VILLAGE OF SALADO, TEXAS

0.200 MGD WASTEWATER TREATMENT PLANT

ADDENDUM NO. 1

November 1, 2017

The construction plans and specifications for the Village of Salado, 0.200 MGD Wastewater Treatment Plant project, on which submittals are to be received until 3:00 P.M. on Tuesday, November 14, 2017 are hereby modified as follows:

I. GENERAL/CONTRACT DOCUMENTS

1. Attached is the sign-in Sheet of the **Mandatory** Pre-bid Conference held at the Village of Salado Municipal Building on Thursday, October 26, 2017 at 2:00 PM.
2. Attached is the Agenda from the **Mandatory** Pre-Bid Conference.
3. Refer to the Bid Form of the Contract Documents. Replace entire Bid Form with pages marked "Revised 10/31/17, Addendum No. 1" in the footer on the lower right side of each page.
   a. Bit Item 1 for Mobilization, Bonds & Insurance, not to exceed 5% of Base Bid has been removed. The successful bidder shall provide this in their breakdown cost prior to construction. The breakdown for Mobilization, Bonds & Insurance shall not exceed 5%.
   b. Bid Items 3 and 4 related to the Storm Water Pollution Prevention Plan have been removed. Bidders shall include their costs for Submission to TCEQ and Implementing, Installing, Maintaining and Removing Erosion Control Measures in the Lump Sum Bid Item for Constructing the 0.200 MGD WWTP as provided for under Bid Item 1 of the revised Bid Form.
   c. The revised Bid Form includes the addition of Bid Item 7 for Extra Structural Select Fill not called for on the Plans or Specified but ordered in writing by the Owner. A 12" thick layer of Select Fill will be required under all Concrete Pads, Slabs and Structures including Concrete Pads for electrical panels and the generator. The influent lift station will not require a 12" thick layer of select fill. Select fill shall extend one foot beyond the perimeter of all Concrete Pads, Slabs and Structural Footings. Any extra select fill required beyond the 12" layer specified will be paid for under Bid Item 7 of the revised Bid Form.
   d. The revised Bid Form includes the addition of Bid Item 8 for furnishing the Sludge Dewatering Container Filters on a per each basis. The Owner reserves the right to award 1 or 2 Container Filters (Trailers) as noted on sheet M-11 of the Plans.
   e. Item 6A, 6B and 6C of the Bid Form originally on page 6 related to questions about resident and non-resident bidders has been removed and the remaining items have been renumbered accordingly.
   f. A line item has been added below the Bid Summary on page 4 for Bidders to state their preliminary estimate of time in calendar days to substantially complete the

project at the request of the Owner. This preliminary estimate of will not be binding to the awarded construction contract.

4. Liquidated Damages for this project shall be $500 per day as stated under Special Condition SC.21. The Notice to Proceed form shall be modified to reflect $250 per day when issued.
5. Geotechnical Investigation Report (dated June 9, 2016) has been posted on CIVCAST. The Owner is providing this for informational purposes only and will not consider claims arising from "differing site conditions."
6. The physical address for the WWTP Site is:

   1401 Sheppard Drive
   Village of Salado, TX 76571

7. Statements of Bidder's Qualifications will be requested by the Owner from the successful low bidder prior to award and will not be required with Bid Documents. After bids are received the apparent low bidder shall submit qualifications in accordance with Section SC.13 - Qualifications of Low Bidder of the Special Conditions. No forms will be provided.
8. The following documents shall be submitted with bids:
   a. Bid Form w/ Bidder's Preliminary Estimated Calendar Days to Substantial Completion. The bidder's preliminary estimated calendar days to substantial completion will not be binding to the awarded construction contract.
   b. Bid Bond (or other form of bid guarantee).
   c. Certificate as to Corporate Principal.
9. Retainage for monthly partial payment request from the Contractor will be 5% as stated under Special Condition SC.32 for this project. The retainage listed in Section G under the Special Project Information to Bidders/Contractors shall be modified to 5%.

II. PLAN SHEETS (GENERAL, MECHANICAL AND STRUCTURAL)

1. There are a total of 75 Structural Sheets. The total includes S1 thru S70 plus sheets S31.1, S31.2 and S32.1 thru S32.3.
2. Refer to Sheet M-01 for the Influent Lift Station.
   a. The restrained expansion joint (fitting EE) shown prior to the 4" and 8" discharge lines going below ground shall be removed and change pipe (L) and (Z) to plain end pipes with flange coupler adapters (FCA). The FCAs shall be mega lug flange model 2100 as manufactured by EBAA Iron or approved equal.
   b. The pipe supports labeled (DD) for the 4" and two 8" header pipes shall be Fig No. 101 adjustable pipe supports with a steel saddle and Fig No. 138 threaded pipe base as manufactured by Carpenter & Patterson, Inc. 781-935-2950 or approved equal. Pipe support and base shall be hot dipped galvanized steel.
   c. Refer to Section A-A on Sheet M-01. Contractor shall furnish and install a 6"x 8" reducing bend (elbow), 8" flanged riser pipe, 8" flanged wall pipe and guide rails for Future Pump P-4. The 8" flanged wall pipe shall extend 9" from the top of the lift

station deck and shall be capped with a blind flange. The riser pipe for Future Pump P-4 shall also be secured to the pipe support shown in Section A-A.

d. Attached are revised Sheets S-15 and S-16. Details for the riser pipe supports (2 each) have been added to these revised sheets. The stainless steel clamps originally specified in the note on Sheet M-01, Section A-A for securing the riser pipes to the support shown on revised Sheets S-15 and S-16 have been changed to ½" diameter HDG U-Bolts.

e. The Contractor may substitute the built-in place concrete Influent Lift Station as shown on Sheets M-01, S-15 and S-16 with precast polymer concrete sections that comply with the wet well interior dimensions and elevations. Precast Polymer Concrete wet well sections shall be as manufactured by US Composite Pipe, Armorock or approved equal. **If the Contractor elects to construct a precast polymer concrete wet well the interior coating specified in Note 2 on sheet M-01 will not be required**. If the Contractor elects to construct a precast polymer concrete wet well the shop drawing submittal shall be sealed by an Engineer licensed/registered in the State of Texas.

3. Refer to Sheet G-06, Note 5 for Manhole 3. The openings and boots for the 15" and two 8" lines will be provided by others.

4. Refer to sheets M-03 and S-22. Sheet M-03 incorrectly calls for HDG Grating over the headworks structure. Sheet S-22 correctly calls for FRP Grating above the influent screening channels. The only area that will have FRP Grating will be the area directly above the wastewater surfaces. All other grating on this project shall be HDG.

5. Refer to Sheet S-28. The note in the lower right-hand corner which reads "Re: Civil/MEP Drawings for Required Surface Coatings" shall be deleted. No surface coating of the concrete slab will be required.

6. Refer to Sheet G-10. A revised Sheet G-10 is attached. This revised Sheet includes the addition of silt fence and rock berm for the Contractors use in submitting a SWPPP to TCEQ. As previously mentioned, all cost associated with submitting an SWPPP, implementing, installing and removing erosion control measures shall be included in the lump sum bid item for constructing the 0.200 MGD WWTP. No separate payment will be made for the SWPPP and Erosion Control Measures.

III. TECHNICAL SPECIFICATIONS (GENERAL & MECHANICAL RELATED)

1. Refer to Technical Specification Section G3 – Ductile Iron Pipe and Fittings.

   a. Flange bolts and nuts shall be carbon steel.

   b. Compact fittings in accordance with AWWA C153 will be allowed.

   c. The interior surface of all ductile iron pipe and fittings shall be lined with Protecto 401 ceramic epoxy lined or preapproved equal with a minimum thickness of 40 mil. Coatings shall be applied in accordance with AWWA C104 and the Painting Specifications. A shop applied bituminous coating for underground installation, or a field or shop coating of primer for above ground installation shall be applied on the exterior surface of ductile iron pipe.

2. All above ground plant water and polymer lines shall be thermally insulated. Thermal insulation shall be applied, sealed and weatherproofed in accordance with the Manufacturer's instructions. Insulation for pipe shall be of a pre-formed, rigid, closed – cell urethane as manufactured by Armstrong Cork Company or approved equal with an aluminum jacket. The insulation shall have the following typical properties:

Nominal Density (ASTM D-1622)	2.0 lbs./cf
Closed Cell content (ASTM D-1940)	90% by volume min.
K Factor (ASTM C-177)	0.14 BTU – inches/sf-hr F

3. Refer to Technical Specification Section M5-Chlorination Feed System.
   a. Capital Controls is an approved equal manufacturer subject to meeting the specification requirements. JCS Industries Inc. is NOT an approved equal manufacturer.
   b. Under Section M5.03 D.1. Remove "A 5-inch rotameter frame minimum" and replace with "A 10-inch rotameter frame minimum"
   c. Under Section M5.03 F Add "A differential regulating valve shall be provided to maintain a constant vacuum across the V-notch orifice. Sonic gas regulation is not acceptable.
   d. Remove and replace Section M5.03G with "Each chlorinator shall be an Evoqua/Wallace & Tiernan V10K wall mounted chlorine gas feed system with a maximum capacity of 500 PPD and size to feed 50 PPD."
4. Refer to Technical Specification Section G8 - Site Clearing and Grubbing, Finish Grading and Grass Planting.
   a. The Contractor shall perform Site Clearing as required for construction of the Proposed 6" Potable Water Line shown on Sheet G-06.
   b. The Contractor shall clear trees and/or tree canopies as required to allow delivery of large equipment along the plant entrance road beginning at Sheppard Drive and to the WWTP Site. Any damage caused by heavy truck loads to the existing CMP culvert pipe beneath the entrance road near Sheppard Drive shall be repaired by the Contractor at no expense to the Owner.
   c. Contractor shall relocate the debris (plastic pipe, bricks, old truck and miscellaneous items) observed during the Pre-bid site visit at the WWTP Site to an area outside the WWTP Proposed Fencing and flood prone areas prior to beginning clearing for construction.
   d. Burning of trees and vegetation cleared on this project will not be allowed.
5. Refer to Technical Specification Section G5- Painting. Section G5.07 – Painting of Existing Equipment shall be deleted. There is no existing equipment to be painted on this project. Relabel Sections G5.08 and G5.09 to G5.07 and G5.08 respectfully.
6. Refer to Technical Specification Section M1-Submersible Influent Lift Station Pumps. Pumps manufactured by Flowserve and Flygt are considered an approved equal, subject to meeting the specification requirements. Pumps shall not exceed the maximum horsepower specified.

IV. SPECIFICATIONS (ELECTRICAL RELATED)

1. Reference Technical Specification M2 – Influent Lift Station Pump Control System Section 2.16. Insert the following paragraph "M" after paragraph "L" that reads:
   a. "Map all analog input & output values, discrete input & output bits, and any internally generated alarm bits or values into a contiguous register bank that can be read from using Modbus protocol. Submit a listing of all Modbus register assignments."
2. Reference Technical Specification M2 – Influent Lift Station Pump Control System Section 2.16. Relabel previously labeled paragraph "M" to "N".
3. Reference Technical Specification M2 – Influent Lift Station Pump Control System Section 2.22 INSTALLATION GENERAL, Add the following sentences:
   a. Configure data recorder each input and submit settings for review.
   b. Make backup copies of ALL devices requiring configuration or programming, including the Micromod Level Controller and deliver to owner on a thumb drive.
4. Reference Technical Specification EL10 – Instrumentation Section 2.04. Insert the following paragraph "M" after paragraph "L" that reads:
   a. "Map all analog input & output values, discrete input & output bits, and any internally generated alarm bits or values into a contiguous register bank that can be read from using Modbus protocol. Submit a listing of all Modbus register assignments."
5. Reference Technical Specification EL10 – Instrumentation Section 2.04. Relabel previously labeled paragraph "M" to "N".
6. Reference Technical Specification EL10 – Instrumentation Section 3.01. Relabel sentences after letter "E" to "F., G, H".
7. Reference Technical Specification EL10 – Instrumentation Section 3.01. Add the following sentences:
   a. Make backup copies of ALL devices requiring configuration or programming, including the SCADAPack PLC, Maple Systems Touchscreen, Micromod Level Controller, Telog Data Recorder, Catalyst Autodialer & MDS-INET radio configurations and deliver to owner on a thumb drive.
   b. Program the SCADAPack PLC to read image tables from all remote devices being read over the network and radio subsytems. Include the Influent Lift Station Level Controller, Lift Station #1 Level Controller, Lift Station #2 Level Controller, and the local generator controller
   c. Map all alarm points into a contiguous register bank to be read over the radio network by the Catalyst Autodialer. Map all analog values into a contiguous register bank to be read over the network & logged by the Telog Data Logger.
8. Reference Technical Specification EL12 – SCADA Systems is hereby replaced. The revisions have been marked.
9. Reference Technical Specification EL13 – Computer Systems is hereby replaced. The revisions have been marked.

10. Reference Technical Specification EL14 – Generator Section 2.05. Delete "RS232 serial" and replace with "ethernet".

V. PLAN SHEETS (ELECTRICAL RELATED)

1. Plan Sheet EL-2 - Electrical Site Plan is hereby replaced. The revisions have been clouded.
2. Plan Sheet EL-3 – Electrical Site Plan. Add sentence to the end of note 3 that states "Reference Detail 405 for transformer pad detail.
3. Plan Sheet EL-4 – Electrical One Line Diagram is hereby replaced. The revisions have been clouded.
4. Plan Sheet EL-7 – Electrical Schematics III is hereby replaced. The revisions have been clouded.
5. Plan Sheet EL-10 – Electrical Schedules is hereby replaced. The revisions have been clouded.
6. Plan Sheet EL-11 – Electrical Maintenance Building Plan is hereby replaced. The revisions have been clouded.
7. Plan Sheet EL-12 – Electrical Maintenance Building Lighting Plan. Add circuit numbers "L14, L16" next to outdoor A/C unit and "L12" next to indoor A/C units Evaporators No.1 & 2.
8. Plan Sheet EL-14 – Electrical Effluent Filter Pad and Chlorine and Polymer Feed Plans. Detail 03 Polymer Feed Building Plan in Note 3 change "Chlorine" to "Polymer".
9. Plan Sheet EL-16 – Electrical Treatment Unit No.1 is hereby replaced. The revisions have been clouded.
10. Plan Sheet EL-17 – Electrical Headworks Plan. On the electrical plan for the Headworks Unit delete tag 2022.
11. Plan Sheet EL-17 – Electrical Headworks Plan. On Headworks Section 'A-A' Note 4. delete "Sitrans FM (P-11) MAG 5100W"and replace with "per specification".
12. Plan Sheet EL-18 – Electrical Details I. On Detail 110 delete the third sentence in Note 4. and replace with "Provide Remote switches, buttons and speed pot for each sludge pump at control station."
13. Plan Sheets EL-19 –Electrical Details I is hereby replaced. The revisions have been clouded.
14. Plan Sheet EL-21 is hereby replaced. The revisions have been clouded.

VI. PLAN SHEETS (HVAC RELATED)

1. Plan Sheet H-1 – Mechanical Maintenance Building Plan is hereby replaced. The revisions have been clouded.
2. Plan Sheet H-2 – Mechanical HVAC Details is hereby replaced. The revisions have been clouded.

VII. PLAN SHEETS (INSTRUMENTATION RELATED)

1. Plan Sheet I-3 – Instrumentation Influent Lift Station Details. On Detail 107 where transducer is called out delete "SLX220" and add "per specification". On all other call outs delete "SLX2200".
2. Plan Sheet I-3 – Instrumentation Influent Lift Station Details. On Detail 107 delete "RTU" and replace with "Instrument Control Panel".
3. Plan Sheet I-7 – Instrumentation Instrument Control Panel Schematic is hereby replaced. The revisions have been clouded.

VIII. BID SUBMITTAL

1. Bidders shall acknowledge receipt of this Addendum in the space provided in the proposal and on the outer envelope of their bid.

11-1-17

Rick N. Kasberg, P.E. Date
Kasberg, Patrick & Associates, LP
One South Main
Temple, Texas 76501

Add. No. 1, Item I. 2

Village of Salado
0.200 MGD WASTEWATER TREATMENT PLANT
Mandatory Pre-Bid Conference

October 26, 2017
2:00 PM

AGENDA

1. Introductions
2. Bid Opening – Tuesday, November 14, 2017 at 3:00 pm. Municipal Building, 301 N. Stagecoach Road, Salado, Texas, 76571
3. Questions taken by Rick Kasberg, P.E. until noon on Thursday, November 9, 2017
    a. Owner will not be bound by any emails or questions received after cutoff date and time. Engineer will endeavor to publish final addendum by 5:00 pm Friday, November 10th.
4. Schedule for Award – Late November/Early December 2017
5. Notice to Proceed – December 2017
6. Time and Order for Completion – 370 calendar days. Contractor to review project and time for completion and provide input concerning allotted calendar days.
7. Overview/Plans
    a. Erosion Control (Revised Sheet G-10)
    b. Influent Lift Station
        i. Coating of Interior Walls and Ceiling
    c. Headworks
        i. Grating
    d. Treatment Unit
    e. Effluent Filter
    f. Effluent Metering and Aeration
    g. Blowers
    h. Chlorine Feed
        i. Capital Controls approved equal subject to meeting the specification requirements
    i. Sludge Dewatering Pad and Trailers
        i. Revised Bid form will include separate item for trailers on a per each basis
    j. Plant Water Pump Station
    k. Polymer Feed
    l. Sludge Pump Station
    m. Metal Building (Deductive Alternate, refer to sheet G-11)
    n. Plant Water Piping
        i. Pipe insulation for above ground piping (Hose Stations, Headworks and Treatment Unit
    o. Miscelaneous
        i. Flexible Base Surface
        ii. Fencing

iii. Site Clearing
1. Within fenced area plus 15 foot wide strip along outside of fence perimeter
2. As required for Potable Waterline
3. No burning or chipping allowed on site. Must be disposed of off- site due to USFWS Requirements for Threatened Species. (Salamander)

p. Structural
i. Select Fill
q. Electrical
r. Existing Plant Site Entrance Road

8. Coordination with Salado WSC for Meter (Sheet G-07, Notes 1-3)

9. ONCOR Electrical Power Supply to WWTP Site

10. Review of Bid Form
a. Revised Bid Form
b. Add item for Dewatering Trailers
c. Remove Item 1 for Mobilization (to be included in lump sum bid item for WWTP)
d. Remove Items 3 and 4 related to SWPPP (to be included in lump sum bid item for WWTP)
e. Add Bidder's Preliminary Estimated Calendar Days for Completion

11. Bid Submittals
a. Bid Form
b. Bid Schedule
c. Bid Bond (or other form of bid guarantee)
d. Certificate as to Corporate Principal

12. Questions From Bidders

13. Site visit