



**PROJECT MANUAL:
BID REQUEST / BID DOCUMENTS**

*City of Coburg Secondary Wellfield
April 14th, 2023*

Specifications & Proposal Package

City of Coburg
91136 N. Willamette Street
Coburg, Oregon 97408

Bid Opening: May 2nd, 2023, 2:00 p.m.

PROJECT MANUAL

FOR

CITY OF COBURG, OR

CITY OF COBURG SECONDARY WELLFIELD



Digitally signed by Julie
Lynn Leland
Date: 2023.04.13
18:21:43-07'00'

EXPIRES: 12/31/24

RETURN BY:

2:00 PM, May 2nd, 2023

TO

CITY ENGINEER – BRANCH ENGINEERING, INC.
310 5th STREET
SPRINGFIELD, OREGON 97477

CITY OF COBURG, OREGON

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SECTION 010

CITY OF COBURG INVITATION FOR BIDS

NOTICE IS HEREBY GIVEN THAT Sealed bids for Secondary Wellfield, City of Coburg, Oregon, shall be addressed to the City Engineer, Julie Leland, PE, 310 5th Street, Springfield, Oregon 97477 and will be received at Branch Engineering, Inc., 310 5th Street, Springfield, Oregon 97477. Acceptance of bids will be officially closed at **2:00 pm Pacific Time, Tuesday May 2nd 2023**, and immediately thereafter the bids will be publicly opened and read at Branch Engineering. The bid proposal shall be submitted under sealed cover and marked with the Contractor's name and project name.

The project involves the drilling and installation of a 12" municipal water well that meets Oregon Health Authority's Drinking Water Services and Water Resources Department regulations as well as the Oregon Administrative Rules set forth for municipal water wells. The drilling and casing of the well to bedrock will extend to 130' below ground surface, or to a depth the City Engineer requests. Geological strata samples will be taken with each major change in texture. Well screening will be installed in areas where the strata depths are considered water bearing for high flow production. Surface sealing will be installed to a minimum of 55' below ground surface. Stress testing of the aquifer(s) will be performed with a pump capable of 500 gpm for a minimum of 24 hours. The engineer's estimate is \$400,000-\$450,000.

All proposals must be submitted on the regular forms furnished. The award will be made to the lowest qualified bidder who will be asked to furnish a 100% Corporate Surety Performance Bond for the faithful performance of the contract. The Project Manual including; Plans, Specifications, Agreement, and Bid Forms are available at the City of Coburg's website <http://www.coburgoregon.org> where they can be viewed and printed. Contractors may obtain a paper copy of the Project Manual, including full size Plans, with two business days' notice starting after **April 18th, 2023**, at cost at Branch Engineering, Inc., 310 Fifth Street, Springfield, Oregon, 97477 at cost. Any Addenda will also be posted on the city's website <http://www.coburgoregon.org>. All prospective bidders must be added to the Plan Holders List by sending an e-mail with company contact information to emilyp@branchengineering.com with the project title in the subject line. **Prospective bidders must be on the Plan Holders List for their bid to be considered. Bidders are responsible for checking the website for addenda and changes prior to submitting bid, however notification of Addenda issuance will be issued via e-mail to the addresses listed on the Plan Holders List.** Bid results will be posted on the city's website when available.

Questions, clarifications, proposals for specification changes, or requests to approve an alternate product shall be received in writing a minimum of ten days prior to bid receipt date. Send questions or requests via email to Julie Leland, P.E., at juliel@branchengineering.com.

Qualifications: Bidders must be an established business (minimum three years) doing like projects. No bid for a construction contract shall be received or considered by the City of Coburg unless the bidder is Licensed with the Construction Contractors Board and/or by the State Landscape Contractors Board as required by ORS 671.530 and has a current Public Works Bond of \$30,000.00 prior to starting Work on the Project.

This Project is for public improvement and therefore subject to ORS 279C.800 thru 279C.870 Oregon State prevailing wage requirements. No bid will be received or considered by the City of Coburg unless the bid is signed on the City of Coburg format that includes/contains a statement by the bidder that the provisions of ORS 279C.840 are to be complied with.

If this project is over \$100,000, a subcontractor listing is required and can be submitted with the bid. If the subcontractor listing is not submitted with the bid, it must be received within two (2) hours after the bid closing time and date at the City of Coburg, City Hall, 91136 N. Willamette Street, Coburg, OR 97408 to the attention of City Recorder, facsimile is acceptable at 541-682-7850. Failure to supply a correct subcontractor listing may result in bid rejection.

Questions, clarifications, proposals for specification changes or requests to approve an alternate product shall be received in writing a minimum of ten (10) days prior to the bid receipt date. Protests of bid results must be in writing from a bidder in legal standing, and must be made within five (5) days of the posted award date in accordance with OAR Title 137, Division 49.

The City may reject any bid not in compliance with all prescribed public bidding procedures and requirements, and may, for good cause, reject all bids upon a finding by the City of Coburg if it is in the public interest to do so in accordance to ORS 279C.395.

Published
Date: April 14th, 2023
By Anne Heath, City Administrator

END OF SECTION

**SECTION 020
SECONDARY WELLFIELD
SCOPE OF WORK**

Requirements of Project:

The project involves the drilling and installation of a 12" municipal water well that meets Oregon Health Authority's Drinking Water Services and Water Resources Department regulations as well as the Oregon Administrative Rules set forth for municipal water wells. The drilling and casing of the well to bedrock will extend to 130' below ground surface, or to a depth the City Engineer requests. Geological strata samples will be taken with each major change in texture. Well screening will be installed in areas where the strata depths are considered water bearing for high flow production. Surface sealing will be installed to a minimum of 55' below ground surface. Stress testing of the aquifer(s) will be performed with a pump capable of 500 gpm for a minimum of 24 hours. The engineer's estimate is \$400,000-\$450,000.

Location of Project:

The project is located at the west side of Tax Map 16-03-29-00 and Tax Lot 200 west of 91430 Stallings Lane in Coburg, Oregon.

Purpose of Project:

The purpose of the project is to add a secondary wellfield to draw municipal water for the City of Coburg.

Project Engineer:

All questions should be directed to:

Julie Leland, P.E., Branch Engineering 541-746-0637
juliel@branchengineering.com

City Schedule:

Bids Closed / Opened & Read:	2:00 PM, MAY 2, 2023
310 5TH STREET, SPRINGFIELD, OR 97477	
Projected Award Date:	MAY 10, 2023
Projected Start Date:	MAY 22, 2023
Substantial Completion Date:	SEPTEMBER 15, 2023
Final Completion Date:	OCTOBER 13, 2023

SECTION 100

INSTRUCTIONS TO BIDDERS

DOCUMENT HOLDER INFORMATION

Section 100
INSTRUCTIONS TO BIDDERS

1. BID FORMS

These Contract Documents include a complete set of bidding and contract forms that are to be filled out and executed.

2. EXPLANATION TO BIDDERS

Any explanation regarding the meaning or interpretation of contract drawings, specifications or other Contract Documents must be requested in writing, with sufficient allowance of time for receipt of reply before the time of bid opening. Any such explanations or interpretations shall be made in the form of addenda to the documents and shall be furnished to all bidders, who shall submit all addenda with their bids. Oral explanations and interpretations made prior to the bid opening shall not be binding.

3. BIDDERS' UNDERSTANDING

Bidders should visit the work site to ascertain by inspection, pertinent local conditions such as location, character and accessibility of the site, availability of facilities, location and character of existing work within or adjacent thereto, labor conditions, etc. The City of Coburg, hereinafter called City, shall make available to all prospective bidders, previous to the receipt of bids, information that they may have as to subsoil conditions and surface topography at the work site. Such information shall be given, however, as the best factual information available without the assumption of responsibility for its accuracy or for any conclusions that the Contractor might draw therefrom.

4. BID REQUIREMENTS – DOCUMENTS THAT MUST BE SUBMITTED WITH THE BID PROPOSAL; And First-Tier Subcontractor Disclosure Form Within Two Hours.

- Schedule of Bid Items – This must be completed and signed.
- Addenda Certifications – Signed by Contractor with number and date of addenda noted.
- Contract Certification – Signed by Contractor.
- ORS Statutory (ORS) Certifications – Signed by Contractor including CCB Number.
- Project Reference Form – Filled out and signed by Contractor
- Within two (2) hours of the bid closing time and date, the First-Tier Subcontractor Disclosure Form must be submitted if required – See bid package documents.

5. PREPARATION OF BIDS

- Bids shall be submitted as required in the Invitation for Bids. Where more than one schedule is given in the Schedule of Bid Items, the bidder may bid on any combination of schedules. If a bidder does not wish to bid on a schedule, bidder shall check “No Bid” in the space provided on that schedule.
- Bids shall be submitted on the forms provided or copies thereof, and must be signed by the bidder or bidders authorized representative. Any corrections to entries made on bid forms should be initialed by the person signing the bid.
- Bidders must quote on all items appearing on the bid forms, unless specific directions in the advertisement, on the bid form, or in the special specification allowing for partial bids. Failure to quote on all items may disqualify the bid. When quotations on all items are not required, bidders shall insert the words “No Bid” where appropriate.
- Alternative bids will not be considered unless specifically called for.
- Telephone Facsimile (FAX) bids will be accepted on the following conditions:
 - The time factor does not allow any other means.
 - The bid is sent to a third party (not the City), sealed and presented to the City.
 - The signature is notarized.
 - The original is mailed to the City as soon as possible.

6. SUBMISSION OF BIDS

Bids must be submitted as directed in the Invitation for Bids.

7. RECEIPT AND OPENING OF BIDS

Bids shall be submitted prior to the time fixed in the Invitation for Bids. Bids received after the time so indicated shall be returned unopened.

8. WITHDRAWAL OF BIDS

Bids may be withdrawn upon written or telegraphic request of the Bidder at any time prior to opening.

9. PRESENCE OF BIDDERS AT OPENING

At the time and place fixed for opening bids, the contents of all bids will be made public for the information of all bidders and other interested parties, who may be present in person or by representative.

10. BIDDERS INTERESTED IN MORE THAN ONE BID

If more than one bid is offered by one party, or by any person or persons representing a party, all such bids shall be rejected. A party who has quoted prices to a bidder is not thereby disqualified from quoting prices to other bidders, or from submitting a direct bid on their own behalf.

11. AWARD OF CONTRACT FOR CONSTRUCTION

- The low bidder(s) will be determined on the basis of the sum of the lowest prices for each appropriate Schedule or as specified in the Contract Document.
- The Contract for Construction shall be awarded to the lowest responsible Bidder(s) as soon as practicable after the bid opening, subject to the reservations of paragraph 12 herein. The City reserves the right to waive any informality in bids at City's discretion.
- The City reserves the right to wait until the protest period (5 days) has elapsed before entering into a written contract. In the event a protest is made, the City will not enter into a written contract until the protest is resolved.
- Notice of Award, announcement of apparent low bidder is not a binding contract. Only a signed written contract will be binding to the City.
- Notwithstanding OAR 137-049-0450, an award protest must be filed with the City within five (5) days of the notice of intent to award.

12. REJECTION OF BIDS

The City reserves the right to reject any and all bids.

13. CONTRACT, BONDS, AND INSURANCE

- The Bidder to whom award is made shall enter into a written Contract for Construction with the City within the time specified in the Contractor's Proposal.
- Performance Bond shall be furnished at the time of signing the Contract for Construction.
- Payment Bond shall be furnished at the time of signing the Contract for Construction.
- The insurance required by this Contract shall be written for not less than any limits of liability specified in the Contract Documents or required by law, whichever is greater.

14. WAGES AND SALARIES: Attention of bidders is particularly called to the requirements concerning the payment of not less than the prevailing wage and salary rates specified in the Contract Documents and the conditions of employment with respect to certain categories and classifications of employees.

15. SUBCONTRACTORS

Bidders are required to disclose information about certain first-tier subcontractors in accordance with ORS 279C.370 – See also Contract bid documents which includes form required.

- 16. CHANGES TO PLANS, SPECIFICATIONS, OR QUANTITIES BEFORE OPENING BIDS**
The City of Coburg reserves the right to issue Addenda making changes or corrections to the Plans, Specifications, or quantities before the opening of the bids.

SECTION 110
DOCUMENT HOLDER INFORMATION

Pricing

Pricing will be firm and irrevocable for Sixty (60) days after the bid opening.

Unit Billing

Unit prices for materials/equipment are considered furnished and installed prices. Billing reflecting material only will not be accepted. Invoices/billings will be processed only for those units (or percentages of) that are installed.

Federal Mandate (DOT)

As of January 1, 1996, all Contractors whose employees are required to have a Commercial Driver's License (CDL) must comply with Department of Transportation Controlled Substance and Alcohol Program and testing rules.

Oregon Public Contracting Statutes and Rules

Bids and the Contract are governed by the Oregon Public Contracting Code (ORS Titles 279A, 279B, and 279C as applicable) and Oregon Public Contracting Code Model Rules (OAR Title 137 as applicable). See the Contract Documents for specific requirements and obligations.

Copies of Plans & Specification

Any additional copies of the Contract Documents or Plans to the contractor will be at the Contractor's expense. Additional copies of Contract Documents or Plans may be obtained on request by paying the actual cost of reproducing the Contract Documents or Plans.

Brand Name Specification

Brand name specification: if a brand name is given, it is only intended to define a quality and type desired by the City and is not intended to eliminate any competition or like equipment. The City, however, reserves the right to approve the exceptions taken to the specifications.

Section 200
BID DOCUMENT PACKAGE

Section 210
REQUIRED BID DOCUMENTS

TO BE CONSIDERED RESPONSIVE, THE FOLLOWING MUST BE PRESENTED TO CITY OF COBURG AT THE SPECIFIED PLACE PRIOR TO THE BID TIME AND DATE – EXCEPT AS NOTED FOR THE FIRST-TIER SUBCONTRACTOR DISCLOSURE:

- **SCHEDULE OF BID ITEMS** – MUST BE COMPLETE – MUST BE SIGNED AND DATED
- **BID BOND** – A SIGNED, SEALED AND DATED BID BOND IN THE AMOUNT OF NO LESS THAN 5% OF THE TOTAL BID PRICE
- **THE ADDENDA CERTIFICATION FORM** – MUST BE SIGNED, DATED AND ALL ADDENDA NOTED.
- **THE CONTRACT CERTIFICATION FORM** – MUST BE SIGNED AND DATED
- **THE OREGON STATUTORY (ORS) CERTIFICATION FORM** – MUST BE SIGNED, DATED AND THE CONTRACTOR CCB REGISTER NUMBER SHOWN
- **THE FIRST-TIER SUBCONTRACTOR DISCLOSURE FORM** THIS MAY BE FURNISHED WITH THE BID IN THE SAME ENVELOPE, IN A SEPARATE ENVELOPE OR MAY BE FAXED HOWEVER PRESENTED, THE CITY MUST HAVE THE SUBCONTRACTOR LISTING WITHIN TWO (2) HOURS OF THE SPECIFIED BID CLOSING TIME.
- **PROJECT REFERENCES FORM** – MUST HAVE AT LEAST THREE REFERENCES OF SIMILAR TYPE AND SIZE PROJECTS SUCCESSFULLY COMPLETED – MUST BE SIGNED AND DATED

Section 220

SCHEDULE OF BID ITEMS - City of Coburg: Secondary Wellfield

ITEM No.	ITEM DESCRIPTION	QTY	UNIT	ENGINEER'S UNIT PRICE ESTIAMTE	ENGINEER'S EXTENDED UNIT PRICE ESTAIMTE
1	Mobilization/Demobilization	1	Lump Sum		
2	Erosion Control, Erosion and Sediment Control Plan, and Drill Tailing Removal and Disposal	1	Lump Sum		
3	Water Management and Turbidity Reduction	1	Lump Sum		
4	Spill Prevention, Control, and Countermeasures	1	Lump Sum		
5	Drill 16" Diameter Minimum Borehole	130	Lineal Feet		
6	Plumbness Testing	1	Lump Sum		
7	Alignment Testing	1	Lump Sum		
8	12" Stainless Steel Type 304L "V" wire continuous slot well screen	60	Lineal Feet		
9	Install Filter Pack for Production Well per Hydrogeologist Design and City Engineer's Approval	60	Lineal Feet		
10	Well Development of Screened Production Zone by Surging/Bailing	36	Hours		
11	Install Final Sand/Bentonite/Cement Seal of Production Well	55	Lineal Feet		
12	Perform 24 hr Yield and Drawdown Test of Production Well	1	Lump Sum		
13	Video Surveying	1	Lump Sum		

14	Well Disinfection	1	Lump Sum		
15	Well Surface Completion	1	Lump Sum		
16	Site Cleanup	1	Lump Sum		
17	Standby Time	0	Hours		
18	Aquifer Testing: Step-Rate Testing	8	Hours		
19	Sound Abatement	1	Lump Sum		
20	Remove and Replace Fence	1	Lump Sum		
BASE BID TOTAL					

Total Amount of Base Bid \$ _____

Total Base Bid price written out in words

ALTERNATE #1

1	Install 12" Diameter Blank Stainless-Steel ASTM A312 Type 304L (Minimum Wall Thickness 0.375") Surface Casing	73	Lineal Feet		
ALTERNATE 1 BID TOTAL					

Total Amount of Alternate #1 Bid \$ _____

Total Alternate #1 Bid price written out in words

ALTERNATE #2

1	Install 12" Diameter Blank Standard Carbon Steel ASTM A53 Grade B (Minimum Wall Thickness 0.375") Surface Casing	73	Lineal Feet		
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ALTERNATE 2 BID TOTAL	
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Total Amount of Alternate #2 Bid \$ _____

Total Alternate #2 Bid price written out in words

Total Amount of Base Bid Plus Alternate #1 Bid \$ _____

Total Base Bid Plus Alternate #1 Bid price written out in words

Total Amount of Base Bid Plus Alternate #2 Bid \$ _____

Total Base Bid Plus Alternate #2 Bid price written out in words

***Note: All Unit Price Bids should be considered as "Furnished and Installed".
Billing is to be as complete units and partial bills will not be paid.***

To Be Considered Responsive, the following must be signed and completed by your firm:

We hereby certify to do the work as specified and at the price as quoted in conformance to all the City, State and Federal Regulations that are applicable and will indemnify the 'City of Coburg' against all claims arising out of any actions caused by our company during the performance of this contract.

We hereby certify that we will comply with the provisions of ORS279C.840 (BOLI Wage Requirements).

Company _____

Address _____

By _____
(Signature of Authorized Official)

Date _____

By _____
(Type or Print Name)

Phone _____

Federal I.D. # _____

Fax _____

Surety Company (Performance Bond) _____

Contact at Surety _____ Phone _____

CCB# _____ No. Years Registered w/CCB _____

Are there any outstanding claims against your firm: Yes_____ No_____

Protest of Contractor Selection/Contract Award must be made by Written Notice within Five (5) Days of the Posted Award Date in accordance with OAR 137-049-0450

All the prospective bidders will have specific line items to bid on and the award will be made on the lowest qualified bid on the total bid items. The City will reserve the right to add or delete items as the project goes forward.

- 1. Liquidated Damages: See General Conditions 110.9.00.**
- 2. Please invoice referencing the above exact line-item numbers and line items. All quantities must be approved by the Project Engineer before invoicing.**

SECTION 230
REQUIREMENTS FOR BID BOND – PLEASE USE YOUR OWN SURETY’S FORMAT

BID BOND FORMAT

Herewith find a deposit in the form of a certified check, cashier’s check, cash, or bid bond in the amount of \$ _____ , an amount which is not less than five percent of the total bid.

KNOW ALL MEN BY THESE PRESENTS:

That we, _____, as Principal, and _____, as Surety, are held and firmly bound unto the City of Coburg, Oregon, as obligee, hereinafter called City, in the penal sum of _____ Dollars, for the payment of which the Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, by these presents.

The condition of this obligation is such that if City shall make any award to the Principal for _____ according to the terms of the proposal or bid made by the Principal therefore, and the Principal shall duly make and enter into a contract with City in accordance with the terms of said proposal or bid and award and shall give bond for the faithful performance thereof, with Surety or Sureties approved by City; or if the Principal shall, in case of failure so to do, pay and forfeit to City the penal amount of the deposit specified in all the bids, then this obligation shall be null and void; otherwise it shall be and remain in full force and effect and the Surety shall forthwith pay and forfeit to City, as penalty and liquidated damages, the amount of this bond.

SIGNED, SEALED AND DATED THIS _____ DAY OF _____, 20_____.

Principal _____

Surety _____

Received return deposit in the sum of \$ _____
_____ 20____.

SECTION 240 - ADDENDA CERTIFICATIONS/ MISTAKES IN BIDS
THE SECTIONS FROM THE OREGON ATTORNEY GENERAL MODEL PUBLIC CONTRACT RULES
ARE HEREIN MADE PART OF THE CONTRACT DOCUMENTS

ADDENDA: We hereby certify that we did receive the following Addenda to these specifications:

_____ dated: _____

_____ dated: _____

_____ dated: _____

CONTRACTOR

DATE

MISTAKES IN BIDS

General.

Clarification or withdrawal of a bid because of an inadvertent, nonjudgmental mistake in the bid requires careful consideration to protect the integrity of the competitive bidding system, and to assure fairness. Except as provided in this rule, if the mistake is attributable to an error in judgment, the bid may not be corrected. Bid correction or withdrawal by reason of a nonjudgmental mistake is permissible but only to the extent it is not contrary to the interest of the public agency or the fair treatment of other bidders.

Mistakes Discovered After Bid Closing but Before Award.

This subsection prescribes procedures to be applied in situations where mistakes in bids are discovered after the time and date set for bid closing but before award.

• **Minor Informalities.**

Minor informalities are matters of form rather than substance that are evident from the bid documents, or are insignificant mistakes that can be waived or corrected promptly without prejudice to other bidders or the public agency; that is, the informality does not affect price, quantity, quality, delivery, or contractual conditions except in the case of informalities involving unit price. Examples include, but are not limited, to the failure of a bidder to:

- Return the number of signed bids or the number of other documents required by the bid documents;
- Sign the bid form in the designated block so long as a signature appears in the bid documents evidencing an intent to be bound;
- Acknowledge receipt of an addendum to the bid documents, but only if:
 - It is clear from the bid that the bidder received the addendum and intended to be bound by its terms; or
 - THE ADDENDUM INVOLVED DID NOT AFFECT PRICE, QUANTITY, QUALITY, OR DELIVERY.

• **Mistakes Where Intended Correct Bid is Evident.**

If the mistake and the intended correct bid are clearly evident on the face of the bid form, or can be substantiated from accompanying documents, the public agency may accept the bid. Examples of mistakes that may be clearly evident on the face of the bid form are typographical errors, errors in extending unit prices, transposition errors, and arithmetical errors. Mistakes that are clearly evident on the face of the bid form may also include instances in which the intended correct bid is made clearly evident by simple arithmetic calculations. For example, missing unit price may be established by dividing the total bid item by the quantity of units for that item, and a missing or incorrect total bid for an item may be established by multiplying the unit price by the quantity when those figures are available on the bid. For discrepancies between unit prices and extended prices, unit prices shall prevail.

• **Mistakes Where Intended Correct Bid is Not Evident.**

The public agency may not accept a bid in which a mistake is clearly evident on the face of the bid form but the intended correct bid is not clearly evident or cannot be substantiated from accompanying documents.

OMISSIONS AND AMBIGUITIES ON THE BID SUBMISSION WILL BE CONSIDERED GROUNDS FOR REJECTION.

SECTION 250
CONTRACT CERTIFICATIONS
(Must be signed and included with Bid Proposal)

We hereby certify that we have carefully examined the Contract Documents for the activity required by the specifications and will, if a trade contract, furnish all machines, tools, apparatus, and other means of construction and do the work and furnish all the materials necessary to complete the work in the manner, in the time, and according to the methods as specified in the Contract Documents.

We hereby certify that if our Proposal is accepted, we will within seven (7) calendar days after Contract award, sign the Contract and will, at that time, deliver to the City of Coburg the Performance and Payment Bond (if required).

NON-COLLUSION AFFIDAVIT

We hereby certify that the bid submitted is genuine and not a sham or collusive bid, or made in the interest or on behalf of any person not therein named; and we further certify that we have not directly or indirectly induced or solicited any bidder or suppliers to put in a sham bid, or any other person or corporation to refrain from bidding; and that we have not in any manner sought by collusion to secure an advantage over any other bidder or bidders.

We hereby agree to furnish the City of Coburg, before commencing the work under this Contract, the certificates of insurance, if specified, in these documents.

We hereby certify that we will represent and warrant all work done by our subcontractors and that the work will be done in a good workmanlike manner under our direct supervision. We will notify the City of Coburg, prior to any subcontract work being done, the name of the subcontractor or subcontractors to be used and the percentage of work that each subcontractor will perform.

CONTRACTOR _____
(Authorized Official)

DATE _____

SECTION 260
OREGON STATUTORY (ORS) CERTIFICATIONS
(MUST BE SIGNED AND INCLUDED WITH BID PROPOSAL)

•**WE HEREBY CERTIFY** to comply with Title VI of the Civil Rights Act of 1964, with Section V of the Rehabilitation Act of 1973, and with all applicable requirements of federal and state civil rights and rehabilitation statutes, rules and regulations. **WE CERTIFY** also that we shall comply with the Americans with Disabilities Act of 1990 (Pub L No. 101-336), ORS 659.425, and all regulations and administrative rules established pursuant to those laws. **WE CERTIFY** also to nondiscrimination against any minority, women or emerging small business enterprises in obtaining any required subcontracts.

•**WE HEREBY CERTIFY** that we will and that our subcontractors will, acknowledging that our employers will be subject employers under the Oregon Workers' Compensation Law, comply with ORS 656.017, which requires contractors to provide all workers with compensation coverage.

•**WE HEREBY CERTIFY** that we accept all the terms and conditions contained herein and in the event of a forthcoming contract containing these same terms and conditions we would agree without exception. Any exception to these terms and conditions will be made a minimum of five (5) days before the proposal deadline.

•Whereas, State and Federal law **prohibits discrimination** in employment on the basis of race, color, religion, sex, disability, familial status, or national origin, and whereas the City of Coburg supports and has set-forth a policy of equal employment opportunities for all, the following certification is required: **WE HEREBY CERTIFY**, in the performance of any contract issued from any proposal related to these documents, we will in all respects adhere to the City of Coburg policy of non-discrimination.

Contractor _____
(Authorized Official)

Date _____

EXCEPTIONS to the above Certifications. The Contractor will cross out those items they cannot certify to and then list the reasons for the exception:

SECTION 270

PRIME CONTRACTOR NAME _____

**FIRST-TIER SUBCONTRACTOR DISCLOSURE FORM – PROJECTS OVER \$100,000.00
(ORS 279C.370)**

Bidders are required to disclose information about certain first-tier subcontractors when the contract value for a Public Improvement is greater than \$100,000 (see ORS 279C.370). Specifically, when the contract amount of a first-tier subcontractor (**furnishing labor**) is greater than or equal to: (i) 5% of the project bid, but at least \$15,000, or (ii) \$350,000 regardless of the percentage, you must separately disclose the following information about that Subcontractor Listing within two (2) hours of bid closing:

- (1) The subcontractor’s name and address,
- (2) The subcontractor’s Construction Contractor Board registration number, if one is required,
- (3) Dollar amount of work.

If you will not be using any subcontractors that are subject to the above disclosure requirements, you are required to indicate “NONE” on the accompanying form.

THE AGENCY MUST REJECT A BID IF THE BIDDER FAILS TO SUBMIT THE DISCLOSURE FORM WITH THIS INFORMATION BY THE STATED DEADLINE. THE BIDDER MAY SUBMIT THE DISCLOSURE FORM WITHIN THE BID PACKAGE, BY SEPARATE ENVELOPE OR BY FACSIMILE.

CITY OF COBURG SECONDARY WELLFIELD

Bid Closing Date: _____ Time (PM): ____

Contractor Name & Address	Work Type	CCB Number	Amount

If you will not be using any subcontractors that are subject to the above disclosure requirements, you are required to indicate “None” on the above contractor listing.

THE CITY OF COBURG MUST REJECT A BID IF THE BIDDER FAILS TO SUBMIT THIS DISCLOSURE FORM WITHIN TWO (2) HOURS OF THE BID CLOSING.

**SECTION 280
PROJECT REFERENCES**

To help the City determine whether Bidder is a responsible bidder pursuant to ORS 279C.375, answer the following questions. An incomplete form or insufficient information on the form may lead to a determination that the Bidder is not responsible for award of this contract.

1. List at least three completed projects of a similar nature. For each project, list the general scope of your work on the project and the nature of the project. Also, for each project, list the location of the project, the owner and the owner's contact information. For each project state whether the project was completed within time and within budget, and if not, explain why not.
2. Provide a list of at least three references that can speak to the Bidder's level of integrity. References from government agencies are preferred.
3. List projects in the table below and attach additional sheets with supplemental information as necessary.

NAME OF PROJECT/ LOCATION	CONTRACT AMOUNT	NAME OF OWNERS CONTACT	PHONE NUMBER OF CONTACT	NOTES
	\$			
	\$			
	\$			
	\$			

CONTRACTOR _____

DATE _____

Section 300
SAMPLE CONTRACT

TERMS & CONDITIONS APPLICABLE TO THIS PROJECT

**INDEPENDENT CONTRACT SERVICES AGREEMENT
CITY OF COBURG**

PROJECT: Secondary Wellfield Project

Date: _____

Parties:

City of Coburg ("CITY")
PO Box 8316
91136 N Willamette St.
Coburg, Oregon 97408

Additional Independent Contractor Information:

- a. Type of Entity: Sole Proprietorship Partners Limited Liability Comp Corporation
- b. Address: _____
- c. Telephone: _____
- d. Fax No. _____
- e. Email: _____
- f. SSN or Federal ID: _____
- g. Professional License(s) No: _____
- h. Foreign Contractor Yes No
(Foreign means not domiciled in or registered to do business in Oregon)
- i. SAM Registration Active Yes No
- j. DUNS Number _____
- k. Contractor Representative Name and Title _____

IN CONSIDERATION OF THE MUTUAL CONVENANTS CONTAINED HEREIN, THE PARTIES AGREE TO THE FOLLOWING TERMS, PROVISIONS AND CONDITIONS:

RECITALS

1. The Contractor was selected via a formal procurement process to provide services to the City of Coburg for the Federal Safe Drinking Water Project.
2. Contractor has the training, ability, knowledge and experience to provide the services desired by the City.

TERMS OF AGREEMENT

1. **Effective Date.** This Agreement is effective when signed by both parties. This agreement will expire on _____, unless earlier terminated in accordance with the provisions of this Agreement or by mutual consent of the parties. Termination or expiration shall not extinguish or prejudice the City's right to enforce this Agreement with respect to any default or defect in performance that has not been cured.
2. **Services.** Contractor shall complete services previously agreed to and as listed in **Exhibit A, Scope of Work**, and as listed in the _____ proposal dated _____.
3. **Water Project Specific Requirements.** Contractor shall accept the terms and requirements specific to Federal Safe Drinking Water Project requirements as specified in **Exhibit B**.
4. **Good Faith Efforts.** Any public water system receiving an award from the Safe Drinking Water Revolving Loan Fund and the Drinking Water Source Protection Fund must ensure good-faith implementation of the six good-faith efforts comprising the federal "Fair Share Program," for the solicitation of all contractors providing construction, equipment, supplies, engineering or other services that constitute the project financed by the award. **See Exhibit C.**
5. **Consideration.** City shall pay Contractor for the services based on time and materials as set forth in **Exhibit A**. The total payment for all services to complete the work under this Agreement, which includes allowable expenses or reimbursement and work performed to date, shall not exceed _____.
 - a. Invoices will be directed to Branch Engineering, Attention Julie Leland,

310 5th Street, Springfield, Oregon 97477. Invoices may also be emailed to Julie Leland at juliel@branchengineering.com If an invoice is delivered on a non-business day, the invoice shall be considered received on the next day the City's Finance Department is open for business. Invoices will be reviewed and then forwarded to the City for payment.

- 6. Standard of Care.** Contractor will provide services with the degree of skill and diligence normally employed by professional performing the same or similar services at the time the services are performed. Contractor shall, at all times during the term of this Agreement be duly licensed to perform the Work, and if there is no licensing requirement for the profession or Work. Be duly qualified expert.
- 7. Independent Contractor Status.** By its execution of this Agreement, Independent Contractor certifies its status as an "Independent Contractor" as that term is used under the laws of the State of Oregon, and that all performance of any labor or services required to be performed by Independent Contractor under the terms of this Agreement shall be performed in accordance with the standards set forth in ORS 670.600(1997), and incorporated herein by this reference.
- 8. Conformance with Oregon Public Contracts Law** Independent Contractor shall comply with all applicable provisions of Oregon law for public contracts. This Agreement incorporates the provisions required to be in an agreement of this type by ORS 279B.200 through 279B.235 (**EXHIBIT D**).
- 9. Tax Duties and Liabilities.** Independent Contractor shall be responsible for all federal, state and local taxes, if any, applicable to any payments received pursuant to this Agreement, including, but not limited to income tax, payroll tax, social security and self-employment tax. CITY shall not withhold, pay or in any other manner be responsible for payment of any taxes on behalf of Independent Contractor.
- 10. Reimbursement of Expenses.** Independent Contractor shall not be entitled to reimbursement by CITY for any expenses incurred by Independent Contractor unless otherwise agreed in writing.
- 11. Materials and Supplies.** Independent Contractor shall supply all materials and supplies needed to perform the services required unless otherwise agreed in writing.
- 12. No Authority to Bind CITY.** Independent Contractor shall have no authority to enter into contracts on behalf of CITY, its officers, agents and employees. This

Agreement shall not create a partnership or joint venture of any sort between the parties.

- 13. Federal Employment Status.** In the event payment made pursuant to this Agreement is to be charged against federal funds, Independent Contractor hereby certifies that it is not currently employed by the Federal Government and the amount charged does not exceed Independent Contractor's normal charge for the type of services provided.
- 14. Hold Harmless.** Independent Contractor shall defend and hold harmless CITY, its agents, servants and employees from and against all claims, demands and judgment (including attorney fees), made or recovered against them including, but not limited to damages to real or tangible personal property or for bodily injury or death to any person, arising out of, or in any manner connected with this Agreement, to the extent that any such damage, injury or death is caused by, or sustained in connection with the performance of, Independent Contractor, its employees, servants or agents. CITY shall promptly notify Independent Contractor in a reasonable manner to facilitate the defense of any such claim.
- 15. Termination by City,** in whole or in part, whenever for any reason CITY shall determine that such termination is in the best interest of CITY. Thirty days' notice of termination shall be effected by delivery to the Independent Contractor of a Notice of Termination specifying the extent to which performance of the work under the Agreement is terminated and the date on which such termination is effective. Upon delivery to the Independent Contractor of a Notice of Termination under this paragraph, the Independent Contractor and CITY shall, by agreement, make an appropriate written modification to this Agreement governing completion of portions of the Independent Contractor's work and payment therefore by CITY. **A completed Federal Form W-9 shall accompany this signed document when returned by the Independent Contractor.**
- 16. Independent Contractor Termination:** The Independent Contractor shall give the CITY a ninety-day notice of termination, which will be effected by deliverance of a Notice of Termination to the City. Such notice shall include the date on which the termination is effective. The Independent Contractor and CITY shall, by agreement, make an appropriate written modification to this Agreement governing completion of portions of the Independent Contractor's work and payment therefore by the City to the Independent Contractor.

- 17. Rights in Data.** All original written material, including programs, card decks, tapes, listings, and other documentation originated and prepared for CITY pursuant to this Agreement, shall become exclusively the property of CITY. The ideas, concepts, knowhow, or techniques developed during the course of this Agreement by Independent Contractor personnel can be used by either party in anyway it may deem appropriate. Material already in Independent Contractor's possession, independently developed by Independent Contractor outside the scope of this Agreement, or rightfully obtained by Independent Contractor from third parties, shall belong to Independent Contractor. This Agreement shall not preclude Independent Contractor from developing materials which are competitive, irrespective of their similarity to materials which might be delivered to CITY pursuant to this Agreement. Independent Contractor shall not, however, use any written materials developed under this Agreement in developing materials for others, except as provided in this section.
- 18. Confidentiality.** During the course of performance hereunder, Independent Contractor or its agent, employees, or contractors, may receive confidential information. Independent Contractor agrees to use its best efforts to maintain the confidentiality of such information and to inform each agent and employee performing services of the confidentiality obligation that pertains to such information.
- 19. Assignment/Subcontract.** Independent Contractor shall not assign, sell, transfer, subcontractor sublet rights, or delegate responsibilities under this Agreement, in whole or in part, without the prior written approval of CITY. No such written approval shall relieve Independent Contractor of any obligations of this Agreement, and any transferee or subcontractor shall be considered the agent of Independent Contractor. Independent Contractor shall remain liable as between the original parties to this Agreement as if no such assignment had occurred.
- 20. Successors in Interest.** The provisions of this Agreement shall be binding upon and shall inure to the benefit of the parties to this Agreement and their respective successors and assigns.
- 21. Compliance with all Government Regulations.** Independent Contractor shall comply with all federal, state and local laws, codes, regulations and ordinances applicable to the work performed under this Agreement. Failure to comply with such requirements shall constitute a breach of contract and shall be grounds for termination of this Agreement. Damages or costs resulting from noncompliance shall be the sole responsibility of Independent Contractor.

- 22. Attorney Fees.** In the event a lawsuit of any kind is instituted on behalf of CITY to enforce any provision of this Agreement, Independent Contractor shall pay such additional sums as the Court may adjudge reasonable for attorney fees plus all costs and disbursements at trial and on any appeal.
- 23. Force Majeure.** Neither party to this Agreement shall be held responsible for delay or default caused by fire, riot, acts of God and/or war which is beyond that party's reasonable control. CITY may terminate this Agreement upon written notice after determining such delay or default will unreasonably prevent successful performance of the Agreement.
- 24. Assistance regarding Patent and Copyright Infringement.** In the event of any claim or suit against CITY on account of any alleged patent or copyright infringement arising out of the performance of this Agreement or out of the use of any material furnished or work or services performed hereunder, Independent Contractor shall defend CITY against any such suit or claim and hold CITY harmless from any and all expenses, court costs, and attorney's fees in connection with such claim or suit.
- 25. Severability.** If any provision of this Agreement is declared by a court to be illegal or in conflict with any law, the validity of the remaining terms and provisions shall not be affected; and the rights and obligations of the parties shall be construed and enforced as if the Agreement did not contain the particular provision held to be invalid.
- 26. Access to Records.** CITY and its duly authorized representatives shall have access to books, documents, papers and records of Independent Contractor which are directly pertinent to this Agreement for the purpose of making audit, examination, excerpts and transcripts.
- 27. Waiver.** Failure of CITY to enforce any provision of this Agreement shall not constitute a waiver or relinquishment by CITY of the right to such performance in the future nor of the right to enforce any other provision of this Agreement.
- 28. Amendments.** The terms of this Agreement shall not be waived, altered, modified, supplemented or amended in any manner whatsoever, without prior written approval of CITY. No modification of this Agreement shall bind either party unless reduced to writing and subscribed by both parties, or ordered by a Court.

- 29. Nondiscrimination.** Independent Contractor shall comply with all applicable requirements of federal and state civil rights and rehabilitation statutes, rules and regulations.
- 30. Dual Payment.** Independent Contractor shall not be compensated for work performed under this contract from any CITY agency other than the agency which is a party to this contract.
- 31. Remedies.** This Agreement shall be governed by and construed in accordance with the laws of the State of Oregon, and any litigation arising out of this Agreement shall be conducted in the courts of the State of Oregon, County of Washington.
- 32. Entire Agreement.** This Agreement signed by both parties is the parties' final and entire Agreement and supersedes all prior and contemporaneous oral or written communications between the parties, their agent and representatives. There are no representations, promises, terms, conditions or obligations other than those contained herein.

IN WITNESS WHEREOF the parties have executed this Agreement to be effective the date first set forth above.

CITY OF COBURG

Signature _____

Printed Name _____

Title: _____

Date: _____

Contract Service Provider

Name of Entity _____

Signature _____

Printed Name _____

Title: _____

Date: _____

EXHIBIT A

SCOPE OF SERVICES TO BE PERFORMED

EXHIBIT B

Construction Contract Requirements for Recipients of Safe Drinking Water financing

SAM Registration and DUNS number are required for all entities that enter into direct contracts with the recipients of Safe Drinking Water Revolving Loan funds

SAM Registration: http://www.sam.gov/portal/public/SAM/ NOTE: The SAM registration expires annually and must be kept active until the SDWRLF project is closed	DUNS Number http://www.dnb.com/get-a-duns-number.html
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Language to be included verbatim in construction contracts according to any accompanying instructions

Clauses required in all Contracts

- Termination for Cause and for Convenience & Breach of Contract** (language to be included in all construction contracts and subcontracts in excess of \$10,000:)
“Contractor shall address termination for cause and for convenience, including the manner by which it will be effected and the basis for settlement. In addition, contractor shall address administrative, contractual, or legal remedies in instances where contractors violate or breach contract terms, and provide for such sanctions and penalties as appropriate.”
- Equal Employment Opportunity** (language to be included in all construction contracts and subcontracts in excess of \$10,000:)
“Contractor shall comply with Executive Order 11246 of September 24, 1965, entitled “Equal Employment Opportunity,” as amended by Executive Order 11375 of October 13, 1967, and as supplemented in Department of Labor regulations (41 CFR chapter 60).”
- Procurement of Recovered Materials** (language to be included in all construction contracts and subcontracts in excess of \$10,000:)
“Contractor must comply with section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act, including procurement of recovered materials in a manner designated in guidelines of the Environmental Protection Agency (EPA) at 40 CFR part 247.”
- Whistleblower** (language to be included in all construction contracts and subcontracts)
“Contractor receiving SDWRLF funds shall under or through this contract to, post notice of the rights and remedies provided to whistleblowers under No Fear Act Pub. L. 107-174. 29 CFR § 1614.703 (d).”

- Source of Funds** (language to be included in all construction contracts and subcontracts)

“Work under this contract is funded by the federal Safe Drinking Water Revolving Loan Fund through Business Oregon and a partnership of Local and/or Private Funds. “

- Suspension and Debarment** (language to be included in all construction contracts and subcontracts)

“Contractor certifies that it is not debarred or suspended or is otherwise excluded from or ineligible for participation in federal assistance programs under Executive Order 12549, “Debarment and Suspension”, and shall not contract or permit any subcontract at any level with any party similarly excluded or ineligible. A list of excluded parties is available in the System for Award Management (SAM) at www.sam.gov, under “search records”.”

- Copeland “Anti-Kickback” Act** (language to be included in all construction contracts and subcontracts)

“Contractor shall comply with the Copeland “Anti-Kickback” Act (18 U.S.C. 847) as supplemented in Department of Labor regulations (29 CFR part 3).”

- Intellectual Property** (language to be included in all construction contracts and subcontracts:)

“Contractor hereby grants to the U.S. E.P.A. a royalty-free, nonexclusive, and irrevocable license to reproduce, publish or otherwise use, and to authorize others to use, for federal government purposes, any intellectual property developed under this contract. Contractor shall secure from third parties the same license in the name of the U.S. E.P.A. regarding any intellectual property developed by third parties as subcontractors under this contract, or developed under contract with the Contractor specifically to fulfill Contractor’s obligations related to this contract.”

- Inspections; Information** (language to be included in all construction contracts and subcontracts:)

“Contractor shall permit, and cause its subcontractors to allow *[insert name of water system Owner]*, the State of Oregon, the federal government and any party designated by them to:

- Examine, visit and inspect, at any and all reasonable times, the property, if any, constituting the Project.
- Inspect and make copies of any accounts, books and records, including, without limitation, its records regarding receipts, disbursement, contracts, and any other matters relating to the Project, and to its financial standing, and shall supply such reports and information as reasonably requested.
- Interview any officer or employee of the Contractor, or its subcontractors, regarding the Project.

Contractor shall retain all records related to the Project for three years after final payments are made and any pending matters are closed.

- Disadvantaged Business Enterprises** (language to be included in all construction contracts and subcontracts:)

Recipient will implement the good faith efforts for solicitation and contracting with Disadvantaged Business Enterprises (“DBE”) described in Section 4.1 of the Safe Drinking

Water Handbook. This applies to all solicitation and contracting for construction, equipment, supplies, engineering or other services that constitute the Project financed by this Contract. Recipient will maintain documentation in a Project file on Disadvantaged Business Enterprises. Recipient will maintain documentation in a Project file and submit required forms, as described in Section 4.1 of the Safe Drinking Water Handbook. Recipient will ensure that all prime contractors and subcontractors implement the good faith efforts for solicitation and contracting, and comply with all DBE procurement forms, statements, and reporting requirements. Recipient will ensure that each procurement contract (prime plus all subcontractor contracts) includes the following term and condition:

“The contractor shall not discriminate on the basis of race, color, national origin or sex in the performance of this contract. The contractor shall carry out applicable requirements of 40 CFR part 33 in the award and administration of contracts awarded under EPA financial assistance agreements. Failure by the contractor to carry out these requirements is a material breach of this contract which may result in the termination of this contract or other legally available remedies.”

Recipient will ensure that all prime contractors and subcontractors implement the good faith efforts for solicitation and contracting, and comply with all DBE procurement forms, statements, and reporting requirements.

(Include the following forms, found in the Business Oregon Preconstruction Packet:)

- *DBE Six Good Faith Efforts and Form*

American Iron Steel

(language to be included in all construction contracts and subcontracts:)

The Contractor acknowledges to and for the benefit of the *[insert name of water system Owner]* (“Purchaser”) and the State of Oregon (the “State”) that it understands the goods and services under this Agreement are being funded with monies made available by the Drinking Water State Revolving Fund that have statutory requirements commonly known as “American Iron and Steel;” that requires all of the iron and steel products used in the project to be produced in the United States (“American Iron and Steel Requirement”) including iron and steel products provided by the Contactor pursuant to this Agreement. The Contractor hereby represents and warrants to and for the benefit of the Purchaser and the State that (a) the Contractor has reviewed and understands the American Iron and Steel Requirement, (b) all of the iron and steel products used in the project will be and/or have been produced in the United States in a manner that complies with the American Iron and Steel Requirement, unless a waiver of the requirement is approved, and (c) the Contractor will provide any further verified information, certification or assurance of compliance with this paragraph, or information necessary to support a waiver of the American Iron and Steel Requirement, as may be requested by the Purchaser or the State. Notwithstanding any other provision of this Agreement, any failure to comply with this paragraph by the Contractor shall permit the Purchaser or State to recover as damages against the Contractor any loss, expense, or cost (including without limitation attorney’s fees) incurred by the Purchaser or State resulting from any such failure (including without limitation any impairment or loss of funding, whether in whole or in part, from the State or any damages owed to the State by the Purchaser). While the Contractor has no direct contractual privity with the State, as a lender to the Purchaser for the funding of its project, the Purchaser and the Contractor agree that the State is a third-party beneficiary and neither this paragraph (nor any other provision of this Agreement necessary to give this paragraph force or effect) shall be amended or waived without the prior written consent of the State.

Federal Labor Standards

(language to be included in all construction contracts and subcontracts.)

NOTE: Oregon Bureau of Labor and Industries (BOLI) prevailing wage requirements apply to public entities for projects over \$50,000 and private entities for projects that utilize more than \$750,000 of public funds.

Prevailing Wage Requirements.

“Construction projects assisted in whole or in part with the Safe Drinking Water Revolving Loan Fund Program (SDWRLF) must be carried out in compliance with Federal Davis Bacon and Related Acts and the Oregon Bureau of Labor and Industries (BOLI) requirements. Contractor shall pay each worker employed in the performance of this contract not less than the higher of the wage rate for the type of work being performed as set forth in either the Oregon Prevailing Wage “Prevailing Wage Rate for Public Works Contracts in Oregon” (if applicable) or the applicable federal Davis-Bacon Wage Decision. Contractor shall download a U.S. Department of Labor Employee Fair Compensation Notice and post it at the work site along with a list of locally prevailing wage rates. Contractor shall prepare and submit weekly Certified Payroll Reports on forms to be supplied by Business Oregon. Contractor shall permit access to construction site in order to conduct on-site interviews with workers during working hours.”

(1) Minimum wages.

(i) All laborers and mechanics employed or working upon the site of the work will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph (a)(1)(iv) of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in § 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided that the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph (a)(1)(ii) of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

Sub recipients may obtain wage determinations from the U.S. Department of Labor's web site, www.dol.gov.

(ii)(A) The sub recipient(s), on behalf of EPA, shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination.

The State award official shall approve a request for an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

(1) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(2) The classification is utilized in the area by the construction industry; and

(3) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(B) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the sub recipient(s) agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), documentation of the action taken and the request, including the local wage determination shall be sent by the sub recipient (s) to the State award official. The State award official will transmit the request, to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, DC 20210 and to the EPA DB Regional Coordinator concurrently. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification request within 30 days of receipt and so advise the State award official or will notify the State award official within the 30-day period that additional time is necessary.

(C) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the sub recipient(s) do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the award official shall refer the request and the local wage determination, including the views of all interested parties and the recommendation of the State award official, to the Administrator for determination. The request shall be sent to the EPA DB Regional Coordinator concurrently. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt of the request and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(D) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs (a)(1)(ii)(B) or (C) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

(iii) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

(iv) If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, Provided, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

(2) Withholding. The sub recipient(s), shall upon written request of the EPA Award Official or an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor under this contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the contract, the (Agency) may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

(3) Payrolls and basic records.

(i) Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

(ii)(A) The contractor shall submit weekly, for each week in which any contract work is performed, a copy of all payrolls to the sub recipient, that is, the entity that receives the sub-grant or loan from the State capitalization grant recipient. Such documentation shall be available on request of the State recipient or EPA. As to each payroll copy received, the sub recipient shall provide written confirmation in a form satisfactory to the State indicating whether or not the project is in compliance with the requirements of 29 CFR 5.5(a)(1) based on the most recent payroll copies for the specified week. The payrolls shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on the weekly payrolls. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at <http://www.dol.gov/whd/forms/wh347instr.htm> or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the sub recipient(s) for transmission to the State or EPA if requested by EPA, the State, the contractor, or the Wage and Hour Division

of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the sub recipient(s).

(B) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(1) That the payroll for the payroll period contains the information required to be provided under § 5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under § 5.5 (a)(3)(i) of Regulations, 29 CFR part 5, and that such information is correct and complete;

(2) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;

(3) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(C) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph (a)(3)(ii)(B) of this section.

(D) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.

(iii) The contractor or subcontractor shall make the records required under paragraph (a)(3)(i) of this section available for inspection, copying, or transcription by authorized representatives of the State, EPA or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the Federal agency or State may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

(4) Apprentices and trainees

(i) Apprentices. Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency

(where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(ii) Trainees. Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(iii) Equal employment opportunity. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended and 29 CFR part 30.

(5) Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract.

(6) Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses contained in 29 CFR 5.5(a)(1) through (10) and such other clauses as the EPA determines may be appropriate, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.

(7) Contract termination; debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

(8) Compliance with Davis-Bacon and Related Act requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract.

(9) Disputes concerning labor standards. Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and sub recipient(s), State, EPA, the U.S. Department of Labor, or the employees or their representatives.

(10) Certification of eligibility.

(i) By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(ii) No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(iii) The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

Additional Clauses for Contracts greater than 100,000

Construction contracts and subcontracts greater than 100,000 must include all clauses listed above in addition to the clauses listed below

Federal Labor Standards

4. Contract Provision for Contracts in Excess of \$100,000.

(a) Contract Work Hours and Safety Standards Act. The sub recipient shall insert the following clauses set forth in paragraphs (a)(1), (2), (3), and (4) of this section in full in any contract in an amount in excess of \$100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by Item 3, above or 29 CFR 4.6. As used in this paragraph, the terms laborers and mechanics include watchmen and guards.

(1) Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

(2) Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (a)(1) of this section the contractor and any subcontractor responsible therefore shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (a)(1) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (a)(1) of this section.

(3) Withholding for unpaid wages and liquidated damages. The sub recipient, upon written request of the EPA Award Official or an authorized representative of the Department of Labor, shall withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (b)(2) of this section.

(4) Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (a)(1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (a)(1) through (4) of this section.

(b) In addition to the clauses contained in Item 3, above, in any contract subject only to the Contract Work Hours and Safety Standards Act and not to any of the other statutes cited in 29 CFR 5.1, the Sub recipient shall insert a clause requiring that the contractor or subcontractor shall maintain payrolls and basic payroll records during the course of the work and shall preserve them for a period of three years from the completion of the contract for all laborers and mechanics, including guards and watchmen, working on the contract. Such records shall contain the name and address of each such employee, social security number, correct classifications, hourly rates of wages paid, daily and weekly number of hours worked, deductions made, and actual wages paid. Further, the Sub recipient shall insert in any such contract a clause providing that the records to be maintained under this paragraph shall be made available by the contractor or subcontractor for inspection, copying, or transcription by authorized representatives of the (write the name of agency) and the Department of Labor, and the contractor or subcontractor will permit such representatives to interview employees during working hours on the job.

5. Compliance Verification

(a) The sub recipient shall periodically interview a sufficient number of employees entitled to DB prevailing wages (covered employees) to verify that contractors or subcontractors are paying the appropriate wage rates. As provided in 29 CFR 5.6(a)(6), all interviews must be conducted in confidence. The sub recipient must use Standard Form 1445 (SF 1445) or equivalent documentation to memorialize the interviews. Copies of the SF 1445 are available from EPA on request.

(b) The sub recipient shall establish and follow an interview schedule based on its assessment of the risks of noncompliance with DB posed by contractors or subcontractors and the duration of the contract or subcontract. Sub recipients must conduct more frequent interviews if the initial interviews or other information indicated that there is a risk that the contractor or subcontractor is not complying with DB.

Sub recipients shall immediately conduct interviews in response to an alleged violation of the prevailing wage requirements. All interviews shall be conducted in confidence."

(c) The sub recipient shall periodically conduct spot checks of a representative sample of weekly payroll data to verify that contractors or subcontractors are paying the appropriate wage rates. The sub recipient shall establish and follow a spot check schedule based on its assessment of the risks of noncompliance with DB posed by contractors or subcontractors and the duration of the contract or subcontract. At a minimum, if practicable, the sub recipient should spot check payroll data within two weeks of each contractor or subcontractor's submission of its initial payroll data and two weeks prior to the completion date the contract or subcontract. Sub recipients must conduct more frequent spot checks if the initial spot check or other information indicates that there is a risk that the contractor or subcontractor is not complying with DB. In addition, during the examinations the sub recipient shall verify evidence of fringe benefit plans and payments there under by contractors and subcontractors who claim credit for fringe benefit contributions.

(d) The sub recipient shall periodically review contractors and subcontractor's use of apprentices and trainees to verify registration and certification with respect to apprenticeship and training programs approved by either the U.S Department of Labor or a state, as appropriate, and that contractors and subcontractors are not using disproportionate numbers of, laborers, trainees and apprentices. These reviews shall be conducted in accordance with the schedules for spot checks and interviews described in Item 5(b) and (c) above.

(e) Sub recipients must immediately report potential violations of the DB prevailing wage requirements to the EPA DB contact listed above and to the appropriate DOL Wage and Hour District Office listed at <http://www.dol.gov/whd/america2.htm>.

- Environmental and Natural Resource Laws** (include the following language in all construction contracts and subcontracts in excess of \$100,000:)

"Contractor shall comply with all applicable standards, orders, or requirements issued under section 306 of the Clean Air Act (42 U.S.C. 1857(h)), section 508 of the Clean Water Act (33 U.S.C. 1368), Executive Order 11738, and Environmental Protection Agency regulations (40 CFR part 15).

- Prohibition on the Use of Federal Funds for Lobbying** (Certification Regarding Lobbying form follows, for any contracts in excess of \$100,000)

Certification Regarding Lobbying

(Awards to Contractors and Subcontractors in Excess of \$100,000)

The undersigned certifies, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

Signed _____
Title _____
Date _____

EXHIBIT C

GOOD FAITH EFFORTS

Six Good-Faith Efforts

Any public water system receiving an award from the Safe Drinking Water Revolving Loan Fund and the Drinking Water Source Protection Fund must ensure good-faith implementation of the six good-faith efforts comprising the federal “Fair Share Program,” for the solicitation of all contractors providing construction, equipment, supplies, engineering or other services that constitute the project financed by the award.

Documentation demonstrating that these six good faith efforts have been taken must be included and maintained in the water system’s project files. Likewise, once a **contractor** has been selected by the water system, that contractor must adhere to the following six good-faith efforts in soliciting its subcontractors:

1. Ensure Disadvantaged Business Enterprises (DBEs) are made aware of contracting opportunities to the fullest extent practicable through outreach and recruitment activities. For Indian Tribal, state and local government recipients, this will include placing DBEs on solicitation lists and soliciting them whenever they are potential sources. (Note: The acronym DBE used throughout this document is a global term for Minority Business Enterprises (MBEs) and Women’s Business Enterprises (WBEs).
2. Make information on forthcoming opportunities available to DBEs and arrange time frames for contracts and establish delivery schedules, where the requirements permit, in a way that encourages and facilitates participation by DBEs in the competitive process. This includes, whenever possible, posting solicitations for bids or proposals for a minimum of 30 calendar days before the bid or proposal closing date.
3. Consider in the contracting process whether firms competing for large contracts could subcontract with DBEs. For Indian Tribal, state and local government recipients, this will include dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by DBEs in the competitive process.
4. Encourage contracting with a consortium of DBEs when a contract is too large for one of these firms to handle individually.
5. Utilize the services of the Small Business Administration (SBA) and the Minority Business Development Agency of the Department of Commerce.
6. If the prime contractor awards subcontracts, require the prime contractor to take these six good-faith efforts in subcontracting with Disadvantaged Business Enterprises for any subcontract that they let.

Locating Disadvantaged Business Enterprises for Outreach

Applicable MBE / WBEs are certified by the Office of Minority, Women and Emerging Small Business (OMWESB), Small Business Administration, or by a federal agency.

The following sites may be of assistance for locating Minority or Women-Owned Business (MBE / WBE) firms and others may exist too:

- Office of Minority, Women and Emerging Small Business (OMWESB) Directory of Certified Firms at <http://www.oregon4biz.com/How-We-Can-Help/OMWESB/>
- Federal System for Award Management at <https://www.sam.gov>
- Minority Business Development Agency, US Dept. of Commerce at www.commerce.gov/os/ogc/minority-business-development-agency
- EPA's Office of Small Business Programs at www.epa.gov/osbp/
- Oregon Office of Economic & Business Equity at <https://dasapp.oregon.gov/statephonebook/display.asp?agency=12100&division=12103>
- U.S. Department of Transportation at www.dot.gov/osdbu/disadvantaged-business-enterprise

Prevention of Unfair Practices

Finally, there are a number of provisions designed to prevent unfair practices that may adversely affect DBEs that are now required of the prime contractor for every SDWRLF funded project:

- A SDWRLF loan recipient must require its prime contractor to pay its subcontractor for satisfactory performance no more than 30 days from the prime contractor's receipt of payment.
- A SDWRLF loan recipient must be notified in writing by its prime contractor prior to any termination of a DBE subcontractor for convenience by the prime contractor.
- If a DBE subcontractor fails to complete work under the subcontract for any reason, the SDWRLF loan recipient must require the prime contractor to employ the Six Good-Faith Efforts if soliciting a replacement subcontractor.
- A SDWRLF loan recipient must require its prime contractor to employ the Six Good Faith Efforts even if the prime contractor has achieved its fair share objectives.

EXHIBIT D

RELEVANT PROVISIONS OF ORS CHAPTER 279B

279B.220 Conditions concerning payment, contributions, liens, withholding. Every public contract shall

contain a condition that the contractor shall:

1. Make payment promptly, as due, to all persons supplying to the contractor for labor or material for the performance of the work provided for in the contract.
2. Pay all contributions or amounts due the Industrial Accident Fund from the contractor or subcontractor incurred in the performance of the contract.
3. Not permit any lien or claim to be filed or prosecuted against the state or a county, school district, municipality, municipal corporation or subdivision thereof, on account of any labor or material furnished.
4. Pay to the Department of Revenue all sums withheld from employees under ORS 316.167.

279B.230 Condition concerning payment for medical care and providing workers' compensation.

1. Every public contract shall contain a condition that the contractor shall promptly, as due, make payment to any person, co-partnership, association or corporation furnishing medical, surgical and hospital care services or other needed care and attention, incident to sickness or injury, to the employees of the contractor, of all sums that the contractor agrees to pay for the services and all moneys and sums that the contractor collected or deducted from the wages of employees under any law, contract or agreement for the purpose of providing or paying for the services.
2. Every public contract shall contain a clause or condition that all subject employers working under the contract are either employers that will comply with ORS 656.017 or employers that are exempt under ORS 656.126. [2003 c.794 §76c]

279B.235 Condition concerning hours of labor.

1. An employer must give notice in writing to employees who work on a public contract, either at the time of hire or before commencement of work on the contract, or by posting a notice in a location frequented by employees, of the number of hours per day and days per week that the employees may be required to work.
2. In the case of contracts for personal services as described in ORS 279A.055, the contract shall contain a provision that the employee shall be paid at least time and a half for all overtime worked in excess of 40 hours in any one week, except for individuals under personal services contracts who are excluded under ORS 653.010 to 653.261 or under 29 U.S.C. 201 to 209 from receiving overtime.
 - a. Except as provided in subsection (4) of this section, contracts for services must obtain a provision that requires that persons employed under the

contracts shall receive at least time and a half pay for work performed on the legal holidays specified in a collective bargaining agreement or in ORS 279B.020 (1)(b)(B) to (G) and for all time worked in excess of 10 hours in any one day or in excess of 40 hours in any one week, whichever is greater.

- b. An employer shall give notice in writing to employees who work on a contract for services, either at the time of hire or before commencement of work on the contract, or by posting a notice in a location frequented by employees, of the number of hours per day and days per week that the employees may be required to work.

Section 400
GENERAL CONDITIONS

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GENERAL CONDITIONS

101 DEFINITIONS AND ABBREVIATIONS

101.1.00 DEFINITIONS

Whenever the following terms are used in these Specifications, in the Agreement, in any documents or other instruments pertaining to construction where these Specifications govern, the intent and meaning shall be interpreted as follows, all of which are applicable to both the singular and plural thereof.

AGREEMENT/CONTRACT

The written agreement between Owner and Contractor covering the work to be performed; other Contract Documents are attached to the Agreement. Contract and Agreement for the purpose of this document are interchangeable.

ADDENDUM

A supplement to any of the Contract Documents issued, in writing, after advertisement of but prior to the opening bids for an Agreement.

ADVERTISEMENT

An announcement inviting bids for work to be performed and materials to be furnished.

APPLICATION FOR PAYMENT

The form acceptable to the City of Coburg as approved by the City Engineer/Project Manager – see Section 111.0

AS APPROVED

The words “as approved” unless otherwise qualified, shall be understood to be followed by the words “by the City Engineer.”

BIDDER

Whenever the word “bidder” occurs in these Contract Documents, the work shall signify any person, firm, partnership, or corporation submitting a proposal on this project.

BID SECURITY – BID BOND

The certified check, cashier’s check, or surety bond which is required to be submitted with the Proposal to ensure execution of the Agreement and the furnishing of the required bonds. The amount shall be a minimum of 5% of the total bid price. See Section 109.10.00

CHANGE ORDER

A written order issued after the execution of the Agreement to the Contractor and signed by City of Coburg authorizing an addition, deletion or revision in the work, or an adjustment in the Contract Price or the Contract Time issued after execution of the Agreement – See also extra work and force account work.

CITY

The City of Coburg, including its duly authorized representatives.

CITY COUNCIL

The City Council of the City of Coburg.

CITY ENGINEER

Whenever the words "City Engineer" occurs in these Contract Documents, the words shall signify in addition the City Engineer **or** his/her authorized representative "designee" as directed by him/her. See section 103 "The City Engineer" of this document.

CONTRACT

See Agreement.

CONTRACT DOCUMENTS (COLLECTIVELY ALL DOCUMENTS RELEVANT TO THIS PROJECT)

The "Contract Documents" consist of the Invitation to Bid, the Instructions to Bidders, the Proposal, the Agreement, the General Conditions, the supplementary general conditions, the Specifications, the special specifications, the Contract/Agreement and the plans including all modifications thereof incorporated into the documents before their execution, and including all other requirements incorporated by specific reference thereto. These form the Agreement.

CONTRACT ITEM (PAY ITEM)

A specific unit of work for which a price is provided in the Proposal.

CONTRACT PRICE

The total amount payable to Contractor under the Agreement.

CONTRACTOR

The person or persons, co-partnership, corporation, or joint venture who have entered into an agreement with the City of Coburg as party or parties of the second part, or his/her or their legal representatives. The word "Contractor," although used herein as terming an individual, shall be taken to mean the Contractor, his/her agents, employees, officials, Subcontractors, or anyone connected with the work herein set forth on behalf of the Contractor.

CONTRACT TIME

The number of calendar or workdays stated in the Contract Documents, allowed for completion of work, including authorized time extensions. If a calendar date of completion is stated in the Proposal, in lieu of a number of calendar days, the contract shall be completed by that date.

DAY

Unless otherwise stated, the term "day" shall be taken to mean a calendar day of 24 hours, beginning at 12:00 midnight. Saturdays, Sundays and holidays shall be included.

DEVELOPER

A private entity who has expressed the intention of providing, or who has undertaken the providing, of some facility, structure, or like project to be accepted for maintenance and ownership by the City of Coburg.

DRAWINGS/PLANS

That part of the Contract Documents prepared or approved by Engineer which graphically shows the scope, extent, and character of the Work to be performed by Contractor. Shop Drawings and other Contractor submittals are not Drawings as so defined.

ENGINEER

Wherever the word "Engineer" occurs in these Contract Documents, the word shall signify the "City Engineer" or his/her authorized representative" and vice versa.

EQUIPMENT

All machinery, together with the necessary supplies for upkeep and maintenance, and also all tools and apparatus necessary for the proper construction and acceptable completion of the work.

EXTRA WORK

Work not included in the Contract, but deemed by the Engineer to be necessary to complete the Project. See extra Work and force account Work – Section 111.3.03 in this document.

FORCE ACCOUNT WORK

Items of Extra Work ordered by the Engineer that are to be paid according to Section 111.3.03.

INSPECTOR

An authorized representative of the City Engineer assigned to make all necessary inspections and/or test of the work performed or being performed, or of the materials furnished or being furnished by the City of Coburg.

INTENTION OF TERMS

Whenever, in these Specifications or on the plans, the words “require,” “permitted,” “ordered,” “designated,” “prescribed” or words of the like import are used, it shall be understood that the requirements, permission, order, designation, or prescription of the City Engineer is intended; and similarly, the words “approved,” “acceptable,” “satisfactory,” or words of like import shall mean approved by, or acceptable to, or satisfactory to the City Engineer, subject in each case to the final determination of the City of Coburg.

LABORATORY

The official testing laboratories of the City of Coburg or such other laboratories as may be designated by the City Engineer.

LEGAL HOLIDAY

The following, subject to subsequent change by law, are legal holidays: Sunday, New Year’s Day, Martin Luther King Jr. Day, President’s Day, Memorial Day, Independence Day, Labor Day, Veteran’s Day, Thanksgiving and the day after Thanksgiving, Christmas, and those days declared as holidays by public proclamation. When a legal holiday, other than Sunday falls on a Sunday, the immediate following Monday is a legal holiday.

MATERIALS

Any substance incorporated in the project and equipment and other material consumed in the performance of work.

MODIFICATION

- (a) A written amendment of the Contract Documents signed by both parties.
- (b) A change order.
- (c) Written clarification or interpretation issued by City Engineer.
- (d) A written order for a minor change or alteration in the work issued by City Engineer.
- (e) A modification may only be issued after execution of the Agreement.

NOTICE OF AWARD

The written notice by City of Coburg to the apparent successful Bidder stating that upon compliance with the conditions precedent to be fulfilled by him/her within the time specified, City of Coburg will execute and deliver the Contract to him/her.

NOTICE TO PROCEED

A written notice to the Contractor fixing the date on which to begin the actual contract work. If applicable, the Notice to Proceed shall state the date on which the Contract Time will commence to run.

OR EQUAL

The term “or equal” shall be understood to indicate that the “equal” product is the same or better than the product named in function, performance, reliability, quality, and general configuration. Determination of equality in reference to the project design requirements will be made by the City Engineer. Such “equal” products shall not be purchased or installed by the Contractor without the City Engineer’s written approval.

OWNER

The legal entity or contracting agency for which the work is being performed. Where applicable the Developer is the Owner until such time as the improvements are accepted by the City Council for maintenance.

PAYMENT BOND

The approved form of security furnished by the Contractor and his/her surety as a guarantee that he/she will pay in full all bills and accounts for materials and labor used in the construction of the work. See Section 109.10.00

PERFORMANCE BOND

The approved form of security furnished by the Contractor and his/her surety as a guarantee that the Contractor will complete the work in accordance with the terms of the Agreement. The separate payment bond and the performance bond shall be on the Contractor’s own Surety form(s). See Section 109.10.00

PLANS

The term “Plans” refers to the official plans, profiles, cross sections, elevations, details and other working drawings and supplementary drawings, or reproductions thereof, signed by the City Engineer, which show the location, character, dimensions, and details for the work to be performed. Plans may either be bound in the same book as the balance of the Contract Documents or bound in separate sets, and are a part of the Contract Documents regardless of the method of binding.

PREQUALIFICATION – OF BIDDERS

The City of Coburg will prequalify bidders prior to award of the Contract. Bidders must submit the ODOT prequalification form to City, bidders must be registered with the Construction Contractor’s Board (CCB) for the work as set forth for this Project and must have the registration with the CCB under the name the bid is submitted under for not less than three (3) years. Bidders must not be on a State or Federal debarred listing.

PROPOSAL

The written offer of the bidder submitted on the approved proposal form setting forth the prices for the work to be performed.

PROPOSAL GUARANTY

See Bid Security and Section 109.10.00

REFERENCE SPECIFICATIONS

Bulletins, standards, rules, methods of analysis or test, codes and specifications.

SPECIAL SPECIFICATIONS/SPECIAL PROVISIONS

Requirements peculiar to the project.

STANDARD SPECIFICATIONS/GENERAL CONDITIONS

Codes, rules and regulations referred to in these Specifications/General Conditions by basic name or designation only, shall be considered to be of the latest issue with all amendments as of the date of these Specifications. Applicable portions of such shall become a part of these Contract Documents.

STRUCTURES

Facilities such as bridges, culverts, catch basins, inlets, retaining walls, cribbing, storm and sanitary sewer lines, waterlines, utility cables and pipelines, under drains, electrical ducts, manholes, hand holes, lighting fixtures and bases, transformers, flexible and rigid pavements; buildings, vaults, and other man-made features that may be encountered in the work and not otherwise classified herein.

SUBCONTRACTOR

An individual, firm, or corporation having a direct contract with the Contractor or any other Subcontractor for the performance of a portion of the work on the project, or those who furnish material for the project.

SUPERINTENDENT

The Contractor's executive representative who is present on the work during progress, authorized to receive and fulfill instructions from the City Engineer, and who shall supervise and direct the construction.

SURETY

A corporation, licensed to conduct the business of surety in the State of Oregon, and named in the current list of approved sureties published by the U.S. Treasury Circular 570. All bonds signed on behalf of the Surety must be accompanied by a certified copy of the authority to act.

If the Surety on any bond furnished by the Contractor is declared bankrupt or becomes insolvent, or its right to do business is terminated in the State of Oregon, or it ceases to meet the requirements outlined above, Contractor shall within five (5) days thereafter, substitute another Bond and Surety, both of which shall be acceptable to the City of Coburg.

WETLANDS

Areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas.

WORK

Wherever the word "work" occurs in these Contract Documents, the word shall signify all materials, labor, tools and all appliances, machinery and appurtenances necessary to perform and complete everything specified in the Contract Documents or shown on the Plans, and such additional items of labor, material, and equipment not specifically indicated or described which can be reasonably inferred as belonging to the item described or indicated and as required by good practice to provide a complete and satisfactory system or structure. As used herein, "provide" shall be understood to mean, "furnish and install."

WORKING DAY

Any and every calendar day excluding Saturdays, Sundays, and legal holidays. Unless otherwise permitted, a working day occurs between the hours of 7:00 a.m. and 3:30 p.m.

WRITTEN NOTICE

Whenever the term "Written Notice" occurs in these Contract Documents, the term shall signify a written communication delivered in person to the individual, or to a member of the firm, or to an officer of the corporation for whom it is intended, or, if delivered or sent by electronic mail, certified mail or first class mail, to the last business address known to him/her who gives the notice.

101.2.00 ABBREVIATIONS

Wherever in these Specifications, on the plans or in the special specifications the initials only of a society or association are used, the following organizations are referred to:

AA	Aluminum Association
AABC	Associated Air Balance Council
AAMA	Architectural Aluminum Manufacturer's Association
AAR	Association of American Railroads
AASHTO	American Association of State Highway and Transportation Officials
AATCC	American Association of Textile Chemists and Colorists
ACI	American Concrete Institute
ADC	Air Diffusion Council
AEIC	Associated Edison Illumination Companies
AFBMA	Anti-Friction Bearing Manufacturer's Association, Inc.
AGA	American Gas Association
AGC	Associated General Contractors of America
AGMA	American Gear Manufacturer's Association A
HAM	Association of Home Appliance Manufacturer's
AI	The Asphalt Institute
AIA	American Institute of Architects
AISC	American Institute of Steel Construction
AISI	American Iron and Steel Institute
AITC	American Institute of Timber Construction
AMCA	Air Moving and Conditioning Association
ANS	American Nuclear Society
ANSI	American National Standards Institute, Inc.
APA	American Plywood Association
API	American Petroleum Institute
APWA	American Public Works Association
AREA	American Railway Engineering Association
ARI	Air-Conditioning and Refrigeration Institute
ASA	Acoustical Society of America
ASAE	American Society of Agricultural Engineers
ASCE	American Society of Civil Engineers
ASHRAE	American Society of Heating, Refrigerating, and Air Conditioning Engineers
ASLE	American Society of Lubricating Engineers
ASME	American Society of Mechanical Engineers
ASPA	American Sod Producers Association
ASQC	American Society of Quality Control
ASSE	American Society of Sanitary Engineers
ASTM	American Society for Testing and Materials
AWPA	American Wood Preservers Association
AWPI	American Wood Preservers Institute
AWS	American Welding Society
AWWA	American Water Works Association
BBC	Basic Building Code, Building Officials and Code Administrators International
BHMA	Builders Hardware Manufacturer's Association
CBM	Certified Ballast Manufacturers
CDA	Copper Development Association
CEMA	Conveyors Equipment Manufacturer's Association
CGA	Compressed Gas Association
CLPCA	California Lathing and Plastering Contractors Association
CLFMI	Chain Link Fence Manufacturer's Institute
CMA	Concrete Masonry Association
COE	Corp of Engineers

CRSI	Concrete Reinforcing Steel Institute
CSI	Construction Specifications Institute
DCDMA	Diamond Core Drill Manufacturer's Association
DOE	Department of Ecology
DOT	Department of Transportation
EEI	Edison Electric Institute
EIA	Electronic Industries Association
EJCDC	Engineer's Joint Contract Documents Committee
EJMA	Expansion Joint Manufacturer's Association
EPA	Environmental Protection Agency
ETL	Electrical Test Laboratories
FGMA	Flat Glass Marketing Association
FM	Factory Mutual
FS	Federal Specification
GA	Gypsum Association
IBC	International Building Code
ICBO	International Conference of Building Officials
ICC	Interstate Commerce Commission
IEEE	Institute of Electrical and Electronics Engineers
IES	Illuminating Engineering Society
IME	Institute of Makers of Explosives
IMIA	International Masonry Industry All-Weather Council
IP	Institute of Petroleum (London)
IPC	Institute of Printed Circuits
IPCEA	Insulated Power Cable Engineers Association
ISA	Instrument Society of America
ISO	International Organization for Standardization
ITE	Institute of Traffic Engineers
MBMA	Metal Building Manufacturer's Association
MFMA	Maple Flooring Manufacturer's Association
MIL	Military Specification
ML/SFA	Metal Lath/Steel Framing Association
MPTA	Mechanical Power Transmission Association
MTI	Marine Testing Institute
MUTCD	Manual on Uniform Traffic Control Devices
NAAMM	National Association of Architectural Metal Manufacturer's
NACE	National Association of Corrosion Engineers
NBS	National Bureau of Standards
NCCLS	National Committee for Clinical Laboratory Standards
NEBB	National Environmental Balancing Bureau
NEC	National Electrical Code
NEMA	National Electrical Manufacturer's Association
NESC	National Electric Safety Code
NFPA	National Fire Protection Association
NGLI	National Lubricating Grease Institute
NMA	National Microfilm Association
NWMA	National Woodwork Manufacturers Association
OAC	Oregon Administrative Code
ODOT	Oregon Department of Transportation
OHA	Oregon Health Authority
OSSC	Oregon Structural Specialty Code
OSEPA	Oregon State Environmental Protection Agency
OSHA	Occupational Safety and Health Administration
PCA	Portland Cement Association
PCI	Prestressed Concrete Institute
PS	Product Standard
RCO	Revised Code of Oregon

RIS	Redwood Inspection Service
RVIA	Recreational Vehicle Industry Association
RWMA	Resistance Welder Manufacturer's Association
SAE	Society of Automotive Engineers
SAMA	Scientific Apparatus Makers Association
SDI	Steel Deck Institute
SDI	Steel Door Institute
SIS	Swedish Standards Association
SJI	Steel Joist Institute
SMA	Screen Manufacturers Association
SMACCNA	Sheet Metal and Air Conditioning Contractors National Association
SPR	Simplified Practice Recommendation
SSBC	Southern Standard Building Code, Southern Building Code Congress
SSPC	Steel Structures Painting Council
SSPWC	Standard Specifications for Public Works Construction
TAPPI	Technical Association of the Pulp and Paper Industry
TFI	The Fertilizer Institute
UL	Underwriters Laboratories, Inc.
WCLIB	West Coast Lumber Inspection Bureau
WCRSI	Western Concrete Reinforcing Steel Institute
WIC	Woodwork Institute of California
WRI	Wire Reinforcement Institute, Inc.
WWPA	Western Wood Products Association

102 CONTRACT DOCUMENTS

102.1.00 INTENT OF CONTRACT DOCUMENTS

The Contract Documents are complimentary, and what is called for by any one shall be as binding as if called for by all. The intent of the Contract Documents is to describe a complete project to be constructed in accordance with the Contract Documents. Any work that may be reasonably inferred from the Contract Documents as being required to produce the intended result shall be supplied whether or not it is specifically called for. Materials or work described in words, which so applied, have a well-known technical and trade meaning shall be held to refer to such recognized standards.

102.2.00 INCONSISTENCIES AND OMISSIONS

Any inconsistency, conflict, error or omission found in the Contract Documents shall be reported to the City Engineer in writing immediately and before proceeding with the work affected thereby; however, Contractor shall not be liable to City of Coburg or City Engineer for his/her failure to discover any conflict, error, or inconsistency in the Contract Documents. The City Engineer will clarify inconsistencies or omissions, in writing, within a reasonable time. The decision of the City Engineer shall be final. In resolving inconsistencies among two or more sections of the Contract Documents, precedence shall be given in the following order:

- The more stringent requirement
- Federal requirements
- State requirements
- Modifications, the last in time being the first in precedence, including all Addenda to the Contract Documents.
- Agreements.
- Plans/drawings – figure dimensions on drawings shall take precedence over scale dimensions. Detailed drawings shall take precedence over general drawings.
- Special Specifications
- City's Standards & Specifications
- Instructions to Bidders
- General Conditions
- Reference Specifications

Figure dimensions on plans shall take precedence over scale dimensions. Detailed plans shall take precedence over general plans.

102.3.00 ALTERATIONS AND CHANGE ORDERS

The City of Coburg, without invalidating the Contract, may at any time or from time to time, order extra Work or make changes by altering, adding to, or deducting from the Work. All such Work shall be authorized by Change Order and executed under the conditions of the original Contract, except that claim by either party for time and payment increase or decrease caused thereby shall be adjusted at the time of ordering such change.

The City Engineer may authorize minor changes in the Work not involving extra cost and not inconsistent with the overall intent of the Contract Documents. **The percentage of increase on extra Work involving additional costs will be at the same rates as the "Force Account Work" in section 111.3.03 of these contract documents.**

Extra work performed by Contractor, without authorization of a Change Order, will not entitle him/her to an increase in the Contract Price or to the finding that an emergency circumstance exists that endangers life or property.

If the Work is reduced by alterations, such action shall not constitute a claim for damages based on loss of anticipated profits.

102.4.00 VERIFICATION OF DATA

It is understood and agreed that the Contractor has, by careful examination, satisfied himself/herself as to the nature and location of the work; the conformation of the grounds; the character, quality, and quantities needed preliminary to and during the prosecution of the work; the general and local conditions; and all other matters which can in any way affect the work under this Agreement. No verbal agreement or conversation with any officer, agent, or employee of the City of Coburg, either before or after the execution of this Agreement, shall affect or modify any of the terms or obligations herein contained.

102.5.00 DOCUMENTS TO BE KEPT AT THE WORK SITE

The Contractor shall keep one copy of the Contract Documents at the work site, in good condition, available to the City Engineer and to his/her representatives.

The Contractor shall maintain on the job site, and make available to the City Engineer upon request, one current marked-up set of the Design Drawings which accurately indicate all approved variations in the completed work that differ from the design information shown on the Drawings.

102.6.00 DOCUMENTS TO BE FURNISHED

The City will no longer furnish any additional copies of the Contract Documents or Plans to the Contractor. Additional copies of Contract Documents or Plans may be obtained on request by paying the actual cost of reproducing the Contract Documents or Plans.

102.7.00 OWNERSHIP OF DRAWINGS

All Plans, Drawings, Specifications and copies hereof furnished by the City Engineer are the City's property and are not to be used on other work and, with the exception of the signed contract set, are to be returned on request at completion of the work. Any reuse of these materials without specific written verification by the City Engineer will be at the risk of the user and without any liability or legal expense to the City Engineer. All models are the property of the City of Coburg.

102.8.00 PROJECT WORK SCHEDULES

The Contractor shall submit a Project Work Schedule meeting the Project requirements to the Engineer. The Project Work Schedule is intended to identify the sequencing of activities and time required for prosecution of the Work. The schedule is used to plan, coordinate, and control the progress of construction. Therefore, the Project Work Schedule shall provide for orderly, timely, and efficient prosecution of the Work, and shall contain sufficient detail to enable both the Contractor and

the Engineer to plan, coordinate, analyze, document and control their respective Contract responsibilities. The Project Work Schedule will be subject to review, adjustments (collectively by both parties) and approval by the Engineer.

102.8.00 PROJECT PROGRESS REPORT

The Contractor shall submit a progress report to the Engineer each month with their pay application. The report shall include:

- Sufficient narrative to describe the past progress, anticipated activities, and stage Work;
- A description of any current and expected changes or delaying factors and their effect on the construction schedule; and
- Proposed corrective actions.

103 THE CITY ENGINEER

103.1.00 AUTHORITY OF THE CITY ENGINEER

The City Engineer shall be the City of Coburg's representative during the construction and he/she shall observe the work in progress on behalf of the City of Coburg. This general inspection of the construction will not, however, relieve the construction Contractor(s) from his/her (their) obligation to conduct comprehensive inspections and to maintain full responsibility for the techniques and sequences of construction, the safety precautions incidental thereto, and for performing the construction work in accordance with the Contract Documents. He or she shall also have the authority to reject all work and materials, which do not conform to the Agreement. The City Engineer will, within a reasonable time after their presentation to him/her, make decisions, in writing, on all claims of the City of Coburg or the Contractor and on all other matters relating to the execution and progress of the work or the interpretation of the Contract Documents. The City Engineer's estimates and decisions shall be the condition precedent to the right of the Contractor to any action on the Agreement and to any right to receive additional money under the Agreement. The Engineer shall have the authority to order changes in the work or extra work, as provided in the paragraph "Alterations and Change Orders" of the Section CONTRACT DOCUMENTS.

The City Engineer will not be responsible and has not been retained or compensated to provide design and construction review services relating to the Contractor's safety precautions or to means, methods, techniques, sequences or procedures required for the Contractor to perform his/her work.

103.2.00 ENGINEER'S REPRESENTATIVES

Assistants may be assigned to various portions of the work by the City Engineer. It is understood that such assistants shall have the power, in the absence of the City Engineer, to issue clarifications and make decisions within the limitations of the authority of the City Engineer. The authority of such assistants shall, however, be limited to the particular portion or phase of the work to which they are assigned and by the particular duties assigned to them. Upon request, the assignment and duties of the Inspector or Inspectors will be provided in writing.

103.2.01 AUTHORITY AND DUTIES OF THE INSPECTOR

The Engineer may appoint assistants to inspect all materials used and all work done. Such inspection may extend to any or all parts of the work and to the preparation or manufacture of the materials to be used. The Inspectors will not be authorized to revoke, alter, enlarge or relax the provision on the work to check the necessary lines and grades and to keep the Engineer informed as to the progress of the work and the manner in which it is being done; also to call the attention of the Contractor to any infringements upon plans or specifications, but failure of the Inspector or the Engineer to call the attention of the Contractor to faulty work or infringements upon the plans or specifications shall not constitute acceptance of said work.

An Inspector will not be authorized to approve or accept any portion of the work or to issue instructions contrary to the plans and specifications. The Inspector will have authority to reject defective material and to suspend any work that is being improperly done, subject to the final decision of the Engineer. The Inspector will exercise such additional authority as may, from time to time, be especially delegated to him/her by the Engineer.

103.3.00 INSPECTION

City Engineer and/or Inspector will make periodic visits to the site to observe the progress and quality of the executed work and to determine, in general, if the work is proceeding in accordance with the Contract Documents. He or she will not be required to make exhaustive or continuous on-site inspections to check the quality or quantity of the work. His/her efforts will be directed toward providing assurance for the City of Coburg that the completed project will conform to the requirements of the Contract Documents. On the basis of his/her on-site observations as an experienced and qualified design professional, he/she will keep City of Coburg informed in the progress of the work and will endeavor to guard the City of Coburg against defects and deficiencies in the work of Contractors.

103.4.00 REJECTED DEFECTIVE WORK

Engineer or Owner have authority to disapprove or reject Work which Engineer or Owner believes to be defective, or that Engineer or Owner believes will not produce a completed Project that conforms to the Contract Documents or that will prejudice the integrity of the design concept of the completed Project as a functioning whole as indicated by the Contract Documents. Engineer or Owner will also have authority to require special inspection or testing of the Work, whether or not the Work is fabricated, installed, or completed.

If any Work is covered contrary to the written request of Engineer or Owner, it must, if requested by Engineer or Owner, be uncovered for Engineer or Owner's observation and replaced at Contractor's sole expense.

If engineer or Owner considers it necessary or advisable that covered Work be observed by Engineer or inspected or tested by others, CONTRACTOR, at Engineer's request shall uncover, expose, or otherwise make available for observation, inspection, or testing as Engineer may require, that portion of the Work in question, furnishing all necessary labor, material, and equipment. If it is found that such Work is defective, CONTRACTOR shall pay all Claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such uncovering, exposure, observation, inspection, and testing, and of satisfactory replacement or reconstruction (including but not limited to all costs of repair or replacement of work of others); and OWNER shall be entitled to an appropriate decrease in the Contract Price. If the parties are unable to agree as to the amount thereof, OWNER may make a Claim. If, however, such Work is not found to be defective, CONTRACTOR shall be allowed an increase in the Contract Price or an extension of the Contract Times (or Milestones), or both, directly attributable to such uncovering, exposure, observation, inspection, testing, replacement, and reconstruction. If the parties are unable to agree as to the amount or extent thereof, CONTRACTOR may make a Claim.

If the Work is defective, or CONTRACTOR fails to supply sufficient skilled workers or suitable materials or equipment, or fails to perform the Work in such a way that the completed Work will not conform to the Contract Documents, OWNER shall reserve the right to contract another contractor to correct the defective work and may order CONTRACTOR to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, this right of OWNER to stop Work shall not give rise to any duty on the part of OWNER to exercise this right for the benefit of CONTRACTOR, any Subcontractor, any Supplier, any other individual or entity, or any Surety for, or employee or Agent of any of them.

CONTRACTOR shall correct all defective Work, whether or not fabricated, installed, or completed, or, if the Work has been rejected by Engineer, remove it from the Project and replace it with Work that is not defective. CONTRACTOR shall pay all Claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such correction or removal (including but not limited to all costs of repair or replacement of work of others).

Where defective Work (and damage to other Work resulting therefrom) has been corrected or removed and replaced under this paragraph, the correction period hereunder with respect to such Work will be extended for an additional period of one year after such correction or removal and replacement has been satisfactorily completed. CONTRACTOR'S obligations under this paragraph are in addition to any other obligation or warranty. The provisions of this paragraph shall not be construed as a substitute for a waiver of the provisions of any applicable statute of limitation or repose.

103.5.00 UNNOTICED DEFECTS

The City Engineer will not be responsible for the acts or omissions of the Contractor or any Subcontractor or other persons at the site performing any of the work. Any defective work or material that may be discovered by the City Engineer before the final acceptance of work, or before final payment has been made, or during the guarantee period, shall be removed and replaced by work and materials which shall conform to the provision of the Contract Documents. Failure on the part of the Engineer to condemn or reject bad or inferior work or materials shall not be construed to imply acceptance of such work or materials.

103.6.00 RIGHT TO RETAIN IMPERFECT WORK

If any part or portion of the work done or material furnished under this Agreement shall prove defective and not in accordance with the plans and specifications, and if the imperfection in the same shall not be of sufficient magnitude or importance as to make the work dangerous or undesirable, or if the removal of such work will create conditions which are dangerous or undesirable, the City of Coburg shall have the right and authority to retain such work. In such case, if acceptance occurs after approval of final payment, an appropriate amount shall be paid by the Contractor to City of Coburg.

103.7.00 LINES AND GRADES

Lines and grades shall be the responsibility of the Contractor and shall be established under the on-site supervision of a Registered Professional Surveyor or Registered Engineer, licensed in the State of Oregon.

103.8.00 DETAIL DRAWINGS AND INSTRUCTIONS

The City Engineer will furnish, with reasonable promptness, additional instructions by means of drawings or otherwise, as are necessary for the proper execution of the work. All such drawings and instructions will be consistent with the Contract Documents.

103.9.00 SHOP DRAWINGS AND SAMPLE SUBMITTALS

The Contractor shall submit, in quadruplicate, to the Engineer for this review, such shop drawings, electrical diagrams, and catalog cuts for fabricated items and manufactured items (including mechanical and electrical equipment) required by the Contract Documents. Drawings shall be submitted in sufficient time to allow the City Engineer not less than ten (10) regular working days for examining the drawings.

The drawings shall be accurate, distinct, and complete, and shall contain all required information, including satisfactory identification of items, units, and assemblies in relation to the contract drawings and specifications.

Unless otherwise approved by the City Engineer, shop drawings shall be submitted only by the Contractor, who shall indicate by a signed stamp on the drawings, or other approved means, that he/she (the Contractor) has checked the shop drawings, and that the work shown is in accordance with contract requirements and has been checked for dimensions and relationship with work of all other trades involved. The practice of submitting incomplete or unchecked shop drawings for the City Engineer to correct or finish will not be acceptable, and shop drawings which, in the opinion of the City Engineer, clearly indicate that they have not been checked by the Contractor will be considered as not complying with the intent of the Contract Documents and will be returned to the Contractor for resubmission in the proper form.

When the shop drawings have been reviewed by the City Engineer, two sets of submittals will be returned to the Contractor appropriately stamped. If major changes or corrections are necessary, the drawing may be rejected and one set will be returned to the Contractor with such changes or corrections indicated, and the Contractor shall correct and resubmit the drawings, in quadruplicate, unless otherwise directed by the City Engineer. No changes shall be made by the Contractor to resubmitted shop drawings other than those changes indicated by the City Engineer.

The review of such drawings and catalog cuts by the City Engineer shall not relieve the Contractor from responsibility for correctness of dimensions, fabrication details and space requirements, or for deviations from the contract drawings or specifications, unless the Contractor has called attention to such deviations in writing by a letter accompanying the drawings and the City Engineer approves the change or deviations in writing at the time of submission, nor shall review by the City Engineer relieve the Contractor from the responsibility for errors in the shop drawings. When the Contractor does call such deviations to the attention of the City Engineer, the Contractor shall state in his/her letter whether or not such deviations involve any deduction or extra cost adjustments. The approval of a separate item as such will not indicate approval of the assembly in which the item functions.

Contractor shall also submit, to City Engineer for approval with such promptness as to cause no delay in work, all samples required by the Contract Documents. All samples shall be clearly identified as to material, manufacturer and any pertinent catalog number if applicable, and the use for which intended.

Where a shop drawing or sample submittal is required by the Contract Documents, no related work shall be commenced until the submission has been approved by the City Engineer.

103.10.0 REJECTION OF NONRESPONSIVE BIDS

The designated person that opens the bids for this Project shall have the authority to determine, at the time and place of the bid opening, what is an acceptable/responsive bid – that bid which can be accepted and that bid which must be rejected. The decision shall include but not limited to the following responsive items: (1) The completed and signed schedule of bid items; (2) The original 5% bid bond is furnished (if required); And (3) The certifications forms are signed and furnished. Acceptable informalities will be consistent with ORS 279 – the “Attorney General’s Model Rules for Public Contracts” including those mistakes that can be substantiated/acceptable from accompanying documents. Omissions that can’t be substantiated from accompanying documents and ambiguities on the bid submissions will be considered grounds for rejection. The bid may also be rejected later if the sub-tier contractor’s form (required for bids over \$100,000) is not received within two hours of the specified bid time and date.

103.10.1 INTERPRETATION OF QUANTITIES IN BID SCHEDULE

Quantities appearing in the Bid Schedule are approximate and are provided only for comparison of Bids. The City of Coburg does not warrant that the actual individual items, amount of Work, or quantities will correspond to those shown in the Bid Schedule. Payment to the Contractor will be made only for actual quantities of Work performed and accepted or Materials furnished and accepted, as required by the Contract. Quantities of Work to be performed and Materials to be furnished may each be increased, decreased, or omitted as necessary as the Work goes forward.

103.10.2 AWARD OF CONTRACT

After the Bids are opened and a determination is made that a Contract is to be awarded, the Contract will be awarded to the lowest responsible Bidder. For the purposes of this Section, “lowest responsible Bidder” means the lowest Bidder who is not on the debarment lists created by the Construction Contractor’s Board, Bureau of Labor & Industries or the Federal Excluded Parties List System (EPLS), and who has:

- Substantially complied with all prescribed public bidding procedures and requirements.
- Available the appropriate financial, Materials, Equipment, facility and personnel resources and expertise, or ability to obtain the resources and expertise, necessary to indicate the capability of the prospective Bidder to meet all contractual responsibilities for a complete Project.

- A satisfactory record of performance.
- A satisfactory record of integrity.
- Qualified legally to contract with the City.
- Supplied all necessary information as requested by City in connection with the Project.

If the Bidder is found not to have a satisfactory record of performance or integrity, The City will document the record and the reasons for the unsatisfactory finding. If approved, the City will provide a notice of intent to award. The award will not be final until after the posting date and any protests that may be submitted have been resolved and or partially resolved (findings made) so that the City may proceed with the Project.

Without liability to the City, the City may for good cause cancel Award at any time before the Contract is executed by all parties to the Contract, as provided by ORS 279C.395 for rejection of Bids, upon finding it is in the public interest to do so.

103.10.2 RELEASE OF BID GUARANTIES

Bid guaranties will be released and checks returned seven calendar days after Bids are opened, except for those of three apparent lowest Bidders on the Project. The guaranties of three lowest Bidders will be released and checks returned to unsuccessful Bidders within seven days of the City's execution of the Contract.

104 THE CONTRACTOR AND HIS/HER EMPLOYEES

104.1.00 INDEPENDENT CONTRACTOR – NON-PARTNERSHIP

The Contractor shall perform all work under this Project as an Independent Agent and shall not be considered as an agent of the City of Coburg, nor shall the Contractor's Subcontractors or employees be sub-agents of the City of Coburg.

- The Work to be rendered under this Project is that of an independent Contractor. Contractor is not an officer, employee, or agent of the City under ORS 30.265 or ORS 30.287, and Contractor is not to be considered an officer, employee or agent of the City for any purpose. Contractor shall be solely and entirely responsible for its acts and for the acts of its subcontractors, agents or employees during the performance of this Project. Contractor is an independent Contractor for the Oregon Workers' Compensation Law (ORS Chapter 656) and is solely liable for workers' compensation coverage under any Agreement applicable to this Project.
- No Agency, Partnership or Joint Venture/Independent Contractor – Neither the City or Contractor, by virtue of any Agreement applicable to this Project, is a partner or joint venture with the other party in connection with the other party in connection with the activities carried out under this Project.
- Any Agreement applicable to this Project is not intended to entitle the Contractor nor any of its Subcontractors to any benefits generally granted to City Employees. Contractor shall be responsible for all federal or state taxes applicable to compensation or payment paid to Contractor under any Agreement applicable to this Project.

104.2.00 SUBCONTRACTING

The Contractor shall include, in the space provided in the Letter of Employment of Subcontractors, the legal corporate names of all proposed Subcontractors and the portion of the work that these proposed Subcontractors or other persons or organizations shall perform.

The Contractor for this Project agrees that he/she is as fully responsible to the City of Coburg for the acts and omissions of his/her Subcontractors and of persons either directly or indirectly employed by them as he/she is for the acts and omissions of persons directly employed by him/her.

Nothing contained in the Contract Documents shall create any contractual relation between any Subcontractor and the City of Coburg.

Subcontractors shall be in accordance with, and the Contractor shall be bound by, the following provisions:

- All Subcontractors shall be subject to the approval of the City Engineer.
- All Subcontracts shall be in writing and shall provide that all work to be performed there under shall be performed in accordance with the terms of these Contract Documents.
- If requested, true copies of any and all subcontracts shall be furnished to the Engineer; however, prices may be omitted.
- Subcontractors shall conform to the regulations governing employment of labor.
- The subcontracting of any part of the work will in no way relieve the Contractor of his/her responsibility or liability or obligation under these Contract Documents.

104.3.00 INSURANCE AND LIABILITY

The Contractor is defined as the provider of all construction services for the City of Coburg for this contract, and shall purchase and maintain insurance, naming the City as additionally insured for protection from the claims set forth below which may arise out of or result from the Contractor's operations under the Contract, whether such operations be by the Contractor or by any Subcontractor, or by anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable:

- Claims under worker's or workmen's compensation, disability benefit and other similar employee benefit acts. (Note: The City would not be additionally insured for Workmen's Compensation.)
- Claims for damages because of bodily injury, occupational sickness or disease, or death of the Contractor's employees;
- Claims for damages because of bodily injury, sickness or disease, or death of any person other than the Contractor's employees;
- Claims for damages which are sustained (1) by any person as a result of a violation of law, or other conduct that is intentional, reckless, negligent or otherwise, directly or indirectly related to the employment of any person by the Contractor, or (2) by any other person as the result of conduct of the contractor or contractor's employees;
- Claims for damages, other than to the work itself, because of injury to or destruction of tangible property, including loss of use resulting there from; and
- Claims for damages because of bodily injury or death of any person or property damage arising out of the ownership, maintenance or use of any motor vehicle.

The insurance shall be written for not less than any limits of liability specified in the Contract Documents or required by law, whichever is greater. The specified limit of liability shall be a combined single limit of \$1,000,000 per occurrence, with an aggregate limit of not less than \$2,000,000. Claims-made coverage forms are not acceptable.

Certificates of Insurance acceptable to the City of Coburg shall be filed with the City of Coburg prior to commencement of the work. These certificates shall contain a provision that coverage afforded under the policies will not be cancelled until at least thirty days prior written notice has been given to the City of Coburg.

The Contractor's liability and property insurance with a completed Operations Endorsement shall be maintained after the completion of the project for the full warranty period. Nothing contained in these insurance requirements is to be construed as limiting the extent of the Contractor's responsibility for payment of damages resulting from his/her operations under this Agreement.

When the construction is to be accomplished within a public or private right-of-way requiring special insurance coverage, the Contractor shall conform to the particular requirements and provide the required insurance. The Contractor shall include in his/her liability policy all endorsements that the said authority may require for the protection of the authority, its officers, agents, and employees.

In case of the breach of any provision of this article, the City of Coburg, at its option, may take out and maintain at the expense of the Contractor such insurance as the City of Coburg may deem

proper and may deduct the cost of such insurance from any monies which may be due or become due the Contractor under this Agreement.

104.4.00 CONTRACTOR'S AND SUBCONTRACTOR'S INSURANCE

The Contractor shall not commence work under this Agreement until he/she has obtained all the insurance required hereunder and such insurance has been reviewed by the City of Coburg, nor shall the Contractor allow any Subcontractor to commence work on his/her subcontract until all similar insurance required for that portion of the work has been so obtained. Review of the insurance by the City of Coburg shall not relieve or decrease the liability of the Contractor hereunder.

104.5.00 NO PERSONAL LIABILITY OF PUBLIC OFFICIALS

In carrying out any of the provisions hereof in or exercising any authority granted by the Agreement, there would be no personal liability upon any public official.

104.6.00 BUILDER'S RISK - PROPERTY INSURANCE (IN COURSE OF CONSTRUCTION)

Unless otherwise provided, the Contractor shall purchase and maintain property insurance (builder's risk) upon the entire work at the site to the full insurable value thereof. This type of insurance is required primarily for structures. Street, water and sewer projects would not require structure insurance. This insurance shall include the interests of the Owner and Sub-subcontractors in the work and shall insure against the perils of fire and extended coverage and shall include "all risk" insurance for physical loss or damage including, without duplication of coverage, theft, vandalism and malicious mischief. Contractor and Subcontractors will be financially responsible for their own equipment, tools, machinery, and supplies during the course of this project.

If the Owner finds it necessary to occupy or use a portion or portions of the work prior to substantial completion thereof, Contractor shall obtain the consent of the insurance company or companies providing the property insurance, by endorsement to the policy or policies. No insurance shall be canceled or lapsed on account of such partial occupancy or use.

In the event Contractor neglects, refuses or fails to provide the insurance required under the Contract Documents, or if such insurance is canceled for any reason, the Owner shall have the right but not the duty to procure the same and the cost thereof shall be deducted from monies then due or thereafter to become due to Contractor.

104.6.01 COMMERCIAL AUTOMOBILE LIABILITY INSURANCE

Contractor, if required, shall provide commercial automobile liability insurance covering all owned, non-owned, and hired vehicles. The coverage may be written in combination with commercial general liability with separate combined single limit per occurrence shall be in an amount at least equal to the State/DMV requirements.

104.7.00 SUPERVISION

The Contractor shall keep on the project, during its progress, competent supervisory personnel – specifically, at all times during the progress of the Work, Contractor shall assign a competent superintendent thereto who shall not be replaced without written notice to Owner and Engineer except under extraordinary circumstances. The superintendent will be Contractor's representative at the site and shall have authority to act on behalf of Contractor. All communications given to or received from the superintendent shall be binding on Contractor. The Contractor shall designate, in writing, before starting work, an authorized representative who shall have complete authority to represent and to act for the Contractor. The Contractor shall give efficient supervision to the work, using his/her best skill and attention. The Contractor shall be solely responsible for all construction means, methods, techniques, sequence, and procedures, and for providing adequate safety precautions and coordinating all portions of the work, and shall be solely responsible for the compliance to all applicable federal, state, and local laws including OSHA and the Prevailing Wage Laws applicable to this Project under the Agreement. The Contractor shall be responsible to see that the finished work complies accurately with the Contract Documents.

104.7.01 RESPONSIBILITY OF THE CONTRACTOR

Indebtedness incurred for any cause in connection with this work must be paid by the Contractor, and the City of Coburg is hereby relieved at all times from any indebtedness or claim other than payments under terms of the Agreement.

104.8.00 PROPERTY RIGHTS IN MATERIAL

Nothing in the Agreement shall be construed as vesting in the Contractor any right to the property or in the material used after they have been attached or affixed to the work or the soil and accepted by the City of Coburg. All such materials shall become the property of the City of Coburg upon being so attached or affixed and accepted.

104.9.00 COOPERATION BY CONTRACTOR

GENERAL – THE CONTRACTOR SHALL:

- Keep one complete set of Contract Documents available on the Project site at all times.
- Cooperate in good faith with the Engineer, Inspectors, and other Contractors in performance of the Work.
- Provide access, facilities and assistance to the Engineer in establishing such line, grades and points as the Engineer requires.
- Carefully protect and preserve the Engineer's marks and stakes.
- Provide all assistance reasonably required by the Engineer to obtain information regarding the nature, quantity, and quality of any part of the Work.
- Allow the Engineer reasonable access to the Contractor's books and records at all times. To the extent permitted by public records laws, the Engineer will make reasonable efforts to honor the Contractor's request for protection of confidential information.
- Furnish the Engineer all data necessary to determine the actual cost of all, or any part, of the Work.
- Diligently pursue progress of the Work according to the schedule requirements of the Contract and specifications.
- Coordinate and control all Work performed under the Contract, including without limitation the Work performed by Subcontractors.
- Allow the City of Coburg to perform other work on or near the Project Site, including without limitation any Materials site, with forces other than those of the Contractor.

104.10.00 FACILITIES AND SANITATION

If required by law, the necessary sanitary conveniences, properly secluded from public observation, shall be erected and maintained by the Contractor at all times while people are employed on the work; and use of such sanitary conveniences shall be strictly enforced. The location of such conveniences shall be approved by the City Engineer.

104.11.00 EMPLOYEES

The Contractor shall employ only competent skillful workers to do the work. The Contractor shall at all times enforce strict discipline and good order among his/her employees. The Contractor shall comply with all applicable labor rules, wage scales, and regulations, including nondiscriminatory laws, of the Government of the United States, the State, County, and City or Town in which the work is to be done.

105 OREGON LAW – CIVIL RIGHTS – WAGE LAWS

105.0.01 COMPLIANCE TO STATE ORS CHAPTER 279 & ATTORNEY GENERAL MODEL RULES

When the Contract Documents concern public works for the state or any county, municipality, or political subdivision, created by its laws, the applicable statutes of the State of Oregon shall apply. For this reason, Chapters 279A, 279B and 279C of the Oregon Revised Statutes, as amended or superseded, including the latest additions and revisions, are incorporated by reference as part of these Contract Documents and as further defined in the Attorney General's Model Rules. It is understood and agreed that all parties to this Project shall determine the contents of these applicable statutes and comply with their provisions throughout the performance of the Project.

105.0.02 OREGON STATE ENVIRONMENTAL REQUIREMENTS

Contractor shall comply with federal, state and local agencies ordinances, rules and regulations dealing with the prevention of environmental pollution and the preservation of natural resources that affect the performance of the contract. The City reserves the right if environmental requirements (either new or existing ordinances) must be met after the award of the contract, City, in accordance with ORS 279C.525, may (a) Terminate the contract; (b) Complete the work itself; (c) Use non-City forces already under contract with the City; (d) Require that the underlying property owner be responsible for cleanup; (e) Solicit bids for a new Contractor; and (f) Issue the awarded Contractor a change order setting forth the additional work that must be undertaken. In addition, (a) City must make known environmental conditions at the construction site that may require Contractor to comply with environmental ordinances in their bid documents; (b) If not known at the time of award, Contractor shall immediately give notice of the discovered environmental condition to the City; (c) If an environmental emergency exists, City/Contractor shall follow the rules (4), (5), (6), (7) & (8) under ORS 279C.525.

105.0.03 OREGON STATE PUBLIC CONTRACT PROVISIONS

Contractor Shall:

- Make payment promptly, as due to all persons supplying to the contractor labor or material for the performance of the work provided for in the contract.
- Pay all contributions or amounts due the Industrial Accident Fund from the Contractor or Subcontractor incurred in the performance of the contract.
- Not permit any lien or claim to be filed or prosecuted against the City.
- Pay to the Department of Revenue all sums withheld from employees under ORS 316.167.
- Demonstrate that an employee drug testing program is in place. City has the right to audit and/or monitor the program. On request by the City, Contractor shall furnish a copy of the employee drug-testing program.
- Salvage or recycle construction and demolition debris, if feasible and cost-effective.

Prompt Payment/Contractor Refusal to Make Payment:

- If Contractor fails, neglects or refuses to make prompt payment of any claim for labor or services furnished to the Contractor or a Subcontractor by any person in connection with the public improvement contract as the claim becomes due, the City may pay the claim to the person furnishing the labor or services and charge the amount of the payment against funds due or to become due the Contractor by reason of the contract.
- If Contractor or a first-tier Subcontractor fails, neglects or refuses to make payment to a person furnishing labor or materials in connection with this contract within 30 days after receipt of payment from the City (or in a case of Subcontractor, from Contractor), Contractor or first-tier Subcontractor shall owe the person the amount due plus interest charges commencing at the end of the 10-day period that payment is due under ORS 279C.580 (4) and ending upon final payment, unless payment is subject to a good faith dispute as defined in ORS 279C.580. The rate of interest charged to Contractor or first-tier Subcontractor on the amount due shall equal three times the discount rate on 90-day commercial paper in effect at the Federal Reserve Bank in the Federal Reserve district that includes Oregon on the date that is 30 days after the date when payment was received from the contracting agency or from the Contractor, but the rate of interest may not exceed 30 percent. The amount of interest may not be waived.
- If Contractor or a Subcontractor fails, neglects or refuses to make payment to a person furnishing labor or material in connection with this, the person may file a complaint with the Construction Contractors Board (CCB), unless payment is subject to a good faith dispute as defined in ORS 279C.580.
- The payment of a claim in the manner authorized in this section does not relieve the Contractor or the Contractor's surety from obligation with respect to any unpaid claims.

Hours of Labor – Posting Hours of Labor:

- For work under this contract, a person may not be employed for more than 10 hours in any one day, or 40 hours in any one week, except in cases of necessity, emergency or when the public policy absolutely requires it, and in those cases, the employee shall be paid at least time and a half pay:

- a. For all overtime in excess of eight hours in any one day or 40 hours in any one week when the work week is five consecutive days, Monday through Friday; and
 - b. For all overtime in excess of 10 hours in any one day or 40 hours in any one week when the work week is four consecutive days, Monday through Friday; and
 - c. For all overtime in excess of 10 hours in any one day or 40 hours in any one week when the work week is four consecutive days, Monday through Friday; and
 - d. For all work performed on Saturday and on any legal holiday specified in ORS 279C.540.
- Contractor is not required to pay overtime if the request for overtime pay is not filed within 30 days of completion of the Contract if Contractor has posted and maintained in place a circular with the information contained in ORS 279C.545 as required by ORS 279C.545(1).
 - Contractors and Subcontractors must give notice in writing to employees who perform work under this contract, either at the time of hire or before commencement of work on the contract, or by posting a notice in a location frequented by employees, of the number of hours per day and days per week that the employees may be required to work.

Medical Coverage to Employees:

- Contractor shall promptly, as due, make payment to any person, co-partnership, association or corporation furnishing medical, surgical and hospital care services or other needed care and attention, incident to sickness or injury, to the employees of Contractor, of all sums that Contractor agrees to pay for the services and all moneys and sums that the Contractor collected or deducted from the wages of employees under any law, contract or agreement for the purpose of providing or paying for the services.

Workers' Compensation:

- All employers, including Contractor, that employ subject workers who work under this Contract in the State of Oregon shall comply with ORS 656.017 and provide the required Workers' Compensation coverage, unless exempt under ORS 656.126. Contractor shall insure that each of its Subcontractors comply with these requirements.

Recycle Materials:

- Contractor will utilize where applicable, recycled materials if (a) The recycled product is available; (b) the recycled product meets applicable standards; (c) the recycled product can be substituted for a comparable non-recycled product; and (d) The recycled product's costs do not exceed the costs of non-recycled products by more than five percent (5%).

Obligation to Pay Subcontractor & Suppliers Within 10 Days:

- Contractor shall include in each first-tier subcontract, including contracts with material suppliers, a clause that obligates Contractor to pay the first-tier Subcontractor for satisfactory performance under its subcontract within 10 days out of the amounts paid to Contractor by City under this contract, and if payment is not made within 30 days after receipt of payment from City, to pay an interest penalty as specified in ORS 279C.515 (2) to the first-tier Subcontractor. The interest penalty does not apply if the only reason the delay in payment is due to a delay in payment by City to Contractor. Contractor shall include in each of Contractor's subcontracts, a provision requiring the first-tier Subcontractor to include a similar payment and interest penalty clause and shall require Subcontractors to include similar clauses with each lower-tier Subcontractor or supplier.

Certifications:

- By signing the Contract, Contractor will certify that all Subcontractors performing construction work will be registered by the Construction Contractors Board (CCB) or licensed by the State Landscape Contractors Board before the Subcontractor starts work on the Project.
- By signing the Contract, Contractor will certify that it will comply with Oregon tax laws.

105.0.04 TITLE VI CIVIL RIGHTS – AMERICAN WITH DISABILITIES ACT (ADA) - COMPLIANCE

- Contractor shall comply with all applicable federal, state and local laws, ordinances, and regulations. When multiple standards apply, Contractor shall comply with the more stringent standard. Contractor shall comply with Title VI of the Civil Right Act of 1964, with Section V of the Rehabilitation Act of 1973, and with all applicable requirements of federal, state, and City civil rights and rehabilitation statutes, ordinances, rules and regulations. Contractor also shall comply with Americans with Disabilities Act of 1990 (Pub L No. 101-336), ORS 659.425, and all regulations and administrative rules established pursuant to those laws. Contractor also agrees to comply with ADA in its employment practices, and it shall perform its contractual obligations consistently with ADA requirements and regulations, state law, and applicable regulations.

105.0.05 BUREAU OF LABOR & INDUSTRIES (BOLI) & DAVIS BACON PREVAILING WAGE LAWS

- If federal dollars are in part funded for this Project, federal Davis Bacon Wage laws (Davis-Bacon Act (40 U.S.C. 3141 et seq.) and Oregon State prevailing wage laws are applicable. Contractor shall pay workers in each trade or occupation the higher of the applicable federal prevailing wage rate or applicable State prevailing wage rate. Contractor and any Subcontractors shall post the prevailing wage rates and fringe benefits as required by ORS 279C.840.
- Contractor shall furnish weekly to the City of Coburg, attention: Public Works Director or designee, certified statements, in writing, on a form prescribed by the Commissioner of the Bureau of Labor, certifying: (a) the hourly rate of wage paid each worker whom the contractor or the subcontractor has employed upon the public works; and (b) that no worker employed upon the public works has been paid less than the prevailing rate of wage or less than the minimum hourly rate of wage specified in the contract. If the Contractor has not filed the certified statements as required under this contract, the City of Coburg shall retain 25% of any amount earned by the Contractor until the Contractor has complied. The City of Coburg shall pay the Contractor the amount retained under this subsection within 14 days after the Contractor has filed the certified statements with the City.
- Contractor shall allow the Bureau of Labor and Industries (including federal officials if applicable) to enter the office or business establishment of Contractor at any reasonable time to determine whether the prevailing rate of wage is actually being paid and shall make payment records available to Bureau of Labor and Industries (BOLI) on request. Contractor shall require Subcontractors to provide the same right of entry and inspection.
- City will not make final payment unless the prevailing wage rate certifications are received.
- Contractor must comply with all laws and regulations relating to prevailing wages, whether or not set out in this Contract. Contractor is to use the most current Prevailing Wage Rates for Public Contracts in Oregon including any amendments to the prevailing rates at time of contract initiation. Further information regarding prevailing wages, including requirements applicable to Contractor, is available at: http://www.oregon.gov/boli/WHD/PWR/Pages/pwr_state.aspx Information is also available by contacting BOLI @ 971-673-0839. See also BOLI requirements in the Contract document.

105.0.06 FIRST-TIER SUBCONTRACTOR DISCLOSURE – ORS279C.370

Contractor must submit a First-Tier Subcontractor's Disclosure form (part of bid documents) within two hours of the bid date and time. The First-Tier Subcontractor's form shall list those subcontractors that furnish labor in excess of 5% of bid price (must be at least \$15,000). Subcontractors with amounts over \$350,000 must be submitted regardless of the percentage. The City will submit this list to BOLI - Contractor cannot alter this list without BOLI's approval. The form is available in the bid document package.

106 SAFETY

The City of Coburg or City Engineer are not responsible to provide design and construction review services relating to the Contractor's safety precautions or to means, methods, techniques, sequences or procedures required for the Contractor to perform his/her work.

The Contractor will be solely and completely responsible for conditions of the work site, including safety of all persons and property during performance of the work. This requirement will apply continuously and not be limited to normal working hours. Safety provisions shall conform to all applicable State, County, and local laws, ordinances and codes, and to the current safety regulations as set forth in all applicable Oregon Safety Codes.

The Contractor shall also comply with "U.S. Department of Labor Occupational Safety and Health Act" (OSHA), the "Construction Safety Act" administered by the U.S. Department of Labor, the "Manual of Accident Prevention in Construction" published by the Associated General Contractors of America, and the "Manual on Uniform Traffic Control Devices", except where these are in conflict with state laws, in which case the more stringent requirements shall be followed.

The Contractor shall maintain at his/her office or other well-known place at the work site, all articles necessary for giving first-aid to the injured, and shall establish the procedure for the immediate removal to a hospital or a doctor's care of all persons (including employees) who may be injured on the work site.

The duty of the City Engineer to conduct construction review of the Contractor's performance is not intended to include review of the adequacy of the Contractor's safety measures in, on, or near the construction site.

If death or serious injuries or serious damages are caused, the accident shall be reported immediately by telephone or messenger to both the City Engineer and the City of Coburg. In addition, the Contractor must promptly report in writing to the City Engineer all accidents whatsoever arising out of, or in connection with, the performance of the work whether on, or adjacent to, the site, giving full details and statements of witnesses.

If any claim is made by anyone against the Contractor or any Subcontractor on account of any accident, the Contractor shall promptly report the facts in writing to the City Engineer, giving full details of the claim.

107 PROTECTION OF PROPERTY

The Contractor shall adopt every practical means and comply with all laws, ordinances, and regulations in order to minimize interference to traffic and inconveniences, discomfort, and damage to the public, including the provision of adequate dust control measures. All obstructions to traffic shall be guarded in accordance with the "Manual on Uniform Traffic Control Devices."

The Contractor shall not trespass upon private property and shall be responsible for all injury or damage to persons or property, directly or indirectly, resulting from his/her operations in completing this work. He/she shall comply with the laws and regulations of the City of Coburg, County and State, relating to the safety of persons and property, and will be held responsible and required to make good any injury or damage to persons or property caused by carelessness or neglect on the part of the Contractor or Subcontractor(s), or any agent or employee of either during the progress of the work and until its final acceptance.

The Contractor shall protect against injury any pipes, conduits, utilities, lawns, gardens, shrubbery, trees, fences, or other structures or property, public and/or private, encountered in this work except as stipulated elsewhere herein. The Contractor shall be responsible and liable for any damage to such pipe, structure, and property.

The Contractor shall protect this work and materials from damage due to the nature of the work, the elements, carelessness of other contractors, or from any cause until the completion and acceptance of the work. All loss or damages arising out of the nature of the work to be done under the terms of these Contract Documents, or from any unforeseen obstruction or defects which may be encountered in the prosecution of the work, or from the action of the elements, shall be sustained by the Contractor.

In an emergency affecting the safety of life or of the work or of adjoining property, the Contractor, without special instruction or authorization from the City Engineer, is hereby obligated to act, at his/her discretion, to prevent such threatened loss or injury; and he/she shall so act, without appeal, if so instructed or

authorized. Any compensation claimed by the Contractor on account of emergency work shall be determined by agreement or as covered under the Section "Change Orders."

108 MATERIALS AND APPLIANCES

Unless otherwise stipulated, the Contractor shall provide and pay for all materials, labor, water, tools, equipment, light, power, transportation, and other facilities necessary for the execution and completion of the work.

Unless otherwise specified, all materials shall be new of USA domestic manufacture and/or foreign manufacture (defined as manufactured outside of the USA) that meets all the ASTM, APWA, Federal Requirements, State Code Requirements, Local City and County Code Requirements that are applicable for the specific materials supplied; and that both the workmanship and materials be of good quality. If the Project is designated as part of a Federal Grant, Contractor will comply to the "Buy America" requirements in all respects. The Contractor shall, if required, furnish satisfactory evidence as to the kind and quality of the materials.

All materials and equipment shall be applied, installed, connected, erected, used, cleaned and conditioned in accordance with the instructions of the applicable manufacturer, fabricator or processors, except as otherwise provided in the Contract Documents.

Substitution and "Or-Equal" Products – Submittals: Whenever material or equipment are specified or described in the Contract Documents by using the name of a particular manufacturer or supplier, the naming of the item is intended to establish the type, function, and quality required and If the specifications, law, ordinance or applicable rules or regulations permit Contractor to furnish or use a substitute that is equal to any material or equipment specified and if Contractor wishes to furnish to use a proposed substitute, he or she shall make written application to City Engineer for approval of such a substitute certifying in writing that the proposed substitute will perform adequately the functions called for by the general design, be similar and of equal substance to that specified and be suited to the same use and capable of performing the same function as that specified; stating whether or not its incorporation in or use in connection with the project is subject to the payment of any license fee or royalty; and identifying all variations of the proposed substitute from that specified and indicating available maintenance service. No substitute shall be ordered or installed without the written approval of City Engineer who will be the judge of equality and may require Contractor to furnish such other data about the proposed substitute, as he or she considers pertinent. No substitute shall be ordered or installed without such performance guarantee and bonds as City of Coburg may require which shall be furnished at Contractor's expense.

Sufficient information on the proposed substitution must be provided by Contractor to the City Engineer to allow the Engineer reasonable time to determine that the material or equipment proposed is equivalent or equal to the named manufacturer's material or equipment. The proposed substitutes or "or equal" shall be submitted, including other equipment that has been specified in the contract documents, to the City Engineer for approval in conformance to the following submittal requirements/procedures/format: (1) The burden of proof as to the type, function, and quality of any substitute material or equipment shall be upon the Contractor; (2) The Engineer shall be the sole judge as to the type, function, and quality of any such substitute material or equipment, and the Engineer's decision shall be final; (3) The Engineer may require the Contractor to furnish, at the Contractor's sole expense, additional data about the proposed substitute; (4) The Owner may require the Contractor to furnish, at the Contractor's sole expense, a special five-year

performance guarantee or other surety with respect to the substitute material or equipment; (5) Acceptance by the Engineer of a substitute item proposed by the Contractor shall not relieve the Contractor of the responsibility for full compliance with the Contract Documents and the adequacy of the substitute item; (6) The Contractor shall be responsible for resultant changes and all additional costs (including redesign) which the accepted substitution requires in the Contractor's Work; (7) The evaluation and acceptance of the proposed substitute shall not prejudice the Contractor's achievement of substantial completion on time; and (8) Contractor must furnish available maintenance, repair and replacement costs for the substituted equipment.

In selecting and/or approving equipment for installation in the project, the City of Coburg and City Engineer assume no responsibility for injury or claims resulting from failure of the equipment to comply with applicable National, State, and Local safety codes or requirements, or the safety requirements of a recognized agency, or failure due to faulty design concepts, or defective workmanship and materials. The City reserves the right to reject any materials that cannot be certified to meet the applicable codes for the specific product or reject those materials that did not meet the specifications in the Contract Documents; the Contractor will remove and replace such materials with no cost to the City.

108.1.00 MATERIALS FURNISHED BY THE CITY OF COBURG

All materials and/or services furnished by the City of Coburg shall be obtained by the Contractor as indicated in these Contract Documents. The cost of handling and placing City of Coburg furnished materials shall be included in the price paid for the Agreement item involving such material.

108.2.00 SAMPLES, TESTING, AND INSPECTION

All materials to be incorporated in the work shall be subject to sampling, testing, and approval. Samples furnished by the Contractor shall be representative of the materials to be used. The City Engineer may select samples or may require that samples to be delivered to and tested as required by the Specifications at the laboratory of the City Engineer, at no additional cost to the City of Coburg.

All sampling and testing of materials shall be done in accordance with the latest designated standard methods of AASHTO, ASTM, etc., or in accordance with special methods designated in the Specifications.

The Contractor shall furnish, without extra charge, the necessary test pieces and samples, including facilities and labor for obtaining the same, as requested by the Engineer. When required, the Contractor shall furnish certificates of tests of materials and equipment made at the point of manufacture by a recognized testing laboratory. The City Engineer and his/her representatives and authorized representatives of public agencies shall at all times have access to the work wherever it is in preparation or progress, and the Contractor shall provide facilities for such access and for inspection, including maintenance of temporary and permanent access routes.

If the Specifications, laws, ordinances, or any public authority require any work to be specially tested or approved, the Contractor shall give the City Engineer timely notice of its readiness for inspection. If the inspection is by authority other than the City Engineer's, the City Engineer shall be given timely notice of the date fixed for such inspection. Inspections by the City Engineer will be promptly made, and where practicable, at the source of supply. If any work should be covered without approval or consent of the City Engineer, it shall, if required by the City Engineer, be uncovered for examination at the Contractor's expense.

Re-examination of questioned work may be ordered by the Engineer; and, if so ordered, the work shall be uncovered by the Contractor. If such work is found not in accordance with the Contract Documents, the Contractor shall correct the defective work at no additional cost to the City of Coburg.

Neither observations by City Engineer nor inspections, tests, or approvals by persons other than the Contractor shall relieve Contractor from his/her obligations to perform work in accordance with requirements of the Contract Documents.

108.3.00 CONTRACTOR'S RESPONSIBILITY FOR MATERIALS

108.3.01 Responsibility For Material Furnished By Contractor

The Contractor shall be responsible for all materials furnished by him/her. All such material shall be examined by a City Representative and any material not meeting Specifications, or that is defective in manufacture, or that has been damaged after delivery, shall be replaced by the Contractor at his/her expense.

108.3.02 Responsibility for Material Furnished By City

The Contractor's responsibility for material furnished by the City shall begin upon Contractor's acceptance at the point of delivery to him/her. All such material shall be immediately examined, and material

defective in manufacture and/or otherwise damaged shall be rejected by the Contractor at the time and place of delivery to him/her, to be replaced by the City. Once accepted by the Contractor, defective and/or damaged material discovered prior to final acceptance of the work shall be removed by the Contractor and he/she shall replace, at his/her own expense, the defective material. In such case the Contractor shall furnish all labor, equipment and material incidental to replacement and necessary for the completion of the work to the satisfaction of the Engineer.

108.4.00 CONSTRUCTION STAKING

Registration - Responsibility

The purpose of this section is to define the responsibilities for construction surveying. All survey work shall be conducted by or under the supervision of a Registered Professional Land Surveyor or Professional Engineer, licensed in the State of Oregon. **The Contractor will be responsible for providing all construction staking as required to complete the work.**

Staking – Scope - Methodology

Construction stakes and stakes which are reference points for construction work shall be conspicuously marked. It shall be the responsibility of the Contractor to inform his/her employees and his/her Subcontractors of their importance and the necessity for their preservation.

Construction staking shall be provided at 50-foot intervals on tangent and 25-foot intervals on curve. The guard stakes should contain the following information:

- Engineer's station (on back)
- Offset from line (circled)
- Offset from control point (circled)
- Cut or fill to grade
- Distance right or left from centerline on curb stakes (on back)

Flagging Code for Staking

A color code may be established during the course of the project indicating specific colors for the various kinds of stakes to be set.

Staking Sewer Lines

Both gravity and pressure sewer lines shall be construction staked by means of an offset line with pipe invert cut information provided. Finish grades shall be provided as required.

Manholes shall have two reference points (swing-ties) indicating the center of the manhole, flow invert elevation, and finish grade. Upon the completion of sub-grade, the top of the manhole shall be staked with the finish grade and elevation by means of four offset stakes in a cross pattern so that the street slope and cross slope will be matched perfectly. Services shall be staked as required by the Engineer.

Staking Water Lines

Waterlines shall be staked by means of a horizontal offset line at the appropriate intervals.

Fire hydrants shall have two reference points (swing-ties) indicating the center of the fire hydrants. Finish grades shall be provided as required. Services shall be staked as required by the Engineer.

Staking Streets

Prior to commencing construction, clearing limits shall be established.

Where a significant (greater than 3-foot) cut or fill is required for sub-grade, slope stakes and construction staking for sub-grade will be provided.

Curb line shall be staked by means of an offset line no more than 6-feet offset from the face of curb, showing the cut or fill to the finish work. Said stakes shall be protected and saved for a period of five (5) working days after construction of curbs to enable the Inspector to approve the alignment and grade. In addition to the above staking requirements, catch basins, points of curvature and tangency, and ends of curb radii shall be provided with a curb stake.

Base rock shall be staked by painting an appropriate target on the curb and providing construction stakes (blue tops) on centerline. On streets of 48-feet or greater width, blue tops will also be required at the quarter points. Blue tops will also be provided at the gutter line for the centerline and gutter lines of any intersecting street.

Staking Structures

All structures shall be staked to the line and grade as shown on the plans or as directed by the Engineer.

109 CONTRACT LEGALITIES

109.1.00 PERMITS AND LICENSES

The Contractor shall keep himself/herself fully informed of all local ordinances. State and Federal laws, ordinances and regulations, in any manner affecting the work herein specified. He/she shall, at all times, comply with said ordinances, laws, and regulations, and protect and indemnify the City of Coburg and officers and agents against any claim or liability arising from or based on the violation of such laws, ordinances, or regulations. Permits and licenses of a temporary or construction nature including government charges and inspection fees necessary for the prosecution of the work shall be secured and paid for by the Contractor. Easements and right-of-ways shall be secured and paid for by the City of Coburg, unless otherwise stipulated in the plans and specifications. Further defined as follows:

Contractor Permits and Licenses – Contractor Shall:

- Obtain all necessary permits and licenses, except those noted below by City;
- Pay all applicable charges, fees and taxes, except those noted below by City;
- Give all notices required by applicable laws, or under the terms of the Contract;
- Obtain all building specialty work permits: ex: heating, ventilation, air conditioning, electrical, etc.
- Comply with ORS 274.530 relating to lease of stream beds by Oregon Div. of State Lands;
- License, in the State of Oregon, all vehicles subject to licensing;
- Comply with ORS 477.625 and ORS 527.670 relating to clearing & fire hazards on forest lands; &
- Comply with all orders and permits issued by a governmental authority, whether local, State, or federal.

City Permits and Licenses – City Shall:

- Obtain necessary Rights-of-Way permits – except unless required to be obtained in the name of the Contractor;
- Obtain permits required for crossing or encroaching upon navigable streams;
- Obtain permits required for removing materials from or depositing materials in waterways;
- Obtain permits required for operating in City-controlled source of Materials or disposal area;
- Pay the City's System Development Charges (SDC's);
- Obtain building construction permits, not including specialty work as noted above; and
- Obtain environmental permits, including erosion control permits.

109.2.00 ROYALTIES AND PATENTS

The Contractor shall pay all royalty and license fees. He or she shall defend all suits or claims for infringement of any patent rights and shall save the City of Coburg harmless from loss on account thereof, except that the City of Coburg shall be responsible for all such loss when a particular process or the product of a particular manufacturer or manufacturers is specified; but if the Contractor has information that the process or article specified is an infringement of a patent, he/she shall be responsible for such loss unless he/she promptly gives such information to the City Engineer or City of Coburg.

109.3.00 TAXES AND CHARGES

The Contractor agrees to withhold and pay any and all withholding taxes, whether State or Federal, sales tax, and to pay all Social Security charges and also all State Unemployment Compensation charges, and to pay or cause to be withheld, as the case may be, any and all taxes, charges, or fees or sums whatsoever which are now or may hereafter be required to be paid or withheld under any laws.

109.4.00 HOLD HARMLESS

Contractor shall defend, indemnify, and hold the City, its officers, agents and employees, harmless against all liability, loss, or expenses, including attorney's fees, and against all claims, actions or judgments based upon or arising out of damage or injury (including death) to persons or property caused by or resulting from any act or omission sustained in connection with the performance of the Contract/Agreement or by conditions created thereby, or based upon violation of any statute, ordinance or regulation or related to the following:

- Any accident or occurrence which happens or is alleged to have happened in or about the Project Site or any place where the Work is being performed, or in the vicinity of either, at any time prior to the time the Work is fully completed in all respects.
- Any failure of the Contractor to observe or perform any duty or obligation under the Contract Documents which is to be observed or performed by the Contractor, or any breach of any agreement, representation or warranty of the Contractor contained in the Contract Documents or in any subcontract.
- The negligent acts or omissions of the Contractor, a subcontractor or anyone directly or indirectly employed by them or any one of them or anyone for whose acts they may be liable, regardless of whether or not such claim, damage, loss of expense is caused in part by a party indemnified hereunder.
- Any lien filed upon the project or bond claim in connection with the Work.

In claims against any person or entity indemnified under this Subsection by an employee of the Contractor, a Subcontractor, anyone directly or indirectly employed by them or anyone for whose acts they may be liable, the indemnification obligation under this Subsection shall not be limited by a limitation or amount or type of damages, compensation or benefits payable by or for the Contractor or a Subcontractor under workers' compensation acts, disability benefits acts or other employee benefit acts.

109.5.00 UNFORESEEN DIFFICULTIES

The Contractor shall protect his/her work and materials from damage due to the nature of the work, the elements, carelessness of other contractors, or from any cause whatever until the completion and acceptance of the work. All loss or damage arising out of a nature of the work to be done under these Contract Documents, or from any unseen obstruction or defects which may be encountered in the prosecution of the work, or from the action of the elements shall be sustained by the Contractor.

109.6.00 CONTRACTOR'S RIGHT TO STOP WORK OR TERMINATE CONTRACT

If the work should be stopped under an order of any court or other public authority for a period of three (3) months, through no act or fault of the Contractor or of anyone employed by him/her; or if the City Engineer should fail to issue any estimate for payment within thirty (30) days after it is due; or if the City of Coburg should fail to pay the Contractor within thirty (30) days after the time specified in the paragraph "Partial Payment" of the Section "Payment" any sum certified by the City Engineer, then the Contractor may, upon fifteen (15) days written notice to the City of Coburg and the City Engineer, stop work or terminate this Agreement and recover from the City of Coburg payment for all work executed and any loss sustained upon any plant or material and reasonable profit and damages, unless said default has been remedied within said time.

109.7.00 WARRANTIES

All work shall be guaranteed for a period of one (1) year against defects in materials and workmanship. Contractor unconditionally warrants all work and materials for this Project, including additional work authorized under change orders, against any defects whatsoever, for one (1) year from the date of acceptance by the City of Coburg, except that manufacturers' warranties and extended manufacturer warranties as specified in the contract documents or otherwise is a standard manufacturer product warranty shall not be abridged – such unexpired manufacturer warranties and guarantees shall be transferred to and enforceable by the City of Coburg. In addition to its right to proceed on the warranty, the City may recover for breach of contract or negligence even if defects do not become evident during the warranty period. The Contractor also agrees to hold the City of Coburg harmless from claims of any kind arising from damage due to said defects. In addition:

- Contractor shall perform all work in accordance with all specifications for the Project and warrants that all completed work meets all Project specifications, correcting any work at his/her own expense not in compliance with specifications, and for all repairs of damage to other improvements, natural and artificial structures, systems, equipment, and vegetation caused by, or resulting in whole or in part from occurrences beginning during the warranty period and are the result of defects in construction of materials installed under the contract. Contractor shall be responsible for all costs associated with site cleanup and remediation caused by, or resulting in whole or in part from, defects in its work or materials.
- Within ten (10) calendar days of the City's written notice of defects, Contractor or Contractor's Surety shall start repair of the defects and all related damage. If Contractor or Contractor's Surety fails to correct and repair the defects in a timely manner, the City may have the correction and repair done by others. Contractor or Contractor's Surety shall promptly reimburse the City for all expenses incurred to correct and repair the defects.
- In case of emergency where delay could result in serious loss or damage, the City may make emergency corrections and repairs, without written notice. Contractor or Contractor's Surety shall promptly reimburse the City for all expenses incurred to correct and repair the defects.
- All work done to comply with the warranty shall itself be warranted for one year beginning on the date of the City's acceptance of the corrections, repairs, replacements or changes.
- The warranty provision shall survive expiration or termination of the Contract.

109.8.00 RELEASE OF LIENS

On public projects, neither the final payment nor any part of the retained percentage shall become due until the Contractor submits to the City of Coburg a signed affidavit, satisfactory to the City of Coburg, stating that so far as he/she (the Contractor) has knowledge or information, all accounts for materials, labor, and incidentals in connection with the work have been paid in full. The form of affidavit shall be satisfactory to the City of Coburg. If any lien remains unsatisfied after all payments are made, the Contractor shall refund to the City of Coburg all monies that the latter may be compelled to pay in discharging such a lien, including all costs and a reasonable attorney's fee.

109.9.00 CONTRACTOR'S AND MANUFACTURER'S COMPLIANCE WITH STATE, OSHA, AND OTHER CODE REQUIREMENTS

The completed work shall include all necessary permanent safety devices such as machinery guards and similar ordinary safety items required by the State and Federal (OSHA) industrial authorities and applicable local and national codes. Further, any features of the work (including City of Coburg selected equipment) subject to such safety regulations shall be fabricated, furnished, and installed in compliance with these requirements. Contractors and manufacturers of equipment shall be held responsible for compliance with the requirements included herein.

109.10.00 BOND REQUIREMENTS

109.10.01 BID SECURITY - BID BOND

When so designated by the Project Manager/City Engineer, in the Contract Documents, and or as advertised, the Contractor shall furnish a certified check, cashier's check, or surety bond in the amount of 5% of their bid price to guarantee their bid price for the project designated in these documents. In the event Contractor will not honor their bid price, if chosen for the project, the bid bond will be forfeited to the City. If the certified check, cashier's check or surety bond in the amount of 5% (or more) of the bid price is not submitted with the bid, the bid will be rejected.

109.10.02 PAYMENT AND PERFORMANCE BONDS

Contractor, prior to the execution of the contract, shall provide a separate Payment Bond and a separate Performance Bond in a form acceptable to the City of Coburg. Each bond shall be equal to 100% of the contract amount. The Payment Bond and Performance Bond must be signed by the Surety's Attorney-in-Fact, and the Surety's seal must be affixed to each bond. Bonds shall not be canceled without the City of Coburg's consent, nor will the City release them prior to Contract completion. Bonds must be originals – faxed or photocopied bond forms will not be accepted.

109.10.03 PUBLIC WORKS BOND

Contractor will file with the Construction Contractor's Board (CCB) a Public Works Bond with a corporate surety authorized to do business in the State of Oregon in the amount of \$30,000 prior to starting work on the project. Contractor will make themselves aware of the provisions of ORS 279C.600 and ORS 279C.605 relating to notices of claim and payment of claims on Public Works Bonds.

109.10.04 WARRANTY BOND – SUPPLEMENTAL WARRANTY PERFORMANCE BOND

Contractor will furnish a warranty bond, from its Surety, as a guaranty of the Contractor's performance of its warranty obligations; And if the Project requires a coating system, a coating system warranty (reservoir tanks, etc.) is required, in addition to the regular Performance Bond in the sum of 80% of the full contract amount. The bond is to secure the performance by the Contractor of correction work on any coating system defects that the Contractor may be directed by the City of Coburg to perform. Upon Third Notification, the supplemental warranty performance bond shall become effective and shall continue in full force and effect until the City of Coburg has advised the Contractor that: (1) There are no coating system defects; or (2) If the Contractor has been notified that there are coating system defects, the defects have been repaired by the Contractor to the satisfaction of the City as specified under the coating system warranty and the full warranty period has expired.

110 PROGRESS OF THE WORK

110.1.00 BEGINNING OF THE WORK

Before work shall be started and materials ordered, the Contractor shall meet and consult with the City Engineer relative to materials, equipment, and all arrangements for prosecuting the work. The Contractor shall commence the work contemplated under these Contractor Documents within three (3) days after the City of Coburg's written notice to proceed unless otherwise notified by the City Engineer, and shall complete the work within the time specified in the Agreement, it being expressly understood and agreed that the time of beginning, rate of progress, and time of completion of the work are of the essence of this Agreement.

110.2.00 PROSECUTION OF THE WORK

The work shall be prosecuted at such time, and in or on such part or parts of the project as may be required, to complete the project as contemplated in the Contract Documents. Time/schedule/completion is as set forth in the contract. Upon starting construction, the Contractor shall diligently and continuously pursue completion of the work with adequate crew and equipment. Should the Contractor, without the express approval of the Engineer, reduce his/her effort, it shall be considered a failure of the Contractor to complete the work in the time agreed upon. As such it shall fall under the provisions of 110.9.00 LIQUIDATED DAMAGES and liquidated damages may be assessed for each day of reduced operations. It is expressly understood and mutually agreed between all parties to the Agreement that the City Engineer shall not determine or be responsible for construction methods.

The Contractor shall perform the work and take such precautions as he/she may deem necessary to complete the project so all work will be in conformance with the Contract Documents/specifications within the Contract time.

If the Contractor desires to carry on work at night or outside the regular hours, he/she may submit application to the City Engineer; but he/she shall allow ample time to enable satisfactory arrangements to be made for inspecting the work in progress. If granted permission, he/she shall light the different parts of the work in a manner satisfactory to the City Engineer and shall comply with all regulations of the City or State or other public body having jurisdiction.

The Contractor shall complete the work called for under the contract in all parts and requirements within the number of workdays, or before the completion date, as set forth in the contract.

The Contract workday requirement shall take precedence over other completion dates that may be referred to in these documents.

Where such case applies, a notice to proceed may be issued to the Paving Contractor when individual streets have been constructed and approved for base rock by the Engineer. Once the base rock has been delivered and spread, it shall be the Paving Contractor's responsibility to maintain the surface, including blading and watering as may be required. It is the intent of these Specifications that paving commence immediately following the placement of base rock.

110.3.00 COOPERATION WITH UTILITIES

The Contractor is responsible for coordinating with utility owners. Before the Contractor performs any excavation he/she is to contact the Oregon Utility Notification Center at 1-800-332-2344 at least forty-eight (48) hours prior to excavation. Subject to the Engineer's approval, the Contractor may adjust the Utilities by asking the Utility owners to move, remove, or alter their facilities in ways other than as shown on the Plans or in any Supplemental Specifications. The Contractor shall conduct all negotiations, make all arrangements, and assume all costs that arise from such changes. The Contractor shall conform to the requirements of ORS 757.541 through 757.993 and with the rules of the Oregon Utility Notification Center, OAR 952-001-0010 through OAR 952-001-0090. The Contractor may contact the Oregon Utility Notification Center at 503-232-1987 about these rules.

110.4.00 MAINTAINING TRAFFIC

The Contractor shall adopt reasonable means and comply with all laws, ordinances, and regulation in order to minimize interference to traffic; be responsible to maintain two-way traffic at all times unless otherwise specified. The streets shall be open for two-way traffic at all times when the Contractor is not performing work unless otherwise specified. Approaches to all properties accessing to the project shall be maintained by the Contractor at all times except for short periods necessary to the progress of the construction. Contractor, in addition, shall provide adequate noise control and control all obstructions to traffic in accordance with the manual on uniform traffic control devices if applicable.

110.4.01 PUBLIC SAFETY AND CONVENIENCE

The Contractor shall conduct the project with proper regard for the safety and convenience of the public. When the project involves use of public ways, the Contractor shall provide certified Flaggers when directed, a temporary traffic control plan approved by the City Engineer, and install and maintain means of free access to all fire hydrants, service stations, warehouses, stores, houses, garages and other property.

Private residential driveways shall be closed only with approval of the Engineer or specific permission of the property owner. The Contractor shall not interfere with normal operation of public transit vehicles unless otherwise authorized. The Contractor shall not obstruct or interfere with travel over any public street or sidewalk without approval. Where detours are necessary, they shall be maintained with good surface and shall be clearly marked. The Contractor shall provide open trenches and excavations with adequate barricades of an approved type, which can be seen from a reasonable distance. At night, the Contractor shall backfill all open work and mark areas with signs and lighted barricades (Type A Low Intensity Flashing Warning Light on a Type I or II barricade, typical) in accordance with the MUTCD. The Contractor shall install and maintain all necessary signs, lights, flares, barricades, railings, runways, stairs, bridges and facilities. The Contractor shall observe all safety instructions received from the Engineer or governmental authorities, but following of such instructions shall not relieve the Contractor from the responsibility or liability for accidents to workers or damage or injury to person or property.

Emergency traffic such as police, fire and disaster units shall be provided reasonable access to the work area at all times. The Contractor shall be liable for any damages, which may result from failure to provide such reasonable access or failure to notify the appropriate authority.

110.4.02 PUBLIC SAFETY – USE OF EXPLOSIVES

Contractor shall comply with all Laws pertaining to the use of explosives. The Contractor shall notify anyone having facilities near the Contractor's operations of Contractor's intended use or storage of

explosives. The Contractor shall be responsible for all damage resulting from its own, its agents and employees; and its Subcontractors' use of explosives.

110.5.00 ASSIGNMENT

Contractor shall not assign or transfer its interests in the Contract without written consent of City, which consent may be withheld in the City's sole, subjective discretion; nor shall the Contractor assign any monies due or to become due to him/her hereunder without the previous written consent of the City of Coburg.

110.6.00 CITY OF COBURG'S RIGHT TO DO WORK

If the Contractor should, in the opinion of the City Engineer, neglect to prosecute the work properly or should neglect or refuse at his/her own cost to take up and replace work that has been rejected by the City Engineer, then the City of Coburg shall notify the Surety of the condition and after ten (10) days written notice to the Contractor and the Surety, or without notice if an emergency or danger to the work or public exists, and without prejudice to any other right which the City of Coburg may have under the Agreement, take over that portion of the work which has been improperly executed and make good the deficiencies and deduct the cost thereof from the payments then or thereafter due the Contractor.

110.7.00 CITY OF COBURG'S RIGHT TO TERMINATE AGREEMENT

According to the City's procedure, and upon the Engineer's recommendation that sufficient cause exists, the City, without prejudice to any of its other rights or remedies and after giving the Contractor and the Contractor's Surety ten (10) calendar days' written notice may terminate the Contract and take possession of the materials and equipment in accordance with the Contract section titled "Termination of Contract and Substituted Performance" - this section is in force for this Project.

110.8.00 DELAYS AND EXTENSION OF TIME

If the Contractor shall be delayed at any time in the progress of the work by any act or neglect of the City of Coburg or the City Engineer, or of any employee of either; or by any separate contractor employed by the City of Coburg; or by changes ordered in the work; or by strikes, lockouts, fire, unavoidable casualties, or any cause beyond the Contractor's control which justified the delay, or by delay authorized in writing by the City Engineer, then the date for completion of the work shall be extended. Within 14 days after the Contractor submits to the City Engineer a written request for an extension of time, the City Engineer will determine the number of days extension due to the Contractor. The City of Coburg will make the final decision on all requests for extension of time.

No such extension shall be made for delays occurring more than seven (7) days before claim therefore is made in writing to the City Engineer. In case of a continuing cause of delay, only one claim is necessary.

If no schedule or agreement stating the date upon which supplemental drawings shall be furnished by the City Engineer is made, then no claim for delay shall be allowed the Contractor on account of failure to furnish drawings until two (2) weeks after demand for such drawings, and not then unless such claim be reasonable. No extension of time will be granted to the Contractor for delays occurring to parts of the work that have no measurable impact on the completion of the total work under this Agreement.

No extension of time will be considered for weather conditions normal to the area in which the work is being performed. Unusual weather conditions, if determined by the City Engineer to be of a severity that would stop all progress of the work, may be considered as cause for an extension of Agreement completion time.

Delays in delivery of equipment or material purchased by the Contractor or his/her Subcontractors (including City of Coburg selected equipment) shall not be considered as a just cause for delay. The Contractor shall be fully responsible for the timely ordering, scheduling, expediting, delivery, and installation of all equipment and materials.

The contract time may only be changed by a Change Order.

110.9.00 LIQUIDATED DAMAGES

CONTRACTOR recognizes and acknowledges that the City will incur significant additional expenses and costs in staff time, administration and overhead ("Additional Internal Costs") as a result of any delay by Contractor in completing all work by the completion date established by this contract. Contractor agrees that it is liable for the City's Additional Internal Costs resulting from any delay in completion of the work. Contractor recognizes that, in addition to Additional Internal Costs, the City will incur additional costs and expenses as a result of any delay in completion of all work under this contract as the result of the necessity for City to retain other contractors, consultants and engineering and/or design firms ("Additional External Costs") in the event of any delay in completion of the Work. Contractor agrees that it is liable for the City's Additional External Costs resulting from any delay in completion of the work. In addition, City will incur additional costs in the event of delay in completion of work under this contract because City would be unable to utilize the new facility to be constructed under this contract or to utilize services to be provided under this contract. ("Loss of Use" costs.) Contractor agrees that it is liable to City for Loss of Use costs resulting from a delay in completion of the work. The City and Contractor agree that the amount of damages resulting from a delay in completion of the work is uncertain and in an amount of damages that will be difficult to prove. The Contractor and the City agree that it is appropriate to liquidate damages in advance, due to the uncertain nature of the amount of damages that City will incur in the event that Contractor fails to complete all work by the scheduled completion date. Contractor is required to provide public facilities and/or services that are vital to the health, safety and welfare of the general public. City's costs for protecting the health, safety and welfare in the event that the work is not completed by the scheduled completion date will be substantial. Contractor and City agree that the amount of liquidated damages provided by this contract is reasonable, specifically bargained for, and not a penalty. Contractor further agrees that it will not challenge the amount or the imposition of these damages in any action seeking to enforce these damages.

It is agreed that the amount of such additional expense and damage incurred by reason of failure to complete the work by the designated completion date shall be \$1,000.00 (one thousand dollars) for each workday the work exceeds the number of workdays specified.

The City of Coburg is authorized to deduct the amount of such damages from any monies due the Contractor for work performed or material furnished under this Agreement; and the Contractor and his/her Sureties shall be liable for any excess.

110.10.00 OTHER CONTRACTS

The City of Coburg reserves the right to let other contracts in connection with this work. The Contractor shall afford other contractors reasonable opportunity for the introduction and storage of their materials and execution of their work and shall properly connect and coordinate his/her work with theirs.

If any part of the Contractor's work depends, for proper execution or results, upon the work of any other contractor, the Contractor shall inspect and promptly report to the City Engineer any defects in such work that render it unsuitable for such proper execution and results. His/her failure to so inspect and report shall constitute an acceptance of the other contractor's work as fit and proper for the reception of his/her work, except as to defects which may develop in the other contractor's work after execution of his/her work.

110.11.00 USE OF PREMISES

City of Coburg shall furnish, as indicated in the Contract Documents and not later than the date when needed by Contractor, the lands upon which the work is to be done, rights-of-way for access thereto, and such other lands which are designated for the use of Contractor. Easements for permanent structures or permanent changes in existing facilities will be obtained and paid for by the City of Coburg, unless otherwise specified in the Contract Documents. If Contractor believes that any delay in City of Coburg furnishing these lands or easements entitles him/her to an extension of the Contract Time, he or she may make claim therefore. The Contractor shall provide for all additional lands and

access thereto that may be required for temporary construction facilities or storage of materials and equipment.

The Contractor shall confine his/her equipment, the storage of materials, and the operation on his/her workmen to limits shown on the plans or indicated by law, ordinances, permits, or directions of the City Engineer, and shall not unreasonably encumber the premises with his/her materials.

110.12.00 USE OF COMPLETED PORTIONS

The City of Coburg shall have the right to take possession of and use any completed or partially completed portions of the work, notwithstanding the time for completing the entire work or such portions, which may not have expired. Such taking possession and use shall not be deemed an acceptance of any work not completed in accordance with the Contract Documents. If such prior use increases the cost of the work, or delays the completion of the work, the Contractor shall be entitled to extra compensation or an extension of time, or both. Should such condition or conditions prevail, the Contractor shall submit his/her claim for additional compensation or extension of time, in writing, to the City Engineer. The City Engineer will review the claim and determine its validity.

110.13.00 CUTTING AND PATCHING

The Contractor shall do all cutting, fitting, or patching of his/her work that may be required to make its several parts come together properly and fit it to receive or be received by work of other contractors shown upon or reasonably implied by the plans.

110.14.00 CLEANING UP

Cleaning up shall be a continuing process from the start of work to final acceptance of the project. The Contractor shall, at all times, at his/her own expense and without further order keep property on which work is in progress free from accumulations of waste material or rubbish caused by employees or by the work, and at all times during the construction period shall maintain structure sites, rights-of-way, adjacent property, and the surfaces of streets and roads on which work is being done in a safe condition for the Contractor's workers, and the public. Accumulation of waste materials that might constitute a fire hazard will not be permitted. Spillage from the Contractor's hauling vehicles on traveled public or private roads and parking areas shall be promptly cleaned up. Upon completion of the construction, the Contractor shall, at his/her own expense, remove all temporary structures, rubbish, and waste materials resulting from his/her operations.

Upon failure of the Contractor to provide cleanup within 24 hours of being so directed by the Engineer in writing, the City, or an agent retained by the City, may complete the cleanup and the cost thereof plus 10% for handling shall be deducted from any payment due the Contractor.

110.15.00 CHANGES IN QUANTITY

The City of Coburg reserves the right to increase or decrease quantities without limit or to omit portions of the work without invalidating said proposal or re-negotiating the unit bid price.

110.16.00 PERFORMANCE TESTING

Operating equipment and systems shall be performance tested in the presence of the City Engineer to demonstrate compliance with the specified requirements. Performance testing shall be conducted under the specified design operation conditions or under such simulated operating conditions as recommended or approved by the City Engineer. Such testing shall be scheduled with the City Engineer at least one (1) week in advance of the planned date for testing and include a factory representative on site.

110.17.00 SUBSTANTIAL COMPLETION DATE

The City Engineer may, at his/her sole discretion, issue a written notice of substantial completion for the purpose of establishing the starting date for specific guarantees, and to establish the date that the City of Coburg will assume the responsibility for the cost of operating such portions of the project. Said notice shall not be considered as final acceptance of any portion of the work or relieve the Contractor from completing the remaining work within the specified time and in full compliance with the Contract Documents. All equipment contained in the work, plus all other components necessary

to enable the City of Coburg to operate the facility in the manner that was intended, shall be complete including acceptable testing as specified in these Contract Documents on the substantial completion date.

The City of Coburg shall have the right to exclude Contractor from the project after the date of substantial completion, but City of Coburg shall allow Contractor reasonable access to complete or correct remaining items of work.

111 PAYMENT

111.1.00 BASIS OF PAYMENT

In consideration of the faithful performance of all the covenants, stipulations, and conditions in these Contract Documents, the City of Coburg will agree to pay the Contractor in the amount bid as adjusted when so stipulated in the Contractor's Proposal on the basis of the unit prices named in the Contractor's Proposal for the work actually performed as determined by the final estimate of the City Engineer, together with any amounts due for extra work not classified under the items listed in the Contractor's Proposal – See Contract terms and conditions

111.2.00 CHANGE ORDERS

Payment or credit for any alterations covered by a Change Order shall be determined by one or a combination of methods set forth in 111.3.03,

111.2.01 UNIT PRICES

If applicable, those unit prices stipulated in the Proposal or unit prices negotiated and mutually acceptable to the Contractor and City of Coburg.

111.2.02 LUMP SUM

A total sum for the work negotiated and mutually acceptable to the Contractor and City of Coburg. may be submitted to the City of Coburg in accordance with 111.2.00 and 111.2.01 Contractor's quotations for Change Orders shall be in writing and firm for a period of forty-five (45) days. Any compensation agreed upon, and subsequently paid by the City of Coburg for work defined in a Change Order shall be deemed to include all costs and expenses related to such work, including the costs and expenses to a direct, indirect, and consequential nature, or otherwise, and it is specifically understood and agreed that no additional compensation may be subsequently sought or charged by the Contractor for the work covered by the applicable Change Order.

The City of Coburg's request for quotations on alterations to the work shall not be considered authorization to proceed with the work prior to the issuance of a formal Change Order, nor shall such request justify any delay in existing work.

111.3.03 FORCE ACCOUNT WORK

If the method of payment cannot be agreed upon prior to the beginning of the work, and the City of Coburg or the City Engineer directs that the work be done by written Change Order or on a force account basis, then the Contractor shall furnish labor, equipment, and materials necessary to complete the work in a satisfactory manner and within a reasonable period of time. For the work performed, payment will be made for the documented actual cost of the following:

- **Labor**, including foremen, who are directly assigned to the force account work: (actual payroll cost, including wages, fringe benefits as established by negotiated labor agreements, labor insurance and labor taxes as established by law). No other fixed labor burden will be considered unless approved in writing by the City of Coburg.
- **Material** delivered and used on the designated work, including sales tax, if paid for by Contractor or his/her Subcontractor.
- **Rental** or equivalent rental cost of equipment, including necessary transportation for items having a value in excess of one hundred dollars (\$100). The current Associated General Contractors of America published equipment rental rates will be the maximum allowable rate.

- Additional **bond**, as required and approved by the City of Coburg.
- Additional **insurance** (other than labor insurance) as required and approved by the City of Coburg.

To costs under 111.3.03 FORCE ACCOUNT WORK, there shall be added the following fixed fees for the Contractor or Subcontractor actually performing the work:

A fixed fee of **fifteen percent (15%)** added to the cost of **labor, materials and rentals**; and

A fixed fee of **six percent (6%)** added to the cost of **bonds and insurance** above.

An additional fixed fee of **ten percent (10%)** shall be allowed the Contractor for the **administrative handling** of portions of the work that are performed by an Approved **Subcontractor**. No additional fixed fee will be allowed for the administrative handling of work performed by a Subcontractor of a Subcontractor unless by written permission from the City of Coburg.

The added fixed fees shall be considered to be full compensation, covering the cost of general supervision, overhead, profit, and any other general expense.

The City of Coburg reserves the right to furnish such materials and equipment, as it deems expedient, and the Contractor shall have no claim for profit or added fees on the cost of such materials and equipment.

For equipment that is rented as specified above, rental or equivalent rental cost will be allowed for only those days or hours during which the equipment is in actual use. Rental and transportation allowances shall not exceed the current rental rates prevailing in the locality. The rentals allowed for equipment will, in all cases, be understood to cover all fuel, supplies, repairs, and renewals, and no further allowances will be made for those items, unless specific agreement to that effect is made.

The Contractor shall maintain his/her records in such a manner as to provide a clear distinction between the direct costs of work paid for on a force account basis and the costs of other operations. The Contractor shall furnish the City Engineer report sheets in duplicate of each day's force account work no later than the working day following the materials used, and shall cover the direct cost of labor and the charges for equipment rental, whether furnished by the Contractor, Subcontractor, or other forces. The daily report sheets shall provide names or identifications and classifications of workers, the hourly rate of pay and hours worked, and also the size, type, and identification number of equipment and hours operated.

Material charges shall be substantiated by valid copies of vendor's invoices for materials used in the alterations covered by Change Orders. Such invoices shall be submitted with the daily report sheets, or, if not available, they shall be submitted with subsequent daily report sheets. Said daily report sheets shall be signed by the Contractor or his/her authorized agent.

To receive partial payments and the final payment for force account work, the Contractor shall submit in a manner approved by the City Engineer, detailed and complete documented verification of the Contractor's and any of his/her Subcontractor's actual current costs involved in the force account work pursuant to the issuance of an approved Change Order. Such costs shall be submitted within thirty (30) days after said work has been performed.

No payment will be made for work billed and submitted to the City Engineer after the thirty (30) day period has expired. No extra or additional work shall be performed by the Contractor, except in an emergency endangering life or property, unless in pursuance of a written Change Order.

111.4.00 CLAIMS

If the Contractor claims that any instructions involve extra cost under this Agreement, he/she shall give the City Engineer and the City of Coburg written notice thereof within forty-eight (48) hours after the receipt of such instructions, and in any event before proceeding to execute the work. If such notification is not given, or if the City Engineer is not afforded proper facilities by the Contractor for

keeping strict account of actual cost, then the Contractor hereby agrees to waive the claim for such additional compensation. Such notice by the Contractor, and the fact that the City Engineer has kept account of the cost as aforesaid, shall not in any way be construed as proving the validity of the claim. Claims for additional compensation shall be made in itemized detail and submitted, in writing, to the City of Coburg and City Engineer within ten (10) days following completion of that portion of the work for which the Contractor bases his/her claim is found to be just. It shall be allowed and paid for as provided in the section covering Change Orders.

Engineer's decision regarding claims: Engineer will render a formal decision in writing 30 days after receipt of the last submittal of the claimant or the last submittal of the opposing party, if any. Engineer's written decision on such Claim, dispute, or other matter will be final and binding upon Owner and Contractor unless: an appeal from Engineer's decision is taken with the time limits. A written notice of intention to appeal against the Engineer's written decision will follow the formal requirements of Section 00199.40 of the 2021 Oregon Standard Specifications.

111.5.00 FINAL PAYMENT

To receive final payment, the Contractor must do the following:

- Notify the City Engineer, in writing, that he/she has completed his/her work in accordance with the Contract Documents and request final payment.
- Submit to the City of Coburg appropriate waivers of lien for itself and all Subcontractors and a signed affidavit, satisfactory to the City of Coburg, stating that so far as he/she has knowledge or information, all accounts for materials, labor, and incidentals in connection with the work have been paid in full.
- On agreements for public works, furnish to the City of Coburg a completed wage certification as required by ORS 279, as amended.

Within fifteen (15) days of written notice from the Contractor that the work has been completed, the City Engineer shall conduct a final inspection of the work. If the work has been completed to the satisfaction of the City Engineer, he/she shall submit a certificate of acceptance of the completed work, together with a final estimate of the amount due the Contractor under this Agreement, less any amount to be withheld by the City of Coburg to ensure guarantees.

The City of Coburg shall, within thirty (30) days, pay to the Contractor all monies due him/her under the conditions of the Agreement upon the following:

- The City of Coburg's acceptance of the City Engineer's final estimate.
- The City of Coburg's approval of the affidavit/affidavits of the release of any and all liens.
- The receipt of all required wage certifications
- Certification by Contractor that all suppliers and subcontractors have been paid.
- Inspection and approval by all or any concerned public works of the State, of any County, Municipality or political subdivision created by law, or Public Utility.

111.6.00 MATERIALS DELIVERED TO THE WORK SITE BUT NOT USED

Final payment will be made only for materials actually incorporated in the work. Upon acceptance of the work, all materials stored on the site, unless otherwise agreed upon in writing, shall revert to the Contractor.

111.7.00 ACCEPTANCE OF FINAL PAYMENT

The acceptance by the Contractor of the final payment shall release the City of Coburg and the City Engineer as agent of the City of Coburg from all claims and all liability to the Contractor for all things done or furnished in connection with the work, and every act of the City of Coburg and others relating to or arising out of the work. No payment, however, final or otherwise, shall operate to release the Contractor from obligations under these Contract Documents.

Section 420
Supplementary General Conditions

**Section 00420
SUPPLEMENTARY GENERAL CONDITIONS
To The
GENERAL CONDITIONS OF THE CONTRACT**

Contract No. _____
PROJECT NAME SECONDARY WELLFIELD

For the above contract, the following supplements modify the General Conditions of the Contract Documents. Where a portion of the General Conditions is modified or deleted by these Supplemental General Conditions, the unaltered portions of the General Conditions shall remain in effect.

SECTION 103-THE CITY ENGINEER

Add the following:

103.1.01 CONTRACT CITY ENGINEER

The City Engineer for the purposes of this contract shall be:

Branch Engineering
310 5th Street
Springfield, OR 97447
ATTN: Julie Leland, P.E.
541-746-0637

SECTION 105- OREGON LAW – CIVIL RIGHTS – WAGE LAWS

105.0.02 Oregon State Environmental Requirements

Add the following

Additionally, if contractor encounters cultural or archaeological materials during the course of work, work shall be immediately shut down until a professional archaeologist can be notified for an inspection. The contractor shall notify the local tribes of ongoing work and immediately notify the tribes of any potential archaeological material.

105.05 BUREAU OF LABOR & INDUSTRIES (BOLI) & DAVIS BACON PREVAILING WAGE LAWS

Add the following:

Prevailing wage rates are located here:
http://www.oregon.gov/boli/WHD/PWR/Pages/pwr_state.aspx

Use the most current Prevailing Wage Rates for Public Contracts in Oregon document including any amendments to the prevailing rates at time of contract initiation.

See attached the applicable Davis Bacon prevailing wage determination for this project "OR2023057, Lane County, Heavy, Modification #5, dated 3/31/2023".

SECTION 108-MATERIALS AND APPLIANCES

108.2.01 TESTING AND QUALITY CONTROL

Add the following:

Contractor shall provide all testing, quality control, and laboratory services in conformance with the Oregon Department of Transportation Manual of Field Test Procedures or as the Contract Documents may additionally require. Contractor shall send copies of all testing data, results, reports, field notes, etc. weekly to the Engineer. City may elect to perform supplementary testing at its discretion and Contractor must coordinate with these efforts. Contractor shall indicate in writing which tests were performed each week, the results, and what actions have been taken to correct out of specification materials, if discovered.

SECTION 109 CONTRACT LEGALITIES

Add the following:

Contractor shall be responsible for complying with all permits and applications already obtained and acquire any remaining permits necessary to perform Work. This includes obtaining permits and providing all required fees, bonds, insurance, or other items as may be reasonably be required by permitting agencies at no additional cost.

END OF SECTION

"General Decision Number: OR20230057 03/31/2023

Superseded General Decision Number: OR20220057

State: Oregon

Construction Type: Heavy

County: Lane County in Oregon.

HEAVY CONSTRUCTION PROJECTS

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	<ul style="list-style-type: none">. Executive Order 14026 generally applies to the contract.. The contractor must pay all covered workers at least \$16.20 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2023.
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	<ul style="list-style-type: none">. Executive Order 13658 generally applies to the contract.. The contractor must pay all covered workers at least \$12.15 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2023.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the

Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <http://www.dol.gov/whd/govcontracts>.

Modification Number	Publication Date
0	01/06/2023
1	01/20/2023
2	02/24/2023
3	03/03/2023
4	03/17/2023
5	03/31/2023

BROR0001-012 06/01/2020

	Rates	Fringes
BRICKLAYER.....	\$ 41.20	22.39

 CARP1503-006 06/01/2021

	Rates	Fringes
Carpenters:		
Excluding Form Work.....	\$ 43.80	18.56

 ELEC0280-014 01/01/2023

LANE (EAST OF A LINE RUNNING NORTH AND SOUTH FROM THE NORTHEAST CORNER OF COOS COUNTY TO THE SOUTHEAST CORNER OF LINCOLN COUNTY)

	Rates	Fringes
ELECTRICIAN.....	\$ 51.67	20.58

 ELEC0932-010 01/01/2023

LANE COUNTY (AREA LYING WEST OF A LINE NORTH AND SOUTH FROM THE N.E. CORNER OF COOS COUNTY TO THE S.E. CORNER OF LINCOLN COUNTY)

	Rates	Fringes
ELECTRICIAN.....	\$ 48.58	23.20

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
GROUP 1.....	\$ 54.13	16.65
GROUP 1A.....	\$ 56.29	16.65
GROUP 1B.....	\$ 58.45	16.65
GROUP 2.....	\$ 52.22	16.65
GROUP 3.....	\$ 51.07	16.65
GROUP 4.....	\$ 47.74	16.65
GROUP 5.....	\$ 46.50	16.65
GROUP 6.....	\$ 43.28	16.65

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: CRANE: Helicopter Operator, when used in erecting work; Whirley Operator, 90 ton and over; LATTICE BOOM CRANE: Operator 200 tons through 299 tons, and/or over 200 feet boom; HYDRAULIC CRANE: Hydraulic Crane Operator 90 tons through 199 tons with luffing or tower attachments;

GROUP 1A: HYDRAULIC CRANE: Hydraulic Operator, 200 tons and over (with luffing or tower attachment); LATTICE BOOM CRANE: Operator, 200 tons through 299 tons, with over 200 feet boom;

GROUP 1B: LATTICE BOOM CRANE: Operator, 300 tons through 399 tons with over 200 feet boom; Operator 400 tons and over

GROUP 2: CRANE: Cableway Operator, 25 tons and over; HYDRAULIC CRANE: Hydraulic crane operator 90 tons through 199 tons (without luffing or tower attachment); TOWER/WHIRLEY OPERATOR: Tower Crane Operator; Whirley Operator, under 90 tons; LATTICE BOOM CRANE: 90 through 199 tons and/or 150 to 200 feet boom; HYDRAULIC CRANE: Hydraulic crane operator, 50 tons through 89 tons (with luffing or tower attachment); Rubber tired scraper with tandem scrapers, multi-engine Trenching Machine-Wheel Operator; Loader 120,000 lbs and above; BLADE: Auto Grader; Blade Operator-Robotic; Bulldozer over 120,000 lbs and above; CRANE: Derrick Barge Operator 30 ton but less than 150 ton;

GROUP 3: HYDRAULIC CRANE: Hydraulic crane operator, 50 tons through 89 tons (without luffing or tower attachment); LATTICE BOOM CRANES: Lattice Boom Crane-50 through 89 tons (and less than 150 feet boom); Rubber Tired Scraper: with tandem scrapers; self loading, paddle wheel, auger type,

finish and/or 2 or more units; Loader 60,000 lbs and less than 120,000 lbs; Bulldozer over 70,000 lbs up to and including 120,000 lbs;

GROUP 4: CRANE: Hydraulic Crane Operator, under 50 tons; LATTICE BOOM CRANE OPERATOR: Lattice Boom Crane Operator, under 50 tons; TRACKHOE/BACKHOE-ROBOTIC: track and wheel type, up to and including 20,000 lbs. with any or all attachments; BLADE: Blade Operator; Tractor operator with boom attachment; DRILLING: Churn Drill and Earth Boring Machine Operator; Directional Drill Operator over 20,000 lbs pullback; CRANE: Chicago boom and similar types; Boom type lifting device, 5 ton capacity or less; Asphalt Paver; Rubber-Tired Scraper, single engine, single scraper; Compactor-Self Propelled; Loaders 25,000 lbs and less than 60,000 lbs; Bulldozer over 20,000 lbs and more than 100 horse up to 70,000 lbs; Mechanic; CRANE: Derrick Barge Operator less than 30 ton; Piledriver; Screed; Compactor with blade

GROUP 5: TRACKHOE/BACKHOE HYDRAULIC: Track type up to and including 20,000 lbs, Wheel type (Ford, John Deer, Case Type); Boom truck operator; DRILLING: Churn Drill and Earth Boring Machine Operator; Directional Drill Operator less than 20,000 lbs pullback; Concrete Pumper; Concrete Paver: Compactor; Loaders, rubber tired type, less than 25,000 lbs; Forklift over 5 ton, Bulldozer 20,000 lbs or 100 horses or less; Mixer operator; Roller; Compactor without blade

GROUP 6: LOADERS: (less than 1 cu yd.); Oiler; Bobcat/Skid Loader; Grade Checker; Crane oiler; Asphalt Spreader; Broom Operator; Forklift; Roller (non-asphalt)

Zone Differential (add to Zone 1 rates):

Zone 2 - \$3.00

Zone 3 - \$6.00

For the following metropolitan counties: MULTNOMAH; CLACKAMAS; MARION; WASHINGTON; YAMHILL; AND COLUMBIA; CLARK; AND COWLITZ COUNTY, WASHINGTON WITH MODIFICATIONS AS INDICATED:

All jobs or projects located in Multnomah, Clackamas and Marion Counties, West of the western boundary of Mt. Hood National Forest and West of Mile Post 30 on Interstate 84 and West of Mile Post 30 on State Highway 26 and West of Mile Post 30 on Highway 22 and all jobs or projects located in Yamhill County, Washington County and Columbia County and all jobs or projects located in Clark & Cowlitz County,

Washington except that portion of Cowlitz County in the Mt. St. Helens ""Blast Zone"" shall receive Zone I pay for all classifications.

All jobs or projects located in the area outside the identified boundary above, but less than 50 miles from the Portland City Hall shall receive Zone II pay for all classifications.

All jobs or projects located more than 50 miles from the Portland City Hall, but outside the identified border above, shall receive Zone III pay for all classifications.

For the following cities: ALBANY; BEND; COOS BAY; EUGENE; GRANTS PASS; KLAMATH FALLS; MEDFORD; ROSEBURG

All jobs or projects located within 30 miles of the respective city hall of the above mentioned cities shall receive Zone I pay for all classifications.

All jobs or projects located more than 30 miles and less than 50 miles from the respective city hall of the above mentioned cities shall receive Zone II pay for all classifications.

All jobs or projects located more than 50 miles from the respective city hall of the above mentioned cities shall receive Zone III pay for all classifications.

* IRON0029-011 01/02/2023

	Rates	Fringes
IRONWORKER (Ornamental, Reinforcing, and Structural).....	\$ 42.27	32.57

LAB00737-028 06/01/2022

	Rates	Fringes
Laborers:		
GROUP 1.....	\$ 34.98	16.85
GROUP 2.....	\$ 36.25	16.85
GROUP 3.....	\$ 30.38	16.85

LABORER CLASSIFICATIONS

GROUP 1: Blaster, Demolition; Laborer: Water, Sewer Underground; Chain Saw

GROUP 2: Asphalt Raker; Pipelayer; Grade Checker; Vibrating Plate

GROUP 3: Flagger, Traffic Control-Cone Setter

 PAIN0010-007 07/01/2022

	Rates	Fringes
Painters:		
Including Brush and Roller..	\$ 32.52	14.04

 TEAM0037-009 06/01/2020

	Rates	Fringes
Truck drivers:		
GROUP 1.....	\$ 29.33	16.40

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: Flatbed Truck; Off the Road Truck

 * SUOR2009-055 11/23/2009

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 22.47	9.29
DRYWALL FINISHER/TAPER.....	\$ 24.05	0.00
HIGHWAY/PARKING LOT STRIPING:		
Painter.....	\$ 24.74	5.43
LABORER: Asphalt Spreader.....	\$ 22.18	9.39
LABORER: Common or General.....	\$ 19.52	6.22
LABORER: Form-Stripping.....	\$ 19.27	6.32
LABORER: Landscape.....	\$ 10.60 **	1.80
LABORER: Mason Tender - Brick...	\$ 18.39	6.74
LABORER: Mason Tender - Cement/Concrete.....	\$ 22.39	6.90

OPERATOR: Excavator.....	\$ 25.06	5.94
OPERATOR: Tractor.....	\$ 20.00	0.73
PAINTER: Spray.....	\$ 19.77	0.00
PILEDRIVERMAN.....	\$ 26.19	11.58
TRUCK DRIVER: Dump Truck.....	\$ 16.11 **	8.81
TRUCK DRIVER: Lowboy Truck.....	\$ 17.07	5.50
TRUCK DRIVER: Water Truck.....	\$ 18.65	6.70
TRUCK DRIVER.....	\$ 32.10	5.90

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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** Workers in this classification may be entitled to a higher minimum wage under Executive Order 14026 (\$16.20) or 13658 (\$12.15). Please see the Note at the top of the wage determination for more information.

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour National Office because National Office has responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor

200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISIO"

Section 500
STANDARD SPECIFICATIONS

SECTION 500

**CITY OF COBURG
STANDARD SPECIFICATIONS**

The Standard Specifications applicable to work on this project and the performance thereof, are those titled "Oregon Standard Specifications for Construction, 2021 edition", in addition to the "Oregon Standard Drawings, 2021 edition", hereinafter called "Standard Specifications" except as the same may be modified, supplemented, or superseded by the Special Provisions herein. The standard specifications are available at https://www.oregon.gov/odot/Business/Specs/2021_STANDARD_SPECIFICATIONS.pdf

For sanitary sewer work of the project construction, if any, DEQ requires that in addition to the above specification, current DEQ Rules and Specifications will apply, and if a conflict is noted, the more stringent specification will apply. DEQ specifications are the Oregon Standard Specifications for Construction, 2021 edition.

Such Standard Specifications by this reference shall be deemed incorporated herein and made a part hereof as those fully set forth. All number references in the Special Specifications shall be understood to refer to the Section of the Standard Specifications bearing like numbers.

END OF SECTION

Section 600
SPECIAL SPECIFICATIONS – ODOT STANDARDS

SECTION 600

Special Specifications Secondary Wellfield Construction

All number references in these Special Provisions shall be understood to refer to the Sections and Subsections of the Standard Specifications and Supplemental Specifications bearing like numbers and to Section and subsections contained in these Special Provisions in their entirety.

Class of Work

SECTION 00280 – EROSION AND SEDIMENT CONTROL

Comply with Section 00280 of the Standard Specifications modified as follows:

Pay item (a) includes all erosion and sediment control materials necessary for the project or shown on the drawings. No additional payment will be made for any additional work, materials, etc. necessary to construct or maintain erosion control facilities specified or necessary to meet the conditions of permits, laws, or regulations. Erosion control lump sum pay item shall cover all necessary work to maintain adequate erosion control for the duration of the work.

SECTION 01050 – FENCES

Removal and rebuilding of existing fence shall comply with section 01050 of the 2021 Oregon Standard Specifications for Construction. Only remove and replace material necessary to complete the work and for clearance around new features. Reutilize existing fence material to the full extent practicable. Existing fence posts to be relocated or removed shall be removed entirely, including foundation, or the top 2.0 feet below finished grade shall be removed entirely and the resultant hole backfilled with approved materials per Section 00310 of the 2021 Oregon Standard Specifications for Construction. Coordinate with property owner and offer unused removed material to them at no cost. Dispose of any unwanted excess material.

Section 610
SPECIAL SPECIFICATIONS – MUNICIPAL WELL STANDARDS

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Section 100: SUMMARY OF WORK

1. GENERAL

1.01 HYDROGEOLOGIC INFORMATION

- A. The project's target aquifer is the Lower Sedimentary Unit, which exists under confined conditions and is generally composed of gravels and coarse-grained sands. The seasonal low static water level is estimated to be 16 feet below ground surface (bgs). At the site, the target aquifer (Lower Sedimentary Unit) is estimated to be present at a depth of 60-120 feet, underlying the following geologic units; Willamette Silt (stratified silt, clay, and sand), and the Middle Sedimentary Unit (clays, silts).
- B. Well logs that are representative of local hydrogeologic conditions are available through the Oregon Water Resources Department (OWRD) and include LANE-77098. This information is provided for the Contractor's information only and the City shall not be responsible for the Contractor's application or interpretation of the information.

1.02 SITE ACCESS AND SECURITY

- A. It is anticipated that the work site will be accessible from Stallings Lane at the eastern edge of the property boundary. The Contractor shall verify an access route with the City prior to mobilization.
- B. The extents of the available work site area are presented in the plan set. The Contractor shall provide temporary fencing to secure the work area used for material storage and drilling operations including areas occupied by construction equipment, piping, and other equipment. Whenever the Contractor is off-site, the temporary fencing shall be locked and secured and the borehole/wellhead shall be equipped with a temporary cover.
- C. The Contractor shall provide and maintain a portable sanitation restroom.

Section 101: WORK SEQUENCE

1. GENERAL

1.01 WORK SEQUENCE

- A. The general work sequence for this project shall include, but may not be limited to the following steps:
 - 1. Mobilize to the work site
 - 2. Set up and maintain a power supply, water supply, and potable sanitary restroom.
 - 3. Set up and maintain erosion and sediment control, water management and turbidity reduction, and spill prevention facilities in accordance with the Contractor's plans.
 - 4. Perform a utility locate at the well drilling location, including pre-

- excavation by vacuum or air-knife to a depth of six feet below grade.
5. Drill the well borehole at a minimum nominal diameter of 16-inches to an anticipated depth of 130 feet while advancing temporary casing and collecting formation samples.
 6. Fabricate and install the 12-inch diameter well casing and well screen.
 7. Conduct plumbness and alignment testing of the well.
 8. Install the silica sand filter pack envelope and pull back the temporary casing to expose the well screen.
 9. Conduct initial well development using a combination of impulse generation and dual-isolation surging and pumping, replenishing the filter pack envelope as necessary.
 10. Conduct final well development using the test pump until the well development criteria have been met.
 11. Install the surface seal.
 12. Conduct aquifer testing (step-rate and constant-rate discharge tests).
 13. Conduct a color video survey of the completed well.
 14. Disinfect the completed well.
 15. Complete and secure the wellhead.
 16. Complete final site cleanup and restoration to the satisfaction of the City and demobilize from the work site.

Section 102: MATERIALS AND EQUIPMENT

1. GENERAL

1.01 DESCRIPTION OF WORK

- A. This section includes general requirements pertaining to materials and equipment. Any such requirements as may be specified elsewhere or required by law are additional to the provisions included in this section.

1.02 SOURCE OF MATERIALS

- A. Steel products must be sourced from an American foundry.
- B. Aggregate must be clean and sourced from a reputable local vendor.
- C. The Contractor shall make his or her own arrangements to obtain this material at their own expense and all costs of acquiring, producing and placing this material in the finished work will be considered incidental to the bid item involved.

Section 103: SUBMITTALS

1.01 RELATED REQUIREMENTS SPECIFIED ELSEWHERE

- A. Other provisions pertaining to submittals are included in the General Conditions, the Supplementary General Conditions and in the various sections of the specifications.

1.02 LIST OF SUBMITTALS

A. Erosion and Sediment Control Plan:

- 1. The Contractor shall submit an Erosion and Sediment Control Plan for review by the City's Representative prior to mobilization to the work site. The Erosion and Sediment Control Plan shall comply with the provisions of ODOT's 2021 Oregon Standard Specifications for Construction. The Contractor shall design the plan to meet the standards using measures that will best fit the Contractor's construction sequencing and approved schedule.

B. Water Management and Turbidity Reduction Plan:

- 1. The Contractor shall submit a Water Management and Turbidity Reduction Plan describing the Contractor's plan for control and management of water generated during the project to the City's Representative for approval prior to mobilization to the work site.

C. Spill Prevention, Control, and Countermeasures Plan:

- 1. The Contractor shall develop and maintain a spill prevention, control and countermeasures (SPCC) plan that addresses the provisions of Section 00290 of ODOT's 2021 Oregon Standard Specifications for Construction. A copy of the SPCC plan shall be submitted to the City's Representative prior to mobilizing to the work site.

D. Daily Logs:

- 1. The Contractor shall provide daily logs of the drilling and installation process. These logs shall be submitted to the City and/or Engineer every week. Daily logs shall include the following information:
 - a. General project identification
 - b. The depth of water prior to beginning activities each day, including a record of the depth of the borehole and temporary casing.
 - c. The type and quantity of any materials used each day.
 - d. The duration of activities throughout the day.
 - e. The depth, thickness, type, and general characteristics of each formation material encountered including evidence of water bearing zones, note chattering, increased turbidity in drill returns or other drilling actions that are evidence of the type of materials being penetrated.

- E. The following outlines a list of submittals that the Contractor shall provide prior to, during, and at the conclusion of the project:

Submittal	Timing of Submittal (business days)
Water Management and Turbidity Reduction Plan	Prior to mobilization
Spill Prevention, Control, and Countermeasures Plan	Prior to mobilization
Well Drilling, Construction, and Testing Plan	Prior to mobilization
Well Casing Specifications	Prior to purchasing or installing
Well Screen Specifications	Prior to purchasing or installing
Filter Pack Specifications	Prior to purchasing or installing
Plumbness and Alignment Documentation	Within three days of plumbness and alignment testing completion
Well Development Plan	Prior to start of well development
Well Development Documentation	Within three days of well development completion
Well Seal Plan	Prior to installing
Well Seal Documentation	Within three days of well seal installation
Aquifer Testing Plan	Prior to start of aquifer testing
Aquifer Testing Documentation	Within three days of aquifer testing completion
Well Video Log	Within five days of well video completion
Well Disinfection Materials and Methods	Prior to start of well disinfection
As-built Diagram of Well (include calculations, dimensions and assumptions)	Prior to demobilizing
OWRD Well Report	Prior to demobilizing

Section 104: TEMPORARY FACILITIES AND CONTROLS

1.01 WATER MANAGEMENT AND TURBIDITY REDUCTION

- A. The Contractor shall contain all fluids or debris generated during the project and shall prevent run off from the work site to roads, sidewalks, storm drains, surface water bodies, and/or neighboring properties.
- B. Fluids containing grout or seal material shall be properly contained and disposed of offsite.
- C. Any water generated during drilling and well development shall be discharged through temporary hay bales before infiltrating on site
- D. Installation of water management and turbidity reduction measures in accordance with the Contractor's approved Water Management and Turbidity Reduction Plan shall not relieve the Contractor of any responsibility for enforcement actions resulting from regulatory violations.

1.02 SPILL PREVENTION, CONTROL, AND COUNTERMEASURES

- A. Use of hydrocarbon products other than fuel, motor oil, hydraulic oil and grease normally used during well drilling and installation shall be minimized. All lubricants or oils used on drill pipe threads, down-hole hammers, or other drilling equipment that could be discharged or otherwise come into contact with aquifer materials and groundwater shall be NSF-approved for use in potable water applications, and adequate measures shall be taken to prevent all oil, fuel and other fluid spills onsite.
- B. The Contractor shall have a spill response kit onsite that includes sufficient materials and equipment to control and prevent discharge of spills offsite or into site catch basins. Contractor personnel shall be familiar with the SPCC plan and trained in the use of spill prevention and response equipment.
- C. The Contractor shall place a protective barrier under the drilling rig and equipment to prevent oils, fuels and other fluids from contaminating the site. Drip pans or other protective devices shall be required for all oil, fuel or chemical transfer operations.

Section 105: POTABLE WATER SUPPLY WELLS

1. GENERAL

1.01 REFERENCE STANDARDS

- A. The following is a list of standards that may be referenced in this section:
 - 1. American Petroleum Institute (API)

- a. API 10-A, Specification for Materials and Testing for Well Cements.
2. American Society for Testing and Materials (ASTM)
 - a. A53 or A53M-22, Standard Specification for Pipe, Steel, Black and Hot-dipped, Zinc-coated, Welded, and Stainless.
 - b. A409 or A409M-19, Standards Specification for Welded Large Diameter Austentic Steel Pipe for Corrosive or High-Temperature Service
 - c. A139 or A139M-22, Standard Specification for Electric-Fusion (ARC) Welded Steel Pipe (NPS 4 and Over)
 - d. C33 or C33M-18, Standard Specification for Concrete Aggregate
 - e. C150 or C150M-20, Standard Specification for Portland Cement
 3. American Water Works Association (AWWA)
 - a. A100-20, Standard for Water Wells
 4. State of Oregon
 - a. OAR 690-200 through 690-230
 - b. OAR 690-240
 - c. OAR 333-061-0005 through 333-061-0098

1.02 SUBMITTALS

- A. Well Drilling, Construction, and Testing Plan
 1. The Contractor shall develop a well drilling, construction, and testing plan that describes how the Contractor shall sequence and coordinate the drilling, construction, and testing programs, including drawings of the work site showing the proposed layout of equipment and equipment specifications. The well drilling, construction, and testing plan shall be submitted to the City's Representative for review and approval.
- B. Well Casing and Well Screen Specifications
 1. Prior to purchase or installation, the Contractor shall submit to the City's Representative for review and approval of the manufacturer's specifications for both the well casing and well screen, including the following, at a minimum:
 - a. Well Casing: Mill certificates.

- b. Well Screens: The collapse and tensile strength, estimated screen weight, screen outside and clear inside diameter, slot size and the square inches of open area per lineal foot of screen.

C. Filter Pack Specifications

1. Prior to purchase or installation, the Contractor shall submit to the City's Representative for review and approval manufacturer's specifications for the filter pack material.
2. The Contractor shall provide the City's Representative with records of all tagged depths of the filter pack during installation, measurements of settlement, and the volume of filter pack material installed.

D. Well Seal Materials and Methods

1. Prior to installing the well's surface seal, the Contractor shall develop and submit a well sealing plan to the City's Representative for review and approval that describes how the Contractor shall sequence seal installation activities, including specifications for any equipment or materials to be used for seal installation and also the proposed methods and frequency of collecting measurements of either of the following:
 - a. Weight measurements of cement grout seal material at 25, 50, 75, and 100 percent of seal placement; or
 - b. The proportions of cement and water used in mixing each batch of cement grout (i.e., gallons of water per sack of dry cement), including a record of the cement type/manufacturer and bag weight.

E. Well Seal Documentation

1. The Contractor shall submit documentation of seal installation to the City's Representative for review and approval within three days of completing seal installation.

1.03 WELL INSTALLATION SUMMARY

- A. The new water supply well is planned to be completed with a single string of 12-inch diameter production well casing and wire-wrap screen with a silica sand filter pack envelope. A conceptual well design schematic is provided in Drawing C3.0. Approximate installation depths and diameters, design parameters, and the target design well yield are listed below:

Construction Feature	Description
Anticipated Well Depth	130 feet
Target Well Yield	450 gpm
Borehole Diameter	16-inch
Production Well Casing Diameter	12-inch
Production Well Casing Length	130 feet
Anticipated Surface Seal Depth	55 feet
Screen Pipe -Size Diameter	12-inch
Anticipated Screen Length ¹	60 feet

Notes:

1. Includes 5-feet of pressure relief screen
 - B. Final design of the water supply well will depend on subsurface conditions encountered during drilling and shall be determined by the City's Representative after review of the formation samples and sieve analyses results.

1.04 DRILLING EQUIPMENT CAPABILITIES

- A. The Contractor's equipment shall be sufficient to produce a completed well as conceptualized in Drawing C3.0 and as described in these specifications. Increases in borehole and well casing diameters to accommodate the Contractor's existing equipment may be approved by the City's Representative at the Contractors expense when requested by the Contractor.
- B. Mud rotary drilling methods are not permitted during drilling within the target aquifer or below a depth of 100 feet.

1.05 DRILLING PERMITS AND STANDARDS

- A. The Contractor shall obtain at its expense the start card and furnish the well log and well report for the new water supply well to the licensing state agency. The Contractor shall be responsible for completing and obtaining any other required permits or special standards required to complete the well as described in these specifications, except for City of Donald land use approval and water right permitting, which will be all handled separately by the City.

1.01 FORMATION SAMPLE CONTAINERS

- A. The Contractor shall furnish appropriately sized containers for collecting and storing formation samples during drilling of the new well. The containers shall have a minimum nominal capacity of one gallon.

1.02 TEMPORARY CASING

- A. The Contractor shall furnish temporary well casing of such strength and proper wall thickness to reach the maximum designated depth undamaged and shall be of such strength so that the temporary casing can be removed from the well.
- B. All pipe used as temporary casing to maintain the borehole walls or to obtain samples required during drilling shall remain the property of the Contractor and be removed from the work site at the completion of the project.

1.03 WELL CASING

- A. The Contractor shall furnish well casing of such strength and proper wall thickness to reach the maximum designated depth undamaged and shall be of such strength so that the production casing can be pulled-back during filter pack installation.
- B. The production well casing shall be new, seamless or electric resistance welded 12-inch pipe- size diameter low-carbon steel pipe.
- C. The blank well casing for the well screen assembly shall be new, seamless or electric resistance welded 12-inch pipe-size diameter of either 1. Low carbon steel, or 2. Stainless steel.
- D. All steel pipe shall conform to the latest edition of specifications: ASTM A-53 A or B, and ASTM A312 304L.
- E. The well casing shall have the brand name, wall thickness, and ASTM designation clearly stamped on each segment of pipe. Manufacturer-rejected pipe shall not be used. The well casing shall be clean and free of drilling mud or other foreign material prior to installation into the borehole.

1.04 PIPE FITTINGS, CENTERING GUIDES, AND CASING JOINTS

- A. The Contractor shall provide all fittings, drive shoes, welding rings, and centering guides as necessary to complete each well as described by these specifications.
- B. All welding shall be completed by a certified welder, as certified by an independent testing laboratory as per AWS D1.1. Casing joints when welded shall be a complete penetration, vee-groove weld with a 60-degree angle bevel, 1/16-inch root opening, and the feather edge shall be ground to provide a land. The weld shall not use a backing ring and shall provide a 1/32-inch surface build/finish. Prior to welding, the Contractor shall inspect

the bevel edge and if it is serrated or otherwise not smooth it shall be ground smooth.

- C. The Contractor shall provide centering guides for the well casing at intervals of 40 feet or intervals of 20 feet for the well screen assembly.

1.05 WELL SCREEN

- A. The well screen shall be 12-inch pipe-size diameter of continuous slot, wire-wrap design, manufactured by Johnson Well Screens, or approved equivalent. The well screen material shall be Type 304 stainless steel conforming to ASTM requirements.
- B. The outer winding that forms the wire-wrap screen surface and the internal longitudinal bars shall be joined at each intersection by welding. Both members shall be Type 304 stainless steel conforming to ASTM requirements. All welding material used to couple screen components shall be stainless. Top and bottom fittings required for the screen assembly shall be manufactured out of the same material as the screens. Joints between screen sections shall be welded and shall have tensile and collapse strength equal to or greater than that of the entire well screen assembly. Stainless steel 309 welding rod or equivalent shall be used to weld stainless steel screen sections to the sections of low carbon steel blank pipe. The Contractor may recommend alternative welding materials. Approval of alternates shall be at the discretion of the City's Representative.
- C. Below the bottom-most section of screen, a ten-foot section of blank well casing with a welded end cap shall be installed as a sump.

1.06 WELL CAP

- A. The Contractor shall provide a watertight well cap that can be secured to the top of the permanent well casing after completion of the well. The well cap shall be equipped with one 1-inch diameter and one 2-inch diameter threaded access port with threaded cap and eyehook.

1.07 FILTER PACK

- A. Filter pack material shall consist of clean silica sand, conforming to AWWA A100-20 with respect to specific gravity, uniformity, absence of deleterious substances, and non-rounded fragments. The clean silica sand shall be manufactured by Colorado Silica Sand Inc. (CSSI) or approved equivalent.
- B. Filter pack size shall be determined after well has been drilled and based on formation characteristics.
- C. The Contractor shall provide a measuring device to sound the filter pack level in the borehole during placement and development to detect bridging and/or settlement.

1.08 SURFACE SEAL

- A. The requirements for grout materials shall conform to OAR 690-210-0310.
- B. Use of any additives not expressly allowed in OAR 690-210-0310 shall be subject to the approval of the City's Representative.
- C. The Contractor shall provide a measuring device to sound the level of cement grout in the borehole during placement to ensure that excessive grout leakage to the native formation is not occurring.

1.09 TEMPORARY WELLHEAD PROTECTION

- A. The Contractor shall furnish modular concrete barriers (e.g., Jersey barriers or ecology blocks) around the completed well to protect the well casing stickup from damage.

3 EXECUTION

3.01 DRILLING METHODS

- A. Mud rotary drilling methods are not permitted during drilling within the target aquifer or below a depth of 100 feet.
- B. The Contractor shall drill the upper borehole at a minimum nominal diameter of 16 inches and advance temporary casing to an anticipated depth of 53.5 feet.
- C. The Contractor shall drill the lower borehole at a nominal diameter of 16-inches and advance temporary casing to an anticipated depth of 130 feet.
- D. Any additives used during drilling shall be NSF 60 compliant for potable water wells. Only clean and potable water shall be introduced into the well.
- E. The Contractor shall notify the City's Representative at least two days in advance of initiating drilling.

3.02 FORMATION SAMPLING

- A. The Contractor shall collect samples from the formation being drilled at every change in formation or color and at no greater than ten-foot intervals at depths shallower than the target aquifer and no greater than five-foot intervals within the target aquifer.
- B. All formation samples shall be representative of the material penetrated. The Contractor shall account for return time of the cuttings when collecting a sample from each depth interval to ensure that the sample is representative of the depth interval.
- C. The Contractor shall mark each sample container with the well name, depth interval the sample was collected from, and the date the sample was taken using waterproof ink.

- D. The Contractor shall furnish appropriately-sized containers for collecting and storing formation samples during drilling of the new well. The containers shall have a minimum nominal capacity of one gallon.

3.03 WELL CASING AND WELL SCREEN INSTALLATION

- A. The well casing and well screen shall be fabricated and installed in accordance with the manufacturer's recommendations and according to the anticipated design depths presented on Drawing C3.0, or as directed by the City's Representative.
- B. After fabrication and installation, the well screen assembly shall be exposed to the filter pack envelope using the casing pullback method.
- C. If for any reason the well screen assembly cannot be placed at the final design position or at a depth acceptable to the City, the Contractor shall remove and repair any damage to the well screen assembly, overdrill the borehole, and reinstall the well screen assembly at no additional cost to the City. In no event shall the Contractor attempt to drive or spud the well screen assembly.
- D. The Contractor shall notify the City's Representative at least two days in advance of installing the well casing and well screen assembly.
- E. The Contractor shall provide all fittings, drive shoes, welding rings, and centering guides as necessary to complete each well as described by these specifications.

3.04 FILTER PACK INSTALLATION

- A. The Contractor shall install the filter pack envelope using the casing pullback method, and shall continuously measure and monitor the well screen assembly position during pullback to ensure it remains at the final design location.
- B. The method of installing the filter pack envelope shall be proposed by the Hydrogeologist. The method shall be approved by the City's Representative, but shall conform to the following requirements, at a minimum:
 - 1. The Contractor shall maintain the filter pack envelope at all times to prevent heaving and to ensure the well screen assembly is not exposed directly to the formation.
 - 2. The Contractor shall not install the filter pack envelope at a rate of more than 1/2 cubic foot per minute.
 - 3. The Contractor shall not install more than a 10-foot section of filter pack without pulling up the temporary casing.
 - 4. As the silica sand filter pack is installed, the Contractor shall disinfect the filter pack material with a concentration of at least 50 mg/L of available

chlorine.

5. As the silica sand filter pack is installed, the Contractor shall swab the well screen assembly until there is no further measurable settlement of the filter pack envelope.
- C. The Contractor shall notify the City's Representative at least two days in advance of installing the filter pack.

3.05 SURFACE SEAL INSTALLATION

- A. The cement grout surface seal shall be installed in compliance with acceptable methods of placement specified in OAR 690-210-0320 and Appendix 210-3.
- B. The Contractor shall employ all other available measures to prevent grout intrusion into the filter pack and aquifer. No work will be done on the well for a minimum of 72 hours following placing of the grout seal.
- C. The cement grout seal shall be placed from the bottom and upward to promote even distribution. The completed seal shall fully surround the well casing, be evenly distributed, be free of voids or bridges, and extend to undisturbed or recompacted soil.
- D. The Contractor shall use an accurate measuring device to continuously monitor the depth of the seal during placement. A record of all tagged depths shall be kept and made available upon the request of the City's Representative.
- E. In the event the borehole or part of the borehole collapses prior to completion of the surface seal, the Contractor shall take whatever steps are necessary to reopen the borehole, reset the casing and place the seal material as required. Any such remedial action shall be completed at no additional cost to the City.
- F. The Contractor shall notify the City's Representative at least two days in advance of installing the surface seal.

3.06 WELL SURFACE COMPLETION

- A. Upon completion of all work associated with well drilling, construction, development, testing, and disinfection of the new well, the Contractor shall cut off the well casing squarely and neatly at a minimum of three feet above grade and install the temporary well cap.
- B. Well surface completion shall include a gravel fill to the existing surface around the wellhead and installation of the three or four modular concrete barriers in a triangular or square array surrounding the wellhead to ensure construction equipment or other vehicles do not impact the wellhead. The protection barriers to be installed should be recommended by the Contractor for approval by the City's Representative.

Section 106: PLUMBNESS AND ALIGNMENT TESTING

1. GENERAL

1.01 REFERENCE STANDARDS

- A. The following is a list of standards that may be referenced in this section:
 - 1. American Water Works Association (AWWA):
 - a. A100-20, Standard for Water Wells

1.02 SUBMITTALS

- A. Plumbness and Alignment Testing Results:
 - 1. The Contractor shall submit results of plumbness and alignment testing of the well to the City's Representative for approval within three days of completing plumbness and alignment testing.

1.03 PLUMBNESS AND ALIGNMENT TESTING

- A. The Contractor shall conduct a plumbness and alignment test after the lower borehole of the well reaches final completion depth, prior to fabrication and installation of the 12-inch diameter well screen assembly (only the 16-inch production casing will be tested prior to pullback).

2 PRODUCTS

2.01 PLUMBNESS AND ALIGNMENT TOOLS

- A. The plumbness and alignment survey shall be performed with tools specified in Appendix D of AWWA A100-20, or approved equivalent.

3 EXECUTION

3.01 PLUMBNESS AND ALIGNMENT TESTING

- A. The Contractor shall notify the City's Representative at least two days in advance of conducting plumbness and alignment testing of the new well.
- B. The Contractor shall conduct a plumbness and alignment test after the borehole of the well reaches final completion depth, prior to fabrication and installation of the 12-inch diameter well screen assembly.
- C. The Contractor shall conduct the plumbness test following the methods specified in Appendix D of AWWA A100-20. Deviation from perfect plumbness shall not exceed two-thirds of the smallest inside diameter of casing being tested per 100 feet of length, as specified in AWWA A100-20.

- D. The Contractor shall prove the alignment of the well by lowering into the well a straight section of pipe or dummy measuring 40 feet long with an outside diameter not more than 0.5-inches smaller than internal diameter of casing being tested). The well will be deemed adequately straight if the pipe or dummy can be lowered freely the entire depth of the well.
- E. If the well cannot meet the specified criteria for plumbness and alignment, the Contractor shall correct the well at the Contractor's expense or abandoned due to the fault of the Contractor and a new well shall be constructed at no additional cost to the City.

Section 107: DEVELOPMENT OF WATER SUPPLY WELLS

1. GENERAL

1.01 SUBMITTALS

A. Well Development Plan

- 1. Prior to the start of well development, the Contractor shall develop and submit a well development plan to the City's Representative for approval that describes how the Contractor shall sequence well development activities, including specifications for any equipment or materials to be used for well development and also the proposed methods and frequency of collecting measurements of water levels, pumping rates, turbidity, and fines content.

B. Well Development Documentation

- 1. The Contractor shall submit documentation of well development (measurements of fines content and turbidity, the durations of development activities, water levels, and flowrates) to the City's Representative for approval within three days of completing well development.

1.02 WELL DEVELOPMENT DESCRIPTION

- A. After the well screen assembly and filter pack envelope have been installed, the Contractor shall develop the well. Well development shall be completed prior to aquifer testing to remove the silt/finer sand fraction to establish a hydraulic connection between the well and the aquifer and so that representative aquifer testing results can be achieved.

2. PRODUCTS

2.01 WELL DEVELOPMENT

A. Equipment

1. Water Level Measurement Drop Pipe
 - a. The Contractor shall provide one drop pipe to facilitate the collection of water level measurements during development.
 - b. The drop pipe shall have an inside diameter (ID) of at least 2-inches.
 - c. The drop pipe shall consist of threaded and machine slotted Schedule 40 PVC.
 - d. The bottom ten feet of the drop pipe shall be machine slotted or perforated.
2. Flow Control Valve and Flowmeter
 - a. The Contractor shall provide a flow control valve and one calibrated, dual-reading (totalizing and instantaneous in the unit of gallons) flowmeter or approved equivalent to accurately control, maintain, and measure flow rates.
3. Imhoff Cones and Turbidity Meter
 - a. The Contractor shall provide Imhoff Cones for measurement of settleable solids (measured in mL/L) and a turbidity meter for measurement of turbidity (measured in NTU) during well development.
4. Surging/Swabbing
 - a. The Contractor shall provide a dual surge block (double-flanged swab) consisting of two rubber disks separated by a length of perforated pipe.
 - b. The dual surge block shall be appropriately sized for use in a 12-inch diameter well casing and screen. The outside diameter of the rubber disks shall be no more than ½- inch smaller than the inside diameter of the well diameter being developed.
 - c. The Contractor shall be able to attach the dual surge block to an airlifting, submersible pumping, or impulse generation system to facilitate simultaneous surging/swabbing and removal of fines.
5. Pumping/Airlifting
 - a. The Contractor shall provide a submersible pumping or airlifting system to evacuate water and other material generated during rehabilitation activities.
 - b. The pumping/airlifting system shall be able to evacuate water and material from discrete intervals of the well (zonal or dual-isolation pumping) by equipping the pumping/airlifting system

with dual surge blocks (or other approved methods) to create an isolation interval of between 5-10 feet.

- c. The pumping/airlifting system shall be appropriately sized for use in 12-inch diameter well casing and screen and also be able to accommodate other downhole development equipment (drop pipes, wiring, surge blocks, etc.).
- d. The pumping/airlifting system shall be capable of producing relatively steady flowrate of at least 450 gpm with a pump/eductor intake set depth of up to 130 feet bgs, with a pumping water level of 121 feet bgs.
- e. The pumping/airlifting system shall be capable of producing sufficient flow at the bottom of the well to evacuate material generated during development activities.
- f. The pumping/airlifting system shall allow for simultaneous impulse generation during pumping.

6. Impulse Generation

- a. The Contractor shall provide an impulse generation tool and system to agitate and mobilize material from the well screen and near-borehole formation.
- b. The impulse generation system shall be able to agitate and mobilize material from discrete intervals of the well (zonal or dual-isolation impulse generation) by equipping the impulse generation system with dual surge blocks (or other approved methods) to create an isolation interval of between 5-10 feet.
- c. The impulse generation system shall be sized for use in a 12-inch diameter well casing and screen and also be able to accommodate other downhole equipment (drop pipes, wiring, surge blocks, etc.).
- d. The impulse generation system shall allow for simultaneous pumping or airlifting during impulse generation.

B. Chemical Aids

1. Dispersants

- a. The Contractor shall provide Liquid AQUA-CLEAR® Phosphate-Free Dispersant (PFD) as a well development aid, or approved equivalent.
- b. The anticipated minimum treatment volume is one gallon of AQUA-CLEAR® PFD for every 500 gallons of static volume of water in the new well, plus 50 percent excess to account for water in the filter pack envelope and formation interface.

- c. All dispersants used shall be NSF/ANSI 60 certified for use in potable water applications.

3. EXECUTION

3.01 WELL DEVELOPMENT

A. Preparation and Placement of Dispersant

1. The Contractor shall notify the City's Representative at least two days in advance of initiating well development activities at the new well.
2. Prior to beginning well development, the static water column in the well and near-borehole shall be treated with a dispersant solution (AQUA-CLEAR® PFD, or approved equivalent). Preparation and placement of the dispersant shall follow manufacturer specifications and the Contractor's approved well development plan. The dispersant shall be placed into the screened interval via a tremie pipe, thoroughly blended via surging/swabbing, and then agitated repeatedly by swabbing.

B. Surging/Swabbing and Purging

1. Following the placement of the dispersant the Contractor shall complete surging/swabbing and purging of the well.
2. Surging/swabbing and purging of the well shall continue until the well's water quality is no longer meaningfully improving, in the opinion of the City's Representative. For bidding purposes, a duration of 16 hours is anticipated for this phase of development.
3. During this phase of development, the Contractor shall measure and record at 15-minute intervals: the duration of each activity and the corresponding depth interval, the total quantity of material purged from the well, and observations related to water quality changes (settleable solids and turbidity).
4. The Contractor shall periodically remove accumulated sediment from the bottom of the well and maintain the total depth of the well during development.

C. Zonal Impulse Generation with Simultaneous Pumping/Airlifting

1. Following the completion of, swabbing, and purging the Contractor shall complete zonal impulse generation with simultaneous pumping/airlifting.
2. After each sequence of developing the full length of the well screen with zonal impulse generation and simultaneous pumping/airlifting, the Contractor shall complete a well performance test that consists of pumping the well at 200-300 gpm for a duration of at least 30 minutes.

3. Well development via impulse generation and dual-isolation surging/pumping shall continue until performance testing indicates that, in the opinion of the City's Representative, the well's performance and water quality are no longer meaningfully improving.
4. During this phase of development, the Contractor shall measure and record at 15-minute intervals: the frequency of impulses, the duration of each activity and the corresponding depth interval, the instantaneous pumping rate and pumping water level, and observations related to water quality changes (settleable solids and turbidity).
5. The Contractor shall periodically remove accumulated sediment from the bottom of the well and maintain the total depth of the well during development.

D. Step-Rate Testing

1. The step-rate test shall consist of pumping at up to four different rates, as directed by the City's Representative, with up to 60 minutes of pumping at each step-rate. Each pumping step shall be performed sequentially with no shutdowns between steps; the rate shall increase for each consecutive step.
2. Equipment failure of step-rate test and/or fluctuation in the pumping rate greater than five percent shall void the step-rate test. No payment for failed test and the Contractor shall repeat the required steps for the step-rate test. The Contractor shall notify City Engineer two days prior to performing the step-rate test.

E. Final Well Development with Test Pump

1. An additional four hours for final well development via pumping shall be conducted after the test pump is set prior to aquifer testing. Final development via pumping shall be conducted at a rate determined by the City's Representative.
2. Final well development shall continue until water pumped from the well at the test pumping rate specified by the City's Representative is clear (less than five NTU) and free of fines (less than five mL/L), and/or the water quality and performance of the well is no longer meaningfully improving in the opinion of the City's Representative.

Section 108: AQUIFER TESTING

1. GENERAL

1.01 SUBMITTALS

A. Aquifer Testing Plan

1. Prior to the start of aquifer testing, the Contractor shall develop and submit an aquifer testing plan to the City's Representative for approval that describes how the Contractor shall sequence aquifer testing activities, including specifications for any equipment or materials to be used for aquifer testing and also the proposed methods and frequency

of collecting measurements of water levels, pumping rates, pumped volumes, turbidity, and fines content.

2. The Contractor shall submit calibration records for the flow meters being used to the City's Representative at least two days prior to use of the flow meters.

B. Aquifer Testing Documentation

1. The Contractor shall submit documentation of aquifer testing (measurements of water levels, instantaneous flowrates, and cumulative pumped volumes) to the City's Representative for approval within five days of completing aquifer testing.

1.02 AQUIFER TESTING DESCRIPTION

- A. Aquifer testing shall consist of one step-rate test and one constant-rate test (with associated recovery monitoring).
- B. Water produced during aquifer testing shall be managed according to the provisions of the Contractor's approved Water Management Plan, and as described by in these specifications.

2. PRODUCTS

2.01 AQUIFER TESTING EQUIPMENT

A. Water Level Measurement Drop Pipes

1. The Contractor shall provide two drop pipes to facilitate the collection of water level or downhole field parameter measurements during aquifer testing.
2. The drop pipes shall have an inside diameter (ID) of at least 2-inches.
3. The drop pipes shall consist of threaded and machine slotted Schedule 40 PVC.
4. The drop pipes shall be extended to the top of the screen or the test pump intake and shall be capped at the bottom.
5. The bottom ten feet of the drop pipes shall be machine slotted or perforated.

B. Flow Control Valve and Flowmeters

1. The Contractor shall provide a flow control valve and two calibrated, dual-reading (totalizing and instantaneous in the unit of gallons) flowmeters to accurately control, maintain, and measure the rates of the well discharge to within 5 percent of the anticipated discharge rates.

C. Test Pump

1. The Contractor shall supply the test pump, all materials, labor,

appurtenances, equipment, incidentals and testing necessary, and shall perform all operations and testing required to complete aquifer testing as described in these specifications.

2. Minimum requirements for the test pump include the following:
 - a. Operating and throttling capabilities to control the pumping rate within an anticipated range of between 100 and 550 gpm.
 - b. An estimated intake depth setting of 50 feet (above the top of the well screen assembly).
 - c. An estimated pumping lift (exclusive of discharge pressure) of 120 feet.

D. Temporary Conveyance Piping and Discharge Equipment

1. Minimum requirements for temporary conveyance piping (including water sampling hose bibs), temporary treatment facilities, and procedures for the discharge of water produced during aquifer testing are described in Section 01500, Part 1.08.

E. Rossum Sand Sampler

1. The Contractor shall provide, install, and operate per manufacturer's recommendations, a Rossum centrifugal sand sampler, or approved equivalent, for measuring the sand content of water produced during aquifer testing.

- F. All aquifer testing equipment furnished by the Contractor shall remain the property of the Contractor and shall be removed from the work site upon completion of aquifer testing.

3. EXECUTION

3.01 AQUIFER TESTING

- A. Upon satisfactory completion of well development, the well shall be allowed to rest for a minimum of 12 hours before aquifer testing can begin.

3.02 STEP-RATE TESTING

- A. The step-rate test shall consist of pumping at up to four different rates, as directed by the City's Representative, with up to 60 minutes of pumping at each step-rate. Each pumping step shall be preformed sequentially with no shutdowns between steps; the rate shall be increased for each consecutive step.
- B. For planning purposes, the anticipated rates for the step-rate test are 150, 275, 400, and 550 gpm.
- C. During the final step-rate test, the Contractor shall monitor and record the flow rate (gpm), total gallons pumped, and pumping water level using an

electronic water level meter. The time and date when each measurement is made shall also be recorded. The monitoring intervals for these measurements during the step-rate test are as follows:

Time After Pumping Started or After Step-Rate Increases (minutes)	Monitoring Intervals (minutes)
0-10	1
10-60	5
>60	10

- D. Failure of the Contractor’s equipment during step-rate test and/or fluctuation in the pumping rate greater than five percent shall void the step-rate test and the Contractor shall receive no payment for the failed test. After a failed test, the Contractor shall restart the step-rate test and repeat the test in accordance with steps A-C stated above.
- E. The Contractor shall notify the City’s Representative at least two days in advance of performing the step-rate test.

3.01 CONSTANT-RATE TESTING AND RECOVERY MONITORING

- A. Upon recovery of the static water level in the well to within ½-foot of the previously recorded static water level, or within 95 percent of its pre- static water level, whichever is least, the constant-rate test shall begin.
- B. The constant-rate test shall be conducted at a pumping rate specified by the City’s Representative for a period of up to 24-hours.
- C. During the constant-rate test, the Contractor shall monitor and record the flow rate (gpm), total gallons pumped, and pumping water level using an electronic water level meter. The time and date when each measurement is made shall also be recorded. The monitoring intervals for these measurements during the constant-rate test are as follows:

Time After Pumping Started or Stopped (minutes)	Monitoring Interval (minutes)
0 – 10	1
10 – 60	5
60 – 240	15
> 240	60

- D. At least one pump-tender shall be on hand at all times during active pumping to operate and maintain the pumping equipment and to ensure the pump and power source are operating properly, collect pumping rate and manual water

level measurements throughout the test, and monitor the discharge piping to ensure water generated during pumping is disposed of properly and safely.

- E. Failure of the Contractor's equipment during the constant-rate test, fluctuation in the pumping rate greater than five percent, and/or shutdown due to noncompliance with noise limits shall void the constant-rate test and the Contractor shall receive no payment for the failed test. After a failed test, the Contractor shall restart the constant-rate test and repeat the test in accordance with Paragraphs A through C above.
- F. Following the cessation of the pumping phase of the constant-rate test, the Contractor shall assist with measuring and recording the water level within the well according to the monitoring schedule provided in Paragraph C above.
- G. The Contractor shall not remove any aquifer testing equipment from the well for a period of at least 24 hours after pumping ended, or as directed by the City's Representative.

Section 109: VIDEO SURVEYING OF WATER SUPPLY WELLS

1. GENERAL

1.01 SUBMITTALS

- A. Video Surveying Documentation:
 - 1. The Contractor shall submit two flash drives or other digital media copies of the well video survey to the City's Representative within five days of completing video surveying.

1.02 VIDEO SURVEYING

- A. The Contractor shall complete a video survey of the full length of the completed well, from the top of the casing stickup to the total depth of the well.

2. PRODUCTS

2.01 WELL VIDEO SURVEYING TOOLS

- A. The Contractor shall provide the necessary equipment to complete a color video survey of the entire length of the completed well.
- B. The camera shall be equipped with side-viewing capability without the use of mirrors and shall have depth below ground surface encoded on the video.
- C. The camera shall not have been used to video boreholes containing contaminated groundwater.

- D. The camera and cable shall be disinfected using a liquid sodium hypochlorite solution prior to installation into the well.

3. EXECUTION

3.01 VIDEO SURVEYING

- A. The Contractor shall notify the City's Representative at least two days in advance of performing the video survey of the new well.
- B. The video survey shall be conducted after all sediment accumulating in the well from well development and aquifer testing has been removed and after fresh water has been introduced from the surface to clarify water standing in the well as needed.
- C. If the water column in the well is too cloudy, the Contractor shall flush the well with potable water and allow sufficient time for the well to become clear so that, in the opinion of City's Representative, the video survey will show sufficient detail. If the quality of the video does not meet the approval of the City's Representative, the Contractor shall re-video the well at no additional cost to the City.

Section 110: DISINFECTION OF WATER SUPPLY WELLS

1. GENERAL

1.01 REFERENCE STANDARDS

- A. The following is a list of standards that may be referenced in this division:
 - 1. American Water Works Association (AWWA):
 - a. C654-13, Standard for Disinfection of Wells
 - 2. Oregon Water Resources Department (OWRD):
 - a. OAR 690-210-0380

1.02 SUBMITTALS

- A. Well Disinfection Plan
 - 1. Prior to the start of well disinfection, the Contractor shall develop and submit a well disinfection plan to the City's Representative for review and approval that describes how the Contractor shall conduct and sequence the well disinfection activities, including specifications for equipment, materials, and quantities of chemicals to be used for well disinfection and de-chlorination and also the proposed method for measuring the chlorine concentration of the disinfection solution.

1.03 WELL DISINFECTION

- A. The Contractor shall disinfect the well after completion of aquifer testing, or as directed by the City's Representative.

2 PRODUCTS

2.01 WELL DISINFECTION TOOLS AND MATERIALS

- A. The Contractor shall provide the necessary equipment to disinfect the well as specified in AWWA C654-13 and as specified in Part 3 of this section.
- B. The Contractor shall use 12 percent liquid sodium hypochlorite and Johnson Screen NW-410 chlorine enhancer, or approved equivalent(s).
- C. Ascorbic acid, sodium ascorbate, or equivalent pre-approved by the City's Representative for chlorine neutralization.
- D. All disinfection chemicals used shall be NSF/ANSI 60 certified for use in potable water applications.

3 EXECUTION

3.01 WELL DISINFECTION

- A. The Contractor shall disinfect the well immediately following the recovery phase of the aquifer test, or as directed by the City's Representative. The well shall be disinfected in accordance with OAR 690-210-0380 and ANSI/AWWA C654, except as modified herein.
- B. The method of chlorination to be used shall consist of treating the water in the well casing using liquid sodium hypochlorite and Johnson Screen NW-410 chlorine enhancer (or approved equivalent) to provide a chlorine residual between 50 and 200 mg/L throughout the entire water column in the well, circulating the chlorinated water within the well casing and pump column, allowing the solution to remain in the well overnight, and pumping the well to remove the disinfectant solution.
- C. The disinfectant solution should be prepared by first adjusting the pH of the water with NW-410 to between 4.5 and 5 standard units. The liquid sodium hypochlorite should be added to the solution after achieving the target pH range and thoroughly mixed before being placed in the well.
- D. The quantity of chemicals used for the disinfection solution shall be recommended by the Contractor and approved by the City's Representative prior to introduction into the well.
- E. The Contractor shall purge the well of remaining chlorinated water after the overnight contact time and dechlorinate the purge water prior to disposal at the approved discharge location.

- F. The Contractor shall notify the City's Representative at least two days in advance of disinfecting the well.

Section 111: MEASUREMENT AND PAYMENT

1. GENERAL

1.01 BID ITEMS

A. Bid Item 1 - Mobilization / Demobilization

- 1. The measurement unit for this work is lump sum.
- 2. The lump sum price for payment shall be as specified in the bid schedule (Item No. 1) submitted by the Contractor for this project.
- 3. The lump sum price shall be full compensation for all labor and materials required to obtain the necessary start cards and other applicable permits; transport personnel, equipment, and operating supplies to and from the work site; furnish and establish temporary utilities (including but not limited to power and water supplies); coordinate and complete utility locates; prepare the well site for drilling, well construction, and testing as described in these specifications; manage and dispose of drill cuttings; develop and provide the required submittals; and remove materials and equipment and cleanup site after the work has been completed.
- 4. Progress estimates and payments for mobilization/demobilization will be made in accordance with the following schedule:
 - a. Mobilization to the site, completion of utility locates, and set up for well drilling: 50 percent
 - b. Completion of well drilling, construction, and development: 25 percent
 - c. Site cleanup and demobilization: 25 percent

B. Bid Item 2 – Erosion Control, Erosion and Sediment Control Plan, and Drilling Tailing Removal and Disposal

- 1. The measurement unit for this work is lump sum.
- 2. The lump sum price for payment shall be as specified in the bid schedule (Item No. 2) submitted by the Contractor for this project.
- 3. The lump sum price shall include the cost of all labor, materials and equipment used to provide, install, maintain, and remove erosion and sedimentation control devices and measures at the work site. The lump sum bid price shall include all costs associated with the preparation of the plans and modifications to the plans required to achieve compliance

with all applicable requirements. The lump sum bid price shall also include removal or replacement of degraded measures with new materials when directed by the City or City's Representative.

4. Progress estimates and payments for erosion and sediment control will be made in accordance with the following schedule:
 - a. When the Erosion and Sediment Control plan has been submitted and all erosion and sedimentation control materials and measures are in place and have been inspected by the City: 50 percent.
 - b. When drilling and installation of the well is complete: 25 percent.
 - c. Upon completion of all work on the project, final inspection and approval from the City's Representative: 25 percent.
5. The Contractor shall not be paid standby time in the event the project is shut down due to nonconformance of the Erosion and Sediment Control plan or Federal, State, or local requirements.

C. Bid Item 3 - Water Management and Turbidity Reduction

1. The measurement unit for this work is lump sum.
2. The lump sum price for payment shall be as specified in the bid schedule (Item No. 3) submitted by the Contractor for this project.
3. The lump sum bid price shall include the cost of all labor, materials and equipment used to provide, install, and remove the approved water management and turbidity reduction facilities at the work site. The lump sum bid price shall include all costs associated with the preparation of the plans, modifications to the plans required to achieve compliance with the contract, the turbidity standard set by the City and maintenance of the measures in accordance with the regulatory standards for turbidity reduction. The lump sum bid price shall also include removal or replacement of degraded measures with new materials when directed by the City or City's Representative.
4. Progress estimates and payments for water management and turbidity reduction will be made in accordance with the following schedule:
 - a. When the approved water management mechanisms are in place for drilling and have been inspected and approved by the City's Representative: 50 percent.
 - b. Completion of well drilling, construction, and development: 25 percent.
 - c. Site Cleanup and Demobilization: 25 percent.
5. The Contractor shall not be paid standby time in the event the project is shut down due to nonconformance of the Water Management Plan or Federal, State, or local requirements.

D. Bid Item 4 - Spill Prevention, Control, and Countermeasures

1. Measurement and payment for spill prevention and control shall be on a lump sum basis.
2. The lump sum price for payment shall be as specified in the bid schedule (Item No. 4) submitted by the Contractor for this project.
3. The lump sum price shall be full compensation for all labor and materials required for preparation of the spill prevention and control plan, and implementation of spill countermeasures.
4. Progress payments for spill prevention and control will be made in accordance with the following schedule:
 - a. Submittal of the spill prevention, control and countermeasures (SPCC) plan: 50 percent.
 - b. Site cleanup and demobilization: 50 percent.

E. Bid Item 5 – Drill 16” Diameter Minimum Borehole

1. The measurement unit for this work is lineal foot (vertical) of borehole drilled and shall include all labor, equipment, and materials for advancing the borehole, including furnishing, installing and removing temporary casing, and formation sampling. The value for payment shall be measured to the nearest foot, as recorded by the City's Representative. Measurement shall be taken from the ground surface to the total drilled depth.
2. Payment shall be the unit price specified in the bid schedule submitted by the Contractor for this project multiplied by the borehole footage.
3. If additional borehole drilling footage is required and approved by the City's Representative beyond what is indicated in these specifications, then the Contractor shall be reimbursed for the additional footage of borehole drilling at the unit price specified in the bid schedule submitted by the Contractor for this project.

F. Bid Item 6 - Plumbness Testing

1. The measurement unit for this work/service is lump sum, and shall include all labor, equipment, and materials. Measurement includes completion and acceptance of the plumbness test.
2. The lump sum price for payment shall be as specified in the bid schedule (Item No.6) submitted by the Contractor for this project for the full length of the well.
3. There will be no payment for rig time, idle time, or standby time while the test is being conducted or evaluated.

G. Bid Item 7 - Alignment Testing

1. The measurement unit for this work/service is lump sum, and shall include all labor, equipment, and materials. Measurement includes completion and acceptance of the alignment test.
2. The lump sum price for payment shall be as specified in the bid schedule (Item No.7) submitted by the Contractor for this project for the full length of the well.
3. There will be no payment for rig time, idle time, or standby time while the test is being conducted or evaluated.

H. Bid Item 8 - 12" Stainless Steel Type 304L "V" Wire Continuous Slot Well Screen

1. The measurement unit for this work is linear foot (vertical) of 12-inch diameter well screen furnished and installed, and shall include all labor, equipment, tools and materials. The value for payment shall be as measured to the nearest foot, as recorded by the City's Representative. Measurement shall be the total length of well screen installed.
2. Payment shall be the unit price specified in the bid schedule submitted by the Contractor for this project multiplied by the length of 12-inch diameter well screen furnished and installed.
3. If additional well screen is required and approved by the City's Representative beyond what is indicated in these specifications, then the Contractor shall be reimbursed for the additional well screen on a per foot basis at the unit price specified in the bid schedule submitted by the Contractor for this project.

I. Bid Item 9 - Install Filter Pack for Production Well per Hydrogeologist Design and City Engineer's Approval

1. The measurement unit for this work is linear foot (vertical) of filter pack envelope furnished and installed, and shall include all labor, equipment, tools, and materials required to design and install the filter pack, and shall include settling and maintaining the filter pack envelope through casing pullback and development of the well. Measurement for payment shall be rounded to the nearest foot, as recorded by the City's Representative.
2. Payment shall be the unit price specified in the bid schedule submitted by the Contractor for this project multiplied by the linear footage of filter pack envelope furnished and installed.
3. No separate payment will be made for time while filter pack material is added to maintain the filter pack envelope.

4. If additional filter pack envelope is required and approved by the City's Representative beyond what is indicated in these specifications, then the Contractor shall be reimbursed on a per foot basis at the unit price specified in the bid schedule submitted by the Contractor for this project.
- J. Bid Item 10 - Well Development of Screened Production Zone by Surging/Bailing
1. The measurement unit for this work is hours of well development time for all labor and equipment associated with well development, and gallons of AQUA- CLEAR PFD dispersant.
 2. Measurement for payment for development time shall be rounded to the nearest ½-hour, as recorded by the City's Representative. Measurement begins when the development equipment installed in the well is placed in operation and shall end when the operation is stopped at the direction of the City's Representative.
 3. Payment for well development time shall be the unit price specified in the bid schedule submitted by the Contractor for this project multiplied by the number of development hours completed for the following activities:
 - a. Surging/Swabbing and Purging
 - b. Zonal Impulse Generation with Simultaneous Pumping
 - c. Final Well Development (Test Pump)
 4. No payment shall be made for time unrelated to development, including for example, repairs, equipment breakdown, tool swapping or tripping, tool fishing, and weather delays.
 5. If additional well development time is required for well development and approved by the City's Representative beyond what is indicated in these specifications, then the Contractor shall be reimbursed for the additional development time on a per hour basis at the unit price specified in the bid schedule submitted by the Contractor for this project for the specific well development activity completed.
 6. Payment for dispersant shall be at the unit price specified in the bid schedule submitted by the Contractor for this project multiplied by the quantity of dispersant chemicals used.
 7. If an additional quantity of dispersant is required and approved by the City's Representative beyond what is indicated in these specifications, then the Contractor shall be reimbursed for the additional dispersant on a per unit basis at the unit price specified in the bid schedule submitted by the Contractor for this project.
- K. Bid Item 11 - Install Final Sand/Bentonite/Cement Seal

1. The measurement unit for this work is lineal feet (vertical) of the 16-inch borehole drilled and to be completed as a surface seal. The measurement shall include all labor, equipment and materials required to place the seal material. The value for payment shall be measured to the nearest foot, as recorded by the City's Representative.
 2. Payment shall be the unit price specified in the bid schedule (Item No.11) submitted by the Contractor for this project multiplied by the footage of 16-inch borehole sealed.
 3. If additional surface seal drilling footage is required and approved by the City's Representative beyond what is indicated in these specifications, then the Contractor shall be reimbursed for the additional footage of borehole drilling at the unit price specified in the bid schedule submitted by the Contractor for this project.
- L. Bid Item 12 - Perform 24 Hr Yield and Drawdown Test on Production Well
1. The measurement unit for this work is lump sum, and shall include all materials, equipment, and labor to furnish, install, operate, and remove the test pump, power source, and appurtenances for aquifer testing, along with all labor associated with constant rate testing and recovery monitoring. Measurement for payment shall be completion of the aquifer tests.
 2. The lump sum price for payment shall be at the unit price as specified in the bid schedule (Item No.12) submitted by the Contractor for this project multiplied.
 3. No payment will be made for running equipment into or out of the well. No payment shall be made for any recovery testing periods. No payment will be made for delays resulting from equipment stuck in the wells, arranging pumping or testing equipment, or failure to conduct the operations in a diligent and workmanlike manner by which the desired results could ordinarily be expected.
 4. Failure of the Contractor's equipment used during the constant-rate test, fluctuation in the pumping rate greater than five percent, and/or shutdown due to noncompliance with noise limits, or erosion and sediment control, or water management plans, shall void the constant-rate test and the Contractor shall receive no payment for the failed test. After a failed test, the Contractor shall restart the constant-rate test and repeat the test as specified herein.
- M. Bid Item 13 - Video Surveying
1. The measurement unit for this work is lump sum for all work associated with the well video survey. Measurement shall be completion of the survey and delivery of the well video to the City's Representative.
 2. The lump sum price for each well video survey shall be as specified in the bid schedule (Item No.13) submitted by the Contractor for this

project.

3. There shall be no additional payment for rig time or idle time while the surveys are being conducted. Payment shall not be made if the video is poor quality or the video does not cover the specified depth interval. The Contractor shall not be paid for standby time while the well is being flushed and/or while the Contractor is waiting for the well to clear.

N. Bid Item 14 - Well Disinfection

1. The measurement unit for this work is lump sum for all labor, materials, and equipment associated with well disinfection including chemical types and quantities required for the disinfection and de-chlorination of the purge water pre-disposal.
2. The lump sum price for well disinfection shall be as specified in the bid schedule (Item No.14) submitted by the Contractor for this project.
3. There shall be no additional payment for rig time or idle time while the disinfection is being conducted or the standing chemical contact time recommended by the manufacturer(s) or purge time required for de-chlorination.

O. Bid Item 15 - Well Surface Completion

1. The measurement unit for this work is lump sum for all work associated with surface completion at the wellhead, and shall include all labor, equipment, tools and materials.
2. The lump sum price for the surface completion shall be as specified in the bid schedule submitted by the Contractor for this project.

P. Bid Item 16 - Site Cleanup

1. The measurement unit for this work is lump sum.
2. The lump sum price shall include the cost of all labor, equipment, and materials required to clean the well to the satisfaction of the City.
3. Payment of 100 percent of the lump sum price for site cleanup as specified in the bid schedule submitted by the Contractor for this project will be paid upon completion of all work on the project, final inspection, and approval from the City's Representative.

Q. Bid Item 17 – Standby Time

1. The measurement unit for this work is in hours. Time lost to the project schedule due to unavoidable and unforeseen events. Time lost from the stoppage of work at the request of the City.
2. The duration of idle time greater than one (1) hour accrued at the request of the City. The Contractors workers and equipment shall remain onsite

while standby time is in effect. In the event of standby time, the City shall pay the Contractor for equipment and crew per hour, not to exceed eight (8) hours per working day. No standby time will be paid during screen design, fabrication, and shipment to site, or for the recovery period following the step-rate or constant-rate aquifer tests.

R. Bid Item 18 – Aquifer Testing: Step-Rate Testing

1. The measurement unit for this work is in hours.
2. The hour price includes the time required to perform the tasks to the satisfaction of the City. This does not include failure of equipment during the step-rate test and/or fluctuation in the pumping rate greater than five percent which concludes in a failed test.

S. Bid Item 19 – Sound Abatement

1. The measurement unit for this work is in lump sum.
2. Payment will be made in full for furnishing and placing materials, and for furnishing all equipment, labor, and incidentals necessary to complete the work as specified.
3. Comply with ORS Chapter 467, OAR 340-005, all other applicable laws, and the following construction noise abatement measures in Oregon Standard Specifications for Construction Section 00290.32.

T. Bid Item 20 – Remove and Replace Fence

1. The measurement unit for this work is in lump sum.
2. Payment will be made in full for furnishing and placing materials, and for furnishing all equipment, labor, and incidentals necessary to complete the work as specified.

U. Alternate Bid Item 1 and 2 - Well Casing

1. The measurement unit for this work is lineal feet (vertical) of well casing installed, and shall include weld rings, all labor, equipment and materials. The value for payment shall be as measured to the nearest foot, as recorded by the City's Representative. Measurement shall be the total length of well casing installed.
2. Payment shall be the unit price specified in the bid schedule submitted by the Contractor for this project multiplied by the length of well casing furnished and installed.
3. If additional well casing is required and approved by the City's Representative beyond what is indicated in these specifications, then the Contractor shall be reimbursed for the additional casing on a per foot basis at the unit price specified in the bid schedule submitted by the Contractor for this project.

**Section 800
PERMIT INFORMATION**

**Contractor responsible for acquiring Oregon Water Resources Department (OWRD)
Water Well Permit**

Section 900 CONSTRUCTION DRAWINGS

DRAWINGS DATED April 14th, 2023

C0.0 – Cover Sheet

C0.1 – General Construction Notes

C1.0 – Existing Conditions

C2.0 – Site Plan

C3.0 – Details