

ADDENDUM NO. 1

The following attached changes are incorporated into requirements for the Project No. 33-SBC-1002 Contract Documents by this Addendum:

1. Replace Section 33 12 16 - Utility Valves and Gates, Section 2.08 FLOW METER (page 33 12 16 - 6) with the following:

2.08 FLOW METER

A. Transit Time Flow Meter

1. The transit time ultrasonic flow measurement system shall be a transit time (time of flight) measuring type providing an electronic output signal proportional to the flow delivered/utilized in closed, full pipe, systems. It shall consist of:
 - a. A transmitter and flow transducer connected via conduit routed cables.
 - b. System clamps onto the outside of pipes and does not contact the internal liquid to prevent fouling.
 - c. System contains no moving parts.
 - d. Designed to measure the fluid velocity of liquid within a closed conduit with an accuracy of +/- 2%.
2. Flow Meter system to operate on 12VDC power supply.
3. Transmitter to provide digital display of flow and flow totalizer. Transmitter enclosure to be NEMA 4 or greater and mounted above ground.
4. Transducer shall be rated at Type 6 (IP67) environment with temporary submersion of 3 feet. Transducers shall be mounted per manufacturer recommendation with stainless steel straps.
5. Preapproved Flow Meters:
 - a. TFX Ultra, manufactured by Dynasonic, part number DTFXB-ZN-DKNN-NA-E with Transducers DTTL-020-A-020-N
 - b. F501 Single Channel Water Flowmeter, manufactured by Flexim Americas Corporation, part number US-501SC.KDC2.

B. Power Supply

1. Power supply shall be a solar power system comprised of an integrated solar panel, battery and charge controller, pole mounted.

2. Solar Panels to be minimum 75 Watt.
3. Battery to be 12V, sealed gelled electrolyte battery, with minimum storage capacity of minimum 80-amp hour. Battery to be installed in ventilated, weatherproof enclosure (Nema 3R or greater).
4. Power supply output to be 12VDC.

KITTITAS RECLAMATION DISTRICT

Dated this 6th day
of February, 2019

By: 
_____ Bob Main

Title: District's Representative