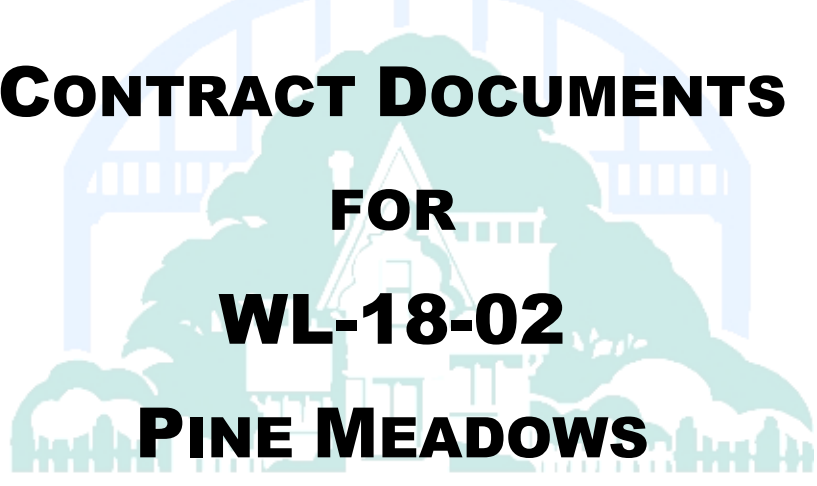


# City of Albany, Oregon

If contractor obtains these documents by means of a website or copied from a Plan Center, it is the responsibility of the contractor to check for any addendums to this contract prior to bid opening. **To be notified of addendums, contractor may call 541-917-7676 and request to be added to the plan holders list.**

**Failure to include any signed Addendums could result in the disqualification of your bid.**



## **CONTRACT DOCUMENTS FOR WL-18-02 PINE MEADOWS WATER LINE REPLACEMENT**

*Albany*  
OREGON



**July 2, 2018**

EXPIRATION DATE: 12/31/2018

**Public Works Engineering Director .....Jeff Blaine, P.E.**  
**City Engineer.....Staci Belcastro, P.E.**  
**Project Manager.....Nolan Nelson, P.E.**

For more information on this project, contact Nolan Nelson at 541-791-0130.

## **PUBLIC WORKS – ENGINEERING**

CITY OF ALBANY

**WL-18-02, Pine Meadows Water Line Replacement**

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## BIDDER'S SUBMITTAL CHECKLIST

**Bids must be submitted by the time designated and the address listed in the advertisement for the Invitation to Bid at the City Hall Parks and Recreation Department/Information counter and marked received by City staff indicating the time and date as shown on the City Bid Clock in the Parks Department. Any bid submitted after the designated closing time or to any other location will be determined nonresponsive and will not be opened. It is the responsibility of the Bidder to deliver the bid by the indicated deadline to the designated location.**

**If the Bidder submits a proposal via a delivery service (FedEx, UPS, USPS, etc.) the required sealed envelope must be enclosed in the delivery service packaging and the Project Title of the bid should be written on the outside delivery service packaging. The City is not responsible for late or mishandled delivery, regardless of the method of delivery.**

**Bids should be delivered to and stamped received by the Parks & Recreation Department Counter staff at City Hall to be considered Responsive. Bidder is solely responsible for the bid to be delivered to the correct location by the correct time.**

**All bids must be submitted on City-provided forms that do not contain unauthorized alterations.**

All bids shall include the following submittals or may be considered non-responsive:

- Signed Proposal (*two pages*) - *with all applicable blanks completed*
- Completed Schedule of Contract Prices - *signed by an authorized representative of the company who can "execute bids."*
- Bid Bond – *using City-provided Bid Bond form with no alterations*
- Employee Drug Testing Certification form
- Signed Addenda (*if Addenda have been issued*)

***Submitted within two hours after bid closing time (required under ORS 279C.370):***

- First-Tier Subcontractor Disclosure form – signed and if “none” indicate as such

***Other than what is listed above, it is not necessary to submit any additional pages with the bid.***



NOTICE TO CONTRACTORS  
CITY OF ALBANY  
INVITATION TO BID

Category of Bid: Construction  
Engineer's Estimate: \$941,000

Bids due at 2:00 p.m., Tuesday, July 17, 2018

**Bids Due at 2:00 p.m., Tuesday, July 24, 2018 (Changes per Addendum No. 1)**

The City of Albany hereby extends an invitation to submit bids for:

**WL-18-02, Pine Meadows Water Line Replacement:** This project will replace approximately 4,000 feet of 8-inch asbestos cement water lines with new 8-inch HDPE water lines.

Bids submitted shall be filed in sealed envelopes and received at the City of Albany Parks & Recreation counter, not later than 2:00 p.m., Tuesday, ~~July 17, 2018~~ **July 24, 2018**, addressed to the attention of Diane Murzynski, Purchasing Coordinator, at Albany City Hall, Finance Department, 333 Broadalbin Street SW, Albany, OR 97321. The outside of the envelopes shall plainly identify: (1) the Project name, (2) the Bid Opening time and date, (3) the Bidder's name, and (4) the Contractor's license number (per ORS 701). Immediately following the filing deadline, the bids shall be opened and publicly read in the ~~Calapooia~~ **Periwinkle** Room of City Hall. Bid totals will be posted on the City's website at <http://www.cityofalbany.net/departments/finance/city-purchasing/bids-rfps-rfqs>.

Contract bid documents may be examined at the Office of the Public Works Director, City Hall, 333 Broadalbin Street SW, Albany, Oregon, 541-917-7676; downloaded from the City of Albany website at <http://www.cityofalbany.net/departments/finance/city-purchasing/bids-rfps-rfqs>; or a printed set may be purchased for \$35. It is imperative those who download the contract bid documents check the website regularly for addenda, clarifications, and other pertinent notifications. All who are known by the City of Albany to have received a complete set of the contract bid documents will receive notification when additional items are posted. Please call 541-917-7676 to be added to the Plan Holder's list.

Each bidder must have access to a current set of City of Albany *Standard Construction Specifications*, which can be found on the City's website at <http://www.cityofalbany.net/departments/public-works/engineering/standard-construction-specifications> or a printed set may be purchased for \$100. All public improvements are required to conform to these specifications and bid prices shall reflect these specifications. For project information, call Nolan Nelson at 541-791-0130.

All City contracts contain a statement declaring that the bidder agrees to comply with the provisions of ORS 279C.800 through 279C.870 regarding payment of prevailing wages. The City's contract contains a clause which incorporates by reference all of the provisions of ORS Chapter 279C which are applicable to public contracts. Bidders are expected to be familiar with these provisions including, but not limited to, recent changes to ORS Chapter 279C.

**No bid shall be received or considered unless the bidder is licensed by the Construction Contractors Board for construction projects or licensed with the State Landscape Contractors Board for landscaping projects.**

A 10% bid bond, certified check, or cashier's check shall accompany each bid on all projects and shall be forfeited if the bidder fails to enter into a Contract with the City of Albany within ten (10) days after the date of the Notice of Award.

DATED this 2nd day of July 2018.

Diane M. Murzynski, CPPO, CPPB  
Purchasing Coordinator

PUBLISH: Daily Journal of Commerce on July 2, 2018  
Albany Democrat-Herald on July 2, 2018

## PROPOSAL

To the Honorable Mayor and City Council  
Albany, Oregon 97321

### BIDDER'S DECLARATION AND UNDERSTANDING

The undersigned Bidder declares that the Contract Documents for the construction of the proposed improvement have been carefully examined; that the site has been personally inspected; that the Bidder is satisfied as to the quantities of materials, items of equipment and conditions or work involved including the fact that the description of the quantities of work and materials as included herein is brief and is intended only to indicate the general nature of such items and to identify the said quantities with the detailed requirements of the Contract Documents; and that the Bidder's proposal is made according to the provisions and under the terms of the Contract Documents, which documents are hereby made a part of this proposal.

The Bidder further declares that the only persons or parties interested in this proposal are those named herein; that this proposal is in all respects fair and without fraud; that it is made without collusion with any official of the City of Albany, and that the proposal is made without any connection or collusion with any person making another proposal on this Contract.

The Bidder further declares by the signing of this proposal that all the provisions required by ORS 279C.800 through 279C.870 relating to the payment of prevailing wage rates for work performed under the Contract with the City of Albany shall be complied with.

The Bidder further agrees that its own judgment has been exercised regarding the interpretation of subsurface information and all data which it believes pertinent from the Engineer, Owner, and other sources in arriving at these conclusions have been utilized.

### CONTRACT EXECUTION, BONDS, AND INSURANCE

The Bidder agrees that if this proposal is accepted:

- A Contract with the City of Albany, Oregon, will be executed, within ten (10) days after the date of the Notice of Award, in the form of Contract annexed hereto, and will at that time, deliver to the City of Albany the 100% Performance Bond and 100% Payment Bond, and will, to the extent of this proposal, furnish all machinery, tools, apparatus and other means of construction and do the work and furnish all the materials necessary to complete all work as specified or shown in the Contract Documents.
- A Request for Taxpayer Identification Number and Certification (W-9 Form) will be completed as a condition of the City's obligation to make payment. In the event the Bidder shall fail to complete and return the W-9 Form to the City, payment to Bidder may be delayed, or the City may, in its discretion, terminate the Contract.
- ACH Direct Payment Authorization. The City prefers to pay Contractor invoices via electronic funds transfers through the Automated Clearing House (ACH) network. To initiate this more timely, efficient, and secure payment method, Contractors must complete the City's ACH Vendor Direct Payment Authorization Form. These forms are available on the City website at <http://www.cityofalbany.net/departments/finance/city-purchasing/purchasing>. Information provided on the form is exempt from public records disclosure under ORS 192.501(27).
- Certificates of Insurance. The Bidder agrees to furnish the Owner, before commencing the work under this Contract, the certificates of insurance as specified in the *Standard Construction Specifications*.

### START OF CONSTRUCTION AND CONTRACT COMPLETION DATE

If awarded this contract, the Bidder agrees to begin work within 10 calendar days after the date of the Notice to Proceed for the Contract and to complete the construction, in all respects, as set forth in the Special Provisions of these Contract Documents.

### LIQUIDATED DAMAGES

In the event the Bidder is awarded the Contract and shall fail to complete the work within the time stated above or extended time agreed upon, as more particularly set forth in the Contract Documents, liquidated damages shall be paid to the City of Albany, Oregon, as provided under General Requirements, Subsection 108.06.00 of the City of Albany *Standard Construction Specifications*.

**BID BOND**

Accompanying this proposal is a certified check, cashier's check or Bidder's bond in the sum of (10% of Bid Total) \_\_\_\_\_ Dollars (\$ \_\_\_\_\_), according to the General Requirements of the Contract Documents which is to be forfeited as liquidated damages, if, in the event that this proposal is accepted, and the Bidder shall fail to execute the Contract and furnish satisfactory Performance and Payment Bond under the conditions and within the time specified in the Contract Documents; otherwise said check or bond is to be returned to the Bidder.

**SURETY**

If the Bidder is awarded a construction Contract on this proposal, the Surety who provides the Performance Bond will be \_\_\_\_\_ whose address is (street and city) \_\_\_\_\_ and Payment Bond will be \_\_\_\_\_ whose address is (street and city) \_\_\_\_\_.

**LUMP SUM OR UNIT PRICE WORK**

The Bidder further proposes to accept as full payment for the work proposed herein the amounts computed under the provisions of the Contract Documents and based on the following lump sum or unit price amounts, it being expressly understood that the unit prices are independent of the exact quantities involved. The Bidder agrees that the lump sum prices and the unit prices represent a true measure of the labor and materials required to perform the work, including all allowances for overhead and profit for each type and unit of work called for in these Contract Documents.

**BIDDER**

The name of the Bidder submitting this proposal is \_\_\_\_\_ doing business at (street and city) \_\_\_\_\_, which is the address to which all communications concerned with this proposal and with the Contract shall be sent.

In accordance with ORS 279A.120, Bidder hereby declares that it (circle correct designation) is / is not a resident Bidder. The names of the principal officers of the corporation submitting this proposal, or of the partnership, or of all persons interested in this proposal as principals are as follows:

\_\_\_\_\_  
\_\_\_\_\_  
*If Sole Proprietor or Partnership:* IN WITNESS hereto the undersigned has set his/her hand this \_\_\_\_\_ day of \_\_\_\_\_ 2018.

\_\_\_\_\_  
Signature of Bidder Title

*If Corporation:* IN WITNESS WHEREOF the undersigned corporation has duly authorized the execution of this agreement on behalf of the corporation by the officer named below this \_\_\_\_\_ day of \_\_\_\_\_ 2018.

\_\_\_\_\_  
*name of corporation*  
By: \_\_\_\_\_  
Name: \_\_\_\_\_  
*(please print name)*  
Title: \_\_\_\_\_

**SCHEDULE OF CONTRACT PRICES**

ITEM NO.	BID ITEMS	APPROX. QUANTITY	UNIT OF MEASURE	UNIT PRICE DOLLARS/CTS	TOTAL AMT. DOLLARS/CTS
1	Mobilization	1	LS		
2	Temporary Traffic Control	1	LS		
3	Erosion Prevention and Sediment Control	1	LS		
4	8-Inch HDPE Water Line	3,100	LF		
5	4-Inch HDPE Water Line	870	LF		
6	Standard 1-Inch Service Assembly	169	EA		
7	2-Inch Service Assembly	2	EA		
8	8-Inch Gate Valve	8	EA		
9	6-Inch Gate Valve	7	EA		
10	4-Inch Gate Valve	2	EA		
11	10-Inch Butterfly Valve	2	EA		
12	Standard Fire Hydrant Assembly	7	EA		
13	STA 0+00 8-Inch x 8-Inch Connection Assembly	1	LS		
14	STA 27+10 4-Inch x 8-Inch Connection Assembly	1	LS		
15	STA 30+70 10-Inch x 8-Inch Connection Assembly	1	LS		
16	2-Inch Blow-Off Assembly	2	EA		
17	Abandon Existing Water Main	1	LS		
18	Remove and Replace 6-Inch PCC Driveway	700	SY		
19	1-1/2-Inch Asphalt Overlay	965	TON		
20	2-Inch Asphalt Trench Patch	630	SY		
21	3-Inch Asphalt Trench Patch	2,200	SY		
22	1-1/2-Inch Asphalt Grinding	8,700	SY		
23	Remove and Replace 6-Inch PCC Sidewalk	485	SY		
24	Remove and Replace Speed Bumps	6	EA		
25	Adjust Fixtures to Grade	1	LS		
<b>SUM OF EXTENDED TOTALS</b>					

Replaced by Addendum No. 1

**NOTE: Subject to change if addition or extensions are in error.**

Bidder's Signature	Company Name <i>(please print)</i>	Date
Bidder's Name <i>(please print)</i>	Mailing Address <i>(please print)</i>	CCB License Number
Bidder's Title <i>(please print)</i>	City, State Zip	Federal Tax ID Number
Telephone No.: _____	Fax No.: _____	Email: _____

**BID BOND**

BOND NO. \_\_\_\_\_

AMOUNT OF BID: \$ \_\_\_\_\_

KNOW ALL MEN BY THESE PRESENTS, that \_\_\_\_\_ hereinafter called the PRINCIPAL, and \_\_\_\_\_ a corporation duly organized under the laws of the State of \_\_\_\_\_ having its principal place of business at \_\_\_\_\_, in the State of \_\_\_\_\_, and authorized to do business in the State of Oregon, as SURETY, are held firmly bound unto the City of Albany, Oregon, hereinafter called the OBLIGEE, in the sum of \_\_\_\_\_ DOLLARS (\$ \_\_\_\_\_), for the payment of which we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS BOND IS SUCH THAT:

WHEREAS, the PRINCIPAL is herewith submitting his/her/its Bid Proposal for **WL-18-02, PINE MEADOWS WATER LINE REPLACEMENT**, said Bid Proposal, by reference thereto, being hereby made a part hereof.

NOW, THEREFORE, if the Bid Proposal submitted by the PRINCIPAL is accepted, and the Contract awarded to the PRINCIPAL, and if the PRINCIPAL shall execute the proposed Contract and shall furnish such Performance Bond and Payment Bond as required by the Contract Documents within the time fixed by the documents, then this obligation shall be void; if the PRINCIPAL shall fail to execute the proposed Contract and furnish the bond, the SURETY hereby agrees to pay to the OBLIGEE the said sum as liquidated damages, within ten (10) days of such failure.

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_ 2018.

\_\_\_\_\_  
PRINCIPAL

\_\_\_\_\_  
SURETY

By: \_\_\_\_\_

By: \_\_\_\_\_

Attorney in Fact



**EMPLOYEE DRUG TESTING PROGRAM CERTIFICATION**

**ORS 279C.505 (2)** requires that bidders shall demonstrate and disclose to the City of Albany that he/she has an employee drug testing program in place before a public contract can be awarded.

Therefore, by signing this Certification, the Bidder does hereby certify and confirm that, as the proposed general contractor for City of Albany Project **WL-18-02, Pine Meadows Water Line Replacement** that he/she has an employee drug testing program in place that is consistent with, and satisfies the intent of, the above-referenced legislation.

**CONTRACTOR:** \_\_\_\_\_

**BY:** \_\_\_\_\_

**TITLE:** \_\_\_\_\_

**DATE:** \_\_\_\_\_

**FIRST-TIER SUBCONTRACTOR DISCLOSURE**

**PROJECT NAME:** Pine Meadows Water Line Replacement      **BID NUMBER:** WL-18-02

**BID CLOSING DATE:** Tuesday, July 17, 2018 July 24, 2018 (Changes per Addendum No. 1)

**TIME:** 2:00 p.m.

This form must be submitted at the location specified in the Invitation to Bid on the advertised bid closing date and within two working hours after the advertised bid closing time.

List below the name of each subcontractor that will be furnishing labor or will be furnishing labor and materials and that is required to be disclosed, the category of work that the subcontractor will be performing and the dollar value of the subcontract.

Enter "NONE" if there are no subcontractors that need to be disclosed.  
 (Attach additional sheets if needed.)

---

Failure to submit this signed form by the disclosure deadline will result in a non-responsive bid.  
 A non-responsive bid will not be considered for award.

Subcontractor's Name	Category of Work	Dollar Value
1.		\$
2.		\$
3.		\$
4.		\$
5.		\$
6.		\$
7.		\$
8.		\$
9.		\$

Form submitted by (bidder name): \_\_\_\_\_ Phone No.: \_\_\_\_\_  
*(Signature)*

Contact Name: \_\_\_\_\_ Company: \_\_\_\_\_

**ORS 279C.370 First-tier subcontractor disclosure.** (1)(a) Within two working hours after the date and time of the deadline when bids are due to a contracting agency for a public improvement contract, a bidder shall submit to the contracting agency a disclosure of the first-tier subcontractors that:

- (A) Will be furnishing labor or will be furnishing labor and materials in connection with the public improvement contract; and
- (B) Will have a contract value that is equal to or greater than five percent of the total project bid or \$15,000, whichever is greater, or \$350,000 regardless of the percentage of the total project bid.

(b) For each contract to which this subsection applies, the contracting agency shall designate a deadline for submission of bids that has a date on a Tuesday, Wednesday or Thursday and a time between 2 p.m. and 5 p.m., except that this paragraph does not apply to public contracts for maintenance or construction of highways, bridges or other transportation facilities.

(c) This subsection applies only to public improvement contracts with a value, estimated by the contracting agency, of more than \$100,000.

(d) This subsection does not apply to public improvement contracts that have been exempted from competitive bidding requirements under ORS 279C.335 (2).

(2) The disclosure of first-tier subcontractors under subsection (1) of this section must include the name of each subcontractor, the category of work that each subcontractor will perform and the dollar value of each subcontract. The information shall be disclosed in substantially the following [above] form:

- (3) A contracting agency shall accept the subcontractor disclosure. The contracting agency shall consider the bid of any contractor that does not submit a subcontractor disclosure to the contracting agency to be a nonresponsive bid and may not award the contract to the contractor. A contracting agency is not required to determine the accuracy or the completeness of the subcontractor disclosure.
- (4) After the bids are opened, the subcontractor disclosures must be made available for public inspection.
- (5) A contractor may substitute a first-tier subcontractor under the provisions of ORS 279C.585.
- (6) A subcontractor may file a complaint under ORS 279C.590 based on the disclosure requirements of subsection (1) of this section.

State of Oregon WH-179 (08-10-10)

## SAMPLE CONTRACT

THIS CONTRACT is made between the CITY OF ALBANY, a municipal corporation, hereinafter called "City" and \_\_\_\_\_, hereinafter called "Contractor."

### WITNESSETH:

The Contractor, in consideration of the sums to be paid and other covenants herein contained, agrees to perform and complete the work herein described and to furnish all necessary machinery, tools, apparatus, equipment, supplies, materials, and labor and perform all work in accordance with the applicable *Standard Construction Specifications*, the Special Specifications (aka Specifications, Special Provisions) found herewith, and in accordance with such alterations or modifications of the same as may be made by the City, and according to such directions as may from time to time be made or given by the Engineer under the authority and within the meaning and purpose of this Contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the Contractor.

The applicable Drawings, the applicable *Standard Construction Specifications*, all sections of Special Provisions, and the Schedule of Contract Prices bound herewith are hereby specifically referred to and by reference made a part hereof, and shall by such reference have the same force and effect as though all of the same were fully inserted herein.

The Contractor shall faithfully complete and perform all of the obligations of this Contract, and in particular, shall promptly, as due, make payment of all just debts and obligations incurred in the performance of said Contract and shall not permit any lien or claim to be filed or prosecuted against the City.

The Contractor shall furnish to the City a 100% Performance Bond and a 100% Payment Bond. In addition to the required Payment Bond and Performance Bond, unless exempt under ORS 279C.836 (7), (8), or (9), the contractor is required to file a \$30,000 Public Works Bond with the Construction Contractor's Board to be used exclusively for unpaid wages determined to be due by BOLI. The general contractor is required to verify that subcontractors have filed a public works bond before permitting a subcontractor to start work on a project unless exempt under ORS 279C.836 (7), (8) or (9).

The Contractor, its subcontractors, if any, and all employers working under this Contract are subject employers under the Oregon Workers' Compensation Law and shall comply with ORS 656.017, which requires them to provide workers' compensation coverage for all their subject workers.

The Contractor agrees to protect, indemnify, and hold harmless the City against any and all loss, claims, or suits (including costs and attorney's fees) for or on account of injury to or death of persons, damage to, or destruction of property belonging to either the City or others occurring by reason of the act or neglect of the Contractor, Contractor's employees, or agents (including subcontractors) in connection with the performance of this Contract.

It is expressly understood that this Contract shall be governed by the laws of the State of Oregon. The statutes of the State of Oregon for public works contracts, specifically but not exclusively ORS Chapter 279 A-C as amended or superseded, including the latest additions and revisions, are incorporated by reference as part of the contract documents, and the party contracting with the City of Albany hereby covenants and agrees to comply with all of the obligations and conditions applicable to public contracts pursuant to ORS 279 A-C, et seq, as though each obligation or condition were set forth fully herein. In addition, if the contract identified above calls for a public improvement as that term is defined by ORS 279A.010, the party contracting with the City of Albany further agrees to comply with all obligations and conditions applicable to public contracts for public improvements pursuant to ORS 279C, et seq, as though each obligation or condition were set forth fully herein. The Contractor and its subcontractors, if any, also agrees to maintain compliance with the Oregon Identity Theft Protection Act (OITPA) ORS Sections 646A.600 through 646A.628.

The Contractor further declares by the signing of this Contract that all the provisions required by ORS 279C.800 through 279C.870 relating to the payment of prevailing wage rates for work performed under the Contract with the City of Albany shall be complied with, and that daily/weekly/holiday/weekend overtime will be paid, unless the

amount of the contract is \$50,000 or less, in which case the prevailing wage rate requirement shall not apply. If Contractor fails, neglects, or refuses to make prompt payment for labor or services, the City can pay and withhold these amounts from payments due the contractor. (ORS 279C.515) Contractor shall indemnify the City from claims of damages resulting from actual or alleged violations of these obligations.

In consideration of the faithful performance of all of the obligations herein set out, and in consideration of the faithful performance of this Contract, the City agrees to pay to the Contractor the amount earned, as determined from the actual quantities of work performed and prices and other basis of payment specified, taking into consideration any amounts that may be deductible, under the terms of the Contract.

The Contractor agrees to complete the work within the time specified herein and to accept as full payment hereunder the amounts computed as determined by the Contract Documents and based on the said proposal.

Said improvements shall be completed by the date specified in said Contract Documents and if not so completed, unless said time for completion is extended, as provided in the Contract Documents, or if extended, if the same is not completed within the time extended, the City will be caused to incur liquidated damages as specified in the Contract Documents. Liquidated damages shall be retained out of any monies due or to become due under this agreement.

Payments shall be made as provided in the Contract Documents. Notwithstanding anything in this agreement to the contrary, the City's obligation to pay money beyond the current fiscal year shall be subject to and dependent upon appropriations being made from time to time by the City Council for such purpose; provided, however, that the City Manager or other officer charged with the responsibility for preparing the City's annual budget shall include in the budget for each fiscal year the amount of the city financial obligation payable in such year and the City Manager or such other officer shall use his/her best efforts to obtain the annual appropriations required to authorize said payments.

The Parties acknowledge that the parties and their counsel have reviewed this Agreement and that the normal rule of construction to the effect that any ambiguities are to be resolved against the drafting Party shall not be employed in the interpretation of this Agreement or any exhibits or amendments hereto.

Should suit or action be undertaken to enforce any of the terms of this agreement or to seek damages for its breach, the prevailing party shall be entitled to an award of its reasonable attorney fees, including those incurred on appeal. Jurisdiction for litigation shall be vested exclusively in the courts of Oregon, Oregon law shall apply, and venue shall lie in Linn County, Oregon.

IN WITNESS WHEREOF, the undersigned duly authorized officials have caused this contract to be executed on behalf of their respective parties.

**CONTRACTOR:**

**CITY OF ALBANY, OREGON:**

DATE: \_\_\_\_\_

DATE: \_\_\_\_\_

By: \_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Jeff Blaine, P.E., Public Works Engineering & Community Development Director

By: \_\_\_\_\_

Title: \_\_\_\_\_

*(Note: Signatures of two officers are required for a corporation.)*

Construction Contractor's Board License Number

Tax Identification No.: \_\_\_\_\_

Telephone Number: ( ) \_\_\_\_\_

## PERFORMANCE BOND

BOND NUMBER: \_\_\_\_\_

TOTAL BID AMOUNT: \$ \_\_\_\_\_

KNOW ALL MEN BY THESE PRESENTS that we, \_\_\_\_\_, as CONTRACTOR (Principal), and \_\_\_\_\_, a corporation, duly authorized to do a general surety business in the State of Oregon as SURETY, are jointly and severally held and bound unto the City of Albany, Oregon, (Obligee) in the sum of (100% of Contract) \_\_\_\_\_ Dollars (\$ \_\_\_\_\_) for the payment of which we jointly and severally bind ourselves, our heirs, executors, administrators, and assigns or successors and assigns firmly by these presents.

THE CONDITION OF THIS BOND IS SUCH that, whereas the principal has made and entered into a certain contract, a copy of which is attached hereto, with the City of Albany, Oregon, which contract, together with the applicable plans, Standard Specifications, Special Provisions, and schedule of contract prices, is by this reference made a part, whereby the principal agrees to perform in accordance with the certain terms, conditions, requirements, plans, and specifications which are set out in the contract and all authorized modifications of the contract which increase the amount of the work and the amount of the contract. Notice to the surety of any of the immediately foregoing are waived.

NOW, THEREFORE, if CONTRACTOR shall faithfully and truly observe and comply with the terms, conditions, and provisions of the Contract, in all respects upon the terms set forth therein, and within the time prescribed therein and shall indemnify and save harmless the City of Albany, Oregon, its officers, employees, and agents against losses and expenses and any damages of every kind and description that shall be suffered or claimed to be suffered in connection with or arising out of the performance of the said Contract and shall honor all claims for defective work within the warranty period(s) established by the *Standard Construction Specifications* and Special Provisions, after the acceptance of said Contract, then this obligation is to be void, otherwise to remain in full force and effect for the duration of the warranty period(s). The establishment and warranty periods for plantings shall be two years as outlined in Section 107.15.02 of the *Standard Construction Specifications*. The warranty for all other work shall be for a one-year period as outlined in Section 107.15.00.

PROVIDED, HOWEVER, that this bond is subject to the following further conditions:

a) Losses and expenses include but are not limited to attorney's fees to defend all claims, proceedings, lawsuits, and judgments arising out of or resulting from the fault of the principal, the principal's agents, representatives, or subcontractors, in the performance of or failure to perform this contract. However, principal shall not be required to indemnify any indemnitee to the extent the damage, loss, or expense is caused by the indemnitee's negligence and shall in all respects perform said contract according to law.

b) All material suppliers and all persons who shall supply such laborers, mechanics, or subcontractors with material, supplies, or provisions for carrying on such work, shall have a direct right of action against CONTRACTOR and SURETY on this bond, second only the right of the City of Albany, Oregon, under this bond, which right of action shall be asserted in proceedings instituted in the name of the City of Albany, Oregon, to the use and benefit of the person, firm, or corporation instituting such action and all other persons, firms, or corporations having claims hereunder, shall have the right to be made a party to such proceeding and to have such claim adjudicated in such action and judgment rendered thereon.

c) In no event shall SURETY be liable for a greater sum than the penalty of this Bond, or subject to any suit, action, or proceeding thereon that is instituted past the expiration of the warranty period(s) after the complete performance and acceptance of said Contract and final settlement thereof.

d) The said SURETY, for the value received, hereby stipulates and agrees that no change, extension of time, alteration, or addition to the terms of the Contract or to the work to be performed thereunder or the Specifications accompanying the same shall in any way affect its obligations of this bond; and it does hereby waive notice of any

such change, extension of time, alteration, or addition to the terms of the Contract, or to the work, or to the Contract Documents.

IN WITNESS THEREOF, the parties hereto have caused this bond to be executed this \_\_\_\_\_ day of \_\_\_\_\_ 2018.

\_\_\_\_\_  
Principal

By: \_\_\_\_\_  
*Signature*

\_\_\_\_\_  
*Print or type*

\_\_\_\_\_  
Street/City Address

\_\_\_\_\_  
Surety

By: \_\_\_\_\_  
*Signature*

\_\_\_\_\_  
*Print or type*

\_\_\_\_\_  
Street/City Address

\_\_\_\_\_  
Telephone Number

Surety Witness:

By: \_\_\_\_\_

\_\_\_\_\_  
Street/City Address

**PAYMENT BOND**

BOND NUMBER: \_\_\_\_\_

TOTAL BID AMOUNT: \$ \_\_\_\_\_

KNOW ALL MEN BY THESE PRESENTS that we, \_\_\_\_\_, as CONTRACTOR (Principal), and \_\_\_\_\_, a corporation, duly authorized to do a general surety business in the State of Oregon as SURETY, are jointly and severally held and bound unto the City of Albany, Oregon, (Obligee) in the sum of (100% of Contract) \_\_\_\_\_ Dollars (\$ \_\_\_\_\_) for the payment of which we jointly and severally bind ourselves, our heirs, executors, administrators, and assigns or successors and assigns firmly by these presents.

THE CONDITION OF THIS BOND IS SUCH that, whereas the principal has made and entered into a certain contract, a copy of which is attached hereto, with the City of Albany, Oregon, which contract, together with the applicable plans, Standard Specifications, Special Provisions, and schedule of contract prices, is by this reference made a part, whereby the principal agrees to perform in accordance with the certain terms, conditions, requirements, plans, and specifications which are set out in the contract and all authorized modifications of the contract which increase the amount of the work and the amount of the contract. Notice to the surety of any of the immediately foregoing are waived.

NOW, THEREFORE, if CONTRACTOR shall make payment promptly, as due to all subcontractors and to all persons supplying to the Contractor or its subcontractors, equipment, supplies, labor, or materials for the prosecution of the work, or any part thereof, provided for in said contract; and shall in performing the contract pay and cause to be paid not less than the State of Oregon Bureau of Labor and Industries (BOLI) prevailing wage rates in effect as of the date of the bid advertisement by City of Albany, Oregon, unless the amount of the contract is \$50,000 or less, in which case the prevailing wage rate requirement shall not apply; and pay per hour, day, and week for and to each and every worker who may be employed in and about the performance of the contract; and pay all contributions or amounts due to the State Accident Insurance Fund and the State Unemployment Trust Fund from such Contractor or subcontractors; and pay all sums of money withheld from the Contractor’s employees and payable to the State Department of Revenue; and shall pay all other just debts, dues, and demands incurred in the performance of the said contract; and shall pay the City of Albany, Oregon such damages as may accrue to the City of Albany, Oregon, under the contract, then this obligation is to be void, otherwise to remain in full force and effect, provided that surety will remain liable to satisfy the claim of any worker affected by the failure of the principal or any subcontractor under the contract to pay the minimum rate of wage in accordance with the contract in the amount of minimum wages and an additional amount equal thereto as liquidated damages.

a) All material suppliers and all persons who shall supply such laborers, mechanics, or subcontractors with material, supplies, or provisions for carrying on such work, shall have a direct right of action against CONTRACTOR and SURETY on this bond, second only the right of the City of Albany, Oregon, under this bond, which right of action shall be asserted in proceedings instituted in the name of the City of Albany, Oregon, to the use and benefit of the person, firm, or corporation instituting such action and all other persons, firms, or corporations having claims hereunder, shall have the right to be made a party to such proceeding and to have such claim adjudicated in such action and judgment rendered thereon.

b) The said SURETY, for the value received, hereby stipulates and agrees that no change, extension of time, alteration, or addition to the terms of the Contract or to the work to be performed thereunder or the Specifications accompanying the same shall in any way affect its obligations of this bond; and it does hereby waive notice of any such change, extension of time, alteration, or addition to the terms of the Contract, or to the work, or to the Contract Documents.

IN WITNESS THEREOF, the parties hereto have caused this bond to be executed this \_\_\_\_\_ day of \_\_\_\_\_ 2018.

\_\_\_\_\_  
Principal

By: \_\_\_\_\_  
*Signature*

\_\_\_\_\_  
*Print or type*

\_\_\_\_\_  
Street/City Address

\_\_\_\_\_  
Surety

By: \_\_\_\_\_  
*Signature*

\_\_\_\_\_  
*Print or type*

\_\_\_\_\_  
Street/City Address

\_\_\_\_\_  
Telephone Number

Surety Witness:

By: \_\_\_\_\_

\_\_\_\_\_  
Street/City Address



## SPECIAL PROVISIONS

### SECTION I: GENERAL REQUIREMENTS AND TECHNICAL SPECIFICATIONS

#### I-1. DESCRIPTION OF WORK

This project will replace approximately 4,000 feet of 8-inch asbestos cement water lines with new 8-inch HDPE water lines.

Construction shall be in conformance with the current edition of the City of Albany *Standard Construction Specifications*, the Construction Drawings, and these Special Provisions.

#### I-2. SITE CONDITIONS

The site is on private property and the duplexes on site are occupied by renters. Constant communication shall be maintained between the Contractor, the City, and the Property Managers. Any necessary changes to traffic patterns or access should be communicated as soon as they are known. Also, the private storm drain system is not adequate to handle heavy rains and special care should be taken during construction to not further the problem.

#### I-3. STANDARD CONSTRUCTION SPECIFICATIONS

Each bidder must have access to a current set of City of Albany *Standard Construction Specifications*, which can be found on the City of Albany's website at <http://www.cityofalbany.net/departments/public-works/engineering/standard-construction-specifications> or a printed set may be purchased for \$100. All public improvements are required to conform to these specifications and bid prices shall reflect these specifications.

#### I-4. AWARD OF CONTRACT

The Contract, if awarded, will be awarded to the lowest responsive, responsible bidder based upon the lowest total bid amount, as determined by the City of Albany, and on the City's sole and absolute judgment to best serve its interest.

The City reserves the right to postpone the acceptance of the proposal and the award of the contract to a responsible bidder for a period not to exceed sixty (60) calendar days, or to reject any and all proposals received and further advertise the project for bids. The City may reject any bids not in compliance with all prescribed public contracting procedures and requirements, including the requirement to demonstrate the bidder's responsibility under ORS 279C.375(3)(b), and may reject for good cause any or all bids upon a finding of the City it is in the public interest to do so.

List of Subcontractors. Contractor is required to submit a list of subcontractors in accordance with ORS 279C.370. The City will submit a copy of this disclosure of first-tier subcontractors to the Bureau of Labor and Industries (BOLI) along with the completed BOLI form WH-81.

Failure to submit the list of subcontractors form by the disclosure deadline will result in a non-responsive bid. A non-responsive bid will not be considered for award. If no subcontractors need to be disclosed; this form must still be submitted indicating such.

#### I-5. CONTRACT COMPLETION TIME AND LIQUIDATED DAMAGES

At the Contractor's option, the City will issue the Notice to Proceed any time after both parties have executed the contract. The Contractor shall be required to give the City seven (7) days advance notice of intent to begin construction. Once the Notice to Proceed is issued, the Contractor shall have 60 calendar days, measured from the day work starts in which to complete the work.

Regardless of the actual construction start date, all work specified in the contract documents shall be completed, in every respect, by May 24, 2019, the ultimate completion date.

**Liquidated damages will be assessed against the Contractor for each day over the maximum number of calendar days allotted plus each day beyond the stated ultimate completion date until the work is satisfactorily completed and accepted by the City. The schedule of liquidated damages is listed in the *Standard Construction Specifications*, Section 108.06.00.**

#### **I-6. PRECONSTRUCTION CONFERENCE**

A preconstruction meeting will be required. The meeting will be scheduled to take place a minimum of one week prior to beginning of construction. The Contractor shall submit the following submittals at the preconstruction conference:

- Project Schedule
- Traffic Control Plan
- Erosion and Sediment Control Plan

#### **I-7. PROJECT SCHEDULE**

A detailed construction schedule of all work relating to this project shall be submitted to the Engineer at the preconstruction conference. The schedule shall show how the contractor plans to complete the project on or before the ultimate completion date. The Contractor shall take appropriate measures to expedite work items that are behind schedule, including the use of outside forces to complete the work, without additional compensation.

#### **I-8. TEMPORARY TRAFFIC CONTROL**

All temporary traffic control shall be in accordance with the current edition of the *Manual on Uniform Traffic Control Devices* (MUTCD); the ODOT *Short-Term Traffic Control Handbook*; City of Albany *Standard Construction Specifications*, Section 202; and as stated herein. The Contractor shall provide traffic control devices as may be required at locations where construction is of short-term duration (i.e., street intersections and access to private property), as well as traffic control devices that are expected to be in place for the duration of the project.

Construction operations shall be conducted in a manner that will provide for uninterrupted movement of traffic on all public and private roadways within the construction area. At a minimum, the Contractor shall maintain one lane of traffic in each direction or provide flaggers to control alternating traffic through a single lane. Temporary ramps shall be installed and maintained at intersections and driveways for the duration of the project. At no time shall the flow of traffic be stopped completely without the approval of the Engineer. Approval for short-term, temporary closures or detours, if given, will be limited to a specific instance and will not be approved as standard practice.

The Contractor shall limit all construction traffic, including material delivery and spoil removal, to those streets where there are construction activities taking place. The City will immediately suspend work in the event that the Contractor does not limit construction traffic to approved streets. Work will be allowed to resume only after the Contractor has submitted a construction traffic routing plan limiting construction traffic to approved streets. This plan will be reviewed and approved by the City prior to its implementation. Damage to streets resulting from unapproved construction traffic shall be corrected by the Contractor at no expense to the City.

The Contractor shall submit traffic control plans to the Engineer for review one week prior to commencing construction. The traffic control plan shall include a description of the traffic control devices, signing, and flaggers that are to be provided. No work shall begin until the City approves the traffic control plans. Following approval, the plan shall be adhered to at all times.

On streets where parking is normally allowed, the Contractor shall furnish and place at least three “No Parking” signs on each side of each block of the street where parking is to be prohibited. The signs shall be highly visible to motorists from all approaches to the area where parking is to be restricted. The signs shall be posted at least two full working days in advance of any construction activity and shall state the date and times when parking will be prohibited.

Construction operations shall not commence until all construction signing is in place. Construction signing required for the project shall be furnished and maintained by the Contractor.

All public and private roadways and driveways within the project area shall be fully opened to local traffic at the end of each workday and at all times when no work is taking place. When the progress of the work requires temporary closures of residential driveways, the Contractor shall provide notice to the affected residential properties 48-hours in advance of the closure. Access to residential driveways shall be reestablished as soon as possible. The Contractor shall maintain continuous access to commercial and industrial properties except during paving operations. The Contractor shall meet on-site with the manager of each business a minimum of 72-hours in advance of any work affecting access to their property and inform them of the measures taken to maintain access.

After working hours, construction equipment shall be parked outside traveled portions of the roadways and shall be isolated with construction fencing and lighted barricades.

In the event the Contractor fails to provide and maintain proper barricades, signs, and other traffic control devices within one hour after notification by the Engineer, the City may install the traffic control devices at the Contractor's expense. The City will deduct two times (200%) the City's actual cost, which will include all labor, equipment, and materials involved, from any payments due or coming due to the Contractor.

## **I-9. NOTIFICATIONS**

The Contractor shall provide written notice to the front office of the following agencies, three (3) working days in advance of beginning construction. The written notice shall include the construction schedule and shall explain the extent and duration of expected traffic disruptions.

1. U.S. Postal Service
2. Albany Transit System
3. Allied Waste Services of Albany
4. Albany Fire Department
5. Albany School District
6. Albany Police Department
7. Linn County Sheriff's Department

The Contractor shall notify the above-named agencies and the public of any schedule changes that are made by the Contractor, required by the City, or are the result of weather or other unforeseen circumstance. The Contractor shall submit a copy of each notification to the City for review and approval prior to delivering the notices.

The Contractor shall provide written notification to all affected residents and businesses three (3) working days in advance of scheduled work that will result in traffic disruptions and blocked access to driveways or parking areas. Written notifications shall explain the extent and duration of the disruption of traffic and/or blocked access and shall include alternate routes or parking areas as appropriate.

## **I-10. ENTERING AND WORKING WITHIN CONFINED SPACES**

Contractors working on any public improvement project, while under contract with the City or a private entity, shall comply with the following regulations as they pertain to entering and working within confined spaces (as defined by OR-OSHA):

1. Identify any confined space entry that is required to perform the work and submit a list of the locations to the City.
2. Follow the City's confined space entry procedures or submit an alternate procedure that meets or exceeds OR-OSHA confined space entry regulations.
3. Submit written notice to the City of any hazardous situation that is encountered during the entry of or while working within a confined space.

## **I-11. LOCATION OF UNDERGROUND UTILITIES**

The Contractor shall determine the horizontal and vertical alignment of existing public and private utilities well enough in advance to make adjustments to the work. Special care shall be taken to avoid compromising concrete thrust restraint on the existing water system. Locating utilities ahead of construction and providing protective measures where required are incidental to other bid items.

## **I-12. REPAIR OF EXISTING UNDERGROUND UTILITIES**

City-owned, underground infrastructure damaged during construction shall be repaired as directed by the Engineer. All completed repair work will require approval of the Engineer prior to covering the work. General repair guidelines are:

1. Existing sanitary sewer mains and service laterals that are damaged shall be replaced with like materials and solid-sleeve couplings. Where like materials are not available, the existing pipe shall be replaced with ASTM 3034 PVC pipe and solid-sleeve transition couplings.
2. Existing storm drainage pipe that is damaged shall be replaced with like materials and mechanical-type couplings. Where like materials are not available, storm drainage pipe shall be replaced with Class III concrete pipe or ASTM 3034 PVC pipe with appropriate mechanical-type couplings.

## **I-13. STREET CONSTRUCTION**

Street excavation, placement of geotextile fabric, and rock backfill shall be conducted in one continuous operation. Only tracked vehicles will be allowed on the subgrade. Geotextile fabric shall be placed on the subgrade following excavation. No vehicles will be allowed to drive directly on the fabric. Cutting or digging through the geotextile fabric will not be allowed once it has been placed. Crushed aggregate base shall be placed to within 25 feet of the end of street excavation by the end of each working day. Care shall be taken to avoid damage to existing public and private utilities.

## **I-14. INSPECTION AND APPROVAL OF WATER LINE MATERIALS**

Contractor shall not begin excavation for water mains and water service lines until all pipe and fittings have been delivered to the site and have been inspected and approved by the Engineer. Contractor shall be responsible to coordinate material inspections with the Engineer. Delays to the construction schedule resulting from rejection and replacement of materials will not be cause for additional contract time.

## **I-15. EXCAVATION AND BACKFILL REQUIREMENTS**

All excavations shall be backfilled daily. Only that portion of the excavation where the next day's work is to resume may be left open. All open trenches in streets shall be covered with secured, steel sheets at the end of work each day. All other excavations shall be backfilled.

Select backfill shall be used in all excavations within the public right-of-way to the limits shown below, regardless of location, and in all driveways subject to vehicle travel.

Paved Area: Use select compacted backfill to finished subgrade elevation.

Unpaved Area: Use select compacted backfill to within 18 inches of finish grade. Complete backfill with topsoil meeting requirement of Section 01010 – Topsoil of the Oregon Department of Transportation's Standard Specifications for Highway Construction, 1996 Edition.

A fill permit will be required to deposit excavated materials, in excess of 50 cubic yards at any one tax lot, from this project regardless of whether the site is publicly or privately owned. For property located within the city limits, fill permits may be obtained from the Public Works Department at City Hall, Third and Broadalbin Streets, Albany, Oregon. For property located outside the city limits, fill permits may be obtained from the Linn County Building Department at the Linn County Court House, Fourth Avenue and Ellsworth Street, Albany, Oregon.

## **I-16. SCHEDULED INTERRUPTION OF WATER SERVICE**

Work involving existing water lines shall be scheduled in a manner that will minimize disruption of local water service. Interruption of water service shall not be scheduled to occur on a Friday or City Holiday. As a general rule, scheduled interruptions of local water service shall not occur prior to 9:00 a.m. or after 2:00 p.m. The Contractor shall give written notice to each affected water customer a minimum of 48 hours in advance of a scheduled interruption of water service. Commercial and industrial water customers require a minimum 72-hour advance notice prior to scheduled interruption of water service. In addition a representative of the Contractor shall personally visit each affected business to deliver the notice to the owner or a responsible employee, and answer any questions regarding the shutdown. The Contractor shall coordinate with affected businesses to make meter switch-overs and mainline connections at times convenient for their normal operation. In some circumstances it may be necessary to schedule water shutdowns outside of normal working hours. No extra compensation will be due the Contractor for work performed outside of normal working hours.

Each situation involving a scheduled interruption of water service shall be limited to four hours, unless extended by the Engineer. If the Contractor does not complete the work within the allotted time, mitigating circumstances notwithstanding, the City will impose liquidated damages of \$225 per each hour, or fraction thereof, beyond the time limit established by the Engineer.

The Engineer will be responsible for supervising the operation of existing valves as required during the course of the work at all locations and for providing the Contractor with maps detailing individual properties requiring shutoff notices.

## **I-17. BACKFLOW PREVENTION ASSEMBLIES**

There may be backflow prevention assemblies on the customer side of the meter where sprinkler systems and landscape irrigation systems are present. These devices are usually located outside of the meter box. The contractor shall be responsible for costs associated with cleaning and testing of these devices and other fixtures that are disabled by debris from the new water line. The Contractor shall promptly resolve issues involving fixtures of devices plugged by debris as a result of construction operations. In the event that the Contractor does not promptly respond to correct the problem the City will have the work done and Contractor shall be charged.

## **I-18. CONNECTION TO EXISTING WATER LINES**

The Contractor shall be responsible for scheduling and conducting exploratory excavations as necessary to determine material requirements for work involving connections to, or abandonment of, existing water lines. The outside diameter of existing water lines may vary significantly from industry standard specifications (where available) or from information provided on the plans. The Contractor shall be solely responsible for excavating each specific location where there is work involving an existing water line and to determine the actual pipe type and diameter before ordering materials. The City will not compensate the Contractor for components that are found to be incompatible with existing materials. Potholing connections to existing water lines is considered incidental to other bid items.

Existing abandoned water lines or other utilities shall not be used as permanent bracing or as backing for permanent concrete thrust restraint where mechanical restraint is not appropriate. The use of concrete thrust restraint where mechanical restraint is specified will require the approval of the Engineer.

## **I-19. MINIMUM WATER LINE COVER REQUIREMENT**

Except where shown and specified otherwise on the construction drawings, all new main line water pipe work shall have three feet of minimum cover from the new roadway surface grade to the top of the new line. Depending on the depth of existing utilities and other requirements, new water pipe work may require a deeper bury to maintain minimum cover.

## **I-20. MAINTAINING SEWER FLOWS**

The Contractor shall maintain sewer flows in the existing system. The sewage shall be conveyed in closed conduits and disposed of in a sanitary sewer system or transported in equipment designed for that purpose to an approved disposal site. Transporting and disposal of sewage shall be in conformance with applicable state and local regulations. Sewage shall not be discharged into, or allowed to flow in storm drains, trenches, creeks, rivers, ditches, or similar drainage ways. Sewage spills or accumulations shall be cleaned up promptly. The Contractor shall be responsible for notifying the Engineer and DEQ immediately of any sewer spills.

Under no circumstances shall sewage be allowed to overflow from manholes, flood basements, make building sewers inoperable (i.e., with back water valve), or cause any damage to the sewer system due to surcharging.

When pumping and bypassing is required, the Contractor shall furnish, install, and operate the pumps, conduits, and other equipment to divert the flow of sewage around the section in which work is to be performed. A sewer line plug shall be inserted into the line upstream of the section being worked. The plug shall be so designed that all or any portion of the sewage can be released. At the end of each day, flow shall be restored to normal. The bypass system shall be of sufficient capacity to handle existing flow plus additional flow that may occur during a rainstorm. The Contractor shall be responsible for furnishing the necessary labor and supervision to set up and operate the pumping and bypass system. Pumping shall be done in a manner that will not damage public or private property or create a nuisance or health menace. No overnight pumping will be allowed.

Sewer service shall be provided for service laterals when working on the sections that have active services. Service shall not be interrupted for more than six hours for any individual lateral. All service laterals shall be functional between 5:00 p.m. and 8:00 a.m.

## **I-21. NOTIFICATION OF INTERRUPTION OF SEWER SERVICE**

The Contractor shall give written notice to each affected sewer customer a minimum of 48 hours prior to a scheduled interruption of sewer service. The notice shall contain the name and phone number of the Contractor and a contact person and shall also state the time and date of interruption and estimated length of disruption. The City must approve the notice prior to distribution. The notifications shall be delivered directly to the primary adult resident, business owner/manager, or prominently affixed to the primary entrance of each dwelling or unit. Notification shall not be placed in U. S. mailboxes or mail slots.

## **I-22. WATER SUPPLY**

The City will provide water required for the completion of the work. The Contractor shall only take water from approved fire hydrants as designated by the Engineer.

## **I-23. PROTECTION OF EXISTING TREES**

Trees to remain in place shall be protected at all times. If roots three inches in diameter or greater are encountered during construction, including excavation and trenching activities, the root shall be protected and reported to the Engineer. If the root must be removed, the City Forester shall be consulted prior to pruning. Root pruning shall be accomplished by a sharp cut made with a hand saw or chain saw. Cut or exposed root ends shall be kept moist at all times until backfill is placed to cover the roots. Cut roots three inches or greater must be wrapped in burlap and kept moist for the entire time the roots are exposed. Cut or exposed roots shall be backfilled as soon as possible.

If the Contractor causes the destruction of trees that are to remain, the City will deduct the value of the tree as determined by the City Forester using the methods described in the International Society of Arboriculture's "Valuation of Landscape Trees, Shrubs, and Other Plants: A Guide to the Methods and Procedures for Appraising Amenity Plants."

## SECTION II: STATE AND FEDERAL CONTRACTING LAW

### II-1. PREVAILING WAGES

All the provisions required by ORS 279C.800 through ORS 279C.870 relating to the payment of prevailing wage rates for work performed under the Contract with the City of Albany shall be complied with.

Each worker in each trade or occupation employed in the performance of this contract either by the contractor, subcontractor, or other person doing or contracting to do, or contracting for the whole or any part of the work on this contract, must be paid not less than the applicable state prevailing rate of wage, or the applicable federal prevailing rate of wage, whichever is higher.

Oregon law requires that the higher of the state prevailing wage rates (PWR) or federal Davis-Bacon rates be paid to workers on projects subject to both the state PWR law and federal Davis-Bacon Act.

**WL-18-02, Pine Meadows Water Line Replacement does not use federal funds and does not require Davis-Bacon rates. Only Oregon BOLI Prevailing Wage Rates apply to this project.**

Each year the Oregon Bureau of Labor and Industries (BOLI) publishes two rates publications (and amendments to both) that are available by calling 971-673-0839 or online at the BOLI website at:

<http://www.oregon.gov/boli/WHD/PWR/Pages/PWR-Rate-Publications---2018.aspx>

Publications that apply to this contract are the July 1, 2018, Prevailing Wage Rates for Public Works Contracts in Oregon; as well as the July 1, 2018, [PWR Apprenticeship Rates](#).

Daily/weekly/holiday/weekend overtime must be paid. If a contractor fails to pay for any labor or services, the City can pay for this labor or services and withhold these amounts from payments due the contractor. ORS 279C.520; OAR 839-025-0020(2)(b).

Contractors and subcontractors are required to prepare weekly certified payroll reports and statements and submit them to the City by the fifth business day of each month (ORS 279C.845; OAR 839-025-0010). Contractor payment will be withheld until the City is in receipt of these certified weekly payroll reports. Information submitted on certified statements may be used only to ensure compliance with the provisions of ORS 279C.800 through ORS 279C.870.

### II-2. PERFORMANCE, PAYMENT, AND PUBLIC WORKS BONDS

In addition to the required payment bond and performance bond, unless exempt under ORS 279C.836 (7), (8), or (9), the contractor is required to file a \$30,000 Public Works Bond with the Construction Contractor's Board to be used exclusively for unpaid wages determined to be due by BOLI. The general contractor is required to verify that subcontractors, unless exempt, have filed a public works bond before permitting a subcontractor to start work on a project.

The Statutory Public Works Bond form is available from BOLI upon request or may be downloaded from <http://www.oregon.gov/BOLI/WHD/pages/index.aspx>.

### II-3. RECIPROCAL PREFERENCE LAW

Oregon's reciprocal preference law, ORS 279A.120 and ORS 279A.125, requires public contracting agencies, in determining the lowest responsible bidder, to add a percent increase to each out-of-state bidder's bid price that is equal to the percent of preference given to local bidders in the bidder's home state. That is, if the low bidder is from a state that grants a 10 percent preference to its own in-state bidders, the Oregon agency must add 10 percent to that bidder's price when evaluating the bid.

For details, check Oregon's Reciprocal Preference Law website at:

<https://www.oregon.gov/das/Procurement/Pages/Recippref.aspx>

Bidders in need of any assistance in the application of this law should call the State Procurement Office at 503-378-4642 or contact them at State of Oregon - Department of Administrative Services, State Procurement Office, 1225 Ferry Street SE, U-140, Salem, OR 97301-4285.

#### **II-4. AFFIRMATIVE ACTION/NONDISCRIMINATION**

By submitting a bid/proposal, the Bidder/Proposer agrees to comply with the Fair Labor Standards Act (FLSA); Title VII of the Civil Rights Act of 1964; Executive Order 11246, (as amended); Fair Employment Practices; Equal Employment Opportunity Act; Section 503 of the Rehabilitation Act of 1973, as amended; Vietnam Era Veterans' Readjustment Assistance Act of 1974; Americans with Disabilities Act; Age Discrimination in Employment Act of 1967 (ADEA); and Oregon Revised Statutes (ORS). By submitting a bid/proposal, the Bidder/Proposer specifically certifies, under penalty of perjury, that the Bidder/Proposer has not discriminated against minority, women, or emerging small business enterprises in obtaining any required subcontracts.

If the contract is awarded on the basis of the contractor's certification as a Disadvantaged Business Enterprise (DBE), Minority/Women Business Enterprise (MWBE) and Emerging Small Business (ESB) certifications (collectively known as MWESBs), the contractor must remain certified during the entire term of the contract. Contractors must include a similar provision in any subcontracts for the project.

#### **II-5. LICENSE REQUIRED FOR ASBESTOS ABATEMENT PROJECT**

This contract does not require the contractor or subcontractor to be licensed under ORS 468A.720, regarding asbestos abatement.

#### **II-6. CONSTRUCTION AND DEMOLITION DEBRIS / YARD WASTE MATERIALS - ORS 279C.510**

The contractor is responsible for:

1. Salvaging or recycling construction and demolition debris, if feasible and cost-effective.
2. Composting or mulching yard waste material at an approved site, if feasible and cost-effective.

#### **II-7. PROVISIONS CONCERNING ENVIRONMENTAL AND NATURAL RESOURCES LAWS**

Contractor is responsible to abide by ORS 279C.525 regarding enacted ordinances, rules, or regulations as set forth by the Albany Municipal Code, Oregon Department of Environmental Quality, Department of State Lands, Environmental Protection Agency, and/or the US Army Corps of Engineers, or any other federal, state, and local agency, in regards to the prevention of environmental pollution and preservation of natural resources.

#### **II-8. PAYMENT, CONTRIBUTIONS, LIENS, WITHHOLDING - ORS 279C.505**

The contractor shall:

1. Make payment promptly, as due, to all persons supplying to the contractor labor or material for the performance of the work provided for in this 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 City on account of any labor or material furnished.
4. Pay to the Department of Revenue all sums withheld from employees under ORS 316.167

#### **II-9. PAYMENT OF CLAIMS BY PUBLIC OFFICERS, PAYMENT TO PERSONS FURNISHING LABOR OR MATERIALS AND COMPLAINTS - ORS 279C.515; OAR 839-025-0020(2)(a)**

1. If the Contractor fails, neglects, or refuses to pay promptly a person's claim for labor or services that the person provides to the Contractor or a subcontractor in connection with this contract as the claim becomes due, the City may pay the amount of the claim to the person that provides the labor or services and charge the amount of the payment against funds due or to become due the Contractor by reason of this contract.



2. If the Contractor or a first-tier subcontractor fails, neglects, or refuses to pay a person that provides labor or materials in connection with this contract within 30 days after receiving payment from the City or Contractor, the Contractor or first-tier subcontractor owes the person the amount due plus interest charges that begin at the end of the 10-day period within which payment is due under ORS 279C.580 (4) and that end upon final payment, unless payment is subject to a good faith dispute as defined in ORS 279C.580. The rate of interest on the amount due is nine percent per annum. The amount of interest may not be waived.
3. If the Contractor or a subcontractor fails, neglects, or refuses to pay a person that provides labor or materials in connection with the public improvement contract, the person may file a complaint with the Construction Contractors Board, unless payment is subject to a good faith dispute as defined in ORS 279C.580.

## **II-10. CONTRACTOR'S RELATIONS WITH SUBCONTRACTORS - ORS 279C.580(3)(4)**

Contractor is required to include in each subcontract for property or services the contractor enters into with a first-tier subcontractor, including a material supplier, for the purpose of performing a construction contract:

1. A payment clause that obligates the contractor to pay the first-tier subcontractor for satisfactory performance under the subcontract within 10 days out of amounts the City pays to the contractor under this contract.
2. A clause that requires the contractor to provide a first-tier subcontractor with a standard form that the first-tier subcontractor may use as an application for payment or as another method by which the subcontractor may claim a payment due from the contractor.
3. A clause that requires the contractor, except as otherwise provided in this paragraph, to use the same form and regular administrative procedures for processing payments during the entire term of the subcontract. A contractor may change the form or the regular administrative procedures the contractor uses for processing payments if the contractor:
  - a. Notifies the subcontractor in writing at least 45 days before the date on which the contractor makes the change; and
  - b. Includes with the written notice a copy of the new or changed form or a description of the new or changed procedure.
4. An interest penalty clause obligating the Contractor, if the contractor does not pay the first-tier subcontractor within 30 days after receiving payment from the City, to pay the first-tier subcontractor an interest penalty on amounts due in each payment the Contractor does not make in accordance with the payment clause included in the subcontract under paragraph (1.) above. A contractor or first-tier subcontractor is not obligated to pay an interest penalty if the only reason that the contractor or first-tier subcontractor did not make payment when payment was due is that the contractor or first-tier subcontractor did not receive payment from the City or Contractor when payment was due. The interest penalty applies to the period that begins on the day after the required payment date and that ends on the date on which the amount due is paid and is computed at the rate specified in ORS 279C.515(2).
5. A clause shall be included in each of the Contractor's subcontracts requiring the first-tier subcontractor to include a payment clause and an interest penalty clause that conforms to the standards of this subsection, paragraphs 1-4 above, in each of the first-tier subcontractor's subcontracts and to require each of the first-tier subcontractor's subcontractors to include such clauses in the first-tier subcontractors' subcontracts with each lower-tier subcontractor or supplier.
6. A mandate that all subcontractors, if they were awarded a subcontract on the basis of certification as a disadvantaged, minority-owned, women-owned, or emerging small business enterprise, to maintain certification through the term of the contract.

## **II-11. CONDITION CONCERNING HOURS OF LABOR - ORS 279C.520**

Any worker employed by the Contractor 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, the employee shall be paid at least time and a half pay as follows:

1. 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; or 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
2. For all work performed on Saturday and on any legal holiday specified in ORS 279C.540.

Contractor 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.

**II-12. TIME LIMITATION ON CLAIM FOR OVERTIME - ORS 279C.545**

Any worker employed by the Contractor shall be foreclosed from the right to collect for any overtime provided in ORS 279C.540 unless a claim for payment is filed with the Contractor within 90 days from the completion of the contract, providing the contractor has:

1. Caused a circular clearly printed in boldfaced 12-point type and containing a copy of ORS 279C.545 to be posted in a prominent place alongside the door of the timekeeper's office or in a similar place that is readily available and freely visible to workers employed on the work; and
2. Maintained the circular continuously posted from the inception to the completion of the contract on which workers are or have been employed.

**II-13. CONDITION CONCERNING PAYMENT OF MEDICAL CARE AND PROVIDING WORKERS' COMPENSATION - ORS 279C.530**

1. 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. All subject employers working under this Contract shall comply with ORS 656.017 and provide the required Workers' Compensation coverage, unless such employers are exempt under ORS 656.126. Contractor shall ensure that each of its subcontractors complies with these requirements.

## SECTION III: TECHNICAL SPECIFICATIONS – BID ITEMS

### **Item No. 1 – Mobilization:**

See *Standard Construction Specifications*, Section 201.

Payment for this bid item will be on a lump-sum basis and will include all equipment, labor, materials, and incidentals required to complete the work.

### **Item No. 2 – Temporary Traffic Control:**

See *Standard Construction Specifications*, Section 202; the Special Provisions; and the Construction Drawings.

Payment for this bid item will be on a lump-sum basis and will include all equipment, labor, materials, and incidentals required to complete the work.

### **Item No. 3 – Erosion Prevention and Sediment Control:**

This item includes all work related to procuring, installing, and maintaining erosion prevention and sediment control (EPSC) measures for the duration of the project as shown on the Construction Drawings. The Contractor shall submit an EPSC plan at the preconstruction conference for approval by the Engineer. This plan shall include measures to achieve the followings goals:

- Prevent the erosion of exposed soils by wind or rain
- Prevent sediment-laden waters from running onto streets, or into storm drains, ditches, drainage features, wetlands, creeks, streams, lakes, or rivers.
- Maintain clean street and sidewalk surfaces
- Quickly respond to rainfall events with additional measures as needed

The plan shall emphasize measures designed to prevent erosion rather than control sediment. This will require that sediment-laden water from trench dewatering to be processed through mechanical or chemical treatment prior to discharge. Sole reliance on inlet protection to control sediment will be prohibited in most cases. The approved EPSC plan shall be implemented prior to the beginning of ground disturbing activities.

In the event the Contractor fails to provide and maintain EPSC measures that prevent sediment from leaving the construction site, the City may require that work be stopped immediately. The City will not grant contract extensions for work stoppages based on the Contractor's failure to provide and maintain EPSC measures that prevent sediment from leaving the construction site. If sediment-laden water continues to leave the site after one working day following notification by the Engineer, the City may install additional EPSC measures at the Contractor's expense. The City will deduct two times (200%) the City's actual cost, which will include all labor, equipment, and materials involved, from any payments due or coming due to the Contractor.

Payment for this bid item will be on a lump-sum basis and will include all equipment, labor, materials, and incidentals required to complete the work.

### **Item No. 4 – 8-Inch HDPE Water Line:**

See Appendix A, Technical Specifications – High Density Polyethylene (HDPE) Pipe and Fittings

Payment will be made on a linear-foot basis for pipe that has successfully passed pressure testing and disinfection procedures and shall include all equipment, labor, materials, and incidentals required to complete the work. Pipe that has been installed but not successfully pressure tested and disinfected will be paid for in an amount equal to 50 percent of the length of the untested pipe.

### **Item No. 5 – 4-Inch HDPE Water Line:**

See Appendix A, Technical Specifications – High Density Polyethylene (HDPE) Pipe and Fittings

Payment will be made on a linear-foot basis for pipe that has successfully passed pressure testing and disinfection procedures and shall include all equipment, labor, materials, and incidentals required to complete the work. Pipe that has been installed but not successfully pressure tested and disinfected will be paid for in an amount equal to 50 percent of the length of the untested pipe.

**Item No. 6 – Standard 1-inch Service Assembly:**

See *Standard Construction Specifications*, Section 504

The Engineer will visually inspect all copper services prior to backfilling. The Contractor shall coordinate with the Engineer to ensure these inspections occur in a timely manner.

Provision and installation of meter boxes, including adjustment to finish grade, will be incidental to this bid item. Provision and installation of 1-inch angle meter valve and customer service valve shall be incidental to this bid item.

In addition to provision and installation of all components specified on the Construction Drawings, *Standard Construction Specifications*, and Special Provisions, this bid item includes labor, equipment, and materials required to locate existing private service lines where necessary, provision and installation of unspecified materials that will be necessary to connect the existing private service to the new meter assembly, abandonment of existing meter assemblies where specified, removal and reinstallation of pressure reducing valves where encountered, and any costs associated with cleaning and testing backflow devices and other fixtures disabled by debris from the new water line.

Existing water meters will be reused unless otherwise noted on the Construction Drawings. The City will supply new water meters where required and will provide necessary adapters on the public side for all water meters. The Contractor shall be responsible for supplying required adapters on the private side of all water meters.

When changing out meters, Contractor shall place the old meter on top of the meter box. The City inspector will collect old meters and record pertinent information.

Payment for this bid item will be made on a per-each basis and will include all equipment, labor, materials, and incidentals required to complete the work.

**Item No. 7 – Standard 2-inch Service Assembly:**

See *Standard Construction Specifications*, Section 504

The Engineer will visually inspect all copper services prior to backfilling. The Contractor shall coordinate with the Engineer to ensure these inspections occur in a timely manner.

Provision and installation of meter boxes, including adjustment to finish grade, will be incidental to this bid item. Provision and installation of 2-inch angle meter valve and customer service valve shall be incidental to this bid item.

In addition to provision and installation of all components specified on the Construction Drawings, *Standard Construction Specifications*, and Special Provisions, this bid item includes labor, equipment, and materials required to locate existing private service lines where necessary, provision and installation of unspecified materials that will be necessary to connect the existing private service to the new meter assembly, abandonment of existing meter assemblies where specified, removal and reinstallation of pressure reducing valves where encountered, and any costs associated with cleaning and testing backflow devices and other fixtures disabled by debris from the new water line.

Existing water meters will be reused unless otherwise noted on the Construction Drawings. The City will supply new water meters where required and will provide necessary adapters on the public side for all water meters. The Contractor shall be responsible for supplying required adapters on the private side of all water meters.

When changing out meters, Contractor shall place the old meter on top of the meter box. The City inspector will collect old meters and record pertinent information.

Payment for this bid item will be made on a per-each basis and will include all equipment, labor, materials, and incidentals required to complete the work.

**Item No. 8 – 8-Inch Gate Valve:**

See *Standard Construction Specifications*, Section 502.

Provision and installation of retainer glands on valves, when specified on the Construction Drawings, is incidental to this bid item.

Payment will be made on a per-each basis and shall include all equipment, labor, materials, and incidentals to complete the work.

**Item No. 9 – 6-Inch Gate Valve:**

See *Standard Construction Specifications*, Section 502.

Provision and installation of retainer glands on valves, when specified on the Construction Drawings, is incidental to this bid item.

Payment will be made on a per-each basis and shall include all equipment, labor, materials, and incidentals to complete the work.

**Item No. 10 – 4-Inch Gate Valve:**

See *Standard Construction Specifications*, Section 502.

Provision and installation of retainer glands on valves, when specified on the Construction Drawings, is incidental to this bid item.

Payment will be made on a per-each basis and shall include all equipment, labor, materials, and incidentals to complete the work.

**Item No. 11 – 10-Inch Butterfly Valve:**

See *Standard Construction Specifications*, Section 502.

Provision and installation of retainer glands on valves, when specified on the Construction Drawings, is incidental to this bid item.

Payment will be made on a per-each basis and shall include all equipment, labor, materials, and incidentals to complete the work.

**Item No. 12 – Standard Fire Hydrant Assembly:**

This item provides for removing the fire hydrant assembly in full, including the valve box and lid, and disposal of the materials in a legal manner off-site. Hydrants to be removed are shown on the Construction Drawings. The City reserves the right to salvage any fire hydrant.

Surface restoration shall be paid under the appropriate separate bid items.

Payment for this bid item will be made on a per-each basis and will include all equipment, labor, materials, and incidentals required to complete the work.

See *Standard Construction Specifications*, Section 503

Provision and installation of retainer glands and locking gaskets in these assemblies is incidental to this bid item. Payment for 6-inch D.I. piping is included in this bid item. Payment for the 6-inch gate valves will be paid under a separate bid item.

The street curb shall be painted yellow for 10 feet on both sides of the fire hydrant or as directed by the Engineer. Painting materials shall conform to the Oregon Department of Transportation's Specifications for White and Yellow Water-Borne Traffic Line Bead Binder Paint. A blue raised reflectorized pavement marker shall be placed on the street in front of the fire hydrant, offset from the street centerline towards the hydrant approximately 8-inches or as directed by the Engineer.

Payment for this bid item will be made on a per-each basis and will include all equipment, labor, materials, and incidentals required to complete the work.

**Item No. 13 – STA 0+00 8-Inch × 8-Inch Connection Assembly:**

See Special Provisions and Construction Drawings.

This bid item includes provision and installation of all specified and unspecified materials necessary to connect the existing 8-inch ductile iron water line and the new 8-inch HDPE water line and coordination of a scheduled water shutdown. Abandoned piping shall be completely filled with concrete as described and paid for under a separate bid item.

Provision and installation of locking gaskets and retainer glands are incidental to this bid item. Payment for 8-inch D.I. piping and fittings shall be included in this bid item.

Payment for this bid item will be made on a lump-sum basis and shall include all equipment, labor, materials, and incidentals required to complete the work.

**Item No. 14 – STA 27+10 4-Inch × 8-Inch Connection Assembly: (See Addendum No. 1 for changes to this bid item.)**

See Special Provisions and Construction Drawings.

This bid item includes provision and installation of all specified and unspecified materials necessary to connect the existing 4-inch ductile iron water line and the new 8-inch HDPE water line and coordination of a scheduled water shutdown. Abandoned piping shall be plugged with concrete a minimum distance equal to two pipe diameters.

Provision and installation of locking gaskets and retainer glands are incidental to this bid item. Payment for 4-inch D.I. piping and any fittings shall be included in this bid item. Valves shall be paid for under a separate bid item.

Payment for this bid item will be made on a lump-sum basis and shall include all equipment, labor, materials, and incidentals required to complete the work.

**Item No. 15 – STA 30+70 10-Inch × 8-Inch Connection Assembly:**

See Special Provisions and Construction Drawings.

This bid item includes provision and installation of all specified and unspecified materials necessary to connect the existing 10-inch AC water line and the new 8-inch HDPE water line and coordination of a scheduled water shutdown. Abandoned piping shall be plugged with concrete a minimum distance equal to two pipe diameters.

Provision and installation of locking gaskets and retainer glands are incidental to this bid item. Payment for 10-inch D.I. piping, 8-inch D.I. piping, and any fittings required shall be included in this bid item. Valves shall be paid for under a separate bid item.

Payment for this bid item will be made on a lump-sum basis and shall include all equipment, labor, materials, and incidentals required to complete the work.

**Item No. 16 – 2-Inch Blow-Off Assembly:**

See *Standard Construction Specifications*, Division 5 and Construction Drawings.

Payment will be made on a per-each basis and shall include all equipment, labor, materials, and incidentals to complete the work.

**Item No. 17 – Abandon Existing Water Main:**

This bid item provides for the abandonment of existing water mains by filling the abandoned sections of pipe with flowable controlled density fill (CDF) as shown on the Construction Drawings.

The CDF shall have an ultimate compressive strength of no more than 200 psi.

The entire length of the designated lines shall be abandoned by filling with CDF. Any additional excavation required to complete this work shall be incidental to this bid item.

Payment for this bid item will be made on a lump-sum basis and will include all equipment, labor, materials, and incidentals required to complete the work.

**Item No. 18 – Remove and Replace 6-Inch PCC Driveway:**

See *Standard Construction Specifications*, Section 306.

Removal of existing concrete is included in this item.

Payment for this bid item will be on a square-yard basis and will include all labor, equipment, materials, and incidentals required to complete the work.

**Item No. 19 – 1-1/2-Inch Asphalt Overlay:**

See *Standard Construction Specifications* 304 and Construction Drawings.

The asphalt overlay shall have a nominal thickness of 2 inches with a minimum thickness of 1.5 inches. A tack coat shall be applied to the roadway prior to placing asphalt.

The Contractor shall submit a paving plan to the City representative for approval. The plan shall include the following provisions:

- Placement of the overlay shall be completed within one day.
- The overlay shall consist of a maximum of two longitudinal panels.
- Provide for protection of the asphalt from truck or other heavy commercial or construction traffic until the panels have cooled sufficiently to prevent damage to the asphalt surface.

Street cleaning shall be incidental to this bid item. Prior to street cleaning, all existing reflectors or buttons shall be removed. All street surfaces shall be swept with a power vacuum sweeper. If the Contractor is delayed after sweeping due to weather or other unforeseen circumstances, the Contractor shall reschedule the work and resweep at no additional cost. All loose and foreign materials shall be removed and disposed of by the Contractor.

Paving fabric shall be placed as shown on the Construction Drawings in areas receiving a 2-inch asphalt overlay. The paving fabric and installation shall be according to the Oregon Standard Specifications for Construction, Section 00350, Geosynthetic Installation, and Section 02320 Geosynthetics.

The paving fabric shall be applied according to the manufacturer's recommendations, before the tack coat has cooled so that it is taut and wrinkle free. Wrinkles severe enough to cause folds shall be slit, laid flat, and additional tack coat binder material applied as described for overlapping the fabric. Transverse and longitudinal joints shall be made by overlapping the fabric 4 inches. At all overlaps, extra binder shall be uniformly applied by hand sprayer at the rate of 0.2 gallons per square yard.

Paving fabric shall be incidental to this bid item. Payment for this item will be made on a per-ton basis and shall include all equipment, labor, materials, and incidentals required to complete the work.

**Item No. 20 – 2-Inch Asphalt Trench Patch:**

See *Standard Construction Specifications* 304.

This bid item shall be used for trench patching in areas receiving a 2-inch asphalt overlay. The asphalt shall be ½-inch hot mix asphalt concrete with a minimum thickness of 2 inches.

Sawcutting of existing pavement is included in this bid item.

Payment for this item will be made on a square-yard basis and shall include all equipment, labor, materials, and incidentals required to complete the work.

**Item No. 21 – 3-Inch Asphalt Trench Patch:**

See *Standard Construction Specifications* 304.

This bid item shall be used for trench patching in areas receiving a 1-1/2-inch asphalt overlay. The asphalt shall be ½-inch hot mix asphalt concrete with a minimum thickness of 3 inches.

Sawcutting of existing pavement is included in this bid item.

Payment for this item will be made on a square-yard basis and shall include all equipment, labor, materials, and incidentals required to complete the work.

**Item No. 22 – 1-1/2-Inch Cold Plane Asphalt Pavement Removal:**

This item provides for grinding existing asphalt pavement as shown on the Construction Drawings. The actual limits and locations of the cold plane pavement removal will be determined in the field by the Engineer.

Payment for this item will be made on a square-yard basis and shall include all equipment, labor, materials, and incidentals required to complete the work.

**Item No. 23 – Remove and Replace 6-Inch PCC Sidewalk:**

See *Standard Construction Specifications*, Section 306.

Removal of existing concrete is included in this item.

Payment for this bid item will be on a square-yard basis and will include all labor, equipment, materials, and incidentals required to complete the work.

**Item No. 24 – Remove and Replace Speed Bumps:**

See *Standard Construction Specifications*, Section 304.

Removal of existing asphalt is included in this item.

Payment for this bid item will be on a per-each basis and will include all labor, equipment, materials, and incidentals required to complete the work.

**Item No. 25 – Adjust Fixtures to Grade:**

This item provides for adjusting manholes, water valve boxes, and survey monuments to match the finished street grade. Sewer manholes shall be adjusted to grade using grade adjustment rings. Water valve and survey monument boxes shall be adjusted to grade using by removing the existing pavement around the box and pulling it up to finished grade. Where the existing valve box cannot be reused or is not up to current specifications, the City will provide replacement cast iron valve boxes and lids for installation by the Contractor.

Payment for this bid item will be made on a lump-sum basis and will cover all labor, equipment, and materials required to complete the work.



## **LIST OF APPENDICES**

A. HDPE TECHNICAL SPECIFICATIONS

**CONSTRUCTION DRAWINGS (11" X 17") – *included as separate document***

## APPENDIX A

### TECHNICAL SPECIFICATIONS

#### HIGH DENSITY POLYETHYLENE (HDPE) PIPE AND FITTINGS

##### PART 1 – GENERAL

###### 1.01 DESCRIPTION:

Scope – This section specifies high density polyethylene pipe (HDPE) and fittings for water utility use as indicated on the Drawings, and as specified herein.

- Furnish, Install, and Test HDPE pipe as indicated and specified in this section, and as referred to in related sections, and the Construction Drawings.
- The primary installation method is burial. The means and methods, including the testing for acceptance shall conform to all applicable standards as noted herein with the intention of providing a leak-free system to the owner.

###### 1.02 REFERENCES

A. To the extent referenced in this specification section, the standards and documents listed below are included, and made a part of this specification.

B. In the event of a conflict, the requirements of this specification section prevail.

C. Unless otherwise specified, references to documents shall mean the latest published edition of the referenced document in effect at the bid date of the project.

###### ANSI/AWWA ([www.awwa.org](http://www.awwa.org))

- ANSI/AWWA C901-08 Polyethylene (PE) Pressure Pipe and Tubing, ½ In. (13 mm) Through 3 In. (76 mm) for Water Service
- ANSI/AWWA C906-07 Polyethylene (PE) Pressure Pipe and Fittings, 4 In. (100 mm) Through 63 In. (1,600 mm), for Water Distribution and Transmission
- ANSI/AWWA C651 Standard for Disinfecting Water Mains
- AWWA M55 Manual of Water Supply Practices, PE Pipe–Design and Installation

###### Plastics Pipe Institute, PPI ([www.plasticpipe.org](http://www.plasticpipe.org))

- PPI Handbook of Polyethylene Pipe – 2009 (2nd Edition)
- PPI TR-33 Generic Butt Fusion Joining Procedure for Polyethylene Gas Pipe
- PPI TR-34 Disinfection of Newly Constructed Polyethylene Water Mains
- PPI TR-41 Generic Saddle Fusion Joining Procedure for Polyethylene Gas Piping
- PPI TN-42 Recommended Minimum Training Guidelines for PE Pipe Butt Fusion Joining Operators for Municipal and Industrial Projects (2009)

NSF ([www.nsf.org](http://www.nsf.org))

- NSF / ANSI 61 Drinking Water System Components–Health Effects

ASTM ([www.astm.org](http://www.astm.org))

- ASTM F 714 Standard Specification for Polyethylene (PE) Plastic Pipe (SDR-PR) Based on Outside Diameter
- ASTM F905 Standard Practice for Qualification of Polyethylene Saddle-Fused Joints
- ASTM F 1055 Standard Specification for Electrofusion Type Polyethylene Fittings for Outside Diameter Controlled Polyethylene Pipe and Tubing
- ASTM F 1290 Standard Practice for Electrofusion Joining Polyolefin Pipe and Fittings
- ASTM F 1412 Standard Specification for Polyolefin Pipe and Fittings for Corrosive Waste Drainage Systems
- ASTM F1417 Standard Test Method for Installation Acceptance of Plastic Gravity Sewer Lines Using Low-Pressure Air
- ASTM F 2164 Standard Practice for Field Leak Testing of Polyethylene (PE) Pressure Piping Systems Using Hydrostatic Pressure
- ASTM F2206 Standard Specification for Fabricated Fittings of Butt-Fused Polyethylene (PE) Plastic Pipe, Fittings, Sheet Stock, Plate Stock, or Block Stock
- ASTM D 2239 Standard Specification for Polyethylene (PE) Plastic Pipe (SIDR-PR) Based on Controlled Inside Diameter
- ASTM D 2321 Standard Practice for Underground Installation of Thermoplastic Pipe for Sewers and Other Gravity-Flow Applications
- ASTM F 2620 Standard Practice for Heat Fusion Joining of Polyethylene Pipe and Fittings
- ASTM D 2683 Standard Specification for Socket-Type Polyethylene Fittings for Outside Diameter-Controlled Polyethylene Pipe and Tubing
- ASTM D 2737 Standard Specification for Polyethylene (PE) Plastic Tubing
- ASTM D 2774 Standard Practice for Underground Installation of Thermoplastic Pressure Piping
- ASTM D 3261 Standard Specification for Butt Heat Fusion Polyethylene (PE) Plastic Fittings for Polyethylene (PE) Plastic Pipe and Tubing
- ASTM D 3350-08 Standard Specification for Polyethylene Plastics Pipe and Fittings Materials

### **1.03 SYSTEM DESIGN PARAMETERS**

A. The polyethylene system working pressure rating accommodates the normal operating pressure and the repetitive surges. The pressure rating applies at 80°F or less.

B. Per AWWA 901 and C906, the repetitive surge pressure allowance is one half the pressure class of the pipe, and the occasional surge over pressure allowance is equal to the pressure class of the pipe. Allowable Total Pressure during Recurring Surge conditions equals 1.5 times the pipe's pressure class. Allowable Total Pressure during Occasional Surge conditions equals 2.0 times the pipe's pressure class.

Table 1 gives the Pressure Class per AWWA C901, Pressure Rating and Allowable Total Pressure During Recurring and Occasional Surge for PE4710 pipe at 80°F or less.

*Table 1. Pressure Class per AWWA C901 for PE 4710 at 80°F or less*

Pipe Dimension Ratio (DR)	Pressure Class	Pressure Rating	Allowable Total Pressure During Recurring Surge	Allowable Total Pressure During Occasional Surge
DR 9	250 psi	250 psi	375 psi	500 psi
DR 11	200 psi	200 psi	300 psi	400 psi
DR 14.3	150 psi	150 psi	225 psi	300 psi
DR 17	125 psi	125 psi	185 psi	250 psi
DR 21	100 psi	100 psi	150 psi	200 psi

#### 1.04 SUBMITTALS

A. Affirmation that product shipped meets or exceeds the standards set forth in this specification. This shall be in the form of a written document from the manufacturer attesting to the manufacturing process meeting the standards.

B. Manufacturers recommended fusion procedures for the products.

#### 1.05 DELIVERY, STORAGE AND HANDLING

A. Handle the pipe in accordance with the PPI Handbook of Polyethylene Pipe (2nd Edition), Chapter 2 using approved strapping and equipment rated for the loads encountered. Pipe shall not be dragged on the ground. Do not use chains, wire rope, forklifts or other methods or equipment that may gouge or damage the pipe or endanger persons or property. Field storage is to be in compliance with AWWA Manual of Practice M55 Chapter 7.

B. If any gouges, scrapes, or other damage to the pipe results in loss of 10% of the pipe wall thickness, cut out that section or do not use.

#### PART 2 A – PRODUCTS FOR 3 INCH AND SMALLER PIPE PER AWWA C901

See Section 504 of the *Standard Construction Specifications*. For pipe used on main lines the outside diameter of the pipe shall be based upon the iron pipe size (IPS) sizing system.

#### PART 2 B – PRODUCTS FOR 4 INCH AND LARGER PIPE PER AWWA C906

##### 2B.01 – PIPE

A. Polyethylene pipe shall be made from HDPE material having a material designation code of PE4710 or higher. The material shall meet the requirements of ASTM D 3350 and shall have a minimum cell classification of PE445474C. In addition, the material shall be listed as meeting NSF-61.

B. The pipe and fittings shall meet the requirements of AWWA C906.

C. HDPE pipe shall be rated for use at a pressure class of 200 psi. The outside diameter of the pipe shall be based upon the iron pipe size (IPS) sizing system.

D. HDPE pipe shall be of domestic manufacture.

## **2B.02 FITTINGS**

A. Butt Fusion and Sidewall Fusion Fittings - Fittings shall be made of HDPE material with a minimum material designation code of PE4710 and with a minimum Cell Classification as noted in 2B.01A. Butt Fusion Fittings shall meet the requirements of ASTM D3261. Fittings 12-inches and smaller shall be injection molded. Fittings larger than 12-inches, and crosses of any size, may be either injection molded or fabricated. Reducing tees shall be either injection molded or branch saddle tees. Molded and fabricated fittings shall have a pressure rating equal to the pipe unless otherwise specified on the Construction Drawings. All fittings shall meet the requirements of AWWA C906 and NSF-61.

Markings for molded fittings shall comply with the requirements of ASTM D 3261. Fabricated fittings shall be marked in accordance with ASTM F 2206.

B. Electrofusion Fittings - Fittings shall be made of HDPE material with a minimum material designation code of PE 4710 and with a minimum Cell Classification as noted in 2B.01A. Electrofusion Fittings shall have a manufacturing standard of ASTM F1055. Fittings shall have a pressure rating equal to the pipe unless otherwise specified on the Construction Drawings and shall meet the requirements of AWWA C906 and NSF-61. All electrofusion fittings shall be suitable for use as pressure conduits, and have nominal burst values of four times the Working Pressure Rating (WPR) of the fitting. Markings shall be according to ASTM F 1055.

C. Flange and Mechanical Joint Adapters (MJ Adapters) – Flange and Mechanical Joint Adapters shall have a material designation code of PE4710 or higher and a minimum Cell Classification as noted in 2B.01A. Flange and Mechanical Joint Adapters can be made to ASTM D 3261 or if machined, must meet the requirements of ASTM F 2206. Flange and MJ Adapters shall have a pressure rating equal to the pipe unless otherwise specified on the Construction Drawings. All flange and MJ adapters shall meet the requirements of AWWA C906 and NSF-61. Markings for molded or machined flange adapters or MJ Adapters shall be per ASTM D 3261. Fabricated (including machined) flange adapters shall be per ASTM F 2206. Bolts and nuts shall meet the requirements of Section 501 of the *Standard Construction Specifications*.

Van-Stone style, ductile iron (or stainless steel when specified), convoluted or flat-plate, back-up rings and bolt materials shall follow the guidelines of Plastic Pipe Institute Technical Note # 38, and shall have the bolt-holes and bolt-circles conforming to one of these standards: ASME B-16.5 Class 150, ASME B-16.47 Series A Class 150, ASME B-16.1 Class 125, or AWWA C207 Class 150 Series B, D, or E. The back-up ring shall provide a long-term pressure rating equal to or greater than the pressure-class of the pipe with which the flange adapter assembly will be used, and such pressure rating shall be marked on the back-up ring. Back-up rings, bolts, and nuts shall be SAE Type 316 stainless steel when specified in the contract documents due to the presence of corrosive soils.

D. Service Saddles – Service Saddles on HDPE mains shall be as follows:

- 12" and smaller: Transition Saddles (Corp Saddles) by Central Plastics, Inc. or approved equal
- 16" and larger: Series 415 by Poly-Cam, Inc. or approved equal.

All service saddles shall have a brass threaded outlet with 1-inch or 2-inch AWWA/CC threads as appropriate. Saddles shall be made of HDPE material with a minimum material designation code of PE4710 and with a minimum Cell Classification as noted in 2B.01A.

E. All fittings, including bolts, nuts, back-up rings, retainer glands, gaskets and other accessories, shall be of domestic manufacture.

## **2B.03 PIPE AND FITTING IDENTIFICATION**

A. The pipe shall be marked in accordance with the standards to which it is manufactured.

B. Color identification by the use of stripes on the pipe or marking tape wrapped around the pipe every 2-feet shall be required. Stripes and marking tape shall be blue for potable water. Marking tape shall be non-detectable Terra Tape by Reef Industries, Inc. or approved equal.

C. Locate balls shall be placed per the Standard Construction Specifications.

## **PART 3 – EXECUTION**

### **3.01 JOINING METHODS**

A. Butt Fusion: The pipe shall be joined by the butt fusion procedure outlined in ASTM F 2620 or PPI TR-33. All fusion joints shall be made in compliance with the pipe or fitting manufacturer's recommendations. Fusion joints shall be made by qualified fusion technicians per PPI TN-42.

B. Electrofusion: Electrofusion joining shall be done in accordance with the manufacturers recommended procedure. Other sources of electrofusion joining information are ASTM F 1290 and PPI TN 34. The process of electrofusion requires an electric source, a transformer, commonly called an electrofusion box that has wire leads, a method to read electronically (by laser) or otherwise input the barcode of the fitting, and a fitting that is compatible with the type of electrofusion box used. The electrofusion box must be capable of reading and storing the input parameters and the fusion results for later download to a record file. Qualification of the fusion technician shall be demonstrated by evidence of electrofusion training within the past year on the equipment to be utilized for this project.

C. Mechanical: Mechanical connection of HDPE to auxiliary equipment such as valves, pumps, and ductile iron fittings shall use flange or mechanical joint adapters and other devices in conformance with the PPI Handbook of Polyethylene Pipe, Chapter 9 and AWWA Manual of Practice M55, Chapter 6.

D. Joint Recording - The critical parameters of each fusion joint, as required by the manufacturer and these specifications, shall be recorded by an electronic data logging device on pipe larger than 12-inch diameter and on smaller pipe when required in the Contract Documents. All fusion joint data shall be included in the Fusion Technician's joint report.

### **3.02 INSTALLATION**

See Section 204 of the Albany Standard Construction Specifications.

### **3.03 TESTING**

In addition to the testing requirements of Section 505 of the *Standard Construction Specifications*, Hydrostatic leakage testing shall comply with the following procedure in-lieu-of the procedures outlined in Section 505.01.02B.

The pipe shall be pressurized with water and maintained at 160 psi for a period of four hours prior to the start of the pressure test. Once this step is complete, the pipe pressure shall be reduced to 150 psi and held for one hour, without adding additional water, with no more than a 5% drop in pressure. After the initial one hour pressure test is successful, the pressure test shall be continued for an additional hour with no more than an additional 5% drop in pressure to ensure the integrity of all mechanical connections. If the pressure test is unsuccessful and needs to be repeated, the test section shall remain depressurized for a minimum of eight hours before retesting. Pneumatic (compressed air) leakage testing of HDPE pressure piping is prohibited for safety reasons.