

## CONTRACT ADDENDUM NO. 2

### WEST SOUND UTILITY DISTRICT

#### 2016 Water Supply and Storage Improvements Project

Date of Issue: September 22, 2016  
Original Date of Opening: September 28, 2016  
Revised Date of Opening: October 12, 2016

#### Notice To All Planholders:

This Addendum No. 2, containing the following additions, is hereby made a part of the Plans and Contract Provisions (Contract Documents) for the above named project. It shall be attached to the Contract Provisions and shall be taken into consideration by the Bidders in submitting their bids.

#### CONTRACT PROVISIONS

##### Item No. 1: Date of Opening

**REPLACE** second paragraph of Page 1 of Specifications with the following:

Bids must be received at West Sound Utility District 2924 SE Lund Avenue, Port Orchard, WA, no later than 11:00 am, Wednesday, October 12, 2016.

##### Item No. 2: Chemical Feed System

**REPLACE** Part 1.1A of Section 11240 of the CSI Specifications with the following:

Provide complete and tested equipment for sodium hypochlorite and sodium fluoride feed systems, including bulk storage and day tanks; positive displacement metering pumps; skid mounted injection system discharge accessories; any and all appurtenances, valves, piping, tubing, and accessories necessary for a complete, fully functioning system meeting industry standards; and spare parts, as shown on the Drawings and specified herein.

##### Item No. 3: Chemical Feed Pumps

**REPLACE** Part 2.1.C of Section 11240 of the CSI Specifications with the following:

Pump Schedule:

<b>Service</b>	<b>Sodium Hypochlorite System</b>
Operating Range (gal./hour)	0.08 to 1.2
Operating Pressure	40 to 70 psi
Speed	Manually adjustable and capable of dosing based on 4-20 mA input signal
Stroke	Manually adjustable and capable of dosing based on 4-20 mA input signal
Metering Accuracy	+/- 0.1 percent

<b>Service</b>	<b>Sodium Fluoride System</b>
Operating Range (gal./hour)	0.3 to 2
Operating Pressure	40 to 70 psi
Speed	Manually adjustable and capable of dosing based on 4-20 mA input signal
Stroke	Manually adjustable and capable of dosing based on 4-20 mA input signal
Metering Accuracy	+/- 0.1 percent

**Item No. 4: Chemical Storage Tanks**

**REPLACE** Part 2.4.A of Section 11240 of the CSI Specifications with the following:

A. General Requirements:

1. Tanks shall be designed to contain sodium hypochlorite and sodium fluoride.
2. Tanks shall be chemically resistant to 12.5% sodium hypochlorite and 4% sodium fluoride.
3. Tanks capacity:
  - a. 1 (one) 20-gallon minimum sodium hypochlorite day tank.
  - b. 1 (one) 100-gallon sodium hypochlorite bulk tank equipped with ball valve to manually fill day tank.
  - c. 1 (one) bulk tank sized for 100 lbs. minimum of dry sodium fluoride with fluoride saturator.
  - d. Tanks shall be commonly stocked sizes.
4. Tanks shall be located indoors, with venting system to exterior of shelter.
5. Tanks shall be double walled design, or single wall with secondary containment.

**DELETE** second sentence of Part 2.4.C.1.a of Section 11240 of the CSI Specifications reading "Supply Washington PE stamped calculations."

**Item No. 5: Welded Steel Reservoir**

**REPLACE** Part 1.5 of Section 13025 of the CSI Specifications with the following:

A. The tank contractor shall have a minimum of 10 years of practical experience and successful history in the design, fabrication and erection of AWWA D100 welded steel water storage tanks. Approved tank contractors include but are not limited to:

1. Crosno Construction Inc., Arroyo Grande, CA (805-343-7437 office)
2. T. Bailey, Inc., Anacortes, WA (360-293-0682 office)
3. CBI Services, Inc., Everett, WA (425-249-5726 office)

**Item No. 6: Pump Control Valve and Flow Control/Check Valve**

**ADD** to Part 2.7 of Section 15100 of the CSI Specifications the following:

See Part 2.9 for valve operations.

**ADD** to Part 2.9 of Section 15100 of the CSI Specifications the following:

Flow Control/Check Valve shall be a solenoid operated valve that is normally closed. On pump start-up, the Flow Control/Check Valve will slowly open while the Pump Control Valve is closing.

During pump shut-off, the Pump Control Valve shall open, and the Flow Control/Check Valve shall slowly close.

The Flow Control/Check Valve shall be equipped with a micro-switch to shut the pump off when it is closed.

**Item No. 7: Programmable Control Equipment**

**DELETE** Part 2.2 A 1. of Section 16921 of the CSI Specifications reading: "1. The PLC in pump control panels shall be Allen-Bradley CompactLogix. No equal."

**REPLACE** Part 2.2 A 2. of Section 16921 of the CSI Specifications with the following:

2. The PLC in the pump control and telemetry panels shall be Allen-Bradley Micrologix 1400. No equal.

ALL OTHER REQUIREMENTS OF THE CONTRACT DOCUMENTS REMAIN IN EFFECT



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Michael R. Wilson  
General Manager

Date: 9/22/16