



February 3, 2021

ADDENDUM NO. 001 TO SPECIFICATION NO. 1404W
Murrieta Road Transmission Pipeline

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:

SECTION H

ADD Riverside County Flood Control and Water Conservation District Encroachment Permit attached.

SPECIAL CONDITIONS

SC-24. Contractor Cooperation and Project Schedule Requirements

REVISE SC-24 paragraph 3 and 4 as follows:

Contractor shall coordinate the work sequence and schedule for the Project per below restrictions and other on-going projects in the vicinity.

- 1) **Perris II Desalination Facility** – Work at the Desalination Facility and Valley Boulevard shall commence no earlier than ~~September 15, 2021~~ **October 15, 2021**.
- 2) **24-inch Brackish Pipeline** – Contractor shall coordinate work in Valley Boulevard with construction of 24” Brackish Perris Raw Water pipeline. Work shall commence no earlier than ~~September 15, 2021~~ **October 15, 2021**.
- 3) **Salt Creek at intersection of Murrieta Road** – Area is subject to flooding during wet season. No work shall be planned or performed at the Salt Creek area during the wet season between October 1st through April 31st.
 - a. Contractor shall submit shop drawings for all project materials related to work at Salt Creek area within five (5) days of receiving notice to proceed.
 - b. Shop drawings shall include but not limited to pipeline, casing, microtunneling, shafts, valves, manways, manhole assemblies, air valves, blow offs, and all appurtenances required within the Salt Creek area.

Contractor’s use of the Desalination Facility for storage of materials and construction staging will only be permitted for Schedule B and C construction activities and will not be permitted earlier than ~~September 15, 2021~~ **October 15, 2021** and at the sole discretion of the District.

SUPPLEMENTAL SPECIAL CONDITIONS

SSC-5. SECTION 15061 – STEEL CYLINDER WATER PIPE

2.01 MATERIALS revise the last sentence as follows:

The manufacturer of the steel cylinder shall be responsible for all requirements of these specifications. Manufacturers must be per EMWD's "approved materials list" and are: Ameron, Continental Pipe Manufacturing Co., Mid America Pipe, Northwest Pipe Company and Rosco Moss, and Thompson Pipe Group.

SECTION P – CONTRACT DRAWINGS

P.03. City of Menifee Standard Drawing

DELETE 812 Trench backfill and Roadway Repair and replace with revised Drawings attached hereto.

ADD the work related to the replacement of existing asphalt concrete pavement with Portland cement concrete pavement and replacement of automated gate loops as identified within the revision clouds for the following drawings, which are attached to this Addendum. Any attached drawings that are not listed below have been included for reference only. Include price for this work under **Schedule B – Bid Item 2.**

- 1338W – D-56183
- 1338W – D-56185
- 1338W – D-56186
- 1338W – D-56187
- 1338W – D-56189
- 1338W – D-56225
- 1338W – D-56226
- 1338W – D-56232
- 1338W – D-56442

REVISE the following drawings to revise the Schedule B 18-inch above grade bypass piping and adjoining piping as indicated in the Delta 1 revision, which are attached to this Addendum.

- D-59476
- D-59477
- D-59480
- D-59481
- D-59483
- D-59484

APPENDICES

ADD Appendix L Highline Conceptual Sketch (attached)

EXHIBITS

ADD the following Exhibits (attached)

Exhibit A – Existing Sewer System Maximum Allowable Discharge Rates

Exhibit B – Existing Water System Valves for Shutdown During Connections

Exhibit C – Discharge to Sun City Ponds Conceptual Plan

MANDATORY PRE BID WALK THROUGH

A mandatory pre-bid walk-through meeting was conducted on January 14, 2021.

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

QUESTIONS & ANSWERS

Ayala Boring Inc.

Q1. Is microtunneling the only acceptable method for the 54" casing installation?

A1. Yes. Methods other than microtunneling will not be allowed.

Norstar Plumbing and Engineering, Inc.

Q1. Can you confirm the working hours for the project? Menifee Permit states 8:30am - 3:30pm. Special Conditions SC-34 states 7:00am - 5:00pm. Traffic Control plans state 9:00am - 3:00pm.

A1. For the purpose of bidding, assume that the work hours will be as stated in Appendix E – Traffic Control Conceptual Plans Sheet TC-2 (7:00 AM to 5:00 PM regular work hours, 9:00 PM to 6:00 AM night hours); however, Contractor is responsible for preparing the final traffic control plans, obtaining the final encroachment permit, and securing the actual work hours with the City of Menifee.

Q2. On sheet C-13, Trench Detail 2, note 2 states "Contractor shall restore base and pavement up to the trench limits at below locations" 11+25 - 11+51/ 20+00 - 23+00/ 27+50 - 62+50. Since these areas appear to be per this detail and not in accordance with the City of Menifee Std 812, can you clarify if an asphalt overlay will be required at these locations or just base paving?

A1. Restore base and pavement to match existing thickness or minimum requirements per Detail 2, Sheet C-13 for all work north of San Quintin Road (approximate Station 62+50). Restore all work south of San Quintin Road (approximate Station 62+50) per City of Menifee Standard Plan No. 812.

Q3. On sheet G-4, the shutdown coordination table references high lines for 6 of the connections. Can the District provide drawings of what will be required to perform this?

A3. Highlines are required for Connection No. 2 and 6 (Sheet G-4) only. District will provide/remove, connect/disconnect, and activate/deactivate highlines for potable water customer service only. Contractor shall be responsible for all other work as specified in the Contract Documents including but not limited to coordination, notifications, safety and protection measures, dewatering, and submittals. See attached conceptual highline plan for reference.

In addition, see also attached Exhibits A, B, and C for shutdown and dewatering reference.

Q4. The traffic plans have 31 stages of extensive traffic control. Are all stages designed to remain in place until operations are done in that zone?

A4. Per Appendix E – Traffic Control Conceptual Plans Sheet TC-2, Stages 1 thru 5 are 24 hour setups with work hours 7:00 AM to 5:00 PM. Stages 6 thru 31 are to be set up daily and removed at the end of work hours designated on Sheet TC-2. However, Contractor is responsible for submitting final traffic control plans to the City of Menifee and obtaining the Encroachment permit.

Q5. Can you confirm the asphalt mix design requirements with Menifee? They have wanted different mix designs outside of Std 812 in the past.

A5. Asphalt mix shall be per the attached City of Menifee Standard Plan No. 812 revision date 11/6/2017.

James W. Fowler Co.

Q1. In Specification Section 2623 the two definitions HH and II (for Microtunneling and Microtunneling Boring Machine) both leave out the key definition of microtunneling: A slurry-based separation system. This is reinforced by the quality assurance Section (1.06) and Slurry Equipment Requirements of this same specification.

Please confirm that the intent of this specification section, qualifications and method for the trenchless crossing is slurry-based microtunneling.

A1. Microtunnel boring machines in practice may be either slurry or earth pressure balance (EPB). The use of slurry microtunneling would be anticipated on this project.

Q2. In Specification Section 2623 2.02.A.2.a, it states that cobbles are the size to be 30,000 psi (as tested per ASTM D7012).

a. Please provide the size classified by "cobbles."

b. How can ASTM D7012 be performed with the size of a cobble?

A2. Per Appendix C – Geotechnical Baseline Report (GBR), cobbles are less than 12 inches in maximum diameter.

Specification states strength as defined by ASTM D7012. Point load testing by ASTM D5731 may be used and correlated to ASTM D7012 strengths.

Q3. In Specification Section 2715 2.01 C&D we are referred to EMWD Standard Drawing B575. This standard drawing shows two types of casing spacers: wood skids strapped to the carrier pipe and fabricated skids designed for the carrier pipe. Please clarify if either is acceptable for use.

A3. Either are acceptable for use.

Q4. In Specification Section 3610 1.04B, it states that ground pre-treatment is required at the location of the MTBM launch.

Is it possible for the contractor to provide calculations/ shaft design that eliminate this requirement?

A4. Yes, provided that the shaft performance requirements are met.

Q5. Specification 02621 Shaft Construction, Section 1.01 B mentions "Contractor shall assume sole responsibility for designing and sizing the shaft..."

Section 1.05 A states: "No soldier pile lagging for trench boxes/shields shall be permitted for shaft Construction."

Please clarify the Designer's intent for an acceptable water-tight shoring method.

A5. The requirement is based on the groundwater table baselined in the GBR and because dewatering is not permitted during microtunneling activities.

Q6. Due to the complexity of and magnitude of work, we respectfully request the bid opening be delayed one week, and the time be changed to permit communication of preliminary bid results before the following business day.

A6. No change is made to the bid opening schedule.

Northwest Pipe Company

Q1. Does this project have a domestic steel requirement, Buy American, AIS?

A1. No. However, bidders are directed to the requirements of Specification 15061-5 Section 2.01.

Q2. Ref BS-11 Bidding Sheets: What manufacturers have to be listed in the contract documents?

A2. Bidders are not required to list the manufacturer of any product, except where bidders are requesting for substitutions or equals as required in 00064 General Conditions Section F-29 C.

Q3. We've found a discrepancy on the pipe wall thickness in the spec vs. on the drawings. In the specification there is a chart which shows the pipe size and wall thickness.

43.375" O.D. x .1954" wall

37.375" O.D. x .1684" wall

31.375" O.D. x .1413" wall

25.375" O.D. x .1143" wall

19.375" O.D. x .1046" wall

The drawings show all pipe with a 0.25" min. wall thickness except the 42" in the casing, which is 0.750" wall.

Please advise what thicknesses do you want?

- A3. Per Supplementary Special Conditions SSC-5 "Section 15061-Steel Cylinder Water Pipe", 2.01 A.7., the steel pipe plate thicknesses as shown on the plans indicate the minimum steel thickness requirements and supersede the minimum steel thickness requirements of Specification Section 15061, 2.01 Materials. Furthermore, Contractor shall be responsible for steel pipe and specials design requirements to meet the standards listed in Section 15061, 1.02 – Quality Assurance and the requirements of Section 15061, 1.03-Submittals.

E.J. Meyer Company

- Q1. Can the question deadline date be extended by one week to allow us and our subcontractors to fully review the plan and specifications?

A1. No.

Hernandez Consulting LLC

- Q1. In reference to C-2, 43-7/8" x ? does the "T" refer to steel casing? Showing 0.75". I am consulting(estimating) to West Coast Pipe and will be handling this bid.

A1. The T=0.75" MIN is in reference to the 42-inch steel pipe. Contractor is responsible for carrier pipe and casing pipe design and calculations as required by the Contract Documents.

Wright Construction Engineering Corp.

- Q1. Would the Agency allow for the K-Rail to be placed in the bicycle lane versus on top of the pedestrian bridge?

A1. K-Rail placement shall meet the minimum requirements identified in the Specifications Section 01531 – Salt Creek Temporary Pedestrian Bridge to provide the pedestrian walking surface dimensions, travel lane dimensions per traffic control and City of Menifee requirements, and all other local and regulatory requirements for a safe and operable system. Per Section 01531-3.04, any parts of the walkway bridge design and K-rail placement shall not impinge on the existing concrete box culvert, shall not encroach into the Salt Creek bed, and shall protect the existing storm water monitoring pad and enclosure in place.

Eastern Municipal Water District

Bruce A. Metzger

for

Paul D. Jones II, P.E.
General Manager

PE: SW
PM: AK
DFE: BAM
DE: SZ

PDJ:SV:bp:ae

ATTACHMENTS:

Riverside County Flood Control and Water Conservation District
Encroachment Permit
Revised Standard Drawing 812 Trench backfill and Roadway Repair
PCC Paving and Gate Loop improvement drawings
Delta 1 18-inch Bypass revision drawings
Appendix L Highline Conceptual Sketch
Exhibit A – Existing Sewer System Maximum Allowable Discharge Rates
Exhibit B – Existing Water System Valves for Shutdown During Connections
Exhibit C – Discharge to Sun City Ponds Conceptual Plan