

## ADDENDUM NO. 3

Date: 25 October 2010

**San Antonio Water System**

Project Name: **LIFT STATIONS REHABILITATION – PHASE 2**

Project No.: **06-2503**

Solicitation No.: **B-10-048-DD**

This addendum, applicable to work referenced above, is an amendment to the bidding documents 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 in the space provided in submitted copies of the proposal.

### **A. Bidding and Contract Requirement Revisions:**

**Item 1: Specification Section 01010, Summary of Work**

- a) DELETE Article 1.02. B. 3. A. 8) and REPLACE with the following:  
"8) 90° flange bend."

**Item 2: Specification Section 09917, Structural Lining-Corrosion Protection for Underground Concrete Structures**

- a) ADD the following to Article 3.01:  
"D. Contractor shall perform hydrostatic testing of wet well after coating of wet well per methods described in Section 850.4.1 of SAWS Standard Specification for Construction Item No. 850, Sanitary Sewer Structures."

**Item 3: Specification Section 16010, Electrical General Information**

- a) Clarification: Regarding Article 2.02. B.1. & 2. and Detail C of Plan sheet E-5, hot dip galvanized structural shapes are acceptable for the canopies of the Electrical Rack.

**Item 4: Specification Section 16402, Electrical Service**

- a) DELETE Article 1.07. A. and REPLACE with the following (note that changed item is indicated with underlining):

"A. The Contractor shall include in the total bid amount an allowance of \$100,000.00 for payment of all charges made by CPS Energy in connection with providing power to each of the lift stations as described below and as otherwise shown on the drawings. This shall include, but not be limited to the following:

1. Conversion of the service from single phase to three phase.
2. Conversion of the service from 120/240 V, 3 phase, 4 wire to 277/480 V, 3 phase, 4 wire.
3. Conversion of the service from above ground to underground."

### **B. Drawing Revisions:**

**Item 1: LS# 206: One Line Diagram (E-206-2 / sheet 104 of 246)**

- a) Clarification: The 2P-200A fuses shown for the proposed "MDS" shall be replaced with 2P-100A fuses.

**Item 2: Control Panel Details (E-192-8 / sheet 095 of 246, E-223-8 / sheet 141 of 246, E-6-S / sheet 217 of 246, E-12 / sheet 232 of 246)**

- a) Clarification: Phoenix Contact Surge Protection shall be 56 03 03 0, and not 28 56 81 2 as is currently shown in the "SCADA Panel Material" table.

**C. Questions Received During Q&A Period:**

Please note the following questions were received prior to the deadline of 4:00 PM on October 18, and that many of the questions have been previously addressed in Addendum No. 1 and Addendum No. 2.

Note that Q1 to Q15 were included in Addendum No. 1.

Note that Q16 to Q65 were included in Addendum No. 2

**Clarification:** For Q32 in Addendum No. 2, delete the Addendum No. 2 response and replace with the following response:

*"Yes, except LS #192 shall remain same as currently shown, due to it is existing and in the floodplain. For LS # 223 and LS #238, provide Hoffman NEMA 4X 316 Stainless Steel 62" x 48" x 12" free standing enclosure and combine both the control panel and soft starters into one enclosure, in lieu of 2 separate enclosures as currently specified and shown on drawings. For LS #238, locate combined Soft Start-PCP enclosure in same location as existing autodialer and PCP cabinets; re-direct respective conduits to this combined location. This may similarly apply to plan sheets E-223-1, E-223-3, E-223-4, E-238-1 & E-238-4. Note, Addendum No. 2 also addresses Q32 – see Item 3 and Item 4, B. Drawing Revisions for more details."*

**Q66: Please provide peak bypass flow requirements at each lift station.**

*Refer to attached table for approximate flow rates (gpm) for existing pumps.*

**Q67: Will contractor be allowed to utilize the existing power and equipment at the various Lift Station (LS) sites for facilitation/operation of bypass pumping?**

*Please refer to response to Q56 in Addendum No. 2.*

**Q68: Will retainage be released or substantially reduced (2% or less) upon final acceptance of each LS, or do you plan to hold retainage for the whole project for the two years of contract time? Cash flow is a concern for all contractors, especially since SAWS is receiving beneficial use of the LS's once they are individually accepted.**

*SAWS is agreeable with a partial release of retainage for each group of lift stations under the following stipulations:*

- 1) Substantial completion for each group of lift stations is attained; and*
- 2) the Contractor's Surety company must agree with the partial release of retainage.*

**Q69: Is there a 2 year warranty period required after final acceptance for the whole project?**

*Please refer to response to Q50 in Addendum No. 2.*

**Q70: When individual LS receives final acceptance, will our warranty period start for that LS?**

*Please refer to response to Q50 in Addendum No. 2.*

**Q71: Is there a maintenance bond required for this contract? If so, how many years?**

*Please refer to Article III, Contract Documents & Bonds of the General Conditions for any bonding requirements.*

**Q72: Will the warranty and maintenance bond go into effect upon final acceptance of each individual LS?**

*Please refer to response to Q50 in addendum No. 2.*

**Q73: Does power have to be setup in contractors name on the sites that are getting new electrical service if we don't plan on utilizing that power until we turn it over to the owner? It is confusing for both the contractor and SAWS to have these accounts set up in the contractors names for 1 or 2 months only to turn them right back over to the owner with no substantial use of electricity by the contractor. Any electricity that is used will be paid to pump SAWS' Sewer, this drives up the cost of construction. If the account has to be setup in the contractor's name, when does SAWS take over the account and pay for utility usage?**

*Please refer to response to Q53 in Addendum No. 2.*

**Q74: Several sites currently have insulation surrounding the aboveground DIP and Valves. Is pipe insulation going to be required in this contract?**

*Please refer to response to Q57 in Addendum No. 2.*

**Q75: Are Wet Well coatings required on the bottom slab? Typically the wall coatings stop about a foot above the bottom slab.**

*Yes. Wetwell walls, Top and bottom slabs shall be coated.*

**Q76: What testing will be required for the new Wet Well coatings? Spark Testing, hydrostatic etc.?**

*Hydrostatic testing will be required for wet well coating.*

**Q77: How many project signs will be required? One per site, or do we only need signs on the sites we are actively constructing?**

*Please refer to response to Q49 in Addendum No. 2.*

**Q78: Will SAWS pickup and deliver salvaged material back to their facilities, or will it be the contractor's responsibility? If it is the contractor's responsibility, what address will this material be delivered to?**

*SAWS will pickup and deliver the salvaged material back to their facilities.*

**Q79: Will contractor be allowed to test the new pumps and controls in grey water?**

*Grey water is an acceptable means of testing the new pumps at the job sites. However, fresh water would be the preferred method.*

**Q80: Will contractor, owner or engineer need to pull 38 individual LS permits, or will there be one permit issued for the whole project? Who pays for the permit, and what will be the rough cost estimate? What permits do you anticipate will need to be pulled for this contract? City, County, SAWS, etc.?**

*The Contractor will be required to pull individual permits from the City of San Antonio for each of the lift stations located within the city limits. One permit will not be issued for the project as a whole. The Contractor will be responsible for the payment of each permit. SAWS will reimburse the Contractor upon submitting the evidence in the form of receipts from the City of San Antonio. The anticipated permitting cost is approximately \$50,000. It is anticipated Building and Floodplain permits will be required from the City of San Antonio, and a SAWS permit for those lift stations receiving new water service. There will be no permit fees associated with any required SAWS permits. Please refer to the Special Conditions Item 7 on Page SC-2 for additional permitting information.*

**Q81: Does SAWS have a large area at one of their WWTP sites etc that we may be able to use for a laydown area for storage containers, equipment, pipe, etc, if so, what address would that site be?**

*Please refer to response to Q59 in Addendum No. 2. SAWS' Dos Rios WRC or Leon Creek WRC may be used. The exact location of the lay-down area within the WRC must be approved by SAWS and coordinated with the SAWS inspector.*

**Q82: What is the purpose of adding three phase monitors to every automatic and manual transfer switch? One phase monitor on the load side of the switch will do everything.**

*With these three monitors, a failure to transfer and the state of the switch/power source may be determined remotely from the site. These three PFR contacts are fed directly off the UPS. Bidders shall Bid three monitors as shown.*

**Q83: What Traffic Control Plan (TCP) will be required at each site? There are several standard plans shown in the drawings. Please clarify which sites will require TCP, if any.**

*Please refer to response to Q55 in Addendum No. 2.*

**Q84: Are there any approved or equal manufacturers (Pumps, Generators, SCADA, Coatings, etc ...) acceptable other than the specific named manufacturers in the specifications? Does SAWS have an approved manufacturer list that supersedes these contract specifications? If there is an added manufacturer, will SAWS notify all bidders via addendum?**

*Please refer to response to Q7 in Addendum No. 1.*

**Q85: If the Lift Station Rehab - Phase I (20 LS Rehabs) is still being constructed, and that project was bid in October of 2007 (3yrs ago), Can the contract construction time be extended on this project?**

*The contract construction time will not be extended on this project.*

**Q86: Please consider a bid item allowance for testing.**

*Please refer to response to Q51 in Addendum No. 2.*

**Q87: Please provide a LF Bid Item for crack repairs to the Wet Well walls. There is no way for the contractor or SAWS to know these quantities until each LS is taken offline and dewatered, This way, SAWS only pays for cracks in the Wet Well that need to be repaired. Otherwise, all parties are just guessing.**

*Please refer to response to Q52 in Addendum No. 2.*

**Q88: Per Scope of Work 3, a, 8, Please clarify where clean out tees with caps are to be located.**

*Clean-out Tees with caps are required on Suction line for self-priming pumps as indicated on the Plan Drawings.*

**Q89: Please specify what would be an approved equal to Link Seal, since it can't be used in several of the locations specified.**

*Please refer to response to Q18 in addendum No.2.*

**Q90: Please provide a Make / Model of 9" disk lock that SAWS will require.**

*A make and model cannot be provided. Please refer to Detail 6 on sheet D-6 (198 of 246) of the Plan Drawings for additional requirements. Disks shall be hot dipped galvanized after fabrication.*

**Q91: Which specific sites are within the 100-year floodplain? What are typical construction requirements for the lift stations that are currently in the 100-year floodplain? (Elevated Vent Piping, water tight or waterproof hatch covers (there is a difference), Elevated Electrical Service Racks, Control Panels, etc.. Will the concrete pads under the service racks in these situations be built on top of a mound of dirt etc...?**

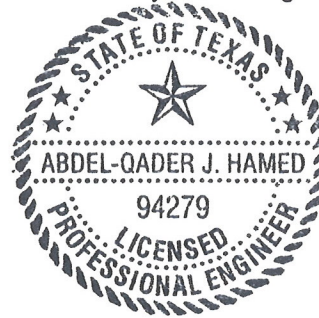
*LS# 004 Lubbock, LS# 180 Southton Road and LS# 192 Mission Del Lago are within the 100-year floodplain. Please refer to the Specifications and Plan Drawings of the Contract Documents for special requirements for these lift stations.*

**Q92: I am inquiring about the 38 Lift Station Project that is coming up for bid. I am wanting to know what coating products are spec'd into the project. I am with the A. W. Chesterton company and I would like to know if my company has any products listed on the specifications or if we will be allowed to install an equal product to the one specified.**

*SAWS could accept an "or equal" coating product as long as it meets the requirements of the Technical Specifications and Plan Drawings of the Contract Documents for this project, and also has been approved by SAWS' Standards Committee. In addition, the Contractor who is awarded the project must submit on a product that provides adequate proof and information/justification to SAWS/Owner and the Engineer that it is an equal to that specified.*

This Addendum, including these 5 pages, is 6 pages with attachment in its entirety.

Each bidder is requested to acknowledge receipt of this Addendum No. 3 by his/her signature affixed hereto and to file same with and attached to his/her bid.



*Abdel-Qader Hamed 10/25/2010*

Approved by ENGINEER  
WESTON SOLUTIONS, INC., TEXAS REGISTERED ENGINEERING FIRM F-3123

The undersigned acknowledges receipt of this Addendum No. 3 and the bid submitted herewith is in accordance with the information and stipulations set forth.

\_\_\_\_\_ Date

\_\_\_\_\_ Signature of Bidder

**END OF ADDENDUM**

**Attachment A**

**Table of Existing Pumps and Approximate Rated Capacity**

<b>Lift Station Number</b>	<b>Lift Station Name</b>	<b>Existing Pumps*</b>	<b>Approximate Rated Capacity*</b>
LS# 004	Lubbock	2 - 3" Hydromatic pumps	200 GPM
LS# 016	Prestwick	2 - 6" Hydromatic pumps	800 GPM
LS# 023	Goldfield	2 - 4" Hydromatic pumps	400 GPM
LS# 035	Valle Vista	2 - 3" Hydromatic pumps	200 GPM
LS# 057	Chavaneaux East	2 - 4" Hydromatic pumps	450 GPM
LS# 061	Rittiman East	2 - 4" submersible pumps	350 GPM
LS# 074	Commercial & Chavaneaux	2 - 4" Hydromatic pumps	450 GPM
LS# 148	Indian Hills	2 - 3" Hydromatic pumps	200 GPM
LS# 156	Foster Meadows	2 - 6" Hydromatic pumps	500 GPM
LS# 162	Corner Stone	2 - 6" Hydromatic pumps	575 GPM
LS# 164	Lincoln Heights Park	2 - 2" submersible pumps	70 GPM
LS# 165	Encino Park	2 - 4" submersible pumps	465 GPM
LS# 170	Police Academy	2 - 4" Hydromatic pumps	225 GPM
LS# 172	Acequia Park	5 - 8" Worthington Vertical Centrifugal pumps	21,500 GPM
LS# 175	Cedar Creek	2 - 4" Hydromatic pumps	218 GPM
LS# 178	Golden Aluminum	2 - 4" Hydromatic pumps	375 GPM
LS# 179	Streich Road	2 - 4" Hydromatic pumps	300 GPM
LS# 180	Southton Road	2 - 4" Hydromatic pumps	300 GPM
LS# 192	Mission Del Lago	1 - 6" Hydromatic pumps	800 GPM
LS# 203	Mission Foundation	2 - 4" Hydromatic pumps	275 GPM
LS# 206	La Sierra	2 - 3" Hydromatic pumps	100 GPM
LS# 208	Brighton Oaks	2 - 4" Hydromatic pumps	285 GPM
LS# 209	Vineyard	2 - 4" Hydromatic pumps	264 GPM
LS# 218	Hollyhock	2 - 3" Hydromatic pumps	175 GPM
LS# 220	S. Presa	2 - 4" Hydromatic pumps	300 GPM
LS# 221	Heritage Elementary School	4 - 3" Hydromatic pumps	925 GPM
LS# 222	Mission Trails #1	2 - 4" Hydromatic pumps	250 GPM
LS# 223	Mission Trails #2	2 - 3" Hydromatic pumps	175 GPM
LS# 226	Marshall Road	2 - 3" Hydromatic pumps	200 GPM
LS# 230	Nickel and Dime	2 - 4" Hydromatic pumps	300 GPM
LS# 231	Costco	2 - 4" submersible pumps	400 GPM
LS# 233	Iron Horse	2 - 4" submersible pumps	Not available
LS# 234	Octavia	2 - 4" Hydromatic pumps	Not available
LS# 236	Fox Grove	2 - 4" submersible pumps	Not available
LS# 238	Freedom Elementary School	2 - 8" Hydromatic pumps	830 GPM
LS# 240	Ravenia	2 - 3" Hydromatic pumps	150 GPM
LS# 248	38th Street	2 - 8" Flygt submersible pumps	2100 GPM
LS# 249	Cibolo Canyon	4 - 6" Flygt submersible pumps	Not available

\*Please note that existing pumps may have been replaced with different brand/model of pumps by SAWS operation and maintenance personnel. Listed rated capacities are approximate. Contractor shall be responsible for confirming brand/model in operation and rated capacity at each lift station, as required for bypassing lift station.