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**August 4, 2014**

TO: All Interested Bidders  
SUBJECT: Invitation for Bids #14-2032CD  
10 MG Storage Tank and Interconnection at the Southeast Water Reclamation Facility

**ADDENDUM #1**

**Bidders are hereby notified that this Addendum shall be acknowledged on page Bid Form-1 of the Bid Form and made a part of the above named bidding and contract documents. Bids submitted without acknowledgment of the Addendum will be considered incomplete.**

The following items are issued to add to, modify, and clarify the bid and contract documents. These items shall have the same force and effect as the original bidding and contract documents, and cost involved shall be included in the bid prices. Bids to be submitted on the specified bid date, shall conform to the additions and revisions listed herein.

1. **CLARIFICATION** of Article 1.04.2, Substitutions and Product Options, of Section 01600 on page 1600-2 of the Technical Specifications:  
  
The County and the Engineer of Record will not provide review and approval of “or equal” products prior to bid award. Prospective bidders are directed to bid on the products specified within the respective sections of the Technical Specifications. After award of the project, the County and the Engineer of Record will review requests for substitutions from the awarded Contractor, if requested, during shop drawing submittals to determine “or equal” status to the product(s) specified in the Technical Specifications.
2. **DELETE** the last two sentences of Article 1.04.A of Section 01030 on page 01030-2 of the Technical Specifications.
3. **DELETE** the last sentence of Article 1.04.D of Section 01030 on page 01030-2 of the Technical Specifications.
4. **DELETE** Plan Sheet M-4.2 and **INSERT** Revised Plan Sheet M-4.2 that is attached to this Addendum #1.
5. **CHANGE** the Due Date and Time to **Wednesday, August 20, 2014 at 3:00 PM.**

**The following question has been presented by potential bidders:**

**QUESTION #1:** The pipe schedule in specification section 15050 indicates the RCW lines to be ductile iron, but specification section 15063 indicates these lines are to be HDPE. Please clarify the required pipe material for the RCW lines.

**RESPONSE #1:** The RCW lines shall be DIP in accordance with Section 15050.

**QUESTION #2:** Sheet C-1.5 indicates a match line to sheet 1.6 for continuation, but this line does not match sheet C-1.6. Please clarify the match line.

**RESPONSE #2:** The match line on Sheet C-1.6 should be rotated 90° and shown at approximate STA 300+50.

**QUESTION #3:** Sheet C1.6 at station 304+02.80 indicates a 30x16 tee with a 30x24 reducer, but the line doesn't show a reducer and still indicates a 30" line. Please indicate the size of the pipeline between stations 304+02.80 and 304+85.94.

**RESPONSE #3:** Remove 30"x24" reducer callout at STA 304+2.80. Pipe size between stations 304+02.80 and 304+85.94 is 30".

**QUESTION #4:** Sheet C1.6 at station 304+85.94 indicates a 24x16 tee and a 24x16 reducer, but the pipeline is shown as 20". Please clarify the pipeline size and reducer size.

**RESPONSE #4:** Remove 24"x16" tee callout and replace with 30"x16" tee. Remove 24"x16" reducer callout and replace with 30"x 20" Reducer. The pipeline after the reducer is a 20" main.

**QUESTION #5:** On sheet M-9.2 the Fill Tank detail indicates a 16" MJ 90 above grade. Please clarify this is to be a Flanged 90 and not a mechanical joint 90.

**RESPONSE #5:** All joints above grade are flanged and all joints below grade are mechanical joint.

**QUESTION #6:** On sheet M-2.1 at the first tee there is an additional flange drawn in at this location. What is this extra piece? There is not a section showing the pipe in that view.

**RESPONSE #6:** Please remove the additional flange.

**QUESTION #7:** On sheet M-2.1 there is a 4" air and vacuum valve shown off the 16" main line. There is not a specification for a flanged air and vacuum release valve. Please provide.

**RESPONSE #7:** Air release shall be Val-Matic Model No. 104S, 300 psi cold water pressure design or approved equal.

**QUESTION #8:** On sheet M-2.1 the discharge of the 4" vacuum valve does not show where it goes. Please provide more information on this detail.

**RESPONSE #8:** Discharge into the wet well. Contractor shall determine final piping arrangement.

**QUESTION #9:** On sheet M-2.2 before the reducer there is an additional flange drawn in at this location. What is this extra piece? There is not a section showing the pipe in that view.

**RESPONSE #9:** Remove the additional flange.

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**QUESTION #10:** On sheet M-2.2, there are two 8" blind flanges called out, but it seems one should be a 16" blind flange. Please confirm.

**RESPONSE #10:** Blind flange for surge suppression is 8" and for wet well connection is 16".

**QUESTION #11:** On sheet M-4.2 the 30" DIP Inlet and Outlet detail shows the centerline to the pipe as 95'-0" radius, but the end of encasement is radius 77'-4". The 12" drain line detail shows the edge of encasement at radius 102'-6". Which is correct?

**RESPONSE #11:** Edge of encasement is at 102'-6" for all. See amended Sheet M-4.2.

**QUESTION #12:** On sheet M-4.2 the 30" DIP Inlet and Outlet detail shows the pipe being 20". Sheet C1.4 shows a discharge of 42" and an inlet of 30". Is this pipe 20", 30", or 42"?

**RESPONSE #12:** The inlet pipe is 32" and the outlet pipe is 42". See amended Sheet M-4.2.

**QUESTION #13** On sheet M-4.2 there is a detail for a 12" outlet. There is not a 12" outlet pipe, but there is a 16" pipe. Should this detail be 16"?

**RESPONSE #13** Remove all references of 12" from 12" Outlet and replace with 42". See amended Sheet M-4.2.

**QUESTION #14** Please clarify that the Variable Frequency Drives (VFDs) are to be provided as part of working system by the Pump Suppliers. The Pump Specification 11313, 1.02, C references the VFDs and 11313, 2.01, N requires the Pump Supplier to be responsible to insure that the VFDs are suitable for operation with the pumps furnished. The Electrical Specification 16010, 1.01 excludes the VFDs from the scope of supply. Paragraph 16010, 1.01, H appears to confirm that the VFDs are part of a coordinated pump system by saying "mount and wire" VFDs only?

**RESPONSE #14** The VFDs are to be provided by the pump suppliers.

**QUESTION #15:** In specification section 11313, I would like to request that the PACO/Johnston name in the specification be changed to more accurately represent the pump brand that would be available on vertical turbines through the PACO-Grundfos family of pumps. As the PACO municipal representative for FL we request that it be changed to PACO/Peerless or PACO/Grundfos. Johnston pumps are no longer associated with PACO brand pumps.

**RESPONSE #15:** Remove Paco/Johnston from Section 11313 Vertical Turbine Pumps (1.02)(B)(3) and replace with PACO/Peerless.

**QUESTION #16:** Sheet C-1.6 of the drawings has several notes that discuss the relocation of the oil storage building. Does the County have any information about this building? Manufacturer, erection date, etc.? There appears to be a jib crane inside the building. The plans do not describe what to do with it. Is it to be relocated also? Is there any other equipment that is not shown/discussed that needs to be relocated? The notes say that the contractor must provide electrical service to the new building location. What and where is the source of this power? What are the power requirements? Nothing is shown on the electrical plans regarding this building that we can see.

**RESPONSE #16:** Additional information for the metal building is not available. The jib crane shall be relocated with the metal building. The foundation design submitted in accordance with the notes provided on sheet C-1.6 shall include adequate support and anchoring for the jib crane. All existing electrical equipment shall be relocated within the metal building. The Contractor shall provide electrical service to the metal building from the closest available source to be coordinated during construction.

**QUESTION #17:** Please see sheet C-9.2 of the plans. Where do the details for “Motor operator on new BFV” and Motor operator on existing BFV” apply? I see where BFV installation is called for on the plans, but they do not call for motor operators. Can you tell us which new and existing valves (if any) will be getting motor operators?

**RESPONSE #17:** MOV-255, MOV-123, MOV-124, and MOV-125 are all motorized valves provided in this project. All are above grade valves. Details on Sheet C-9.2 are provided for informational purposes only.

**QUESTION #18:** The 10 MG storage tank plan view on drawing M-4.1 depicts the overflow pipe as 42”, the pipe bracket in the same drawing show it to be 12”. What is correct?

**RESPONSE #18:** The overflow pipe from the 10 MG storage tank is 42”

**QUESTION #19:** Drawing I-2.2 depicts the 10 MG tank having a valve marked HV-300A on the 42” overflow pipe. The subject valve is not shown at any other location. Is this valve required?

**RESPONSE #19:** Remove valve HV-300A from Sheet I-2.2.

**QUESTION #20:** Drawing C-1.4 a notation on the drain 12” drain pipe for the 10 MG tank states that a butterfly valve is required. This valve is not depicted on instrumentation drawing I-2.2 or is this valve HV-300A?

**RESPONSE #20:** 12” butterfly valve depicted on Sheet C-1.4 is HV-300A. Drain line is not depicted on Sheet I-2.2.

**QUESTION #21:** Drawing I-3.1 depicts seven air release valves. We require sizes for these valves. The pricing varies with size.

**RESPONSE #21:** The valves at the discharge of the high service pumps are 4” air release valves with appropriate valves and appurtenances for the connection. The valve at the end of the metering assembly is a 1” air release valve.

**QUESTION #22:** For the efficiency requirements given... is that for the bowl efficiency or for the pump efficiency?

**RESPONSE #22:** Referenced efficiency is the pump efficiency.

**QUESTION #23:** Will stainless steel impellers be accepted in place of the silicone bronze impellers?

**RESPONSE #23:** Stainless steel impellers are allowed.

**QUESTION #24:** Does there need to be a lateral and torsional analysis run for the VFDs? Will tests require no critical speeds within the operating range of pump or will these be blocked out of critical frequency? This was not in the spec.

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**RESPONSE #24:** Yes, lateral and torsional analyses are required to be performed in the field by an independent certified third party. Tests shall be performed at the top of the motor and shall exceed the minimum standards set forth by the Hydraulic Institute. Tests will require no critical speeds within the operating range of pump.

**QUESTION #25:** What will water temperature range from or what will constant water temperature be (this is needed to provide correct seals)?

**RESPONSE #25:** Temperature range shall be from 15°C to 40°C.

**QUESTION #26:** Please see sheet M-4.2 of the drawings. The details are labeled with different pipe sizes than the detail is showing. For instance, the 42" DIP Overflow detail is showing 16" DIP pipe, the 30" shows 20" and the 12" shows 16". Please advise.

**RESPONSE #26:** Remove 16" FL x PE DIP from 42" DIP Overflow and Replace with 42" FLxPE DIP. Remove 20" FL x PE DIP from 30" DIP Inlet and Replace with 30" FLxPE DIP. Remove 16" FL x PE DIP from 12" DIP Outlet and Replace with 12" FLxPE DIP. Remove all references of 12" from 12" Outlet and replace with 42". See amended Sheet M-4.2.

**QUESTION #27:** Please see sheet M-4.2 of the drawings. The detail for the 12" DIP Drain show that the pipe encasement concrete is carried to 102'-6" but the other details show the limits to be 77'-4". This would not even be to the edge of the tank. Please advise.

**RESPONSE #27:** Pipe encasement shall carry to 102'-6" for all details. See amended Sheet M-4.2.

**QUESTION #28:** The specification mentions bypass in the controls section but doesn't call for one in the hardware section, the previous jobs with Manatee County all included bypass. Does Manatee, on this project, require a bypass and if so, are they across the line or reduced voltage starter bypass required?

**RESPONSE #28:** Bypass is not required for this project.

**QUESTION #29:** Specification section 15050 Part 2 includes a pipe chart showing the different pipe materials to be used for RCW piping. The only pipe type included in this chart is Ductile Iron. Specification Section 15063 is for HDPE pipe and Section 15067 is for plastic pipe. Please provide a list of which type of pipe is to be used where. What pipe does section 15063 and 15067 relate to?

**RESPONSE #29:** All pipe 4" or greater on this project shall be DIP in accordance with Section 15050. Section 15063 and Section 15067 are included for informational purposes only for incidental piping not shown.

**QUESTION #30:** Drawing G-0.2 General Note #9 and specification section 01030-8.F Special Project Procedures references bypass pumping. Please identify where bypass pumping is required and provide specification to include information to properly size bypass.

**RESPONSE #30:** Bypass pumping is not anticipated for this project. However, should the Contractor's sequence of construction (means and methods) require bypass pumping or temporary piping, it will be the Contractor's responsibility to provide these at no additional cost to the County.

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**QUESTION #31:** The outlet from the concrete tank (M-4.1) is called out as a 30" line. The yard drawing (C-1.4) calls for a 42" line from the concrete tank to the HSPS. Please confirm which size is correct.

**RESPONSE #31:** The tank outlet is 42".

**QUESTION #32:** Please see specification section 01030, Section 1.04. Part "A" states "Cost for the relocation of all existing lines shall be included in the price bid for the project." Part "D" states "Before any piping and utilities not shown on the drawings are disturbed, the Contractor shall notify the Engineer of the location of the pipeline or utility and shall reroute or relocate the pipeline or utility as directed. Cost for relocation of existing pipelines or utilities shall be included in the price bid for the project." Is it really the County's intent that the Contractor is responsible to cover the costs associated with rerouting or relocating pipelines/utilities not shown on the drawings in their base bid? Can you please further explain the intent of the verbiage of these spec sections? In order to keep the bidding fair and balanced perhaps an allowance for these unforeseen conditions should be added to the bid form?

**RESPONSE #32:** It is not the County's intent for the Contractor to be responsible to cover the costs associated with rerouting or relocating pipelines/utilities not shown on the drawings in their base bid. Please see items #2 and #3 above of this Addendum #1.

**An additional Addendum will be issued in the near future that will address all other questions submitted prior to the deadline for clarifications.**

END OF ADDENDUM #1

Bids will be received at Manatee County Purchasing, 1112 Manatee Avenue West, Bradenton, Florida 34205 until **Wednesday, August 20, 2014 at 3:00 PM.**

Sincerely,

  
Melissa M. Wendel, CPPO  
Purchasing Official