ADDENDUM NO. 4
TO THE
4S Ranch Water Reclamation Facility UV Disinfection System Replacement Project

January 24, 2019

The following addendum shall be made part of the Contract Documents and the bidder shall acknowledge receipt thereof on Bid Form page 1 of 12. **The deadline for submitting sealed bids has changed to 2:00 p.m. on Thursday, February 14, 2019 at 1966 Olivenhain Road, Encinitas, CA 92024.**

ADDENDUM SECTION 1 – Pre-Bid Questions and Answers

Q: On sheet 68 of 70, what is the piping and rotameter size?

A: Size tee, piping, and rotameter as necessary to accommodate the listed flow range. Reference detail NA042 on sheet 00TN01. It will be necessary to provide a 1" pipe tap or weld-o-let for some sample piping. Provide 1" sample piping for analyzer wet panels, utilize reducer couplings and unions as necessary to facilitate maintenance activities and to connect 1" rotameters or 1 ½" (or larger) pipe "T" bodies to allow the connection of pH/ORP or other amperometric type sensors, per manufacturer's flow requirements.

Q: Where is soils report?

A: See Addendum No. 4 attachment.

Q: Should Section 16050-3.01.A and 16050-3.01.C be interpreted to mean that only electrical subcontractors who attended the pre-walk job walk are eligible for prime contractors to list as subs on this bid?

A: The District has determined that a pre-bid job walk is not mandatory for contractors or subcontractors; however, an optional, additional Pre-Bid site visit has been scheduled for Wednesday January 30th at 10:00 AM at the 4S Water Reclamation Facility (16595 Dove Canyon Rd. San Diego, CA 92127). The District highly recommends that contractors and subcontractors interested in bidding the project visit the site prior to bidding.

Q: Section 17050-1.01.A.4 lists Richard Torres as the Ignition System Integrator. We request that any certified Premier Integrator with Ignition be allowed to bid as the System Integrator.

A: The requirement for Richard Torres as the sole source system integrator is deleted. All system integrators listed for the project must be Premier Licensed Ignition Integrators with a minimum of two (2) similar projects within the last three (3) years.

Q: Does the 20" temporary pipe that runs out through the trees and plants go underground or above ground?

A: The limits of the pipe trench are called out on Drawing 01C01. Any piping outside of the pipe trench may be installed above or below grade at the contractor's discretion. Coordinate layout of the temporary piping with the Owner. Restore existing facilities to original condition per Specification Sections 01500 and 01738.

Q: Please provide location of (E) MCC-7M on Sheet 01DE01 (38 of 70).

A: Reference sheet 01DE01. Existing MCC-7M is adjacent to the Existing PLC-2 (located in the Sludge Thickening/Dewatering Building Electrical Room).

Q: Reference sheet 01E02 (Sheet 42 of 70). Please provide additional installation and support details, including cross sections, for the 24" cable tray and transitions to 9" cable tray in the flues. We have not been provided enough information on the required structural supports for the trays not running perpendicular and adjacent to channel walls.

A: Reference sheet 00TE04, detail EM111, NEC article 392, Nema VE1, and manufacturer's suggested installation procedures.

Q: Reference sheet 01E02, Keynote 8 (Sheet 42 of 70). Please provide additional installation details and transition details for the Vendor Pedestal mounted at top of channel and transitioning to cable tray in the channel.

A: Reference installation details EM104 on sheet 00TE04, EM201 on Sheet 00TE05, and specification section 16050. It is the contractor's responsibility to coordinate installation with the approved vendor shop drawings.

Q: Is NSF 61 needed for this project? Testing is a very lengthy process and very expensive. This is per one of my ready-mix concrete suppliers.

A: Only facilities and systems that are in contact with potable water are required to meet NSF 61 standard. The NSF 61 requirements in Division 03 of the Specifications are not applicable to this project. However, if the Contractor modifies any potable water systems, those modified systems must be in compliance NSF 61 standards.

Q: On drawing 07M01 (Sheet 35 of 70), there is a note on detail B referring to key notes #1 and #3 about modifying the existing aluminum planks. Who is responsible for this work? Will the owner and UV equipment manufacturer take care of this or is the GC responsible.

A: The Contractor is responsible for this work.

Q: What brand of 20" butterfly valve is required for the bypass pumping system? Should it be flanged or mechanical joint? Is a wheel or regular nut required for opening?

A: The selection of the valve manufacturer shall be at the Contractor's discretion. Valves shall meet the specified requirements and be submitted for review per Specification Section 02553.

Q: On sheet 31 of 70 there is a temporary 2-inch Sodium Hypochlorite line shown to run down the concrete area on the side of the Sludge Thickening Dewatering Building. Is that to be placed on top of the concrete or placed below the concrete?

A: See Addendum No. 1, question 6.

Q: Are we applying any kind of finish coating to the UV channel floor or walls? Is there any epoxy injection being done? If so, please provide where and how much.

A: Coat the new concrete per the coating schedule for Specification Section 09960 in Addendum No. 1. The epoxy injection specification is included in the event that the concrete installation is not water tight per the contract requirements, and repairs are needed to seal any cracks.

Q: What are the existing grade elevations at the locations of Temporary Chlorine Tanks 1-10 as shown on 01C01? There does not appear to be sufficient information to determine how much fill material will be required to raise the tanks to meet the hydraulic profile in Dwg 00G008.

A: The approximate existing grade at each tank is the bottom of tank elevation called out on Drawing 00G08. Temporary fill and/or other supports may be required to adjust the bottom elevation of each tank to ensure that the each tank meets the hydraulic profile requirements. No temporary tank shall have a lower bottom elevation than any tank downstream.

Q: Spec Section 10100-1.02.E.1 says "The tank shall be anchored as required by local laws and regulations." Is it expected that the tanks will need to be anchored? Can you refer us to the specific code that the anchor system would need to comply with? The drawings notes directing the contractor to place the tanks on compacted temporary fill over existing asphalt would seem to indicate that the tanks do not need to be anchored.

A: The installation and stability of any temporary tanks are the responsibility of the Contractor and shall meet all applicable health and safety codes.

Q: Is a new equipment slab required to the north of the UV channel as shown in Plan A/Dwg 07S01, which refers to Typ Det S300? The new slab is not shown in Section B/Dwg 07S01 and is shown as existing in Plan A/Dwg 07M01.

A: A new equipment slab is required north of the UV channel. Section B/07S01 does not cut through the slab. All structural work is shown screened back on mechanical drawings.

Q: Please clarify the scope of the new concrete work in the two channel passes that the new UV system will be installed in. Is the entire floor in these two passes to be raised to a new elevation of 606.90, with the existing wall widened and tapered per Plan A/Dwg 07S01 up to elevation 611.65? If this is the intent, at what point does the transition to the new floor elevation occur?

A: The concrete floor shall be raised to elevation 606.90 with the transition beginning at the location where the tapered wall begins on the upstream end of the northern channel. The transition of the floor from the existing elevation to the new elevation shall be a 2'-6" transition, to match the wall taper.

Q: Does coating system EPX-C-6-BSC apply to new concrete in the UV channels? If so, does it also apply to existing concrete channel walls? To what limits would coating of existing concrete be required?

A: New coating shall be limited to the new concrete work in the channels.

Q: Please confirm that new concrete slab under the canopy is considered exterior and does not require coatings per 09960.

A: The new slab under the canopy does not require coating.

Q: 28-day cure of new concrete is required before coating. If the intent is to coat new or existing concrete in the UV channel, is the project duration sufficient?

A: Contractor to follow manufacture recommendations when installing the coating. This includes but not limited to; strength of concrete, moisture of concrete, and pH of concrete. All must be within the manufacturer's recommended ranges.

Q: Is it ok to use double 12-inch HDPE lines in place of one 20-inch HDPE line?

A: Per Specification Section 02553-1.03.F., the means and methods of accomplishing and maintaining the temporary bypass pumping and associated facilities shall be the sole responsibility of the Contractor. The Contractor shall submit a wastewater bypass pumping plan that includes design calculations of the system and selected equipment, including flow, TDH with static head including all friction and minor losses, pump curves showing operating range of flow and TDH at minimum, average, and peak flow, per Specification Section 02553-1.04.B.2.

Q: Please list the sizes of HDPE. Are all of the lines to the tanks 20"? I see DR 11 and DR 26 HDPE both listed?

A: The temporary system is designed with all piping as 20" HDPE. HDPE pipe shall be DR 26 per Section 02553-2.03.A.1. See the previous response for additional information.

Q: Section 01756 indicates we need to perform a series of tests such as a clean water test for 7 calendar days per page 15, paragraph F.5 and a process operation period of 30 calendar days per page 17, paragraph C.2. Will these days and any other tests required in the specifications count towards the completion time of 180 calendar days?

A: Yes, see the next answer for additional information

Q: Section 4.1 "Delivery Schedule" of WEDECO scope of supply per addendum #1 attachment indicates a delivery time of 8 weeks for submittals plus another 18 weeks for delivery for a total of 24 weeks (168 calendar days). Your submittal procedure indicates a review time of 30 calendar days, for a total time of delivery of 198 calendar days which doesn't include any time to work out the terms and conditions with the supplier or any re-submittals, installation and testing. We request you take a second look at the contract time and adjust accordingly.

A: The project duration has been changed from 180 to 270 CALENDAR DAYS.

Q: Regarding question and answer #7 from addendum #1, we need something to base our bid on so please give us either a maximum depth or minimum depth of existing utilities for us to base our bid on.

A: For Bidding purposes, assume the depth of all existing utilities are a minimum of 3' from finished surface. Bypass piping shall be installed above existing utilities unless otherwise directed by the plans and specifications.

Q: Will the RFI deadline also be extended since the bid date has been extended?

A: Yes, the deadline for RFI or Pre-Bid questions has been extended to Friday February 1, 2019 at 5:00PM.

Q: Please clear up our confusion on the temporary feed chlorination system. Is it already there, if not please let us know where? Who buys the chemicals for this?

A: The temporary feed chlorination system shall be provided by the contractor. The Owner will provide the sodium hypochlorite for use with the temporary system.

Q: The scales on the drawings appears incorrect.

A: The 11"x17" drawings are half size, full size drawings are 22"x34". The drawing borders include an original size scale in inches. Also notice the 0 to 4 inch scale along the lower right hand side of the border. If you place a ruler adjacent to this scale and it does not measure 4-inches, it is not full size.

ADDENDUM SECTION 2 – Changes to the Contract Documents

1. Section 00810 1.07 Supplement to General Provisions. **DELETE** "The work shall be completed within ONE HUNDRED EIGHTY CONSECUTIVE CALENDAR DAYS (180) from and after the date of the Notice to Proceed.". **REPLACE** with "The work shall be completed within TWO HUNDRED SEVENTY CONSECUTIVE CALENDAR DAYS (270) from and after the date of the Notice to Proceed."

2. Section 16050 3.01A Common Work Results for Electrical. **DELETE** "The electrical subcontractor is required to visit the site to examine the premises completely before bidding". **REPLACE** with "An optional (non-mandatory) additional Pre-Bid site visit has been scheduled for Wednesday January 30th at 10:00AM at the 4S Water Reclamation Facility (16595 Dove Canyon Rd. San Diego, CA 92127). It is highly encouraged for contractors and subcontractors to visit the site prior to bidding however, a site visit is not mandatory in order to submit a bid."

3. Section 17050 1.01A4 Common Work Results for Process Control and Instrumentation Systems. **DELETE** "The Olivenhain Municipal Water District has requested that the Systems Integrator be Ignition SCADA by Inductive Automation & Interface Automation (Richard Torres) because of his familiarity with the existing SCADA system." **REPLACE** with "The system integrator listed must be a Premier Licensed Ignition Integrator with a minimum of two (2) similar projects successfully performed within the previous three (3) years. "

Attachments: Appendix - GEOCON Incorporated 1987 Soil Investigations Report

END OF ADDENDUM NO. 4

APPROVED:

OLIVENHAIN MUNICIPAL WATER DISTRICT

George R. Briest, P.E.
Engineering Manager