

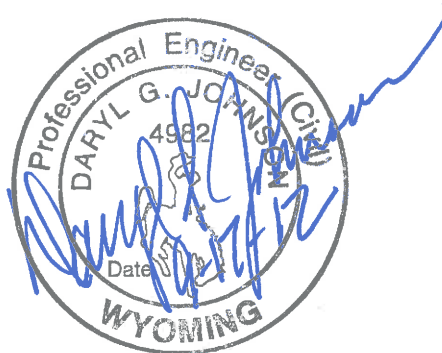
! Notice !

**TO: All Plan Holders, Prospective Bidders and
Suppliers**

Addendum No. 1

Green River Water Treatment Plant Clearwell

**Bid Opening September 21, 2012
@ 3:00 PM**



**Prepared by:
Daryl G. Johnson, P.E.
A.V.I. Professional Corporation**

Notice

TO: All Plan Holders, Prospective Bidders and Suppliers

Addendum No. 1

Green River Water Treatment Plant Clearwell

A. **Scope:** Addendum No. 1 consists of **9** pages, new Bid Schedule, **15** pages, Plan Holders List, Pre-Bid Attendees, Pre-Bid Minutes, Power Point Presentation. Addendum No. 1 addresses the following clarifications to the Contract Documents, Specifications, and Drawings (3,4,7,8,9, &10) for the Green River Water Treatment Plant Clearwell.

B. **Bid Form:**

1. Delete **SECTION 00400 BID FORM** issued with the Contract Documents and replace it with the revised enclosed Bid Forms dated September 17, 2012. Note the following revisions:
 - a. Change **Item No. 03300.02** Description to **Beam/End Baffle Wall Repair [2/10]***.
 - b. Change **Item No. 03300.03** Description to **Interior Roof Beam/Baffle Wall Repair [4/10]***.
 - c. Change **Item No. 03300.05** Description to **Modified or New Hatch Ladder**, and Quantity to **1 each**.
 - d. Add the following item. **Item No. 03300.08, Epoxy Coat Repair @ Marriage Wall/Beam Connection**, Quantity 75 Square Feet at nine locations.
 - e. Add the following item. **Item No. 003300.09, Concrete Mock-Up Wall**, Quantity 1 Each.

- f. Change **Item No. 07525.01** Description to **Modified Bituminous Membrane Roofing System & Vapor Retarder using Cold Cement Application.**
 - g. Add the following alternate item. **Item No. 07525.01A, Modified Bituminous Membrane Roofing System & Vapor Retarder using Torch Cap Sheet.**
2. Change paragraph 6.01 of **ARTICLE 6 – TIME OF COMPLETION** to read as follows:

6.01 Bidder agrees that the Work will be substantially complete on or before December 1, 2012 and will be completed and ready for final payment in accordance with Paragraph 14.07 of the General Conditions on or before **December 15, 2012.**

B. **Specifications:** Make the following changes to the Specifications and Contract Documents.

- 1. Specification Section 00020 Invitation to Bid. Change the **Bid Opening Date to 3:00P.M. on the 21st day of September, 2012.**
- 2. Specification Section 00500 Agreement. Revise “OWNER” official name on the contract to the following:

City of Green River, WY
City of Rock Springs, WY
Sweetwater County, WY
Joint Powers Water Board
#3 Telephone Canyon Road
Green River, WY 82935

- 3. Specification Section 00500, Agreement; Article 6 Payment Procedures; Section 6.02 Progress Payments; Retainage, paragraph A.1.b. Change “Retainage will be 20% of the value of materials and equipment...” to **“Retainage will be 10% of the value of materials and equipment....”**.
- 4. Section 00800, Supplementary Conditions: SC-11.03 Unit Price Work: delete paragraph D in its entirety and replace with the following:

D. In the event of an increase or decrease in the bid quantity of major pay items of unit price contract, there will be **no adjustments in the unit prices** for quantities that exceed or are less than the quantities shown on the bid form.

Explanation-Beam/End Baffle wall repairs are limited to 4 each in the south clearwell. Interior Roof Beam/Baffle Wall Repairs are measured and paid for based on the cubic foot volume of the patch materials installed. The total number of repair locations that potentially could be identified for repair is 41 (32+9). The actual number of repair sites will be determined when the tank is emptied and each of the connections has been sounded by the Engineer and identified for repair. The volume of the repairs will be measured upon completion and acceptance of the surface preparation for the patch. Repairs will be measured and paid for on the cubic foot volume basis of the prepared patch authorized for hand applied surface repair. Volumes will be calculated to the nearest 0.1 cubic foot. No adjustments in Unit price will be made for an increase or decrease in the number of patches or volume (cubic feet) of hand applied surface repairs completed.

Epoxy Crack Injection and Grout (Polyurethane) Crack Injection quantities are provided to cover repairing cracks in formed surfaces as identified by the Engineer. Crack Injection quantities are estimates for bidding purposes in establishing unit prices for the work. Injection work will be paid for the linear foot of crack injected.

5. Section 00800, Supplementary Conditions: SC-16.01 Methods and Procedures:

Delete paragraphs SC-16.01C and SC-16.02 paragraphs A through F in its entirety.

Add the following: **Article 16 Dispute Resolution**
Delete this ARTICLE in its entirety.

6. Section 03300, CAST-IN-PLACE CONCRETE

Add the following sentence to Paragraph B, Section 2.6 Admixtures (pg 6 of 23):

Chemical admixtures shall be ANSI/NSF Standard 61 compliant.

7. Section 03300, CAST-IN-PLACE CONCRETE

Add the following paragraph D. to Section 3.11 Form and Pour Concrete Repair Procedure:

D. Optional Repair

Dry-Shot Crete is an acceptable method with approval of materials and procedures. The nozzleman shall be ACI certified, materials must be NSF (National Sanitation Foundation) approved, and the

Shot Crete procedure submitted for review and approval by the Engineer.

8. Section 03300, CAST-IN-PLACE CONCRETE

Add the following paragraph 2 to Section 3.12.C, Option Repair Procedure:

2. Dry-Shot Crete is an acceptable method with approval of materials and procedures. The nozzleman shall be ACI certified, materials must be NSF (National Sanitation Foundation) approved, and the Shot Crete procedure submitted for review and approval by the Engineer.

9. Beam Wall Connections. Add the following procedures for repair of nine (9) Beam/Wall Connections.

Beam/Wall Connection Repair: Coat exposed steel reinforcement and adjacent concrete with Macropoxy 646 Fast Cure Epoxy (tinted gray) by Sherwin-Williams (www.sherwin-williams.com) or approved equivalent. Chip and remove all loose and unsound concrete. Abrasive blast surface to remove all dust, dirt, loose materials, rust, and other foreign materials to ensure adhesion. Apply epoxy paint in accordance with manufacturer's written directions.

Add the following procedure for repair of exposed steel around cut openings of the south clearwell access hatch and at other locations where rebar is exposed.

Cut openings-South Clearwell Construction and Worker Access Hatch: Coat exposed steel reinforcement with Macropoxy 646 Fast Cure Epoxy (tinted gray) by Sherwin-Williams (www.sherwin-williams.com) or approved equivalent. Abrasive blast surface to remove all dust, dirt, loose materials and rust, and other foreign materials to ensure adhesion. Apply epoxy paint in accordance with manufacturer's written directions.

10. Add the following Specification Sections which are attached.

Add Specification Section 07720 Type SS Roof Hatch Specification (2 pages).

Add Specification Section 07721 Type E Roof Hatch Specification (3 pages).

11. Section 07525 MODIFIED BITUMINOUS MEMBRANE ROOFING

The following product will also be acceptable to be used in lieu of the standard sand-backed modified bitumen cap sheet, specified for cold process application. Contractor shall provide an alternate cost to install a torch grade cap sheet over a hot mopped base ply system.

Add the following paragraph 7. To Section 2.01.A System Description

7. Siplast Paradiene 30 FR TG fire-rated asphalt elastomer sheet with mineral surfacing, random glass mat-reinforced, thin layer of grooved torching grade asphalt on the bottom side.

12. Section 07525 MODIFIED BITUMINOUS MEMBRANE ROOFING

Add the following paragraph E. to Section 3.04 Asphalt Handling, Heating, and Application:

E. Torch Application and Safety. Crew members handling torches shall be trained by an Authorized Certified Roofing Torch Applicator (CERTA) Trainer, be certified according to CERTA torch safety guidelines as published by the National Roofing Contractors Association (NRCA), and follow torch safety practices as required by the contractor's insurance carrier. Designate one person on each crew to perform a daily fire watch. The designated crew member shall watch for fires or smoldering materials on all areas during roof construction activity, and for the minimum period required by CERTA guidelines after roofing material application has been suspended for the day.

Contractor shall only apply roofing materials when the weather is conducive to proper application. Avoid application during cold or windy weather that will negatively impact the proper adhesion of the roofing materials. The use of a seven head "Dragon Wagon" and wind shield are encouraged to ensure a complete weld throughout the cap sheet.

Follow the manufacturer's specifications and guidelines with regard to transporting, handling, storage and application.

C. **Drawings:** Make the following changes to the Drawings.

1. Drawing No. 3 of 13.

Add the following note: Green River Joint Powers Board to furnish and install four (4) mechanical spools on Clearwell Roof to extend access points for floor box operator nuts (2 each) and ultrasonic measuring devices (2 each).

Add note to “Remove Curb at South Clearwell Hatch”.

Change See Sheet 7 for Details to See Sheets 8 & 10 for Details regarding Relocated South Clearwell Hatch.

2. Drawing No. 4 of 13.

Add note “Epoxy Coating Repair @ 9 locations” with leader and arrow pointing to intersection of existing marriage wall and interior roof beams.

3. Drawing No. 7 of 13.

Add the following Notes below Wall Section 1/7.

- a. All vertical and horizontal joints have two (2) waterstops (Swellseal & Injecto Tube).
- b. At new wall, form and integrally cast 2” x 2” (minimum size) full height corner coves on water side of the wall.

4. Drawing No. 8 of 13.

- a. **Delete New Ladder Hatch Detail** (North Clearwell) 2/8. Ladder will not be installed in this contract.
- b. New South Clearwell Access Hatch 3/8. **The upper right note should read** “Install New Curb, See Detail 4/8”.

5. Drawing No. 9 of 13.

- a. Form-and-Pour Repair Procedure, note 3, second to last sentence **replace** “on Sheet XX” with “on Sheet 10”.

6. Drawing No. 10 of 13.

- a. Hand-Applied Surface Repair Procedure, Note 1, third sentence **replace** “depth of % inch” to “depth of ½ inch”. Sixth sentence **replace** “with a minimum of % inch” to “with a minimum of ¾ inch”.
- b. Beam/Baffle Wall Repair Details 2/10. The **wall repair details shall extend for a length of 5 feet**. Delete the reference to 2 feet. Several spalls exist at the Beam Baffle Wall interface extends beyond 2 feet beneath the roof beam. Additional steel shall be added at 12” centers between the rebar shown to reflect the 5 foot height.

D. **Clarifications:** The following clarifications are provided.

1. In-state preference is provided for resident bidders.
2. Formwork shop drawings. The formwork drawings for the new wall in the South Clearwell shall be stamped and signed by a registered professional engineer. The engineer does not necessarily need to have a Wyoming license.
3. Type V cementitious material can be submitted for the concrete mix design.
4. A Mockup wall has been included as a bid item. The contractor is to setup a mock wall using the forming method submitted for the new concrete wall. The wall is to be 12 feet wide, 15 feet tall, and 1 foot thick. The wall will be constructed on site using forming methods, concrete mix design, and placement methods to replicate the wall placement. The Joint Powers Board will provide an area to construct and place the mockup wall section at the project site.
5. The Green River Joint Powers Board will furnish and install four (4) mechanical spools on the Clearwell roof to extend the access points for floor box operator nuts (2 each) and ultrasonic measuring devices (2 each).
6. The height of the Beam/Baffle wall repair detail is to be extended to a five (5) foot height. Some of the end baffles are spalled greater than two (2) feet. Adjust reinforcing details to reflect the five foot height.
7. New Hatch and Repair Detail at the South Clearwell. Remove all of the curb around the south hatch. A new ladder will not be required on the North Clearwell Hatch. The ladder on the South Clearwell hatch can be modified to meet the requirements shown on the drawings or a new ladder fabricated.
8. Drawing No. 7/13. The Wall Section Detail 1/7 shows two (2) waterstops. The waterstops are applicable for both horizontal and vertical joints.
9. Note the requirement in the specifications Section 03300, Part 3 Execution, Paragraph 3.2.C. The new cast in place wall of the South Clearwell, form and cast 2" x 2" (minimum size) full-height corner coves on the water side (or south side) of wall. Corner coves shall be integrally cast with the new wall.
10. At the existing concrete roof expansion joint remove existing loose concrete patches and place new patch prior to beginning roof installation. Approximately 12 LF@ 6" wide. Work is considered subsidiary to roofing preparation work.
11. Contractors will need to utilize rebar locators to mark existing rebar prior to installing dowels and fabricating new wall connection plates.

12. Patch preparation is of utmost importance in preparing the existing surfaces and rebar for patching. All patch preparation shall be approved by the Engineer prior to placing patch materials. All rebar is to be blasted to a near white surface removing all signs of rust.

13. AMICO's Stay Form is one manufacturer of stay-in-place forms for Blindsided Walls.

Pre-Bid Meeting.

The pre-bid was held at 1:00 P.M. on September 13, at #3 Telephone Canyon Road, Green River, Wyoming. A copy of the pre-bid meeting attendance and power point presentation is attached. The meeting highlighted the project going through the Instructions to Bidders, Bid Proposal Requirements, Bid Guaranty, In-State Preference will apply. Part III Bid Proposal was reviewed. It was noted to submit Subcontractors and Material Suppliers along with submittal of the Pre-qualifications General Conditions highlighted Insurance Requirements, City licenses and permits required. A general description of the project site was provided. It was explained that the Substantial Completion Date is December 1, 2012 with Final Completion on December 15, 2012. The Warranty Period was brought to the Bidder's attention. Project Plans were highlighted with a Power Point Presentation that Project Details, Project Approach, and drawing details. Selected plan sheets were presented and work efforts regarding roofing and concrete repairs were discussed. Nick Lovato, roofing consultant went over the roofing plan details and Kim Basham, structural engineer, discussed the concrete wall and repair details. Pictures of each of the work areas followed each of the plan sheets. Project questions should be addressed in writing to Daryl Johnson, djohnson@avipc.com by 5:00 PM on September 17, 2012. Project Schedule identified the contract approval procedure to be approved on at the September 27, 2012 Joint Powers Water Board meeting with a Notice to Proceed anticipated in early October 2012. The meeting was opened for questions. The attendees were encouraged to visit the site and review the existing conditions and work areas. The formal meeting adjourned around 3:30 P.M. to the Clearwell Tank site where tank features were discussed, staging areas pointed out, and potential areas for storage of materials identified.

Responses to Questions Received.

1. Question. Is the Contractor responsible for sales tax?
Response. Contractor must pay sales tax on the materials. See Section 00800 Supplementary Conditions, Paragraph 6.10.B., Wyoming Sales and Use Tax.

END of ADDENDUM NO. 1