

# ADDENDUM NO 2

to the Contract Documents

JVWCD Project No. 3978

for construction of the

## 11800 SOUTH U-111 PIPELINE

February 10, 2017

This addendum is hereby attached to and made part of the Contract Documents. The addendum consists of **7 pages** of written text and **10 pages** of drawings. Each Bidder shall acknowledge receipt of this addendum on the Bid Form (Spec Section 00 41 13 page 1) and by signing and attaching this addendum to the bid.

### To All Plan holders and/or Prospective Bidders:

The following changes, additions, and/or deletions are hereby made a part of the 11800 South U111 Pipeline Contract Documents dated January 2017, as fully and completely as if the same were fully set forth therein:

### PART 1 - PROCUREMENT REQUIREMENTS

- A2.1 Section E, Information Required of Bidder, Page E-1, Under item 6, second bullet, **DELETE** second in its entirety for Project Manager and **REPLACE** with "Have successfully performed as Project Manager on the construction of at least three (3) pressurized potable water pipeline projects with a diameter of at least 36-inches."
- A2.2 Section E, Information Required of Bidder. Page E-2. Top of page **DELETE** the last bullet under Project Manager, that says "The construction of at least one (1) welded steel pipeline project." and **REPLACE** with "The construction of at least one (1) *36-inch or larger* welded steel pipeline project."
- A2.3 Section E, Information Required of Bidder. Page E-2. Under Project Superintendent, 3<sup>rd</sup> bullet **DELETE** the second tiered third bullet that says "The construction of at least one (1) welded steel pipeline project." and **REPLACE** with "The construction of at least one (1) *36-inch or larger* welded steel pipeline project."

### PART 2 - CONTRACTING REQUIREMENTS

### **PART 3 – SPECIFICATIONS**

- A2.4 Section 01 11 00, Summary of Work, Page 1, Paragraph 1.01.B.6, **DELETE** item 6 in its entirety and **REPLACE** with “Cathodic protection system for the *48-inch and 36-inch* welded steel pipeline.”
- A2.5 Section 01 31 13, Project Coordination, Page 5, Paragraph 1.05.F, **DELETE** “June 1, 2017” and **REPLACE** with “Aug 1, 2017”.
- A2.6 Section 01 31 13, Project Coordination, Page 5, Paragraph 1.05.G.1, **ADD** at the end of the paragraph “A maximum 8 hour shutdown time of the existing 48-inch WSP pipeline will be allowed in order to make the final connection.”
- A2.7 Section 01 31 13, Project Coordination, Page 5, Paragraph 1.05.H.1. At the end of the first sentence **DELETE** the date “September 1, 2017” and **REPLACE** with “September 30, 2017”.
- A2.8 Section 01 31 13, Project Coordination, Page 5, Paragraph 1.05.H.1, **ADD** at the end of the paragraph “A maximum 8 hour shutdown time of the existing 30-inch WSP pipeline will be allowed in order to make the temporary 16-inch by pass connection, and for the final 30-inch connection.”
- A2.9 Section 01 31 13, Project Coordination, Page 6. Under Work Sequencing/Constraints **ADD** new paragraph 1.05.I to read “The Soils Material Management Plan (SMMP) as outlined in Section 31 23 16 shall be submitted to the Owner and Engineer within 2 weeks of Award of Contract such that it can be reviewed and submitted by the Contractor to the Utah Division of Environmental Quality (UDEQ) within 3 weeks of Award of Contract. The Contractors schedule shall include at least a 60 day time period for review and approval of the SMMP starting from the time it is submitted to UDEQ.”
- A2.10 Section 01 50 00, Temporary Facilities and Controls, Page 2, Paragraph 1.03.B, **DELETE** first sentence and **REPLACE** with “A staging area will be provided for the contractor’s temporary facilities at the existing 10200 South, Zone C Tank Site which is available when the Work begins.”
- A2.11 Section 01 50 00, Temporary Facilities and Controls, Page 2. **INSERT** section 2.01 and 3.01 as outlined in Attachment 1 and **RENUMBER** the original sections accordingly.
- A2.12 Section 05 50 00, Metal Fabrications, Page 10. Following Section 2.11 **INSERT** section 2.12 listed below and **RENUMBER** the original sections accordingly.

#### “2.12 SAFETY CLIMB DEVICE

- A. General:
1. Conforms to ALI A14.3 and OSHA CFR Part 1910.27.
  2. Belt and harness shall withstand minimum drop test of 250 pounds in 6-foot free fall.
  3. Fall Prevention System Material: Stainless steel, AISI Type 316.
- B. Components and Accessories:
1. Main Components: Sleeve or trolley, safety harness, and carrier or climbing rail.

2. Ladder rung clamps with stainless steel, AISI Type 316, mounting brackets and hardware.
3. Removable extension kit with tiedown rod or trolley gate, mandrel, and carrier rail for ladders under manholes and hatches.

C. Manufacturers and Products:

1. Miller Equipment, Franklin, PA; Sure Track Rail System.
2. TS Products, St. Charles, IL; TS Safety Rail System. “

A2.13 Section 05 50 00, Metal Fabrications, Page 14. Following Section 3.02 **INSERT** section 3.03 listed below and **RENUMBER** the original sections accordingly.

“3.03 SAFETY CLIMB DEVICE SYSTEM

- A. Provide for each ladder where unbroken height between levels exceeds 20 feet, or at lesser height where indicated on Drawings.
- B. Install in accordance with manufacturer’s instructions.
- C. Furnish additional accessories required to complete system for each ladder.
- D. Furnish one harness for each ladder equipped with safety climb device.
- E. Furnish pivot section at platforms, landings, and roofs.
- F. When installed to required height, fall prevention system shall be rigid and an integral part of the structure. “

A2.14 Section 09 97 13, Pipeline Tape Coating, Page 5, Paragraph 2.0.B. **DELETE** the words “three-layer” in the first sentence and **REPLACE** with “two-layer”. The tape coating system shall be a 50-mill system as specified.

A2.15 Section 09 97 13, Pipeline Tape Coating, Page 5, Paragraph 2.0.C. **DELETE** the words “three-layer” in the first sentence and **REPLACE** with “two-layer”. The tape coating system shall be a 50-mill system as specified.

A2.16 Section 31 23 16, Excavation, Page 2, Paragraph 1.02.A.2 **ADD** item f as follows:

“f. Submit qualifications of person or firm preparing the SMMP”

A2.17 Section 31 23 16, Excavation, Page 2, Paragraph 1.03. **ADD** Part B as follows:

“ B. The Contractor shall retain a qualified and experienced independent person or firm to prepare the SMMP that has experience preparing, submitting, and gaining approvals of SMMP’s to the UDEQ within the last 5 years and that is experienced with Bingham Creek Soils. “

A2.18 Section 31 23 17, Excavation, Page 5, Paragraph 3.06.A. Between the third and fourth sentence of the paragraph **ADD** the following sentence: “All soils excavated from the

Bingham Creek area will be presumed to be contaminated with lead and arsenic until proven otherwise.”

A2.19 Section 31 23 17, Excavation, Page 5, Paragraph 3.06.B.1. **DELETE** item 1 in its entirety.

A2.20 Section 31 23 17, Excavation, Page 5, Paragraph 3.06.B.4. **DELETE** item 4 in its entirety and replace with the following:

4. For purposes of this bid, it is assumed that contaminated soil concentrations, based on laboratory sampling and analysis shall be handled as follows:
  - a. At or above residential use levels of 1,100 mg/kg for lead and 100 mg/kg for arsenic will require removal and offsite disposal.
  - b. Between levels of 1,100 mg/kg to 500 mg/kg for lead and 100 mg/kg and 50 mg/kg for arsenic, contaminated soil concentrations, can be placed back into excavations but must be covered with a minimum of 18-inches of clean soil.
  - c. Below levels of 500 mg/kg of lead and 50 mg/kg of arsenic soils are unrestricted.
  - d. UDEQ documented approval is required for the level of contaminated soil that may be placed back into excavations. Decisions are to be documented in SMMP.

A2.21 Section 31 23 17, Excavation, Page 6, Paragraph 3.06.C. In the first sentence **DELETE** “100 ppm” and **REPLACE** with “50 ppm”. Screening level for arsenic is 50 ppm.

A2.22 Section 31 23 17, Excavation, Page 6, Paragraph 3.06.D. **DELETE** paragraph D in its entirety and **REPLACE** with:

“D. Soils suspected of containing elevated levels of lead and arsenic, based on XRF field screening, will be segregated from non-contaminated soils and sampled at a Utah certified analytical laboratory for total metals analysis for comparison with applicable soil cleanup levels , and as approved by UDEQ.”

A2.23 Section 31 23 17, Excavation, Page 7, Paragraph 3.06.I. **DELETE** paragraph I in its entirety and **REPLACE** with the following:

- I. Soils from contaminated areas that are determined to exceed soil cleanup levels or exceed put back levels by UDEQ will be characterized for off-site disposal using the toxicity characteristic leaching procedure (TCLP) at a specific sampling frequency at a Utah certified analytical laboratory.

1. The suggested sampling frequency of one composite sample per 500 yd<sup>3</sup>, which includes 10 grab samples throughout the stockpiled or containerized soil The ten-point composite sample shall come from differing locations in a stock pile or from each corner and the center of a roll-off, and mixed to composite the sample. Composite soil samples will require analysis from a Utah certified analytical laboratory for metals using by EPA’s SW-846 Test Methods 1311/6020/7471B. These analytical methods will determine both mg/kg and mg/L concentrations for comparison with applicable soil cleanup levels and comparison with TCLP

concentrations to determine if the soil is a hazardous waste. However, the sampling frequency and type of analysis may change depending on the requirements of the disposal facility or UDEQ. The disposal facility and/or UDEQ may also require additional analyses including corrosivity, reactivity, flash point, paint filter, identification of any suspected underlying hazardous constituents and/or total petroleum hydrocarbons (TPH) tests to characterize the soil. It is the responsibility of the Contractor to conduct testing, coordinate with the approved disposal facility and provide all required data.

- A2.24 Section 31 23 17, Excavation, Page 7, Paragraph 3.06.J. In the first sentence following the word “limits” **ADD** “of 5 mg/L for Arsenic and 5 mg/L for Lead,”
- A2.25 Section 31 23 17, Excavation, Page 10, Paragraph 3.08.G. Last sentence of paragraph **DELETE** the words “, after review by Engineer”
- A2.26 Section 31 23 23.15, Trench Backfill, Page 10, Paragraph 2.10.B.3, After the words “Class C”, **INSERT** the phrase “or Class F”.
- A2.27 Section 33 05 01, Conveyance Piping-General, Page 12, Paragraph 3.10.B, **DELETE** paragraph B in its entirety and **REPLACE** with “B. For pipelines 24 inches or larger in diameter, acceptable alternatives to flushing are use of high-pressure water jet, sweeping, or scrubbing. Water, sediment, dirt, and foreign material accumulated during this cleaning operation shall be discharged, vacuumed, or otherwise removed from the pipe.”
- A2.28 Section 33 13 00, Disinfection of Utility Distribution Facilities, Page 2, Paragraph 2.02.B, **DELETE** paragraph in its entirety and **REPLACE** with “Contractor shall obtain by his own means the water for disinfection and hydro static testing and make arrangements to supply and convey water in the disinfected pipelines.”
- A2.29 Section 40 27 02, Valves and Operators, Page 9, Paragraph 2.04.E.1, First sentence **ADD** the words “anti-cavitation trim and” after the word with so that the paragraph reads “Type V715 Electronic Interface Flow Control Valve with anti-cavitation trim and Hydraulically Operated Pressure Reducing Valve 3 Inches and Larger:”
- A2.30 Section 40 27 02, Valves and Operators, Page 9, Paragraph 2.04.E.1.a, **DELETE** the second sentence in its entirety. The controller is not needed and valve position will be controlled through the electronic solenoids.
- A2.31 Section 40 27 02, Valves and Operators, Page 9, Paragraph 2.04.E.1.c, **DELETE** item c in its entirety. The controller is not needed and valve position will be controlled through the electronic solenoids.
- A2.32 Section 40 27 02, Valves and Operators, Page 9, Paragraph 2.04.E.1.h. items 1 and 2, **DELETE** item 1 and 2 in their entirety and replace with
- “1) Cla-Val; 131-01KO with anti-cavitation trim
  - 2) Singer Valve; Model 106-2SC-PCO-PR-AC
  - 3) “Or-equal.” ”

## **PART 4 – DRAWINGS**

- A2.33 Drawing PP-20: **REVISED** and **REISSUED** to show existing 24" SD invert at Station 206+13. New cross section locations are also shown.
- A2.34 Drawing XS-05: **ISSUE** new drawing XS-05. Includes 4 addition cross sections at Stations 200+00, 206+00, 215+00, and 223+00.
- A2.35 Drawing C-04: **DELETE** note for 16" DIP bypass piping and **REPLACE** with "Temporary bypass piping. Approx 155 ft of 16" restrained joint ductile iron pipe and fittings. Pressure rated to 250 psi."
- A2.36 Drawing C-05: **DELETE** drawing C-05 in its entirety and **REPLACE** with **REISSUED** drawing C-05. PRV Vault floor has been lowered 11 feet and pipe profile adjusted accordingly.
- A2.37 Drawing C-07: **ISSUE** new drawing C-07. Shows staging area at JVVCD 10200 South Zone C reservoir site.
- A2.38 Drawing SM-01: Material schedule item 2 **DELETE** "TYP OF 3" and **REPLACE** with "TYP OF 2".
- A2.39 Drawing SM-01: Material schedule item 22 **DELETE** "TYP OF 4" and **REPLACE** with "TYP OF 3".
- A2.40 Drawing SM-03: **DELETE** drawing SM-03 in its entirety and **REPLACE** with **REISSUED** drawing SM-03. Vault depth has increased, sump pump added, and orifice plate added.
- A2.41 Drawing E-01: **DELETE** drawing E-01 in its entirety and **REPLACE** with **REISSUED** drawing E-01.
- A2.42 Drawing E-02: **DELETE** drawing E-02 in its entirety and **REPLACE** with **REISSUED** drawing E-02.
- A2.43 Drawing E-04: **DELETE** drawing E-04 in its entirety and **REPLACE** with **REISSUED** drawing E-04.
- A2.44 Drawing E-05: **DELETE** drawing E-05 in its entirety and **REPLACE** with **REISSUED** drawing E-05.
- A2.45 Drawing SD-20: **ISSUE** new drawing SD-20.

## **PART 5 – ATTACHMENTS**

1. Section 01 50 00, Temporary Facilities and Controls, added sections 2.01 and 3.01.
2. Drawings PP-20, XS-05, C-05, C-07, SM-03, E-01, E-02, E-04, E-05, SD-20.

**END OF ADDENDUM**

JORDAN VALLEY WATER CONSERVANCY DISTRICT

Shane Swensen, PE  
Engineering Department Manager

or

Frank Roberts, PE  
Project Manager