

ADDENDUM #1: July 22, 2013

Canyon Power Plant Re-Piping Project

WE ARE ISSUING IMPORTANT CHANGES TO THE REQUEST FOR BIDS INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

- 1. Adding a second optional site/project walk down meeting: July 25, 2013 at 9:00 AM.**
- 2. Extending the Response Deadline: August 21, 2013 at 2 PM.**
- 3. Changes to the RFP's scope of work.**
- 4. Changes to the RFP's proposal submission required elements.**
- 5. Questions/Answers submitted by prospective bidders:**

A. Is cleaning and pacification of pipe required?

Answer: Yes, per Mechanical Notes for Cleaning and Testing on Drawing M-001

B. Is there a domestic requirement on material?

Answer: No

C. What are the inspection requirements? NDT?

Answer: Welding associated with above ground pipe replacement can be tested based on the pipe hydrostatic pressure testing per M-001 - Testing.

D. Is an orbital welder acceptable?

Answer: Yes, as long as weld procedures and weld qualifications meet the "Section 232000 – Piping and Fittings" specification.

E. Are there paint and labeling requirements?

Answer: Per document "Specification for Replacement of Piping and Fittings" section 2.6, stainless steel piping will not require painting. Labeling is to be "RECLAIMED WATER" in purple on each section of pipe.

F. Are existing nuts and bolts to be replaced by stainless steel?

Answer: Yes, per "Specification 232000 – Piping and Fittings" section 2.01 specifies piping bolting, and gasket replacement materials and material standards.

G. On drawing CG-RWS-0005 it shows a reducer 3" x ? then go to P&ID (CG-M114 SHT 1) and it doesn't show any reducer.

Answer: The Plant Irrigation Pump Suction Size is 1-1/4" reduced from the 3" pipe by a 3" x 1-1/4" eccentric reducer; corrected drawings forthcoming.

H. I have re-read the specs for the rusted pipe and it does not include replacing the reverse osmosis filters (as was stated during the jobwalk). Do you want this included in the scope of work?

Answer: No, replacing the reverse osmosis filters will not be included in the scope of work. However, revised workscope will be issued specifying required repairs to filter skid piping and Filters [0-DMN-FL-001A/B] and [0-DMN-FL-002A/B] by 7/24/13.

I. A copy of the J03908 Raw Water Skid, Listed in RFP, Appendix A is missing from the package of information handed out at the pre-bid meeting.

Answer: Raw Water Pump Skid, Vendor IOM Manual (abridged version) will be available at CPP on July 25, 2013.

J. Given that no underground piping is included in the project scope of work. Will this eliminate the pipe replacements shown on Drawings: CG-GRW-008, CG-RWS-0105 & CG-RWS-0025?

Answer: Pipe line sections shown on CG-RWS-0105, CG-GRW-008 and CG-RWS-0025 do not require replacement.

- k. CG-RWS-0025 (and CGD-M101 & CG-M101) These drawings represent the line supplying raw water to the Chilled Water System Cooling Tower. During the job walk, this line was not specifically pointed out. Is 6"-AAA-RWS-0025 included in the work scope (replace with 316L Piping)?

Answer: 6"-AGA-RWS-0025 (304 SS) shown on CG-RWS-0025 (and CGD-M101 & CG-M101) does not require replacement. However the above ground pipe section 6"AAA-RWS-0026 does require replacement.

- L. CGD- M116 & CG- M116 shows three pipe lines exiting the second stage filters, 0-DMN-FL-002A & B being demolished and replaced with 316L SS. These lines appeared to be stainless steel during the jobwalk. Are these three (3) lines leaving the filters included in the work scope (replace with 316L Piping)?

Answer: Revised workscope will be issued specifying required repairs to filter skid piping in general by 7/25/13. The specific sections of piping described by vendor; discharge side of Filters [0-DMN-FL-002A] & [0-DMN-FL-002B] do not require replacement.

- M. Requirement for Contractor to hold a National Board "R" Stamp. Is there any scoped work that will require Section VIII repair work to vessels or is this a general requirement? I have reviewed the package/documents and cannot find and Code repair work to vessels unless there is some hot work required for installing the internal lining in the two first stage filters on the water conditioning system Package Filter Skid.

Answer: "R" Stamp certification is a general requirement of the RFP.

- N. Package does not specify the installation of a new internal coating for the first stage 15 micron bag filter housing as stated during the jobwalk. Please verify that the coating is part of project scope and provide specifying data such as coating type, min. required dry film thickness, application requirements, acceptable coating vendors, etc.

Answer: Revised work scope will be issued for Filters [0-DMN-FL-001A/B] and [0-DMN-FL-002A/B].

- O. RFP, page 3 states that existing gate valves shall be replaced with "stainless steel lined, iron body butterfly valves" and references Section 230523, Manual Valves. Section 230523, Para 2.04, Butterfly Valves, specifies a SS body, disc and shaft valve. Verify if the specified, all SS valves is acceptable.

Answer: Replacement gate valves, check valves, butterfly valves, and globe valves shall follow "Specification 230253 – Manual Valves" or engineered approved equal. In general all replacement piping and fittings shall be of 316L material, and if those components are not specified herein, the vendor shall submit to the Engineer for approval.

P. Specification for Replacement of Pipework and Fittings Section 2.4

- a. See RFP, Item M, above regarding requirement for "R" Stamp.
- b. This section states that welding should be by shielded metal arc method. This is contradicted by requirements in Section 232000, Piping and Fittings, Para. 3.02 C.2.b. & e. which requires that pipe less than 3/16" thick shall be welded by gas-tungsten-arc (GTAW) process. Per Para. 2.01, all specified pipe sized 12" and below will have an average wall thickness less than 0.1875" and therefore require GTAW process. Is GTAW process acceptable for specified pipe sizes 12" and below?

Answer:

- a) R" Stamp is no longer required to perform modifications to the Filters [0-DMN-FL-001A/B and 0-DMN-FL-002A/B but is a general condition of the RFP.
- b) PB will revise "Specification for Replacement of Piping and Fittings" section 2.4 to read as follows: [was] "Welding should be by shielded metal arc methods, with purging.....; [now] "Welding should be either by shielded metal arc methods or gas tungsten arc methods, with purging....."
 - i. Per "Specification 232000 Piping and Fittings" section 2.01, piping 2 inch and smaller shall use schedule 40S wall thickness classifications; i.e. (.154 inch) thickness for 2" nominal piping; and therefore SMAW cannot be used and GTAW is acceptable per "Specification 232000 Piping and Fittings" section 3.02.C.2.b & 3.02.C.2.e for any piping 2 inch and less nominal diameter.
 - ii. Per "Specification 232000 Piping and Fittings" section 2.01, piping 2 1/2 inch and larger shall use schedule 10S wall thickness classifications; i.e. GTAW must be used for nominal piping 12" (.180 inch wall thickness) and below, for piping greater than 12" GTAW or SMAW is acceptable.

Q. Pipework and Fittings Section 2.6

- a. Define 316L SS pipe as not requiring painting. Please confirm that the new, AG, 316L SS GRW service piping will require "purple" paint as stated during job walk.
- b. Please define line labeling requirements

Answer: (a.) 316L replacement piping does not require painting. ((b.) All pipe sections are to be labeled "RECLAIMED WATER".

R. Section 232000, Piping and Fittings, Para. 3.02 C.1.d. specifies a 3-pass minimum welding procedure. Due to the thinner wall of most pipe (12 and smaller) specified by this Specification, would a qualified, approved, 2-pass procedure be acceptable?

Answer: PB recommends vendor follow specification. Vendor may submit 2-pass procedure for 316L for Engineer approval.

S. Can you please send a piping and valve spec for this project I think the spec we are looking is AVA.

Answer: the piping specification is included with "Specification 232000 Piping and Fittings" section 2.01 supplied with RFP package. The valve specification is document "Specification 230253 – Manual Valves" supplied with RFP package.

T. On the drawing CG-GRW-0009 SHT 1, it shows a series of valves and instrumentation. What kind of valves and instrumentation you are going to need?

Answer: Refer to CGD-M114, CG-M114, M-001, M-002, and "Specification 230253 – Manual Valves". Instrumentation shown on CGD-114 and CG-114 are to be re-used per drawing notes. There is no instrumentation being identified by drawings CGD-M116 and CG-M116 as requiring removal. Please request vendor to clarify.