ADDENDUM NO. 1 TO SPECIFICATION NO. 1334P
Reach 4 Recycled Water Booster Station Upgrade

This addendum to the specifications is for the purpose of adding, clarifying, or deleting certain information to the construction drawings and project specifications as follows:

SPECIAL CONDITIONS


DELETE the fourth paragraph of SC-22 in its entirety and replace with the following:

The existing waterlines must be maintained in continuous operation during construction except for two permitted shutdowns to allow for all connections. Each shutdown, no longer than 24 hours, shall be permitted only with prior coordination with the District, to include the Inspector, Operations, Maintenance Personnel and Engineering.

DELETE item no. 6 of SC-22 in its entirety and replace with the following:

6. Contractor to minimize shutdowns to two events during the construction of the new connecting pipes per shut down coordination information on Appendix H.

Contractor must coordinate with the District prior to initiating the Contractor’s dewatering of the existing recycled water system. Contractor shall complete all connection/tie-in work within twenty-four (24) hours from shutdown of existing recycled water system.


REVISE as follows:

The exiting brine flushing pumps or vertical turbine pumps to be repurposed and relocated are Layne/Verti-Line Model 24 GM – Single Stage Only, 400 HP @ 6,250 gpm. Contractor shall be responsible for any and all costs associated with relocation of the existing pumps from the existing wet well and repurposing the pumps in pump cans at the new location as shown in the drawings. Contractor shall perform pump performance test to verify pump curve and installation. Contractor shall provide a fully operational facility.
SECTION P – CONTRACT DRAWINGS

P-03. Construction Drawings.

REPLACE the following contract drawings, attached hereto.

Drawing No. D-54884 (C2)
Drawing No. D-54892 (E2)
Drawing No. D-54895 (E5)
Drawing No. D-54899 (E9)
Drawing No. D-54900 (E10)
Drawing No. D-54901 (E11)

EMWD DETAILED PROVISIONS

Section 01000 General Safety Requirements
REPLACE Exhibit “E” – EMWD Confined Space Entry Policy, attached hereto.

Section 15460 Hydropneumatic Surge Tanks
REPLACE Section 15460, attached hereto.

APPENDICES

Appendix F
REVISE the cover sheet which states Appendix H to show Appendix F.

Appendix G
REPLACE Appendix G - Davis Bacon Prevailing Wage Rates, attached hereto.

Appendix H
ADD Appendix H - Shutdown Coordination Information, attached hereto.

Appendix I
ADD Appendix I – Reference Drawings, attached hereto.

MANDATORY PRE-BID WALK THROUGH

A mandatory pre-bid walk through meeting was conducted on May 10, 2018 at 9:00 AM.

NOTE: Refer to EMWDs website to obtain the Pre-Bid Walk Through Sign-In Sheet.
**QUESTIONS & ANSWERS**

**R.I.C. CONSTRUCTION CO., INC.**

Q1. We have an RFI for the above referenced project with regards to DIR registration extract with bid proposal. We will be receiving competitive sub quotes up to 15 minutes prior to turn in to you the client. The bid runner will not be able to print an extract from the DIR website at the location of proposal turn in. It’s customary to list the subcontractor’s DIR number on the bid form. Can we follow up with the printed DIR extract within 24 hours of bid?

A1. Pursuant to Section 1771.1 of the Labor Code, **no contractor or subcontractor** shall be qualified to bid on or be **listed** in a bid proposal unless currently registered to perform public work pursuant to Section 1725.5 of the Labor Code. Bidders and their Subcontractors listed on the Designation of Subcontractors List C-05 are to provide a copy of the extract at time of bid showing active registration.

Q2. Would you please publish a geotechnical report so we can understand the conditions of the soil? We will be excavating approximately 29 feet deep and the shoring sub needs to know the condition of the earth.

A2. Refer to Appendix C - Geotechnical Investigation.

**SCHULER CONSTRUCTORS**

Q1. We would like to know the thickness of the slab under the above grade storage tank area and the size of rebar we should expect to hit.

A1. Refer to Appendix I – Reference Drawings, Sheet M-18 and Detail 1 on Sheet S-5 of Sodium Hydroxide FDN Plan for dimensions.

Q2. We would like to know the thickness of the pavement shown on Sheet C1 to be removed.

A2. Contractor shall assume 3” Asphalt over 8” Aggregate Base.

Q3. The 66-inch Wet-Well Overflow piping (Sheet D1, Note 3) is shown to be abandoned in place. This Overflow runs underneath the 36-inch RW line (PZ 1627). Please provide us with as-built drawings for the Overflow piping so that we can determine where we will need to support the existing piping, and to determine how to shore the excavation.
A3. Refer to Appendix I – Reference Drawings, Reach 4 Reclaimed Water Pump Station and Facilities at Sun City RWRF. Also refer to the answer to Schuler Constructors Q8. The extent of demolition is intended to stop at the point where the 66” overflow crosses underneath the existing above-grade 36-inch RW line (PZ 1627) to remain in place. Limits of demolition and location of concrete plugs may be adjusted by Contractor to accommodate shoring plan and excavation.

Q4. SC-26 requires the Contractor to repurpose the two existing 400 HP pumps. It also requires us to test the pumps after the pumps are re-installed. Please provide recent pump curve data so that we can verify the performance of the test after it is moved. If curves and performance data are not available, the District should require all Contractors to test the pumps prior to moving them so that a baseline performance can be established. Please include any other parameters the District would like for us to test.

A4. Please see the attached updated SC-26 and the pump curve that the District has on record. The Contractor will not be held responsible for the performance of the pumps. However, the Contractor shall provide a fully operational facility.

Q5. SC-22 details the shutdown requirements for this project. The specifications appear to conflict in the time allowed for the shutdown. On page SC-11, paragraph 3, the specifications state: “A shutdown, no longer than 24 hours, shall be permitted....” On the other hand, on page SC-12, paragraph 3 there is another sentence that states: “Contractor shall complete all connection/tie-in work within 6 hours from shutdown of existing recycled water system.” We would like the District to clarify the following with regards to this section:

   a. Is there a conflict in the allowable shutdown periods?
   b. What is the maximum shutdown period for all three tie-ins?
   c. On page SC-13 the District states that the Contractor will have some dewatering to perform prior to performing the tie-in work. Does the shutdown period include the dewatering of the 1,372,800 gallons (Suction Connection at Goetz Road)?
   d. Is it the District’s intent to require the Contractor to complete all three tie-ins during the same period?
   e. If it is the District’s intent to require the Contractor to complete all three tie-ins in 6 hours, this time period is not nearly enough time to meet the dewatering requirements, remove the existing pipe, install and weld the new pipe tie-ins.
A5. Per edits made in this Addenda #1, the shutdown requirements have been clarified. Refer to the updated SC-22 and the attached Appendix H – Shutdown Coordination Information.
   a. There is no conflict in the allowable shutdown periods.
   b. See attached Appendix H – Shutdown Coordination Information. There are 2 shutdowns for the 3 tie-ins. (The surge tank pipe connection will be a hot tap.) The maximum shutdown period for each shutdown is 24 hours.
   c. Yes, refer to SC-22, item 6 above and see attached Appendix H – Shutdown Coordination Information.
   d. No, see attached Appendix H – Shutdown Coordination Information.
   e. See Appendix H – Shutdown Coordination Information.

Q6. The demolition plans require the Contractor to remove and dispose of the above-grade storage tank shown on Sheet D1. In order to properly dispose of the tank, we would like the District to insure the tank is completely drained and cleaned.

A6. Tank is drained and clean.

Q7. During our site visit, we noticed that the area where the future surge tank will be located is sloped. We do not show any final grades on the Surge Tank Site Piping plan on Sheet C2. The specifications call for the Contractor to grade the site. We would like to have a site plan with existing and final grades so we can estimate the quantities required for site grading.

A7. See the updated Drawing C2.

Q8. On Sheet D-1, you show the 66” Overflow is to be capped per Sheet M-2. As stated in question 3 above, a portion of the 66” Overflow is shown to be under the 36” RW line. Please provide the exact location where the District would like the line capped on both ends.

A8. The 66” overflow is to be demolished to the extent required to install the new 36” suction pipe and the new pump cans for the two relocated pumps. The concrete plugs are shown on M-2 at locations that minimize disturbance to existing above-grade pipe that is to remain in service. The exact limits of 66” demolition may be adjusted by the Contractor as required to accommodate the installation of new work while protecting existing assets to remain in place.
Q1. I cannot find detail for Butt Strap on EMWD web site for Std Drawing A492. Shown on Note 27 on sheet M3. If this detail only requires welding on the outside of the pipe then some of the concerns below may not be applicable but your time frame to dewater, demo, weld, test, grout and Diaper 54” Diameter pipe would be extremely difficult. Please send me the correct detail.

A1. Note 27 on M3 should reference EMWD Std Drawing B-304. Welds are only required on the outside of the butt-strap.

Q2. SC-22.6 State that Contractor shall complete all connection / tie ins within 6 hours from Shutdown of existing recycled water systems.
   a. On one of the three tie in locations we need to pump out and dechlorinate over a million gallons of water before beginning the tie in.
   b. We also have two 54” Buttstraps that will need to be grouted, diapered. For a Buttstrap typically 4 welds (2 inside and 2 outside) which take approximately 14 hours each. Perhaps it would be possible to have 4 welders inside the pipe at a time but that would still take up more than 6 hours. Grouting and testing takes up more time, and the grout typically sets up for 24 hours.
   c. Expecting these tie ins to be accomplished in 6 hours seems unrealistic and to have all tie ins complete in 24 hours would be next to impossible.

A2. Per edits within this Addenda No. 1, the shutdown requirements have been clarified. See the updated “Special Conditions” and refer to Appendix H – Shutdown Coordination information.
   a. Each shutdown period will be up to 24 hours.
   b. See EMWD Std Drawing B-304 for butt-strap details. Welding is only required on the outside of the butt-strap. EMWD also typically uses a rapid setting grout that will set in less than 24 hours.
   c. See Appendix H – Shutdown Coordination Information.

Q3. The spec also states that the contractor should expect the valves to leak. OSHA requires two valve protection when working inside a pipeline. If the owner provides this two valve protection, block and bleed, then the leaky valve would typically not be an issue. Will the contractor be provided two valve protection? If the contractor is not provided two valve protection then will alternated connection and tie in methods be accepted as there is not a safe way to do the tie ins? If the owner is to provide two valve protection is the amount of water that the Contractor is expected to pump the same?

A3. The Contractor will be provided two valve protection, and the amount of water that the Contractor is expected to pump is the same.
ATTACHMENTS:

- Drawings D-54884, D-54892, D-54895, D-54899 - D-54901
- Section 00100 (Exhibit “E” – EMWD Confined Space Entry Policy only)
- Section 15460-Custom (Hydropneumatic Surge Tanks)
- Pump Curve
- Appendix G (Revised Davis Bacon Prevailing Wage Rates)
- Appendix H (Shutdown Coordination Information)
- Appendix I (Reference Drawings)