The Purpose of this Addendum #1 is to provide Questions and Answers and the Pre-Bid Sign-In Sheet.

- Questions and Answers (2 PAGES)
- Pre-Bid Conference Sign-In Sheet (1 PAGE)

All other specifications remain unchanged.

All inquiries during the bid and evaluation process must be directed to the Buyer of Record, OSU and the A&M Systems Purchasing Department, by phone at 405-744-5984, fax 405-744-5187, email purchase@okstate.edu, or if you are responding to an online solicitation please use the associated Question and Answer Board. Contact with the end user or department during the bid and evaluation process may disqualify bid.
QUESTION 1:
I don’t see any sample ports on the pretreatment equipment shown in the drawing. This may be a good question to ask the customer and show some differentiation in value because you are thinking about long term serviceability of the system.

ANSWER 1:
There are two hose bibs on the system on 1/P501. In addition, provide a hose bib before and after the carbon tank, between the RO filter and the tanks, after each tank, and after the UV-C light.

QUESTION 2:
We don’t have a 2.78 gpm wall mounted unit. That would be a 3.0 gpm M41 (stand alone) or a 2.1 gpm MFX unit (wall mounted but doesn’t technically meet the spec) will the 3 gpm M41 be acceptable? It makes .22 gpm more than the spec.

ANSWER 2:
Floor mounted equipment will require an equipment pad, must have code and manufacturers service clearance space, and must provide the 2.78 gpm minimum.

QUESTION 3:
They have a poly spill container beneath the carbon units. I would be worried about the exchange carbon tanks being safely moved on and off of those. Its your service manager’s call on that. With the concern can we omit the spill containers?

ANSWER 3:
The poly spill decks are 2” tall and shouldn’t be an obstacle to the carbon tank movement.

QUESTION 4:
The spec calls for a VFD with 110V. I don’t think there are VFD’s with 110V. Because they are based on 3 phase power, all VFD’s on pumps are usually 208/230/460V; 3 phase please clarify.

ANSWER 4:
There are multiple manufacturers of VFD’s that meet our requirements. Provide a pump according to Hex note 7 P-101. Basis of design pump has VFD integral to pump. External VFD is also acceptable.

QUESTION 5:
On P-101 / Concerning DHW, DHWR & DCW within the scope of the bid. Are there currently isolation valves in the Mechanical room on the current DHW, DHWR and DCW that can be utilized when we install the three tees to provide our service to the RO equipment train, therefore preventing a major draining of potable water to the entire building and extended down time to the building?

ANSWER 5:
There are several locations of isolation valves on the building domestic water system. Contractor should verify the locations of the isolation valves and connection locations prior to bidding. If a building services shutdown is required, it must be coordinated with the owner.

QUESTION 6:
Do the three housekeeping pads/equipment pads need to be pinned to the existing floor or can they simply be floated?

ANSWER 6:
No pinning is required.
QUESTION 7:
Shall firestop assemblies shall be rated for 2 hours. If greater please indicate.

ANSWER 7:
Contractor shall assume that mechanical room piping penetrations are 2-hour assemblies.

QUESTION 8:
No permits will need to be pulled with the City of Stillwater, OK, Yes/No

ANSWER 8:
No permits are required with the City of Stillwater.

QUESTION 9:
Section 22000 – Plumbing / Part 1 – General – 1.8 As Built Drawings. Are we to provide finished PNID drawings of all plumbing, different than provided currently by Guernsey on P-101 and P-501?

ANSWER 9:
Contractor shall provide record drawings of all work performed under this contract. Design documents provide diagrammatic guidance and the salient characteristics of the system to be installed. Contractor shall document the actual installation for the owner’s permanent records. Contractor can update the design documents or provide their own piping diagram (diagram similar to 1/P501 is required for final acceptance).

QUESTION 10:
Section 22000 – Plumbing / Part 2 Products – 2.1 Piping – Is it within the scope of the bid to run schedule 80 PVC post Mixing valve. Reference P-101.

ANSWER 10:
Yes.

QUESTION 11:
Section 22000 – Plumbing / Part 2 Products – 2.5 Piping Insulation – Only DHW and DCW type L copper piping contained within the scope of the bid is to be insulated, Yes/No?

ANSWER 11:
Yes, Post mixing valve water is approximately room temperature and therefore will not sweat.

QUESTION 12:
Section 22000 – Plumbing / Part 3 – Execution – 3.9 B. Tests and Inspections – Does test of water pipe only pertain to Type L copper from where the scope of bid has us connecting from DHW, DHWR & DCW to the mixing valve, Yes/No?

ANSWER 12:
Test all new work installed in basement under this contract according to specification 22000 (to 150 psi). Prior to system hand over, incrementally test the entire RO system new and existing at 30 psi increments with a final test pressure of 90 psi for 2 hours.

QUESTION 13:
What fire protection is necessary for the wall penetration that is on the east wall of the mechanical room going into the lab with the tie-in location?

ANSWER 13:
Provide a 2-hour rated UL listed assembly for all rated floor and wall penetrations. Specifically, piping penetrating hall ways, floors, and mechanical rooms.
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Page 1 of 1