

Lewis County
Department of Public Works
Engineering Division

**CONTRACT
PROVISIONS AND PLANS
FOR THE:
EAST LEWIS COUNTY
TRANSFER STATION
IMPROVEMENTS**

COUNTY PROJECT NO. RESWEL

July, 2018

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



BOARD OF COUNTY COMMISSIONERS

Edna J. Fund, District No. 1
Robert C. Jackson, District No. 2
Gary Stamper, District No. 3

TABLE OF CONTENTS

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44

TABLE OF CONTENTS	1
AMENDMENTS TO THE STANDARD SPECIFICATIONS.....	1
1-01, DESCRIPTION OF WORK	3
1-01.3 Definitions	4
1-02, BID PROCEDURES AND CONDITIONS.....	5
1-02.1 Prequalification of Bidders.....	5
1-02.2 Plans and Specifications	6
1-02.6 Preparation Of Proposal	6
1-02.12 Public Opening Of Proposal.....	6
Date and Time of Bid Opening.....	6
1-02.13 Irregular Proposals	6
1-02.14 Disqualification of Bidders	7
1-02.15 Pre Award Information.....	10
1-03, AWARD AND EXECUTION OF CONTRACT	11
1-03.3 Execution of Contract	11
1-03.4 Contract Bond.....	11
1-05, CONTROL OF WORK.....	12
1-05.7 Removal Of Defective And unauthorized Work	12
1-05.13 Superintendents, Labor and Equipment of Contractor.....	13
1-05.15 Method of Serving Notices	13
1-07, LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC	13
1-07.2 State Taxes	13
1-07.2 State Sales Tax	13
1-07.2(1) State Sales Tax — Rule 171	14
1-07.2(2) State Sales Tax — Rule 170	14
1-07.2(3) Services	14
1-07.7 Load Limits	14
1-07.9 Wages.....	14
1-07.11 Requirements For Nondiscrimination.....	15
1-07.18 Public Liability and Property Damage Insurance.....	22
1-07.18 Insurance.....	22
1-07.18(1) General Requirements.....	22
1-07.18(2) Additional Insured	23
1-07.18(3) Subcontractors.....	23
1-07.18(4) Verification of Coverage.....	24
1-07.18(5) Coverages and Limits	24
1-07.18(5)A Commercial General Liability	24
1-07.18(5)B Automobile Liability	25
1-07.18(5)C Workers' Compensation.....	25
1-08, PROSECUTION AND PROGRESS	25
1-08.0 Preliminary Matters.....	25
1-08.0(1) Preconstruction Conference.....	25

1	1-08.0(2) Hours of Work	26
2	1-08.1 Subcontracting	26
3	1-08.1(1) Subcontract Completion and Return of Retainage Withheld.....	27
4	1-08.3(2)A Type A Progress Schedule	28
5	Contractor’s Weekly Activities.....	28
6	1-08.4 Prosecution of Work.....	29
7	1-08.4 Notice to Proceed and Prosecution of Work	29
8	1-08.5 Time for Completion	29
9	1-09, MEASUREMENT AND PAYMENT.....	30
10	1-09.9 Payments.....	30
11	1-09.9(1) Retainage.....	31
12	1-09.11 Disputes and Claims	31
13	1-09.11(3) Time Limitation and Jurisdiction.....	31
14	1-09.13 Claims Resolution	32
15	1-09.13(3) Claims \$250,000 or Less.....	32
16	1-09.13(3)A Administration of Arbitration	32
17	1-09.13(4) Claims in Excess of \$250,000.....	32
18	SECTION 03 05 05.....	37
19	PART 2 - PRODUCTS - (NOT APPLICABLE TO THIS	
20	SPECIFICATION SECTION).....	39
21	PART 3 - EXECUTION	39
22	END OF SECTION.....	43
23	SECTION 03 09 00.....	43
24	PART 2 - PRODUCTS	46
25	PART 3 - EXECUTION	49
26	END OF SECTION.....	52
27	SECTION 03 15 19.....	52
28	PART 2 - PRODUCTS.....	54
29	PART 3 - EXECUTION	55
30	END OF SECTION.....	56
31	SECTION 05 50 00.....	56
32	PART 2 - PRODUCTS	58
33	PART 3 - EXECUTION	59
34	END OF SECTION.....	61
35	6-03, STEEL STRUCTURES	61

1	6-03.1	Description	61
2	6-03.3	Construction Requirements.....	61
3	6-03.4	Measurement.....	62
4	6-03.5	Payment.....	62
5	POWER EQUIPMENT		62
6	E-VERIFY		63
7	BOND		63
8	LEWIS COUNTY ESTIMATES AND PAYMENT POLICY		63
9	APPENDICES		64
10	APPENDIX A		65
11	WASHINGTON STATE PREVAILING WAGE RATES		65
12	APPENDIX B		67
13	BID PROPOSAL DOCUMENTS		67
14	APPENDIX C		77
15	CONTRACT DOCUMENTS		77
16	<i>CONTRACT BOND FOR</i> <i>Bond No.</i>		81
17	<i>POWER EQUIPMENT LIST</i>		83
18	APPENDIX D		85
19	CONTRACT PLANS		85
20			
21			
22			

1 **INTRODUCTION**

2 The following Amendments and Special Provisions shall be used in conjunction with the 2018 Standard
3 Specifications for Road, Bridge, and Municipal Construction.
4

5 **AMENDMENTS TO THE STANDARD SPECIFICATIONS**

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

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

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

15 April 2, 2018

16 **1-07.9(2) Posting Notices**

17 The second sentence of the first paragraph (up until the colon) is revised to read:

18 The Contractor shall ensure the most current edition of the following are posted:

19
20 In items 1 through 10, the revision dates are deleted.
21
22

23 **1-07.11(2) Contractual Requirements**

24 In this section, “creed” is revised to read “religion”.

25
26 Item numbers 1 through 9 are revised to read 2 through 10, respectively.
27

28 After the preceding Amendment is applied, the following new item number 1 is inserted:
29

- 30 1. The Contractor shall maintain a Work site that is free of harassment, humiliation, fear, hostility
31 and intimidation at all times. Behaviors that violate this requirement include but are not limited
32 to:
33
- 34 a. Persistent conduct that is offensive and unwelcome.
 - 35 b. Conduct that is considered to be hazing.
 - 36 c. Jokes about race, gender, or sexuality that are offensive.
 - 37 d. Unwelcome, unwanted, rude or offensive conduct or advances of a sexual nature which
38 interferes with a person’s ability to perform their job or creates an intimidating, hostile, or
39 offensive work environment.
40
41
42
43

- e. Language or conduct that is offensive, threatening, intimidating or hostile based on race, gender, or sexual orientation.
- f. Repeating rumors about individuals in the Work Site that are considered to be harassing or harmful to the individual's reputation.

1-07.11(5) Sanctions

This section is supplemented with the following:

Immediately upon the Engineer's request, the Contractor shall remove from the Work site any employee engaging in behaviors that promote harassment, humiliation, fear or intimidation including but not limited to those described in these specifications.

1-07.11(6) Incorporation of Provisions

The first sentence is revised to read:

The Contractor shall include the provisions of Section 1-07.11(2) Contractual Requirements (1) through (5) and the Section 1-07.11(5) Sanctions in every subcontract including procurement of materials and leases of equipment.

1-07.18 Public Liability and Property Damage Insurance

Item number 1 is supplemented with the following new sentence:

This policy shall be kept in force from the execution date of the Contract until the Physical Completion Date.

1 **INTRODUCTION**

2
3 The following Special Provisions are made a part of this contract and supersede any conflicting
4 provisions of the 2018 Standard Specifications for Road, Bridge, and Municipal Construction, and the
5 foregoing Amendments to the Standard Specifications.

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

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

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

19
20
21 **General Special Provisions** are similar to Standard Specifications in that they typically apply to many
22 projects, usually in more than one Region. Usually, the only difference from one project to another is
23 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
28 The following paragraph pertaining to the Standard Specifications shall obtain and be made a part of
29 this contract:

30
31 Wherever the word “State” or “Contracting Agency” is used it shall mean Lewis County; that
32 wherever the words “Secretary (Secretary of Transportation)” are used they shall mean Lewis
33 County Engineer; that wherever the words “State Treasurer” are used they shall mean Lewis
34 County Treasurer; that wherever the words “State Auditor” are used they shall mean Lewis
35 County Auditor; that wherever the words “Motor Vehicle Fund” are used they shall mean Lewis
36 County Road Fund.

37
38 **SPECIAL PROVISIONS**

39 **DIVISION 1**
40 **GENERAL REQUIREMENTS**

41
42 **1-01, DESCRIPTION OF WORK**

43 (March 13, 1995)

44
45 This contract provides for the improvement of the *** East Lewis County Transfer Station for repair of the
46 waste chutes, by demolishing portions, and replacing with new metal fabrication, epoxy grout, brush
47 skirting system *** and other related work, all in accordance with the attached Contract Plans, these
48 Contract Provisions, and the Standard Specifications.

1
2 **1-01.3 Definitions**
3 *(January 4, 2016 APWA GSP)*

4
5 Delete the heading **Completion Dates** and the three paragraphs that follow it, and replace them with
6 the following:

7
8 **Dates**

9 ***Bid Opening Date***

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

11 ***Award Date***

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

14 ***Contract Execution Date***

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

16 ***Notice to Proceed Date***

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

18 ***Substantial Completion Date***

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

24 ***Physical Completion Date***

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

28 ***Completion Date***

29 The day all the Work specified in the Contract is completed and all the obligations of the
30 Contractor under the contract are fulfilled by the Contractor. All documentation required by the
31 Contract and required by law must be furnished by the Contractor before establishment of this
32 date.

33 ***Final Acceptance Date***

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

35
36 Supplement this Section with the following:

37
38 All references in the Standard Specifications, Amendments, or WSDOT General Special Provisions,
39 to the terms "Department of Transportation", "Washington State Transportation Commission",
40 "Commission", "Secretary of Transportation", "Secretary", "Headquarters", and "State Treasurer"
41 shall be revised to read "Contracting Agency".

42
43 All references to the terms "State" or "state" shall be revised to read "Contracting Agency" unless
44 the reference is to an administrative agency of the State of Washington, a State statute or
45 regulation, or the context reasonably indicates otherwise.

46
47 All references to "State Materials Laboratory" shall be revised to read "Contracting Agency
48 designated location".
49

1 All references to “final contract voucher certification” shall be interpreted to mean the Contracting
2 Agency form(s) by which final payment is authorized, and final completion and acceptance granted.

3
4 **Additive**

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

7
8 **Alternate**

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

12
13 **Business Day**

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

15
16 **Contract Bond**

17 The definition in the Standard Specifications for “Contract Bond” applies to whatever bond form(s)
18 are required by the Contract Documents, which may be a combination of a Payment Bond and a
19 Performance Bond.

20
21 **Contract Documents**

22 See definition for “Contract”.

23
24 **Contract Time**

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

27
28 **Notice of Award**

29 The written notice from the Contracting Agency to the successful Bidder signifying the Contracting
30 Agency’s acceptance of the Bid Proposal.

31
32 **Notice to Proceed**

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

36
37 **Traffic**

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

40
41 **1-02, BID PROCEDURES AND CONDITIONS**

42
43 **1-02.1 Prequalification of Bidders**

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

46
47 **1-02.1 Qualifications of Bidder**
48 *(January 24, 2011 APWA GSP)*

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

4 **1-02.2 Plans and Specifications**

5 (*****)

6
7
8 The first paragraph of section 1-02.2 is revised to read:

9
10 Copies of the plans and specifications are on file in the office of:

11
12 Lewis County Public Works Department
13 2025 N.E. Kresky Avenue
14 Chehalis, Washington 98532
15 (360) 740-2612

16
17 The second paragraph of section 1-02.2 is revised to read:

18
19 Prospective bidders may obtain plans and specifications from Lewis County Public
20 Works Department in Chehalis, Washington or download from Lewis County Website at
21 www.lewiscountywa.gov.

22 **1-02.6 Preparation Of Proposal**

23
24 (August 2, 2004)

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

26 27 **1-02.12 Public Opening Of Proposal**

28 (*****)

29
30 Section 1-02.12 is supplemented with the following:

31 32 **Date and Time of Bid Opening**

33 The Board of County Commissioners of Lewis County or designee, will open sealed proposals and
34 publicly read them aloud on or after 11:00 a.m. on **July 31, 2018**, at the Lewis County Courthouse,
35 Chehalis, Washington, for the East Lewis County Transfer Station Improvements, County Project
36 No. RESWEL.

37 38 **SEALED BIDS MUST BE DELIVERED BY OR BEFORE** 39 **11:00 A.M. on Tuesday, July 31, 2018**

40 (Lewis County official time is displayed on Axxess Intertel phones in the office of the Board of County Commissioners.
41 **Bids submitted after 11:00 AM will not be considered for this project.**)

42 43 **Delivery and Marking of Sealed Bid Proposals**

44 Sealed proposals must be delivered to the Clerk of the Board of Lewis County Commissioners
45 (351 N.W. North Street, Room 210, CMS-01, Chehalis, Washington 98532) by or before **11:00**
46 **a.m.** on the date specified for opening, and in an envelope clearly marked: ***“SEALED BID FOR***
47 ***THE EAST LEWIS COUNTY TRANSFER STATION IMPROVEMENTS, COUNTY PROJECT NO.***
48 ***RESWEL, TO BE OPENED ON OR AFTER 11:00 A.M. ON JULY 31, 2018”.***

49 50 **1-02.13 Irregular Proposals**

1 (June 20, 2017 APWA GSP)

2
3 Delete this section and replace it with the following:

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

40
41 **1-02.14 Disqualification of Bidders**

42 (July 31, 2017 APWA GSP, Option B)

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

45
46 A Bidder will be deemed not responsible if the Bidder does not meet the mandatory bidder

47 responsibility criteria in RCW 39.04.350(1), as amended; or does not meet Supplemental Criteria

48 1-7 listed in this Section.

49
50 The Contracting Agency will verify that the Bidder meets the mandatory bidder responsibility

51 criteria in RCW 39.04.350(1), and Supplemental Criteria 1-2. Evidence that the Bidder meets

52 Supplemental Criteria 3-7 shall be provided by the Bidder as stated later in this Section.

1
2 In addition, the Bidder shall submit to the Contracting Agency a signed “Certification of
3 Compliance with Wage Payment Statutes” document where the Bidder under penalty of perjury
4 verifies that the Bidder is in compliance with responsible bidder criteria in RCW 39.04.350
5 subsection (1)(g). A form appropriate for “Certification of Compliance with Wage Payment
6 Statutes” will be provided by the Contracting Agency in the Bid Documents. The form provided in
7 the Bid Documents shall be submitted with the Bid as stated in Section 1-02.9.
8

9 **1. Delinquent State Taxes**

- 10
11 A Criterion: The Bidder shall not owe delinquent taxes to the Washington State
12 Department of Revenue without a payment plan approved by the Department of
13 Revenue.
14
15 B. Documentation: The Bidder shall not be listed on the Washington State Department of
16 Revenue’s “Delinquent Taxpayer List” website:
17 <http://dor.wa.gov/content/fileandpaytaxes/latefiling/dtlwest.aspx> , or if they are so listed,
18 they must submit a written payment plan approved by the Department of Revenue, to
19 the Contracting Agency by the deadline listed below.
20

21 **2. Federal Debarment**

- 22
23 A Criterion: The Bidder shall not currently be debarred or suspended by the Federal
24 government.
25
26 B. Documentation: The Bidder shall not be listed as having an “active exclusion” on the
27 U.S. government’s “System for Award Management” database (www.sam.gov).
28

29 **3. Subcontractor Responsibility**

- 30
31 A Criterion: The Bidder’s standard subcontract form shall include the subcontractor
32 responsibility language required by RCW 39.06.020, and the Bidder shall have an
33 established procedure which it utilizes to validate the responsibility of each of its
34 subcontractors. The Bidder’s subcontract form shall also include a requirement that
35 each of its subcontractors shall have and document a similar procedure to determine
36 whether the sub-tier subcontractors with whom it contracts are also “responsible”
37 subcontractors as defined by RCW 39.06.020.
38
39 B. Documentation: The Bidder, if and when required as detailed below, shall submit a copy
40 of its standard subcontract form for review by the Contracting Agency, and a written
41 description of its procedure for validating the responsibility of subcontractors with which
42 it contracts.
43

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

- 45
46 A Criterion: The Bidder shall not have a record of excessive claims filed against the
47 retainage or payment bonds for public works projects in the three years prior to the bid
48 submittal date, that demonstrate a lack of effective management by the Bidder of making
49 timely and appropriate payments to its subcontractors, suppliers, and workers, unless
50 there are extenuating circumstances and such circumstances are deemed acceptable to
51 the Contracting Agency.
52

1 B. Documentation: The Bidder, if and when required as detailed below, shall submit a list of
2 the public works projects completed in the three years prior to the bid submittal date that
3 have had claims against retainage and bonds and include for each project the following
4 information:

- 5 • Name of project
- 6 • The owner and contact information for the owner;
- 7 • A list of claims filed against the retainage and/or payment bond for any of the
- 8 projects listed;
- 9 • A written explanation of the circumstances surrounding each claim and the ultimate
- 10 resolution of the claim.

11
12
13 **5. Public Bidding Crime**

14
15 A. Criterion: The Bidder and/or its owners shall not have been convicted of a crime
16 involving bidding on a public works contract in the five years prior to the bid submittal
17 date.

18
19 B. Documentation: The Bidder, if and when required as detailed below, shall sign a
20 statement (on a form to be provided by the Contracting Agency) that the Bidder and/or
21 its owners have not been convicted of a crime involving bidding on a public works
22 contract.

23
24 **6. Termination for Cause / Termination for Default**

25
26 A. Criterion: The Bidder shall not have had any public works contract terminated for cause
27 or terminated for default by a government agency in the five years prior to the bid
28 submittal date, unless there are extenuating circumstances and such circumstances are
29 deemed acceptable to the Contracting Agency.

30
31 B. Documentation: The Bidder, if and when required as detailed below, shall sign a
32 statement (on a form to be provided by the Contracting Agency) that the Bidder has not
33 had any public works contract terminated for cause or terminated for default by a
34 government agency in the five years prior to the bid submittal date; or if Bidder was
35 terminated, describe the circumstances. .

36
37 **7. Lawsuits**

38
39 A. Criterion: The Bidder shall not have lawsuits with judgments entered against the Bidder
40 in the five years prior to the bid submittal date that demonstrate a pattern of failing to
41 meet the terms of contracts, unless there are extenuating circumstances and such
42 circumstances are deemed acceptable to the Contracting Agency

43
44 B. Documentation: The Bidder, if and when required as detailed below, shall sign a
45 statement (on a form to be provided by the Contracting Agency) that the Bidder has not
46 had any lawsuits with judgments entered against the Bidder in the five years prior to the
47 bid submittal date that demonstrate a pattern of failing to meet the terms of contracts, or
48 shall submit a list of all lawsuits with judgments entered against the Bidder in the five
49 years prior to the bid submittal date, along with a written explanation of the
50 circumstances surrounding each such lawsuit. The Contracting Agency shall evaluate
51 these explanations to determine whether the lawsuits demonstrate a pattern of failing to
52 meet of terms of construction related contracts

1
2 As evidence that the Bidder meets Supplemental Criteria 3-7 stated above, the apparent low
3 Bidder must submit to the Contracting Agency by 12:00 P.M. (noon) of the second business day
4 following the bid submittal deadline, a written statement verifying that the Bidder meets
5 supplemental criteria 3-7 together with supporting documentation (sufficient in the sole judgment
6 of the Contracting Agency) demonstrating compliance with Supplemental Criteria 3-7. The
7 Contracting Agency reserves the right to request further documentation as needed from the low
8 Bidder and documentation from other Bidders as well to assess Bidder responsibility and
9 compliance with all bidder responsibility criteria. The Contracting Agency also reserves the right
10 to obtain information from third-parties and independent sources of information concerning a
11 Bidder's compliance with the mandatory and supplemental criteria, and to use that information in
12 their evaluation. The Contracting Agency may consider mitigating factors in determining whether
13 the Bidder complies with the requirements of the supplemental criteria.
14

15 The basis for evaluation of Bidder compliance with these mandatory and supplemental criteria
16 shall include any documents or facts obtained by Contracting Agency (whether from the Bidder or
17 third parties) including but not limited to: (i) financial, historical, or operational data from the
18 Bidder; (ii) information obtained directly by the Contracting Agency from others for whom the
19 Bidder has worked, or other public agencies or private enterprises; and (iii) any additional
20 information obtained by the Contracting Agency which is believed to be relevant to the matter.
21

22 If the Contracting Agency determines the Bidder does not meet the bidder responsibility criteria
23 above and is therefore not a responsible Bidder, the Contracting Agency shall notify the Bidder in
24 writing, with the reasons for its determination. If the Bidder disagrees with this determination, it
25 may appeal the determination within two (2) business days of the Contracting Agency's
26 determination by presenting its appeal and any additional information to the Contracting Agency.
27 The Contracting Agency will consider the appeal and any additional information before issuing its
28 final determination. If the final determination affirms that the Bidder is not responsible, the
29 Contracting Agency will not execute a contract with any other Bidder until at least two business
30 days after the Bidder determined to be not responsible has received the Contracting Agency's
31 final determination.
32

33 Request to Change Supplemental Bidder Responsibility Criteria Prior To Bid: Bidders with
34 concerns about the relevancy or restrictiveness of the Supplemental Bidder Responsibility Criteria
35 may make or submit requests to the Contracting Agency to modify the criteria. Such requests
36 shall be in writing, describe the nature of the concerns, and propose specific modifications to the
37 criteria. Bidders shall submit such requests to the Contracting Agency no later than five (5)
38 business days prior to the bid submittal deadline and address the request to the Project Engineer
39 or such other person designated by the Contracting Agency in the Bid Documents.
40

41 **1-02.15 Pre Award Information** 42 (August 14, 2013 APWA GSP)

43
44 Revise this section to read:
45

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

- 48 1. A complete statement of the origin, composition, and manufacture of any or all materials to be
49 used,
- 50 2. Samples of these materials for quality and fitness tests,

3. A progress schedule (in a form the Contracting Agency requires) showing the order of and time required for the various phases of the work,
4. A breakdown of costs assigned to any bid item,
5. Attendance at a conference with the Engineer or representatives of the Engineer,
6. Obtain, and furnish a copy of, a business license to do business in the city or county where the work is located.
7. Any other information or action taken that is deemed necessary to ensure that the bidder is the lowest responsible bidder.

1-03, AWARD AND EXECUTION OF CONTRACT

1-03.3 Execution of Contract

(October 1, 2005 APWA GSP)

Revise this section to read:

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

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

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

If the bidder experiences circumstances beyond their control that prevents return of the contract documents within the calendar days after the award date stated above, the Contracting Agency may grant up to a maximum of 5 additional calendar days for return of the documents, provided the Contracting Agency deems the circumstances warrant it.

1-03.4 Contract Bond

(July 23, 2015 APWA GSP)

Delete the first paragraph and replace it with the following:

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

1. Be on Contracting Agency-furnished form(s);
2. Be signed by an approved surety (or sureties) that:
 - a. Is registered with the Washington State Insurance Commissioner, and

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

1-05, CONTROL OF WORK

(March 13, 1995)

1-05.7 Removal Of Defective And unauthorized Work (October 1, 2005 APWA GSP)

Supplement this section with the following:

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

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

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

1
2 No adjustment in contract time or compensation will be allowed because of the delay in the
3 performance of the work attributable to the exercise of the Contracting Agency's rights provided by
4 this Section.

5
6 The rights exercised under the provisions of this section shall not diminish the Contracting Agency's
7 right to pursue any other avenue for additional remedy or damages with respect to the Contractor's
8 failure to perform the work as required.

9
10 **1-05.13 Superintendents, Labor and Equipment of Contractor**
11 *(August 14, 2013 APWA GSP)*

12 Delete the sixth and seventh paragraphs of this section.

13
14 **1-05.15 Method of Serving Notices**
15 *(March 25, 2009 APWA GSP)*

16 Revise the second paragraph to read:

17
18 All correspondence from the Contractor shall be directed to the Project Engineer. All
19 correspondence from the Contractor constituting any notification, notice of protest, notice of dispute,
20 or other correspondence constituting notification required to be furnished under the Contract, must
21 be in paper format, hand delivered or sent via mail delivery service to the Project Engineer's office.
22 Electronic copies such as e-mails or electronically delivered copies of correspondence will not
23 constitute such notice and will not comply with the requirements of the Contract.
24

25
26 **1-07, LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC**

27
28 **1-07.2 State Taxes**

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

30
31 **1-07.2 State Sales Tax**
32 *(June 27, 2011 APWA GSP)*

33 The Washington State Department of Revenue has issued special rules on the State sales tax.
34 Sections 1-07.2(1) through 1-07.2(3) are meant to clarify those rules. The Contractor should
35 contact the Washington State Department of Revenue for answers to questions in this area. The
36 Contracting Agency will not adjust its payment if the Contractor bases a bid on a misunderstood tax
37 liability.
38

39 The Contractor shall include all Contractor-paid taxes in the unit bid prices or other contract
40 amounts. In some cases, however, state retail sales tax will not be included. Section 1-07.2(2)
41 describes this exception.
42

43 The Contracting Agency will pay the retained percentage (or release the Contract Bond if a FHWA-
44 funded Project) only if the Contractor has obtained from the Washington State Department of
45 Revenue a certificate showing that all contract-related taxes have been paid (RCW 60.28.051).
46 The Contracting Agency may deduct from its payments to the Contractor any amount the
47 Contractor may owe the Washington State Department of Revenue, whether the amount owed
48 relates to this contract or not. Any amount so deducted will be paid into the proper State fund.
49
50
51

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

2
3 WAC 458-20-171, and its related rules, apply to building, repairing, or improving streets, roads, etc.,
4 which are owned by a municipal corporation, or political subdivision of the state, or by the United
5 States, and which are used primarily for foot or vehicular traffic. This includes storm or combined
6 sewer systems within and included as a part of the street or road drainage system and power lines
7 when such are part of the roadway lighting system. For work performed in such cases, the
8 Contractor shall include Washington State Retail Sales Taxes in the various unit bid item prices, or
9 other contract amounts, including those that the Contractor pays on the purchase of the materials,
10 equipment, or supplies used or consumed in doing the work.

11
12 **1-07.2(2) State Sales Tax — Rule 170**

13
14 WAC 458-20-170, and its related rules, apply to the constructing and repairing of new or existing
15 buildings, or other structures, upon real property. This includes, but is not limited to, the
16 construction of streets, roads, highways, etc., owned by the state of Washington; water mains and
17 their appurtenances; sanitary sewers and sewage disposal systems unless such sewers and
18 disposal systems are within, and a part of, a street or road drainage system; telephone, telegraph,
19 electrical power distribution lines, or other conduits or lines in or above streets or roads, unless
20 such power lines become a part of a street or road lighting system; and installing or attaching of any
21 article of tangible personal property in or to real property, whether or not such personal property
22 becomes a part of the realty by virtue of installation.

23
24 For work performed in such cases, the Contractor shall collect from the Contracting Agency, retail
25 sales tax on the full contract price. The Contracting Agency will automatically add this sales tax to
26 each payment to the Contractor. For this reason, the Contractor shall not include the retail sales
27 tax in the unit bid item prices, or in any other contract amount subject to Rule 170, with the following
28 exception.

29
30 Exception: The Contracting Agency will not add in sales tax for a payment the Contractor or a
31 subcontractor makes on the purchase or rental of tools, machinery, equipment, or consumable
32 supplies not integrated into the project. Such sales taxes shall be included in the unit bid item
33 prices or in any other contract amount.

34
35 **1-07.2(3) Services**

36
37 The Contractor shall not collect retail sales tax from the Contracting Agency on any contract wholly
38 for professional or other services (as defined in Washington State Department of Revenue Rules
39 138 and 244).

40
41 **1-07.7 Load Limits**

42 Section 1-07.7 is supplemented with the following:

43
44 (*****)

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

48
49 Any vehicle providing material paid for by the ton, on the project, will provide licensed tonnage for
50 that vehicle.

51
52 **1-07.9 Wages**

1 **General**

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

3
4 (*****)

5 The State rates incorporated in this contract are applicable to all construction activities
6 associated with this contract.

7
8 (April 2, 2007)

9 **Application of Wage Rates for the Occupation of Landscape Construction**

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

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

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

20
21 Laborers with the occupation description, Landscaping or Planting, or

22
23 Power Equipment Operators with the occupation description, Mulch Seeding Operator.

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

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

39
40 **1-07.11 Requirements For Nondiscrimination**

41 Section 1-07.11 is supplemented with the following:

42
43 (August 5, 2013)

44 Requirement for Affirmative Action to Ensure Equal Employment Opportunity (Executive Order
45 11246)

- 46
47 1. The Contractor's attention is called to the Equal Opportunity Clause and the Standard Federal
48 Equal Employment Opportunity Construction Contract Specifications set forth herein.
49

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%

Minorities - by Standard Metropolitan Statistical Area (SMSA)

Spokane, WA:

SMSA Counties:

Spokane, WA	2.8
WA Spokane.	

Non-SMSA Counties	3.0
-------------------	-----

WA Adams; WA Asotin; WA Columbia; WA Ferry; WA Garfield; WA Lincoln, WA Pend Oreille; WA Stevens; WA Whitman.

Richland, WA

SMSA Counties:

Richland Kennewick, WA	5.4
WA Benton; WA Franklin.	

Non-SMSA Counties	3.6
-------------------	-----

WA Walla Walla.

Yakima, WA:

SMSA Counties:

Yakima, WA	9.7
WA Yakima.	

Non-SMSA Counties	7.2
-------------------	-----

WA Chelan; WA Douglas; WA Grant; WA Kittitas; WA Okanogan.

Seattle, WA:

SMSA Counties:

Seattle Everett, WA	7.2
WA King; WA Snohomish.	

Tacoma, WA	6.2
WA Pierce.	

Non-SMSA Counties	6.1
-------------------	-----

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.

Portland, OR:

SMSA Counties:

Portland, OR-WA	4.5
WA Clark.	

Non-SMSA Counties	3.8
-------------------	-----

WA Cowlitz; WA Klickitat; WA Skamania; WA Wahkiakum.

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 Federal,
3 or federally assisted project, contract, or subcontract until further notice. Compliance with
4 these goals and time tables is enforced by the Office of Federal Contract compliance
5 Programs.

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

- 18
19 3. The Contractor shall provide written notification to the Office of Federal Contract Compliance
20 Programs (OFCCP) within 10 working days of award of any construction subcontract in
21 excess of \$10,000 or more that are Federally funded, at any tier for construction work under
22 the contract resulting from this solicitation. The notification shall list the name, address and
23 telephone number of the Subcontractor; employer identification number of the Subcontractor;
24 estimated dollar amount of the subcontract; estimated starting and completion dates of the
25 subcontract; and the geographical area in which the contract is to be performed. The
26 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 Additional information may be found at the U.S. Department of Labor website:
37 <http://www.dol.gov/ofccp/TAguides/ctaguide.htm>

- 38
39 4. As used in this Notice, and in the contract resulting from this solicitation, the Covered Area is
40 as designated herein.

41
42 Standard Federal Equal Employment Opportunity Construction Contract Specifications (Executive
43 Order 11246)

- 44
45 1. As used in these specifications:
- 46 a. Covered Area means the geographical area described in the solicitation from which
47 this contract resulted;
 - 48 b. Director means Director, Office of Federal Contract Compliance Programs, United
49 States Department of Labor, or any person to whom the Director delegates authority;
- 50
51
52

1 c. Employer Identification Number means the Federal Social Security number used on
2 the Employer's Quarterly Federal Tax Return, U. S. Treasury Department Form 941;

3
4 d. Minority includes:

- 5
6 (1) Black, a person having origins in any of the Black Racial Groups of Africa.
7
8 (2) Hispanic, a fluent Spanish speaking, Spanish surnamed person of Mexican,
9 Puerto Rican, Cuban, Central American, South American, or other Spanish
10 origin.
11
12 (3) Asian or Pacific Islander, a person having origins in any of the original
13 peoples of the Pacific rim or the Pacific Islands, the Hawaiian Islands and
14 Samoa.
15
16 (4) American Indian or Alaskan Native, a person having origins in any of the
17 original peoples of North America, and who maintain cultural identification
18 through tribal affiliation or community recognition.
19

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

1 women shall excuse the Contractor's obligations under these specifications, Executive Order
2 11246, or the regulations promulgated pursuant thereto.

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

1 meeting its EEO obligations; by including it in any policy manual and collective
2 bargaining agreement; by publicizing it in the company newspaper, annual report,
3 etc.; by specific review of the policy with all management personnel and with all
4 minority and female employees at least once a year; and by posting the company
5 EEO policy on bulletin boards accessible to all employees at each location where
6 construction work is performed.

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

- 1 o. Document and maintain a record of all solicitations of offers for subcontracts from
2 minority and female construction contractors and suppliers, including circulation of
3 solicitations to minority and female contractor associations and other business
4 associations.
- 5
- 6 p. Conduct a review, at least annually, of all supervisors' adherence to and
7 performance under the Contractor's EEO policies and affirmative action obligations.
- 8
- 9 8. Contractors are encouraged to participate in voluntary associations which assist in fulfilling
10 one or more of their affirmative action obligations (7a through 7p). The efforts of a contractor
11 association, joint contractor-union, contractor-community, or other similar group of which the
12 Contractor is a member and participant, may be asserted as fulfilling any one or more of the
13 obligations under 7a through 7p of this Special Provision provided that the Contractor actively
14 participates in the group, makes every effort to assure that the group has a positive impact on
15 the employment of minorities and women in the industry, ensure that the concrete benefits of
16 the program are reflected in the Contractor's minority and female work-force participation,
17 makes a good faith effort to meet its individual goals and timetables, and can provide access
18 to documentation which demonstrate the effectiveness of actions taken on behalf of the
19 Contractor. The obligation to comply, however, is the Contractor's and failure of such a group
20 to fulfill an obligation shall not be a defense for the Contractor's noncompliance.
- 21
- 22 9. A single goal for minorities and a separate single goal for women have been established. The
23 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 minority
25 and non-minority. Consequently, the Contractor may be in violation of the Executive Order if a
26 particular group is employed in substantially disparate manner (for example, even though the
27 Contractor has achieved its goals for women generally, the Contractor may be in violation of
28 the Executive Order if a specific minority group of women is underutilized).
- 29
- 30 10. The Contractor shall not use the goals and timetables or affirmative action standards to
31 discriminate against any person because of race, color, religion, sex, or national origin.
- 32
- 33 11. The Contractor shall not enter into any subcontract with any person or firm debarred from
34 Government contracts pursuant to Executive Order 11246.
- 35
- 36 12. The Contractor shall carry out such sanctions and penalties for violation of these
37 specifications and of the Equal Opportunity Clause, including suspensions, terminations and
38 cancellations of existing subcontracts as may be imposed or ordered pursuant to Executive
39 Order 11246, as amended, and its implementing regulations by the Office of Federal Contract
40 Compliance Programs. Any Contractor who fails to carry out such sanctions and penalties
41 shall be in violation of these specifications and Executive Order 11246, as amended.
- 42
- 43 13. The Contractor, in fulfilling its obligations under these specifications, shall implement specific
44 affirmative action steps, at least as extensive as those standards prescribed in paragraph 7 of
45 this Special Provision, so as to achieve maximum results from its efforts to ensure equal
46 employment opportunity. If the Contractor fails to comply with the requirements of the
47 Executive Order, the implementing regulations, or these specifications, the Director shall
48 proceed in accordance with 41 CFR 60-4.8.
- 49
- 50 14. The Contractor shall designate a responsible official to monitor all employment related activity
51 to ensure that the company EEO policy is being carried out, to submit reports relating to the
52 provisions hereof as may be required by the government and to keep records. Records shall

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

8
9 15. Nothing herein provided shall be construed as a limitation upon the application of other laws
10 which establish different standards of compliance or upon the application of requirements for
11 the hiring of local or other area residents (e.g., those under the Public Works Employment Act
12 of 1977 and the Community Development Block Grant Program).

13
14 16. Additional assistance for Federal Construction Contractors on contracts administered by
15 Washington State Department of Transportation or by Local Agencies may be found at:

16
17 Washington State Dept. of Transportation
18 Office of Equal Opportunity
19 PO Box 47314
20 310 Maple Park Ave. SE
21 Olympia WA
22 98504-7314
23 Ph: 360-705-7090
24 Fax: 360-705-6801
25 <http://www.wsdot.wa.gov/equalopportunity/default.htm>

26
27 **1-07.18 Public Liability and Property Damage Insurance**

28
29 Delete this section in its entirety, and replace it with the following:

30
31 **1-07.18 Insurance**

32 *(January 4, 2016 APWA GSP)*

33
34 **1-07.18(1) General Requirements**

- 35 A. The Contractor shall procure and maintain the insurance described in all subsections of section 1-
36 07.18 of these Special Provisions, from insurers with a current A. M. Best rating of not less than A-:
37 VII and licensed to do business in the State of Washington. The Contracting Agency reserves the
38 right to approve or reject the insurance provided, based on the insurer's financial condition.
- 39
40 B. The Contractor shall keep this insurance in force without interruption from the commencement of
41 the Contractor's Work through the term of the Contract and for thirty (30) days after the Physical
42 Completion date, unless otherwise indicated below.
- 43
44 C. If any insurance policy is written on a claims made form, its retroactive date, and that of all
45 subsequent renewals, shall be no later than the effective date of this Contract. The policy shall
46 state that coverage is claims made, and state the retroactive date. Claims-made form coverage
47 shall be maintained by the Contractor for a minimum of 36 months following the Completion Date or
48 earlier termination of this Contract, and the Contractor shall annually provide the Contracting
49 Agency with proof of renewal. If renewal of the claims made form of coverage becomes
50 unavailable, or economically prohibitive, the Contractor shall purchase an extended reporting period
51 ("tail") or execute another form of guarantee acceptable to the Contracting Agency to assure
52 financial responsibility for liability for services performed.

- 1
2 D. The Contractor's Automobile Liability, Commercial General Liability and Excess or Umbrella Liability
3 insurance policies shall be primary and non-contributory insurance as respects the Contracting
4 Agency's insurance, self-insurance, or self-insured pool coverage. Any insurance, self-insurance, or
5 self-insured pool coverage maintained by the Contracting Agency shall be excess of the Contractor's
6 insurance and shall not contribute with it.
7
8 E. The Contractor shall provide the Contracting Agency and all additional insureds with written notice of
9 any policy cancellation, within two business days of their receipt of such notice.
10
11 G. The Contractor shall not begin work under the Contract until the required insurance has been
12 obtained and approved by the Contracting Agency
13
14 H. Failure on the part of the Contractor to maintain the insurance as required shall constitute a material
15 breach of contract, upon which the Contracting Agency may, after giving five business days' notice
16 to the Contractor to correct the breach, immediately terminate the Contract or, at its discretion,
17 procure or renew such insurance and pay any and all premiums in connection therewith, with any
18 sums so expended to be repaid to the Contracting Agency on demand, or at the sole discretion of
19 the Contracting Agency, offset against funds due the Contractor from the Contracting Agency.
20
21 I. All costs for insurance shall be incidental to and included in the unit or lump sum prices of the
22 Contract and no additional payment will be made.

23
24 **1-07.18(2) Additional Insured**

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

- 28 ■ the Contracting Agency and its officers, elected officials, employees, agents, and volunteers
29

30 The above-listed entities shall be additional insured(s) for the full available limits of liability
31 maintained by the Contractor, irrespective of whether such limits maintained by the Contractor are
32 greater than those required by this Contract, and irrespective of whether the Certificate of
33 Insurance provided by the Contractor pursuant to 1-07.18(4) describes limits lower than those
34 maintained by the Contractor.
35

36 For Commercial General Liability insurance coverage, the required additional insured
37 endorsements shall be at least as broad as ISO forms CG 20 10 10 01 for ongoing operations and
38 CG 20 37 10 01 for completed operations.
39

40 **1-07.18(3) Subcontractors**

41 The Contractor shall cause each Subcontractor of every tier to provide insurance coverage that
42 complies with all applicable requirements of the Contractor-provided insurance as set forth herein,
43 except the Contractor shall have sole responsibility for determining the limits of coverage required
44 to be obtained by Subcontractors.
45

46 The Contractor shall ensure that all Subcontractors of every tier add all entities listed in 1-07.18(2)
47 as additional insureds, and provide proof of such on the policies as required by that section as
48 detailed in 1-07.18(2) using an endorsement as least as broad as ISO CG 20 10 10 01 for ongoing
49 operations and CG 20 37 10 01 for completed operations.
50

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

4
5 **1-07.18(4) Verification of Coverage**

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

12
13 Verification of coverage shall include:

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

21
22 Upon request by the Contracting Agency, the Contractor shall forward to the Contracting Agency a
23 full and certified copy of the insurance policy(s). If Builders Risk insurance is required on this
24 Project, a full and certified copy of that policy is required when the Contractor delivers the signed
25 Contract for the work.

26
27 **1-07.18(5) Coverages and Limits**

28 The insurance shall provide the minimum coverages and limits set forth below. Contractor's
29 maintenance of insurance, its scope of coverage, and limits as required herein shall not be
30 construed to limit the liability of the Contractor to the coverage provided by such insurance, or
31 otherwise limit the Contracting Agency's recourse to any remedy available at law or in equity.

32
33 All deductibles and self-insured retentions must be disclosed and are subject to approval by the
34 Contracting Agency. The cost of any claim payments falling within the deductible or self-insured
35 retention shall be the responsibility of the Contractor. In the event an additional insured incurs a
36 liability subject to any policy's deductibles or self-insured retention, said deductibles or self-insured
37 retention shall be the responsibility of the Contractor.

38
39 **1-07.18(5)A Commercial General Liability**

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

45
46 The Commercial General Liability insurance shall be endorsed to provide a per project general
47 aggregate limit, using ISO form CG 25 03 05 09 or an equivalent endorsement.

48
49 Contractor shall maintain Commercial General Liability Insurance arising out of the Contractor's
50 completed operations for at least three years following Substantial Completion of the Work.

1
2 Such policy must provide the following minimum limits:

- 3 \$1,000,000 Each Occurrence
- 4 \$2,000,000 General Aggregate
- 5 \$2,000,000 Products & Completed Operations Aggregate
- 6 \$1,000,000 Personal & Advertising Injury each offence
- 7 \$1,000,000 Stop Gap / Employers' Liability each accident

8
9 **1-07.18(5)B Automobile Liability**

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

13
14 Such policy must provide the following minimum limit:

- 15 \$1,000,000 Combined single limit each accident

16
17 **1-07.18(5)C Workers' Compensation**

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

20
21 **1-08, PROSECUTION AND PROGRESS**

22
23 **1-08.0 Preliminary Matters**

24 (May 25, 2006 APWA GSP)

25
26 Add the following new section:

27
28 **1-08.0(1) Preconstruction Conference**

29 (October 10, 2008 APWA GSP)

30
31 Prior to the Contractor beginning the work, a preconstruction conference will be held between the
32 Contractor, the Engineer and such other interested parties as may be invited. The purpose of the
33 preconstruction conference will be:

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

42
43 The Contractor shall prepare and submit at the preconstruction conference the following:

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

1 Add the following new section:
2

3 **1-08.0(2) Hours of Work**
4 *(December 8, 2014 APWA GSP)*
5

6 Except in the case of emergency or unless otherwise approved by the Engineer, the normal working
7 hours for the Contract shall be any consecutive 8-hour period between 7:00 a.m. and 6:00 p.m.
8 Monday through Friday, exclusive of a lunch break. If the Contractor desires different than the
9 normal working hours stated above, the request must be submitted in writing prior to the
10 preconstruction conference, subject to the provisions below. The working hours for the Contract
11 shall be established at or prior to the preconstruction conference.
12

13 All working hours and days are also subject to local permit and ordinance conditions (such as noise
14 ordinances).
15

16 If the Contractor wishes to deviate from the established working hours, the Contractor shall submit a
17 written request to the Engineer for consideration. This request shall state what hours are being
18 requested, and why. Requests shall be submitted for review no later than 3 working days prior to the
19 day(s) the Contractor is requesting to change the hours.
20

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

- 23 1. On non-Federal aid projects, requiring the Contractor to reimburse the Contracting Agency
24 for the costs in excess of straight-time costs for Contracting Agency representatives who
25 worked during such times. (The Engineer may require designated representatives to be
26 present during the work. Representatives who may be deemed necessary by the Engineer
27 include, but are not limited to: survey crews; personnel from the Contracting Agency's
28 material testing lab; inspectors; and other Contracting Agency employees or third party
29 consultants when, in the opinion of the Engineer, such work necessitates their presence.)
- 30 2. Considering the work performed on Saturdays, Sundays, and holidays as working days with
31 regard to the contract time.
- 32 3. Considering multiple work shifts as multiple working days with respect to contract time even
33 though the multiple shifts occur in a single 24-hour period.
- 34 4. If a 4-10 work schedule is requested and approved the non-working day for the week will be
35 charged as a working day.
- 36 5. If Davis Bacon wage rates apply to this Contract, all requirements must be met and recorded
37 properly on certified payroll
38

39 **1-08.1 Subcontracting**
40 *(February 16, 2018 APWA GSP)*
41

42 The eighth and ninth paragraphs are revised to read:
43

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

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

3
4 The Contractor shall comply with the requirements of RCW 39.04.250, 39.76.011, 39.76.020, and
5 39.76.040, in particular regarding prompt payment to Subcontractors. Whenever the Contractor
6 withholds payment to a Subcontractor for any reason including disputed amounts, the Contractor
7 shall provide notice within 10 calendar days to the Subcontractor with a copy to the Contracting
8 Agency identifying the reason for the withholding and a clear description of what the Subcontractor
9 must do to have the withholding released. Retainage withheld by the Contractor prior to completion
10 of the Subcontractors work is exempt from reporting as a payment withheld and is not included in the
11 withheld amount. The Contracting Agency's copy of the notice to Subcontractor for deferred payments
12 shall be submitted to the Engineer concurrently with notification to the Subcontractor.

13
14 Section 1-08.1 is supplemented with the following:

15
16 (October 12, 1998)

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

22
23 A Subcontractor or lower tier Subcontractor will not be permitted to perform any work under the
24 contract until the following documents have been completed and submitted to the Engineer:

- 25
26 1. Request to Sublet Work (Form 421-012), and
27 2. Contractor and Subcontractor or Lower Tier Subcontractor Certification for Federal-aid
28 Projects (Form 420-004).

29
30 The Contractor's records pertaining to the requirements of this Special Provision shall be open to
31 inspection or audit by representatives of the Contracting Agency during the life of the contract and
32 for a period of not less than three years after the date of acceptance of the contract. The Contractor
33 shall retain these records for that period. The Contractor shall also guarantee that these records of
34 all Subcontractors and lower tier Subcontractors shall be available and open to similar inspection or
35 audit for the same time period.

36
37 **1-08.1(1) Subcontract Completion and Return of Retainage Withheld**

38 Section 1-08.1(1) is revised to read:

39
40 (June 27, 2011)

41 The following procedures shall apply to all subcontracts entered into as a part of this Contract:

42
43 **Requirements**

- 44 1. The Prime Contractor or Subcontractor shall make payment to the Subcontractor not later
45 than ten (10) days after receipt of payment from the Contracting Agency for work
46 satisfactorily completed by the Subcontractor, to the extent of each Subcontractor's interest
47 therein.
48
49 2. Prompt and full payment of retainage from the Prime Contractor to the Subcontractor shall
50 be made within 30 days after Subcontractor's Work is satisfactorily completed.

- 1 3. For purposes of this Section, a Subcontractor's work is satisfactorily completed when all
2 task and requirements of the Subcontract have been accomplished and including any
3 required documentation and material testing.
4
5 4. Failure by a Prime Contractor or Subcontractor to comply with these requirements may
6 result in one or more of the following:
7
8 a. Withholding of payments until the Prime Contractor or Subcontractor complies
9
10 b. Failure to comply shall be reflected in the Prime Contractor's Performance Evaluation
11
12 c. Cancellation, Termination, or Suspension of the Contract, in whole or in part
13
14 d. Other sanctions as provided by the subcontractor or by law under applicable prompt
15 pay statutes.
16

17 **Conditions**

18 This clause does not create a contractual relationship between the Contracting Agency and any
19 Subcontractor as stated in Section 1-08.1. Also, it is not intended to bestow upon any
20 Subcontractor, the status of a third-party beneficiary to the Contract between the Contracting
21 Agency and the Contractor.
22

23 **Payment**

24 The Contractor will be solely responsible for any additional costs involved in paying retainage
25 to the Subcontractors. Those costs shall be incidental to the respective Bid Items.
26

27 **1-08.3(2)A Type A Progress Schedule** 28 *(March 13, 2012 APWA GSP)*

29
30 Revise this section to read:

31
32 The Contractor shall submit ~~\$\$\$~~ 3 ~~\$\$\$~~ copies of a Type A Progress Schedule no later than one week
33 before the preconstruction conference, or some other mutually agreed upon submittal time. The
34 schedule may be a critical path method (CPM) schedule, bar chart, or other standard schedule
35 format. Regardless of which format used, the schedule shall identify the critical path. The Engineer
36 will evaluate the Type A Progress Schedule and approve or return the schedule for corrections
37 within 15 calendar days of receiving the submittal.
38

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

40 **Contractors Schedule of Work**

41
42 ***The Contractor shall schedule the work so one waste chute shall remain open during working***
43 ***hours at all times.***
44

45 **Contractor's Weekly Activities**

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

47
48 The Contractor shall submit a weekly schedule to the Engineer. The schedule shall indicate the
49 Contractor's proposed activities for the forthcoming week along with the hours of work. This will
50 permit the Engineer to more effectively provide the contract engineering and inspection for the
51 Contractor's operations.
52

1 The written weekly activity schedule shall be submitted to the Engineer or a designated assistant
2 before the end of the last shift on the next to the last working day of the week preceding the indicated
3 activities, or other mutually agreeable time.
4

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

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

14 It shall be sufficiently detailed that a composite history of the project develops. The locations and
15 approximate quantity guardrail and traffic control work shall be reported. Unusual activity, and
16 conditions or events that may affect the course of the project shall also be reported.
17

18 **1-08.4 Prosecution of Work**

19
20 Delete this section and replace it with the following:
21

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

24
25 Notice to Proceed will be given after the contract has been executed and the contract bond and
26 evidence of insurance have been approved and filed by the Contracting Agency. The Contractor
27 shall not commence with the work until the Notice to Proceed has been given by the Engineer. The
28 Contractor shall commence construction activities on the project site within ten days of the Notice to
29 Proceed Date, unless otherwise approved in writing. The Contractor shall diligently pursue the
30 work to the physical completion date within the time specified in the contract. Voluntary shutdown
31 or slowing of operations by the Contractor shall not relieve the Contractor of the responsibility to
32 complete the work within the time(s) specified in the contract.
33

34 When shown in the Plans, the first order of work shall be the installation of high visibility fencing to
35 delineate all areas for protection or restoration, as described in the Contract. Installation of high
36 visibility fencing adjacent to the roadway shall occur after the placement of all necessary signs and
37 traffic control devices in accordance with 1-10.1(2). Upon construction of the fencing, the Contractor
38 shall request the Engineer to inspect the fence. No other work shall be performed on the site until
39 the Contracting Agency has accepted the installation of high visibility fencing, as described in the
40 Contract.
41

42 **1-08.5 Time for Completion** 43 *(September 12, 2016 APWA GSP, Option B)*

44
45 Revise the third and fourth paragraphs to read:
46

47 Contract time shall begin on the first working day following the ~~\$\$14 \$\$~~ calendar day after the
48 Notice to Proceed date. If the Contractor starts work on the project at an earlier date, then
49 contract time shall begin on the first working day when onsite work begins.
50

51 Each working day shall be charged to the contract as it occurs, until the contract work is physically
52 complete. If substantial completion has been granted and all the authorized working days have been

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

13
14 Revise the sixth paragraph to read:

15
16 The Engineer will give the Contractor written notice of the completion date of the contract after all
17 the Contractor's obligations under the contract have been performed by the Contractor. The
18 following events must occur before the Completion Date can be established:

- 19 1. The physical work on the project must be complete; and
- 20 2. The Contractor must furnish all documentation required by the contract and required by law, to
21 allow the Contracting Agency to process final acceptance of the contract. The following
22 documents must be received by the Project Engineer prior to establishing a completion date:
 - 23 a. Certified Payrolls (per Section 1-07.9(5)).
 - 24 b. Material Acceptance Certification Documents
 - 25 c. Monthly Reports of Amounts Credited as DBE Participation, as required by the Contract
26 Provisions.
 - 27 d. Final Contract Voucher Certification
 - 28 e. Copies of the approved "Affidavit of Prevailing Wages Paid" for the Contractor and all
29 Subcontractors
 - 30 f. Property owner releases per Section 1-07.24

31
32 (*****)

33 This project shall be physically completed within *** 50 *** working days.

34 35 **1-09, MEASUREMENT AND PAYMENT**

36 37 **1-09.9 Payments**

38 *(March 13, 2012 APWA GSP)*

39
40 Delete the first four paragraphs and replace them with the following:

41
42 The basis of payment will be the actual quantities of Work performed according to the Contract and
43 as specified for payment.

44
45 The Contractor shall submit a breakdown of the cost of lump sum bid items at the Preconstruction
46 Conference, to enable the Project Engineer to determine the Work performed on a monthly basis.
47 A breakdown is not required for lump sum items that include a basis for incremental payments as

1 part of the respective Specification. Absent a lump sum breakdown, the Project Engineer will make
2 a determination based on information available. The Project Engineer's determination of the cost of
3 work shall be final.
4

5 Progress payments for completed work and material on hand will be based upon progress
6 estimates prepared by the Engineer. A progress estimate cutoff date will be established at the
7 preconstruction conference.
8

9 The initial progress estimate will be made not later than 30 days after the Contractor commences
10 the work, and successive progress estimates will be made every month thereafter until the
11 Completion Date. Progress estimates made during progress of the work are tentative, and made
12 only for the purpose of determining progress payments. The progress estimates are subject to
13 change at any time prior to the calculation of the final payment.
14

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

- 16 1. Unit Price Items in the Bid Form — the approximate quantity of acceptable units of work
17 completed multiplied by the unit price.
- 18 2. Lump Sum Items in the Bid Form — based on the approved Contractor's lump sum
19 breakdown for that item, or absent such a breakdown, based on the Engineer's determination.
- 20 3. Materials on Hand — 100 percent of invoiced cost of material delivered to Job site or other
21 storage area approved by the Engineer.
- 22 4. Change Orders — entitlement for approved extra cost or completed extra work as determined
23 by the Engineer.
24

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

- 26 1. Retainage per Section 1-09.9(1), on non FHWA-funded projects;
- 27 2. The amount of progress payments previously made; and
- 28 3. Funds withheld by the Contracting Agency for disbursement in accordance with the Contract
29 Documents.
30

31 Progress payments for work performed shall not be evidence of acceptable performance or an
32 admission by the Contracting Agency that any work has been satisfactorily completed. The
33 determination of payments under the contract will be final in accordance with Section 1-05.1.
34

35 **1-09.9(1) Retainage**

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

37
38 **Retainage of 5 percent shall be as required by RCW 60.28.011.**
39

40 **1-09.11 Disputes and Claims**

41 **1-09.11(3) Time Limitation and Jurisdiction**

42 *(July 23, 2015 APWA GSP)*
43
44

45 Revise this section to read:

46
47 For the convenience of the parties to the Contract it is mutually agreed by the parties that any
48 claims or causes of action which the Contractor has against the Contracting Agency arising from
49 the Contract shall be brought within 180 calendar days from the date of final acceptance (Section 1-

05.12) of the Contract by the Contracting Agency; and it is further agreed that any such claims or causes of action shall be brought only in the Superior Court of the county where the Contracting Agency headquarters is located, provided that where an action is asserted against a county, RCW 36.01.05 shall control venue and jurisdiction. The parties understand and agree that the Contractor's failure to bring suit within the time period provided, shall be a complete bar to any such claims or causes of action. It is further mutually agreed by the parties that when any claims or causes of action which the Contractor asserts against the Contracting Agency arising from the Contract are filed with the Contracting Agency or initiated in court, the Contractor shall permit the Contracting Agency to have timely access to any records deemed necessary by the Contracting Agency to assist in evaluating the claims or action.

1-09.13 Claims Resolution

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

Delete this Section and replace it with the following:

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

1-09.13(3)A Administration of Arbitration *(July 23, 2015 APWA GSP)*

Revise the third paragraph to read:

The Contracting Agency and the Contractor mutually agree to be bound by the decision of the arbitrator, and judgment upon the award rendered by the arbitrator may be entered in the Superior Court of the county in which the Contracting Agency's headquarters is located, provided that where claims subject to arbitration are asserted against a county, RCW 36.01.05 shall control venue and jurisdiction of the Superior Court. The decision of the arbitrator and the specific basis for the decision shall be in writing. The arbitrator shall use the Contract as a basis for decisions.

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

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

CLAIMS RESOLUTION (*****)

Any dispute arising from the contract shall be processed in accordance with Section 1-04.5 and Sections 1-09.11 through 1-09.13(1) of the Standard Specifications. The provisions of these sections must be complied with in full as a condition precedent to the Contractor's right to seek claims resolution through arbitration or litigation. The Contractor may file with the Engineer a request for binding arbitration; the Engineer's decision regarding that request shall be final and unappealable. Nothing in this paragraph affects or tolls the limitations period as set forth in Section 1-09.11(3) of the Standard Specifications. However, if the Contractor files a lawsuit raising any claim(s) arising from the contract, the parties shall, if the Engineer so directs, submit such claim(s) to binding arbitration, subject to the rights of any party thereto to file with the Lewis County

1 Superior Court motions to dismiss or for summary judgment at any time. In any binding arbitration
2 proceeding, the provisions of subparagraphs (a) and (b) shall apply.

3
4 a) Unless the parties otherwise agree, all disputes subject to arbitration shall be heard in
5 a single arbitration hearing, and then only after completion of the contract. The parties
6 shall be bound by Ch. 7.04 RCW generally, and by the arbitration rules hereafter
7 stated, and shall, for purposes of administration of the arbitration, comply where
8 applicable with the 1994 Lewis County Superior Court Mandatory Arbitration Rules
9 (LMAR) sections 1.1(b), 1.3, 2.3, 3.1, 3.2(a) and (b), 5.1, 5.2 (except as referenced to
10 MAR 5.2), 5.3, 6.1, 6.2 (including the referenced MAR 6.2), and 8.6. There shall be
11 one arbitrator, to be chosen by mutual agreement of the parties from the list provided
12 by the Lewis County Superior Court Administrator. If the parties cannot agree on a
13 person to serve as arbitrator, the matter shall be submitted for appointment of an
14 arbitrator under LMAR 2.3. The arbitrator shall determine the scope and extent of
15 discovery, except that the Contractor shall provide and update the information required
16 by Section 1-09.11(2) of the Standard Specifications. Additionally, each party shall file
17 a statement of proof with the other party and the arbitrator at least 20 calendar days
18 before the scheduled arbitration hearing. The statement of proof shall include:

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

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

1
2

1 **NOTE TO CONTRACTOR:**

2
3 The following Project Specific Special Provisions have been developed by the Consultant.
4 Where there are conflicts between WSDOT Standard Specifications, WSDOT Standard Plans
5 and the requirements of the Contract Documents, the more stringent shall apply.

6
7 Any Consultant Project Specific Special Provisions for request of changes (such as material)
8 shall be done by procedures outlined in the WSDOT Standard Specifications.

9
10 The following Consultant Sections:

11
12 03 05 05; 03 09 00; 03 15 19; and 05 50 00, **do not** reference WSDOT Standard
13 Specifications. All Divisions of WSDOT Standard Specifications shall apply.

14
15 For all other reference material and applicable Specifications and Codes see Sheet S-001 of
16 the Contract Plans.
17

1
2 **SECTION 03 05 05**

3 **CONCRETE TESTING AND INSPECTION**

4
5 **PART 1 - GENERAL**

6 **1.1 SUMMARY**

- 7 A. Section Includes:
- 8 1. Contractor requirements for testing of concrete and grout.
 - 9 2. Definition of Owner provided testing.
 - 10 3. Acceptance criteria for concrete.
- 11 B. Related Specification Sections include but are not necessarily limited to:
- 12 1. Section 03 09 00 – Concrete
 - 13 2. Section 03 15 19 – Concrete Anchorage

14 **1.2 RESPONSIBILITY AND PAYMENT**

- 15 A. Owner will hire an independent Testing Agency/Service Provider to perform the
- 16 following testing and inspection and provide test results to the Engineer and Contractor.
- 17 1. Testing and inspection of concrete and grout produced for incorporation into the
 - 18 work during the construction of the Project for compliance with the Contract
 - 19 Documents.
 - 20 2. Additional testing or retesting of materials occasioned by their failure, by test or
 - 21 inspection, to meet requirements of the Contract Documents.
 - 22 3. Strength testing on concrete required by the Engineer or Special Inspector when the
 - 23 water- cement ratio exceeds the water-cement ratio of the typical test cylinders.
 - 24 4. In-place testing of concrete as may be required by Engineer when strength of
 - 25 structure is considered potentially deficient.
 - 26 5. Other testing services needed or required by Contractor such as field curing of test
 - 27 specimens and testing of additional specimens for determining when forms, form
 - 28 shoring or reshoring may be removed.
 - 29 6. Owner will pay for services defined in Paragraph 1.2A.1.
- 30 B. Contractor shall hire a qualified testing agency to perform the following testing and provide
- 31 test results to the Engineer.
- 32 1. Testing of materials and mixes proposed by the Contractor for compliance with the
 - 33 Contract Documents and retesting in the event of changes.
 - 34 2. Additional testing and inspection required because of changes in materials or
 - 35 proportions requested by Contractor.
 - 36 3. Contractor shall pay for services defined in Paragraphs 1.2B.1. and 1.2B.2.
 - 37 4. Contractor shall reimburse Owner for testing services defined in Paragraphs
 - 38 1.2A.2., 1.2A.3, 1.2A.4. and 1.2A.5.
- 39 C. Duties and Authorities of Testing Agency/Service Provider:
- 40 1. Any Testing Agency/Service Provider or agencies and their representatives retained by
 - 41 Contractor or Owner for any reason are not authorized to revoke, alter, relax, enlarge, or
 - 42 release any requirement of Contract Documents, nor to reject, approve or accept any
 - 43 portion of the Work.
 - 44 2. Testing Agency/Service Provider shall inform the Contractor and Engineer
 - 45 regarding acceptability of or deficiencies in the work including materials furnished
 - 46 and work performed by Contractor that fails to fulfill requirements of the Contract
 - 47 Documents.

3. Testing Agency to submit test reports and inspection reports to Engineer and Contractor immediately after they are performed.
 - a. All test reports to include exact location in the work at which batch represented by a test was deposited.
 - b. Reports of strength tests to include detailed information on storage and curing of specimens prior to testing.
4. Owner retains the responsibility for ultimate rejection or approval of any portion of the Work.

1.3 QUALITY ASSURANCE

A. Referenced Standards:

1. American Concrete Institute (ACI):
 - a. 318, Building Code Requirements for Structural Concrete.
2. ASTM International (ASTM):
 - a. ASTM Cement and Concrete Reference Laboratory (CCRL).
 - b. C31, Standard Practice for Making and Curing Concrete Test Specimens in the Field.
 - c. C39, Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens.
 - d. C94, Standard Specification for Ready-Mixed Concrete.
 - e. C138, Standard Test Method for Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete.
 - f. C143, Standard Test Method for Slump of Hydraulic-Cement Concrete.
 - g. C172, Standard Practice for Sampling Freshly Mixed Concrete.
 - h. C173, Standard Test Method for Air Content of Freshly Mixed Concrete by the Volumetric Method.
 - i. C231, Standard Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method.
 - j. C1218 Standard Test for Water-Soluble Chloride in Mortar
 - k. E329 Standard Specification for Agencies Engaged In Construction Inspection
3. Building Code :
International Code Council ICCES Reports

B. Qualifications:

1. Contractor's Testing Agency:
 - a. Meeting requirements of ASTM E329 and ASTM C94.
 - b. Provide evidence of recent inspection by CCRL of NBS, and correction of deficiencies noted.

- C. Use of Testing Agency and approval by Engineer of proposed concrete mix design shall in no way relieve Contractor of responsibility to furnish materials and construction in full compliance with Contract Documents.

1.4 DEFINITIONS

- A. Testing Agency/Service Provider: An independent professional testing/inspection firm or service hired by Contractor or by Owner to perform testing, inspection or analysis services as directed, and as provided in the Contract Documents.

1.5 SUBMITTALS

A. Shop Drawings:

1. Product technical data including:
 - a. Concrete materials and concrete mix designs proposed for use.
 - 1) Include results of all testing performed to qualify materials and to establish mix designs.

- 2) Place no concrete until approval of mix designs has been received in writing.
- 3) Submittal for each concrete mix design to include:
 - a) Sieve analysis and source of fine and coarse aggregates.
 - b) Test for aggregate organic impurities.
 - c) Proportioning of all materials.
 - d) Type of cement with mill certificate for the cement.
 - e) Brand, quantity and class of fly ash proposed for use along with other submittal data as required for fly ash by Specification Section 03 09 00.
 - f) Slump.
 - g) Brand, type and quantity of air entrainment and any other proposed admixtures.
 - h) Total water soluble chloride ion concentration in hardened concrete from all ingredients determined per ASTM C1218.
 - i) 28-day compression test results and any other data required by Specification Section 03 09 00 to establish concrete mix design.
2. Certifications:
 - a. Testing Agency qualifications.

PART 2 - PRODUCTS - (NOT APPLICABLE TO THIS SPECIFICATION SECTION)

PART 3 - EXECUTION

3.1 TESTING SERVICES TO BE PERFORMED SERVICE PROVIDER/TESTING AGENCY

- A. The following concrete testing will be performed by the Service Provider/Testing Agency:
 1. Concrete strength testing:
 - a. Secure concrete samples in accordance with ASTM C172.
 - 1) Obtain each sample from a different batch of concrete on a random basis, avoiding selection of test batch other than by a number selected at random before commencement of concrete placement.
 - b. For each strength test, mold and cure cylinders from each sample in accordance with ASTM C31.
 - 1) Record any deviations from requirements on test report.
 - 2) Cylinder size: Per ASTM C31.
 - a) 4 IN cylinders shall not be used for concrete mixes with maximum aggregate size larger than 1 IN.
 - b) Use the same size cylinder for all tests for each concrete mix.
 - 3) Quantity:
 - a) 6 IN DIA by 12 IN high: Six (6) cylinders.
 - b) 4 IN DIA by 8 IN high: Six (6) cylinders.
 - c. Field cure one (1) cylinder for the seven (7) day test.
 - 1) Laboratory cure the remaining.
 - d. Test cylinders in accordance with ASTM C39.
 - 1) 6 IN DIA cylinders:
 - a) Test three (3) cylinders at 28 days for strength test result and the one (1) field cured sample at seven (7) days for information.
 - b) Hold remaining cylinders in reserve, for testing to verify strength.
 - 2) 4 IN DIA cylinders:
 - a) Test three (3) cylinders at 28 days for strength test result and the one (1) field cured cylinder at seven (7) days for information.
 - b) Hold remaining cylinders in reserve, for testing to verify strength.
 - e. Strength test result:

- 1) Average of strengths of two (2) 6 IN DIA cylinders or three (3) 4 IN DIA cylinders from the same sample tested at 28 days.
 - 2) If one (1) cylinder in a test manifests evidence of improper sampling, molding, handling, curing, or testing, discard and test reserve cylinder(s); average strength of remaining cylinders shall be considered strength test result.
 - 3) Should all cylinders in any test show any of above defects, discard entire test.
- f. Frequency of tests:
- 1) Concrete topping: One (1) strength test for each 10 CY of each type of concrete or fraction thereof placed.
2. Slump testing:
- a. Determine slump of concrete sample for each strength test.
 - 1) Determine slump in accordance with ASTM C143.
 - b. If consistency of concrete appears to vary, the Engineer or Owner's Representative shall be authorized to require a slump test for each concrete truck.
 - 1) This practice shall continue until three consecutive batches are determined to be consistent and meet the slump requirements specified.
3. Air content testing: Determine air content of concrete sample for each strength test in accordance with either ASTM C231, ASTM C173, or ASTM C138.
4. Temperature testing: Determine temperature of concrete sample for each strength test.
5. In-place concrete testing (if required).

3.2 SPECIAL INSPECTIONS

A. General.

1. Special Inspections listed are for the Contractor reference only and is not part of the Contract Documents.
2. It is included to assist the Contractor in understanding the Owner-provided Services so that those services may be factored into the Contractor's pricing and schedule.

B. Mixing, Placing, Jointing, and Curing Special Inspections:

1. Perform concrete tests per the requirements of this Specification Section.
2. Verification of proper mix design.
 - a. Frequency: Periodically, prior to each concrete pour.
3. Proper concrete placement techniques.
 - a. Inspect per requirements of Section 03 09 00.
 - b. Frequency: During each concrete pour.
4. Proper curing temperature and techniques.
 - a. Inspect per requirements of Section 03 09 00.
 - b. Frequency: Periodically, but not less than every third day.
5. Joints:
 - a. Inspect joints for proper joint type, dimensions, reinforcing, dowel alignment, surface preparation and location.
 - b. Frequency: Prior to each concrete pour.

C. Anchorage to Concrete Special Inspection:

1. Post installed anchors as required by the Building Code, ICC-ES Evaluation Reports, and as specified by the Engineer.
 - a. Frequency: Per ICC-ES Report.
2. Cast-in-place concrete anchors, including anchor size, embedment, material and location.
 - a. Frequency: Prior to each concrete pour.

3.3 SAMPLING ASSISTANCE AND NOTIFICATION FOR OWNER

A. To facilitate testing and inspection, perform the following:

1. Furnish any necessary labor to assist Testing Agency in obtaining and handling

- 1 samples at site.
- 2 2. Provide and maintain for sole use of Testing Agency adequate facilities for safe storage
- 3 and proper curing of test specimens on site for first 24 HRS as required by ASTM C31.
- 4 3. Take samples at point of placement into concrete member.
- 5 B. Notify Engineer and Owner's Testing Agency sufficiently in advance of operations
- 6 (minimum of 24 HRS) to allow for assignment of personnel and for scheduled completion
- 7 of quality tests.

8 3.4 ACCEPTANCE

- 9 A. Completed concrete work which meets applicable requirements will be accepted
- 10 without qualification.
- 11 B. Completed concrete work which fails to meet one or more requirements but which has
- 12 been repaired to bring it into compliance will be accepted without qualification.
- 13 C. Completed concrete work which fails to meet one or more requirements and which cannot
- 14 be brought into compliance may be accepted or rejected as provided in these Contract
- 15 Documents.
- 16 1. In this event, modifications may be required to assure that concrete work complies
- 17 with requirements.
- 18 2. Modifications, as directed by Engineer, to be made at no additional cost to Owner.
- 19 D. Dimensional Tolerances:
- 20
- 21 1. Finished slabs exceeding tolerances may be required to be repaired provided that
- 22 strength or appearance is not adversely affected.
- 23 E. Appearance:
- 24 1. Concrete surfaces exposed to view with defects which, in opinion of Engineer,
- 25 adversely affect appearance as required by specified finish shall be repaired by
- 26 approved methods.
- 27 2. Concrete not exposed to view is not subject to rejection for defective appearance
- 28 unless, in the opinion of the Engineer, the defects impair the long-term strength or
- 29 function of the member.
- 30 F. High Water-Cement Ratio:
- 31 1. Concrete with water in excess of the specified maximum water-cement ratio will
- 32 be rejected.
- 33 2. Remove and replace concrete with high water-cement ratio or make other
- 34 corrections as directed by Engineer.
- 35 G. Strength of Structure:
- 36 1. Strength of structure in place will be considered potentially deficient if it fails to
- 37 comply with any requirements which control strength of structure, including but not
- 38 necessarily limited to following:
- 39 a. Low concrete strength:
- 40 1) Test results for standard molded and cured test cylinders to be evaluated
- 41 separately for each mix design.
- 42 a) Such evaluation shall be valid only if tests have been conducted in
- 43 accordance with specified quality standards.
- 44 b) For evaluation of potential strength and uniformity, each mix design shall be
- 45 represented by at least three (3) strength tests.
- 46 c) A strength test shall be the average of two (2) 6 IN diameter cylinders or three
- 47 (3) 4 IN diameter cylinders from the same sample tested at 28 days.
- 48 2) Acceptance:

- a) Strength level of each specified compressive strength shall be considered satisfactory if both of the following requirements are met:
 - (1) Average of all sets of three (3) consecutive strength tests equal or exceed the required specified 28 day compressive strength.
 - (2) No individual strength test falls below the required specified 28 day compressive strength by more than 500 psi.
 - b. Concrete which differs from required dimensions or location in such a manner as to reduce strength.
 - c. Curing time and procedure not meeting requirements of this Specification Section.
 - d. Inadequate protection of concrete from extremes of temperature during early stages of hardening and strength development.
 - e. Mechanical injury, construction fires, accidents or premature removal of formwork likely to result in deficient strength.
 - f. Concrete defects such as voids, honeycomb, cold joints, spalling, cracking, etc., likely to result in deficient strength or durability.
2. Structural analysis and/or additional testing may be required when strength of structure is considered potentially deficient.
 3. In-place testing of concrete may be required when strength of concrete in place is considered potentially deficient.
 - a. Testing by impact hammer, sonoscope, or other nondestructive device may be permitted by Engineer to determine relative strengths at various locations in the structure or for selecting areas to be cored.
 - 1) Such tests shall not be used as a basis for acceptance or rejection.
 - b. Core tests:
 - 1) Where required, test cores will be obtained in accordance with ASTM C42.
 - a) If concrete in structure will be dry under service conditions, air dry cores (temperature 60 to 80 DegF, relative humidity less than 60 percent) for seven (7) days before test then test dry.
 - b) If concrete in structure will be wet or subjected to high moisture atmosphere under service conditions, test cores after immersion in water for at least 40 HRS and test wet.
 - c) Testing wet or dry to be determined by Engineer.
 - 2) Three (3) representative cores may be taken from each member or area of concrete in place that is considered potentially deficient.
 - a) Location of cores shall be determined by Engineer so as least to impair strength of structure.
 - b) If, before testing, one (1) or more of cores shows evidence of having been damaged subsequent to or during removal from structure, damaged core shall be replaced.
 - 3) Concrete in area represented by a core test will be considered adequate if average strength of three (3) cores is equal to at least 85 percent of specified strength and no single core is less than 75 percent of specified strength.
 - 4) Fill core holes with non-shrink grout and finish to match surrounding surface when exposed in a finished area.
 4. If core tests are inconclusive or impractical to obtain or if structural analysis does not confirm safety of structure, load tests may be required and their results evaluated in accordance with ACI 318, Chapter 20.
 5. Correct or replace concrete work judged inadequate by structural analysis or by results of core tests or load tests with additional construction, as directed by Engineer, at Contractor's expense.
 6. Contractor to pay all costs incurred in providing additional testing and/or structural

analysis required.

___ 7. Test for voids under AR plate by tapping with hammer at 12" centers.

END OF SECTION

SECTION 03 09 00

CONCRETE

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Cast-in-place concrete.

B. Related Specification Sections include but are not necessarily limited to:

1. Section 03 05 05 - Concrete Testing & Inspection.
2. Section 03 15 19 - Concrete Anchorage

1.2 QUALITY ASSURANCE

A. Referenced Standards:

1. American Concrete Institute (ACI):
 - a. 117, Specification for Tolerances for Concrete Construction and Materials.
 - b. 212.3R, Chemical Admixtures for Concrete.
 - c. 301 Specifications for Structural Concrete
 - d. 304R, Guide for Measuring, Mixing, Transporting, and Placing Concrete.
 - e. 304.2R, Placing Concrete by Pumping Methods.
 - f. 305.1, Hot Weather Concreting.
 - g. 306.1, Cold Weather Concreting.
 - h. 318, Building Code Requirements for Structural Concrete.
 - i. 347, Guide to Formwork for Concrete.
 - j. CT-13, Concrete Terminology.
2. ASTM International (ASTM):
 - a. C31, Standard Practice for Making and Curing Concrete Test Specimens in the Field.
 - b. C33, Standard Specification for Concrete Aggregates.
 - c. C39, Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens.
 - d. C94/C94M, Standard Specification for Ready-Mixed Concrete.
 - e. C131 Standard Test Method for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in Los Angeles Machine.
 - f. C138, Standard Method of Test for Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete.
 - g. C143, Standard Test Method for Slump of Hydraulic Cement Concrete.
 - h. C150, Standard Specification for Portland Cement.
 - i. C172, Standard Practice for Sampling Freshly Mixed Concrete.
 - j. C173, Standard Test Method for Air Content of Freshly Mixed Concrete by the Volumetric Method.
 - k. C231, Standard Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method.
 - l. C260, Standard Specification for Air-Entraining Admixtures for Concrete.
 - m. C289, Standard Test Method for Potential Alkali-Silica Reactivity of Aggregates (Chemical Method).
 - n. C309, Standard Specification for Liquid Membrane-Forming Compounds for

- 1 Curing Concrete.
- 2 o. C494, Standard Specification for Chemical Admixtures for Concrete.
- 3 p. C618, Standard Specification for Coal Fly Ash and Raw or Calcined Natural
- 4 Pozzolan for Use in Concrete.
- 5 q. C1315, Standard Specification for Liquid Membrane-Forming Compounds Having
- 6 Special Properties for Curing and Sealing Concrete.D1751, Standard Specification
- 7 for Preformed Expansion Joint Filler for Concrete Paving and Structural
- 8 Construction (Nonextruding and Resilient Bituminous Types).
- 9 r. E329, Standard Specification for Agencies Engaged in Construction Inspection
- 10 and/or Testing.
- 11 3. National Ready Mixed Concrete Association (NRMCA).

12 **B. Quality Control:**

- 13 1. Concrete testing agency:
 - 14 a. Contractor to employ and pay for services of a testing laboratory to:
 - 15 1) Perform materials evaluation.
 - 16 2) Design concrete mixes.
 - 17 b. Concrete testing agency to meet requirements of ASTM E329.
- 18 2. Do not begin concrete production until proposed concrete mix design has been
- 19 approved by Engineer.
 - 20 a. Approval of concrete mix design by Engineer does not relieve Contractor of his
 - 21 responsibility to provide concrete that meets the requirements of this
 - 22 Specification.
- 23 3. Adjust concrete mix designs when material characteristics, job conditions, weather,
- 24 strength test results or other circumstances warrant.
 - 25 a. Do not use revised concrete mixes until submitted to and approved by Engineer.
- 26 4. Perform structural calculations as required to prove that all portions of the structure in
- 27 combination with remaining forming and shoring system has sufficient strength to
- 28 safely support its own weight plus the loads placed thereon.

29 **C. Qualifications:**

- 30 1. Ready mixed concrete batch plant certified by NRMCA.
- 31 2. Formwork, shoring and reshoring for slabs and beams except where cast on ground
- 32 to be designed by a professional engineer currently registered in the state where the
- 33 Project is located.

34 **1.3 DEFINITIONS**

35 **A. Per ACI CT-13 except as modified herein:**

- 36 1. Concrete Testing Agency: Testing agency employed to perform materials evaluation,
- 37 design of concrete mixes or testing of concrete placed during construction.
- 38 2. Exposed concrete: Exposed to view after construction is complete.
- 39 3. Indicated: Indicated by Contract Documents.
- 40 4. Nonexposed concrete: Not exposed to view after construction is complete.
- 41 5. Required: Required by Contract Documents.
- 42 6. Specified strength: Specified compressive strength at 28 days.
- 43 7. Submitted: Submitted to Engineer.

44 **1.4 SUBMITTALS**

45 **A. Shop Drawings:**

- 46 1. See Specification Section 01 33 00 for requirements for the mechanics and
- 47 administration of the submittal process.
- 48 2. Concrete mix designs proposed for use.
 - 49 a. Concrete mix design submittal to include the following information:

- 1) Sieve analysis and source of fine and coarse aggregates.
 - 2) Test for aggregate organic impurities.
 - 3) Test for deleterious aggregate per ASTM C289.
 - 4) Proportioning of all materials.
 - 5) Type of cement with mill certificate for cement.
 - 6) Type of fly ash with certificate of conformance to specification requirements.
 - 7) Slump.
 - 8) Air content.
 - 9) Brand, type, ASTM designation, and quantity of each admixture proposed for use.
 - 10) 28-day cylinder compressive test results of trial mixes per ACI 318 and as indicated herein.
3. Product technical data including:
 - a. Acknowledgement that products submitted meet requirements of standards referenced.
 - b. Manufacturer's installation instructions.
 - c. Manufacturers and types:
 - 1) Curing agents.
 - 2) Chemical hardener/sealer.
 - 3) Bonding mortar.
 - 4) Construction joint bonding adhesive.
 - 5) Nonshrink grout with cure/seal compound.
 4. Scaled (minimum 1/8 IN per foot) drawings showing proposed locations of construction joints, control joints, expansion joints (as applicable) and joint dimensions.
 5. Strength test results of in place concrete including slump, air content and concrete temperature.
 6. Certifications:
 - a. Certification of standard deviation value in psi for ready mix plant supplying the concrete.
 - b. Certification that the material and sources submitted in the mix design will be used in the concrete for this project.
 7. Test reports:
 - a. Cement mill reports for all cement to be supplied.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Storage of Material:
 1. Cement and pozzolan:
 - a. Store in moistureproof, weathertight enclosures.
 - b. Do not use if caked or lumpy.
 2. Aggregate:
 - a. Store to prevent segregation and contamination with other sizes or foreign materials.
 - b. Obtain samples for testing from aggregates at point of batching.
 - c. Do not use frozen or partially frozen aggregates.
 - d. Do not use bottom 6 IN of stockpiles in contact with ground.
 - e. Allow sand to drain until moisture content is uniform prior to use.
 3. Admixtures:
 - a. Protect from contamination, evaporation, freezing, or damage.
 - b. Maintain within temperature range recommended by manufacturer.
 - c. Completely mix solutions and suspensions prior to use.
 4. Reinforcing steel: Support and store all rebars above ground.
- B. Delivery:
 1. Concrete:
 - a. Prepare a delivery ticket for each load for ready-mixed concrete.
 - b. Truck operator shall hand ticket to Owner's Representative at the time of delivery.

- 1 c. Ticket to show:
- 2 1) Mix identification mark.
 - 3 2) Quantity delivered.
 - 4 3) Amount of each material in batch.
 - 5 4) Outdoor temp in the shade.
 - 6 5) Time at which cement was added.
 - 7 6) Numerical sequence of the delivery.
 - 8 7) Amount of water added.

9 **PART 2 - PRODUCTS**

10 **2.1 ACCEPTABLE MANUFACTURERS**

- 11 A. Subject to compliance with the Contract Documents, the following products and
- 12 manufacturers are acceptable:
- 13 1. Chemical Floor Hardener/Sealer.:
 - 14 a. L&M Construction Chemicals, Inc.
 - 15 b. Euclid Chemical Company.
 - 16 c. Dayton Superior.
 - 17 2. Corrosion Inhibitor:
 - 18 a. SIKA
- 19 B. Submit request for substitution in accordance with Specification.

20 **2.2 MATERIALS**

- 21 A. Portland Cement: Conform to ASTM C150 Type I/II.
- 22 B. Fly Ash:
- 23 1. ASTM C618, Class F or Class C.
 - 24 2. Nonstaining.
 - 25 a. Hardened concrete containing fly ash to be uniform light gray color.
 - 26 3. Maximum loss on ignition: 4 percent.
 - 27 4. Compatible with other concrete ingredients.
 - 28 5. Obtain proposed fly ash from a source approved by the State Highway Department in
 - 29 the state where the Project is located for use in concrete for bridges.
- 30 C. Admixtures:
- 31 1. Air entraining admixtures: ASTM C260.
 - 32 2. Water reducing, retarding, and accelerating admixtures:
 - 33 a. ASTM C494 Type A through E.
 - 34 b. Conform to provisions of ACI 212.3R.
 - 35 c. Do not use retarding or accelerating admixtures unless specifically approved in
 - 36 writing by Engineer and at no cost to Owner.
 - 37 d. Follow manufacturer's instructions.
 - 38 e. Use chloride free admixtures only.
 - 39 3. Maximum total water soluble chloride ion content contributed from all ingredients of
 - 40 concrete including water, aggregates, cementitious materials and admixtures by
 - 41 weight percent of cement:
 - 42 a. 0.10 all concrete.
 - 43 4. Do not use calcium chloride.
 - 44 5. Pozzolanic admixtures: ASTM C618.
 - 45 6. Provide admixtures of same type, manufacturer and quantity as used in establishing
 - 46 required concrete proportions in the mix design.
- 47 D. Water: Potable, clean, free of oils, acids and organic matter.
- 48 E. Aggregates:
- 49 1. Normal weight concrete: ASTM C33, except as modified below.

2. Fine aggregate:
 - a. Clean natural sand.
 - b. No manufactured or artificial sand.
3. Coarse aggregate:
 - a. Crushed rock, natural gravel, or other inert granular material, S.G >2.60.
 - b. Maximum loss of abrasion of 16%, per ASTM C131, Grading B.
4. Gradation of coarse aggregate:
 - a. All concrete: Size #57.

F. Chemical Floor Hardner/Sealer:

1. Colorless deep penetrating solution containing 100% active silicate chemicals with non-acid penetrant.
2. Similar "Seal Hard" by L&M or "Diamond Hard" by Enclid.
3. Meets Fed Spec CEGS 0330

G. Bonding Grout

1. One part cement to one part aggregate.
2. Mix cement and aggregate.
3. Mix bonding agent and water together in separate container in accordance with manufacturer's instructions.
4. Add bonding agent/water mixture to cement/aggregate mixture.
5. Mix to consistency of thick cream.
6. Bonding agent itself may be used as bonding grout if approved by Engineer.

H. Membrane Curing Compound:

1. ASTM C309, Type II-B.
2. Resin based, dissipates upon exposure to UV light.
3. Curing compound shall not prevent bonding of any future coverings, coatings or finishes.

I. Corrosion Inhibitor:

1. Similar to SIKA FERRO-GARD 903.

2.3 CONCRETE MIXES

A. General:

1. All concrete to be ready mixed concrete conforming to ASTM C94/C94M.
2. Provide concrete of specified quality capable of being placed without segregation and, when cured, of developing all properties required.
3. All concrete to be normal weight concrete except where lightweight concrete is indicated on Drawings.
4. Provide pozzolan content for all cast-in-place construction.

B. Strength:

1. Provide specified strength and type of concrete for each use in structure(s) as follows:

TYP	WEIGHT	SPECIFIED STRENGTH*
All other general use	Normal	4,000psi

* Minimum 28-day compressive strength.

C. Air Entrainment:

1. Provide air entrainment in all concrete resulting in a total air content percent by volume as follows:

MAX AGGREGATE	TOTAL AIR CONTENT
1 IN or 3/4 IN	4±1

<3/4 IN	4±1
---------	-----

2. Air content to be measured in accordance with ASTM C231, ASTM C173, or ASTM C138.
- D. Slump - 4 IN maximum, 1 IN minimum:
1. Measured at point of discharge of the concrete into the concrete construction member.
 2. 8 IN maximum after addition of superplasticizer (if used).
 3. Concrete of lower than minimum slump may be used provided it can be properly placed and consolidated.
 4. Pumped concrete:
 - a. Provide additional water at batch plant to allow for slump loss due to pumping.
 - b. Provide only enough additional water so that slump of concrete at discharge end of pump hose does not exceed maximum slump specified above.
 5. Determine slump per ASTM C143.
- E. Selection of Proportions:
1. General:
 - a. Proportion ingredients to:
 - 1) Produce proper workability, durability, strength, and other required properties.
 - 2) Prevent segregation and collection of excessive free water on surface.
 2. Minimum cement contents and maximum water cement ratios for concrete to be as follows:

SPECIFIED STRENGTH	MINIMUM CEMENT, MAXIMUM AGGREGATE SIZE			MAXIMUM WATER CEMENT RATIO BY WEIGHT
	1/2 IN	3/4 IN	1 IN	
4,00	564	564	564	0.4

3. Fly ash:
 - a. For cast-in-place concrete only, a maximum of 25 percent by weight of Portland cement content per cubic yard may be replaced with fly ash at rate of 1 LB fly ash for 1 LB of cement.
 - b. When fly ash is used, the water to cementitious materials ratio shall not exceed the maximum value specified herein.
4. Concrete mix proportioning methods for normal weight concrete:
 - a. Proportion mixture to provide desired characteristics using one of methods described below:
 - 1) Method 1 (Trial Mix):
 - a) Per ACI 318, Chapter 26, except as modified herein.
 - b) Air content within range specified above.
 - c) Record and report temperature of trial mixes.
 - d) Proportion trial mixes per ACI 301
 - 2) Method 2 (Field Experience):
 - a) Per ACI 318, Chapter 26, except as modified herein:
 - b) Field test records must be acceptable to Engineer to use this method.
 - c) Test records shall represent materials, proportions and conditions similar to those specified.
 5. Required average strength to exceed the specified 28-day compressive strength by the amount determined or calculated in accordance with the requirements of ACI 301 using

1 the standard deviation of the proposed concrete production facility.

2
3 **PART 3 - EXECUTION**

4 **3.1 EXISTING CONCRETE SURFACE PREPARATION**

- 5 A. Prepare all remaining surfaces to be repaired using shot-blasting, scabblers, hydro-
6 demolition, or concrete milling machines to remove all deleterious material and create a
7 surface profile of 1/4 IN amplitude.
8 1. Acid-etched surface preparations are not acceptable.
9 2. Surface preparation shall result in a surface profile acceptable to the bonding
10 agent manufacturer, both in terms of amplitude and removal of surface grease,
11 oils, or other materials that may adversely affect the bond of the topping.
12 3. Surface preparation must be meet a minimum of ICRI CSP 7-9.
13 B. Clean scarified surface thoroughly until all laitance, dirt and similar deleterious materials
14 have been removed.
15 C. Survey the surface of the existing concrete.
16 1. Map and report to the Owner's representative any existing cracks that might telegraph
17 through the topping. The Owner's representative shall evaluate any such cracks for the
18 need for additional repair prior to repair or topping placement.
19 2. Map and record location of existing slab joints. Field verify slab joint layout shown
20 on Drawings.

21 **3.2 FORMING AND PLACING CONCRETE**

- 22 A. Construction and Contraction Joints:
23 1. Locate joints as indicated on Contract Drawings or as shown on approved Shop Drawings.
24 2. Unplanned construction joints will not be allowed.
25 3. Locate construction joints in floor topping as noted on drawings.
26 4. At least 48 HRS shall elapse between placing of adjoining concrete construction.
27 5. Thoroughly clean and remove all laitance and loose and foreign particles from
28 construction joints.
29 6. Before new concrete is placed, dampen concrete surfaces.
30 B. Placing Concrete:
31 1. Place concrete in compliance with ACI 304R and ACI 304.2R.
32 2. Place in a continuous operation within planned joints or sections.
33 3. Begin placement when work of other trades affecting concrete is completed.
34 4. Place concrete by methods which prevent aggregate segregation.
35 5. Do not allow concrete to free fall more than 1 FT.
36 C. Consolidation: Consolidate all concrete using hand rodding and tamping only, no vibrating.
37 D. Protection:
38 1. Protect concrete from physical damage or reduced strength due to weather extremes.
39 2. In cold weather comply with ACI 306.1 except as modified herein.
40 a. Do not place concrete on frozen ground or in contact with forms or reinforcing
41 bars coated with frost, ice or snow.
42 b. Do not place heated concrete that is warmer than 80 DegF.
43 c. If freezing temperatures are expected during curing, maintain the concrete
44 temperature at or above 50 DegF for 7 days or 70 DegF for 3 days.
45 d. Do not allow concrete to cool suddenly.
46 3. In hot weather comply with ACI 305.1 except as modified herein.
47 a. At air temperature of 90 DegF and above, keep concrete as cool as possible
48 during placement and curing.

- b. Do not allow concrete temperature to exceed 90 DegF at placement.
- c. Prevent plastic shrinkage cracking due to rapid evaporation of moisture.
- d. Do not place concrete when the actual or anticipated evaporation rate equals or exceeds

0.2 LBS/SF/HR as determined from ACI 305.1, Figure 2.1.5.

E. Curing:

1. Begin curing concrete as soon as free water has disappeared from exposed surfaces.
2. Cure concrete by use of moisture retaining cover, burlap kept continuously wet or by membrane curing compound.
3. Provide protection as required to prevent damage to concrete and to prevent moisture loss from concrete during curing period.
4. Provide curing for minimum of 14 days.
5. In hot weather follow curing procedures outlined in ACI 305.1.
6. In cold weather follow curing procedures outlined in ACI 306.1.

3.3 CONCRETE FINISHES

A. Tolerances:

1. Class A: 1/4 IN in 10 FT.

B. Surfaces Exposed to View:

1. Provide a smooth finish for Tipping floor concrete surface.

C. Surfaces Not Exposed to View:

1. Patch voids, air pockets and honeycomb areas below AR plate with pressurized non-shrink cement grout.

D. Slab Float Finish:

1. After concrete has been placed, consolidated, struck off, and leveled, do no further work until ready for floating.
2. Do not use water to aid in finishing.
3. Begin floating when water sheen has disappeared and surface has stiffened sufficiently to permit operation.
4. During or after first floating, check planeness of entire surface with a 10 FT straightedge applied at not less than two different angles.
5. Cut down all high spots and fill all low spots during this procedure to produce a surface within Class A tolerance throughout.
6. Refloat slab immediately to a uniform sandy texture.

E. Troweled Finish:

1. Float finish surface.
2. Finally hand trowel, DO NOT POWER TROWEL.
3. Do not use water to aid in finishing.
4. Produce a smooth surface which is relatively free of defects with first hand troweling.
5. Perform additional trowelings by hand after surface has hardened sufficiently.
6. Final trowel when a ringing sound is produced as trowel is moved over surface.
7. Thoroughly consolidate surface by hand troweling.
8. Leave finished surface essentially free of trowel marks, uniform in texture and appearance and plane to a Class A tolerance.

3.4 FIELD QUALITY CONTROL

A. Owner will employ and pay for services of a concrete testing laboratory to perform testing of concrete placed during construction.

1. Contractor to cooperate with Owner in obtaining and testing samples.

B. Tests During Construction:

1. Strength test:

- 1 a. For each strength test, mold and cure cylinders from each sample in accordance
- 2 with ASTM C31.
- 3 1) Cylinder size: Per ASTM C31.
- 4 a) 4 IN cylinders may not be used for concrete mixes with concrete
- 5 aggregate size larger than 1 IN.
- 6 2) Quantity:
- 7 a) 6 IN DIA by 12 IN high: Six (6) cylinders.
- 8 b) 4 IN DIA by 8 IN high: Six (6) cylinders.
- 9 b. Field cure one (1) cylinder for the seven (7) day test.
- 10 1) Laboratory cure the remaining.
- 11 c. Test cylinders in accordance with ASTM C39.
- 12 1) 6 IN DIA cylinders:
- 13 a) Test three (3) cylinders at 28 days for strength test result and the one (1)
- 14 field cured sample at seven (7) days for information.
- 15 b) Hold remaining cylinders in reserve, for contractor to verify full strength has
- 16 been achieved.
- 17 2) 4 IN DIA cylinders:
- 18 a) Test three (3) cylinders at 28 days for strength test result and the one (1)
- 19 field cured cylinder at seven (7) days for information.
- 20 b) Hold remaining cylinders in reserve, for contractor to verify full strength has
- 21 been achieved.
- 22 d. Strength test result:
- 23 1) Average of strengths of three (3) 6 IN DIA cylinders or three (3) 4 IN DIA
- 24 cylinders from the same sample tested at 28 days.
- 25 2) If one (1) cylinder in a test manifests evidence of improper sampling, molding,
- 26 handling, curing, or testing, discard and test reserve cylinder(s); average strength
- 27 of remaining cylinders shall be considered strength test result.
- 28 3) Should all cylinders in any test show any of above defects, discard entire test.
- 29 e. Frequency of tests:
- 30 1) All concrete:
- 31 a) One (1) strength test to be taken not less than once a day, nor less than
- 32 once for each 10 CU YD or fraction thereof placed in any one (1) day.
- 33 f. Per ASTM C143.
- 34 g. Determined for each strength test sample.
- 35 h. Additional slump tests may be taken.
- 36 2. Air content:
- 37 a. Per ASTM C231, ASTM C173, and ASTM C138.
- 38 b. Determined for each strength test sample.
- 39 3. Temperature: Determined for each strength test sample.
- 40 C. Evaluation of Tests:
- 41 1. Strength test results:
- 42 a. Average of 28-day strength of two cylinders from each sample.
- 43 1) If one cylinder manifests evidence of improper sampling, molding, handling,
- 44 curing or testing, strength of remaining cylinder will be test result.
- 45 2) If both cylinders show any of above defects, test will be discarded.
- 46 D. Acceptance of Concrete:
- 47 1. Strength level of each type of concrete shall be considered satisfactory if both of
- 48 the following requirements are met:
- 49 a. Average of all sets of three consecutive strength tests equals or exceeds the
- 50 required specified 28-day compressive strength.
- 51 b. No individual strength test falls below the required specified 28-day

- 1 compressive strength by more than 500 psi.
- 2 2. If tests fail to indicate satisfactory strength level, perform additional tests and/or
- 3 corrective measures as directed by Engineer.
- 4 a. Perform additional tests and/or corrective measures at no additional cost to Owner.
- 5 E. Concrete tolerances per ACI 117.

6 **3.5 SCHEDULES**

- 7 A. Concrete:
- 8 1. Normal weight concrete: All locations.
- 9 B. Concrete Finishes:
- 10 1. Slab finish:
- 11 a. Use following finishes as applicable, unless otherwise indicated:
- 12 1) Hand Troweled finish: Interior floor slabs.
- 13

14 **END OF SECTION**

15 **SECTION 03 15 19**

16 **ANCHORAGE TO CONCRETE**

17 **PART 1 - GENERAL**

18 **1.1 SUMMARY**

- 19
- 20 A. Section Includes:
- 21 1. Requirements for all post-installed concrete anchors required for the Project but
- 22 not specified elsewhere in the Contract Documents.
- 23 B. Related Specification Sections include but are not necessarily limited to:
- 24 1. Division 00 - Procurement and Contracting Requirements.
- 25 2. Division 01 - General Requirements.
- 26 3. Section 03 05 05 - Concrete Testing and Inspection.
- 27 4. Section 03 09 00 - Concrete.

28 **1.2 QUALITY ASSURANCE**

- 29 A. Referenced Standards:
- 30 1. American Concrete Institute (ACI):
- 31 a. 318, Building Code Requirements for Structural Concrete and Commentary.
- 32 2. American Concrete Institute/Concrete Reinforcing Steel Institute (ACI-CRSI):
- 33 a. Adhesive Anchor Installation Certification Program: Adhesive Anchor Installer.
- 34 3. American Institute of Steel Construction (AISC):
- 35 a. 303, Code of Standard Practice for Steel Buildings and Bridges.
- 36 4. ASTM International (ASTM):
- 37 A123, Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.
- 38 a. A153, Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware.
- 39 b. A307, Standard Specification for Carbon Steel Bolts and Studs, 60,000 PSI
- 40 Tensile Strength.
- 41 c. A563, Standard Specification for Carbon and Alloy Steel Nuts.
- 42 d. A780, Standard Practice for Repair of Damaged and Uncoated Areas of Hot-
- 43 Dip Galvanized Coatings.
- 44 e. F436, Standard Specification for Hardened Steel Washers.
- 45 f. F1554, Standard Specification for Anchor Bolts, Steel, 36, 55, and 105-ksi
- 46 Yield Strength.
- 47 5. ICC Evaluation Service (ICC-ES):

- 1
- 2 a. AC308, Acceptance Criteria for Post-Installed Adhesive Anchors in Concrete
- 3 Elements.
- 4 6. Building code:
- 5 a. International Code Council (ICC):
- 6 1) International Building Code and associated standards, 2015 Edition including
- 7 all amendments, referred to herein as Building Code.
- 8 B. Post-installed anchors and related materials shall be listed by the following agencies:
- 9 1. ICC-ES.
- 10 2. Engineer approved equivalent.

11 **1.3 DEFINITIONS**

- 12 A. Adhesive Anchors:
- 13 1. Post-installed anchors developing their strength primarily from chemical bond between
- 14 the concrete and the anchor.
- 15 2. Includes anchors using acrylics, epoxy and other similar adhesives.
- 16 B. Anchor Rod: Any cast-in-place or post-installed anchorage made from unheaded, threaded,
- 17 rod or deformed bar material.
- 18 C. Concrete Anchor: Generic term for either an anchor bolt or an anchor rod.
- 19 D. Galvanizing: Hot-dip galvanizing per ASTM A123 or ASTM A153 with minimum coating of
- 20 2.0 OZ of zinc per square foot of metal (average of specimens) unless noted otherwise or
- 21 dictated by standard.
- 22 E. Hardware: As defined in ASTM A153.
- 23 F. Installer or Applicator:
- 24 1. Installer or applicator is the person actually installing or applying the product in the field
- 25 at the Project site.
- 26 2. Installer and applicator are synonymous.
- 27 G. MPII: Manufacturer's printed installation instructions.
- 28 H. Post-Installed Anchor: Any adhesive or mechanical anchor installed into previously placed
- 29 and adequately cured concrete.

30 **1.4 SUBMITTALS**

- 31 A. Shop Drawings:
- 32 1. Product technical data including:
- 33 a. Acknowledgement that submitted products meet requirements of referenced
- 34 standards.
- 35 b. Manufacturer material data sheet for each anchor.
- 36 1) Clearly indicate which products on the data sheet are proposed for use on
- 37 the Project.
- 38 c. Manufacturer's printed installation instructions.
- 39 d. Current ICC-ES report for each post-installed anchor system indicating the following:
- 40 1) Certification that anchors meet all requirements indicated in this Specification.
- 41 2) Performance data showing that anchor is approved for use in cracked concrete.
- 42 3) Seismic design categories for which anchor system has been approved.
- 43 4) Required installation procedures.
- 44 5) Special inspection requirements for installation.
- 45 e. Anchorage layout drawings and details:
- 46 1) Indicate anchor diameter, embedment, length, anchor type, material and finish.
- 47 2) Drawings showing location, configuration, spacing and edge distance.

- 1 B. Samples:
- 2 1. Representative samples of concrete anchors may be requested by Engineer. Review
- 3 will be for type and finish only. Compliance with all other requirements is exclusively the
- 4 responsibility of the Contractor.
- 5 C. Informational Submittals:
- 6 1. Certification of qualifications for each installer of post-installed anchors.
- 7 a. Indicate successful completion or certification for each type of approved post-
- 8 installed anchor as required by the Contract Documents.
- 9 b. Provide one of the following for each type of anchor, as required by this
- 10 specification section:
- 11 1) Letter from manufacturer documenting successful training completion.
- 12 2) Certification of completion for Engineer approved program.

13 **1.5 DELIVERY, STORAGE, AND HANDLING**

- 14 A. Deliver products to job site in manufacturer's or distributor's packaging undamaged
- 15 and complete with installation instructions.
- 16 B. Store above ground on skids or other supports to keep items free of dirt and other foreign
- 17 debris and to protect against corrosion.
- 18 C. Protect and handle materials in accordance with manufacturer's recommendations to
- 19 prevent damage or deterioration.
- 20

21 **PART 2 - PRODUCTS**

22 **2.1 MATERIALS**

- 23 A. Post-Installed Adhesive Concrete Anchors:
- 24 1. ASTM F1554, Grade 36 or 55 or ASTM A307, galvanized.
- 25 B. Washers:
- 26 1. ASTM F436 unless noted otherwise.
- 27 2. Follow manufacturer's requirements for all post-installed anchorage.
- 28 C. Nuts:
- 29 1. ASTM A563 for all adhesive anchors.
- 30 2. Follow manufacturer's requirements if using post-installed anchorage.
- 31 D. Galvanizing Repair Paint:
- 32 1. High zinc dust content paint for regalvanizing welds and abrasions.
- 33 2. ASTM A780.
- 34 3. Zinc content: Minimum 92 percent in dry film.
- 35 4. ZRC "ZRC Cold Galvanizing" or Clearco "High Performance Zinc Spray."

36 **2.2 ENGINEER DESIGNED ANCHORAGE**

- 37 A. When the size, length and details of anchorages are shown on Contract Structural
- 38 Drawings, Contractor design of anchorage is not required.
- 39 B. Acceptable Manufacturers:
- 40 1. Additional newer post-installed anchor systems for the listed manufacturers will be
- 41 considered only if a current evaluation agency report is submitted in accordance with
- 42 the SUBMITTALS Article in PART 1 of this Specification Section, the anchor system
- 43 is certified by ICC-ES for cracked concrete conditions, and if approved by the
- 44 Engineer.
- 45 2. Adhesive Concrete Anchors:

- 1 a. Hilti:
- 2 1) HIT RE 500-SD (ICC-ES ESR-2322).
- 3 2) HIT RE 500 V3 (ICC ESR-3814).
- 4 3. Submit request for substitution in accordance with Specification Section 01 25 13.
- 5 a. Substitution request to indicate the proposed anchor has the at least the same
- 6 tension and shear strength as the specified anchor installed as indicated in the
- 7 Contract Drawings.
- 8 b. Calculations to be stamped by a Professional Engineer registered in the state that
- 9 the Project is located in.
- 10

11 **PART 3 - EXECUTION**

12 **3.1 GENERAL**

- 13 A. Adhesive Anchorage:
- 14 1. Use only where specifically indicated on the Drawings or when approved for use by
- 15 the Engineer.
- 16 2. May be used where subjected to vibration or where buried or submerged.
- 17 3. Do not use in overhead applications or sustained tension loading conditions such as
- 18 utility hangers.
- 19 4. Contact Engineer for clarification when anchors will not be installed in compliance
- 20 with manufacturer's printed installation requirements.

21 **3.2 PREPARATION**

- 22 A. Prior to installation, inspect and verify areas and conditions under which concrete
- 23 anchorage is to be installed.
- 24 1. Notify Engineer of conditions detrimental to proper and timely completion of work.
- 25 2. Do not proceed with work until unsatisfactory conditions have been corrected in a
- 26 manner acceptable to the Engineer.
- 27 B. Special Inspection is required in accordance with the Building Code for all concrete
- 28 anchorage.
- 29 1. Notify the Special Inspector that an inspection is required prior to post-installed
- 30 anchorage installation.
- 31 C. Post-installed anchor manufacturer's representative shall demonstrate and observe the
- 32 proper installation procedures for the post-installed anchors at no additional expense to
- 33 the Owner.
- 34 1. Follow such procedures to assure acceptable installation.

35 **3.3 INSTALLATION**

- 36 A. Unless noted or specified otherwise:
- 37 1. Connect steel members to concrete using steel anchorage unless shown otherwise.
- 38 2. Provide washers for all anchorage.
- 39 3. Where exposed, extend threaded anchorage a minimum of 1/2 IN above the top of the
- 40 fully engaged nut.
- 41 a. If anchorage is cut off to the required maximum height, threads must be dressed
- 42 to allow nuts to be removed without damage to the nuts.
- 43 B. Do the following after nuts are snug-tightened down:
- 44 1. Follow MPII.
- 45 2. Upset threads of anchorage to prevent nuts from backing off.
- 46 a. Provide double nut or lock nut in lieu of upset threads for items that may
- 47 require removal in the future.

- 1 3. If using post-installed anchorage, follow manufacturer's installation procedures.
- 2 C. Assure that embedded items are protected from damage and are not filled in with concrete.
- 3 D. Repair damaged galvanized surfaces in accordance with ASTM A780.
- 4 1. Prepare damaged surfaces by abrasive blasting or power sanding.
- 5 2. Apply galvanizing repair paint to minimum 6 mils DFT in accordance with
- 6 manufacturer's instructions and ASTM A780.
- 7 E. Comply with the MPII on the hole diameter and depth required to fully develop the
- 8 tensile strength of the anchor or reinforcing bar.
- 9 1. Use hammer drills to create holes.
- 10 2. Properly clean out the hole per the ICC-ES reports utilizing a non-metallic fiber
- 11 bristle brush and compressed air or as otherwise required to remove all loose
- 12 material from the hole prior to installing the anchor in the presence of the Special
- 13 Inspector.

14 3.4 FIELD QUALITY CONTROL

- 15 A. Special Inspection:
- 16 1. See Section 03 05 05.

17 3.5 CLEANING

- 18 A. After concrete has been placed, remove protection and clean all anchorage of all concrete,
- 19 dirt, and other foreign matter.
- 20

21 END OF SECTION

22 SECTION 05 50 00

23 METAL FABRICATIONS

24 PART 1 - GENERAL

25 1.1 SUMMARY

- 26 A. Section Includes:
- 27 1. Custom fabricated metal items and certain manufactured units not otherwise indicated
- 28 to be supplied under work of other Specification Sections.
- 29
- 30 B. Related Specification Sections include but are not necessarily limited to:
- 31 1. Section 03 09 00 - Concrete.
- 32 2. Section 03 15 19 - Anchorage to Concrete.

33 1.2 QUALITY ASSURANCE

- 34 A. Referenced Standards:
- 35 1. American Institute of Steel Construction (AISC):
- 36 a. 360, Specifications for Structural Steel Buildings (referred to herein as AISC
- 37 Specification).
- 38
- 39 2. ASTM International (ASTM):
- 40 a. A6, Standard Specification for General Requirements for Rolled Structural Steel
- 41 Bars, Plates, Shapes, and Sheet Piling.
- 42 b. A36, Standard Specification for Carbon Structural Steel.
- 43 c. A123/A123M, Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron
- 44 and Steel Products.

- d. A153 Standard Specification for Zinc-Coating on Iron and Steel.
 - e. A780 Practice for Repair of Damaged and Uncoated Hot-Dip galvanized coating.
 3. American Welding Society (AWS):
 - a. A5.1/A5.1M, Specification for Carbon Steel Electrodes for Shielded Metal Arc Welding.
 - b. D1.1, Structural Welding Code - Steel.
 4. NACE International (NACE).
 5. Occupational Safety and Health Administration (OSHA):
 - a. 29 CFR 1910, Occupational Safety and Health Standards, referred to herein as OSHA Standards.
 6. Building code:
 - a. International Code Council (ICC):
 - 1) International Building Code and associated standards, 2015 Edition including all amendments, referred to herein as Building Code.
- B. Qualifications:
1. Qualify welding procedures and welding operators in accordance with AWS.
 2. Fabricator shall have minimum of 10 years experience in fabrication of metal items specified.
 3. NACE certified inspector shall have minimum of two (2) years experience performing inspections as indicated.
 - a. Have a current Level III coating inspector certification.

1.3 DEFINITIONS

- A. Fasteners: As defined in ASTM F1789.
- B. Galvanizing: Hot-dip galvanizing per ASTM A123/A123M or ASTM A153/A153M with minimum coating of 2.0 OZ of zinc per square foot of metal (average of specimens) unless noted otherwise or dictated by standard.
- C. Hardware: As defined in ASTM A153/A153M.
- D. Installer or Applicator:
 1. Installer or applicator is the person actually installing or applying the product in the field at the Project site.
 2. Installer and applicator are synonymous.

1.4 SUBMITTALS

- A. Shop Drawings:
 1. Fabrication and/or layout drawings and details:
 - a. Submit drawings for all fabrications and assemblies.
 - 1) Include erection drawings, plans, sections, details and connection details.
 - b. Identify materials of construction, shop coatings and third party accessories.
 2. Product technical data including:
 - a. Acknowledgement that products submitted meet requirements of standards referenced.
- B. Informational Submittals:
 1. Certification of welders and welding processes.
 - a. Indicate compliance with AWS.
 2. NACE inspector qualifications.
 3. NACE certification of surface preparation.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver and handle fabrications to avoid damage.

- 1 B. Store above ground on skids or other supports to keep items free of dirt and other foreign
2 debris and to protect against corrosion.
3

4 **PART 2 - PRODUCTS**

5 **2.1 ACCEPTABLE MANUFACTURERS**

- 6 A. Subject to compliance with the Contract Documents, the following manufacturers
7 are acceptable:
8 1. Epoxy adhesive anchor bolts:
9 a. See Section 03 15 19.
10 2. Galvanizing repair paint:
11 a. Clearco Products Co., Inc.
12 b. ZRC Products.
- 13 B. Submit request for substitution in accordance with Specification .

14 **2.2 MATERIALS**

- 15 A. Steel:
16 1. Structural:
17 a. Angles: ASTM A36.
18 b. Plates – AR400 with Brinell hardness range of 360-440 BHN.
19 2. Welding electrodes: AWS D1.1, E70 Series.
- 20 B. Adhesive Anchor Bolts:
21 1. See Specification Section 03 15 19.
- 22 C. Iron and Steel Hardware: Galvanized in accordance with ASTM A153/A153M when required
23 to be galvanized.
- 24 D. Galvanizing Repair Paint:
25 1. High zinc dust content paint for regalvanizing welds and abrasions.
26 2. ASTM A780.
27 3. Zinc content: Minimum 92 percent in dry film.
28 4. ZRC "ZRC Cold Galvanizing" or Clearco "High Performance Zinc Spray."

29 **2.3 FABRICATION**

- 30 A. Verify field conditions and dimensions prior to fabrication.
- 31 B. Form materials to shapes indicated with straight lines, true angles, and smooth curves.
32 1. Grind smooth all rough welds and sharp edges.
33 a. Round all corners to approximately 1/32 - 1/16 IN nominal radius.
- 34 C. Provide drilled or punched holes with smooth edges.
35 1. Punch or drill for field connections and for attachment of work by other trades.
- 36 D. Weld Shop Connections:
37 1. Welds to be continuous fillet type unless indicated otherwise.
38 2. Weld structural steel in accordance with AWS D1.1 using Series E70 electrodes
39 conforming to AWS A5.1/A5.1M.
40 3. Grind smooth welds that will be exposed.
- 41 E. Fabricate work in shop in as large assemblies as is practicable.
- 42 F. Tolerances:
43 1. Rolling:
44 a. ASTM A6.
45 b. When material received from the mill does not satisfy ASTM A6 tolerances for

1 camber, profile, flatness, or sweep, the Contractor is permitted to perform corrective
2 work by the use of controlled heating and mechanical straightening, subject to the
3 limitations of the AISC Specification.

4 2. Fabrication tolerance:

5 a. Member length:

6 Framed members:

7 a) 30 FT or less: 1/16 IN.

8 b) Over 30 FT: 1/8 IN.

9 b. Member straightness:

10 Non-compression members: ASTM A6 tolerance for wide flange shapes.

11 c. Finished members shall be free from twists, bends and open joints.

12 1) Sharp kinks, bends and deviation from above tolerances are cause for rejection of material.

13 **2.4 SOURCE QUALITY CONTROL**

14 A. Surface Preparation:

15 1. All miscellaneous metal fabrication item surfaces shall be inspected and approved by
16 NACE certified coatings inspector prior to application of shop-applied coatings.

17 a. Inspection shall be performed to determine depth of blast profile and cleanliness
18 of surface.

19 b. Fabricator shall reblast and or re-clean surfaces as required until acceptable.

20 B. Shop Applied Coating Application:

21 1. After surface has been accepted in writing by NACE certified coatings inspector,
22 fabricator may proceed with application of coatings.

23 2. Application of coatings shall be observed and certified by NACE certified
24 coatings inspector.

25 C. Shop Inspection and Testing:

26 1. Owner will employ and pay for the services of a qualified independent testing agency
27 to inspect and test all structural steel work for compliance with Contract Documents.

28 2. Contractor is responsible for testing to qualify shop and field welders and as needed
29 for Contractor's own quality control to ensure compliance with Contract Documents.

30 3. Independent testing agency shall have a minimum of five (5) years performing similar
31 work and shall be subject to Owner's approval.

32 D. Responsibilities of Testing Agency:

33 1. Inspect shop and field welding in accordance with AWS Code including the following
34 non- destructive testing:

35 a. Visually inspect all welds.

36 b. In addition to visual inspection, test 50 percent of full penetration welds and 20
37 percent of fillet welds with liquid dye penetrant or mag particle.

38 c. Test 20 percent of liquid dye penetrant tested full penetration welds with ultrasonic
39 or radiographic testing.

40 2. Inspect structural steel which has been erected.

41 3. Prepare and submit inspection and test reports to Owner.

42 a. Assist Owner to determine corrective measures necessary for defective work.
43

44 **PART 3 - EXECUTION**

45 **3.1 PREPARATION**

46 A. Provide items to be built into other construction in time to allow their installation.

47 1. If such items are not provided in time for installation, cut in and install.

- 1 B. Prior to installation, inspect and verify condition of substrate.
- 2 C. Correct surface defects or conditions which may interfere with or prevent a
- 3 satisfactory installation.

4 3.2 INSTALLATION

- 5 A. Set metal work level, true to line, plumb.
- 6 1. Shim and grout as necessary.
- 7 B. Contractor is solely responsible for safety.
- 8 1. Construction means and methods and sequencing of work is the prerogative of
- 9 the Contractor.
- 10 2. Take into consideration that full structural capacity of many structural members is not
- 11 realized until structural assembly is complete; e.g., until slabs, decks, and diagonal
- 12 bracing or rigid connections are installed.
- 13 3. Partially complete structural members shall not be loaded without an investigation by
- 14 the Contractor.
- 15 4. Until all elements of the permanent structure and lateral bracing system are
- 16 complete, temporary bracing for the partially complete structure will be required.
- 17 C. Adequate temporary bracing to provide safety, stability and to resist all loads to which the
- 18 partially complete structure may be subjected, including construction activities and
- 19 operation of equipment is the responsibility of the Contractor.
- 20 1. Plumb, align, and set structural steel members to specified tolerances.
- 21 2. Use temporary guys, braces, shoring, connections, etc., necessary to maintain the
- 22 structural framing plumb and in proper alignment until permanent connections are
- 23 made, the succeeding work is in place, and temporary work is no longer necessary.
- 24 3. Use temporary guys, bracing, shoring, and other work to prevent injury or damage to
- 25 adjacent work or construction from stresses due to erection procedures and
- 26 operation of erection equipment, construction loads, and wind.
- 27 4. Contractor shall be responsible for the design of the temporary bracing system and must
- 28 consider the sequence and schedule of placement of such elements and effects of loads
- 29 imposed on the structural steel members by partially or completely installed work,
- 30 including work of all other trades.
- 31 a. If not obvious from experience or from the Drawings, the Contractor shall confer with
- 32 the Engineer to identify those structural steel elements that must be complete before
- 33 the temporary bracing system is removed.
- 34 5. Remove and dispose of all temporary work and facilities off-site.
- 35 D. Examine work-in-place on which specified work is in any way dependent to ensure
- 36 that conditions are satisfactory for the installation of the work.
- 37 1. Report defects in work-in-place which may influence satisfactory completion of the work.
- 38 2. Absence of such notification will be construed as acceptance of work-in-place.
- 39 E. Field Measurement:
- 40 1. Take field measurements as necessary to verify or supplement dimensions indicated
- 41 on the Drawings.
- 42 2. Contractor responsible for the accurate fit of the work.
- 43 F. Check the elevations of all adhesive anchors before starting erection.
- 44 1. Use surveyor's level.
- 45 2. Notify Owner of any errors or deviations found by such checking.
- 46 G. Erect plumb and level; introduce temporary bracing required to support erection loads.
- 47 H. Welding:

1. Conform to AWS D1.1 and requirements of the FABRICATION Article in PART 2 of this Specification Section.
 2. When joining two (2) sections of steel of different ASTM designations, welding techniques shall be in accordance with a qualified AWS D1.1 procedure.
- I. Clean stored material of all foreign matter accumulated prior to the completion of erection.
 - J. Field Welding:
 1. Follow AWS procedures.
 2. Grind welds smooth where field welding is required.
 - K. Remove all burrs and radius all sharp edges and corners of miscellaneous plates, angles, framing system elements, etc.
 - L. Do not field splice fabricated items unless said items exceed standard shipping length or change of direction requires splicing.
 1. Provide full penetration welded splices where continuity is required.
 - M. Provide each fabricated item complete with attachment devices as indicated or required to install.
 - N. Anchor such that work will not be distorted nor fasteners overstressed from expansion and contraction.

3.3 FIELD QUALITY CONTROL

- A. OWNER Pays for Field Inspection and Testing:
 1. Owner will employ and pay for services of an independent testing agency to inspect and test structural steel shop and field work for compliance with this Specification Section.
 2. Contractor provides sufficient notification and access so inspection and testing can be accomplished.
 3. Contractor pays for retesting of failed tests and for additional testing required when defects are discovered.

3.4 CLEANING

- A. After fabrication, erection, installation or application, clean all miscellaneous metal fabrication surfaces of all dirt, weld slag and other foreign matter.

END OF SECTION

DIVISION 6 STRUCTURES

6-03, STEEL STRUCTURES

6-03.1 Description

Section 6-03.1 is supplemented with the following:

(*****)

This work includes the demolishing of waste chute parts as shown in the Contract plans and fabricate and place new parts as shown.

6-03.3 Construction Requirements

Section 6-03.3 is supplemented with the following:

1 (*****)

2 The Contractor shall perform the work as shown in the Contract Plans to fabricate the new waste chute
3 plates as shown. This Lump Sum bid item includes the following approximate quantities:

4
5 "Fabricated Metal Chutes"-

6		
7	5/16" rolled plate (160L.F. total both chutes)	14,500 L.B.
8	5/16"x 4	660 L.B.
9	L4x3x1/4	1,000 L.B.

10 11 **6-03.4 Measurement**

12 Section 6-03.4 is supplemented with the following:

13
14 (*****)

15 "Fabricated Metal Chutes" per Lump Sum shall not be measured.

16 "Site Demolition" shall be measured per Linear Foot.

17 "Brush Skirting System" shall be measured per Linear Foot.

18 "2 In. Diam. Holes thru Existing Plate" shall be measured per Each.

19 "1/2"x 6" Epoxy Anchors" shall be measured per Each.

20 "Injected Epoxy Grout" shall be measured per Gallon.

21 22 **6-03.5 Payment**

23 Section 6-03.5 is supplemented with the following:

24
25 (*****)

26 "Fabricated Metal Chutes" per Lump Sum shall be full pay for furnishing, fabricating, installing, drilling
27 holes, welding, and all equipment and labor to complete the work as described above and shown in the
28 Contract Plans.

29 "Site Demolition" per Linear Foot shall be full pay for all labor, equipment, and materials to complete the
30 work as shown in the Contract Plans.

31 "Brush Skirting System" per Linear Foot shall be full pay for all labor, equipment, and materials to
32 complete the work as shown in the Contract Plans.

33 "2 In. Diam. Holes thru Existing Plate" per Each shall be full pay for all labor, equipment, and materials
34 to complete the work as shown in the Contract Plans.

35 "1/2"x 6" Epoxy Anchors" per Each shall be full pay for all labor, equipment, and materials to complete
36 the work as shown in the Contract Plans.

37 "Injected Epoxy Grout" per Gallon shall be full pay for all labor, equipment, and materials to complete the
38 work as shown in the Contract Plans.

39 40 **POWER EQUIPMENT**

41 (*****)

42
43 The successful bidder will be required to furnish the County a list of all equipment that they anticipate
44 utilizing on this project.

45
46 The bidder's attention is directed to the attached Power Equipment Form, which the successful bidder
47 will be required to complete and return with the contract documents. This information will enable hourly
48 rental rates to be computed by the County, utilizing the "Rental Rate Blue Book for Construction
49 Equipment". No payment for any force account work will be allowed until this form has been returned
50 and accepted by the County.

1
2 **E-VERIFY**

3 (*****)

4
5 “Effective June 21st, 2010, all contracts with a value of \geq \$100,000 shall require that the awarded
6 contractor register with the Department of Homeland Security E-Verify program. Contractors shall have
7 sixty days after the execution of the contract to register and enter into a Memorandum of Understanding
8 (MOU) with the Department of Homeland Security (DHS) E-Verify program. After completing the MOU
9 the contractor shall have an additional sixty days to provide a written record on the authorized
10 employment status of their employees and those of any sub-contractor(s) currently assigned to the
11 contract. Employees hired during the execution of the contract and after submission of the initial
12 verification will be verified to the county within 30 days of hire, as reported from the E-Verify program.
13 The contractor will continue to update the County on all corrective actions required and changes made
14 during the performance of the contract.”
15

16 **BOND**

17 (*****)

18
19 The Bidder's special attention is directed to the attached bond form, which the successful bidder will be
20 required to execute and furnish the County. **NO OTHER BOND FORMS WILL BE ACCEPTED.** The
21 bond shall be for the full amount of the contract.
22

23 **LEWIS COUNTY ESTIMATES AND PAYMENT POLICY**

24 (*****)

25 Payment cutoff shall be the last day of each month, inclusive of that day. On or before the 5th day of
26 each calendar month during the term of this contract, the Contracting Agency shall prepare monthly
27 Progress Payments for work completed and material furnished. If the Contractor agrees, the
28 Contractor will approve the Progress Payment and return the estimate to the Contracting Agency by the
29 10th day of that same calendar month. The Contracting Agency shall prepare a voucher based upon
30 the approved Progress Payment and payment based thereon shall be due the Contractor near the 10th
31 day of the next calendar month. Material Supply contracts involving delivery of prefabricated material
32 or stockpile material only (no physical work on Contracting Agency property) may be reimbursed via
33 Contractor generated invoices upon written approval by the Engineer. Reimbursement by invoice shall
34 not be subject to late charges listed on the Contractor’s standard invoice form.
35

36 When the Contractor reports the work is completed he/she shall then notify the Contracting Agency.
37 The Contracting Agency shall inspect the work and report any deficiencies to the Contractor. When the
38 Contracting Agency is satisfied the work has been completed in accordance with all plans and
39 specifications, the Contracting Agency shall then accept the work.
40

41 Upon completion of all work described in this Contract, the Contracting Agency shall prepare a Final
42 Progress Payment and Final Contract Voucher for approval by the Contractor and processing for final
43 payment. Release of the Contract Bond will be 60 days following Contracting Agency Final Acceptance
44 of Contract, provided the conditions of Section 1-03.4 and Section 1-07.2 of these Special Provisions
45 have been satisfied.
46
47

1 **APPENDICES**

2 (July 12, 1999)

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

4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21

***** APPENDIX A:
Washington State Prevailing Wage Rates
Wage Rate Supplement
Wage Rate Benefit Code Key

APPENDIX B:
Bid Proposal Documents

APPENDIX C:
Contract Documents

APPENDIX D:
Contract Plans *****

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: 7/3/2018

<u>County</u>	<u>Trade</u>	<u>Job Classification</u>	<u>Wage</u>	<u>Holiday</u>	<u>Overtime</u>	<u>Note</u>
Lewis	Asbestos Abatement Workers	Journey Level	\$46.57	<u>5D</u>	<u>1H</u>	
Lewis	Boilermakers	Journey Level	\$66.54	<u>5N</u>	<u>1C</u>	
Lewis	Brick Mason	Journey Level	\$55.82	<u>5A</u>	<u>1M</u>	
Lewis	Brick Mason	Pointer-Caulker-Cleaner	\$55.82	<u>5A</u>	<u>1M</u>	
Lewis	Building Service Employees	Janitor	\$11.50		<u>1</u>	
Lewis	Building Service Employees	Shampooer	\$11.50		<u>1</u>	
Lewis	Building Service Employees	Waxer	\$11.50		<u>1</u>	
Lewis	Building Service Employees	Window Cleaner	\$13.22		<u>1</u>	
Lewis	Cabinet Makers (In Shop)	Journey Level	\$23.17		<u>1</u>	
Lewis	Carpenters	Acoustical Worker	\$57.18	<u>5D</u>	<u>4C</u>	
Lewis	Carpenters	Bridge, Dock And Wharf Carpenters	\$57.18	<u>5D</u>	<u>4C</u>	
Lewis	Carpenters	Carpenter	\$57.18	<u>5D</u>	<u>4C</u>	
Lewis	Carpenters	Carpenters on Stationary Tools	\$57.31	<u>5D</u>	<u>4C</u>	
Lewis	Carpenters	Creosoted Material	\$57.28	<u>5D</u>	<u>4C</u>	
Lewis	Carpenters	Floor Finisher	\$57.18	<u>5D</u>	<u>4C</u>	
Lewis	Carpenters	Floor Layer	\$57.18	<u>5D</u>	<u>4C</u>	
Lewis	Carpenters	Scaffold Erector	\$57.18	<u>5D</u>	<u>4C</u>	
Lewis	Cement Masons	Journey Level	\$57.21	<u>7A</u>	<u>1M</u>	
Lewis	Divers & Tenders	Bell/Vehicle or Submersible Operator (Not Under Pressure)	\$110.54	<u>5D</u>	<u>4C</u>	
Lewis	Divers & Tenders	Dive Supervisor/Master	\$72.97	<u>5D</u>	<u>4C</u>	
Lewis	Divers & Tenders	Diver	\$110.54	<u>5D</u>	<u>4C</u>	<u>8V</u>
Lewis	Divers & Tenders	Diver On Standby	\$67.97	<u>5D</u>	<u>4C</u>	
Lewis	Divers & Tenders	Diver Tender	\$61.65	<u>5D</u>	<u>4C</u>	
Lewis	Divers & Tenders	Manifold Operator	\$61.65	<u>5D</u>	<u>4C</u>	
Lewis	Divers & Tenders	Manifold Operator Mixed Gas	\$66.65	<u>5D</u>	<u>4C</u>	
Lewis	Divers & Tenders	Remote Operated Vehicle	\$61.65	<u>5D</u>	<u>4C</u>	

		Operator/Technician				
Lewis	Divers & Tenders	Remote Operated Vehicle Tender	\$57.43	<u>5A</u>	<u>4C</u>	
Lewis	Dredge Workers	Assistant Engineer	\$56.44	<u>5D</u>	<u>3F</u>	
Lewis	Dredge Workers	Assistant Mate (Deckhand)	\$56.00	<u>5D</u>	<u>3F</u>	
Lewis	Dredge Workers	Boatmen	\$56.44	<u>5D</u>	<u>3F</u>	
Lewis	Dredge Workers	Engineer Welder	\$57.51	<u>5D</u>	<u>3F</u>	
Lewis	Dredge Workers	Leverman, Hydraulic	\$58.67	<u>5D</u>	<u>3F</u>	
Lewis	Dredge Workers	Mates	\$56.44	<u>5D</u>	<u>3F</u>	
Lewis	Dredge Workers	Oiler	\$56.00	<u>5D</u>	<u>3F</u>	
Lewis	Drywall Applicator	Journey Level	\$56.78	<u>5D</u>	<u>1H</u>	
Lewis	Drywall Tapers	Journey Level	\$23.26		<u>1</u>	
Lewis	Electrical Fixture Maintenance Workers	Journey Level	\$11.50		<u>1</u>	
Lewis	Electricians - Inside	Cable Splicer	\$68.47	<u>5C</u>	<u>1G</u>	
Lewis	Electricians - Inside	Journey Level	\$64.26	<u>5C</u>	<u>1G</u>	
Lewis	Electricians - Inside	Lead Covered Cable Splicer	\$72.67	<u>5C</u>	<u>1G</u>	
Lewis	Electricians - Inside	Welder	\$68.47	<u>5C</u>	<u>1G</u>	
Lewis	Electricians - Motor Shop	Craftsman	\$15.37		<u>1</u>	
Lewis	Electricians - Motor Shop	Journey Level	\$14.69		<u>1</u>	
Lewis	Electricians - Powerline Construction	Cable Splicer	\$79.43	<u>5A</u>	<u>4D</u>	
Lewis	Electricians - Powerline Construction	Certified Line Welder	\$69.75	<u>5A</u>	<u>4D</u>	
Lewis	Electricians - Powerline Construction	Groundperson	\$46.28	<u>5A</u>	<u>4D</u>	
Lewis	Electricians - Powerline Construction	Heavy Line Equipment Operator	\$69.75	<u>5A</u>	<u>4D</u>	
Lewis	Electricians - Powerline Construction	Journey Level Lineperson	\$69.75	<u>5A</u>	<u>4D</u>	
Lewis	Electricians - Powerline Construction	Line Equipment Operator	\$59.01	<u>5A</u>	<u>4D</u>	
Lewis	Electricians - Powerline Construction	Meter Installer	\$46.28	<u>5A</u>	<u>4D</u>	<u>8W</u>
Lewis	Electricians - Powerline Construction	Pole Sprayer	\$69.75	<u>5A</u>	<u>4D</u>	
Lewis	Electricians - Powerline Construction	Powderperson	\$52.20	<u>5A</u>	<u>4D</u>	
Lewis	Electronic Technicians	Journey Level	\$28.46		<u>1</u>	
Lewis	Elevator Constructors	Mechanic	\$91.24	<u>7D</u>	<u>4A</u>	
Lewis	Elevator Constructors	Mechanic In Charge	\$98.51	<u>7D</u>	<u>4A</u>	
Lewis	Fabricated Precast Concrete Products	Journey Level - In-Factory Work Only	\$13.50		<u>1</u>	
Lewis	Fence Erectors	Fence Erector	\$13.80		<u>1</u>	
Lewis	Fence Erectors	Fence Laborer	\$11.60		<u>1</u>	
Lewis	Flaggers	Journey Level	\$39.48	<u>7A</u>	<u>3I</u>	
Lewis	Glaziers	Journey Level	\$23.50		<u>1</u>	
Lewis	Heat & Frost Insulators And Asbestos Workers	Journeyman	\$67.93	<u>5J</u>	<u>4H</u>	
Lewis	Heating Equipment Mechanics	Journey Level	\$78.17	<u>7E</u>	<u>1E</u>	

Lewis	Hod Carriers & Mason Tenders	Journey Level	\$48.02	<u>7A</u>	<u>3I</u>
Lewis	Industrial Power Vacuum Cleaner	Journey Level	\$11.50		<u>1</u>
Lewis	Inland Boatmen	Boat Operator	\$61.41	<u>5B</u>	<u>1K</u>
Lewis	Inland Boatmen	Cook	\$56.48	<u>5B</u>	<u>1K</u>
Lewis	Inland Boatmen	Deckhand	\$57.48	<u>5B</u>	<u>1K</u>
Lewis	Inland Boatmen	Deckhand Engineer	\$58.81	<u>5B</u>	<u>1K</u>
Lewis	Inland Boatmen	Launch Operator	\$58.89	<u>5B</u>	<u>1K</u>
Lewis	Inland Boatmen	Mate	\$57.31	<u>5B</u>	<u>1K</u>
Lewis	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Cleaner Operator, Foamer Operator	\$11.50		<u>1</u>
Lewis	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Grout Truck Operator	\$11.50		<u>1</u>
Lewis	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Head Operator	\$12.78		<u>1</u>
Lewis	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Technician	\$11.50		<u>1</u>
Lewis	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Tv Truck Operator	\$11.50		<u>1</u>
Lewis	Insulation Applicators	Journey Level	\$57.18	<u>5D</u>	<u>4C</u>
Lewis	Ironworkers	Journeyman	\$67.88	<u>7N</u>	<u>1O</u>
Lewis	Laborers	Air, Gas Or Electric Vibrating Screed	\$46.57	<u>7A</u>	<u>3I</u>
Lewis	Laborers	Airtrac Drill Operator	\$48.02	<u>7A</u>	<u>3I</u>
Lewis	Laborers	Ballast Regular Machine	\$46.57	<u>7A</u>	<u>3I</u>
Lewis	Laborers	Batch Weighman	\$39.48	<u>7A</u>	<u>3I</u>
Lewis	Laborers	Brick Pavers	\$46.57	<u>7A</u>	<u>3I</u>
Lewis	Laborers	Brush Cutter	\$46.57	<u>7A</u>	<u>3I</u>
Lewis	Laborers	Brush Hog Feeder	\$46.57	<u>7A</u>	<u>3I</u>
Lewis	Laborers	Burner	\$46.57	<u>7A</u>	<u>3I</u>
Lewis	Laborers	Caisson Worker	\$48.02	<u>7A</u>	<u>3I</u>
Lewis	Laborers	Carpenter Tender	\$46.57	<u>7A</u>	<u>3I</u>
Lewis	Laborers	Caulker	\$46.57	<u>7A</u>	<u>3I</u>
Lewis	Laborers	Cement Dumper-paving	\$47.44	<u>7A</u>	<u>3I</u>
Lewis	Laborers	Cement Finisher Tender	\$46.57	<u>7A</u>	<u>3I</u>
Lewis	Laborers	Change House Or Dry Shack	\$46.57	<u>7A</u>	<u>3I</u>
Lewis	Laborers	Chipping Gun (under 30 Lbs.)	\$46.57	<u>7A</u>	<u>3I</u>
Lewis	Laborers	Chipping Gun(30 Lbs. And Over)	\$47.44	<u>7A</u>	<u>3I</u>
Lewis	Laborers	Choker Setter	\$46.57	<u>7A</u>	<u>3I</u>
Lewis	Laborers	Chuck Tender	\$46.57	<u>7A</u>	<u>3I</u>
Lewis	Laborers	Clary Power Spreader	\$47.44	<u>7A</u>	<u>3I</u>
Lewis	Laborers	Clean-up Laborer	\$46.57	<u>7A</u>	<u>3I</u>
Lewis	Laborers	Concrete Dumper/chute Operator	\$47.44	<u>7A</u>	<u>3I</u>

Lewis	Laborers	Concrete Form Stripper	\$46.57	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Concrete Placement Crew	\$47.44	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Concrete Saw Operator/core Driller	\$47.44	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Crusher Feeder	\$39.48	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Curing Laborer	\$46.57	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Demolition: Wrecking & Moving (incl. Charred Material)	\$46.57	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Ditch Digger	\$46.57	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Diver	\$48.02	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Drill Operator (hydraulic,diamond)	\$47.44	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Dry Stack Walls	\$46.57	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Dump Person	\$46.57	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Epoxy Technician	\$46.57	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Erosion Control Worker	\$46.57	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Faller & Bucker Chain Saw	\$47.44	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Fine Graders	\$46.57	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Firewatch	\$39.48	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Form Setter	\$46.57	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Gabian Basket Builders	\$46.57	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	General Laborer	\$46.57	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Grade Checker & Transit Person	\$48.02	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Grinders	\$46.57	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Grout Machine Tender	\$46.57	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Groutmen (pressure)including Post Tension Beams	\$47.44	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Guardrail Erector	\$46.57	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Hazardous Waste Worker (level A)	\$48.02	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Hazardous Waste Worker (level B)	\$47.44	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Hazardous Waste Worker (level C)	\$46.57	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	High Scaler	\$48.02	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Jackhammer	\$47.44	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Laserbeam Operator	\$47.44	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Maintenance Person	\$46.57	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Manhole Builder-mudman	\$47.44	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Material Yard Person	\$46.57	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Motorman-dinky Locomotive	\$47.44	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Nozzleman (concrete Pump, Green Cutter When Using Combination Of High Pressure Air & Water On Concrete & Rock, Sandblast, Gunite, Shotcrete, Water Bla	\$47.44	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Pavement Breaker	\$47.44	<u>7A</u>	<u>3I</u>	

Lewis	Laborers	Pilot Car	\$39.48	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Pipe Layer Lead	\$48.02	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Pipe Layer/tailor	\$47.44	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Pipe Pot Tender	\$47.44	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Pipe Reliner	\$47.44	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Pipe Wrapper	\$47.44	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Pot Tender	\$46.57	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Powderman	\$48.02	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Powderman's Helper	\$46.57	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Power Jacks	\$47.44	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Railroad Spike Puller - Power	\$47.44	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Raker - Asphalt	\$48.02	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Re-timberman	\$48.02	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Remote Equipment Operator	\$47.44	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Rigger/signal Person	\$47.44	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Rip Rap Person	\$46.57	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Rivet Buster	\$47.44	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Rodder	\$47.44	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Scaffold Erector	\$46.57	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Scale Person	\$46.57	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Sloper (over 20")	\$47.44	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Sloper Sprayer	\$46.57	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Spreader (concrete)	\$47.44	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Stake Hopper	\$46.57	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Stock Piler	\$46.57	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Tamper & Similar Electric, Air & Gas Operated Tools	\$47.44	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Tamper (multiple & Self-propelled)	\$47.44	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Timber Person - Sewer (lagger, Shorer & Cribber)	\$47.44	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Toolroom Person (at Jobsite)	\$46.57	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Topper	\$46.57	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Track Laborer	\$46.57	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Track Liner (power)	\$47.44	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Traffic Control Laborer	\$42.22	<u>7A</u>	<u>3I</u>	<u>8R</u>
Lewis	Laborers	Traffic Control Supervisor	\$42.22	<u>7A</u>	<u>3I</u>	<u>8R</u>
Lewis	Laborers	Truck Spotter	\$46.57	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Tugger Operator	\$47.44	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Tunnel Work-Compressed Air Worker 0-30 psi	\$92.60	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Lewis	Laborers	Tunnel Work-Compressed Air Worker 30.01-44.00 psi	\$97.63	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Lewis	Laborers	Tunnel Work-Compressed Air Worker 44.01-54.00 psi	\$101.31	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Lewis	Laborers	Tunnel Work-Compressed Air Worker 54.01-60.00 psi	\$107.01	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Lewis	Laborers	Tunnel Work-Compressed Air	\$109.13	<u>7A</u>	<u>3I</u>	<u>8Q</u>

		Worker 60.01-64.00 psi				
Lewis	Laborers	Tunnel Work-Compressed Air Worker 64.01-68.00 psi	\$114.23	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Lewis	Laborers	Tunnel Work-Compressed Air Worker 68.01-70.00 psi	\$116.13	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Lewis	Laborers	Tunnel Work-Compressed Air Worker 70.01-72.00 psi	\$118.13	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Lewis	Laborers	Tunnel Work-Compressed Air Worker 72.01-74.00 psi	\$120.13	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Lewis	Laborers	Tunnel Work-Guage and Lock Tender	\$48.12	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Lewis	Laborers	Tunnel Work-Miner	\$48.12	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Lewis	Laborers	Vibrator	\$47.44	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Vinyl Seamer	\$46.57	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Watchman	\$35.88	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Welder	\$47.44	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Well Point Laborer	\$47.44	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Window Washer/cleaner	\$35.88	<u>7A</u>	<u>3I</u>	
Lewis	Laborers - Underground Sewer & Water	General Laborer & Topman	\$46.57	<u>7A</u>	<u>3I</u>	
Lewis	Laborers - Underground Sewer & Water	Pipe Layer	\$47.44	<u>7A</u>	<u>3I</u>	
Lewis	Landscape Construction	Irrigation Or Lawn Sprinkler Installers	\$11.50		<u>1</u>	
Lewis	Landscape Construction	Landscape Equipment Operators Or Truck Drivers	\$11.50		<u>1</u>	
Lewis	Landscape Construction	Landscaping Or Planting Laborers	\$11.50		<u>1</u>	
Lewis	Lathers	Journey Level	\$56.78	<u>5D</u>	<u>1H</u>	
Lewis	Marble Setters	Journey Level	\$55.82	<u>5A</u>	<u>1M</u>	
Lewis	Metal Fabrication (In Shop)	Fitter	\$15.16		<u>1</u>	
Lewis	Metal Fabrication (In Shop)	Laborer	\$11.50		<u>1</u>	
Lewis	Metal Fabrication (In Shop)	Machine Operator	\$11.50		<u>1</u>	
Lewis	Metal Fabrication (In Shop)	Painter	\$11.50		<u>1</u>	
Lewis	Metal Fabrication (In Shop)	Welder	\$15.16		<u>1</u>	
Lewis	Millwright	Journey Level	\$58.68	<u>5D</u>	<u>4C</u>	
Lewis	Modular Buildings	Cabinet Assembly	\$11.50		<u>1</u>	
Lewis	Modular Buildings	Electrician	\$11.50		<u>1</u>	
Lewis	Modular Buildings	Equipment Maintenance	\$11.50		<u>1</u>	
Lewis	Modular Buildings	Plumber	\$11.50		<u>1</u>	
Lewis	Modular Buildings	Production Worker	\$11.50		<u>1</u>	
Lewis	Modular Buildings	Tool Maintenance	\$11.50		<u>1</u>	
Lewis	Modular Buildings	Utility Person	\$11.50		<u>1</u>	
Lewis	Modular Buildings	Welder	\$11.50		<u>1</u>	
Lewis	Painters	Journey Level	\$41.60	<u>6Z</u>	<u>2B</u>	
Lewis	Pile Driver	Crew Tender	\$52.37	<u>5D</u>	<u>4C</u>	
Lewis	Pile Driver	Hyperbaric Worker - Compressed Air Worker 0-30.00 PSI	\$71.35	<u>5D</u>	<u>4C</u>	

Lewis	Pile Driver	Hyperbaric Worker - Compressed Air Worker 30.01 - 44.00 PSI	\$76.35	<u>5D</u>	<u>4C</u>	
Lewis	Pile Driver	Hyperbaric Worker - Compressed Air Worker 44.01 - 54.00 PSI	\$80.35	<u>5D</u>	<u>4C</u>	
Lewis	Pile Driver	Hyperbaric Worker - Compressed Air Worker 54.01 - 60.00 PSI	\$85.35	<u>5D</u>	<u>4C</u>	
Lewis	Pile Driver	Hyperbaric Worker - Compressed Air Worker 60.01 - 64.00 PSI	\$87.85	<u>5D</u>	<u>4C</u>	
Lewis	Pile Driver	Hyperbaric Worker - Compressed Air Worker 64.01 - 68.00 PSI	\$92.85	<u>5D</u>	<u>4C</u>	
Lewis	Pile Driver	Hyperbaric Worker - Compressed Air Worker 68.01 - 70.00 PSI	\$94.85	<u>5D</u>	<u>4C</u>	
Lewis	Pile Driver	Hyperbaric Worker - Compressed Air Worker 70.01 - 72.00 PSI	\$96.85	<u>5D</u>	<u>4C</u>	
Lewis	Pile Driver	Hyperbaric Worker - Compressed Air Worker 72.01 - 74.00 PSI	\$98.85	<u>5D</u>	<u>4C</u>	
Lewis	Pile Driver	Journey Level	\$57.43	<u>5D</u>	<u>4C</u>	
Lewis	Plasterers	Journey Level	\$54.89	<u>7Q</u>	<u>1R</u>	
Lewis	Playground & Park Equipment Installers	Journey Level	\$11.50		<u>1</u>	
Lewis	Plumbers & Pipefitters	Journey Level	\$67.47	<u>5A</u>	<u>1G</u>	
Lewis	Power Equipment Operators	Asphalt Plant Operator	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Assistant Engineers	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Barrier Machine (zipper)	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Batch Plant Operator: Concrete	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Bobcat	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Brokk - Remote Demolition Equipment	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Brooms	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Bump Cutter	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Cableways	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Chipper	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Compressor	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Over 42m	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Concrete Finish Machine - laser Screed	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>

Lewis	Power Equipment Operators	Conveyors	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Cranes, 100 Tons - 199 Tons, Or 150 Ft Of Boom (including Jib With Attachments)	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Cranes: 20 Tons Through 44 Tons With Attachments	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Cranes: 200 tons to 299 tons, or 250' of boom (including jib with attachments)	\$61.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Cranes: 300 tons and over, or 300' of boom (including jib with attachments)	\$62.33	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Cranes: 45 Tons Through 99 Tons, Under 150' Of Boom (including Jib With Attachments)	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Cranes: A-frame - 10 Tons And Under	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Cranes: Friction 200 tons and over. Tower Cranes: over 250' in height from base to boom.	\$62.33	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Cranes: Friction cranes through 199 tons	\$61.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Cranes: Through 19 Tons With Attachments A-frame Over 10 Tons	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Crusher	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Deck Engineer/deck Winches (power)	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Derricks, On Building Work	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Dozers D-9 & Under	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Drill Oilers: Auger Type, Truck Or Crane Mount	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Drilling Machine	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Elevator And Man-lift: Permanent And Shaft Type	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Forklift: 3000 Lbs And Over With Attachments	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Forklifts: Under 3000 Lbs. With Attachments	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Grade Engineer: Using Blueprints, Cut Sheets, etc.	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Gradechecker/stakeman	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Guardrail punch/Auger	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>

Lewis	Power Equipment Operators	Horizontal/directional Drill Locator	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Horizontal/directional Drill Operator	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Hydralifts/Boom Trucks Over 10 Tons	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Hydralifts/boom Trucks, 10 Tons And Under	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Loader, Overhead 8 Yards. & Over	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Loaders, Overhead Under 6 Yards	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Loaders, Plant Feed	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Loaders: Elevating Type Belt	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Locomotives, All	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Material Transfer Device	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Mechanics, All (Leadmen - \$0.50 Per Hour Over Mechanic)	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Motor patrol graders	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Oil Distributors, Blower Distribution & Mulch Seeding Operator	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Outside Hoists (elevators And Manlifts), Air Tuggers, strato	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Overhead, Bridge Type Crane: 20 Tons Through 44 Tons	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Overhead, Bridge Type: 100 Tons And Over	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Overhead, Bridge Type: 45 Tons Through 99 Tons	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Pavement Breaker	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Pile Driver (other Than Crane Mount)	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Plant Oiler - Asphalt, Crusher	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Posthole Digger, Mechanical	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Power Plant	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Pumps - Water	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Quad 9, HD 41, D10 And Over	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Quick Tower - No Cab, Under 100 Feet In Height Based To Boom	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Rigger And Bellman	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Rigger/Signal Person,	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>

		Bellman (Certified)				
Lewis	Power Equipment Operators	Rollagon	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Roller, Other Than Plant Mix	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Roller, Plant Mix Or Multi-lift Materials	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Roto-mill, Roto-grinder	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Saws - Concrete	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Scraper, Self Propelled Under 45 Yards	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Scrapers - Concrete & Carry All	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Scrapers, Self-propelled: 45 Yards And Over	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Service Engineers - Equipment	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Shotcrete/gunite Equipment	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Shovel , Excavator, Backhoe, Tractors Under 15 Metric Tons.	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Shovel, Excavator, Backhoes: Over 90 Metric Tons	\$61.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Slipform Pavers	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Spreader, Topsider & Screedman	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Subgrader Trimmer	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Tower Bucket Elevators	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Tower crane over 175' through 250' in height, base to boom	\$61.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Tower Crane Up: To 175' In Height, Base To Boom	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Transporters, All Track Or Truck Type	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Trenching Machines	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Truck Crane Oiler/driver - 100 Tons And Over	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Truck Crane Oiler/driver Under 100 Tons	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Truck Mount Portable Conveyor	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Welder	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Wheel Tractors, Farmall Type	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators	Yo Yo Pay Dozer	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>

Lewis	Power Equipment Operators-Underground Sewer & Water	Asphalt Plant Operator	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Assistant Engineers	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Barrier Machine (zipper)	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Batch Plant Operator: Concrete	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Bobcat	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Brokk - Remote Demolition Equipment	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Brooms	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Bump Cutter	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Cableways	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Chipper	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Compressor	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Over 42m	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Concrete Finish Machine - laser Screed	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Conveyors	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Cranes, 100 Tons - 199 Tons, Or 150 Ft Of Boom (including Jib With Attachments)	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Cranes, 200 tons to 299 tons, or 250' of boom (including jib with attachments)	\$61.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Cranes, Over 300 Tons, Or 300' Of Boom Including Jib With Attachments	\$62.33	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Cranes: 20 Tons Through 44 Tons With Attachments	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	cranes: 300 tons and over, or 300' of boom (including jib with attachments)	\$62.33	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Cranes: 45 Tons Through 99 Tons, Under 150' Of Boom (including Jib With Attachments)	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-	Cranes: A-frame - 10 Tons	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>

	Underground Sewer & Water	And Under				
Lewis	Power Equipment Operators- Underground Sewer & Water	Cranes: Friction 200 tons and over. Tower Cranes: over 250' in height from base to boom.	\$62.33	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Cranes: Friction cranes through 199 tons	\$61.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Cranes: Through 19 Tons With Attachments A-frame Over 10 Tons	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Crusher	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Deck Engineer/deck Winches (power)	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Derricks, On Building Work	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Dozers D-9 & Under	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Drill Oilers: Auger Type, Truck Or Crane Mount	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Drilling Machine	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Elevator And Man-lift: Permanent And Shaft Type	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Forklift: 3000 Lbs And Over With Attachments	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Forklifts: Under 3000 Lbs. With Attachments	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Grade Engineer: Using Blueprints, Cut Sheets, etc.	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Gradechecker/stakeman	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Guardrail punch/Auger	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Horizontal/directional Drill Locator	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Horizontal/directional Drill Operator	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Hydralifts/Boom Trucks Over 10 Tons	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Hydralifts/boom Trucks, 10 Tons And Under	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Loader, Overhead 8 Yards. & Over	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-	Loader, Overhead, 6 Yards.	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>

	Underground Sewer & Water	But Not Including 8 Yards				
Lewis	Power Equipment Operators- Underground Sewer & Water	Loaders, Overhead Under 6 Yards	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Loaders, Plant Feed	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Loaders: Elevating Type Belt	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Locomotives, All	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Material Transfer Device	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Mechanics, All (Leadmen - \$0.50 Per Hour Over Mechanic)	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Motor patrol graders	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Oil Distributors, Blower Distribution & Mulch Seeding Operator	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Outside Hoists (elevators And Manlifts), Air Tuggers, strato	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Overhead, Bridge Type Crane: 20 Tons Through 44 Tons	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Overhead, Bridge Type: 100 Tons And Over	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Overhead, Bridge Type: 45 Tons Through 99 Tons	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Pavement Breaker	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Pile Driver (other Than Crane Mount)	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Plant Oiler - Asphalt, Crusher	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Posthole Digger, Mechanical	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Power Plant	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Pumps - Water	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Quad 9, HD 41, D10 And Over	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Quick Tower - No Cab, Under 100 Feet In Height Based To Boom	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators- Underground Sewer & Water	Rigger And Bellman	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-	Rigger/Signal Person,	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>

	Underground Sewer & Water	Bellman (Certified)				
Lewis	Power Equipment Operators-Underground Sewer & Water	Rollagon	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Roller, Other Than Plant Mix	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Roller, Plant Mix Or Multi-lift Materials	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Roto-mill, Roto-grinder	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Saws - Concrete	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Scraper, Self Propelled Under 45 Yards	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Scrapers - Concrete & Carry All	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Scrapers, Self-propelled: 45 Yards And Over	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Service Engineers - Equipment	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Shotcrete/gunite Equipment	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Shovel , Excavator, Backhoe, Tractors Under 15 Metric Tons.	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 90 Metric Tons	\$61.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Slipform Pavers	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Spreader, Topsider & Screedman	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Subgrader Trimmer	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Tower Bucket Elevators	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Tower crane over 175' through 250' in height, base to boom	\$61.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Tower Crane: Up To 175' In Height, Base To Boom	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Transporters, All Track Or Truck Type	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Trenching Machines	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Truck Crane Oiler/driver - 100 Tons And Over	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>

Lewis	Power Equipment Operators-Underground Sewer & Water	Truck Crane Oiler/driver Under 100 Tons	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Truck Mount Portable Conveyor	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Welder	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Wheel Tractors, Farmall Type	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Equipment Operators-Underground Sewer & Water	Yo Yo Pay Dozer	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Power Line Clearance Tree Trimmers	Journey Level In Charge	\$50.02	<u>5A</u>	<u>4A</u>	
Lewis	Power Line Clearance Tree Trimmers	Spray Person	\$47.43	<u>5A</u>	<u>4A</u>	
Lewis	Power Line Clearance Tree Trimmers	Tree Equipment Operator	\$50.02	<u>5A</u>	<u>4A</u>	
Lewis	Power Line Clearance Tree Trimmers	Tree Trimmer	\$44.64	<u>5A</u>	<u>4A</u>	
Lewis	Power Line Clearance Tree Trimmers	Tree Trimmer Groundperson	\$33.67	<u>5A</u>	<u>4A</u>	
Lewis	Refrigeration & Air Conditioning Mechanics	Journey Level	\$23.96		<u>1</u>	
Lewis	Residential Brick Mason	Journey Level	\$17.00		<u>1</u>	
Lewis	Residential Carpenters	Journey Level	\$21.90		<u>1</u>	
Lewis	Residential Cement Masons	Journey Level	\$13.00		<u>1</u>	
Lewis	Residential Drywall Applicators	Journey Level	\$31.73		<u>1</u>	
Lewis	Residential Drywall Tapers	Journey Level	\$18.95		<u>1</u>	
Lewis	Residential Electricians	Journey Level	\$32.28	<u>5A</u>	<u>1B</u>	
Lewis	Residential Glaziers	Journey Level	\$19.66		<u>1</u>	
Lewis	Residential Insulation Applicators	Journey Level	\$15.00		<u>1</u>	
Lewis	Residential Laborers	Journey Level	\$20.32		<u>1</u>	
Lewis	Residential Marble Setters	Journey Level	\$17.00		<u>1</u>	
Lewis	Residential Painters	Journey Level	\$16.50		<u>1</u>	
Lewis	Residential Plumbers & Pipefitters	Journey Level	\$20.40		<u>1</u>	
Lewis	Residential Refrigeration & Air Conditioning Mechanics	Journey Level	\$24.88		<u>1</u>	
Lewis	Residential Sheet Metal Workers	Journey Level (Field or Shop)	\$29.28		<u>1</u>	
Lewis	Residential Soft Floor Layers	Journey Level	\$11.50		<u>1</u>	
Lewis	Residential Sprinkler Fitters (Fire Protection)	Journey Level	\$15.70		<u>1</u>	
Lewis	Residential Stone Masons	Journey Level	\$17.00		<u>1</u>	
Lewis	Residential Terrazzo Workers	Journey Level	\$11.50		<u>1</u>	
Lewis	Residential Terrazzo/Tile Finishers	Journey Level	\$11.50		<u>1</u>	
Lewis	Residential Tile Setters	Journey Level	\$11.50		<u>1</u>	
Lewis	Roofers	Journey Level	\$51.02	<u>5A</u>	<u>3H</u>	
Lewis	Roofers	Using Irritable Bituminous Materials	\$54.02	<u>5A</u>	<u>3H</u>	

Lewis	Sheet Metal Workers	Journey Level (Field or Shop)	\$78.17	<u>7F</u>	<u>1E</u>	
Lewis	Sign Makers & Installers (Electrical)	Journey Level	\$18.04		<u>1</u>	
Lewis	Sign Makers & Installers (Non-Electrical)	Journey Level	\$46.57	<u>7A</u>	<u>3I</u>	
Lewis	Soft Floor Layers	Journey Level	\$22.87		<u>1</u>	
Lewis	Solar Controls For Windows	Journey Level	\$11.50		<u>1</u>	
Lewis	Sprinkler Fitters (Fire Protection)	Journey Level	\$56.81	<u>7J</u>	<u>1R</u>	
Lewis	Stage Rigging Mechanics (Non Structural)	Journey Level	\$13.23		<u>1</u>	
Lewis	Stone Masons	Journey Level	\$55.82	<u>5A</u>	<u>1M</u>	
Lewis	Street And Parking Lot Sweeper Workers	Journey Level	\$16.00		<u>1</u>	
Lewis	Surveyors	All Classifications	\$57.18	<u>5D</u>	<u>4C</u>	
Lewis	Surveyors	Construction Site Surveyor	\$57.18	<u>5D</u>	<u>4C</u>	
Lewis	Telecommunication Technicians	Journey Level	\$31.72		<u>1</u>	
Lewis	Telephone Line Construction - Outside	Cable Splicer	\$40.52	<u>5A</u>	<u>2B</u>	
Lewis	Telephone Line Construction - Outside	Hole Digger/Ground Person	\$22.78	<u>5A</u>	<u>2B</u>	
Lewis	Telephone Line Construction - Outside	Installer (Repairer)	\$38.87	<u>5A</u>	<u>2B</u>	
Lewis	Telephone Line Construction - Outside	Special Aparatus Installer I	\$40.52	<u>5A</u>	<u>2B</u>	
Lewis	Telephone Line Construction - Outside	Special Apparatus Installer II	\$39.73	<u>5A</u>	<u>2B</u>	
Lewis	Telephone Line Construction - Outside	Telephone Equipment Operator (Heavy)	\$40.52	<u>5A</u>	<u>2B</u>	
Lewis	Telephone Line Construction - Outside	Telephone Equipment Operator (Light)	\$37.74	<u>5A</u>	<u>2B</u>	
Lewis	Telephone Line Construction - Outside	Telephone Lineperson	\$37.74	<u>5A</u>	<u>2B</u>	
Lewis	Telephone Line Construction - Outside	Television Groundperson	\$21.60	<u>5A</u>	<u>2B</u>	
Lewis	Telephone Line Construction - Outside	Television Lineperson/Installer	\$28.68	<u>5A</u>	<u>2B</u>	
Lewis	Telephone Line Construction - Outside	Television System Technician	\$34.10	<u>5A</u>	<u>2B</u>	
Lewis	Telephone Line Construction - Outside	Television Technician	\$30.69	<u>5A</u>	<u>2B</u>	
Lewis	Telephone Line Construction - Outside	Tree Trimmer	\$37.74	<u>5A</u>	<u>2B</u>	
Lewis	Terrazzo Workers	Journey Level	\$51.36	<u>5A</u>	<u>1M</u>	
Lewis	Tile Setters	Journey Level	\$21.65		<u>1</u>	
Lewis	Tile, Marble & Terrazzo Finishers	Finisher	\$42.19	<u>5A</u>	<u>1B</u>	
Lewis	Traffic Control Stripers	Journey Level	\$45.43	<u>7A</u>	<u>1K</u>	
Lewis	Truck Drivers	Asphalt Mix Over 16 Yards (W. WA-Joint Council 28)	\$52.70	<u>5D</u>	<u>3A</u>	<u>8L</u>
Lewis	Truck Drivers	Asphalt Mix To 16 Yards (W.	\$51.86	<u>5D</u>	<u>3A</u>	<u>8L</u>

		WA-Joint Council 28)			
Lewis	Truck Drivers	Dump Truck	\$21.08		<u>1</u>
Lewis	Truck Drivers	Dump Truck And Trailer	\$21.08		<u>1</u>
Lewis	Truck Drivers	Other Trucks	\$32.52		<u>1</u>
Lewis	Truck Drivers	Transit Mixer	\$29.67	<u>6l</u>	<u>2H</u>
Lewis	Well Drillers & Irrigation Pump Installers	Irrigation Pump Installer	\$18.18		<u>1</u>
Lewis	Well Drillers & Irrigation Pump Installers	Oiler	\$11.50		<u>1</u>
Lewis	Well Drillers & Irrigation Pump Installers	Well Driller	\$18.00		<u>1</u>

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 3/3/2018 thru 8/30/2018

Overtime Codes

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

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

Overtime Codes Continued

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

Overtime Codes Continued

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

Overtime Codes Continued

3.
 - E. All hours worked Sundays and holidays shall be paid at double the hourly rate of wage. Each week, once 40 hours of straight time work is achieved, then any hours worked over 10 hours per day Monday through Saturday shall be paid at double the hourly wage rate.
 - F. All hours worked on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on paid holidays shall be paid at two and one-half times the hourly rate of wage including holiday pay.
 - H. All work performed on Sundays between March 16th and October 14th and all Holidays shall be compensated for at two (2) times the regular rate of pay. Work performed on Sundays between October 15th and March 15th shall be compensated at one and one half (1-1/2) times the regular rate of pay.
 - I. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. In the event the job is down due to weather conditions during a five day work week (Monday through Friday,) or a four day-ten hour work week (Tuesday through Friday,) 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 hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - J. 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.
4. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
 - A. All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at double the hourly rate of wage. All hours worked on Saturdays, Sundays and holidays shall be paid at double the hourly rate of wage.
 - B. All hours worked over twelve (12) hours per day and all hours worked on holidays shall be paid at double the hourly rate of wage.
 - C. On Monday through Friday, the first four (4) hours of overtime after eight (8) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay, unless a four (4) day ten (10) hour workweek has been established. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, the first two (2) hours of overtime after ten (10) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay. On Saturday, the first twelve (12) hours of work shall be paid at one and one half (1-1/2) times the straight time rate of pay, except that if the job is down on Monday through Friday due to weather conditions or other conditions outside the control of the employer, the first ten (10) hours on Saturday may be worked at the straight time rate of pay. All hours worked over twelve (12) hours in a day and all hours worked on Sunday and Holidays shall be paid at two (2) times the straight time rate of pay.

Overtime Codes Continued

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

EXCEPTION:

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

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

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

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

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

- F. All hours worked between the hours of 6:00 pm and 6:00 am, Monday through Saturday, shall be paid at a premium rate of 20% over the hourly rate of wage. All hours worked on Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.

- G. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

- H. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours worked, except Labor Day, and all hours on Sunday shall be paid at double the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.

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).

Benefit Code Key – Effective 3/3/2018 thru 8/30/2018

Holiday Codes Continued

5. 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).
- T. Paid Holidays: New Year's Day, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, Christmas Day, And The Day Before Or After Christmas (9).
- Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).
6. A. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).
- E. Paid Holidays: New Year's Day, Day Before Or After New Year's Day, Presidents Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and a Half-Day On Christmas Eve Day. (9 1/2).
- G. Paid Holidays: New Year's Day, Martin Luther King Jr. Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and Christmas Eve Day (11).

Benefit Code Key – Effective 3/3/2018 thru 8/30/2018

Holiday Codes Continued

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

Holiday Codes Continued

7. I. Holidays: New Year's Day, President's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Day Before Christmas Day And Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- J. Holidays: New Year's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- K. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- L. Holidays: New Year's Day, Memorial Day, Labor Day, Independence Day, Thanksgiving Day, the Last Work Day before Christmas Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- M. Paid Holidays: New Year's Day, The Day after or before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, And the Day after or before Christmas Day (10). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- N. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. When Christmas falls on a Saturday, the preceding Friday shall be observed as a holiday.
- P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.
- Q. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.
- R. Paid Holidays: New Year's Day, the day after or before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and the day after or before Christmas Day (10). If any of the listed holidays fall on Saturday, the preceding Friday shall be observed as the holiday. If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.
- S. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, Christmas Day, the Day after Christmas, and A Floating Holiday (9). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.

Holiday Codes Continued

- T. Paid Holidays: New Year's Day, the Day after or before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and The Day after or before Christmas Day. (10). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

Note Codes

8. D. Workers working with supplied air on hazmat projects receive an additional \$1.00 per hour.
- L. Workers on hazmat projects receive additional hourly premiums as follows -Level A: \$0.75, Level B: \$0.50, And Level C: \$0.25.
- M. Workers on hazmat projects receive additional hourly premiums as follows: Levels A & B: \$1.00, Levels C & D: \$0.50.
- N. Workers on hazmat projects receive additional hourly premiums as follows -Level A: \$1.00, Level B: \$0.75, Level C: \$0.50, And Level D: \$0.25.
- P. Workers on hazmat projects receive additional hourly premiums as follows -Class A Suit: \$2.00, Class B Suit: \$1.50, Class C Suit: \$1.00, And Class D Suit \$0.50.
- Q. The highest pressure registered on the gauge for an accumulated time of more than fifteen (15) minutes during the shift shall be used in determining the scale paid.
- R. 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.
- S. Effective August 31, 2012 – A Traffic Control Supervisor shall be present on the project whenever flagging or spotting or other traffic control labor is being utilized. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. This classification is only effective on or after August 31, 2012.
- T. Effective August 31, 2012 – A Traffic Control Laborer performs the setup, maintenance and removal of all temporary traffic control devices and construction signs necessary to control vehicular, bicycle, and pedestrian traffic during construction operations. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. This classification is only effective on or after August 31, 2012.

Note Codes Continued

8. 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.

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

Erik P. Martin, 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 11:00 a.m. on **Tuesday, July 31, 2018**, at the Lewis County Courthouse in Chehalis, Washington for the East Lewis County Transfer Station Improvements, Project No. RESWEL.

SEALED BIDS MUST BE DELIVERED BY OR BEFORE 11:00 A.M. on Tuesday, July 31, 2018

(Lewis County official time is displayed on Axxess Intertel phones in the office of the Board of County Commissioners.

Bids submitted after 11:00 AM 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 **11:00 A.M.** on the date specified for opening, and in an envelope clearly marked: **"SEALED BID FOR THE EAST LEWIS COUNTY TRANSFER STATION IMPROVEMENTS, PROJECT NO. RESWEL, TO BE OPENED ON OR AFTER 11:00 A.M. ON TUESDAY, JULY 31, 2018"**.

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

This certifies that the undersigned has examined the location of the East Lewis County Transfer Station Improvements, Project No. RESWEL, 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 DOLLARS CENTS	AMOUNT DOLLARS CENTS
1	1 L.S.	Mobilization	LUMP SUM	\$
2	160 L.F.	Site Demolition	\$	\$
3	150 L.S.	Fabricated Metal Chutes	LUMP SUM	\$
4	80 EA.	2 In. Diam. Holes thru Existing Plate	\$	\$
5	80 EA.	1/2"x 6" Epoxy Anchors	\$	\$
6	70 GAL.	Injected Epoxy Grout	\$	\$
7	160 L.F.	Brush Skirting System	\$	\$
			Sub Total	\$
			Sales Tax @ 7.8%	\$
			TOTAL BID	\$

Failure to return this Declaration as part of the bid proposal package will make the bid nonresponsive and ineligible for award.

NON-COLLUSION DECLARATION

I, by signing the proposal, hereby declare, under penalty of perjury under the laws of the United States that the following statements are true and correct:

1. That the undersigned person(s), firm, association or corporation has (have) not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with the project for which this proposal is submitted.
2. That by signing the signature page of this proposal, I am deemed to have signed and to have agreed to the provisions of this declaration.

NOTICE TO ALL BIDDERS

To report rigging activities call:

1-800-424-9071

The U.S. Department of Transportation (USDOT) operates the above toll-free "hotline" Monday through Friday, 8:00 a.m. to 5:00 p.m., eastern time. Anyone with knowledge of possible bid rigging, bidder collusion, or other fraudulent activities should use the "hotline" to report such activities.

The "hotline" is part of USDOT's continuing effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the USDOT Inspector General. All information will be treated confidentially and caller anonymity will be respected.

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

Erik P. Martin, 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 _____, 2018, 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 to improve the East Lewis County Transfer Station for repair of the waste chutes, by demolishing portions, and replacing with new metal fabrication, epoxy grout, brush skirting system, 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 be 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: _____, 2018

By: _____

Surety

By: _____

Attorney-in-fact

APPROVED AS TO FORM:

JONATHAN 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. **RESWEL** 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 **East Lewis County Transfer Station Improvements** 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. **RESWEL**, between the below-named Contractor and County for the **East Lewis County Transfer Station Improvements**, 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.

(5) If County commences suit and obtains judgment against Surety for recovery hereunder, then Surety, in addition to such judgment, shall pay all costs and attorneys' fees incurred by County in enforcement of County's rights hereunder. The venue for any action arising out of or in connection with this bond shall be in Lewis County, Washington.

(6) No right or action shall accrue on this Bond to or for the use of any person or corporation other than Lewis County, except as herein provided.

(7) No rider, amendment or other document modifies this Bond except as follows, which by this reference is incorporated herein:

SURETY'S QUALIFICATIONS: Every Surety named on this bond must appear on the United States Treasury Department's most current list (Circular 570 as amended or superseded) and be authorized by the Washington State Insurance Commissioner to transact business as a surety in the State of Washington. In addition, the Surety must have a current rating of at least A-:VII in A. M. Best's Key Rating Guide.

INSTRUCTIONS FOR SIGNATURES: This bond must be signed by the president or a vice-president of a corporation; the managing general partner of a partnership; managing joint venturer of a joint venture; manager of a limited liability company or, if no manager has been designated, a member of such LLC; a general partner of a limited liability partnership; or the owner(s) of a sole proprietorship. If the bond is signed by any other representative, the Principal must attach currently-dated, written proof of that signer's authority to bind the Principal, identifying and quoting the provision in the corporate articles of incorporation, bylaws, Board resolution, partnership agreement, certificate of formation, or other document authorizing delegation of signature authority to such signer, and confirmation acceptable to the County that such delegation was in effect on the date the bond was signed. **A NOTARY PUBLIC MUST ACKNOWLEDGE EACH SIGNATURE BELOW.**

FOR THE SURETY:

FOR THE PRINCIPAL:

By _____
(Signature of Attorney-in-Fact)

(Type or print name of Attorney-in-Fact)

(Type or print telephone number for Attorney-in-Fact)

By: _____
(Signature of authorized signer for Contractor)

(Type or print name of signer for Contractor)

(Type or print title of signer for Contractor)

STATE OF _____)
) ss: **ACKNOWLEDGMENT FOR CONTRACTOR**
COUNTY OF _____)
On this ____ day of _____, _____, before me a notary public in and for the State of _____, duly commissioned and sworn, personally appeared _____, the person described in and who executed the foregoing bond, and acknowledged to me that _____ signed and sealed said bond as the free and voluntary act and deed of the Contractor so identified in the foregoing bond for the uses and purposes therein mentioned, and on oath stated that _____ is authorized to execute said bond for the Contractor named therein. WITNESS my hand and official seal hereto affixed the day and year in this certificate first above written.

(Signature of Notary Public) (Print or type name of Notary Public)
Notary Public in and for the State of _____ residing at _____
My commission expires _____ **SEAL →**

STATE OF _____)
) ss: **ACKNOWLEDGMENT FOR SURETY**
COUNTY OF _____)
On this ____ day of _____, _____, before me a notary public in and for the State of _____, duly commissioned and sworn, personally appeared _____, Attorney-in-Fact for the Surety that executed the foregoing bond, and acknowledged said bond to be the free and voluntary act and deed of the Surety for the uses and purposes therein mentioned, and on oath stated that _____ is authorized to execute said bond on behalf of the Surety, and that the seal affixed on said bond or the annexed Power of Attorney is the corporate seal of said Surety. WITNESS my hand and official seal hereto affixed the day and year in this certificate first above written.

(Signature of Notary Public) (Print or type name of Notary Public)
Notary Public in and for the State of _____ residing at _____
My commission expires _____ **SEAL →**

POWER EQUIPMENT LIST

The undersigned furthermore certifies that he/she is thoroughly aware that time is of the essence for the completion of this contract within the time specified in the special provisions, and hereby agrees to provide the Engineer a list of his power equipment to be used on this project.

This equipment list will be used in computing any Force Account that may be performed within this contract.

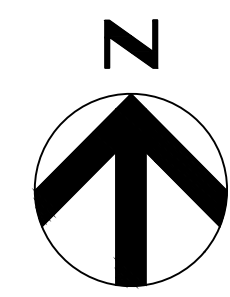
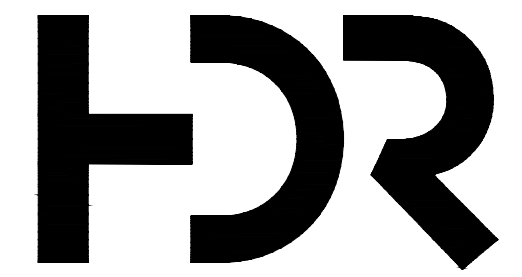
The Contractor must complete this form in its entirety.

POWER EQUIPMENT

Type of Equipment	Make	Model Number	Serial Number	* Capacity	Year Built

APPENDIX D

CONTRACT PLANS



VICINITY MAP



LOCATION MAP

Contract Drawings For

East Lewis Co. Transfer Station

Transfer Station Improvements Issued for Construction

Project No.
10059672

Morton, Lewis County, Washington
March, 2018

INDEX OF DRAWINGS

<u>GENERAL</u>	
G-001	COVER SHEET
<u>STRUCTURAL</u>	
S-001	GENERAL NOTES
S-002	WASTE CHUTE - EXISTING CONDITIONS AND DEMOLITION - PARTIAL PLAN, SECTION, & DETAILS
S-003	WASTE CHUTE - REPAIRS - SECTION AND DETAILS

GENERAL

UNLESS NOTED OTHERWISE (UNO):

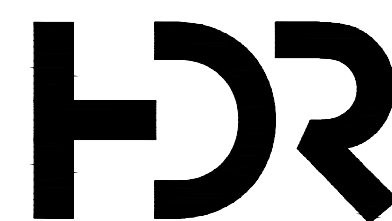
- G1. **SCOPE**
THE NOTES ON THIS SHEET AND THE STANDARD STRUCTURAL DETAILS ARE GENERAL AND APPLY TO THE ENTIRE PROJECT WHETHER SPECIFICALLY CALLED OUT OR NOT, EXCEPT WHERE THERE ARE SPECIFIC INDICATIONS TO THE CONTRARY ON STRUCTURAL SHEETS. IF THERE ARE QUESTIONS, THEY SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER AND ANSWERED IN WRITING PRIOR TO CONSTRUCTION.
- G2. **APPLICABLE SPECIFICATIONS AND CODES**
 - A. 2015 INTERNATIONAL BUILDING CODE (IBC) WITH WASHINGTON STATE AMENDMENTS.
 - B. ASCE 7-10, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
 - C. ACI 318-14, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
 - D. AISC STEEL CONSTRUCTION MANUAL, 14TH EDITION
- G5. **SAFETY**
SAFETY AND STRUCTURE STABILITY DURING CONSTRUCTION ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. STRUCTURES HAVE BEEN DESIGNED TO RESIST THE DESIGN LOADS ONLY AS A COMPLETED STRUCTURE.
- G6. **DIMENSIONS**
STRUCTURAL DIMENSIONS CONTROLLED BY OR RELATED TO MECHANICAL OR ELECTRICAL EQUIPMENT SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- G7. **STANDARD DETAILS**
THE STANDARD DETAILS DEPICT TYPICAL DETAILING TO BE USED ON THIS PROJECT. IF CONDITIONS ARE NOT EXPLICITLY SHOWN ON THE DRAWINGS THEY SHALL BE MADE SIMILAR TO THE STANDARD DETAILS. OBTAIN APPROVAL OF ENGINEER IN WRITING FOR SIMILAR CONDITIONS PRIOR TO CONSTRUCTION.
- G8. **EXISTING CONSTRUCTION**
THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS OF EXISTING CONSTRUCTION AS REQUIRED TO COORDINATE NEW CONSTRUCTION. SUBMIT REQUIRED CHANGES FOR APPROVAL.
- G9. **EQUIPMENT LOADING**
CONTRACTOR TO SUBMIT FOR REVIEW ALL EQUIPMENT SIZES, OPERATING WEIGHTS, VIBRATION FORCES, SUPPORT LOCATIONS, ALONG WITH ANY FLOOR OPENINGS, NOTCHES, AND RECESSES REQUIRED BY SUCH EQUIPMENT. CONCRETE SUPPORT PADS AND/OR FRAMING REQUIRED TO SUPPORT SAID EQUIPMENT SHALL NOT BE FABRICATED AND PLACED UNTIL THE CONCRETE SUPPORT PADS AND/OR FRAMING IS APPROVED TO SUPPORT THE EQUIPMENT.
- G10. **CONFLICTS**
IF THERE ARE CONFLICTS IN THE CONTRACT DOCUMENTS, THE MOST STRINGENT REQUIREMENTS SHALL CONTROL FOR BID PURPOSES. SUBMIT QUESTIONS IN WRITING TO ENGINEER FOR CLARIFICATION PRIOR TO CONSTRUCTION.

STEEL

UNLESS NOTED OTHERWISE:

- S1. **DESIGN STRENGTHS:**
 - WIDE FLANGE AND TEES: Fy=50 KSI
 - HSS SECTIONS: Fy=46 KSI
 - STAINLESS STEEL: Fy=33 KSI
 - ALL OTHER PLATES AND SHAPES: Fy=36 KSI
- S2. **DIMENSIONS:**
TO CENTERLINES OF COLUMNS AND BEAMS, TOP SURFACES OF BEAMS AND TUBES AND BACKS OF CHANNELS AND ANGLES.
- S3. **ELEVATIONS:**
TOP OF STEEL REFERS TO TOP SURFACE OF MEMBER OR FLANGE, UNO.
- S4. WELDING SHALL CONFORM TO AWS CODE FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION. WELDER SHALL BE CERTIFIED. WELDING ELECTRODE SHALL BE E70XX.
- S5. WHEN FILLET WELD SIZE IS NOT INDICATED, PROVIDE MAXIMUM WELD SIZE BASED ON MATERIAL THICKNESS IN ACCORDANCE WITH AISC SPECIFICATIONS.
- S6. BOLTS FOR STRUCTURAL STEEL CONNECTIONS SHALL BE HIGH STRENGTH CONFORMING TO ASTM A325. UNLESS OTHERWISE NOTED, INSTALLATION OF BOLTS SHALL CONFORM TO AISC SPECIFICATIONS FOR STRUCTURAL JOINTS, USING A325 BOLTS.
- S7. ALL BOLTED STRUCTURAL CONNECTIONS ARE BEARING TYPE CONNECTIONS UNLESS OTHERWISE SPECIFIED TO BE SLIP-CRITICAL. PROVIDE LOAD INDICATING WASHERS AT SLIP-CRITICAL CONNECTIONS.
- S8. CONFORM TO AISC 14 EDITION STEEL CONSTRUCTION MANUAL.

D
C
B
A



ISSUE	DATE	DESCRIPTION
0	03/30/2018	ISSUED FOR CONSTRUCTION


PROJECT MANAGER	OLIVIA WILLIAMS
DESIGNED BY	C. GIPSON
DRAFTED BY	R. MUNRO
CHECKED BY	D. ZAHLLER
PROJECT NUMBER	10059672

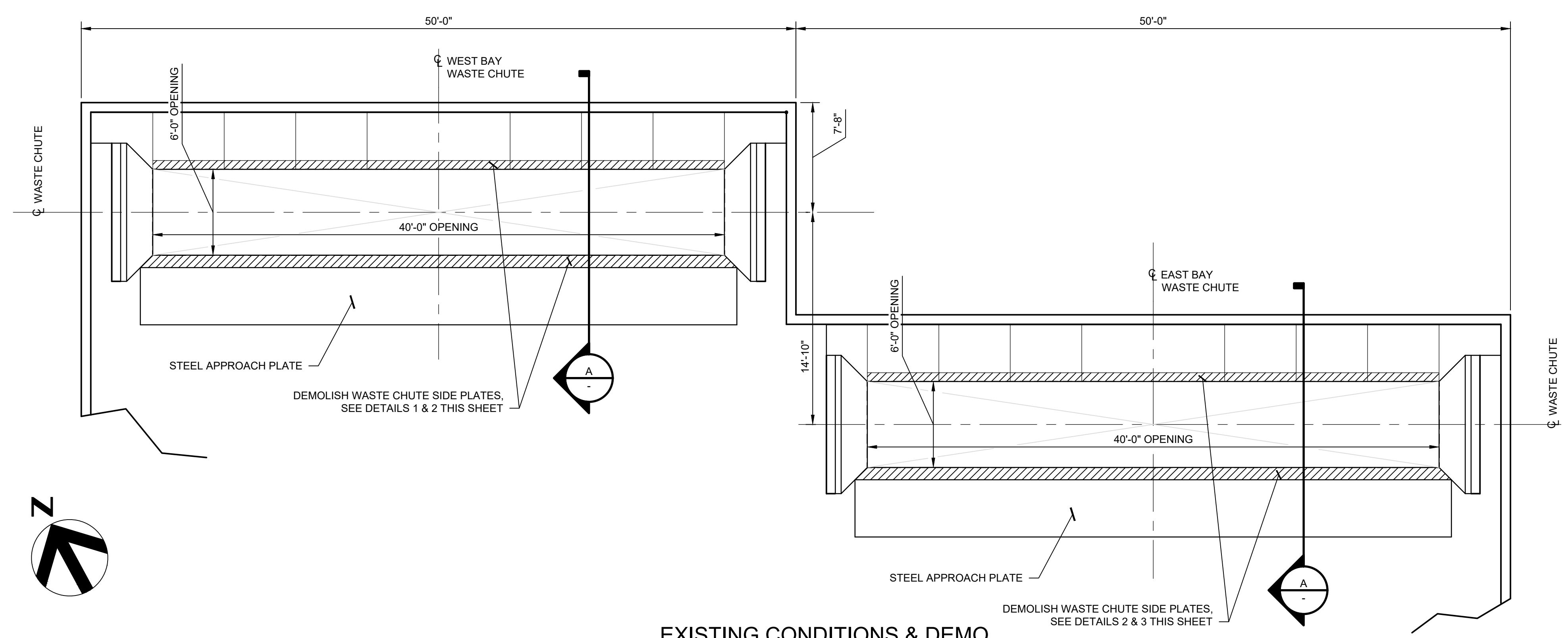



LEWIS COUNTY
 - est. 1853 -

LEWIS COUNTY SOLID WASTE DEPARTMENT
EASTERN LEWIS CO. TRANSFER STATION IMPROVEMENTS
MORTON, WASHINGTON

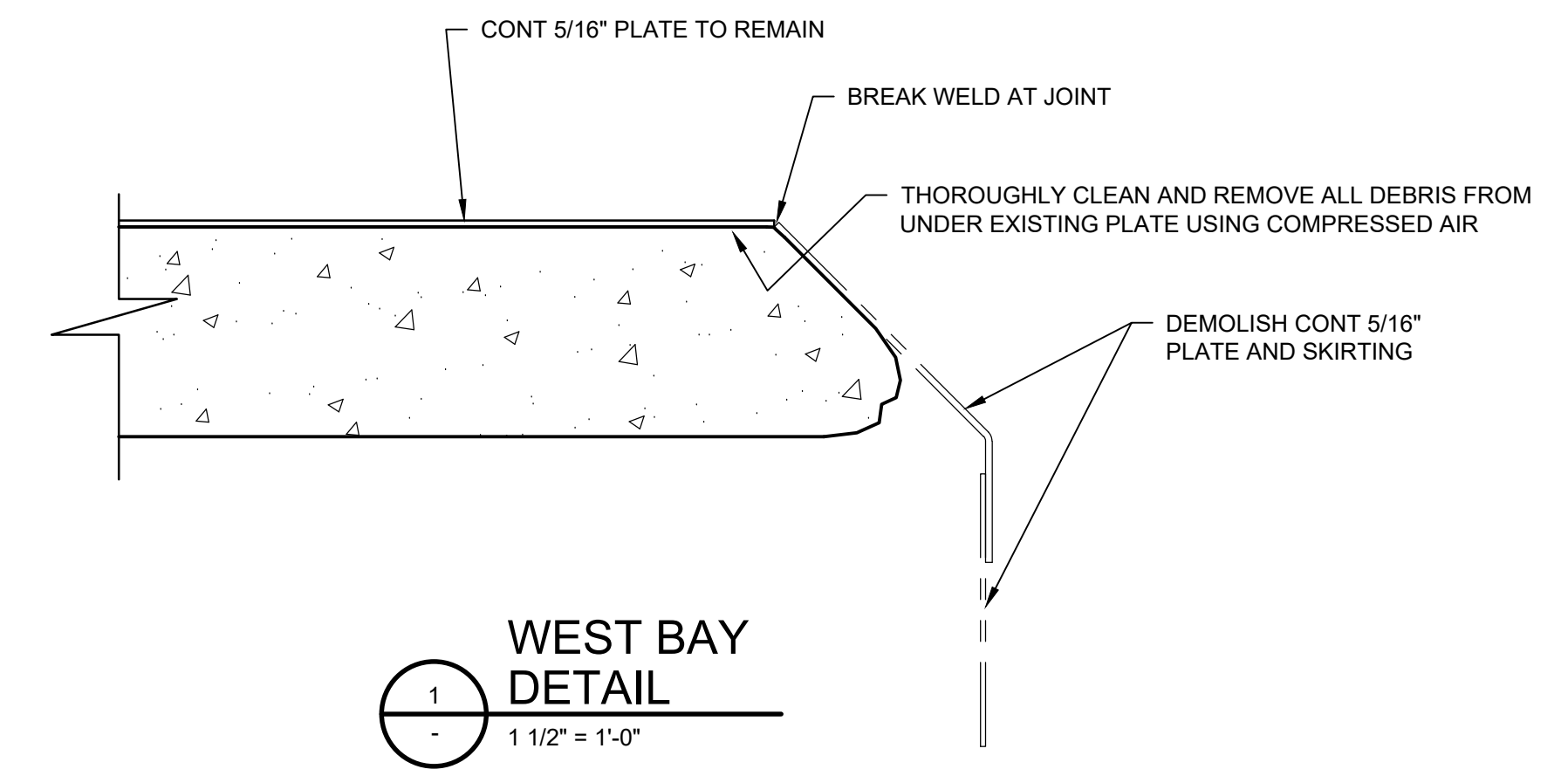
STRUCTURAL GENERAL NOTES


 FILENAME | S-001.dwg
 SCALE | N/A
 SHEET | **S-001**

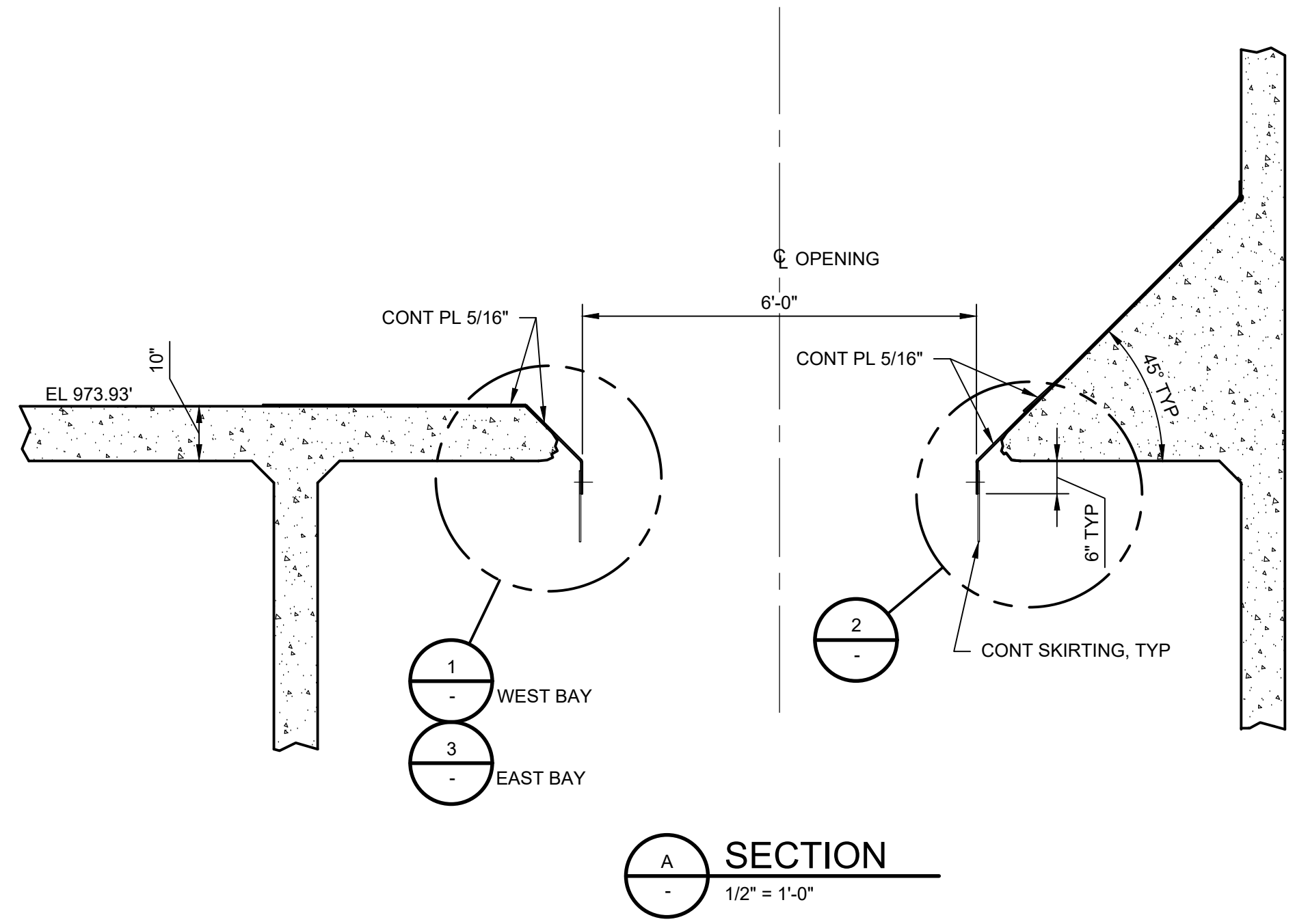


**EXISTING CONDITIONS & DEMO
WASTE CHUTE AREA - PARTIAL PLAN**
3/16" = 1'-0"

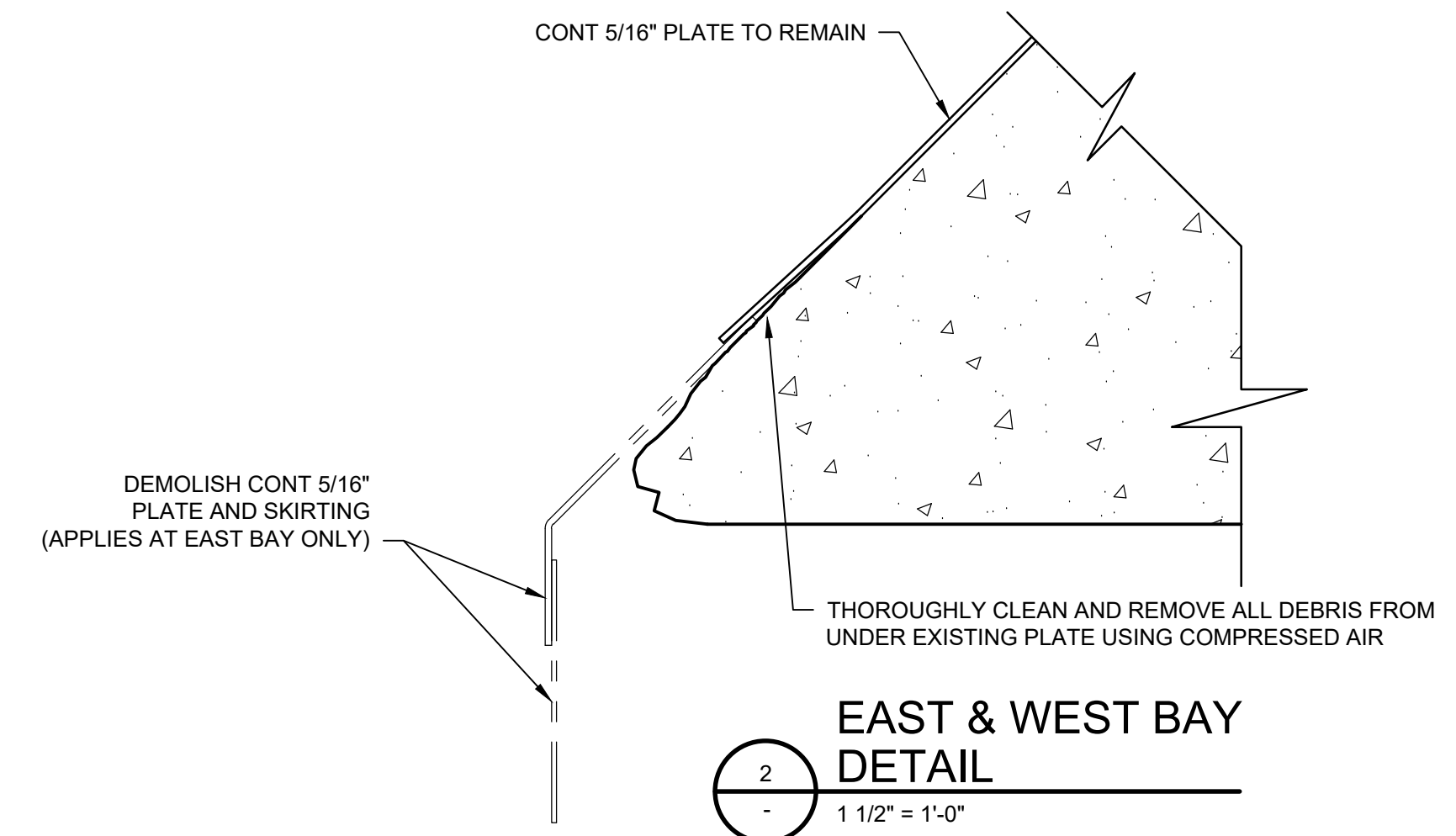
NOTES:
1. SEE DRAWING S-001 FOR GENERAL NOTES.



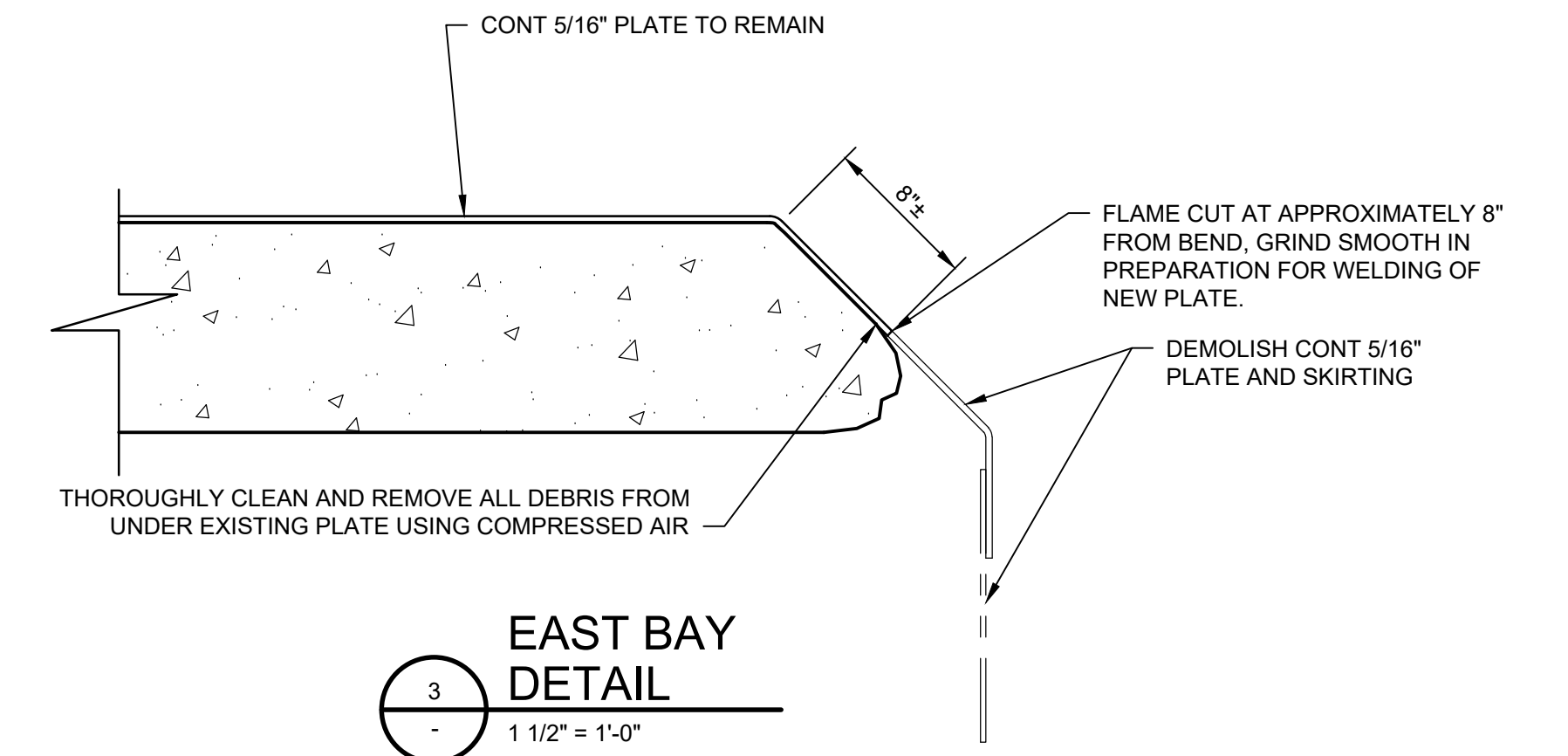
**WEST BAY
DETAIL**
1
1 1/2" = 1'-0"



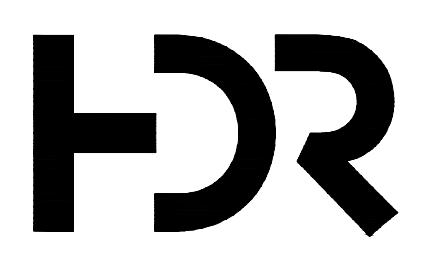
SECTION
A
1/2" = 1'-0"



**EAST & WEST BAY
DETAIL**
2
1 1/2" = 1'-0"



**EAST BAY
DETAIL**
3
1 1/2" = 1'-0"



ISSUE	DATE	DESCRIPTION
0	03/30/2018	ISSUED FOR CONSTRUCTION

PROJECT MANAGER	OLIVIA WILLIAMS
DESIGNED BY	C. GIPSON
DRAFTED BY	R. MUNRO
CHECKED BY	D. ZAHLLER
PROJECT NUMBER	10059672



LEWIS COUNTY
— est. 1813 —

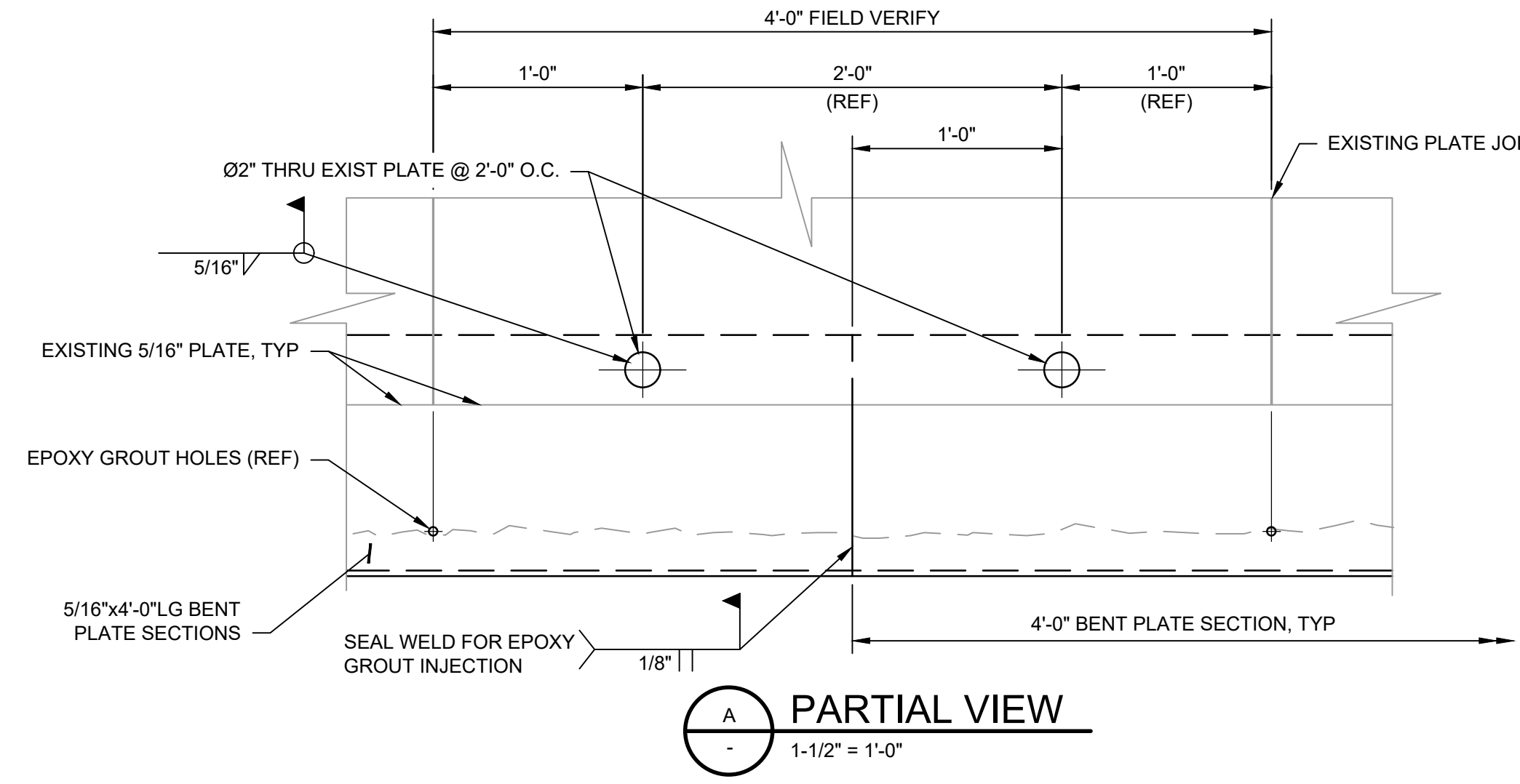
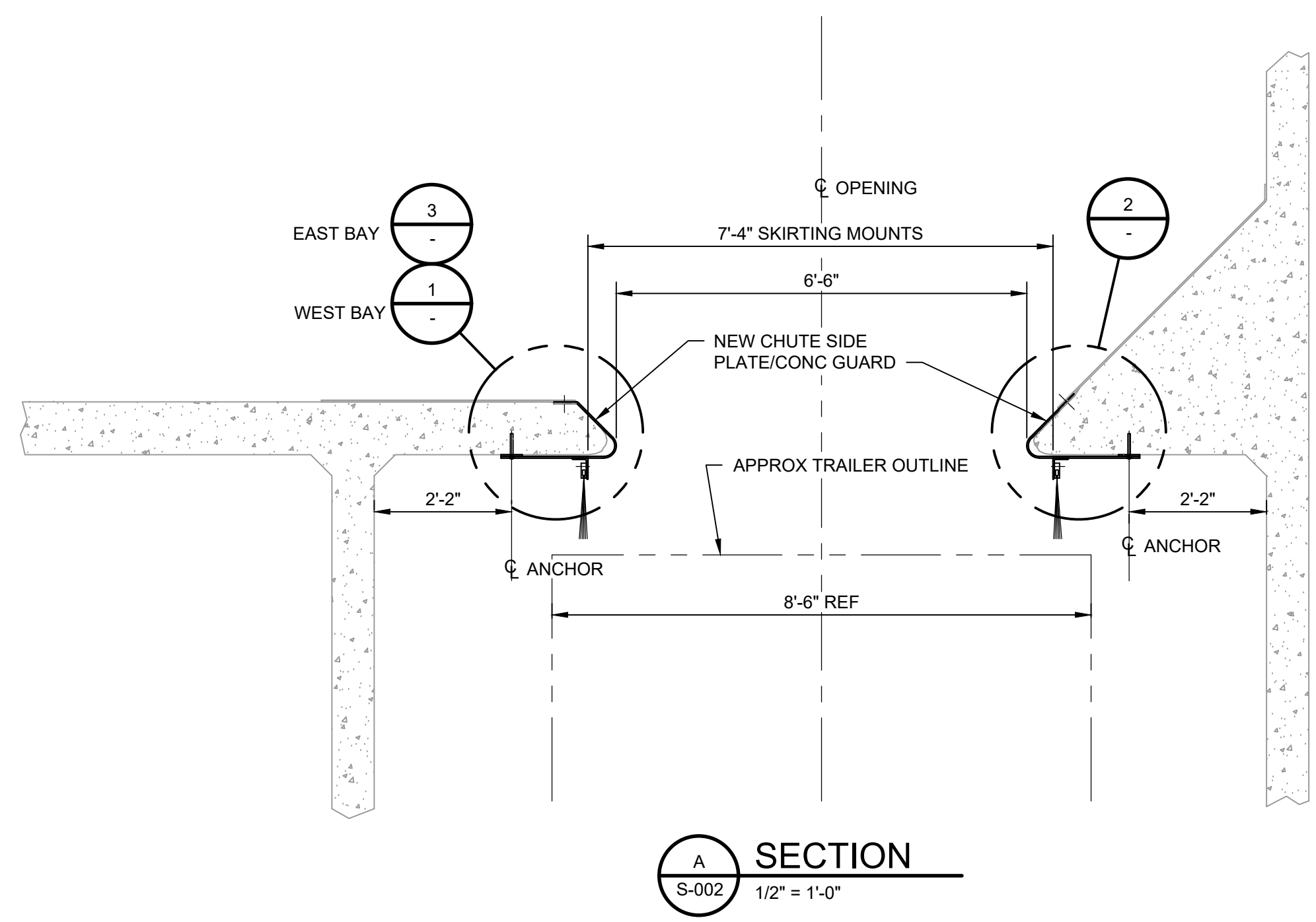
LEWIS COUNTY SOLID WASTE DEPARTMENT
EASTERN LEWIS CO. TRANSFER STATION IMPROVEMENTS
MORTON, WASHINGTON

**STRUCTURAL
WASTE CHUTE
EXISTING CONDITIONS & DEMOLITION
PARTIAL PLAN, SECTION, AND DETAILS**

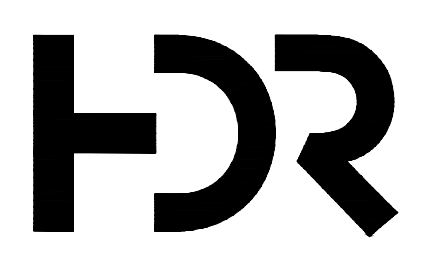
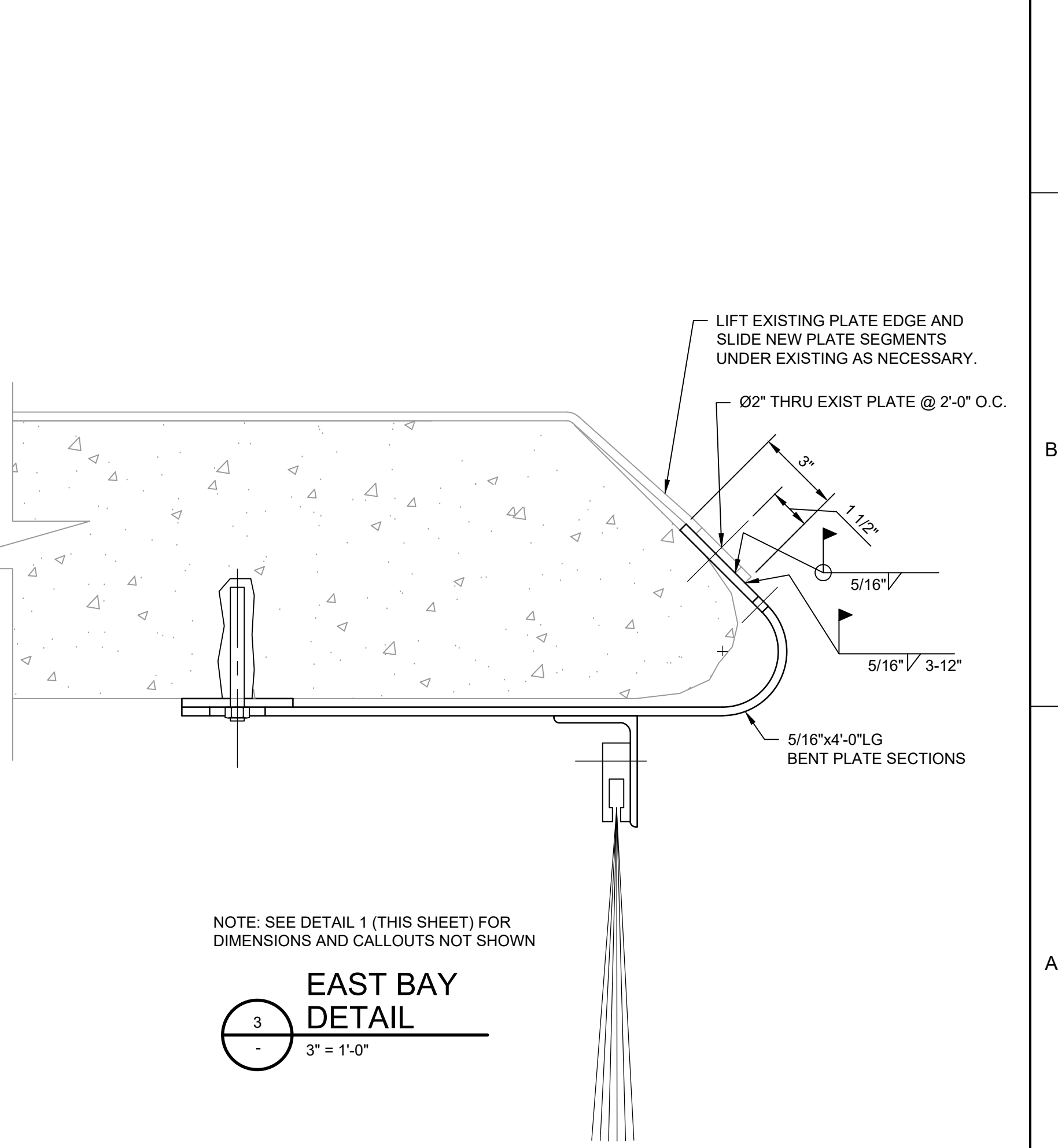
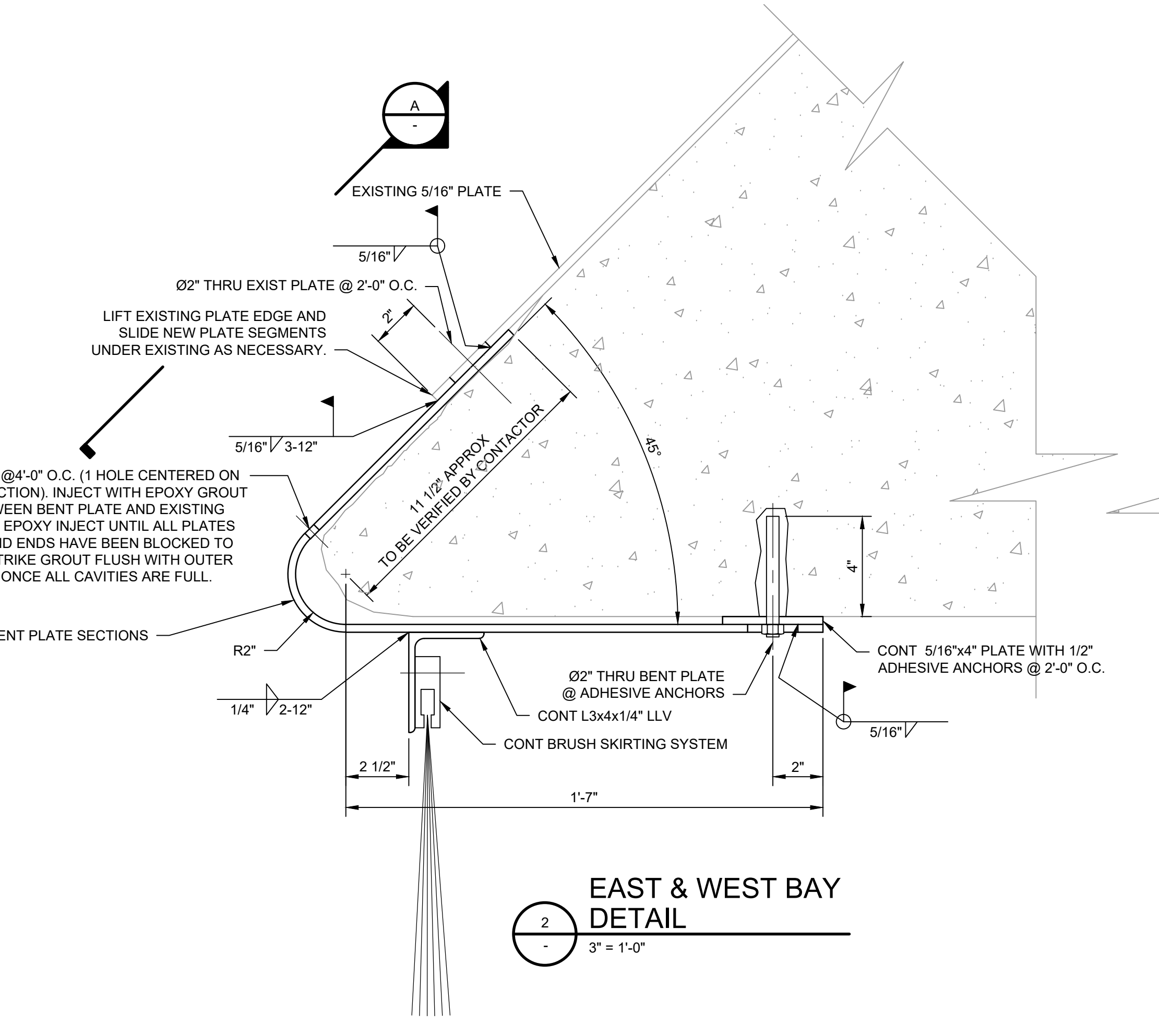
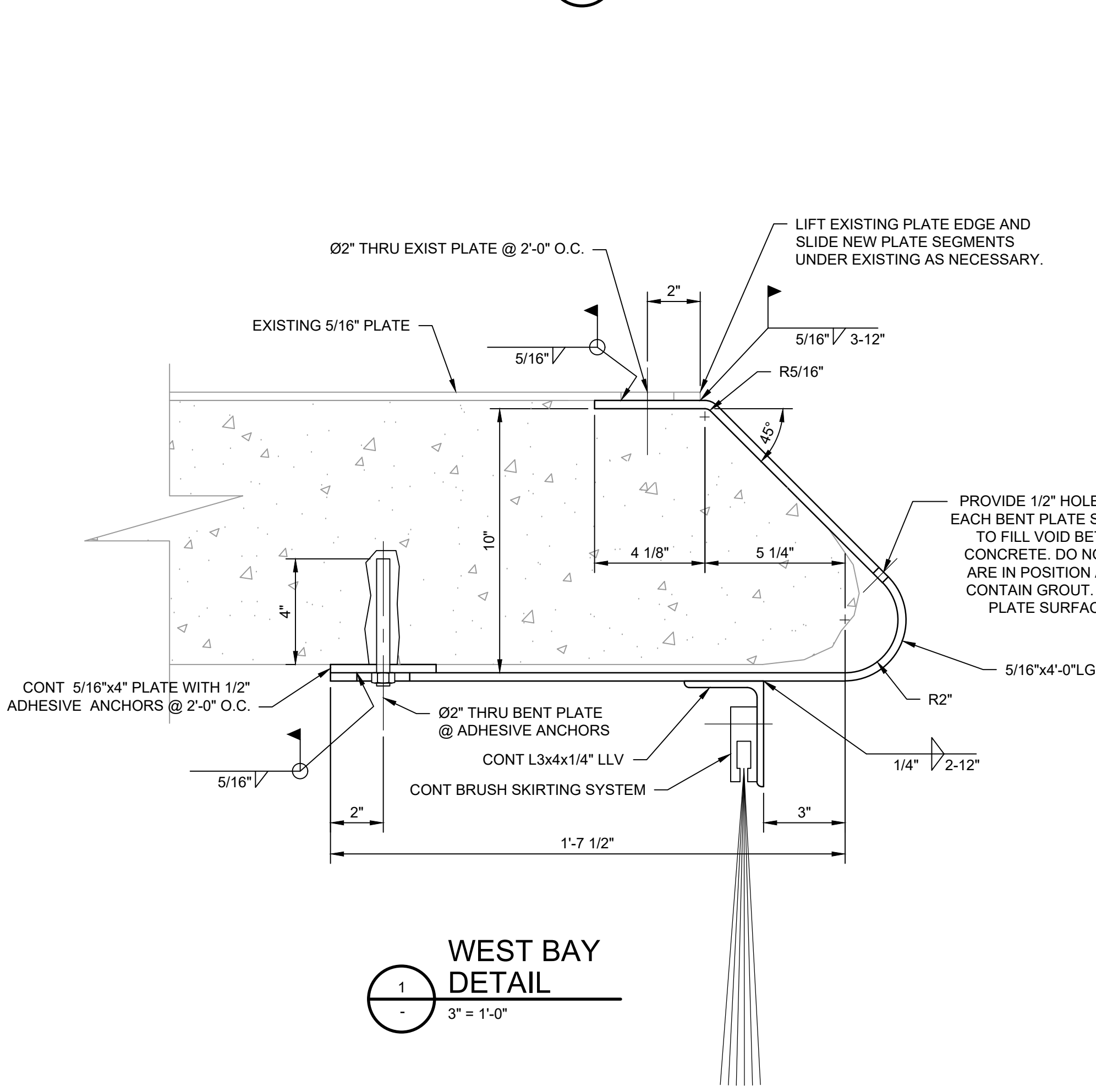
0 1" 2"

FILENAME | S-002.dwg
SCALE | NOTED

SHEET
S-002



- NOTES:**
- SEE DRAWING S-001 FOR GENERAL NOTES.
 - PRESSURE WASH EXISTING CONCRETE SURFACE TO FIRM STRATA PRIOR TO REPAIRS.



ISSUE	DATE	DESCRIPTION
0	03/30/2018	ISSUED FOR CONSTRUCTION

PROJECT MANAGER	OLIVIA WILLIAMS
DESIGNED BY	C. GIPSON
DRAFTED BY	R. MUNRO
CHECKED BY	D. ZAHLLER
PROJECT NUMBER	10059672




LEWIS COUNTY
 - est. 1813 -
LEWIS COUNTY SOLID WASTE DEPARTMENT
EASTERN LEWIS CO. TRANSFER STATION IMPROVEMENTS
MORTON, WASHINGTON

STRUCTURAL WASTE CHUTE REPAIRS SECTION AND DETAILS

FILENAME | S-003.dwg
 SCALE | NOTED
 SHEET | **S-003**