

## ADDENDUM NUMBER 2

Date: November 7, 2014

Re: West Energy Facility - Purchase and Install Water Softeners  
University of South Carolina

A/E Proj. No.: 143142

Submitted By: Danny Wilds, PE  
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The following items take precedence over referenced portions of the Contract Documents for the referenced project dated October 10, 2014, and, in executing a contract, shall become a part thereof.

Where any item called for in the documents is supplemented hereby, the original requirements shall remain in effect. All supplemental conditions shall be considered as added thereto.

Where any original item is amended, voided, or superseded hereby, the provision of such items not so specifically amended, voided, or superseded shall remain in effect.

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### **Submitted Questions:**

1. Are pipe sleeves required in the core drilled holes in a wall?  
A: Solid concrete walls - No  
Hollow block walls and floor slabs - Yes. Sleeves in floor slabs shall extend above finished floor a minimum of 1".
2. The Watts 009-QT does not come in a 2-1/2". What Model should be used as a replacement?  
A: In lieu of the 009-QT, provide a Watts 2-1/2" LF009-NRS.
3. What are the specifications for the pressure gauges?  
A: Pressure Gauges
  - A. Pressure gauges shall be 4-1/2" dial, liquid filled, flangeless stainless steel case with glass window and bronze bourdon tube. All gauges shall be high quality liquid filled type, graduated in psig with an accuracy of 1% at mid-scale and 1-1/2% over the balance. All gauges shall be provided with a needle valve and pressure snubber.
  - B. Gauge ranges shall be selected so the normal working pressure will be at mid-scale. Gauges shall be located where shown on drawings.
  - C. Gauges shall be as manufactured by Terice, Weksler, Wheatley or approved equal.
4. Will the new water softeners drain lines tie into the existing water softener drains?  
A: No, Provide a new 1-1/2" drain line from the new softeners. Provide saw cutting and concrete patch to remove existing below slab piping from sink to floor drain. Provide and connect a new 2" drain line to existing drain below slab. New 2" drain line shall terminate at the floor level with a 4"x2" hub. Connect drain from softeners, existing sink, and eye wash to new hub with an air gap.

5. Are there any schematics and /or diagrams for the controls for this project?
- A: No, contact the representative for Cleaver Brooks for required information. Installation of new DDC controlled valve will require the removal of the pneumatic float controls. Provide, in conjunction with the new control valve, a new Cleaver Brooks CB LCS-250E level control system with programable controller, 2 level sensors and transmitters, alarm horn and silence button. Provide necessary demolition and installation of piping and control conduit for a complete level control system.
6. How much time will be allowed for making the tie-ins for the city water and installing the metering and valve stations at the DA tank? Will this work need to be performed on weekends or after hours?
- A: USC Anticipates a down time between 6 to 8 hours and may require weekend or after hours work to accomplish. Shut down dates and time frames shall be coordinated and scheduled with USC Facilities.

END OF ADDENDUM NO. 2