



## SILVER MOUNTAIN PUMP STATION IMPROVEMENTS PROJECT

Solicitation Number: CO-00405

Job No.: 19-6008

### ADDENDUM 2

February 12, 2021

To Bidder of Record:

This addendum, applicable to work referenced above, is an amendment to the bid proposal, plans and specifications and as such will be a part of and included in the Contract Documents. Acknowledge receipt of this addendum by entering the Addendum number and issue date on the space provided in submitted copies of the bid proposal.

<b>RESPONSES TO QUESTIONS</b>
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**1. Question: Is SAWS supplying any equipment: i.e. generator, antenna?**

*Response: SAWS will not be providing any equipment. The contractor will be required to provide all equipment as described in the Contract Documents.*

**2. Question: Can you clarify what will mean the tank is operational?**

*Response: The tank will be considered operational when all tank walkthroughs have occurred, the tank has been disinfected and ready to be in service.*

**3. Question: I am emailing to request your acceptance of Taylor Power Systems as an approved generator supplier for the Silver Mountain Pump Station Improvement Project.**

*Response: No additional manufacturers or suppliers will be approved during the bid phase if not already an approved manufacturer by SAWS.*

**4. Question: I would like to petition engineering to approve PACO pumps as an approved pump manufacturer for section 11210 Close Coupled Centrifugal Pump Booster System, and also approve ISS, Industrial Service Solutions, as an approved skid supplier. We would design (as built) CAD drawings of the pump skid as specified using PACO pumps.**

*Response: No additional manufacturers or suppliers will be approved during the bid phase if not already an approved manufacturer by SAWS.*

**5. Question: Sheet S1 Note 4 says to refer to Geo-tech Report for foundation fill/compaction requirements. I find no such information in the report. Please provide.**

*Response: Note 4 has been revised as part of this addendum. Refer to Changes to the Plans Item 2.*

**6. Question: The existing well piping to be cut 5' below grade. Is this well Artesian?**

*Response: No, the existing well is not Artesian. It was plugged and capped as part of a previous project.*

7. **Question:** On page #465 of the spec it gives a list of generator manufacturers. We are under the impression that this is just a list of possible manufacturers. Can we confidently give a quote to contractors that bid on this project and know that they can use our equipment? The spec given of the generator we are planning on using clearly shows that it meets all specifications that are required.

*Response: No additional manufacturers or suppliers will be approved during the bid phase if not already an approved manufacturer by SAWS.*

8. **Question:** Section 17550 – Security System, Part 1.03 – A. mentions pre-approved security contractor. Is there a preferred SAWS contractor list that we could have to contact pre-approved security contractors for the bid package?

*Response: The SAWS pre-approved security contractors are Alterman and Datacomm.*

9. **Question:** Section 15091 specifies resilient wedge gate valves. Is Section 15091 applicable for the packaged pump station? Section 11210-1 (PG 1), 1.01.A, 1.01.B., and (11210-10, PG 10) 2.3.A specifies butterfly valves and Sheet C7 items #7 and #8 also specify butterfly valves.

*Response: Gate valves will be used on the buried station piping. Butterfly valves will only be used on the pump station.*

10. **Question:** Section 11210-10 (PG 10), 2.3 specifies the butterfly valves and does not specifically require "lug" butterfly valves. Sheet C7 (drawing) shows lug butterfly valves. Please define which type of butterfly valves are required? Please define the requirements for the isolation valves for the packaged pump station.

*Response: Refer to Section 11210.2.3 for butterfly valve make and model requirements. Butterfly valves shall be flanged.*

11. **Question:** Section 11210-9 (PG 9), 2.0.O and 2.0.P specify block-outs in the skid and rigid aluminum conduit from the motor disconnects to the motors. Please define the requirements for these disconnects as they are not shown on Sheet C7. Are these to be junction boxes or disconnects? Additionally, are there to be five (5) junction boxes/disconnects required in total (one for each motor and 1 for the low voltage and sensors)? Sheet E6 does not specify disconnects between each motor and the pump control panel.

*Response: Disconnects are not required. Junction boxes shall be provided by the electrical contractor. Remove the first sentence of 2.O.P. Refer to Changes to the Specifications Items 2 and 3.*

12. **Question:** Sheet C7 shows the air compressor to be mounted on the packaged pump station. Sheet E6 shows a 30 Amp disconnect for the air compressor. Sheet E5 and Sheet E5, note 4 specifies the rack for the air compressor controls. Is the 30 Amp disconnect to be mounted on top of skid with blockout for air lines and electrical conduit to go to the air compressor control panel and hydropneumatic tank?

*Response: Yes. Refer to Changes to the Plans Item 3.*

13. **Question:** Sheet E6, note 1 specifies all disconnects and breaker enclosures to be NEMA 4X, Aluminum. Whereas, Section 16050, 2.02.C. specifies NEMA 4X 316 Stainless Steel junction and pull boxes. Please define the requirements for the junction and pull box enclosures for the packaged pump system.

*Response: Refer to Changes to the Specifications Item 4.*

14. **Question:** Section 11210-5 (PG 5) item #20 specifies a complete memory map of the RTU. Item #20 also specifies operational sequence, alarm sequence, SCADA interface, etc. Section 11210-6 (PG 6) item C.6 also specifies RTU information. The pump control panel and SCADA should be by others as specified in Division 16 and 17. Please confirm.

*Response: Yes, the pump control panel and SCADA panel are specified in Divisions 16 & 17. They are not intended to be provided by the pump manufacturer.*

15. **Question:** Section 11210-6 (PG 6) item C.1. specifies "Certified copies of all witnessed tests on the pumps." However, "witnessed" testing is not specified on the pumps. Please define if witnessed or non-witnessed pump testing is required.

*Response: Non-witnessed pump testing shall be required. Refer to Changes to the Specifications Item 1.*

#### CHANGES TO THE SPECIFICATIONS

1. Specification Section 11210-1.03.C.1  
REVISE and REPLACE "Certified copies of all witnessed tests on the pumps" with the following:
  - a. "Certified copies of all non-witnessed factory tests on the pumps."
  
2. Specification Section 11210-2.0.O  
REVISE and REPLACE "Vendor shall provide block-outs in the skid beneath the disconnect for contractor connection. Vendor shall provide all wiring for flow meter, transducers, and pressure transmitters required for the operation of the pump station" with the following:
  - a. "Vendor shall provide all wiring for flow meter, transducers, and pressure transmitters required for the operation of the pump station."
  
3. Specification Section 11210-2.0.P  
REVISE and REPLACE "Vendor shall provide rigid aluminum conduit from the motor disconnects to the motors only. All of the station wiring and conduit shall be completed by Contractor and penetrated through the blockouts provided by vendor." with the following:
  - a. "All of the station wiring and conduit shall be completed by Contractor and penetrated through the blockouts provided by vendor."
  
4. Specification Section 16050-2.02.C  
REVISE and REPLACE "C. Stainless Steel Box: NEMA 250, Type 4X. 1. Box: 16-gauge, Type 316 aluminum, with white enamel painted interior mounting panel, and 10-gauge stainless steel flanges" with the following:
  - a. "C. Aluminum Box: NEMA 250, Type 4X. 1. Box: 16-gauge, aluminum, with white enamel painted interior mountain panel, and 10-gauge aluminum flanges."

#### CHANGES TO THE PLANS

1. Sheet C2- General Notes (Sheet 1 of 2)- REVISE and REPLACE Note 70 with the following:
  - a. "Contractor shall obtain a stormwater pollution prevention permit for the Silver Mountain Pump Station site in accordance with the special conditions and Specification 02270, at his expense."

2. Sheet S1 – Structural General Notes – REVISE and REPLACE Note 4 with the following
  - a. “Strip all vegetation, roots, and objectionable materials from the foundation area and 5’ beyond each side. Remove 2’ of existing soil, proof roll, and compact the subgrade to 95% of the standard proctor maximum dry density and -1 to +3 percentage points of the optimum moisture content. The subgrade prep should be approved by the geotechnical engineer/inspector. Backfill the excavated area with structural fill (see below) to the required grade elevation in 8” loose lifts compacted to 98% of the maximum dry density as determined by the modified proctor (ASTM D1557). Moisture content shall be maintained within 2 percentage points of the optimum moisture content. The upper 6” of backfill adjacent to the slabs should be constructed in accordance with the “Gravel Ground Surface” detail shown on Civil sheet C14. Structural fill should consist of imported crushed limestone base meeting the requirements of TxDOT Specification Item 247, Type A, Grade 1-2. The geotechnical engineer/Inspector shall approve the Structural Fill material. In-place Density tests should be performed on each lift of structural fill and any areas not meeting the required compaction should be recompacted and retested until compliance is met.”
  
3. Sheet E6- Electrical One-Line Diagram- ADD the following language:
  - a. Note 16 “Air compressor disconnect switch shall be mounted on Pump Skid adjacent to Air Compressor”

<b>CLARIFICATIONS</b>
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None.

<b>END OF ADDENDUM</b>
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This Addendum is four (4) pages in its entirety.

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