Lewis County Department of Public Works Engineering Division

# CONTRACT PROVISIONS AND PLANS FOR THE:

LEWIS COUNTY CENTRAL

# TRANSFER STATION



# COUNTY PROJECT NO. RESWCT

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

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Lewis County Central Transfer Station Repairs County Project No. RESWCT

# 1 INTRODUCTION

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

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# AMENDMENTS TO THE STANDARD SPECIFICATIONS

The following Amendments to the Standard Specifications are made a part of this contract and supersede 7 any conflicting provisions of the Standard Specifications. For informational purposes, the date following 8 each Amendment title indicates the implementation date of the Amendment or the latest date of revision. 9 10 Each Amendment contains all current revisions to the applicable section of the Standard Specifications 11 and may include references which do not apply to this particular project. 12 13 SECTION 1-07, LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC 14 April 2, 2018 15 1-07.9(2) Posting Notices 16 The second sentence of the first paragraph (up until the colon) is revised to read: 17 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 1-07.11(2) Contractual Requirements 23 In this section, "creed" is revised to read "religion". 24 25 Item numbers 1 through 9 are revised to read 2 through 10, respectively. 26 27 After the preceding Amendment is applied, the following new item number 1 is inserted: 28 29 The Contractor shall maintain a Work site that is free of harassment, humiliation, fear, hostility 1. 30 and intimidation at all times. Behaviors that violate this requirement include but are not limited 31 to: 32 33 Persistent conduct that is offensive and unwelcome. a. 34 35 Conduct that is considered to be hazing. b. 36 37 Jokes about race, gender, or sexuality that are offensive. c. 38 39 Unwelcome, unwanted, rude or offensive conduct or advances of a sexual nature which d. 40 interferes with a person's ability to perform their job or creates an intimidating, hostile, or 41 offensive work environment. 42 43

Language or conduct that is offensive, threatening, intimidating or hostile based on race, e. 1 gender, or sexual orientation. 2 3 f. Repeating rumors about individuals in the Work Site that are considered to be harassing or 4 harmful to the individual's reputation. 5 6 1-07.11(5) Sanctions 7 This section is supplemented with the following: 8 9 Immediately upon the Engineer's request, the Contractor shall remove from the Work site any 10 employee engaging in behaviors that promote harassment, humiliation, fear or intimidation including 11 but not limited to those described in these specifications. 12 13 1-07.11(6) Incorporation of Provisions 14 The first sentence is revised to read: 15 16 The Contractor shall include the provisions of Section 1-07.11(2) Contractual Requirements (1) 17 through (5) and the Section 1-07.11(5) Sanctions in every subcontract including procurement of 18 materials and leases of equipment. 19 20 1-07.18 Public Liability and Property Damage Insurance 21 Item number 1 is supplemented with the following new sentence: 22 23 This policy shall be kept in force from the execution date of the Contract until the Physical Completion 24 Date. 25 26 27 28

# INTRODUCTION

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2			
3 4 5	The following Special Provisions are made a part of this contract and supersede any conflicting provisions of the 2018 Standard Specifications for Road, Bridge, and Municipal Construction, and the foregoing Amendments to the Standard Specifications.		
	foregoing / inchantente to the		
6 7 8 9 10 11	The said Standard Specifications and Amendments thereto, the WSDOT Standard Plans, and WSDOT Construction Manual, together with the Special Provisions and the attached plans hereinafter contained, covering all work specified under this contract are incorporated and hereby made a part of this contract. The Special Provisions hereinafter contained shall supersede any conflicting provisions of the Standard Specifications and Amendments thereto, the WSDOT Standard Plans, and WSDOT Construction Manual.		
12 13 14		sions are included in this contract; General, Region, Bridges and ic. Special Provisions types are differentiated as follows:	
15		On a side Dura vision	
16		Special Provision	
17		revision to a General Special Provision	
18	and also	o notes a Project Specific Special Provision.	
19	(APWA GSP) America	In Public Works Association General Special Provision	
20	· ·		
21	General Special Provisions	are similar to Standard Specifications in that they typically apply to many	
	-	one Region. Usually, the only difference from one project to another is	
22			
23	the inclusion of variable project	t data, inserted as a Till-in .	
24			
25	Project Specific Special Pro	visions 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		
	this contract:		
29			
30			
31		ate" 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		
	County Road Fund.		
36	County Houd Fund.		
37			
38	SPECIAL PROVISIONS		
39		DIVISION 1	
40		GENERAL REQUIREMENTS	
41			
42	1-01, DESCRIPTION OF W	ORK	
43	(March 13, 1995)		
	(		
44	This contract provides for the	mprovement of *** Lewis County Control Transfer Otation by reading the	
45		mprovement of *** Lewis County Central Transfer Station by repairing the	
46		s, the waste chutes, the push walls, *** and other related work, all in	
47	accordance with the attach	ed Contract Plans, these Contract Provisions, and the Standard	
48	Specifications.		
	Lewis County Central Transfer Station Re	pairs 3	

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

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2

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

Dates 8 **Bid Opening Date** 9 The date on which the Contracting Agency publicly opens and reads the Bids. 10 Award Date 11 The date of the formal decision of the Contracting Agency to accept the lowest responsible and 12 responsive Bidder for the Work. 13 Contract Execution Date 14 The date the Contracting Agency officially binds the Agency to the Contract. 15 Notice to Proceed Date 16 The date stated in the Notice to Proceed on which the Contract time begins. 17 Substantial Completion Date 18 The day the Engineer determines the Contracting Agency has full and unrestricted use and 19 benefit of the facilities, both from the operational and safety standpoint, any remaining traffic 20 disruptions will be rare and brief, and only minor incidental work, replacement of temporary 21 substitute facilities, plant establishment periods, or correction or repair remains for the Physical 22 Completion of the total Contract. 23 Physical Completion Date 24 The day all of the Work is physically completed on the project. All documentation required by 25 the Contract and required by law does not necessarily need to be furnished by the Contractor by 26 this date. 27 Completion Date 28 The day all the Work specified in the Contract is completed and all the obligations of the 29 Contractor under the contract are fulfilled by the Contractor. All documentation required by the 30 Contract and required by law must be furnished by the Contractor before establishment of this 31 date. 32 Final Acceptance Date 33 The date on which the Contracting Agency accepts the Work as complete. 34 35 Supplement this Section with the following: 36 37 All references in the Standard Specifications, Amendments, or WSDOT General Special Provisions, 38 to the terms "Department of Transportation", "Washington State Transportation Commission", 39 "Commission", "Secretary of Transportation", "Secretary", "Headquarters", and "State Treasurer" 40 shall be revised to read "Contracting Agency". 41 42 All references to the terms "State" or "state" shall be revised to read "Contracting Agency" unless 43 the reference is to an administrative agency of the State of Washington, a State statute or 44 regulation, or the context reasonably indicates otherwise. 45 46 All references to "State Materials Laboratory" shall be revised to read "Contracting Agency 47 designated location". 48 49

1 2	All references to "final contract voucher certification" shall be interpreted to mean the Contracting Agency form(s) by which final payment is authorized, and final completion and acceptance granted.
3 4 5 6 7	Additive A supplemental unit of work or group of bid items, identified separately in the Bid Proposal, which may, at the discretion of the Contracting Agency, be awarded in addition to the base bid.
8 9 10 11	Alternate One of two or more units of work or groups of bid items, identified separately in the Bid Proposal, from which the Contracting Agency may make a choice between different methods or material of construction for performing the same work.
12 13 14	<b>Business Day</b> A business day is any day from Monday through Friday except holidays as listed in Section 1-08.5.
15 16 17 18 19	<b>Contract Bond</b> The definition in the Standard Specifications for "Contract Bond" applies to whatever bond form(s) are required by the Contract Documents, which may be a combination of a Payment Bond and a Performance Bond.
20 21 22	Contract Documents See definition for "Contract".
23 24 25 26	<b>Contract Time</b> The period of time established by the terms and conditions of the Contract within which the Work must be physically completed.
27 28 29 30	<b>Notice of Award</b> The written notice from the Contracting Agency to the successful Bidder signifying the Contracting Agency's acceptance of the Bid Proposal.
31 32 33 34 35	<b>Notice to Proceed</b> The written notice from the Contracting Agency or Engineer to the Contractor authorizing and directing the Contractor to proceed with the Work and establishing the date on which the Contract time begins.
36 37 38 39 40	<b>Traffic</b> Both vehicular and non-vehicular traffic, such as pedestrians, bicyclists, wheelchairs, and equestrian traffic.
41	1-02, BID PROCEDURES AND CONDITIONS
42 43 44	1-02.1 Prequalification of Bidders
45	Delete this Section and replace it with the following:
46 47 48 49	<b>1-02.1 Qualifications of Bidder</b> (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				
5	1-02.2 Plans and Specifications			
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	Lowis County Public Works Department			
12	Lewis County Public Works Department 2025 N.E. Kresky Avenue			
13	Chehalis, Washington 98532			
14 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				
23	1-02.6 Preparation Of Proposal			
24	(August 2, 2004)			
25 26	The fifth and sixth paragraphs of Section 1-02.6 are deleted.			
20				
28	1-02.12 Public Opening Of Proposal			
29	(*****)			
30				
31	Section 1-02.12 is supplemented with the following:			
32				
33	Date and Time of Bid Opening			
34	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 <b>July 31, 2018</b> , at the Lewis County Courthouse,			
35	Chehalis, Washington, for the Lewis County Central Transfer Station Repairs, County Project No.			
36 37	RESWCT.			
38				
39	SEALED BIDS MUST BE DELIVERED BY OR BEFORE			
40	11:00 A.M. on Tuesday, July 31, 2018			
41	(Lewis County official time is displayed on Axxess Intertel phones in the office of the Board of County Commissioners.			
42	Bids submitted after 11:00 AM will not be considered for this project.)			
43	Delivery and Marking of Sealed Bid Proposals			
44 45	Sealed proposals must be delivered to the Clerk of the Board of Lewis County Commissioners			
45 46	(351 N.W. North Street, Room 210, CMS-01, Chehalis, Washington 98532) by or before <b>11:00</b>			
40	<b>a.m.</b> on the date specified for opening, and in an envelope clearly marked: <b>"SEALED BID FOR</b>			
48	THE LEWIS COUNTY CENTRAL TRANSFER STATION REPAIRS, COUNTY PROJECT NO.			
49	RESWCT, TO BE OPENED ON OR AFTER 11:00 A.M. ON JULY 31, 2018".			
50				
51	1-02.13 Irregular Proposals			

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. b.	The Bidder is not prequalified when so required; The authorized Proposal form furnished by the Contracting Agency is not used or is	
7 8	Б.	altered;	
9	С.	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. g.	The Proposal form is not properly executed; The Bidder fails to submit or properly complete a Subcontractor list, if applicable, as	
15 16	· 9.	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 Provisions;	
23 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	I.	More than one Proposal is submitted for the same project from a Bidder under the same or different names.	
30 31		or unerent names.	
32	2. A Pro	posal 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. d.	Receipt of Addenda is not acknowledged; A member of a joint venture or partnership and the joint venture or partnership submit	
37 38	u.	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		qualification of Bidders	
42 43	(July 31, 201	7 APWA GSP, Option B)	
	Delete this s	ection and replace it with the following:	
44 45	Delete tills St		
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	<b>T</b> 0		
50	The Contracting Agency will verify that the Bidder meets the mandatory bidder responsibility		
51 52	criteria in RCW 39.04.350(1), and Supplemental Criteria 1-2. Evidence that the Bidder meets Supplemental Criteria 3-7 shall be provided by the Bidder as stated later in this Section.		
52	Cuppic		

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

# 1. Delinquent State Taxes

- A <u>Criterion</u>: The Bidder shall not owe delinquent taxes to the Washington State Department of Revenue without a payment plan approved by the Department of Revenue.
- B. <u>Documentation</u>: The Bidder shall not be listed on the Washington State Department of Revenue's "Delinquent Taxpayer List" website: http://dor.wa.gov/content/fileandpaytaxes/latefiling/dtlwest.aspx , or if they are so listed, they must submit a written payment plan approved by the Department of Revenue, to the Contracting Agency by the deadline listed below.

#### 2. Federal Debarment

- A <u>Criterion</u>: The Bidder shall not currently be debarred or suspended by the Federal government.
- B. <u>Documentation</u>: The Bidder shall not be listed as having an "active exclusion" on the U.S. government's "System for Award Management" database (www.sam.gov).

# 3. Subcontractor Responsibility

- A <u>Criterion</u>: The Bidder's standard subcontract form shall include the subcontractor responsibility language required by RCW 39.06.020, and the Bidder shall have an established procedure which it utilizes to validate the responsibility of each of its subcontractors. The Bidder's subcontract form shall also include a requirement that each of its subcontractors shall have and document a similar procedure to determine whether the sub-tier subcontractors with whom it contracts are also "responsible" subcontractors as defined by RCW 39.06.020.
  - B. <u>Documentation</u>: The Bidder, if and when required as detailed below, shall submit a copy of its standard subcontract form for review by the Contracting Agency, and a written description of its procedure for validating the responsibility of subcontractors with which it contracts.

# 4. Claims Against Retainage and Bonds

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

1 2 3 4		B. <u>Documentation</u> : The Bidder, if and when required as detailed below, shall submit a list the public works projects completed in the three years prior to the bid submittal date the have had claims against retainage and bonds and include for each project the following information:
5 6 7 8 9		<ul> <li>Name of project</li> <li>The owner and contact information for the owner;</li> <li>A list of claims filed against the retainage and/or payment bond for any of the projects listed;</li> </ul>
10 11		<ul> <li>A written explanation of the circumstances surrounding each claim and the ultimat resolution of the claim.</li> </ul>
12 13	5.	Public Bidding Crime
14 15 16 17		A <u>Criterion</u> : The Bidder and/or its owners shall not have been convicted of a crime involving bidding on a public works contract in the five years prior to the bid submittal date.
18 19 20 21 22		B. <u>Documentation</u> : The Bidder, if and when required as detailed below, shall sign a statement (on a form to be provided by the Contracting Agency) that the Bidder and/o its owners have not been convicted of a crime involving bidding on a public works contract.
23 24	6.	Termination for Cause / Termination for Default
25 26 27 28 29		A <u>Criterion</u> : The Bidder shall not have had any public works contract terminated for cause or terminated for default by a government agency in the five years prior to the bid submittal date, unless there are extenuating circumstances and such circumstances a deemed acceptable to the Contracting Agency.
30 31 32 33 34 35		B. <u>Documentation</u> : The Bidder, if and when required as detailed below, shall sign a statement (on a form to be provided by the Contracting Agency) that the Bidder has no had any public works contract terminated for cause or terminated for default by a government agency in the five years prior to the bid submittal date; or if Bidder was terminated, describe the circumstances.
36 37	7.	Lawsuits
38 39 40 41 42		A <u>Criterion</u> : The Bidder shall not have lawsuits with judgments entered against the Bidde in the five years prior to the bid submittal date that demonstrate a pattern of failing to meet the terms of contracts, unless there are extenuating circumstances and such circumstances are deemed acceptable to the Contracting Agency
43 44 45 46 47 48 49 50		B. <u>Documentation</u> : The Bidder, if and when required as detailed below, shall sign a statement (on a form to be provided by the Contracting Agency) that the Bidder has no had any lawsuits with judgments entered against the Bidder in the five years prior to the bid submittal date that demonstrate a pattern of failing to meet the terms of contracts, shall submit a list of all lawsuits with judgments entered against the Bidder in the Bidder in the five years prior to the bid submittal date, along with a written explanation of the circumstances surrounding each such lawsuit. The Contracting Agency shall evaluate these explanations to determine whether the lawsuits demonstrate a pattern of failing
51 52		meet of terms of construction related contracts

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

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

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

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

#### 1-02.15 Pre Award Information 41

- 42 (August 14, 2013 APWA GSP)
- 43 44

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

- A progress schedule (in a form the Contracting Agency requires) showing the order of and time 1 required for the various phases of the work, 2 4. A breakdown of costs assigned to any bid item, 3 5. Attendance at a conference with the Engineer or representatives of the Engineer, 4 6. Obtain, and furnish a copy of, a business license to do business in the city or county where the 5 work is located. 6 7. Any other information or action taken that is deemed necessary to ensure that the bidder is the 7 lowest responsible bidder. 8 9 **1-03, AWARD AND EXECUTION OF CONTRACT** 10 11 1-03.3 Execution of Contract 12 (October 1, 2005 APWA GSP) 13 14 Revise this section to read: 15 16 17 Copies of the Contract Provisions, including the unsigned Form of Contract, will be available for 18 signature by the successful bidder on the first business day following award. The number of copies 19 to be executed by the Contractor will be determined by the Contracting Agency. 20 Within 15 calendar days after the award date, the successful bidder shall return the signed 21 Contracting Agency-prepared contract, an insurance certification as required by Section 1-07.18, and 22 a satisfactory bond as required by law and Section 1-03.4. Before execution of the contract by the 23 Contracting Agency, the successful bidder shall provide any pre-award information the Contracting 24 Agency may require under Section 1-02.15. 25 26 Until the Contracting Agency executes a contract, no proposal shall bind the Contracting Agency nor 27 shall any work begin within the project limits or within Contracting Agency-furnished sites. The 28 Contractor shall bear all risks for any work begun outside such areas and for any materials ordered 29 before the contract is executed by the Contracting Agency. 30 31 If the bidder experiences circumstances beyond their control that prevents return of the contract 32 documents within the calendar days after the award date stated above, the Contracting Agency may 33 grant up to a maximum of 5 additional calendar days for return of the documents, provided the 34 Contracting Agency deems the circumstances warrant it. 35 36 1-03.4 Contract Bond 37 (July 23, 2015 APWA GSP) 38 39 Delete the first paragraph and replace it with the following: 40 41 The successful bidder shall provide executed payment and performance bond(s) for the full contract 42 amount. The bond may be a combined payment and performance bond; or be separate payment 43 and performance bonds. In the case of separate payment and performance bonds, each shall be 44 for the full contract amount. The bond(s) shall: 45 1. Be on Contracting Agency-furnished form(s); 46
- <sup>47</sup> 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 1 the Office of the Insurance Commissioner, 2 3. Guarantee that the Contractor will perform and comply with all obligations, duties, and 3 conditions under the Contract, including but not limited to the duty and obligation to indemnify, 4 defend, and protect the Contracting Agency against all losses and claims related directly or 5 indirectly from any failure: 6 a. Of the Contractor (or any of the employees, subcontractors, or lower tier subcontractors of 7 the Contractor) to faithfully perform and comply with all contract obligations, conditions, and 8 duties, or 9 b. Of the Contractor (or the subcontractors or lower tier subcontractors of the Contractor) to 10 pay all laborers, mechanics, subcontractors, lower tier subcontractors, material person, or 11 any other person who provides supplies or provisions for carrying out the work; 12 4. Be conditioned upon the payment of taxes, increases, and penalties incurred on the project 13 under titles 50, 51, and 82 RCW; and 14 5. Be accompanied by a power of attorney for the Surety's officer empowered to sign the bond; 15 and 16 Be signed by an officer of the Contractor empowered to sign official statements (sole proprietor 17 or partner). If the Contractor is a corporation, the bond(s) must be signed by the president or 18 vice president, unless accompanied by written proof of the authority of the individual signing the 19 bond(s) to bind the corporation (i.e., corporate resolution, power of attorney, or a letter to such 20 effect signed by the president or vice president). 21 22 1-05, CONTROL OF WORK 23 (March 13, 1995) 24 25 1-05.7 Removal Of Defective And unauthorized Work 26 (October 1, 2005 APWA GSP) 27 28 Supplement this section with the following: 29 30 If the Contractor fails to remedy defective or unauthorized work within the time specified in a written 31 notice from the Engineer, or fails to perform any part of the work required by the Contract Documents, 32 the Engineer may correct and remedy such work as may be identified in the written notice, with 33 Contracting Agency forces or by such other means as the Contracting Agency may deem necessary. 34 35 If the Contractor fails to comply with a written order to remedy what the Engineer determines to be 36 an emergency situation, the Engineer may have the defective and unauthorized work corrected 37 immediately, have the rejected work removed and replaced, or have work the Contractor refuses to 38 perform completed by using Contracting Agency or other forces. An emergency situation is any 39 situation when, in the opinion of the Engineer, a delay in its remedy could be potentially unsafe, or 40 might cause serious risk of loss or damage to the public. 41 42 Direct or indirect costs incurred by the Contracting Agency attributable to correcting and remedying 43 defective or unauthorized work, or work the Contractor failed or refused to perform, shall be paid by 44 the Contractor. Payment will be deducted by the Engineer from monies due, or to become due, the 45 Contractor. Such direct and indirect costs shall include in particular, but without limitation, 46 compensation for additional professional services required, and costs for repair and replacement of 47 work of others destroyed or damaged by correction, removal, or replacement of the Contractor's 48 unauthorized work. 49

- No adjustment in contract time or compensation will be allowed because of the delay in the performance of the work attributable to the exercise of the Contracting Agency's rights provided by this Section.
  - The rights exercised under the provisions of this section shall not diminish the Contracting Agency's right to pursue any other avenue for additional remedy or damages with respect to the Contractor's failure to perform the work as required.

# 1-05.13 Superintendents, Labor and Equipment of Contractor

- 11 (August 14, 2013 APWA GSP)
- <sup>13</sup> Delete the sixth and seventh paragraphs of this section.

#### 15 1-05.15 Method of Serving Notices

- 16 (March 25, 2009 APWA GSP)
- 17 Revise the second paragraph to read:
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- All correspondence from the Contractor shall be directed to the Project Engineer. <u>All</u>
- 20 correspondence from the Contractor constituting any notification, notice of protest, notice of dispute,
- or other correspondence constituting notification required to be furnished under the Contract, must
- <u>be in paper format, hand delivered or sent via mail delivery service to the Project Engineer's office.</u>
- <u>Electronic copies such as e-mails or electronically delivered copies of correspondence will not</u>
- 24 constitute such notice and will not comply with the requirements of the Contract.

# <sup>26</sup> 1-07, LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC

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# 1-07.2 State Taxes

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

#### 1-07.2 State Sales Tax

- (June 27, 2011 APWA GSP)
- The Washington State Department of Revenue has issued special rules on the State sales tax. Sections 1-07.2(1) through 1-07.2(3) are meant to clarify those rules. The Contractor should contact the Washington State Department of Revenue for answers to questions in this area. The Contracting Agency will not adjust its payment if the Contractor bases a bid on a misunderstood tax liability.
- The Contractor shall include all Contractor-paid taxes in the unit bid prices or other contract amounts. In some cases, however, state retail sales tax will not be included. Section 1-07.2(2) describes this exception.
- The Contracting Agency will pay the retained percentage (or release the Contract Bond if a FHWA funded Project) only if the Contractor has obtained from the Washington State Department of
   Revenue a certificate showing that all contract-related taxes have been paid (RCW 60.28.051).
   The Contracting Agency may deduct from its payments to the Contractor any amount the
   Contractor may owe the Washington State Department of Revenue, whether the amount owed
   relates to this contract or not. Any amount so deducted will be paid into the proper State fund.
- 51

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

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

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# 1-07.2(2) State Sales Tax — Rule 170

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

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

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

# 1-07.2(3) Services

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

40 41 **1-07.7** 

# 1-07.7 Load Limits

<sup>42</sup> Section 1-07.7 is supplemented with the following:

- (\*\*\*\*\*)
- If the source of materials provided by the Contractor necessitates hauling over roads other than Lewis County roads, the Contractor shall, at the Contractor's expense, make all arrangements for the use of the haul routes.
- Any vehicle providing material paid for by the ton, on the project, will provide licensed tonnage for that vehicle.

#### 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	and Eandocaphing of Flanding Eabororo.
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	
20	Laborers with the occupation description, Landscaping or Planting, or
22	Labororo mar aro occupation doconpaion, Landocaping or Franking, or
22	Power Equipment Operators with the occupation description, Mulch Seeding Operator.
24	
24	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
	and compared with corresponding State wage rates. The higher wage rate, either State or
27 28	Federal, becomes the minimum wage rate for the work performed in that occupation.
20	r odoral, booomoo alo minimum wago rato for the work portormod in that occupation.
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
	Rate available at <u>http://www.wdol.gov/docs/sf1444.pdf</u> , and submit the completed form to the
35 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
	the purpose of determining a federal classification wage rate.
38	
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	<u>11246)</u>
46	
40	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	

1 2 3 4	2.	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:		
5				
6		<u>Women - Statewide</u>		
7		<u>Timetable</u>	Goal	
8				
9 10		Until further notice	6.9%	
10		Minorities - by Standard Metropolitan Statis		
12		million by clandard menopolitan cland		
13		Spokane, WA:		
14		SMSA Counties:		
15		Spokane, WA	2.8	
16		WA Spokane.		
17		Non-SMSA Counties	3.0	
18		WA Adams; WA Asotin; WA Colur	nbia; WA Ferry; WA Garfield; WA Lincoln, WA	
19		Pend Oreille; WA Stevens; WA W	nitman.	
20				
21		Richland, WA		
22		SMSA Counties:		
23		Richland Kennewick, WA	5.4	
24		WA Benton; WA Franklin.		
25		Non-SMSA Counties	3.6	
26		WA Walla Walla.		
27				
28		Yakima, WA:		
29		SMSA Counties:	0.7	
30		Yakima, WA WA Yakima.	9.7	
31		Non-SMSA Counties	7.2	
32		WA Chelan; WA Douglas; WA Gra		
33		WA Orielan, WA Douglas, WA Gra	in, WA Millias, WA Okanogan.	
34		Seattle, WA:		
35 36		SMSA Counties:		
37		Seattle Everett, WA	7.2	
38		WA King; WA Snohomish.		
39		Tacoma, WA	6.2	
40		WA Pierce.	-	
41		Non-SMSA Counties	6.1	
42		WA Clallam; WA Grays Harbor; W	A Island; WA Jefferson; WA Kitsap; WA	
43		Lewis; WA Mason; WA Pacific; W	A San Juan; WA Skagit; WA Thurston; WA	
44		Whatcom.	-	
45				
46		Portland, OR:		
47		SMSA Counties:		
48		Portland, OR-WA	4.5	
49		WA Clark.		
50		Non-SMSA Counties	3.8	
51		WA Cowlitz; WA Klickitat; W	/A Skamania; WA Wahkiakum.	
52				

1		These goals are applicable to each nonexempt Contractor's total on-site construction			
1					
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					
	3.	The Contractor shall provide written notification to the Office of Federal Contract Compliance			
19	0.	Programs (OFCCP) within 10 working days of award of any construction subcontract in			
20		•			
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			
		$90 - 7^{\text{th}}$ Street, Suite 18-300			
32		,			
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					
	4.	As used in this Notice, and in the contract resulting from this solicitation, the Covered Area is			
39	ч.	$\bullet$			
40		as designated herein.			
41	<b>.</b>				
42		ndard Federal Equal Employment Opportunity Construction Contract Specifications (Executive			
43	<u>Orc</u>	<u>ler 11246)</u>			
44					
45	1.	As used in these specifications:			
46		a Covered Area means the apparentical area departited in the colligitation from which			
47		a. Covered Area means the geographical area described in the solicitation from which			
48		this contract resulted;			
49					
50		b. Director means Director, Office of Federal Contract Compliance Programs, United			
51		States Department of Labor, or any person to whom the Director delegates authority;			
52					
52		17			
	Lewis Cour	nty Central Transfer Station Repairs 17			

Employer Identification Number means the Federal Social Security number used on C. 1 the Employer's Quarterly Federal Tax Return, U. S. Treasury Department Form 941; 2 3 Minority includes: d. 4 5 (1) Black, a person having origins in any of the Black Racial Groups of Africa. 6 7 (2) Hispanic, a fluent Spanish speaking, Spanish surnamed person of Mexican, 8 Puerto Rican, Cuban, Central American, South American, or other Spanish 9 origin. 10 11 (3) Asian or Pacific Islander, a person having origins in any of the original 12 peoples of the Pacific rim or the Pacific Islands, the Hawaiian Islands and 13 Samoa. 14 15 (4) American Indian or Alaskan Native, a person having origins in any of the 16 original peoples of North America, and who maintain cultural identification 17 through tribal affiliation or community recognition. 18 19 Whenever the Contractor, or any Subcontractor at any tier, subcontracts a portion of the work 2. 20 involving any construction trade, it shall physically include in each subcontract in excess of 21 \$10,000 the provisions of these specifications and the Notice which contains the applicable 22 goals for minority and female participation and which is set forth in the solicitations from which 23 this contract resulted. 24 25 If the Contractor is participating (pursuant to 41 CFR 60-4.5) in a Hometown Plan approved by 3. 26 the U.S. Department of Labor in the covered area either individually or through an 27 association, its affirmative action obligations on all work in the Plan area (including goals and 28 timetables) shall be in accordance with that Plan for those trades which have unions 29 participating in the Plan. Contractors must be able to demonstrate their participation in and 30 compliance with the provisions of any such Hometown Plan. Each Contractor or 31 Subcontractor participating in an approved Plan is individually required to comply with its 32 obligations under the EEO clause, and to make a good faith effort to achieve each goal under 33 the Plan in each trade in which it has employees. The overall good faith performance by other 34 Contractors or Subcontractors toward a goal in an approved Plan does not excuse any 35 covered Contractor's or Subcontractor's failure to take good faith effort to achieve the Plan 36 goals and timetables. 37 38 The Contractor shall implement the specific affirmative action standards provided in 4. 39 paragraphs 7a through 7p of this Special Provision. The goals set forth in the solicitation from 40 which this contract resulted are expressed as percentages of the total hours of employment 41 and training of minority and female utilization the Contractor should reasonably be able to 42 achieve in each construction trade in which it has employees in the covered area. Covered 43 construction contractors performing construction work in geographical areas where they do 44 not have a Federal or federally assisted construction contract shall apply the minority and 45 female goals established for the geographical area where the work is being performed. The 46 Contractor is expected to make substantially uniform progress in meeting its goals in each 47 craft during the period specified. 48 49 Neither the provisions of any collective bargaining agreement, nor the failure by a union with 5. 50 whom the Contractor has a collective bargaining agreement, to refer either minorities or 51

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

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

meeting its EEO obligations; by including it in any policy manual and collective 1 bargaining agreement; by publicizing it in the company newspaper, annual report, 2 etc.; by specific review of the policy with all management personnel and with all 3 minority and female employees at least once a year; and by posting the company 4 EEO policy on bulletin boards accessible to all employees at each location where 5 construction work is performed. 6 7 Review, at least annually, the company's EEO policy and affirmative action g. 8 obligations under these specifications with all employees having any responsibility for 9 hiring, assignment, layoff, termination or other employment decisions including 10 specific review of these items with on-site supervisory personnel such as 11 Superintendents, General Foremen, etc., prior to the initiation of construction work at 12 any job site. A written record shall be made and maintained identifying the time and 13 place of these meetings, persons attending, subject matter discussed, and 14 disposition of the subject matter. 15 16 h. Disseminate the Contractor's EEO policy externally by including it in any advertising 17 in the news media, specifically including minority and female news media, and 18 providing written notification to and discussing the Contractor's EEO policy with other 19 Contractors and Subcontractors with whom the Contractor does or anticipates doing 20 business. 21 22 Direct its recruitment efforts, both oral and written to minority, female and community i. 23 organizations, to schools with minority and female students and to minority and 24 female recruitment and training organizations serving the Contractor's recruitment 25 area and employment needs. Not later than one month prior to the date for the 26 acceptance of applications for apprenticeship or other training by any recruitment 27 source, the Contractor shall send written notification to organizations such as the 28 above, describing the openings, screening procedures, and tests to be used in the 29 selection process. 30 31 Encourage present minority and female employees to recruit other minority persons j. 32 and women and where reasonable, provide after school, summer and vacation 33 employment to minority and female youth both on the site and in other areas of a 34 Contractor's work force. 35 36 Validate all tests and other selection requirements where there is an obligation to do k. 37 so under 41 CFR Part 60-3. 38 39 Conduct, at least annually, an inventory and evaluation of all minority and female Ι. 40 personnel for promotional opportunities and encourage these employees to seek or 41 to prepare for, through appropriate training, etc., such opportunities. 42 43 Ensure that seniority practices, job classifications, work assignments and other m. 44 personnel practices, do not have a discriminatory effect by continually monitoring all 45 personnel and employment related activities to ensure that the EEO policy and the 46 Contractor's obligations under these specifications are being carried out. 47 48 Ensure that all facilities and company activities are nonsegregated except that n. 49 separate or single-user toilet and necessary changing facilities shall be provided to 50 assure privacy between the sexes. 51 52

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

at least include, for each employee, their name, address, telephone numbers, constructi trade, union affiliation if any, employee identification number when assigned, social secu number, race, sex, status (e.g., mechanic, apprentice, trainee, helper, or laborer), dates changes in status, hours worked per week in the indicated trade, rate of pay, and location which the work was performed. Records shall be maintained in an easily understandable retrievable form; however, to the degree that existing records satisfy this requirement, the Contractors will not be required to maintain separate records.			
8 9 10 11 12	which establish different s the hiring of local or other	nall be construed as a limitation upon the application of other laws andards of compliance or upon the application of requirements for area residents (e.g., those under the Public Works Employment Act by Development Block Grant Program).	
13 14 15 16		ederal Construction Contractors on contracts administered by nent of Transportation or by Local Agencies may be found at:	
17 18 19 20 21 22 23 24 25	Washington State De Office of Equal Oppor PO Box 47314 310 Maple Park Ave. Olympia WA 98504-7314 Ph: 360-705-7090 Fax: 360-705-6801 http://www.wsdot.wa.g	tunity	
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 32 33	1-07.18 Insurance (January 4, 2016 APWA GSP)		
34 35 36 37 38	07.18 of these Special Provision VII and licensed to do business	ents d maintain the insurance described in all subsections of section 1- ns, from insurers with a current A. M. Best rating of not less than A-: in the State of Washington. The Contracting Agency reserves the urance provided, based on the insurer's financial condition.	
39 40 41 42	•	nsurance in force without interruption from the commencement of ne term of the Contract and for thirty (30) days after the Physical ise indicated below.	
43 44 45 46 47 48 49 50 51 51 52	subsequent renewals, shall be r state that coverage is claims ma shall be maintained by the Cont earlier termination of this Contra Agency with proof of renewal. I unavailable, or economically pro	on a claims made form, its retroactive date, and that of all no later than the effective date of this Contract. The policy shall ade, and state the retroactive date. Claims-made form coverage ractor for a minimum of 36 months following the Completion Date or act, and the Contractor shall annually provide the Contracting f renewal of the claims made form of coverage becomes whibitive, the Contractor shall purchase an extended reporting period of guarantee acceptable to the Contracting Agency to assure y for services performed.	

- D. The Contractor's Automobile Liability, Commercial General Liability and Excess or Umbrella Liability
   insurance policies shall be primary and non-contributory insurance as respects the Contracting
   Agency's insurance, self-insurance, or self-insured pool coverage. Any insurance, self-insurance, or
   self-insured pool coverage maintained by the Contracting Agency shall be excess of the Contractor's
   insurance and shall not contribute with it.
  - E. The Contractor shall provide the Contracting Agency and all additional insureds with written notice of any policy cancellation, within two business days of their receipt of such notice.
- G. The Contractor shall not begin work under the Contract until the required insurance has been obtained and approved by the Contracting Agency
- H. Failure on the part of the Contractor to maintain the insurance as required shall constitute a material
   breach of contract, upon which the Contracting Agency may, after giving five business days' notice
   to the Contractor to correct the breach, immediately terminate the Contract or, at its discretion,
   procure or renew such insurance and pay any and all premiums in connection therewith, with any
   sums so expended to be repaid to the Contracting Agency on demand, or at the sole discretion of
   the Contracting Agency, offset against funds due the Contractor from the Contracting Agency.
- All costs for insurance shall be incidental to and included in the unit or lump sum prices of the
   Contract and no additional payment will be made.
- <sup>24</sup> 1-07.18(2) Additional Insured

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- All insurance policies, with the exception of Workers Compensation, and of Professional Liability and Builder's Risk (if required by this Contract) shall name the following listed entities as additional insured(s) using the forms or endorsements required herein:
- <sup>28</sup> the Contracting Agency and its officers, elected officials, employees, agents, and volunteers
- The above-listed entities shall be additional insured(s) for the full available limits of liability maintained by the Contractor, irrespective of whether such limits maintained by the Contractor are greater than those required by this Contract, and irrespective of whether the Certificate of Insurance provided by the Contractor pursuant to 1-07.18(4) describes limits lower than those maintained by the Contractor.
- For Commercial General Liability insurance coverage, the required additional insured endorsements shall be at least as broad as ISO forms CG 20 10 10 01 for ongoing operations and CG 20 37 10 01 for completed operations.

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

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

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

Lewis County Central Transfer Station Repairs County Project No. RESWCT

- <sup>1</sup> Upon request by the Contracting Agency, the Contractor shall forward to the Contracting Agency
- <sup>2</sup> evidence of insurance and copies of the additional insured endorsements of each Subcontractor of
- <sup>3</sup> every tier as required in 1-07.18(4) Verification of Coverage.
- 5 1-07.18(4) Verification of Coverage

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

- <sup>12</sup> <sup>13</sup> Verification of coverage shall include:
- 1. An ACORD certificate or a form determined by the Contracting Agency to be equivalent.
- 2. Copies of all endorsements naming Contracting Agency and all other entities listed in 1-07.18(2) as
   additional insured(s), showing the policy number. The Contractor may submit a copy of any
   blanket additional insured clause from its policies instead of a separate endorsement.
- <sup>18</sup> 3. Any other amendatory endorsements to show the coverage required herein.
- 4. A notation of coverage enhancements on the Certificate of Insurance shall <u>not</u> satisfy these
   requirements actual endorsements must be submitted.
- <sup>21</sup>
   <sup>22</sup> Upon request by the Contracting Agency, the Contractor shall forward to the Contracting Agency a
   <sup>23</sup> full and certified copy of the insurance policy(s). If Builders Risk insurance is required on this
   <sup>24</sup> Project, a full and certified copy of that policy is required when the Contractor delivers the signed
   <sup>25</sup> Contract for the work.
- <sup>26</sup> <sup>27</sup> 1-07.18(5) Coverages and Limits

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

- All deductibles and self-insured retentions must be disclosed and are subject to approval by the Contracting Agency. The cost of any claim payments falling within the deductible or self-insured retention shall be the responsibility of the Contractor. In the event an additional insured incurs a liability subject to any policy's deductibles or self-insured retention, said deductibles or self-insured retention shall be the responsibility of the Contractor.
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- 1-07.18(5)A Commercial General Liability
- Commercial General Liability insurance shall be written on coverage forms at least as broad as
   ISO occurrence form CG 00 01, including but not limited to liability arising from premises,
   operations, stop gap liability, independent contractors, products-completed operations, personal
   and advertising injury, and liability assumed under an insured contract. There shall be no
   exclusion for liability arising from explosion, collapse or underground property damage.
- 45 46

47 48 The Commercial General Liability insurance shall be endorsed to provide a per project general aggregate limit, using ISO form CG 25 03 05 09 or an equivalent endorsement.

Contractor shall maintain Commercial General Liability Insurance arising out of the Contractor's
 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
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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 pollutants, the automobile liability policy shall include MCS 90 and CA 99 48 endorsements.
12 13	
14	Such policy must provide the following minimum limit:
15	\$1,000,000 Combined single limit each accident
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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	1-08.0(1) Preconstruction Conference
28 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	<ol> <li>To establish and review procedures for progress payment, notifications, approvals, submittals, etc.;</li> </ol>
38	<ol> <li>To establish normal working hours for the work;</li> </ol>
39	5. To review safety standards and traffic control; and
40	<ol> <li>To discuss such other related items as may be pertinent to the work.</li> </ol>
41 42	0. To discuss such other related items as may be pertinent to the work.
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.
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Add the following new section:

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40 41 1-08.0(2) Hours of Work

(December 8, 2014 APWA GSP)

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

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

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

- If the Contracting Agency approves such a deviation, such approval may be subject to certain other
   conditions, which will be detailed in writing. For example:
- 231. On non-Federal aid projects, requiring the Contractor to reimburse the Contracting Agency24for the costs in excess of straight-time costs for Contracting Agency representatives who25worked during such times. (The Engineer may require designated representatives to be26present during the work. Representatives who may be deemed necessary by the Engineer27include, but are not limited to: survey crews; personnel from the Contracting Agency's28material testing lab; inspectors; and other Contracting Agency employees or third party29consultants when, in the opinion of the Engineer, such work necessitates their presence.)
- Considering the work performed on Saturdays, Sundays, and holidays as working days with regard to the contract time.
  - Considering multiple work shifts as multiple working days with respect to contract time even though the multiple shifts occur in a single 24-hour period.
    - 4. If a 4-10 work schedule is requested and approved the non-working day for the week will be charged as a working day.
      - 5. If Davis Bacon wage rates apply to this Contract, all requirements must be met and recorded properly on certified payroll

1-08.1 Subcontracting

(February 16, 2018 APWA GSP)

<sup>42</sup> The eighth and ninth paragraphs are revised to read:

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

- A monthly report shall be submitted for every month between Execution of the Contract and Physical Completion regardless of whether payments were made or work occurred.
- 3 The Contractor shall comply with the requirements of RCW 39.04.250, 39.76.011, 39.76.020, and 4 39.76.040, in particular regarding prompt payment to Subcontractors. Whenever the Contractor 5 withholds payment to a Subcontractor for any reason including disputed amounts, the Contractor 6 shall provide notice within 10 calendar days to the Subcontractor with a copy to the Contracting 7 Agency identifying the reason for the withholding and a clear description of what the Subcontractor 8 must do to have the withholding released. Retainage withheld by the Contractor prior to completion 9 of the Subcontractors work is exempt from reporting as a payment withheld and is not included in the 10 withheld amount. The Contracting Agency's copy of the notice to Subcontractor for deferred payments 11 shall be submitted to the Engineer concurrently with notification to the Subcontractor. 12
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- Section 1-08.1 is supplemented with the following:
- <sup>16</sup> (October 12, 1998)

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

- A Subcontractor or lower tier Subcontractor will not be permitted to perform any work under the contract until the following documents have been completed and submitted to the Engineer:
  - 1. Request to Sublet Work (Form 421-012), and
  - 2. Contractor and Subcontractor or Lower Tier Subcontractor Certification for Federal-aid Projects (Form 420-004).

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

- 1-08.1(1) Subcontract Completion and Return of Retainage Witheld
- Section 1-08.1(1) is revised to read:
  - (June 27, 2011)
    - The following procedures shall apply to all subcontracts entered into as a part of this Contract:
      - Requirements
      - The Prime Contractor or Subcontractor shall make payment to the Subcontractor not later than ten (10) days after receipt of payment from the Contracting Agency for work satisfactorily completed by the Subcontractor, to the extent of each Subcontractor's interest therein.
    - 2. Prompt and full payment of retainage from the Prime Contractor to the Subcontractor shall be made within 30 days after Subcontractor's Work is satisfactorily completed.

1 2 3 4	3.	For purposes of this Section, a Subcontractor's work is satisfactorily completed when all task and requirements of the Subcontract have been accomplished and including any required documentation and material testing.		
5	4.	Failure by a Prime Contractor or Subcontractor to comply with these requirements may 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 15		d. Other sanctions as provided by the subcontractor or by law under applicable prompt pay statutes.		
16 17	Co	nditions		
18		s clause does not create a contractual relationship between the Contracting Agency and any		
19		pcontractor as stated in Section 1-08.1. Also, it is not intended to bestow upon any		
20		ocontractor, the status of a third-party beneficiary to the Contract between the Contracting		
21 22	Age	ency and the Contractor.		
23	Pa	yment		
24	The Contractor will be solely responsible for any additional costs involved in paying retainage			
25	to t	he Subcontractors. Those costs shall be incidental to the respective Bid Items.		
26 27 28 29	•	2)A Type A Progress Schedule 13, 2012 APWA GSP)		
30 31	Revise th	nis section to read:		
32	The Con	tractor shall submit <u>\$\$ 3 \$\$</u> copies of a Type A Progress Schedule no later than <u>one week</u>		
33	before the preconstruction conference, or some other mutually agreed upon submittal time. The			
34		may be a critical path method (CPM) schedule, bar chart, or other standard schedule		
35		Regardless of which format used, the schedule shall identify the critical path. The Engineer		
36		ate the Type A Progress Schedule and approve or return the schedule for corrections calendar days of receiving the submittal.		
37 38	WILLING TO	calendal days of receiving the submittal.		
39	Contra	ctor's Weekly Activities		
40	(*****)	-		
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42		ntractor shall submit a weekly schedule to the Engineer. The schedule shall indicate the		
43		tor's proposed activities for the forthcoming week along with the hours of work. This will		
44	-	he Engineer to more effectively provide the contract engineering and inspection for the tor's operations.		
45 46	Contract			
47	The wri	tten weekly activity schedule shall be submitted to the Engineer or a designated assistant		
48		he end of the last shift on the next to the last working day of the week preceding the indicated		
49	activities	s, or other mutually agreeable time.		
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- If the Contractor proceeds with work not indicated on the weekly activity schedule, or in a sequence differing from that which has been shown on the schedule, the Engineer may require the Contractor
- to delay unscheduled activities until they are included on a subsequent weekly activity schedule.
  - Separately, and in addition to the weekly schedule, the Contractor shall submit weekly a summary of project activities to the Engineer. The summary of activities shall include a report of the nature and progress of each of the major activities that were advanced on the project within the previous week.
  - It shall be sufficiently detailed that a composite history of the project develops. The locations and approximate quantity guardrail and traffic control work shall be reported. Unusual activity, and conditions or events that may affect the course of the project shall also be reported.

# 1-08.4 Prosecution of Work

Delete this section and replace it with the following:

# 1-08.4 Notice to Proceed and Prosecution of Work

(July 23, 2015 APWA GSP)

20 21 Notice to Proceed will be given after the contract has been executed and the contract bond and 22 evidence of insurance have been approved and filed by the Contracting Agency. The Contractor 23 shall not commence with the work until the Notice to Proceed has been given by the Engineer. The 24 Contractor shall commence construction activities on the project site within ten days of the Notice to 25 Proceed Date, unless otherwise approved in writing. The Contractor shall diligently pursue the 26 work to the physical completion date within the time specified in the contract. Voluntary shutdown 27 or slowing of operations by the Contractor shall not relieve the Contractor of the responsibility to 28 complete the work within the time(s) specified in the contract. 29

- When shown in the Plans, the first order of work shall be the installation of high visibility fencing to delineate all areas for protection or restoration, as described in the Contract. Installation of high visibility fencing adjacent to the roadway shall occur after the placement of all necessary signs and traffic control devices in accordance with 1-10.1(2). Upon construction of the fencing, the Contractor shall request the Engineer to inspect the fence. No other work shall be performed on the site until the Contracting Agency has accepted the installation of high visibility fencing, as described in the Contract.
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# **1-08.5** Time for Completion

<sup>39</sup> (September 12, 2016 APWA GSP, Option B)

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<sup>43</sup> Contract time shall begin on the first working day following the <u>\$\$14 \$\$</u> calendar day after <u>the</u>
 <sup>44</sup> <u>Notice to Proceed date.</u> If the Contractor starts work on the project at an earlier date, then
 <sup>45</sup> contract time shall begin on the first working day when onsite work begins.

Each working day shall be charged to the contract as it occurs, until the contract work is physically complete. If substantial completion has been granted and all the authorized working days have been used, charging of working days will cease. Each week the Engineer will provide the Contractor a statement that shows the number of working days: (1) charged to the contract the week before; (2) specified for the physical completion of the contract; and (3) remaining for the physical completion of the contract. The statement will also show the nonworking days and any partial or whole day the

Engineer declares as unworkable. Within 10 calendar days after the date of each statement, the 1 Contractor shall file a written protest of any alleged discrepancies in it. To be considered by the 2 Engineer, the protest shall be in sufficient detail to enable the Engineer to ascertain the basis and 3 amount of time disputed. By not filing such detailed protest in that period, the Contractor shall be 4 deemed as having accepted the statement as correct. If the Contractor is approved to work 10 hours 5 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 6 worked would ordinarily be charged as a working day, then the fifth day of that week will be charged 7 as a working day whether or not the Contractor works on that day. 8 9 Revise the sixth paragraph to read: 10

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

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

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

- <sup>29</sup> This project shall be physically completed within \*\*\* 50 \*\*\* working days.
- 1-09, MEASUREMENT AND PAYMENT
- <sup>32</sup> 33 **1-09.9 Payments**
- <sup>34</sup> (March 13, 2012 APWA GSP)
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Delete the first four paragraphs and replace them with the following:

- <sup>38</sup> The basis of payment will be the actual quantities of Work performed according to the Contract and <sup>39</sup> as specified for payment.
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The Contractor shall submit a breakdown of the cost of lump sum bid items at the Preconstruction
 Conference, to enable the Project Engineer to determine the Work performed on a monthly basis.
 A breakdown is not required for lump sum items that include a basis for incremental payments as
 part of the respective Specification. Absent a lump sum breakdown, the Project Engineer will make

<sup>45</sup> a determination based on information available. The Project Engineer's determination of the cost of

- <sup>46</sup> work shall be final.
- 47

1 2 3 4	Progress payments for completed work and material on hand will be based upon progress estimates prepared by the Engineer. A progress estimate cutoff date will be established at the preconstruction conference.
5 6 7 8 9 10	The initial progress estimate will be made not later than 30 days after the Contractor commences the work, and successive progress estimates will be made every month thereafter until the Completion Date. Progress estimates made during progress of the work are tentative, and made only for the purpose of determining progress payments. The progress estimates are subject to change at any time prior to the calculation of the final payment.
11	The value of the progress estimate will be the sum of the following:
12 13	<ol> <li>Unit Price Items in the Bid Form — the approximate quantity of acceptable units of work completed multiplied by the unit price.</li> </ol>
14 15	<ol> <li>Lump Sum Items in the Bid Form — based on the approved Contractor's lump sum breakdown for that item, or absent such a breakdown, based on the Engineer's determination.</li> </ol>
16 17	<ol> <li>Materials on Hand — 100 percent of invoiced cost of material delivered to Job site or other storage area approved by the Engineer.</li> </ol>
18 19 20	<ol> <li>Change Orders — entitlement for approved extra cost or completed extra work as determined by the Engineer.</li> </ol>
21	Progress payments will be made in accordance with the progress estimate less:
22	1. Retainage per Section 1-09.9(1), on non FHWA-funded projects;
23	2. The amount of progress payments previously made; and
	3. Funds withheld by the Contracting Agency for disbursement in accordance with the Contract
24 25 26	Documents.
27 28 29	Progress payments for work performed shall not be evidence of acceptable performance or an admission by the Contracting Agency that any work has been satisfactorily completed. The determination of payments under the contract will be final in accordance with Section 1-05.1.
30	1-09.9(1) Retainage
31 32 33	Section 1-09.9(1) is supplemented with the following:
34	Retainage of 5 percent shall be as required by RCW 60.28.011.
35 36 27	1-09.11 Disputes and Claims
37 38 39 40	<b>1-09.11(3)</b> Time Limitation and Jurisdiction (July 23, 2015 APWA GSP)
41 42	Revise this section to read:
43	For the convenience of the parties to the Contract it is mutually agreed by the parties that any
44	claims or causes of action which the Contractor has against the Contracting Agency arising from
45	the Contract shall be brought within 180 calendar days from the date of final acceptance (Section 1-
46	05.12) of the Contract by the <u>Contracting Agency</u> ; and it is further agreed that any such claims or
47	causes of action shall be brought only in the Superior Court of the county where the Contracting
48 49	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 <u>Contracting Agency</u> arising from the
 Contract are filed with the <u>Contracting Agency</u> or initiated in court, the Contractor shall permit the
 <u>Contracting Agency</u> to have timely access to any records deemed necessary by the <u>Contracting</u>
 <u>Agency</u> to assist in evaluating the claims or action.

### 1-09.13 Claims Resolution

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

- <u>(October 1, 2005 APWA GSP)</u>
- 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)
- <sup>23</sup> 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.

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### 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 39 Sections 1-09.11 through 1-09.13(1) of the Standard Specifications. The provisions of these 40 sections must be complied with in full as a condition precedent to the Contractor's right to seek 41 claims resolution through arbitration or litigation. The Contractor may file with the Engineer a 42 request for binding arbitration; the Engineer's decision regarding that request shall be final and 43 unappealable. Nothing in this paragraph affects or tolls the limitations period as set forth in 44 Section 1-09.11(3) of the Standard Specifications. However, if the Contractor files a lawsuit raising 45 any claim(s) arising from the contract, the parties shall, if the Engineer so directs, submit such 46 claim(s) to binding arbitration, subject to the rights of any party thereto to file with the Lewis County 47 Superior Court motions to dismiss or for summary judgment at any time. In any binding arbitration 48 proceeding, the provisions of subparagraphs (a) and (b) shall apply. 49

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- a) Unless the parties otherwise agree, all disputes subject to arbitration shall be heard in a single arbitration hearing, and then only after completion of the contract. The parties

shall be bound by Ch. 7.04 RCW generally, and by the arbitration rules hereafter stated, and shall, for purposes of administration of the arbitration, comply where applicable with the 1994 Lewis County Superior Court Mandatory Arbitration Rules (LMAR) sections 1.1(b), 1.3, 2.3, 3.1, 3.2(a) and (b), 5.1, 5.2 (except as referenced to MAR 5.2), 5.3, 6.1, 6.2 (including the referenced MAR 6.2), and 8.6. There shall be one arbitrator, to be chosen by mutual agreement of the parties from the list provided by the Lewis County Superior Court Administrator. If the parties cannot agree on a person to serve as arbitrator, the matter shall be submitted for appointment of an arbitrator under LMAR 2.3. The arbitrator shall determine the scope and extent of discovery, except that the Contractor shall provide and update the information required by Section 1-09.11(2) of the Standard Specifications. Additionally, each party shall file a statement of proof with the other party and the arbitrator at least 20 calendar days before the scheduled arbitration hearing. The statement of proof shall include:

- 1. The name, business address and contact telephone number of each witness who will testify at the hearing.
- 2. For each witness to be offered as an expert, a statement of the subject matter and a statement of the facts, resource materials (not protected by privilege) and learned treatises upon which the expert is expected to testify and render an opinion(s), synopsis of the basis for such opinion(s), and a resume of the expert detailing his/her gualifications as an expert and pursuant to rendering such opinion(s). A list of documents and other exhibits the party intends to offer in evidence at the arbitration hearing. Either party may request a copy of any document listed, and a copy or description of any other exhibit listed. The party receiving the request shall provide the copies or description within five (5) calendar days. The parties or arbitrator may subpoena parties in accordance with the Superior Court Mandatory Arbitration Rules (MAR) of Washington, Rule 4.3, and witness fees and costs shall be provided for under Rule 6.4, thereof. The arbitrator may permit a party to call a witness or offer a document or other exhibit not included in the statement of proof only upon a showing of good cause.
- b) The arbitration hearing shall be conducted at a location within Lewis County, Washington. The extent of application of the Washington Rules of Evidence shall be determined in the exercise of sound discretion of the arbitrator, except that such Rules should be liberally construed in order to promote justice. The parties should stipulate to the admission of evidence when there is no genuine issue as to its relevance or authenticity. The decision of the arbitrator and the specific grounds for the decision shall be in writing. The arbitrator shall use the contract as a basis for its decisions. The County and the Contractor agree to be bound by the decision of the arbitrator, subject to such remedies as are provided in Ch. 7.04 RCW. Judgment upon the award rendered by the arbitrator shall be entered as judgment before the presiding judge of the Superior Court for Lewis County. Each party shall bear its own costs in connection with the arbitration. Each party shall pay one-half of the arbitrator's fees and expenses.

Lewis County Central Transfer Station Repairs County Project No. RESWCT

# NOTE TO CONTRACTOR:

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

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

The following Consultant Sections:

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

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

Lewis County Central Transfer Station Repairs County Project No. RESWCT

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2	SECTION 03 05 05	
3	CONCRETE TESTING AND INSPECTION	
5 <b>PA</b>	1 - GENERAL	
6 <b>1.1</b>	SUMMARY	
7 8 9 10 11 12 13	<ol> <li>Section Includes:         <ol> <li>Contractor requirements for testing of concrete and grout.</li> <li>Definition of Owner provided testing.</li> <li>Acceptance criteria for concrete.</li> </ol> </li> <li>Related Specification Sections include but are not necessarily limited to:         <ol> <li>Section 03 09 00 – Concrete</li> <li>Section 03 15 19 – Concrete Anchorage</li> </ol> </li> </ol>	
14 <b>1.2</b>		
14     1.2       15     16       17     18       19     20       21     22       23     24       25     26       27     28       29     30	<ol> <li>Owner will hire an independent Testing Agency/Service Provider to perform the following testing and inspection and provide test results to the Engineer and Contractor.</li> <li>Testing and inspection of concrete and grout produced for incorporation into the work during the construction of the Project for compliance with the Contract Documents.</li> <li>Additional testing or retesting of materials occasioned by their failure, by test or inspection, to meet requirements of the Contract Documents.</li> <li>Strength testing on concrete required by the Engineer or Special Inspector when the water- cement ratio exceeds the water-cement ratio of the typical test cylinders.</li> <li>In-place testing of concrete as may be required by Engineer when strength of structure is considered potentially deficient.</li> <li>Other testing services needed or required by Contractor such as field curing of test specimens and testing of additional specimens for determining when forms, form shoring or reshoring may be removed.</li> <li>Owner will pay for services defined in Paragraph 1.2A.1.</li> </ol>	
<ul> <li>31</li> <li>32</li> <li>33</li> <li>34</li> <li>35</li> <li>36</li> <li>37</li> <li>38</li> <li>39</li> <li>40</li> <li>41</li> <li>42</li> <li>43</li> <li>44</li> <li>45</li> <li>46</li> <li>47</li> </ul>	<ol> <li>Contractor shall hire a qualified testing agency to perform the following testing and provide test results to the Engineer.</li> <li>Testing of materials and mixes proposed by the Contractor for compliance with the Contract Documents and retesting in the event of changes.</li> <li>Additional testing and inspection required because of changes in materials or proportions requested by Contractor.</li> <li>Contractor shall pay for services defined in Paragraphs 1.2B.1. and 1.2B.2.</li> <li>Contractor shall reimburse Owner for testing services defined in Paragraphs 1.2A.2., 1.2A.3, 1.2A.4. and 1.2A.5.</li> <li>Duties and Authorities of Testing Agency/Service Provider:         <ol> <li>Any Testing Agency/Service Provider or agencies and their representatives retained by Contractor or Owner for any reason are not authorized to revoke, alter, relax, enlarge, or release any requirement of Contract Documents, nor to reject, approve or accept any portion of the Work.</li> </ol> </li> <li>Testing Agency/Service Provider shall inform the Contractor and Engineer regarding acceptability of or deficiencies in the work including materials furnished and work performed by Contractor that fails to fulfill requirements of the Contract</li> </ol>	,

1		Documents.
2		3. Testing Agency to submit test reports and inspection reports to Engineer and
3		Contractor immediately after they are performed. a. All test reports to include exact location in the work at which batch represented by
4		<ul> <li>All test reports to include exact location in the work at which batch represented by a test was deposited.</li> </ul>
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6		<ul> <li>B. Reports of strength tests to include detailed information on storage and curing of specimens prior to testing.</li> </ul>
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8		4. Owner retains the responsibility for ultimate rejection or approval of any portion of
9		the Work.
10	1.3	QUALITY ASSURANCE
11		A. Referenced Standards:
12		1. American Concrete Institute (ACI):
13		a. 318, Building Code Requirements for Structural Concrete.
14		2. ASTM International (ASTM):
15		a. ASTM Cement and Concrete Reference Laboratory (CCRL).
16		b. C31, Standard Practice for Making and Curing Concrete Test Specimens in the Field.
17		c. C39, Standard Test Method for Compressive Strength of Cylindrical
18		Concrete Specimens. d. C94, Standard Specification for Ready-Mixed Concrete.
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20		e. C138, Standard Test Method for Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete.
21 22		f. C143, Standard Test Method for Slump of Hydraulic-Cement Concrete.
23		g. C172, Standard Practice for Sampling Freshly Mixed Concrete.
24		h. C173, Standard Test Method for Air Content of Freshly Mixed Concrete by
25		the Volumetric Method.
26		i. C231, Standard Test Method for Air Content of Freshly Mixed Concrete by
27		the Pressure Method.
28		j. C1218 Standard Test for Water-Soluble Chloride in Mortar
29		k. E329 Standard Specification for Agencies Engaged In Construction Inspection
30		3. Building Code : International Code Council ICCES Reports
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32		B. Qualifications:
33		1. Contractor's Testing Agency:
34		<ul> <li>a. Meeting requirements of ASTM E329 and ASTM C94.</li> <li>b. Provide evidence of recent inspection by CCRL of NBS, and correction of</li> </ul>
35		<ul> <li>b. Provide evidence of recent inspection by CCRL of NBS, and correction of deficiencies noted.</li> </ul>
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37		C. Use of Testing Agency and approval by Engineer of proposed concrete mix design shall in
38		no way relieve Contractor of responsibility to furnish materials and construction in full
39		compliance with Contract Documents.
40	1.4	DEFINITIONS
41		A. Testing Agency/Service Provider: An independent professional testing/inspection firm or
42		service hired by Contractor or by Owner to perform testing, inspection or analysis
43		services as directed, and as provided in the Contract Documents.
44	1.5	SUBMITTALS
45		A. Shop Drawings:
46		1. Product technical data including:
47		a. Concrete materials and concrete mix designs proposed for use.
48		1) Include results of all testing performed to qualify materials and to establish
49		mix designs.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	<ul> <li>2) Place no concrete until approval of mix designs has been received in writing.</li> <li>3) Submittal for each concrete mix design to include: <ul> <li>a) Sieve analysis and source of fine and coarse aggregates.</li> <li>b) Test for aggregate organic impurities.</li> <li>c) Proportioning of all materials.</li> <li>d) Type of cement with mill certificate for the cement.</li> <li>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.</li> <li>f) Slump.</li> <li>g) Brand, type and quantity of air entrainment and any other proposed admixtures.</li> <li>h) Total water soluble chloride ion concentration in hardened concrete from all ingredients determined per ASTM C1218.</li> <li>i) 28-day compression test results and any other data required by Specifications:</li> </ul> </li> <li>a. Testing Agency qualifications.</li> </ul>
18	PART 2 - PRODUCTS - (NOT APPLICABLE TO THIS SPECIFICATION SECTION) PART 3 -
19	EXECUTION
20	3.1 TESTING SERVICES TO BE PERFORMED SERVICE PROVIDER/TESTING AGENCY
22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46	<ol> <li>Concrete strength testing:         <ul> <li>Secure concrete samples in accordance with ASTM C172.</li> <li>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.</li> <li>For each strength test, mold and cure cylinders from each sample in accordance with ASTM C31.             <ol> <li>Record any deviations from requirements on test report.</li> <li>Cylinder size: Per ASTM C31.</li></ol></li></ul></li></ol>
47 48	<ul> <li>b) Hold remaining cylinders in reserve, for testing to verify strength.</li> <li>e. Strength test result:</li> </ul>

1		1) Average of strengths of two (2) 6 IN DIA cylinders or three (3) 4 IN DIA cylinders
2		from the same sample tested at 28 days.
3		2) If one (1) cylinder in a test manifests evidence of improper sampling, molding,
4		handling, curing, or testing, discard and test reserve cylinder(s); average
5		strength of remaining cylinders shall be considered strength test result.
6		3) Should all cylinders in any test show any of above defects, discard entire test.
7		f. Frequency of tests:
8		1) Concrete topping: One (1) strength test for each 10 CY of each type of concrete
9		or fraction thereof placed.
10		2. Slump testing:
11 12		<ul> <li>a. Determine slump of concrete sample for each strength test.</li> <li>1) Determine slump in accordance with ASTM C143.</li> </ul>
13		<ul> <li>b. If consistency of concrete appears to vary, the Engineer or Owner's</li> <li>Pepresentative shall be authorized to require a slump test for each concrete</li> </ul>
14		Representative shall be authorized to require a slump test for each concrete truck.
15		1) This practice shall continue until three consecutive batches are determined to
16 17		be consistent and meet the slump requirements specified.
18		3. Air content testing: Determine air content of concrete sample for each strength test
19		in accordance with either ASTM C231, ASTM C173, or ASTM C138.
20		4. Temperature testing: Determine temperature of concrete sample for each strength test.
21		5. In-place concrete testing (if required).
	3.2	SPECIAL INSPECTIONS
22	5.2	
23		A. General.
24		<ol> <li>Special Inspections listed are for the Contractor reference only and is not part of the Contract Decomposite</li> </ol>
25		the Contract Documents.
26		2. It is included to assist the Contractor in understanding the Owner-provided Services so
27		that those services may be factored into the Contractor's pricing and schedule.
28		3. Mixing, Placing, Jointing, and Curing Special Inspections:
29		<ol> <li>Perform concrete tests per the requirements of this Specification Section.</li> <li>Verification of proper mix design.</li> </ol>
30		<ol> <li>Verification of proper mix design.</li> <li>a. Frequency: Periodically, prior to each concrete pour.</li> </ol>
31		3. Proper concrete placement techniques.
32		a. Inspect per requirements of Section 03 09 00.
33 34		b. Frequency: During each concrete pour.
35		4. Proper curing temperature and techniques.
36		a. Inspect per requirements of Section 03 09 00.
37		b. Frequency: Periodically, but not less than every third day.
38		5. Joints:
39		a. Inspect joints for proper joint type, dimensions, reinforcing, dowel alignment,
40		surface preparation and location.
41		b. Frequency: Prior to each concrete pour.
42		2. Anchorage to Concrete Special Inspection:
43		1. Post installed anchors as required by the Building Code, ICC-ES Evaluation Reports,
44		and as specified by the Engineer.
45		a. Frequency: Per ICC-ES Report.
46		2. Cast-in-place concrete anchors, including anchor size, embedment, material and location
47		a. Frequency: Prior to each concrete pour.
48	3.3	SAMPLING ASSISTANCE AND NOTIFICATION FOR OWNER
49		A. To facilitate testing and inspection, perform the following:
50		1. Furnish any necessary labor to assist Testing Agency in obtaining and handling

1		samples at site.	
2		<ol> <li>Provide and maintain for sole use of Testing Agency adequate facilities for safe storag</li> </ol>	e
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		3. 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	
9 10		without qualification.	
11 12		<ol> <li>Completed concrete work which fails to meet one or more requirements but which has been repaired to bring it into compliance will be accepted without qualification.</li> </ol>	
13		C. Completed concrete work which fails to meet one or more requirements and which cannot	t
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:	
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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 function of the member.	
29			
30		F. High Water-Cement Ratio:	
31		<ol> <li>Concrete with water in excess of the specified maximum water-cement ratio will be rejected.</li> </ol>	
32 33		<ol> <li>Remove and replace concrete with high water-cement ratio or make other</li> </ol>	
34		corrections as directed by Engineer.	
		G. Strength of Structure:	
35 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		<ul><li>accordance with specified quality standards.</li><li>b) For evaluation of potential strength and uniformity, each mix design shall</li></ul>	
44 45		be represented by at least three (3) strength tests.	
45 46		c) A strength test shall be the average of two (2) 6 IN diameter cylinders or the	ee
47		(3) 4 IN diameter cylinders from the same sample tested at 28 days.	
48		2) Acceptance:	
		unty Central Transfer Station Repairs 41	
	County	roject No. RESWCT	

<ul> <li>a) Strength revel of each specified compressive strength statu by considered satistactory if both of the following requirements are met:         <ol> <li>Average of all sets of three (3) consecutive strength tests equal or exceed the required specified 28 day compressive strength.</li> <li>(a) No individual strength best fails below the required specified 28 day compressive strength.</li> <li>Concrete which differs from required dimensions or location in such a manner as to reduce strength.</li> <li>Contrate which differs from required dimensions or location in such a manner as to reduce strength.</li> <li>Contrate which differs from required dimensions or location in such a manner as to reduce strength.</li> <li>Contrate defacts such as voids, honeycomb, cold joints, spalling, cracking, etc., likely to result in deficient strength.</li> <li>Concrete defacts such as voids, honeycomb, cold joints, spalling, cracking, etc., likely to result in deficient strength.</li> <li>Structura is considered potentially deficient.</li> <li>In-place testing of concrete may be required when strength of structure is considered potentially deficient.</li> <li>In-place testing of concrete may be required when strength at various locations in the structure of tores will be obtained in accordance with ASTM C42.</li> <li>Where required, test cores will be obtained in accordance with ASTM C42.</li> <li>Where required the service conditions, iset orres atter immersion in water for alwas 140 UHS and test wet.</li> <li>Where required test wet to devermine dy segificed to high moisture atmosphere under service conditions, test cores atter immersion in water for a least 40 UHS and test wet.</li> <li>The coation of cores shall be determined by Engineer.</li> <li>There (3) representative cocres may be taken from acch member or area of concrete in place</li></ol></li></ul>		Chronoth lovel of each encodied compressive strength shall be
<ul> <li>(1) Average of all sets of three (3) consecutive strength tests equal or exceed the required specified 28 day compressive strength</li> <li>(2) No individual strength test falls below the required 28 day compressive strength</li> <li>(3) Concrete which differs from required dimensions or location in such a manner as to reduce strength.</li> <li>(4) Inadequate protection of concrete from extremes of temperature during early stages of hardening and strength development.</li> <li>(5) Mochanical injury, construction fires, accidents or premature removal of formwork likely to result in deficient strength.</li> <li>(6) Correte defects such as voids, honeycomb, cold joints, spalling, cracking, etc., likely to result in deficient strength or durability.</li> <li>(7) Structural analysis aud/or additional testing may be required when strength of structure is considered potentially deficient.</li> <li>(8) Testing by impact hammer, sonoscope, or other nondestructive device may be permitted by Engineer to determine relative strengths at various locations in the structure of or selecting areas to be cored.</li> <li>(9) Where required, test cores will be obtained in accordance with ASTM C42.</li> <li>(9) 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</li> <li>(7) days before test then test dry.</li> <li>(9) Three (3) representative cores may be taken from each member or area of concrete in place that is considered potentially deficient.</li> <li>(9) Three (3) representative cores may be taken from each member or area of concrete in structure will be determined by Engineer.</li> <li>(7) days before test then test dry.</li> <li>(8) Three (3) representative cores may be taken from each member or area of concrete in structure will be determined by Engineer.</li> <li>(9) Three (3) representative cores may be taken from each member or area of concrete in</li></ul>	1	a) Strength level of each specified compressive strength shall be
<ul> <li>exceed the required specified 28 day compressive strength.</li> <li>(2) No individual strength test falls below the required specified 28 day compressive strength by more than 500 psi.</li> <li>b. Concrete which differs from required dimensions or location in such a manner as to reduce strength.</li> <li>c. Curing time and procedure not meeting requirements of this Specification Section.</li> <li>d. Inadequate protection of concrete from extremes of temperature during early stages of hardening and strength development.</li> <li>e. Mechanical injury, construction fires, accidents or premature removal of formwork likely to result in deficient strength or durability.</li> <li>Concrete defects such as voids, honeycomb, cold joints, spalling, cracking, etc., likely to result in deficient strength or durability.</li> <li>Structural analysis and/or additional testing may be required when strength of structure is considered potentially deficient.</li> <li>In-place testing of concrete may be required when strength of concrete in place is considered potentially deficient.</li> <li>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.</li> <li>b. Core tests:         <ul> <li>i) Where required, test cores will be obtained in accordance with ASTMC42.</li> <li>ii) Where requires to to 80 DegF, relative humidity less than 60 percent) for seven</li> <li>if concrete in structure will be edv or subjected to high moisture atmosphere under service conditions, test cores after immersion in water for at least 40 HRS and test wet.</li> <li>iii Concrete in structure will be wet or subjected to high moisture atmosphere under service conditions, test cores after immersion in water for a tleast 40 HRS and test wet.</li> <li>iii conchels with non-structure.</li> <li></li></ul></li></ul>		• • •
<ul> <li>(2) No individual strength test falls below the required specified 28 day compressive strength by more than 500 psi.</li> <li>b. Concrete which differs from required dimensions or location in such a manner as to reduce strength.</li> <li>c. Uning time and procedure not meeting requirements of this Specification Section.</li> <li>d. Inadequate profection of concrete from extremes of temperature during early stages of hardening and strength development.</li> <li>e. Mechanical injury, construction fires, accidents or premature removal of formwork likely to result in deficient strength.</li> <li>f. Concrete defects such as voids, honeycomb, cold joints, spalling, cracking, etc., likely to result in deficient strength or durability.</li> <li>Structural analysis and/or additional testing may be required when strength of structure is considered potentially deficient.</li> <li>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.</li> <li>b. Core tests:</li> <li>i) Where required, test cores will be obtained in accordance with ASTMC42.</li> <li>a) If concrete in structure will be dry under service conditions, air dry cores (remperature 60 to 80 DegF, relative humidity less than 60 percent) for seven</li> <li>c) Treet(3) representative cores may be taken from each member or area of concorter in place that is considered potentially deficient.</li> <li>b) If concrete in structure will be wet or subjected to high moisture atmosphere under service conditions, test cores after immersion in water for a tleast 40 HRS and test wet.</li> <li>c) Teeting wet or dry to be determined by Engineer.</li> <li>c) Location of cores shall be determined by Engineer so as least to inpair strength of three (3) cores is equal to at least 85 percent of specified atrength.</li> <li>d) Location of cores shall be determined by</li></ul>		
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1

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

2 3 4		7. Test for voids under AR plate by tapping with hammer at 12" centers.
5		END OF SECTION
6		SECTION 03 09 00
7		CONCRETE
8 9	PAF	RT 1 - GENERAL
10	1.1	SUMMARY
11 12		<ul> <li>A. Section Includes:</li> <li>1. Cast-in-place concrete.</li> </ul>
13 14 15		<ul> <li>B. Related Specification Sections include but are not necessarily limited to:</li> <li>1. Section 03 05 05 - Concrete Testing &amp; Inspection.</li> <li>2. Section 03 15 19 - Concrete Anchorage</li> </ul>
16	1.2	QUALITY ASSURANCE
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 24		<ul> <li>A. Referenced Standards: <ol> <li>American Concrete Institute (ACI): <ul> <li>a. 117, Specification for Tolerances for Concrete Construction and Materials.</li> <li>b. 212.3R, Chemical Admixtures for Concrete.</li> <li>c. 301 Specifications for Structural Concrete</li> <li>d. 304R, Guide for Measuring, Mixing, Transporting, and Placing Concrete.</li> <li>e. 304.2R, Placing Concrete by Pumping Methods.</li> <li>f. 305.1, Hot Weather Concreting.</li> <li>g. 306.1, Cold Weather Concreting.</li> <li>h. 318, Building Code Requirements for Structural Concrete.</li> <li>i. 347, Guide to Formwork for Concrete.</li> <li>j. CT-13, Concrete Terminology.</li> </ul> </li> <li>ASTM International (ASTM): <ul> <li>a. C31, Standard Practice for Making and Curing Concrete Test Specimens in the Field.</li> <li>b. C33, Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens.</li> <li>d. C94/C94M, Standard Specification for Ready-Mixed Concrete.</li> </ul> </li> </ol></li></ul>
34 35 36 37 38 39 40 41 42 43 44 45 46		<ul> <li>c. C131 Standard Test Method for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in Los Angeles Machine.</li> <li>f. C138, Standard Method of Test for Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete.</li> <li>g. C143, Standard Test Method for Slump of Hydraulic Cement Concrete.</li> <li>h. C150, Standard Specification for Portland Cement.</li> <li>i. C172, Standard Practice for Sampling Freshly Mixed Concrete.</li> <li>j. C173, Standard Test Method for Air Content of Freshly Mixed Concrete by the Volumetric Method.</li> <li>k. C231, Standard Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method.</li> <li>l. C260, Standard Specification for Air-Entraining Admixtures for Concrete.</li> </ul>
46 47 48 49		<ul> <li>n. C289, Standard Test Method for Potential Alkali-Silica Reactivity of Aggregates (Chemical Method).</li> <li>n. C309, Standard Specification for Liquid Membrane-Forming Compounds for</li> </ul>

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.
-		q. C1315, Standard Specification for Liquid Membrane-Forming Compounds Having
5		Special Properties for Curing and Sealing Concrete.D1751, Standard Specification
6		
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		<ul> <li>b. Concrete testing agency to meet requirements of ASTM E329.</li> </ul>
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.
20		C. Qualifications:
29 30		1. Ready mixed concrete batch plant certified by NRMCA.
		2. Formwork, shoring and reshoring for slabs and beams except where cast on ground
31		to be designed by a professional engineer currently registered in the state where the
32		Project is located.
33		-
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
44	1.7	
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		<ol> <li>Concrete mix designs proposed for use.</li> <li>a. Concrete mix design submittal to include the following information:</li> </ol>
49		

1				<ol> <li>Sieve analysis and source of fine and coarse aggregates.</li> </ol>
2				2) Test for aggregate organic impurities.
3				3) Test for deleterious aggregate per ASTM C289.
4				4) Proportioning of all materials.
5				5) Type of cement with mill certificate for cement.
6				6) Type of fly ash with certificate of conformance to specification requirements.
7				7) Slump.
8				8) Air content.
9				9) Brand, type, ASTM designation, and quantity of each admixture proposed for use.
10				10) 28-day cylinder compressive test results of trial mixes per ACI 318 and
11			2	as indicated herein.
12			3.	Product technical data including:
13				<ul><li>a. Acknowledgement that products submitted meet requirements of standards referenced.</li><li>b. Manufacturer's installation instructions.</li></ul>
14				
15				c. Manufacturers and types:
16				<ol> <li>Curing agents.</li> <li>Chemical hardener/sealer.</li> </ol>
17 18				3) Bonding mortar.
19				<ul><li>4) Construction joint bonding adhesive.</li></ul>
				5) Nonshrink grout with cure/seal compound.
20				6) Rebar corrosion inhibitor.
21			4.	Scaled (minimum 1/8 IN per foot) drawings showing proposed locations of
22			4.	construction joints, control joints, expansion joints (as applicable) and joint
23				dimensions.
24			5	Strength test results of in place concrete including slump, air content and
25			5.	•
26			6.	concrete temperature. Certifications:
27			0.	
28				<ul> <li>Certification of standard deviation value in psi for ready mix plant supplying the concrete.</li> </ul>
29				<ul> <li>b. Certification that the material and sources submitted in the mix design will be used</li> </ul>
30				÷
31			7	in the concrete for this project.
32			7.	Test reports:
33				a. Cement mill reports for all cement to be supplied.
34	1.5	DE	ELIN	/ERY, STORAGE, AND HANDLING
35		А.		orage of Material:
36			1.	Cement and pozzolan:
37				a. Store in moistureproof, weathertight enclosures.
38			•	b. Do not use if caked or lumpy.
39			2.	Aggregate:
40				a. Store to prevent segregation and contamination with other sizes or foreign materials.
41				<ul> <li>b. Obtain samples for testing from aggregates at point of batching.</li> <li>c. Do not use frozen or partially frozen aggregates.</li> </ul>
42				d. Do not use bottom 6 IN of stockpiles in contact with ground.
43				e. Allow sand to drain until moisture content is uniform prior to use.
44			3.	Admixtures:
45			5.	a. Protect from contamination, evaporation, freezing, or damage.
46				<ul> <li>b. Maintain within temperature range recommended by manufacturer.</li> </ul>
47 48				c. Completely mix solutions and suspensions prior to use.
49			4.	Reinforcing steel: Support and store all rebars above ground.
		ъ		
50		В.		elivery:
51			1.	Concrete:
52				a. Prepare a delivery ticket for each load for ready-mixed concrete.

1		b. Truck operator shall hand ticket to Owner's Representative at the time of delivery.
2		c. Ticket to show:
3		1) Mix identification mark.
4		2) Quantity delivered.
5		3) Amount of each material in batch.
6		4) Outdoor temp in the shade.
7		5) Time at which cement was added.
8		6) Numerical sequence of the delivery.
9		7) Amount of water added.
10		PART 2 - PRODUCTS
11	2.1	ACCEPTABLE MANUFACTURERS
12		A. Subject to compliance with the Contract Documents, the following products and
13		manufacturers are acceptable:
14		1. Chemical Floor Hardener/Sealer.:
15		a. L&M Construction Chemicals, Inc.
16		b. Euclid Chemical Company.
17		c. Dayton Superior.
18		2. Corrosion Inhibitor:
19		a. SIKA
20		3. Repair Mortar :
21		a. SIKA
22		B. Submit request for substitution in accordance with Specification.
23	2.2	MATERIALS
24		A. Portland Cement: Conform to ASTM C150 Type I/II.
25		B. Fly Ash:
26		1. ASTM C618, Class F or Class C.
27		2. Nonstaining.
28		a. Hardened concrete containing fly ash to be uniform light gray color.
29		3. Maximum loss on ignition: 4 percent.
30		<ol> <li>Compatible with other concrete ingredients.</li> </ol>
31		
32		5. Obtain proposed fly ash from a source approved by the State Highway Department in
		<ol> <li>Obtain proposed fly ash from a source approved by the State Highway Department in the state where the Project is located for use in concrete for bridges.</li> </ol>
33		the state where the Project is located for use in concrete for bridges. C. Admixtures:
33 34		<ul><li>the state where the Project is located for use in concrete for bridges.</li><li>C. Admixtures:</li><li>1. Air entraining admixtures: ASTM C260.</li></ul>
		<ul> <li>the state where the Project is located for use in concrete for bridges.</li> <li>C. Admixtures: <ol> <li>Air entraining admixtures: ASTM C260.</li> <li>Water reducing, retarding, and accelerating admixtures:</li> </ol> </li> </ul>
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34 35		<ul> <li>the state where the Project is located for use in concrete for bridges.</li> <li>C. Admixtures: <ol> <li>Air entraining admixtures: ASTM C260.</li> <li>Water reducing, retarding, and accelerating admixtures: <ol> <li>ASTM C494 Type A through E.</li> <li>Conform to provisions of ACI 212.3R.</li> </ol> </li> </ol></li></ul>
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34 35 36 37		<ul> <li>the state where the Project is located for use in concrete for bridges.</li> <li>C. Admixtures: <ol> <li>Air entraining admixtures: ASTM C260.</li> </ol> </li> <li>Water reducing, retarding, and accelerating admixtures: <ol> <li>ASTM C494 Type A through E.</li> <li>Conform to provisions of ACI 212.3R.</li> <li>Do not use retarding or accelerating admixtures unless specifically approved in writing by Engineer and at no cost to Owner.</li> </ol> </li> </ul>
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1	D.	Water: Potable, clean, free of oils, acids and organic matter.
2	E.	Aggregates:
3		1. Normal weight concrete: ASTM C33, except as modified below.
4		2. Fine aggregate:
5		a. Clean natural sand.
6		b. No manufactured or artificial sand.
7		3. Coarse aggregate:
8		<ul> <li>a. Crushed rock, natural gravel, or other inert granular material, S.G &gt;2.67.</li> <li>b. Maximum loss of abrasion of 16%, per ASTM C131, Grading B.</li> </ul>
9		4. Gradation of coarse aggregate:
10 11		a. All concrete: Size #57.
	Б	
12	Г.	Synthetic Fibers (Macro): 1. 100% Poly Propylene/polyethylene blend, fibrollated Macro fibers, specifically
13		manufactured for use in concrete.
14 15		2. Physical Characteristic:
16		a. Specific Gravity .91
17		b. Tensile Strength 85 ksi
18		c. Fiber Length = 2" min. d. Re3
19		≥31%
20	G.	Chemical Floor Hardner/Sealer:
21		1. Colorless deep penetrating solution containing 100% active silicate chemicals with non-
22		acid penetrant.
23		2. Similar "Seal Hard" by L&M or "Diamond Hard" by Enclid.
24		3. Meets Fed Spec CEGS 0330
25	н	Bonding Grout
26	11.	1. One part cement to one part aggregate.
27		2. Mix cement and aggregate.
28		3. Mix bonding agent and water together in separate container in accordance
29		with manufacturer's instructions.
30		4. Add bonding agent/water mixture to cement/aggregate mixture.
31		5. Mix to consistency of thick cream.
32		6. Bonding agent itself may be used as bonding grout if approved by Engineer.
33	I.	Membrane Curing Compound:
34		1. ASTM C309, Type II-B.
35		2. Resin based, dissipates upon exposure to UV light.
36		3. Curing compound shall not prevent bonding of any future coverings, coatings or finishes.
37	J.	Corrosion Inhibitor:
38		1. Similar to SIKA FERRO-GARD 903.
39	K.	Repair Mortar:
40		1. Two component, polymer modified, cementicious, non-sag mortar.
41		2. 28 day compressive strength = 6,000 psi.
42		3. Similar to SIKA TOP 123 Plus or equal.
43 <b>2</b> .	.3 CO	ONCRETE MIXES
44	A.	General:
45		1. All concrete to be ready mixed concrete conforming to ASTM C94/C94M.
46		2. Provide concrete of specified quality capable of being placed without segregation and,
47		when cured, of developing all properties required.
48		3. All concrete to be normal weight concrete except where lightweight concrete is indicated
49		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:

		SPECIFIED
TYP	WEIGHT	STRENGTH*
All other general use	Normal	6,000 psi

\* 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.
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- 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:

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			MAXIMUM	
SPECIFI FD	1/2	3/4	1 IN	WATER CEMENT
6,00	658	658	658	0.3

3. Fly ash:

- a. For cast-in-pace 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. Synthetic Macro Fiber:
  - a. Dosage:
    - 1) Determined by Contractor and concrete supplier as required to meet the

1		specified minimum average residual strength.
2		2) Per ASTM C1399 and ASTM C1609.
3		3) Under no circumstances shall dosage be less than:
4		a) 3 LBS per cubic yard for all specified locations.
5		5. Concrete mix proportioning methods for normal weight concrete:
6		a. Proportion mixture to provide desired characteristics using one of methods
7		described below:
8		<ol> <li>Method 1 (Trial Mix):</li> <li>a) Per ACI 318, Chapter 26, except as modified herein.</li> </ol>
9 10		<ul> <li>b) Air content within range specified above.</li> </ul>
11		c) Record and report temperature of trial mixes.
12		d) Proportion trial mixes per ACI 301
13		2) Method 2 (Field Experience):
14		a) Per ACI 318, Chapter 26, except as modified herein:
15		b) Field test records must be acceptable to Engineer to use this method.
16		c) Test records shall represent materials, proportions and conditions similar
17		to those specified. 6. Required average strength to exceed the specified 28-day compressive strength by the
18		amount determined or calculated in accordance with the requirements of ACI 301 using
19 20		the standard deviation of the proposed concrete production facility.
20		
22		PART 3 - EXECUTION
23	3.1	EXISTING FLOOR SLAB SURFACE PREPARATION
24 25		A. Saw cut perimeter of work areas and prepare existing slab surface to receive new topping as shown in the Drawings along the repair and overlay boundaries.
26		B. Prepare all remaining surfaces to be repaired or overlayed using shot-blasting, scabblers,
27		hydro- demolition, or concrete milling machines to remove all deleterious material and create
28		a surface profile of 1/8 IN amplitude.
29		1. Acid-etched surface preparations are not acceptable.
30		2. Surface preparation shall result in a surface profile acceptable to the bonding
31		agent manufacturer, both in terms of amplitude and removal of surface grease,
32		<ul><li>oils, or other materials that may adversely affect the bond of the topping.</li><li>3. Surface preparation must be meet a minimum of ICRI CSP 7-9.</li></ul>
33		
34		C. Clean scarified surface thoroughly until all laitance, dirt and similar deleterious materials
35		have been removed.
36		D. Survey the surface of the existing slab.
37		1. Map and report to the Owner's representative any existing cracks that might telegraph
38		through the topping. The Owner's representative shall evaluate any such cracks for the
39		need for additional repair prior to repair or topping placement. 2. Map and record location of existing slab joints. Field verify slab joint layout shown
40 41		on Drawings
41	3.2	EXISTING CONCRETE CRANE BEAMS AND PUSH WALLS SURFACE PREPARATION
	0.2	
43		A. Saw cut ½" depth on perimeter of work areas and prepare existing concrete surfaces for repair mortar installation.
44		
45		<ul> <li>B. Remove all surfaces down to sound, clean concrete to 1/8" amplitude.</li> <li>Clean prepared surfaces of all laiteness all distance inside delatarious conditions.</li> </ul>
46		C. Clean prepared surface of all laitance, oil, dirt and similar deleterious conditions.
		D. Clean exposed reinforcing and coat with bonding/corrosion inhibitor.

1 2 3		E.	Install bonding agent on all exposed concrete surfaces to receive repair mortar, per manufacturers recommendations.
4 5	3.3	FC	DRMING AND PLACING CONCRETE
6 7 8 9 10 11 12 13		A.	<ul> <li>Construction and Contraction Joints:</li> <li>Locate joints as indicated on Contract Drawings or as shown on approved Shop Drawings.</li> <li>Unplanned construction joints will not be allowed.</li> <li>Locate construction joints in floor topping as noted on drawings.</li> <li>At least 48 HRS shall elapse between placing of adjoining concrete construction.</li> <li>Thoroughly clean and remove all laitance and loose and foreign particles from construction joints.</li> <li>Before new concrete is placed, dampen concrete surfaces.</li> </ul>
14 15 16 17 18 19 20			<ol> <li>Placing Concrete:</li> <li>Place concrete in compliance with ACI 304R and ACI 304.2R.</li> <li>Place in a continuous operation within planned joints or sections.</li> <li>Begin placement when work of other trades affecting concrete is completed.</li> <li>Place concrete by methods which prevent aggregate segregation.</li> <li>Do not allow concrete to free fall more than 1 FT.</li> <li>Consolidation: Consolidate all concrete using hand rodding and tamping only, no vibrating.</li> </ol>
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37			<ul> <li>Protection:</li> <li>Protect concrete from physical damage or reduced strength due to weather extremes.</li> <li>In cold weather comply with ACI 306.1 except as modified herein. <ul> <li>a. Do not place concrete on frozen ground or in contact with forms or reinforcing bars coated with frost, ice or snow.</li> <li>b. Do not place heated concrete that is warmer than 80 DegF.</li> <li>c. If freezing temperatures are expected during curing, maintain the concrete temperature at or above 50 DegF for 7 days or 70 DegF for 3 days.</li> <li>d. Do not allow concrete to cool suddenly.</li> </ul> </li> <li>3. In hot weather comply with ACI 305.1 except as modified herein. <ul> <li>a. At air temperature of 90 DegF and above, keep concrete as cool as possible during placement and curing.</li> <li>b. Do not allow concrete temperature to exceed 90 DegF at placement.</li> <li>c. Prevent plastic shrinkage cracking due to rapid evaporation of moisture.</li> <li>d. Do not place concrete when the actual or anticipated evaporation rate equals or exceeds <ul> <li>0.2 LBS/SF/HR as determined from ACI 305.1, Figure 2.1.5.</li> </ul> </li> </ul></li></ul>
38 39 40 41 42 43 44 45 46			<ol> <li>Curing:         <ol> <li>Begin curing concrete as soon as free water has disappeared from exposed surfaces.</li> <li>Cure concrete by use of moisture retaining cover, burlap kept continuously wet or by membrane curing compound.</li> </ol> </li> <li>Provide protection as required to prevent damage to concrete and to prevent moisture loss from concrete during curing period.</li> <li>Provide curing for minimum of 14 days.</li> <li>In hot weather follow curing procedures outlined in ACI 305.1.</li> <li>In cold weather follow curing procedures outlined in ACI 306.1.</li> </ol>
47	3.4	RE	EPAIR MORTAR INSTALLATION
48 49			<ol> <li>Apply repair mortar in maximum 1 ½" lifts, as recommended by manufacturer.</li> <li>Cure installed mortar per manufacturers recommendations.</li> </ol>

1	3.5 C	ONCRETE FINISHES
2	А	. Tolerances:
3		1. Class A: 1/4 IN in 10 FT.
4	В	Surfaces Exposed to View:
5		1. Provide a smooth finish for Tipping floor concrete surface.
6		2. Match adjacent concrete surfaces for repair mortar surfaces.
7	С	Surfaces Not Exposed to View:
8		1. Patch voids, air pockets and honeycomb areas below AR plate with pressurized non-
9		shrink cement grout.
10	D	. Slab Float Finish:
11		1. After concrete has been placed, consolidated, struck off, and leveled, do no further
12		work until ready for floating.
13		2. Do not use water to aid in finishing.
14		<ol> <li>Begin floating when water sheen has disappeared and surface has stiffened sufficiently to permit operation.</li> </ol>
15 16		4. During or after first floating, check planeness of entire surface with a 10 FT
17		straightedge applied at not less than two different angles.
18		5. Cut down all high spots and fill all low spots during this procedure to produce a
19		surface within Class A tolerance throughout.
20		6. Refloat slab immediately to a uniform sandy texture.
21	E	Troweled Finish of Concrete Floor Overlay:
22		1. Bull float finish surface and leave rough (DO NOT HAND TROWEL). 2.
23	_	3. Do not use water to aid in finishing. 4.
24	5.	Leave finished surface essentially free of trowel marks, uniform in texture and bearance and plane to a Class A tolerance.
25	au	Jealaille allu vialle lu a viass A luiciaille.
		· · · · · · · · · · · · · · · · · · ·
26	3.6 F	IELD QUALITY CONTROL
27	3.6 F	IELD QUALITY CONTROL Owner will employ and pay for services of a concrete testing laboratory to perform
27 28	3.6 F	<ul> <li>IELD QUALITY CONTROL</li> <li>Owner will employ and pay for services of a concrete testing laboratory to perform testing of concrete placed during construction.</li> </ul>
27 28 29	3.6 <b>F</b>	<ul> <li><b>IELD QUALITY CONTROL</b></li> <li>Owner will employ and pay for services of a concrete testing laboratory to perform testing of concrete placed during construction.</li> <li>1. Contractor to cooperate with Owner in obtaining and testing samples.</li> </ul>
27 28 29 30	3.6 <b>F</b>	<ul> <li>IELD QUALITY CONTROL</li> <li>Owner will employ and pay for services of a concrete testing laboratory to perform testing of concrete placed during construction.</li> <li>Contractor to cooperate with Owner in obtaining and testing samples.</li> <li>Tests During Construction:</li> </ul>
27 28 29	3.6 <b>F</b>	<ul> <li>IELD QUALITY CONTROL</li> <li>Owner will employ and pay for services of a concrete testing laboratory to perform testing of concrete placed during construction.</li> <li>Contractor to cooperate with Owner in obtaining and testing samples.</li> <li>Tests During Construction:</li> <li>Strength test:</li> </ul>
27 28 29 30 31 32	3.6 <b>F</b>	<ul> <li>IELD QUALITY CONTROL</li> <li>Owner will employ and pay for services of a concrete testing laboratory to perform testing of concrete placed during construction.</li> <li>Contractor to cooperate with Owner in obtaining and testing samples.</li> <li>Tests During Construction:</li> </ul>
27 28 29 30	3.6 <b>F</b>	<ul> <li>IELD QUALITY CONTROL</li> <li>Owner will employ and pay for services of a concrete testing laboratory to perform testing of concrete placed during construction.</li> <li>Contractor to cooperate with Owner in obtaining and testing samples.</li> <li>Tests During Construction: <ol> <li>Strength test:</li> <li>For each strength test, mold and cure cylinders from each sample in accordance</li> </ol> </li> </ul>
27 28 29 30 31 32 33	3.6 <b>F</b>	<ul> <li>IELD QUALITY CONTROL</li> <li>Owner will employ and pay for services of a concrete testing laboratory to perform testing of concrete placed during construction.</li> <li>Contractor to cooperate with Owner in obtaining and testing samples.</li> <li>Tests During Construction: <ol> <li>Strength test:</li> <li>For each strength test, mold and cure cylinders from each sample in accordance with ASTM C31.</li> <li>Cylinder size: Per ASTM C31.</li> <li>4 IN cylinders may not be used for concrete mixes with concrete</li> </ol> </li> </ul>
27 28 29 30 31 32 33 34	3.6 <b>F</b>	<ul> <li>IELD QUALITY CONTROL</li> <li>Owner will employ and pay for services of a concrete testing laboratory to perform testing of concrete placed during construction.</li> <li>Contractor to cooperate with Owner in obtaining and testing samples.</li> <li>Tests During Construction: <ol> <li>Strength test:</li> <li>For each strength test, mold and cure cylinders from each sample in accordance with ASTM C31.</li> <li>Cylinder size: Per ASTM C31.</li> <li>A IN cylinders may not be used for concrete mixes with concrete aggregate size larger than 1 IN.</li> </ol> </li> </ul>
27 28 29 30 31 32 33 34 35	3.6 <b>F</b>	<ul> <li>IELD QUALITY CONTROL</li> <li>Owner will employ and pay for services of a concrete testing laboratory to perform testing of concrete placed during construction.</li> <li>Contractor to cooperate with Owner in obtaining and testing samples.</li> <li>Tests During Construction: <ol> <li>Strength test:</li> <li>For each strength test, mold and cure cylinders from each sample in accordance with ASTM C31.</li> <li>Cylinder size: Per ASTM C31.</li> <li>4 IN cylinders may not be used for concrete mixes with concrete aggregate size larger than 1 IN.</li> <li>Quantity:</li> </ol> </li> </ul>
27 28 29 30 31 32 33 34 35 36 37 38	3.6 <b>F</b>	<ul> <li>IELD QUALITY CONTROL</li> <li>Owner will employ and pay for services of a concrete testing laboratory to perform testing of concrete placed during construction.</li> <li>Contractor to cooperate with Owner in obtaining and testing samples.</li> <li>Tests During Construction: <ol> <li>Strength test:</li> <li>For each strength test, mold and cure cylinders from each sample in accordance with ASTM C31.</li> <li>Cylinder size: Per ASTM C31.</li> <li>4 IN cylinders may not be used for concrete mixes with concrete aggregate size larger than 1 IN.</li> </ol> </li> <li>Quantity: <ul> <li>6 IN DIA by 12 IN high: Six (6) cylinders.</li> </ul> </li> </ul>
27 28 29 30 31 32 33 34 35 36 37	3.6 <b>F</b>	<ul> <li>IELD QUALITY CONTROL</li> <li>Owner will employ and pay for services of a concrete testing laboratory to perform testing of concrete placed during construction.</li> <li>Contractor to cooperate with Owner in obtaining and testing samples.</li> <li>Tests During Construction: <ol> <li>Strength test:</li> <li>For each strength test, mold and cure cylinders from each sample in accordance with ASTM C31.</li> <li>Cylinder size: Per ASTM C31.</li> <li>4 IN cylinders may not be used for concrete mixes with concrete aggregate size larger than 1 IN.</li> </ol> </li> <li>Quantity: <ul> <li>a) 6 IN DIA by 12 IN high: Six (6) cylinders.</li> <li>b) 4 IN DIA by 8 IN high: Six (6) cylinders.</li> </ul> </li> </ul>
27 28 29 30 31 32 33 34 35 36 37 38 39	3.6 <b>F</b>	<ul> <li>IELD QUALITY CONTROL</li> <li>Owner will employ and pay for services of a concrete testing laboratory to perform testing of concrete placed during construction.</li> <li>Contractor to cooperate with Owner in obtaining and testing samples.</li> <li>Tests During Construction: <ol> <li>Strength test:</li> <li>For each strength test, mold and cure cylinders from each sample in accordance with ASTM C31.</li> <li>Cylinder size: Per ASTM C31.</li> <li>4 IN cylinders may not be used for concrete mixes with concrete aggregate size larger than 1 IN.</li> </ol> </li> <li>Quantity: <ul> <li>6 IN DIA by 12 IN high: Six (6) cylinders.</li> </ul> </li> </ul>
27 28 29 30 31 32 33 34 35 36 37 38 39 40	3.6 <b>F</b>	<ul> <li>IELD QUALITY CONTROL</li> <li>Owner will employ and pay for services of a concrete testing laboratory to perform testing of concrete placed during construction.</li> <li>Contractor to cooperate with Owner in obtaining and testing samples.</li> <li>Tests During Construction: <ol> <li>Strength test:</li> <li>For each strength test, mold and cure cylinders from each sample in accordance with ASTM C31.</li> <li>Cylinder size: Per ASTM C31.</li> <li>4 IN cylinders may not be used for concrete mixes with concrete aggregate size larger than 1 IN.</li> <li>Quantity: <ol> <li>6 IN DIA by 12 IN high: Six (6) cylinders.</li> <li>Field cure one (1) cylinder for the seven (7) day test.</li> </ol> </li> </ol></li></ul>
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41	3.6 <b>F</b>	<ul> <li>IELD QUALITY CONTROL</li> <li>Owner will employ and pay for services of a concrete testing laboratory to perform testing of concrete placed during construction.</li> <li>Contractor to cooperate with Owner in obtaining and testing samples.</li> <li>Tests During Construction: <ol> <li>Strength test:</li> <li>For each strength test, mold and cure cylinders from each sample in accordance with ASTM C31.</li> <li>Cylinder size: Per ASTM C31.</li> <li>4 IN cylinders may not be used for concrete mixes with concrete aggregate size larger than 1 IN.</li> <li>Quantity: <ol> <li>6 IN DIA by 12 IN high: Six (6) cylinders.</li> <li>Field cure one (1) cylinder for the seven (7) day test.</li> <li>Laboratory cure the remaining.</li> <li>Test cylinders in accordance with ASTM C39.</li> <li>6 IN DIA cylinders:</li> </ol> </li> </ol></li></ul>
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42	3.6 <b>F</b>	<ul> <li>IELD QUALITY CONTROL</li> <li>Owner will employ and pay for services of a concrete testing laboratory to perform testing of concrete placed during construction.</li> <li>Contractor to cooperate with Owner in obtaining and testing samples.</li> <li>Tests During Construction: <ol> <li>Strength test:</li> <li>For each strength test, mold and cure cylinders from each sample in accordance with ASTM C31.</li> <li>Cylinder size: Per ASTM C31.</li> <li>4 IN cylinders may not be used for concrete mixes with concrete aggregate size larger than 1 IN.</li> <li>Quantity: <ol> <li>6 IN DIA by 12 IN high: Six (6) cylinders.</li> <li>Field cure one (1) cylinder for the seven (7) day test.</li> <li>Laboratory cure the remaining.</li> <li>Test cylinders in accordance with ASTM C39.</li> <li>6 IN DIA cylinders: <ol> <li>Test three (3) cylinders at 28 days for strength test result and the one (1)</li> </ol> </li> </ol></li></ol></li></ul>
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45	3.6 <b>F</b>	<ul> <li>IELD QUALITY CONTROL</li> <li>Owner will employ and pay for services of a concrete testing laboratory to perform testing of concrete placed during construction.</li> <li>Contractor to cooperate with Owner in obtaining and testing samples.</li> <li>Tests During Construction: <ol> <li>Strength test:</li> <li>For each strength test, mold and cure cylinders from each sample in accordance with ASTM C31.</li> <li>Cylinder size: Per ASTM C31.</li> <li>4 IN cylinders may not be used for concrete mixes with concrete aggregate size larger than 1 IN.</li> <li>Quantity: <ol> <li>6 IN DIA by 12 IN high: Six (6) cylinders.</li> <li>Field cure one (1) cylinder for the seven (7) day test.</li> <li>Laboratory cure the remaining.</li> <li>Test cylinders: <ol> <li>Test three (3) cylinders at 28 days for strength test result and the one (1) field cured sample at seven (7) days for information.</li> </ol> </li> </ol></li></ol></li></ul>
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46	3.6 <b>F</b>	<ul> <li>IELD QUALITY CONTROL</li> <li>Owner will employ and pay for services of a concrete testing laboratory to perform testing of concrete placed during construction.</li> <li>I. Contractor to cooperate with Owner in obtaining and testing samples.</li> <li>Tests During Construction: <ol> <li>Strength test:</li> <li>For each strength test, mold and cure cylinders from each sample in accordance with ASTM C31.</li> <li>Cylinder size: Per ASTM C31.</li> <li>4 IN cylinders may not be used for concrete mixes with concrete aggregate size larger than 1 IN.</li> <li>Quantity: <ol> <li>6 IN DIA by 12 IN high: Six (6) cylinders.</li> <li>Field cure one (1) cylinder for the seven (7) day test.</li> <li>Laboratory cure the remaining.</li> <li>Test cylinders in accordance with ASTM C39.</li> <li>6 IN DIA cylinders: <ol> <li>Test three (3) cylinders at 28 days for strength test result and the one (1) field cured sample at seven (7) days for information.</li> </ol> </li> </ol></li></ol></li></ul>
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 41 42 43 44 45 46 47	3.6 <b>F</b>	<ul> <li>IELD QUALITY CONTROL</li> <li>Owner will employ and pay for services of a concrete testing laboratory to perform testing of concrete placed during construction.</li> <li>I. Contractor to cooperate with Owner in obtaining and testing samples.</li> <li>Tests During Construction: <ol> <li>Strength test:</li> <li>For each strength test, mold and cure cylinders from each sample in accordance with ASTM C31.</li> <li>Cylinder size: Per ASTM C31.</li> <li>4 IN cylinders may not be used for concrete mixes with concrete aggregate size larger than 1 IN.</li> <li>Quantity: <ol> <li>6 IN DIA by 12 IN high: Six (6) cylinders.</li> <li>Field cure one (1) cylinder for the seven (7) day test.</li> <li>Laboratory cure the remaining.</li> <li>Test cylinders in accordance with ASTM C39.</li> <li>6 IN DIA cylinders: <ol> <li>Test three (3) cylinders at 28 days for strength test result and the one (1) field cured sample at seven (7) days for information.</li> </ol> </li> </ol></li></ol></li></ul>
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	3.6 <b>F</b>	<ul> <li>IELD QUALITY CONTROL</li> <li>Owner will employ and pay for services of a concrete testing laboratory to perform testing of concrete placed during construction.</li> <li>Contractor to cooperate with Owner in obtaining and testing samples.</li> <li>Tests During Construction: <ol> <li>Strength test:</li> <li>For each strength test, mold and cure cylinders from each sample in accordance with ASTM C31.</li> <li>Cylinder size: Per ASTM C31.</li> <li>4 IN cylinders may not be used for concrete mixes with concrete aggregate size larger than 1 IN.</li> <li>Quantity: <ol> <li>6 IN DIA by 12 IN high: Six (6) cylinders.</li> <li>Field cure one (1) cylinder for the seven (7) day test.</li> <li>Laboratory cure the remaining.</li> <li>Test cylinders: <ol> <li>Test cylinders:</li> <li>Test three (3) cylinders at 28 days for strength test result and the one (1) field cured sample at seven (7) days for information.</li> </ol> </li> <li>Hold remaining cylinders in reserve, for contractor to verify full strength has been achieved.</li> <li>4 IN DIA cylinders:</li> </ol> </li> </ol></li></ul>
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 41 42 43 44 45 46 47	3.6 <b>F</b>	<ul> <li>IELD QUALITY CONTROL</li> <li>Owner will employ and pay for services of a concrete testing laboratory to perform testing of concrete placed during construction.</li> <li>I. Contractor to cooperate with Owner in obtaining and testing samples.</li> <li>Tests During Construction: <ol> <li>Strength test:</li> <li>For each strength test, mold and cure cylinders from each sample in accordance with ASTM C31.</li> <li>Cylinder size: Per ASTM C31.</li> <li>4 IN cylinders may not be used for concrete mixes with concrete aggregate size larger than 1 IN.</li> <li>Quantity: <ol> <li>6 IN DIA by 12 IN high: Six (6) cylinders.</li> <li>Field cure one (1) cylinder for the seven (7) day test.</li> <li>Laboratory cure the remaining.</li> <li>Test cylinders in accordance with ASTM C39.</li> <li>6 IN DIA cylinders: <ol> <li>Test three (3) cylinders at 28 days for strength test result and the one (1) field cured sample at seven (7) days for information.</li> </ol> </li> </ol></li></ol></li></ul>

1 2			b) Hold remaining cylinders in reserve, for contractor to verify full strength has been achieved.
3			d. Strength test result:
4			1) Average of strengths of three (3) 6 IN DIA cylinders or three (3) 4 IN DIA
5			cylinders from the same sample tested at 28 days. 2) If one (1) cylinder in a test manifests evidence of improper sampling, molding,
6			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
7			strength of remaining cylinders shall be considered strength test result.
8 9			3) Should all cylinders in any test show any of above defects, discard entire test.
10			e. Frequency of tests:
11			1) All concrete:
12			a) One (1) strength test to be taken not less than once a day, nor less than
13			once for each 10 CU YD or fraction thereof placed in any one (1) day.
14			f. Per ASTM C143.
15			g. Determined for each strength test sample.
16			h. Additional slump tests may be taken.
17			<ol> <li>Air content:</li> <li>a. Per ASTM C231, ASTM C173, and ASTM C138.</li> </ol>
18 19			b. Determined for each strength test sample.
20			3. Temperature: Determined for each strength test sample.
20		a	
21		C.	Evaluation of Tests:
22			1. Strength test results:
23			a. Average of 28-day strength of two cylinders from each sample.
24			1) If one cylinder manifests evidence of improper sampling, molding, handling,
25			curing or testing, strength of remaining cylinder will be test result. 2) If both cylinders show any of above defects, test will be discarded.
26		р	
27		D.	Acceptance of Concrete: 1. Strength level of each type of concrete shall be considered satisfactory if both of
28 29			the following requirements are met:
30			a. Average of all sets of three consecutive strength tests equals or exceeds the
31			required specified 28-day compressive strength.
32			b. No individual strength test falls below the required specified 28-day
33			compressive strength by more than 500 psi.
34			2. If tests fail to indicate satisfactory strength level, perform additional tests and/or
35			corrective measures as directed by Engineer.
36			a. Perform additional tests and/or corrective measures at no additional cost to Owner.
37		E.	Concrete tolerances per ACI 117.
38	3.7	S	CHEDULES
	•••	-	Concrete:
39 40		л.	1. Normal weight concrete: All locations.
		B.	
41		D.	1. Slab finish:
42 43			a. Use following finishes as applicable, unless otherwise indicated:
44			1) Hand Troweled finish: Interior floor slabs.
45			
46			END OF SECTION
47			SECTION 03 15 19
48			ANCHORAGE TO CONCRETE
	l ewis (	Coun	ty Central Transfer Station Repairs 52
			ect No. RESWCT

1 2	PAF	RT 1 - GENERAL
3	1.1	SUMMARY
4 5 6		<ul> <li>A. Section Includes:</li> <li>1. Requirements for all post-installed concrete anchors required for the Project but not specified elsewhere in the Contract Documents.</li> </ul>
7 8 9 10 11		<ul> <li>B. Related Specification Sections include but are not necessarily limited to:</li> <li>1. Division 00 - Procurement and Contracting Requirements.</li> <li>2. Division 01 - General Requirements.</li> <li>3. Section 03 05 05 - Concrete Testing and Inspection.</li> <li>4. Section 03 09 00 - Concrete.</li> </ul>
12	1.2	QUALITY ASSURANCE
<ol> <li>13</li> <li>14</li> <li>15</li> <li>16</li> <li>17</li> <li>18</li> <li>19</li> <li>20</li> <li>21</li> <li>22</li> <li>23</li> <li>24</li> <li>25</li> <li>26</li> <li>27</li> <li>28</li> <li>29</li> <li>30</li> <li>31</li> <li>32</li> <li>33</li> <li>34</li> <li>35</li> <li>36</li> </ol>		<ul> <li>A. Referenced Standards: <ol> <li>American Concrete Institute (ACI): <ul> <li>a. 318, Building Code Requirements for Structural Concrete and Commentary.</li> </ul> </li> <li>American Concrete Institute/Concrete Reinforcing Steel Institute (ACI-CRSI): <ul> <li>a. Adhesive Anchor Installation Certification Program: Adhesive Anchor Installer.</li> </ul> </li> <li>American Institute of Steel Construction (AISC): <ul> <li>a. 303, Code of Standard Practice for Steel Buildings and Bridges.</li> </ul> </li> <li>ASTM International (ASTM): <ul> <li>A123, Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.</li> <li>a. A153, Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware.</li> <li>b. A307, Standard Specification for Carbon Steel Bolts and Studs, 60,000 PSI Tensile Strength.</li> <li>c. A563, Standard Specification for Carbon and Alloy Steel Nuts.</li> <li>d. A780, Standard Practice for Repair of Damaged and Uncoated Areas of HotDip Galvanized Coatings.</li> <li>e. F436, Standard Specification for Hardened Steel Washers.</li> <li>f. F1554, Standard Specification for Anchor Bolts, Steel, 36, 55, and 105-ksi Yield Strength.</li> </ul> </li> <li>ICC Evaluation Service (ICC-ES): <ul> <li>a. AC308, Acceptance Criteria for Post-Installed Adhesive Anchors in Concrete Elements.</li> </ul> </li> </ol></li></ul>
37 38 39		<ul> <li>a. International Code Council (ICC):</li> <li>1) International Building Code and associated standards, 2015 Edition including all amendments, referred to herein as Building Code.</li> <li>B. Post-installed anchors and related materials shall be listed by the following agencies:</li> </ul>
40 41 42		<ol> <li>ICC-ES.</li> <li>Engineer approved equivalent.</li> </ol>
43	1.3	DEFINITIONS
44 45 46 47		<ul> <li>A. Adhesive Anchors:</li> <li>1. Post-installed anchors developing their strength primarily from chemical bond between the concrete and the anchor.</li> <li>2. Includes anchors using acrylics, epoxy and other similar adhesives.</li> </ul>
48 49		B. Anchor Rod: Any cast-in-place or post-installed anchorage made from unheaded, threaded, rod or deformed bar material.

1		C.	Concrete Anchor: Generic term for either an anchor bolt or an anchor rod.
2 3 4		D.	Galvanizing: Hot-dip galvanizing per ASTM A123 or ASTM A153 with minimum coating of <b>2.0 OZ of zinc per square foot of metal (average of specimens) unless noted otherwise or dictated by standard.</b>
5		E.	Hardware: As defined in ASTM A153.
6 7 8 9		F.	<ol> <li>Installer or Applicator:</li> <li>Installer or applicator is the person actually installing or applying the product in the field at the Project site.</li> <li>Installer and applicator are synonymous.</li> </ol>
		G	MPII: Manufacturer's printed installation instructions.
10			
11 12		Н.	Post-Installed Anchor: Any adhesive or mechanical anchor installed into previously placed and adequately cured concrete.
13	1.4	SL	JBMITTALS
14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30			<ol> <li>Shop Drawings:         <ol> <li>Product technical data including:                 <ul></ul></li></ol></li></ol>
31 32 33 34		B.	<ul> <li>Samples:</li> <li>Representative samples of concrete anchors may be requested by Engineer. Review will be for type and finish only. Compliance with all other requirements is exclusively the responsibility of the Contractor.</li> </ul>
35 36 37 38 39 40 41 42		C.	<ul> <li>Informational Submittals:</li> <li>1. Certification of qualifications for each installer of post-installed anchors. <ul> <li>a. Indicate successful completion or certification for each type of approved post-installed anchor as required by the Contract Documents.</li> <li>b. Provide one of the following for each type of anchor, as required by this specification section: <ul> <li>1) Letter from manufacturer documenting successful training completion.</li> <li>2) Certification of completion for Engineer approved program.</li> </ul> </li> </ul></li></ul>
43	1.5	DE	ELIVERY, STORAGE, AND HANDLING
44 45		A.	Deliver products to job site in manufacturer's or distributor's packaging undamaged and complete with installation instructions.
46 47		B.	Store above ground on skids or other supports to keep items free of dirt and other foreign debris and to protect against corrosion.

1 2 3		C. Protect and handle materials in accordance with manufacturer's recommendations to prevent damage or deterioration.
4		PART 2 - PRODUCTS
5	2.1	MATERIALS
6 7		<ul> <li>A. Post-Installed Adhesive Concrete Anchors:</li> <li>1. ASTM F1554, Grade 36 or 55 or ASTM A307, galvanized.</li> </ul>
8 9 10		<ul> <li>B. Washers:</li> <li>1. ASTM F436 unless noted otherwise.</li> <li>2. Follow manufacturer's requirements for all post-installed anchorage.</li> </ul>
11 12 13		<ul> <li>C. Nuts:</li> <li>1. ASTM A563 for all adhesive anchors.</li> <li>2. Follow manufacturer's requirements if using post-installed anchorage.</li> </ul>
14 15 16 17 18 19		<ul> <li>D. Galvanizing Repair Paint:</li> <li>1. High zinc dust content paint for regalvanizing welds and abrasions.</li> <li>2. ASTM A780.</li> <li>3. Zinc content: Minimum 92 percent in dry film.</li> <li>4. ZRC "ZRC Cold Galvanizing" or Clearco "High Performance Zinc Spray." or approved equal.</li> </ul>
20	2.2	ENGINEER DESIGNED ANCHORAGE
21 22		<ul> <li>A. When the size, length and details of anchorages are shown on Contract Structural Drawings, Contractor design of anchorage is not required.</li> </ul>
23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38		<ul> <li>B. Acceptable Manufacturers: <ol> <li>Additional newer post-installed anchor systems for the listed manufacturers will be considered only if a current evaluation agency report is submitted in accordance with the SUBMITTALS Article in PART 1 of this Specification Section, the anchor system is certified by ICC-ES for cracked concrete conditions, and if approved by the Engineer.</li> <li>Adhesive Concrete Anchors: <ol> <li>Hitti:</li> <li>HIT RE 500-SD (ICC-ES ESR-2322).</li> <li>HIT RE 500 V3 (ICC ESR-3814).</li> </ol> </li> <li>Submit request for substitution in accordance with Specification Section 01 25 13. <ol> <li>Substitution request to indicate the proposed anchor has the at least the same tension and shear strength as the specified anchor installed as indicated in the Contract Drawings.</li> <li>Calculations to be stamped by a Professional Engineer registered in the state that the Project is located in.</li> </ol> </li> </ol></li></ul>
39 40		PART 3 - EXECUTION
41	3.1	GENERAL
42 43 44		<ul> <li>A. Adhesive Anchorage:</li> <li>1. Use only where specifically indicated on the Drawings or when approved for use by the Engineer.</li> <li>2. May be used where subjected to vibration or where buried or submerged.</li> </ul>
45		2. Way be used where subjected to vibration of where buried of submerged.

1 2 3 4		<ol> <li>Do not use in overhead applications or sustained tension loading conditions such as utility hangers.</li> <li>Contact Engineer for clarification when anchors will not be installed in compliance with manufacturer's printed installation requirements.</li> </ol>
5	3.2	PREPARATION
6 7 8 9 10		<ul> <li>A. Prior to installation, inspect and verify areas and conditions under which concrete anchorage is to be installed.</li> <li>1. Notify Engineer of conditions detrimental to proper and timely completion of work.</li> <li>2. Do not proceed with work until unsatisfactory conditions have been corrected in a manner acceptable to the Engineer.</li> </ul>
11 12 13 14		<ul> <li>B. Special Inspection is required in accordance with the Building Code for all concrete anchorage.</li> <li>1. Notify the Special Inspector that an inspection is required prior to post-installed anchorage installation.</li> </ul>
15 16 17 18		<ul> <li>C. Post-installed anchor manufacturer's representative shall demonstrate and observe the proper installation procedures for the post-installed anchors at no additional expense to the Owner.</li> <li>1. Follow such procedures to assure acceptable installation.</li> </ul>
19	3.3	INSTALLATION
20 21 22 23 24 25 26		<ul> <li>A. Unless noted or specified otherwise: <ol> <li>Connect steel members to concrete using steel anchorage unless shown otherwise.</li> <li>Provide washers for all anchorage.</li> </ol> </li> <li>3. Where exposed, extend threaded anchorage a minimum of 1/2 IN above the top of the fully engaged nut. <ol> <li>a. If anchorage is cut off to the required maximum height, threads must be dressed to allow nuts to be removed without damage to the nuts.</li> </ol> </li> </ul>
27 28 29 30 31 32		<ul> <li>B. Do the following after nuts are snug-tightened down: <ol> <li>Follow MPII.</li> </ol> </li> <li>Upset threads of anchorage to prevent nuts from backing off. <ol> <li>Provide double nut or lock nut in lieu of upset threads for items that may require removal in the future.</li> </ol> </li> <li>If using post-installed anchorage, follow manufacturer's installation procedures.</li> </ul>
33		C. Assure that embedded items are protected from damage and are not filled in with concrete.
34 35 36 37		<ul> <li>D. Repair damaged galvanized surfaces in accordance with ASTM A780.</li> <li>1. Prepare damaged surfaces by abrasive blasting or power sanding.</li> <li>2. Apply galvanizing repair paint to minimum 6 mils DFT in accordance with manufacturer's instructions and ASTM A780.</li> </ul>
38 39 40 41 42 43 44		<ul> <li>E. Comply with the MPII on the hole diameter and depth required to fully develop the tensile strength of the anchor or reinforcing bar.</li> <li>1. Use hammer drills to create holes.</li> <li>2. Properly clean out the hole per the ICC-ES reports utilizing a non-metallic fiber bristle brush and compressed air or as otherwise required to remove all loose material from the hole prior to installing the anchor in the presence of the Special Inspector.</li> </ul>
45	3.4	FIELD QUALITY CONTROL
46 47		<ul><li>A. Special Inspection:</li><li>1. See Section 03 05 05.</li></ul>

#### 3.5 CLEANING

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

#### END OF SECTION

#### **SECTION 05 50 00**

#### METAL FABRICATIONS

#### PART 1 - GENERAL

#### 1.1 SUMMARY

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

### 1.2 QUALITY ASSURANCE

- A. Referenced Standards:
  - 1. American Institute of Steel Construction (AISC):
    - a. 360, Specifications for Structural Steel Buildings (referred to herein as AISC Specification).
  - 2. ASTM International (ASTM):
    - a. A6, Standard Specification for General Requirements for Rolled Structural Steel Bars, Plates, Shapes, and Sheet Piling.
      - b. A36, Standard Specification for Carbon Structural Steel.
  - c. A514, AR400 Abrasion resistant steel plate.
  - d. A123/A123M, Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.
    - e. A153 Standard Specification for Zinc-Coating on Iron and Steel.
  - f. A780 Practice for Repair of Danmaged 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

43 44		A. Steel: 1. Structural:			
42	2.2	MATERIALS			
41		B. Submit request for substitution in accordance with Specification .			
40		b. ZRC Products.			
39		a. Clearco Products Co., Inc.			
38		2. Galvanizing repair paint:			
36 37		a. See Section 03 15 19.			
35 36		are acceptable: 1. Epoxy adhesive anchor bolts:			
34		A. Subject to compliance with the Contract Documents, the following manufacturers			
33	2.1	ACCEPTABLE MANUFACTURERS			
32		PART 2 - PRODUCTS			
31					
30		debris and to protect against corrosion.			
29		B. Store above ground on skids or other supports to keep items free of dirt and other foreign			
28		A. Deliver and handle fabrications to avoid damage.			
27	1.5	DELIVERY, STORAGE, AND HANDLING			
25 26		<ol> <li>NACE inspector qualifications.</li> <li>NACE certification of surface preparation.</li> </ol>			
24		a. Indicate compliance with AWS.			
22 23		<ul> <li>B. Informational Submittals:</li> <li>1. Certification of welders and welding processes.</li> </ul>			
21		referenced.			
20		a. Acknowledgement that products submitted meet requirements of standards			
18 19		<ul> <li>b. Identify materials of construction, shop coatings and third party accessories.</li> <li>2. Product technical data including:</li> </ul>			
17		<ol> <li>Include erection drawings, plans, sections, details and connection details.</li> <li>Identify materials of construction, shop coatings and third party accessories.</li> </ol>			
16		a. Submit drawings for all fabrications and assemblies.			
15		1. Fabrication and/or layout drawings and details:			
13	1.1	A. Shop Drawings:			
13	1.4	SUBMITTALS			
11 12		at the Project site. 2. Installer and applicator are synonymous.			
10		1. Installer or applicator is the person actually installing or applying the product in the field			
9		D. Installer or Applicator:			
8		C. Hardware: As defined in ASTM A153/A153M.			
7		noted otherwise or dictated by standard.			
6		minimum coating of 2.0 OZ of zinc per square foot of metal (average of specimens) unless			
5		B. Galvanizing: Hot-dip galvanizing per ASTM A123/A123M or ASTM A153/A153M with			
4		A. Fasteners: As defined in ASTM F1789.			
3	1.3	DEFINITIONS			
1 2		a. Have a current Level III coating inspector certification.			
1		performing inspections as indicated.			

1 2 3		<ul> <li>a. Angles: ASTM A36.</li> <li>b. Plates – AR400 with Brinell hardness range of 360-440 BHN.</li> <li>2. Welding electrodes: AWS D1.1, E70 Series.</li> </ul>		
4 5		<ul> <li>B. Adhesive Anchor Bolts:</li> <li>1. See Specification Section 03 15 19.</li> </ul>		
6 7		C. Iron and Steel Hardware: Galvanized in accordance with ASTM A153/A153M when required to be galvanized.		
8 9 10 11 12 13		<ul> <li>D. Galvanizing Repair Paint:</li> <li>1. High zinc dust content paint for regalvanizing welds and abrasions.</li> <li>2. ASTM A780.</li> <li>3. Zinc content: Minimum 92 percent in dry film.</li> <li>4. ZRC "ZRC Cold Galvanizing" or Clearco "High Performance Zinc Spray" or approved equal.</li> </ul>		
14	2.3	FABRICATION		
15		A. Verify field conditions and dimensions prior to fabrication.		
16 17 18		<ul> <li>B. Form materials to shapes indicated with straight lines, true angles, and smooth curves.</li> <li>1. Grind smooth all rough welds and sharp edges.</li> <li>a. Round all corners to approximately 1/32 - 1/16 IN nominal radius.</li> </ul>		
19 20		<ul> <li>C. Provide drilled or punched holes with smooth edges.</li> <li>1. Punch or drill for field connections and for attachment of work by other trades.</li> </ul>		
21 22 23 24 25		<ul> <li>D. Weld Shop Connections:</li> <li>1. Welds to be continuous fillet type unless indicated otherwise.</li> <li>2. Weld structural steel in accordance with AWS D1.1 using Series E70 electrodes conforming to AWS A5.1/A5.1M.</li> <li>3. Grind smooth welds that will be exposed.</li> </ul>		
26		E. Fabricate work in shop in as large assemblies as is practicable.		
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43		<ul> <li>F. Tolerances: <ol> <li>Rolling: <ul> <li>ASTM A6.</li> <li>When material received from the mill does not satisfy ASTM A6 tolerances for camber, profile, flatness, or sweep, the Contractor is permitted to perform corrective work by the use of controlled heating and mechanical straightening, subject to the limitations of the AISC Specification.</li> </ul> </li> <li>Fabrication tolerance: <ul> <li>Member length:</li> <li>Framed members:</li> <li>30 FT or less: 1/16 IN.</li> <li>Over 30 FT: 1/8 IN.</li> </ul> </li> <li>Member straightness: <ul> <li>Non-compression members: ASTM A6 tolerance for wide flange shapes.</li> <li>Finished members shall be free from twists, bends and open joints.</li> <li>Sharp kinks, bends and deviation from above tolerances are cause for rejection of material.</li> </ul> </li> </ol></li></ul>		
44	2.4	SOURCE QUALITY CONTROL		
45 46 47 48		<ul> <li>A. Surface Preparation:</li> <li>1. All miscellaneous metal fabrication item surfaces shall be inspected and approved by NACE certified coatings inspector prior to application of shop-applied coatings.</li> <li>a. Inspection shall be performed to determine depth of blast profile and cleanliness</li> </ul>		

1 2		of surface. b. Fabricator shall reblast and or re-clean surfaces as required until acceptable.	
3		B. Shop Applied Coating Application:	
4		<ol> <li>After surface has been accepted in writing by NACE certified coatings inspector, fabricator may proceed with application of coatings.</li> </ol>	
5 6		<ol> <li>Application of coatings shall be observed and certified by NACE certified</li> </ol>	
7		coatings inspector.	
8		C. Shop Inspection and Testing:	
9		1. Owner will employ and pay for the services of a qualified independent testing agency	
10		to inspect and test all structural steel work for compliance with Contract Documents.	
11		<ol> <li>Contractor is responsible for testing to qualify shop and field welders and as needed for Contractor's own quality control to ensure compliance with Contract Documents.</li> </ol>	
12 13		3. Independent testing agency shall have a minimum of five (5) years performing similar	
14		work and shall be subject to Owner's approval.	
15		D. Responsibilities of Testing Agency:	
16		<ol> <li>Inspect shop and field welding in accordance with AWS Code including the following non- destructive testing:</li> </ol>	
17 18		a. Visually inspect all welds.	
19		2. Inspect structural steel which has been erected.	
20		3. Prepare and submit inspection and test reports toOwner.	
21		a. Assist Owner to determine corrective measures necessary for defective work.	
22			
23		PART 3 - EXECUTION	
24	3.1	PREPARATION	
25		A. Provide items to be built into other construction in time to allow their installation.	
26		1. If such items are not provided in time for installation, cut in and install.	
27		B. Prior to installation, inspect and verify condition of substrate.	
28		C. Correct surface defects or conditions which may interfere with or prevent a	
29		satisfactory installation.	
30	3.2	INSTALLATION	
31		A. Set metal work level, true to line, plumb.	
32		1. Shim and grout as necessary.	
33		B. Contractor is solely responsible for safety.	
34 35		<ol> <li>Construction means and methods and sequencing of work is the prerogative of the Contractor.</li> </ol>	
36		2. Take into consideration that full structural capacity of many structural members is not	
37		realized until structural assembly is complete; e.g., until slabs, decks, and diagonal	
38		bracing or rigid connections are installed.	
39		<ol> <li>Partially complete structural members shall not be loaded without an investigation by the Contractor.</li> </ol>	
40 41		<ol> <li>Until all elements of the permanent structure and lateral bracing system are</li> </ol>	
41		complete, temporary bracing for the partially complete structure will be required.	
43		C. Adequate temporary bracing to provide safety, stability and to resist all loads to which the	
44		partially complete structure may be subjected, including construction activities and	
45		operation of equipment is the responsibility of the Contractor.	
46	l ewie (	1. Plumb, align, and set structural steel members to specified tolerances.County Central Transfer Station Repairs60	
	County Project No. RESWCT		

1 2 3			2. Use temporary guys, braces, shoring, connections, etc., necessary to maintain the structural framing plumb and in proper alignment until permanent connections are made, the succeeding work is in place, and temporary work is no longer necessary.	
4			3. Use temporary guys, bracing, shoring, and other work to prevent injury or damage to adjacent work or construction from stresses due to erection procedures and	
5 6			operation of erection equipment, construction loads, and wind.	
7			4. Contractor shall be responsible for the design of the temporary bracing system and	
8			must consider the sequence and schedule of placement of such elements and effects of	
9			loads imposed on the structural steel members by partially or completely installed work,	
10			including work of all other trades.	
11			a. If not obvious from experience or from the Drawings, the Contractor shall confer with	
12 13			the Engineer to identify those structural steel elements that must be complete before the temporary bracing system is removed.	
14			5. Remove and dispose of all temporary work and facilities off-site.	
15		D.	Examine work-in-place on which specified work is in any way dependent to ensure	
16			that conditions are satisfactory for the installation of the work.	
17			1. Report defects in work-in-place which may influence satisfactory completion of the work.	
18			2. Absence of such notification will be construed as acceptance of work-in-place.	
19		E.	Field Measurement:	
20			<ol> <li>Take field measurements as necessary to verify or supplement dimensions indicated on the Drawings.</li> </ol>	
21 22			<ol> <li>Contractor responsible for the accurate fit of the work.</li> </ol>	
23		F.	Check the elevations of all adhesive anchors before starting erection.	
23		1.	1. Use surveyor's level.	
25			2. Notify Owner of any errors or deviations found by such checking.	
26		G.	Erect plumb and level; introduce temporary bracing required to support erection loads.	
27		Н.	Welding:	
28			1. Conform to AWS D1.1 and requirements of the FABRICATION Article in PART 2 of	
29			this Specification Section.	
30 31			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.	
32		I.	Clean stored material of all foreign matter accumulated prior to the completion of erection.	
		J.	Field Welding:	
33 34		Ј.	1. Follow AWS procedures.	
35			2. Grind welds smooth where field welding is required.	
36		К.	Remove all burrs and radius all sharp edges and corners of miscellaneous plates, angles,	
37			framing system elements, etc.	
38		L.	Do not field splice fabricated items unless said items exceed standard shipping length or	
39			change of direction requires splicing.	
40			1. Provide full penetration welded splices where continuity is required.	
41 42		M.	Provide each fabricated item complete with attachment devices as indicated or required to install.	
43 44		N.	Anchor such that work will not be distorted nor fasteners overstressed from expansion and contraction.	
45	3.3	FIELD QUALITY CONTROL		
46		A.	OWNER Pays for Field Inspection and Testing:	

2 3 4

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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.

A. After fabrication, erection, installation or application, clean all miscellaneous metal

fabrication surfaces of all dirt, weld slag and other foreign matter.

### 3.4 CLEANING

- 8
- 9
- 10
- 11

## END OF SECTION

### 12 POWER EQUIPMENT

13 (\*\*\*\*\*)

14

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

17

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

23

# 24 E-VERIFY

25 (\*\*\*\*\*)

26

"Effective June 21st, 2010, all contracts with a value of  $\geq$  \$100,000 shall require that the awarded 27 contractor register with the Department of Homeland Security E-Verify program. Contractors shall have 28 sixty days after the execution of the contract to register and enter into a Memorandum of Understanding 29 (MOU) with the Department of Homeland Security (DHS) E-Verify program. After completing the MOU 30 the contractor shall have an additional sixty days to provide a written record on the authorized 31 employment status of their employees and those of any sub-contractor(s) currently assigned to the 32 contract. Employees hired during the execution of the contract and after submission of the initial 33 verification will be verified to the county within 30 days of hire, as reported from the E-Verify program. 34 The contractor will continue to update the County on all corrective actions required and changes made 35 during the performance of the contract." 36

37

# 38 BOND

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

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<sup>41</sup> The Bidder's special attention is directed to the attached bond form, which the successful bidder will be <sup>42</sup> required to execute and furnish the County. **NO OTHER BOND FORMS WILL BE ACCEPTED.** The

bond shall be for the full amount of the contract.

## LEWIS COUNTY ESTIMATES AND PAYMENT POLICY

(\*\*\*\*\*) 2 Payment cutoff shall be the last day of each month, inclusive of that day. On or before the 5th day of 3 each calendar month during the term of this contract, the Contracting Agency shall prepare monthly 4 Progress Payments for work completed and material furnished. If the Contractor agrees, the 5 Contractor will approve the Progress Payment and return the estimate to the Contracting Agency by the 6 10<sup>th</sup> day of that same calendar month. The Contracting Agency shall prepare a voucher based upon 7 the approved Progress Payment and payment based thereon shall be due the Contractor near the 10<sup>th</sup> 8 day of the next calendar month. Material Supply contracts involving delivery of prefabricated material 9 or stockpile material only (no physical work on Contracting Agency property) may be reimbursed via 10 Contractor generated invoices upon written approval by the Engineer. Reimbursement by invoice shall 11 not be subject to late charges listed on the Contractor's standard invoice form. 12 13 When the Contractor reports the work is completed he/she shall then notify the Contracting Agency. 14 The Contracting Agency shall inspect the work and report any deficiencies to the Contractor. When the 15 Contracting Agency is satisfied the work has been completed in accordance with all plans and 16 specifications, the Contracting Agency shall then accept the work. 17 18 Upon completion of all work described in this Contract, the Contracting Agency shall prepare a Final 19 Progress Payment and Final Contract Voucher for approval by the Contractor and processing for final 20 payment. Release of the Contract Bond will be 60 days following Contracting Agency Final Acceptance 21 of Contract, provided the conditions of Section 1-03.4 and Section1-07.2 of these Special Provisions 22 have been satisfied. 23 24 APPENDICES 25

<sup>26</sup> (July 12, 1999)

### <sup>27</sup> The following appendices are attached and made a part of this contract:

	******	
29		APPENDIX A:

- 30 Washington State Prevailing Wage Rates
- 31 Wage Rate Supplement
- <sup>32</sup> Wage Rate Benefit Code Key
- APPENDIX B:
- 35 Bid Proposal Documents
- <sup>37</sup> APPENDIX C:
- 38 Contract Documents

40	APPENDIX D:

- 41 Contract Plans \*\*\*\*\*\*
- 42

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39

# **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>	Job Classification	<u>Wage</u>	Holiday	Overtime	Note
Lewis	Asbestos Abatement Workers	Journey Level	\$46.57	<u>5D</u>	<u>1H</u>	
Lewis	<u>Boilermakers</u>	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	<u>Cabinet Makers (In Shop)</u>	Journey Level	\$23.17		<u>1</u>	
Lewis	<u>Carpenters</u>	Acoustical Worker	\$57.18	<u>5D</u>	<u>4C</u>	
Lewis	<u>Carpenters</u>	Bridge, Dock And Wharf Carpenters	\$57.18	<u>5D</u>	<u>4C</u>	
Lewis	<u>Carpenters</u>	Carpenter	\$57.18	<u>5D</u>	<u>4C</u>	
Lewis	<u>Carpenters</u>	Carpenters on Stationary Tools	\$57.31	<u>5D</u>	<u>4C</u>	
Lewis	<u>Carpenters</u>	Creosoted Material	\$57.28	<u>5D</u>	<u>4C</u>	
Lewis	<u>Carpenters</u>	Floor Finisher	\$57.18	<u>5D</u>	<u>4C</u>	
Lewis	<u>Carpenters</u>	Floor Layer	\$57.18	<u>5D</u>	<u>4C</u>	
Lewis	<u>Carpenters</u>	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	<u>Electricians - Inside</u>	Journey Level	\$64.26	<u>5C</u>	<u>1G</u>	
Lewis	<u>Electricians - Inside</u>	Lead Covered Cable Splicer	\$72.67	<u>5C</u>	<u>1G</u>	
Lewis	<u>Electricians - Inside</u>	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	<u>Flaggers</u>	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>7F</u>	<u>1E</u>	

Lewis	Hod Carriers & Mason Tenders	Journey Level	\$48.02	<u>7A</u>	<u>31</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		1	
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>10</u>	
Lewis	<u>Laborers</u>	Air, Gas Or Electric Vibrating Screed	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Airtrac Drill Operator	\$48.02	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Ballast Regular Machine	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Batch Weighman	\$39.48	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Brick Pavers	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Brush Cutter	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Brush Hog Feeder	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Burner	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Caisson Worker	\$48.02	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Carpenter Tender	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Caulker	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Cement Dumper-paving	\$47.44	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Cement Finisher Tender	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Change House Or Dry Shack	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Chipping Gun (under 30 Lbs.)	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	<u>Laborers</u>	Chipping Gun(30 Lbs. And Over)	\$47.44	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Choker Setter	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Chuck Tender	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Clary Power Spreader	\$47.44	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Clean-up Laborer	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Concrete Dumper/chute	\$47.44	<u>7A</u>	<u>31</u>	

Lewis	Laborers	Concrete Form Stripper	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	Laborers	<b>Concrete Placement Crew</b>	\$47.44	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Concrete Saw Operator/core Driller	\$47.44	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Crusher Feeder	\$39.48	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Curing Laborer	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Demolition: Wrecking & Moving (incl. Charred Material)	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Ditch Digger	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Diver	\$48.02	<u>7A</u>	<u>3I</u>	
Lewis	<u>Laborers</u>	Drill Operator (hydraulic,diamond)	\$47.44	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Dry Stack Walls	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Dump Person	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Epoxy Technician	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	<u>Laborers</u>	Erosion Control Worker	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Faller & Bucker Chain Saw	\$47.44	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Fine Graders	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Firewatch	\$39.48	<u>7A</u>	<u>31</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>31</u>	
Lewis	Laborers	Grade Checker & Transit Person	\$48.02	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Grinders	\$46.57	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Grout Machine Tender	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Groutmen (pressure)including Post Tension Beams	\$47.44	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Guardrail Erector	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Hazardous Waste Worker (level A)	\$48.02	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Hazardous Waste Worker (level B)	\$47.44	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Hazardous Waste Worker (level C)	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	Laborers	High Scaler	\$48.02	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Jackhammer	\$47.44	<u>7A</u>	<u>3I</u>	
Lewis	Laborers	Laserbeam Operator	\$47.44	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Maintenance Person	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Manhole Builder-mudman	\$47.44	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Material Yard Person	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Motorman-dinky Locomotive	\$47.44	<u>7A</u>	<u>31</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>7</u> A	<u>31</u>	
Lewis	Laborers	Pavement Breaker	\$47.44	<u>7A</u>	<u>3I</u>	

Lewis	Laborers	Pilot Car	\$39.48	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Pipe Layer Lead	\$48.02	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Pipe Layer/tailor	\$47.44	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Pipe Pot Tender	\$47.44	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Pipe Reliner	\$47.44	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Pipe Wrapper	\$47.44	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Pot Tender	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Powderman	\$48.02	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Powderman's Helper	\$46.57	<u>7A</u> 7A	<u>31</u>	
Lewis	Laborers	Power Jacks	\$47.44	<u>7A</u> 7A	<u>31</u>	
Lewis	Laborers	Railroad Spike Puller - Power	\$47.44		<u>31</u>	
Lewis	Laborers	Raker - Asphalt	\$48.02	<u>7A</u> 7A	<u>31</u>	
		Re-timberman	\$48.02 \$48.02			
Lewis	Laborers			<u>7A</u>	<u>31</u>	
Lewis	Laborers	Remote Equipment Operator	\$47.44	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Rigger/signal Person	\$47.44	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Rip Rap Person	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Rivet Buster	\$47.44	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Rodder	\$47.44	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Scaffold Erector	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Scale Person	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Sloper (over 20")	\$47.44	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Sloper Sprayer	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Spreader (concrete)	\$47.44	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Stake Hopper	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Stock Piler	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	<u>Laborers</u>	Tamper & Similar Electric, Air & Gas Operated Tools	\$47.44	<u>7A</u>	<u>31</u>	
Lewis	<u>Laborers</u>	Tamper (multiple & Self- propelled)	\$47.44	<u>7A</u>	<u>31</u>	
Lewis	<u>Laborers</u>	Timber Person - Sewer (lagger, Shorer & Cribber)	\$47.44	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Toolroom Person (at Jobsite)	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Topper	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Track Laborer	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Track Liner (power)	\$47.44	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Traffic Control Laborer	\$42.22	<u>7A</u>	<u>31</u>	<u>8R</u>
Lewis	Laborers	Traffic Control Supervisor	\$42.22	<u>7A</u>	<u>31</u>	<u>8R</u>
Lewis	Laborers	Truck Spotter	\$46.57	<u>7A</u>	31	
Lewis	Laborers	Tugger Operator	\$47.44	<u>7A</u>	31	
Lewis	<u>Laborers</u>	Tunnel Work-Compressed Air Worker 0-30 psi	\$92.60	<u>7A</u>	<u>31</u>	<u>8Q</u>
Lewis	Laborers	Tunnel Work-Compressed Air Worker 30.01-44.00 psi	\$97.63	<u>7A</u>	<u>31</u>	<u>8Q</u>
Lewis	Laborers	Tunnel Work-Compressed Air Worker 44.01-54.00 psi	\$101.31	<u>7A</u>	<u>31</u>	<u>8Q</u>
Lewis	Laborers	Tunnel Work-Compressed Air Worker 54.01-60.00 psi	\$107.01	<u>7A</u>	<u>31</u>	<u>8Q</u>
		Tunnel Work-Compressed Air	\$109.13	<u>7A</u>	<u>31</u>	<u>8Q</u>

Lewis	Laborers	Tunnel Work-Compressed Air	\$114.23	<u>7A</u>	<u>31</u>	<u>8Q</u>
Lewis	Laborers	Worker 64.01-68.00 psi Tunnel Work-Compressed Air	\$116.13	<u>7A</u>	<u>31</u>	<u>8Q</u>
		Worker 68.01-70.00 psi				
Lewis	<u>Laborers</u>	Tunnel Work-Compressed Air Worker 70.01-72.00 psi	\$118.13	<u>7A</u>	<u>31</u>	<u>8Q</u>
Lewis	<u>Laborers</u>	Tunnel Work-Compressed Air Worker 72.01-74.00 psi	\$120.13	<u>7A</u>	<u>31</u>	<u>8Q</u>
Lewis	Laborers	Tunnel Work-Guage and Lock Tender	\$48.12	<u>7A</u>	<u>31</u>	<u>8Q</u>
Lewis	Laborers	Tunnel Work-Miner	\$48.12	<u>7A</u>	<u>31</u>	<u>8Q</u>
Lewis	Laborers	Vibrator	\$47.44	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Vinyl Seamer	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Watchman	\$35.88	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Welder	\$47.44	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Well Point Laborer	\$47.44	<u>7A</u>	<u>31</u>	
Lewis	Laborers	Window Washer/cleaner	\$35.88	<u>7A</u>	<u>31</u>	
Lewis	Laborers - Underground Sewer & Water	General Laborer & Topman	\$46.57	<u>7A</u>	<u>31</u>	
Lewis	Laborers - Underground Sewer & Water	Pipe Layer	\$47.44	<u>7A</u>	<u>31</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	<u>Metal Fabrication (In Shop)</u>	Fitter	\$15.16		<u>1</u>	
Lewis	<u>Metal Fabrication (In Shop)</u>	Laborer	\$11.50		<u>1</u>	
Lewis	<u>Metal Fabrication (In Shop)</u>	Machine Operator	\$11.50		<u>1</u>	
Lewis	<u>Metal Fabrication (In Shop)</u>	Painter	\$11.50		<u>1</u>	
Lewis	<u>Metal Fabrication (In Shop)</u>	Welder	\$15.16		<u>1</u>	
Lewis	<u>Millwright</u>	Journey Level	\$58.68	<u>5D</u>	<u>4C</u>	
Lewis	<u>Modular Buildings</u>	Cabinet Assembly	\$11.50		<u>1</u>	
Lewis	<u>Modular Buildings</u>	Electrician	\$11.50		<u>1</u>	
Lewis	<u>Modular Buildings</u>	Equipment Maintenance	\$11.50		<u>1</u>	
Lewis	<u>Modular Buildings</u>	Plumber	\$11.50		<u>1</u>	
Lewis	<u>Modular Buildings</u>	Production Worker	\$11.50		<u>1</u>	
Lewis	<u>Modular Buildings</u>	Tool Maintenance	\$11.50		<u>1</u>	
Lewis	<u>Modular Buildings</u>	Utility Person	\$11.50		<u>1</u>	
Lewis	<u>Modular Buildings</u>	Welder	\$11.50		<u>1</u>	
Lewis	Painters	Journey Level	\$41.60	<u>6Z</u>	<u>2B</u>	
Lewis	<u>Pile Driver</u>	Crew Tender	\$52.37	<u>5D</u>	<u>4C</u>	
Lewis	<u>Pile Driver</u>	Hyperbaric Worker - Compressed Air Worker 0- 30.00 PSI	\$71.35	<u>5D</u>	<u>4C</u>	

Lewis	<u>Pile Driver</u>	Hyperbaric Worker - Compressed Air Worker 30.01 - 44.00 PSI	\$76.35	<u>5D</u>	<u>4C</u>	
Lewis	<u>Pile Driver</u>	Hyperbaric Worker - Compressed Air Worker 44.01 - 54.00 PSI	\$80.35	<u>5D</u>	<u>4C</u>	
Lewis	<u>Pile Driver</u>	Hyperbaric Worker - Compressed Air Worker 54.01 - 60.00 PSI	\$85.35	<u>5D</u>	<u>4C</u>	
Lewis	<u>Pile Driver</u>	Hyperbaric Worker - Compressed Air Worker 60.01 - 64.00 PSI	\$87.85	<u>5D</u>	<u>4C</u>	
Lewis	<u>Pile Driver</u>	Hyperbaric Worker - Compressed Air Worker 64.01 - 68.00 PSI	\$92.85	<u>5D</u>	<u>4C</u>	
Lewis	<u>Pile Driver</u>	Hyperbaric Worker - Compressed Air Worker 68.01 - 70.00 PSI	\$94.85	<u>5D</u>	<u>4C</u>	
Lewis	<u>Pile Driver</u>	Hyperbaric Worker - Compressed Air Worker 70.01 - 72.00 PSI	\$96.85	<u>5D</u>	<u>4C</u>	
Lewis	<u>Pile Driver</u>	Hyperbaric Worker - Compressed Air Worker 72.01 - 74.00 PSI	\$98.85	<u>5D</u>	<u>4C</u>	
Lewis	<u>Pile Driver</u>	Journey Level	\$57.43	<u>5D</u>	<u>4C</u>	
Lewis	<u>Plasterers</u>	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>7</u> 4	<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>

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>7</u> A	<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>

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>

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>

Lewis	Power Equipment Operators-	Rollagon	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Lewis	Underground Sewer & Water Power Equipment Operators-	Roller, Other Than Plant Mix	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
	Underground Sewer & Water					
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>

_ewis	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		1	
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		1	
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	<u>Residential Plumbers &amp;</u> <u>Pipefitters</u>	Journey Level	\$20.40		<u>1</u>	
Lewis	Residential Refrigeration & Air Conditioning Mechanics	Journey Level	\$24.88		1	
Lewis	<u>Residential Sheet Metal</u> <u>Workers</u>	Journey Level (Field or Shop)	\$29.28		<u>1</u>	
Lewis	Residential Soft Floor Layers	Journey Level	\$11.50		<u>1</u>	
Lewis	<u>Residential Sprinkler Fitters</u> (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	<u>Residential Terrazzo/Tile</u> <u>Finishers</u>	Journey Level	\$11.50		1	
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	<u>Sign Makers &amp; Installers</u> ( <u>Electrical)</u>	Journey Level	\$18.04		<u>1</u>	
Lewis	<u>Sign Makers &amp; Installers (Non- Electrical)</u>	Journey Level	\$46.57	<u>7A</u>	<u>31</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	<u>Sprinkler Fitters (Fire</u> <u>Protection)</u>	Journey Level	\$56.81	<u>7J</u>	<u>1R</u>	
Lewis	<u>Stage Rigging Mechanics (Non</u> <u>Structural)</u>	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	<u>Surveyors</u>	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	<u>Telephone Line Construction -</u> <u>Outside</u>	Cable Splicer	\$40.52	<u>5A</u>	<u>2B</u>	
Lewis	<u>Telephone Line Construction -</u> <u>Outside</u>	Hole Digger/Ground Person	\$22.78	<u>5A</u>	<u>2B</u>	
Lewis	<u>Telephone Line Construction -</u> <u>Outside</u>	Installer (Repairer)	\$38.87	<u>5A</u>	<u>2B</u>	
Lewis	<u>Telephone Line Construction -</u> <u>Outside</u>	Special Aparatus Installer I	\$40.52	<u>5A</u>	<u>2B</u>	
Lewis	<u>Telephone Line Construction -</u> <u>Outside</u>	Special Apparatus Installer II	\$39.73	<u>5A</u>	<u>2B</u>	
Lewis	<u>Telephone Line Construction -</u> <u>Outside</u>	Telephone Equipment Operator (Heavy)	\$40.52	<u>5A</u>	<u>2B</u>	
Lewis	<u>Telephone Line Construction -</u> <u>Outside</u>	Telephone Equipment Operator (Light)	\$37.74	<u>5A</u>	<u>2B</u>	
Lewis	<u>Telephone Line Construction -</u> <u>Outside</u>	Telephone Lineperson	\$37.74	<u>5A</u>	<u>2B</u>	
Lewis	<u>Telephone Line Construction -</u> <u>Outside</u>	Television Groundperson	\$21.60	<u>5A</u>	<u>2B</u>	
Lewis	<u>Telephone Line Construction -</u> <u>Outside</u>	Television Lineperson/Installer	\$28.68	<u>5A</u>	<u>2B</u>	
Lewis	<u>Telephone Line Construction -</u> <u>Outside</u>	Television System Technician	\$34.10	<u>5A</u>	<u>2B</u>	
Lewis	<u>Telephone Line Construction -</u> <u>Outside</u>	Television Technician	\$30.69	<u>5A</u>	<u>2B</u>	
Lewis	<u>Telephone Line Construction -</u> <u>Outside</u>	Tree Trimmer	\$37.74	<u>5A</u>	<u>2B</u>	
Lewis	<u>Terrazzo Workers</u>	Journey Level	\$51.36	<u>5A</u>	<u>1M</u>	
Lewis	<u>Tile Setters</u>	Journey Level	\$21.65		<u>1</u>	
Lewis	<u>Tile, Marble &amp; Terrazzo</u> <u>Finishers</u>	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>8</u>
Lewis	Truck Drivers	Asphalt Mix To 16 Yards (W.	\$51.86	<u>5D</u>	<u>3A</u>	<u>8</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>61</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 nonstandard 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.		Х
5.	Concrete Pipe - Plain Concrete pipe and reinforced concrete pipe Class 2 to 5 sizes larger than 60 inch diameter.		х
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.		х
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 DESCRIP	ΓΙΟΝ
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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.	Х	
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 PilingPrecast-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.		Х

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		х
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.		Х
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.		х
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

# **ITEM DESCRIPTION**

YES NO

27.	Precast Railroad Crossings - Concrete Crossing Structure Slabs.	Х	
28.	<ul> <li>12, 18 and 26 inch Standard Precast Prestressed Girder –</li> <li>Standard Precast Prestressed Girder for use in structures.</li> <li>Fabricator plant has annual approval of methods and materials to</li> <li>be used. Shop Drawing to be provided for approval prior to casting girders.</li> <li>See Std. Spec. Section 6-02.3(25)A</li> </ul>	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
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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.	х	
36.	<ul> <li>Steel Sign Bridges - Steel Sign Bridges fabricated from steel tubing meeting AASHTO-M-138 for Aluminum Alloys.</li> <li>See Std. Plans, and Contract Plans for details. The steel structure</li> <li>shall be galvanized after fabrication in accordance with AASHTO-M-111.</li> </ul>	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.	Х	
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 Specia Provisions for pre-approved drawings.	x	
40.	<ul> <li>Traffic Signal Standards - Traffic Signal Standards for use on highway and/or street signal systems. Standards to be fabricated</li> <li>to conform with methods and material as specified on Std. Plans.</li> <li>See Special Provisions for pre-approved drawings</li> </ul>	x	
41.	Precast Concrete Sloped Mountable Curb (Single and DualFaced) See Std. Plans.		x

	ITEM DESCRIPTION	YES	NO
42.	<ul> <li>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</li> <li>sheeting.</li> <li>NOTE: *** Fabrication inspection required. Only signs tagged "Fabrication Approved" by WSDOT Sign Fabrication Inspector to be installed</li> </ul>	x	x
		Custom Message	Std Signing Message
43.	Cutting & bending reinforcing steel		X
44.	Guardrail components	X	Х
		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		Х
48.	Electrical wiring/components		X
49.	treated or untreated timber pile		X
50.	Girder pads (elastomeric bearing)	Х	
51.	Standard Dimension lumber		X
52.	Irrigation components		Χ

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

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 <u>39.12.010</u>

<sup>(</sup>The definition of "locality" in RCW <u>39.12.010</u>(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 prevailing wage rates for the county in which the 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.]

#### **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 fourten 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, tenhour 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:**

5.

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 fourday, ten hour work week, and Saturday shall be paid at one and one half  $(1\frac{1}{2})$  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

- 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).

#### **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).
  - 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).

6.

- 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).

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### **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.

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

#### **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

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

8.

- 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.

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

#### **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 Lewis County Central Transfer Station Repairs, Project No. RESWCT.

#### 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 LEWIS COUNTY CENTRAL TRANSFER STATION REPAIRS, PROJECT NO. RESWCT, 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 guestions 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 Lewis County Central Transfer Station Repairs, Project No. RESWCT, 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			UNIT PRICE DOLLARS CENTS	AMOUNT DOLLARS CENTS
1	1 L.S.	Mobilization		LUMP SUM	\$
2	3,600 S.F.	Floor Prep.	Tipping Floor Surface Removal	\$	\$
3	150 S.F.	Crane Beam Prep.	Bottom and Sides	\$	\$
4	105 S.F.	Wall Preparation	Demolition of 1' Thick Push Wall	\$	\$
5	375 S.F.	Wall Preparation	One side of Push Wall	\$	\$
6	300 L.F.	Floor Prep.	1 1/2" saw cut @ perimeter of Floor Repair	\$	\$
7	50 L.F.	Demolish Baffle Plate	3/8" Plate & Angle Frame	\$	\$
8	1 L.S.	Temporary barricades & protection	Barricades and staffing during construction	LUMP SUM	\$
9	3,600 S.F.	Floor Repair	Tipping Floor Overlay	\$	\$
10	150 S.F.	Crane Beams	Surface Repair Coat	\$	\$
11	375 S.F.	Wall Repair	Push Wall Repair Coat	\$	\$
12	105 S.F.	New Wall	1' wide Push wall	\$	\$
13	3,800 LB.	Transition Plate Overlay	3/8" AR400 Plate cover	\$	\$
14	2,300 LB.	Baffle Plate	1/2" AR400 Plate	\$	\$
15	1,750 LB.	Baffle Plate Support Angles	L3.5x3.5x1/4	\$	\$
16	500 LB.	Baffle Plate Stiffener Angle	L6x4x3/8	\$	\$
17	90 EA.	Angle Ahesive Anchors	3/4" Dia.x 4" Embed	\$	\$
				Sub Total	\$
				Sales Tax @ 8.2%	\$
				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:

- 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.
- 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.

SR

DOT Form 272-036I EF 07/2011 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	
CASHI	ER'S CHECK	□		DOLLARS
CERTI	FIED CHECK	□ (\$) F	PAYABLE TO THE LEWIS COUNTY 1	REASURER
PROPC	OSAL BOND		OF 5% OF THE BID	
** Receipt is he	ereby acknow	ledged of addendum(s)	No.(s),,,	, &
SIGNA	TURE OF AU		S)	
<b>Proposal</b> M	lust be Sig	ned		
		Firm Name Address		
State of Washir	ngton Contrac	tor's License No.		
Unified	Business Ider	ttifier (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	ł		
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 corner	ation. State where I	business entity was formed:
state of incorporation,	or in not a corpora	ation, state where	business entity was formed.
Maria and a state of the state	c		
If a co-partnership, give	e 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 Lewis County Central Transfer Station by repairing the tipping floor, the crane beams, the waste chutes, the push walls, 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. <u>CANCELLATION OF CONTRACT FOR VIOLATION OF STATE POLICY</u>

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
APPROVED AS TO FORM:	Performance of foregoing contract assured in accordance with the terms of the accompanying bond.
JONATHAN MEYER Prosecuting Attorney	Dated:, 2018 By: Surety
By:	
Civil Deputy	By: Attorney-in-fact
	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 bound unto LEWIS COUNTY, WASHINGTON (hereinafte	(hereinafter "Surety"), are held and firmly r "County"), as Obligee, in an amount (in lawful money of the
United States of America) equal to the total compensation and completion of Principal's work under Contract No. <b>RESWCT</b>	expense reimbursement payable to Principal for satisfactory between Principal and County, which total is <i>initially</i>
Dollars (\$	), for the payment of which sum Principal and Surety bind
presents Said contract (hereinafter referred to as "the Contrac and is made a part hereof by this reference. The Contract inclu	es, successors and assigns, jointly and severally, firmly by these ct") is for the <u>Lewis County Central Transfer Station Repairs</u> udes the original agreement as well as all documents attached , and any other document modifying, adding to or deleting from

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. <u>RESWCT</u>, between the below-named Contractor and County for the <u>Lewis County Central Transfer Station Repairs</u>, 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 <u>Key Rating Guide</u>.

**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 <u>currently-dated</u>, 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	By:
By(Signature of Attorney-in-Fact)	(Signature of authorized signer for Contractor)
(Type or print name of Attorney-in-Fact)	(Type or print name of signer for Contractor)
(Type or print telephone number for Attorney-in-Fact)	(Type or print title of signer for Contractor)
STATE OF) ) ss:	ACKNOWLEDGMENT FOR CONTRACTOR
COUNTY OF)	
uses and purposes therein mentioned, and on oath stated the WITNESS my hand and official seal hereto affixed the day	
(Signature of Notary Public)	(Print or type name of Notary Public)
Notary Public in and for the State of My commission expires	residing at
STATE OF) COUNTY OF) ss:	ACKNOWLEDGMENT FOR SURETY
authorized to execute said bond on behalf of the Surety, and	otary public in and for the State of, duly commissioned and sworn, rney-in-Fact for the Surety that executed the foregoing bond, and acknowledged said y for the uses and purposes therein mentioned, and on oath stated that is d that the seal affixed on said bond or the annexed Power of Attorney is the corporate ereto 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.

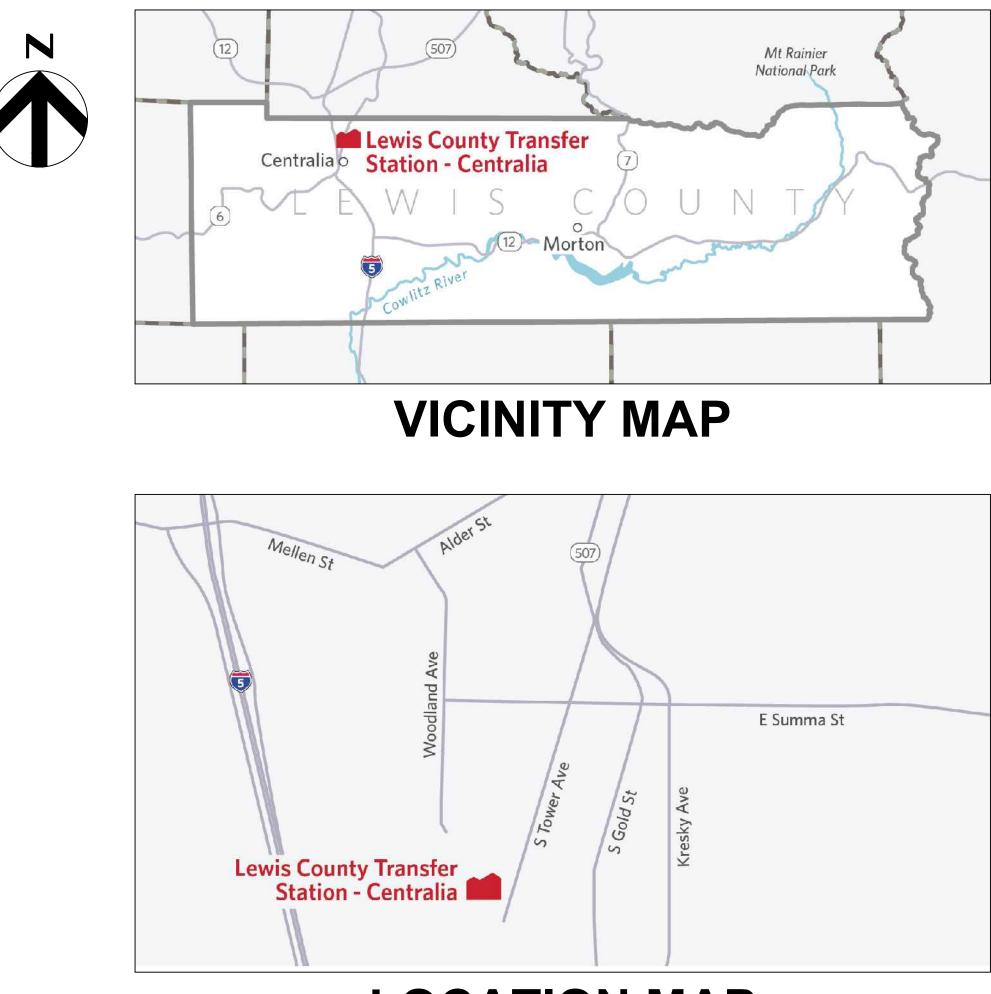
#### POWER EQUIPMENT

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

## **APPENDIX D**

**CONTRACT PLANS** 





**LOCATION MAP** 

Contract Drawings For

# **Central Lewis Co. Transfer Station**

# **Transfer Station** Repairs

**Issued for Construction** 

Project No. 10059657

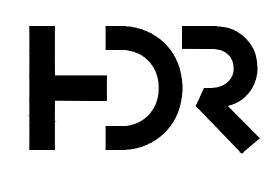
Centralia, Lewis County, Washington April, 2018

# INDEX OF DRAWINGS

# GENERAL G-001 COVER SHEET

STRU	JCTURAL
C 001	

S-001	GENERAL NOTES
S-002	TRANSFER STATION - EXIS
S-003	TRANSFER STATION - EXI
S-004	<b>TRANSFER STATION - STR</b>
S-005	<b>TRANSFER STATION - STR</b>
S-006	<b>TRANSFER STATION - STR</b>
S-007	<b>TRANSFER STATION - STR</b>



STING CONDITIONS AND DEMOLITION PLAN **KISTING CONDITIONS AND DEMOLITION SECTIONS** RUCTURAL REPAIRS PLAN RUCTURAL REPAIRS - SECTIONS, VIEWS, AND DETAILS RUCTURAL REPAIRS - SECTIONS AND DETAILS RUCTURAL REPAIRS - SECTIONS AND DETAILS

			ODETE	
GENERAL UNLESS NOTED OTHERWIS	SE (UNO):		CRETE SS NOTED OTHERWISE:	
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	JCTURE STABILITY DURING CONSTRUCTION ARE THE SOLE RESPONSIBILITY OF R. STRUCTURES HAVE BEEN DESIGNED TO RESIST THE DESIGN LOADS ONLY AS RUCTURE.	C5. I	ALL CHAMFERS MAY BE SHOWN ON I	NINGS AND EMBEDDED ITEMS AS INDICATED.
EQUIPMENT SHAL	ENSIONS CONTROLLED BY OR RELATED TO MECHANICAL OR ELECTRICAL L BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.	   	REGISTERED PROFESSIONAL ENGINI APPLICABLE PROJECT AND CODE RE	ENGINEER SHALL BE DESIGNED AND CERTIFIED BY A EER, RETAINED BY THE CONTRACTOR, IN ACCORDANCE EQUIREMENTS. SUBMIT AS A SHOP DRAWING FOR REVIE RDINATE LOCATION, SIZE AND EMBEDMENT PRIOR TO C.
AND REVEALS NO	<u>UIPMENT</u> ELECTRICAL EQUIPMENT SUPPORTS, ANCHORAGES, OPENINGS, RECESSES T SHOWN ON THE STRUCTURAL DRAWINGS BUT REQUIRED BY OTHER MENTS SHALL BE PROVIDED PRIOR TO CASTING CONCRETE.	:	SHALL BE ALLOWED WITHOUT SPECI	ORCING BARS OR TORCHING TO BEND REINFORCING B FIC APPROVAL FROM THE STRUCTURAL ENGINEER. CRETE PLACEMENT PLAN PER SPECIFICATIONS IDENTIF
G8. <u>CONSTRUCTION JOIN</u> UNLESS OTHERWI APPROVAL OF TH	SE SHOWN, LOCATION OF ALL CONSTRUCTION JOINTS SHALL HAVE THE	C9.	JOINT TYPES, JOINT LOCATIONS AND ALL CAST-IN-PLACE AND POST-INSTA	CRETE PLACEMENT PLAN PER SPECIFICATIONS IDENTIF CONCRETE PLACEMENT SEQUENCE. ALLED ANCHORS INDICATED IN THE STRUCTURAL DOCU F ACI 318 AND CHAPTER 19 OF THE IBC. ALL EXPANSION
CONDITIONS ARE	ETAILS DEPICT TYPICAL DETAILING TO BE USED ON THIS PROJECT. IF NOT EXPLICITLY SHOWN ON THE DRAWINGS THEY SHALL BE MADE SIMILAR TO ETAILS. OBTAIN APPROVAL OF ENGINEER IN WRITING FOR SIMILAR CONDITIONS RUCTION.		ADHESIVE ANCHORS SHALL HAVE AN	NICC REPORT SHOWING EQUIVALENT LOAD CAPACITY.
	R SHALL FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS OF EXISTING S REQUIRED TO COORDINATE NEW CONSTRUCTION. SUBMIT REQUIRED			
FORCES, SUPPOR REQUIRED BY SUC SUPPORT SAID EC	SUBMIT FOR REVIEW ALL EQUIPMENT SIZES, OPERATING WEIGHTS, VIBRATION T LOCATIONS, ALONG WITH ANY FLOOR OPENINGS, NOTCHES, AND RECESSES CH EQUIPMENT. CONCRETE SUPPORT PADS AND/OR FRAMING REQUIRED TO QUIPMENT SHALL NOT BE FABRICATED AND PLACED UNTIL THE CONCRETE ND/OR FRAMING IS APPROVED TO SUPPORT THE EQUIPMENT.			
SHALL CONTROL F	NFLICTS IN THE CONTRACT DOCUMENTS, THE MOST STRINGENT REQUIREMENTS FOR BID PURPOSES. SUBMIT QUESTIONS IN WRITING TO ENGINEER FOR RIOR TO CONSTRUCTION.			

0	04/19/2018	ISSUED FOR CONSTRUCTION	

DESCRIPTION

ISSUE

DATE

5

STEEL

UNLESS NOTED OTHERWISE:

DESIGN STRENGTHS:	
WIDE FLANGE AND TEES:	Fy=50 KSI
HSS SECTIONS:	Fy=46 KSI
WEAR PLATES ASTM A514 AR400:	Fy=100 KSI
ALL OTHER PLATES AND SHAPES:	Fy=36 KSI
	WIDE FLANGE AND TEES: HSS SECTIONS: WEAR PLATES ASTM A514 AR400:

S2. DIMENSIONS:

TO CENTERLINES OF COLUMNS AND BEAMS, TOP SURFACES OF BEAMS AND TUBES AND BACKS OF CHANNELS AND ANGLES.

S3. <u>ELEVATIONS</u>: 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. FOR ASTM A514 PLATE, USE E7018 ELECTRODES.
- 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 360, STEEL CONSTRUCTION MANUAL AND AISC 341, SEISMIC DESIGN MANUAL.
- S9. STEEL EXPOSED TO MOIST OR CORROSIVE ATMOSPHERES SHALL BE GALVANIZED. THESE STEEL APPLICATIONS INCLUDE BUT ARE NOT LIMITED TO STEEL FABRICATIONS WITHIN THE VAULT STRUCTURE AND EXPOSED TO WEATHER.
- S10. ALL STEEL BEAMS SHALL RECEIVE STANDARD CAMBER PER THE SPECIFICATIONS UNLESS NOTED OTHERWISE ON THE PLANS. BEAMS REQUIRING SPECIAL CAMBER ARE DENOTED ON THE BEAMS SHOWN ON THE FRAMING PLANS. EXAMPLE: (+1/2") INDICATES 1/2".

PROJECT MANAGER OLIVIA WILLIAMS DESIGNED BY C. GIPSON DRAFTED BY R. MUNRO CHECKED BY R. RELLA PROJECT NUMBER 10059657



LEWIS COUNTY - ost. 1815

A A A

LEWIS COUNTY SOLID WASTE DEPARTMENT CENTRAL LEWIS CO. TRANSFER STATION REPAIRS **CENTRAILIA, WASHINGTON** 

7	8	

STRUCTURAL **GENERAL NOTES** 

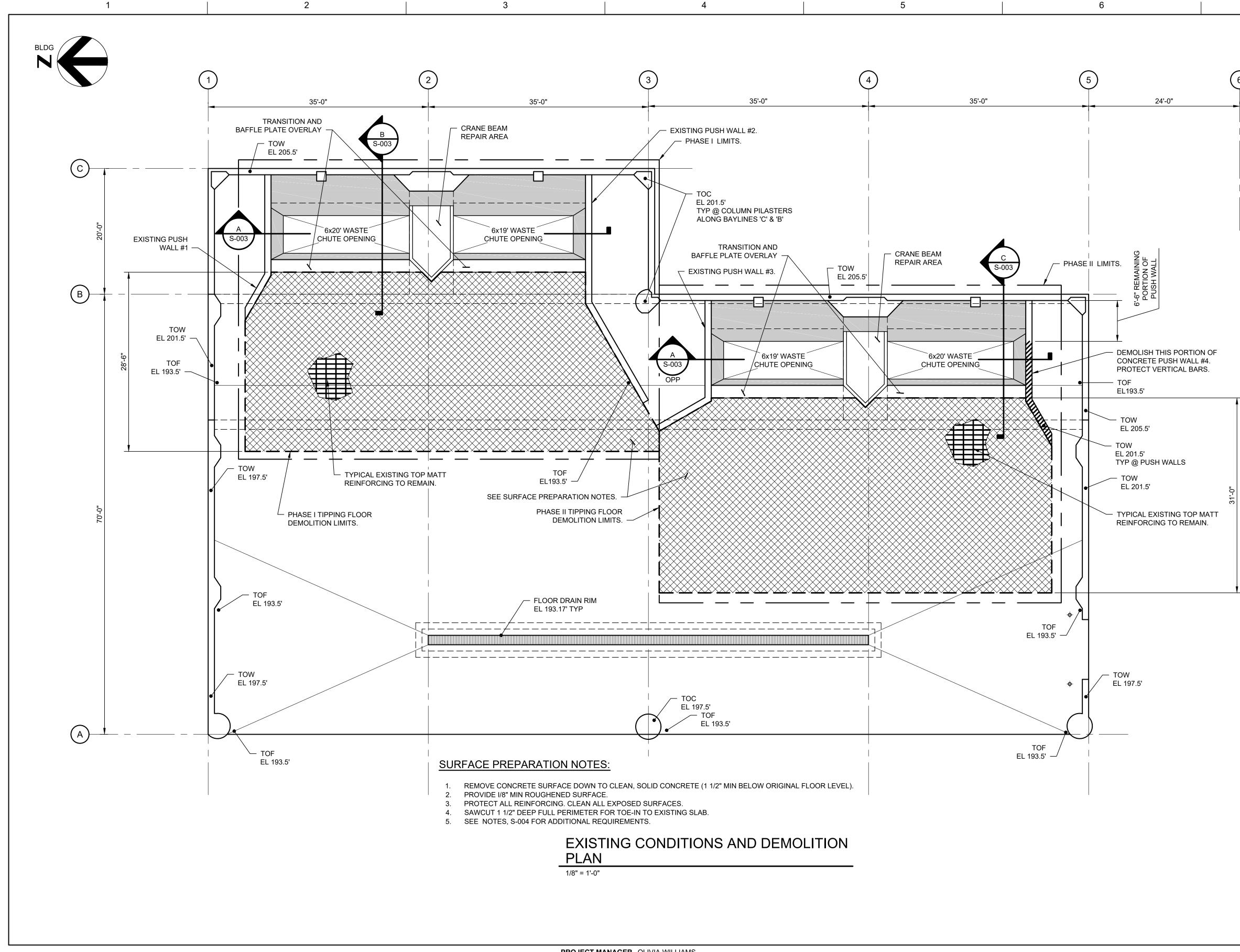
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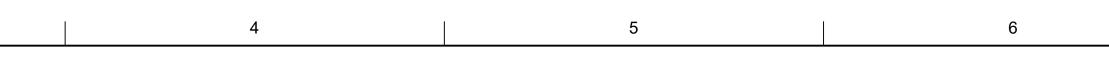
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PROJECT MANAGER OLIVIA WILLIAMS DESIGNED BY C. GIPSON DRAFTED BY R. MUNRO CHECKED BY R. RELLA PROJECT NUMBER 10059657



LEWIS COUNTY - est. 1815

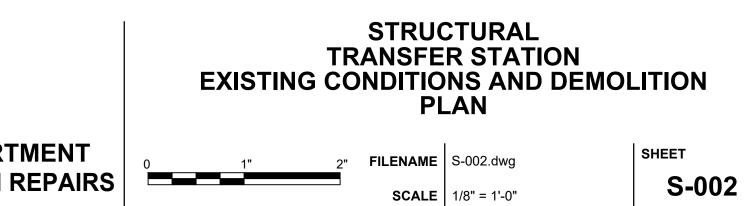


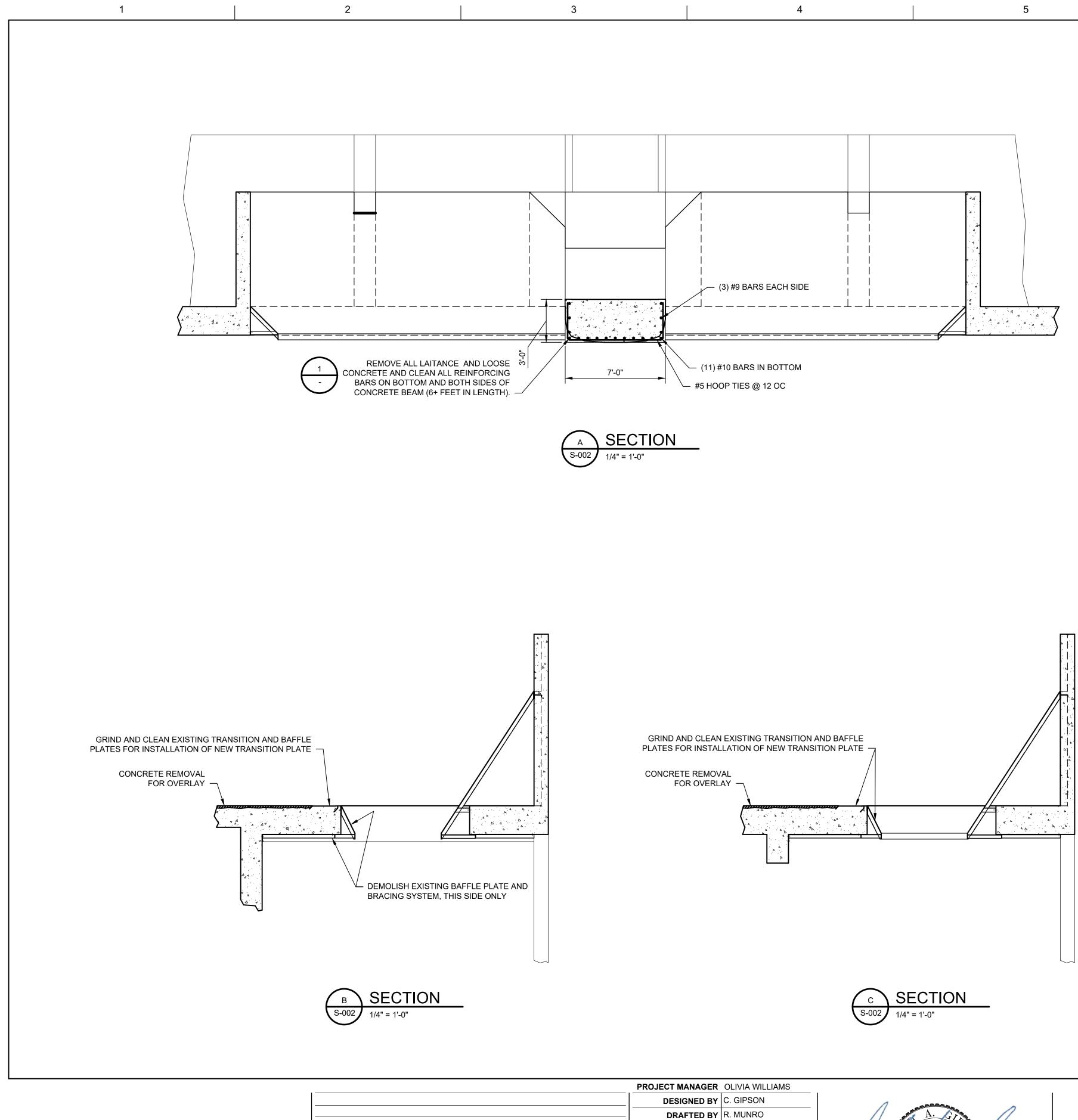
LEWIS COUNTY SOLID WASTE DEPARTMENT CENTRAL LEWIS CO. TRANSFER STATION REPAIRS **CENTRAILIA, WASHINGTON** 

6 1. SEE DRAWING S-001 FOR GENERAL NOTES. 2. CONTRACTOR TO WORK WITHIN THE LIMITS OF EACH IDENTIFIED PHASE. OWNER TO HAVE FULL ACCESS TO USE AREA IDENTIFIED IN NON-CURRENT PHASE FOR STATION OPERATIONS. 3. ELEVATIONS NOTED ARE PER ORIGINAL PLANS. CONTRACTOR TO VERIFY PRIOR TO REPAIR INITIATION.  I I I I I I I I I I I I I I I I I I		NOTEO
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PLANS. CONTRACTOR TO VERIFY PRIOR TO REPAIR INITIATION. LEGEND: EXISTING STEEL CHUTE PLATE TIPPING FLOOR DEMOLITION AREA		OF EACH IDENTIFIED PHASE. OWNER TO HAVE FULL ACCESS TO USE AREA IDENTIFIED IN NON-CURRENT PHASE FOR STATION
EXISTING STEEL CHUTE PLATE		PLANS. CONTRACTOR TO VERIFY PRIOR TO
TIPPING FLOOR DEMOLITION AREA		LEGEND:
		EXISTING STEEL CHUTE PLATE
WALL DEMOLITION AREA		TIPPING FLOOR DEMOLITION AREA
		WALL DEMOLITION AREA
		EXISTING REINFORCING REFERENCE

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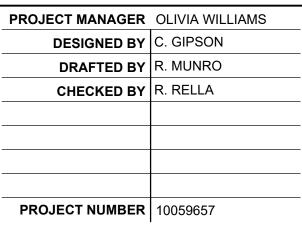


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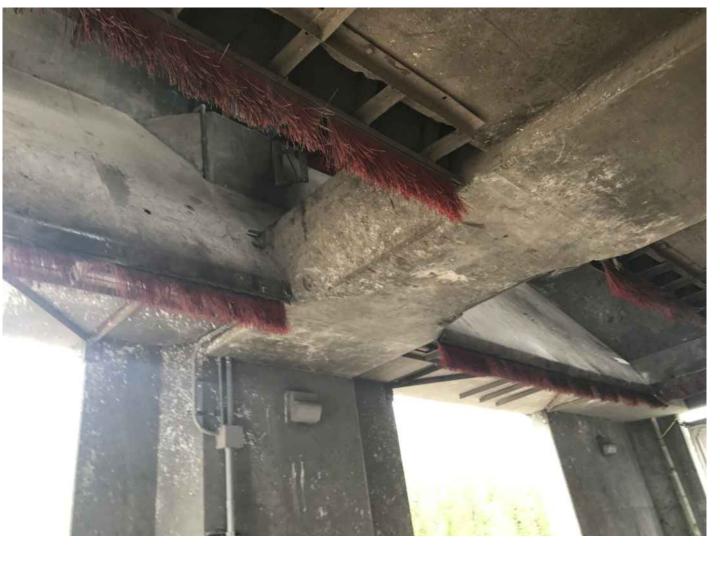








LEWIS COUNTY - est. 1815 LEWIS COUNTY SOLID WASTE DEPARTMENT CENTRAL LEWIS CO. TRANSFER STATION REPAIRS **CENTRAILIA, WASHINGTON** 





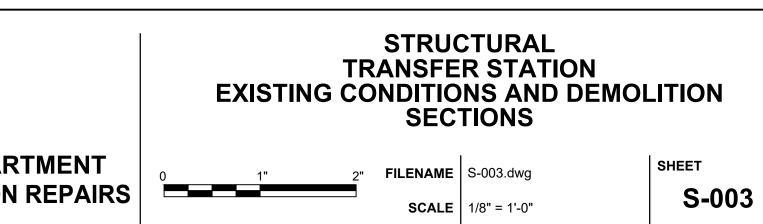
# TYP CRANE BEAM DAMAGE

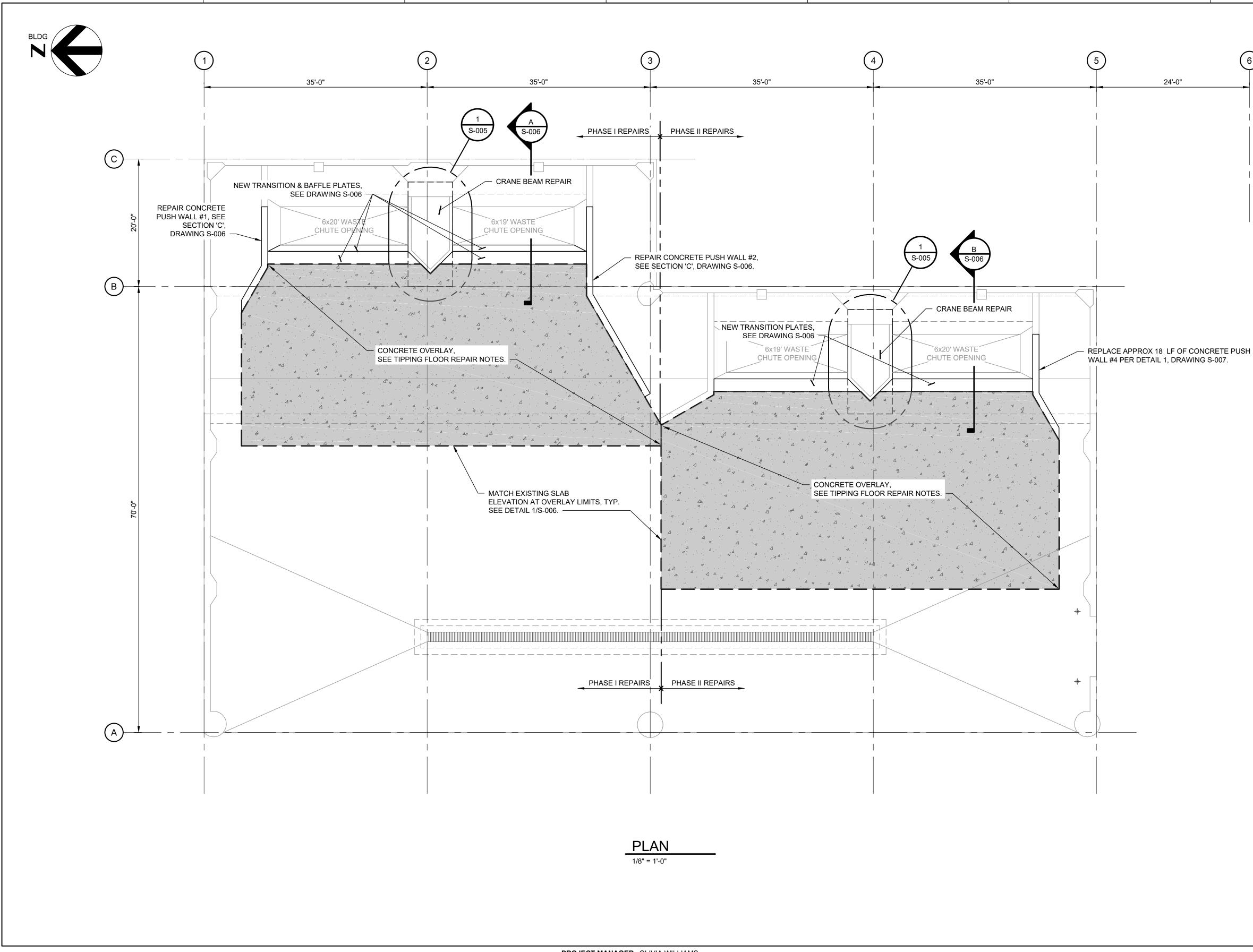
- NOTES:
- 1. SEE DRAWING S-001 FOR GENERAL NOTES.

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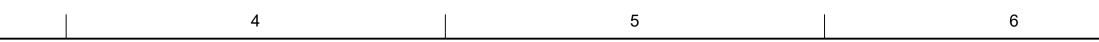




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PROJECT MANAGER OLIVIA WILLIAMS DESIGNED BY C. GIPSON DRAFTED BY R. MUNRO CHECKED BY R. RELLA PROJECT NUMBER 10059657



LEWIS STRUCTURAL COUNTY **TRANSFER STATION** - est. 1815 STRUCTURAL REPAIRS PLAN LEWIS COUNTY SOLID WASTE DEPARTMENT SHEET FILENAME S-004.dwg CENTRAL LEWIS CO. TRANSFER STATION REPAIRS S-004 **SCALE** 1/8" = 1'-0" **CENTRAILIA, WASHINGTON** 

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NOTES:

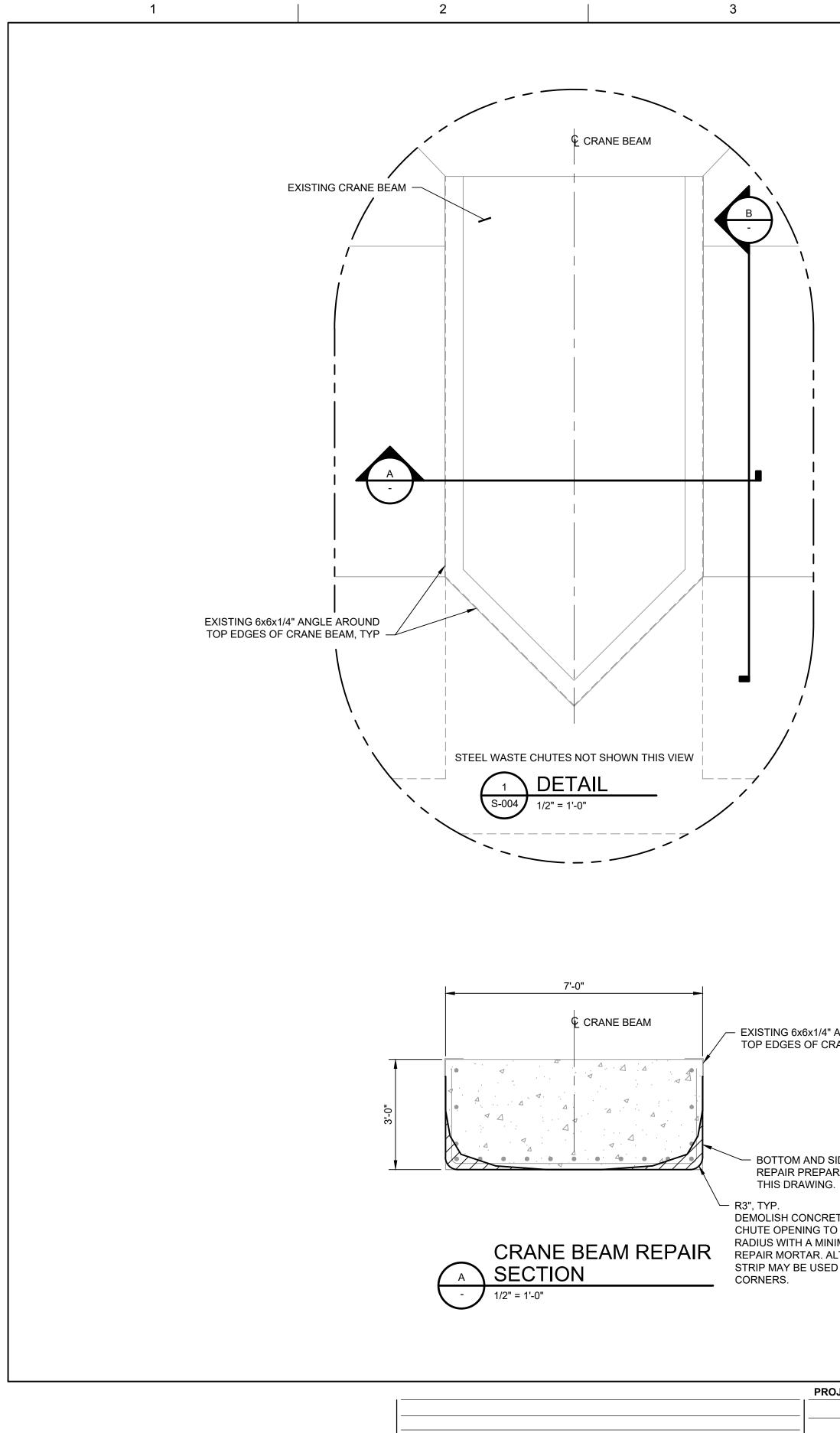
1. SEE DRAWING S-001 FOR GENERAL NOTES.

### **TIPPING FLOOR REPAIR NOTES:**

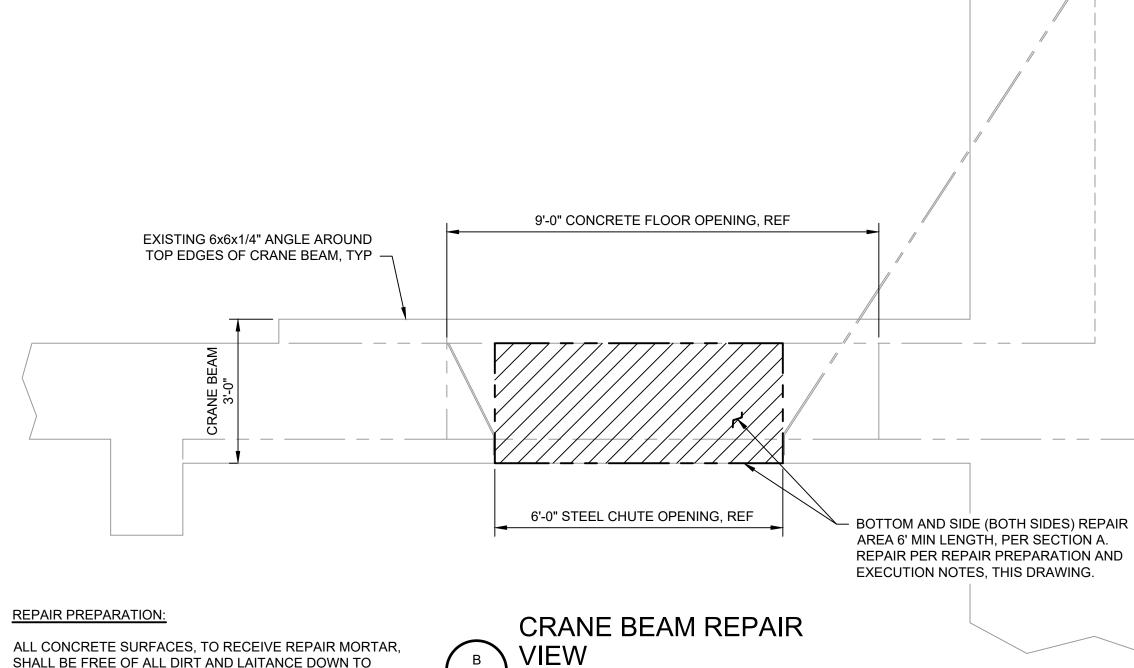
#### GENERAL: 1. THE TIPPING AREA IS DIVIDED INTO TWO REPAIR AREAS. ONE HOPPER AND FLOOR REPAIR AREA SHALL REMAIN IN OPERATION DURING THE DURATION OF THE ADJACENT REPAIR AREA. THE CONTRACTOR SHALL PROVIDE A DETAILED SCHEDULE DEFINING AT A MINIMUM THE REQUIREMENTS FOR SURFACE PREPARATION, REPAIR, AND CURING. 2. DO NOT PLACE BACK INTO SERVICE THE TIPPING FLOOR UNTIL THE NEWLY PLACED FLOOR REPAIR TOPPING HAS ACHIEVED 80 % DESIGN STRENGTH. 3. CONTRACTOR SHALL PROVIDED CONCRETE TRAFFIC BARRIERS TO ISOLATE THE REPAIR AREA(S) FROM ACTIVE TRANSFER STATION **OPERATIONS. THESE BARRIERS SHALL REMAIN IN** PLACE UNTIL THE FLOOR REPAIR TOPPING HAS ACHIEVED AN APPROVED DESIGN STRENGTH (SEE NOTE 2). 4. CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF TEMPORARY LINER TO PROTECT WORK AREA FROM LIQUIDS RELEASED ON OPERATING FLOOR. 5. TRANSFER STATION OPERATIONS WILL BE MAINTAINED DURING THE WORK. THE CONTRACTOR'S REPAIR WORK CANNOT INTERFERE OR IMPACT OPERATIONS. SURFACE PREPARATION: 1. ALL EXISTING CONCRETE SURFACES, RECEIVING A TOPPING/OVERLAY SHALL BE SOUND, CLEAN, AND FREE OF ALL BOND-INHIBITING MATERIALS INCLUDING OIL, DIRT, DUST, LAITANCE AND STANDING WATER, REMOVE ALL LOOSE AND DETERIORATED CONCRETE BY SCARIFICATION, OR ALTERNATE METHOD APPROVED BY ENGINEER. CONCRETE SURFACE SHALL BE SCARIFIED DOWN TO SOUND CONCRETE WITH A MINIMUM SURFACE PROJECTION OF 1/8" MINIMUM. 2. <u>SCRUB COAT: DAMPEN THE AREA TO BE</u> REPAIRED SO THAT THE PORES OF THE CONCRETE ARE FILLED WITH WATER. REMOVE ANY PONDING OR GLISTENING WATER REMAINING ON THE SURFACE. BRUSH A MORTAR SCRUB COAT INTO THE CONCRETE SUBSTRATE TO ESTABLISH A BOND. THE SCRUB COAT SHALL REMAIN WET OR TACKY UNTIL THE PLACEMENT OF THE TOPPING SLAB. IF THE SCRUB COAT DRIES A FRESH SCRUB COAT SHALL BE APPLIED. THE MORTAR SCRUB COAT SHALL CONSIST OF 1 PART PORTLAND CEMENT AND 2 PARTS FINE AGGREGATE. 3. APPLY CORROSION INHIBITOR TO EXPOSED EXISTING REINFORCING USING "Sika FerroGard-903" OR APPROVED EQUIVALENT. CONCRETE OVERLAY: 1. 2" MINIMUM THICKNESS, 6,000 PSI CONCRETE MIX WITH 1/2" MAXIMUM AGGREGATE SIZE. SEE SPECIFICATIONS FOR CEMENT, AIR CONTENT, AND WATER TO CEMENT RATIO REQUIREMENTS.

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1/2" = 1'-0"

ALL CONCRETE SURFACES, TO RECEIVE REPAIR MORTAR, SHALL BE FREE OF ALL DIRT AND LAITANCE DOWN TO SOUND CONCRETE. ALL REINFORCING SHALL BE CLEANED TO REMOVE ALL BOND INHIBITING MATERIALS. SAWCUT PERIMETER OF REPAIR AREA TO PRODUCE 1/2" MINIMUM MORTAR THICKNESS. PRODUCE A SURFACE PROFILE OF ±1/8" OVER AREA TO BE REPAIRED.

**REPAIR EXECUTION:** 

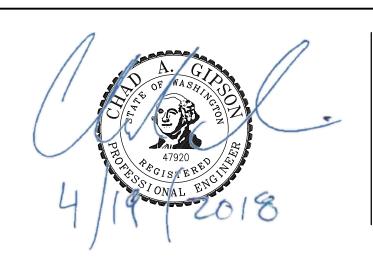
- 1. COAT ALL REINFORCING AND CONCRETE WITH
- BONDING/CORROSION INHIBITOR. 2. APPLY MULTIPLE LAYERS (1 1/2" MAXIMUM
- THICKNESS) OF NON-SAG MORTAR TO UNDERSIDE AND SIDES OF CONCRETE BEAM TO PRODUCE ORIGINAL 7 FT WIDE x 3 FT DEEP SECTION.
- 3. ROUND BOTTOM CORNERS. ALTERNATELY, A 2" CHAMFER STRIP MAY BE USED IN LIEU OF ROUNDED CORNERS.
- 4. CURE PER MANUFACTURER'S INSTRUCTIONS.

- EXISTING 6x6x1/4" ANGLE AROUND TOP EDGES OF CRANE BEAM, TYP

BOTTOM AND SIDE (BOTH SIDES) REPAIR PER REPAIR PREPARATION AND EXECUTION NOTES,

DEMOLISH CONCRETE AT ENDS OF BEAM WITHIN CHUTE OPENING TO ACCOMMODATE FINISHED RADIUS WITH A MINIMUM 1/2" THICKNESS OF REPAIR MORTAR. ALTERNATELY, A 2" CHAMFER STRIP MAY BE USED IN LIEU OF ROUNDED

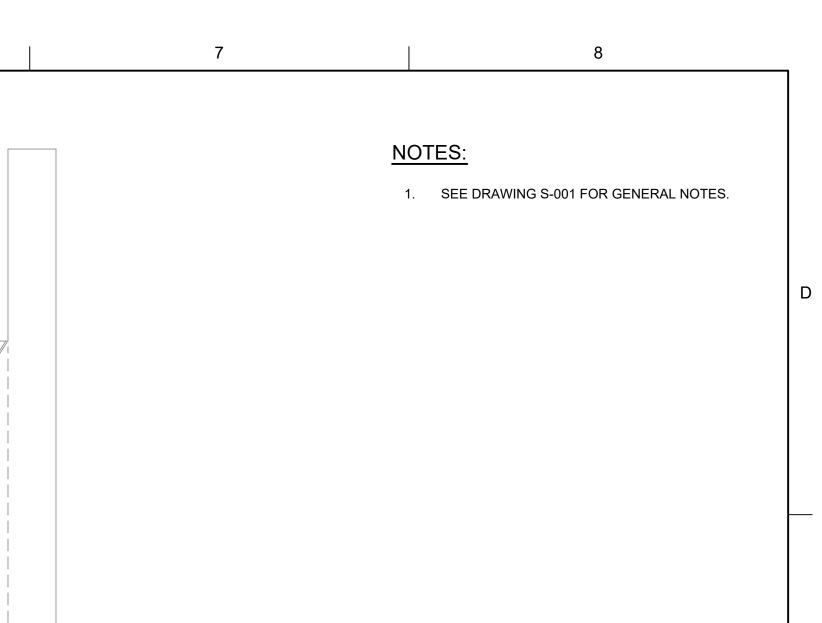
PROJECT MANAGER	OLIVIA WILLIAMS
DESIGNED BY	C. GIPSON
DRAFTED BY	R. MUNRO
CHECKED BY	R. RELLA
PROJECT NUMBER	10059657





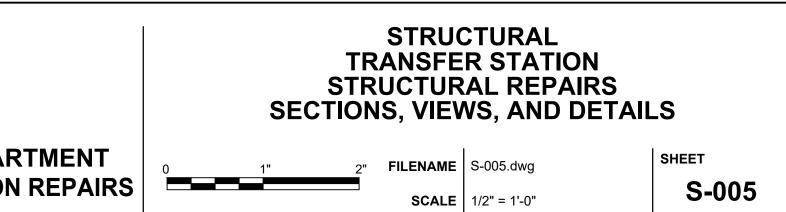


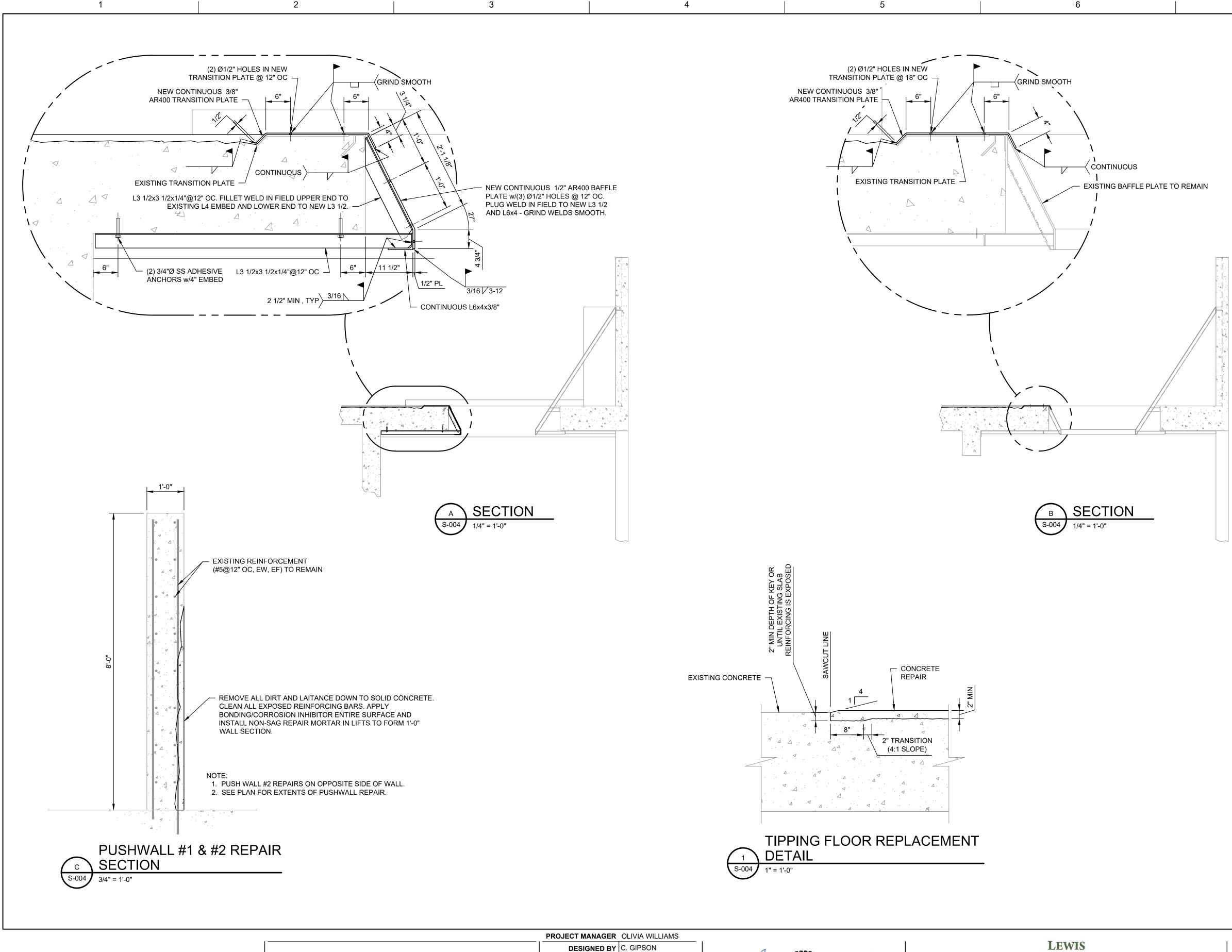
LEWIS COUNTY SOLID WASTE DEPARTMENT CENTRAL LEWIS CO. TRANSFER STATION REPAIRS **CENTRAILIA, WASHINGTON** 



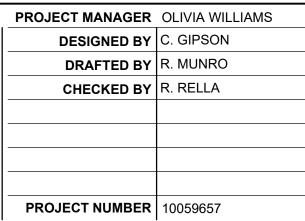
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LEWIS COUNTY SOLID WASTE DEPARTMENT CENTRAL LEWIS CO. TRANSFER STATION REPAIRS **CENTRAILIA, WASHINGTON** 

COUNTY

- est. 1845

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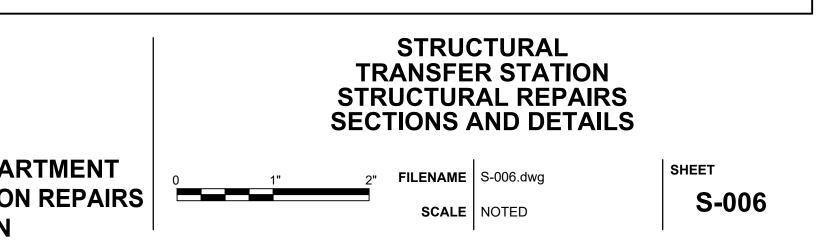
## NOTES:

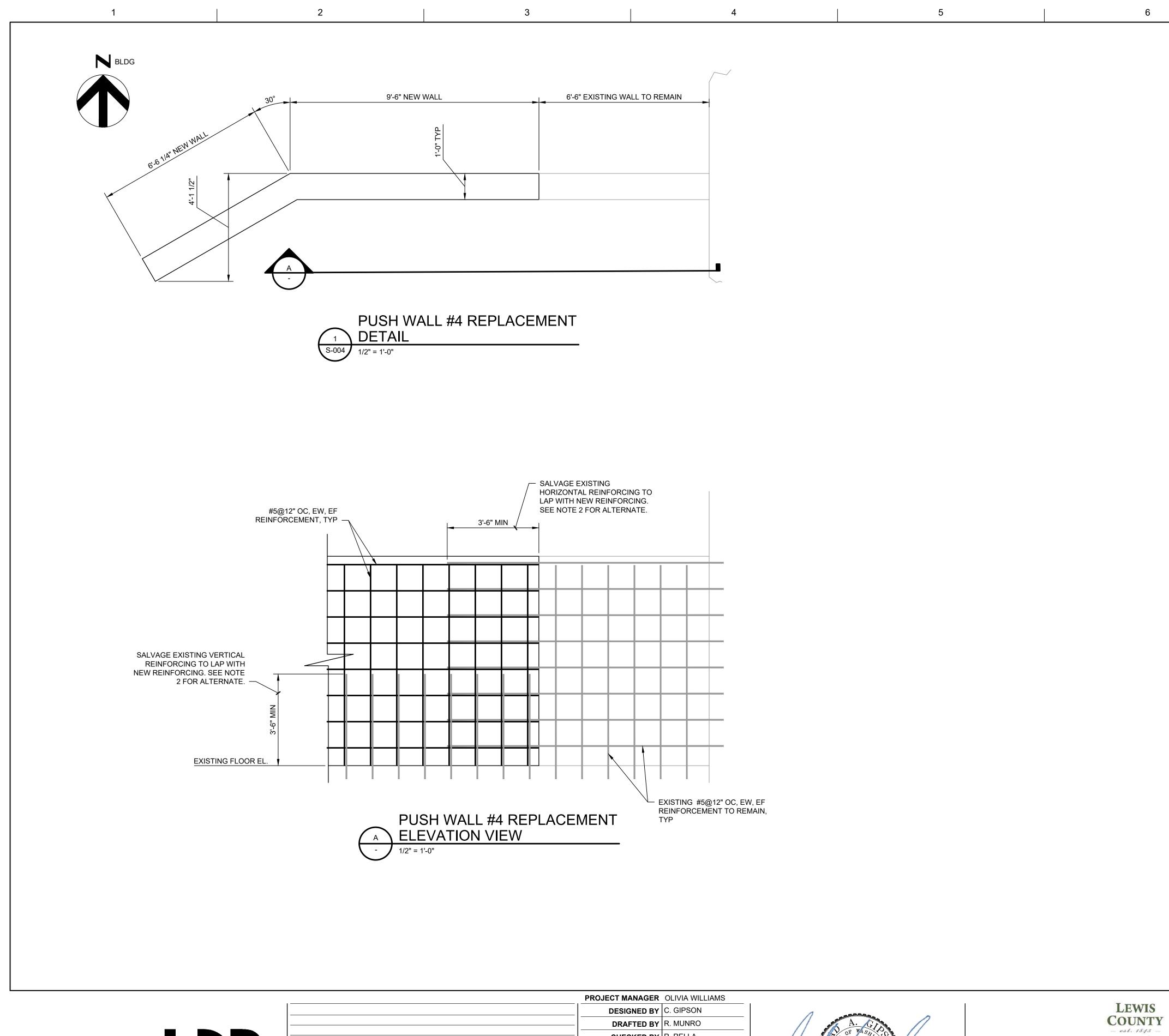
1. SEE DRAWING S-001 FOR GENERAL NOTES.

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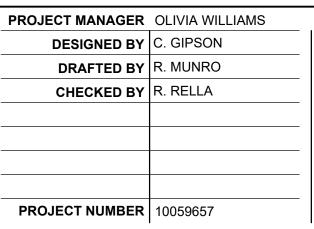
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LEWIS COUNTY SOLID WASTE DEPARTMENT CENTRAL LEWIS CO. TRANSFER STATION REPAIRS CENTRAILIA, WASHINGTON

## NOTES:

- 1. SEE DRAWING S-001 FOR GENERAL NOTES.
- 2. ALTERNATE: IN LIEU OF SALVAGING EXISTING REINFORCING STEEL, CONTRACTOR MAY REMOVE ALL EXISTING REINFORCING AND DRILL AND EPOXY IN NEW #5 DOWELS TO LAP WITH NEW WALL REINFORCING STEEL (BOTH HORIZONTAL AND VERTICAL BARS). INSTALL EPOXIED BARS WITH HILTI HIT RE 500 OR APPROVED EQUIVALENT WITH MINIMUM 6" EMBEDMENT AND LAP LENGTH OF 3'-6" WITH MAIN WALL REINFORCING STEEL.

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