NORTH TEXAS MUNICIPAL WATER DISTRICT
RICHARDSON SPRING CREEK LIFT STATION IMPROVEMENTS
PROJECT NO. 303

ADDENDUM NO. 1

BID OPENING TIME: March 25, 2015 @ 10:00 AM (CDT)

LOCATION: North Texas Municipal Water District
505 East Brown Street
Wylie, TX 75098

The following additions, deletions, modifications, or clarifications, along with all attachments shall be made to the appropriate sections of the Specifications and Contract Documents and shall become a part of the Contract Documents. Bidders shall acknowledge receipt of this addendum in the space provided on the Bid Form.

A. CONTRACT DOCUMENTS AND TECHNICAL SPECIFICATIONS

1. SECTION 00_01_10, TABLE OF CONTENTS
   A. Page 4, Division 40, below 40_05_52, add the following:
      “40_05_62 PLUG VALVES”

2. SECTION 00_01_20, INVITATION FOR BIDS
   A. Page 1, second paragraph, first sentence, replace bid date “March 18, 2015” with “March 25, 2015”.

3. SECTION 00_42_23.01, BID FORM EXHIBIT A
   A. Part 1, Item No. 4, revise unit to “SF” and estimated quantity to “3,000.00”.
   B. Part 1, Revise Item No. 5 description to state “Diving and inspection of wet well coating.”

4. SECTION 00_52_23, AGREEMENT
   A. Article 5.01, Item No. 4, revise unit to “SF” and estimated quantity to “3,000.00”.
   B. Article 5.01, Revise Item No. 5 description to state “Diving and inspection of wet well coating.”

5. SECTION 01_29_00, PAYMENT PROCEDURES
   A. Paragraph 1.07.A, replace paragraph 5 as follows:
      “5. Item No. 5 – Diving and inspection of wet well coatings as required for the installation of the wet well coatings. One diving and inspection shall be performed prior to draining and cleaning of the wet well. One diving and inspection shall be performed after installation, testing, and Owner acceptance of the wet well coatings.”
6. SECTION 01_50_00, TEMPORARY FACILITIES AND CONTROLS
   A. Delete paragraph 2.02 in its entirety, and renumber subsequent paragraphs.

7. SECTION 09_96_03, CORROSION PROTECTIVE COATING
   A. Paragraph 1.06, add item D as follows:
      “D. Contractor shall provide third party NACE certified inspection for testing of
         coatings after installation and curing.”

8. SECTION 33_05_11, TEMPORARY BYPASS PUMPING
   A. Paragraph 1.04.A, add paragraph 2 as follows:
      “2. Average minimum flow ranges from 1.0 to 1.5 mgd.”

9. Add SECTION 40_05_62, PLUG VALVES, attached.

10. SECTION 40_05_65.01, GATE, GLOBE AND ANGLE VALVES
    A. Paragraph 2.01.A.2.d, replace the word “metal” with “resilient”.
    B. Paragraph 2.01.A.2.e, delete the word “wafer”.

11. SECTION 43_23_31.30, VERTICAL NON-CLOG CENTRIFUGAL PUMPS
    A. Paragraph 1.06.D.3, replace “signed to an officer of the company manufacturing the
       equipment and” with “signed and sealed by a Professional Engineer in the State of
       Texas”
    B. Paragraph 1.06.D.4, delete in its entirety.
    C. Paragraph 1.11.B, add “for each type of pump” after “following”.

B. DRAWINGS

12. SHEET TC01, TYPICALS CIVIL TYPICAL DETAILS
    A. C180, CHAIN LINK FENCE AND GATE, Chain Link Double Gate Detail, change
       dimension showing height to 8’-0”.

13. SHEET TP02, TYPICALS PIPING TYPICAL DETAILS – II
    A. Add detail P242 SEWAGE AIR VALVE FOR 3” AND SMALLER VALVE ASSEMBLY,
       attached.
    B. Add detail P304 SLEEVE INSTALLATION THROUGH WALLS AND FLOOR SLABS,
       attached.
    C. Add detail P656 VERTICAL PIPE SUPPORT – WALL BRACKET INSIDE, attached.
    D. Add detail P662 PIPE SUPPORT FOR ONE VERTICAL RISER, attached.

14. SHEET C01, CIVIL PAVING/GRADING AND YARD PIPING PLAN
    A. Callout near F4, revise to state “8’ CHAINLINK FENCE”.
    B. Callout near F1, revise to state “8’ CHAINLINK FENCE”.
15. SHEET M01, MECHANICAL LIFT STATIONS PLANS AND SECTIONS

A. Plan A, replace note “Existing 12” thick concrete pad” with “EXISTING 3'-0" x 3'-0" x 3'-0" +/- THICK CONCRETE PAD TO REMAIN. DEMOLISH 1'-2" X 8" X 3'-0" +/- TEE CONCRETE PAD PROTRUDING TO THE NORTH PRIOR TO PLACING NEW CONCRETE PAD”.

B. Plan A, replace note “Odor Control Carbon Can 12” thick concrete pad reinf w/ #5 @ 6" EW T&B” with “ODOR CONTROL CARBON CAN CONCRETE PAD CONSTRUCTED AROUND EXISTING SQUARE CONCRETE PAD. MATCH EXISTING ELEVATION. REINF W/ #5 @ 6" EW T&B”.

C. Key Note 25, replace “09_91.00” with “09_96_03”

This Addendum No. 1, pages 1 through 3, shall become part of the Contract and all provisions of the Contract shall apply thereto.

The time provided for completion of the Contract is not changed.

Bidders shall acknowledge receipt of all Addenda by number in the space provided in the Proposal.

Carollo Engineers, Inc.

Signature

Leticia A. Arvide-Gomar, P.E.

END OF ADDENDUM NO. 1

ATTACHMENTS:
40_05_62, 3 pages, 8.5 x 11
P242, 1 page, 8.5 x 11
P304, 1 page, 8.5 x 11
P656, 1 page, 8.5 x 11
P662, 1 page, 8.5 x 11
SECTION 40_05_62
PLUG VALVES

PART 1 GENERAL

1.01 SUMMARY

A. Section includes:
   1. Non-lubricated plug valves.

B. Related sections:
   1. The Contract Documents are complementary; what is called for by one is as binding as if called for by all.
   2. It is the Contractor’s responsibility for scheduling and coordinating the Work of subcontractors, suppliers, and other individuals or entities performing or furnishing any of Contractor’s Work.

1.02 REFERENCES

A. American Water Works Association (AWWA):

B. ASTM International (ASTM):

1.03 SUBMITTALS

A. Shop drawings: Submit the following information as specified in Sections 01_33_00 and 40_05_51.01:
   1. Product data.
   2. Operation and maintenance data.

PART 2 PRODUCTS

2.01 NON-LUBRICATED PLUG VALVES

A. Manufacturers: One of the following or equal:
   1. DeZurik, “PEC."
   2. Clow Valve.

B. Design:
   1. Type: Non-lubricated eccentric type, in accordance with AWWA C517.
   2. Plug face: Resilient material that operates satisfactorily at a temperature of 180 degrees Fahrenheit continuous and 215 degrees Fahrenheit intermittent, except for valves in compressed air or digester gas service.
a. Valves in compressed air service: Resilient material suitable for continuous duty at 250 degrees Fahrenheit.
b. Valves in digester gas service: Resilient material suitable for petroleum or digester gas at continuous duty at 180 degrees Fahrenheit.

3. Compression washer: Provide flat compression washer made of Teflon, or of a material having equal physical characteristics on valve stem between plug and bonnet.
4. Stem seals: Provide stem seals serviceable without unbolting the valve bonnet assembly.
5. Grit excluders: Provide PTFE grit excluders at upper plug journals to prevent entry of foreign solids in bearing area.
6. Clearly mark valves to indicate their open and closed positions.
7. Provide valves with ends as required by piping details indicated on the Drawings.

C. Materials:
   1. Body and plug: ASTM A 536, Grade 65-45-12, ductile iron, with plug face of EPDM material suitable for the intended service as specified under paragraph “Design” above.
   2. Body seats in valves 3 inch size and larger: Provide with overlay of not less than 90-percent nickel and minimum thickness of 1/8 inch on surfaces contacting the plug face.
   3. Stem bearing and bottom bearing: Type 316 stainless steel backed TFE bearings.
   4. Internal parts, except the body and plug: Type 316 stainless steel or Nickel.

2.02 VALVE OPERATORS

A. Furnish valves with an operating wrench or worm gear operator:
   1. Equip valves 4 inch nominal size and smaller with a lever operator.
   2. Equip valves 6 inch nominal size and larger with a worm gear operator.

2.03 COATING

A. Coat interior metal surfaces as specified in Section 40_05_51.01.
B. Coat exterior metal surfaces as specified in Section 09_96_01.

PART 3 EXECUTION

3.01 INSTALLATION

A. Install valves as specified in Section 40_05_51.01 and the manufacturer’s instructions.
B. Install valves so that in the closed position the pressure in the pipeline applies a seating head on the valves.
C. Install valves so that in the open position the plug is located in the top half of the valve body so that the bearings are on the side of the pipe and not on bottom.

END OF SECTION
NOTES:
1. VALVE SIZE SHALL BE AS INDICATED ON THE DRAWINGS.
2. SERVICE TAP AND PLUG VALVE SHALL MATCH VALVE INLET SIZE.
3. GSP VENT AND BLOW OFF PIPING SHALL MATCH VALVE OUTLET SIZE.
NOTES:
1. 6"Ø SLEEVES AND SMALLER SHALL BE SCH 40 STEEL PIPE.
2. SLEEVES LARGER THAN 6"Ø SHALL BE 1/4" THICK STEEL PIPE.
3. IN WALLS ThICKER THAN 12", LINK SEAL SHALL BE INSTALLED AT BOTH ENDS OF WALL SLEEVE. SLEEVE DIAMETER SHALL BE PER LINK SEAL MANUFACTURER'S RECOMMENDATION.
4. SLEEVE SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION.
L 3 x 3 x 1/4 BRACE. COPE LEG AS REQU.

CL PIPE

BOLT THRU SUPPORT
COPE ANGLE TO CLEAR PIPE AS REQUIRED

1 3/4" (TYP)
CL BOLTS

NOTE:

1. HOT-DIP GALVANIZE SUPPORT AFTER FABRICATION.
NOTE:

1. IF SUPPORT IS SUBMERGED OR LOCATED BELOW THE TOP OF WALL IN WATER BEARING STRUCTURE, ALL MATERIAL SHALL BE STAINLESS STEEL. IN ALL OTHER AREAS, THE MATERIALS SHALL BE HOT-DIP GALVANIZED STEEL UNLESS OTHERWISE INDICATED ON THE DRAWINGS. HOT-DIP GALVANIZE AFTER FABRICATION.