

# Gum Tree Pipeline Replacement

## FPUD Job 3141

### ADDENDUM A

February 26, 2021

Attention All Bidders:

The following clarifications, changes, and/or deletions to the Contract Documents are hereby made as part of the Contract Documents for the above referenced project as fully and as completely as though the same was included therein. This addendum shall be acknowledged on the face of the envelope submitted with the Bid Proposal.

This Addendum "A" includes clarifications and/or changes to the Contract Documents for the Fallbrook Public Utility District, **Job 3141, Gum Tree Pipeline Replacement Project.**

1. Drains shall be 4" Blow-off Assembly per FPUD Standard Drawing W-7.
2. Air Release and Vacuum Relief Valves shall be 4" per FPUD Standard Drawing W-12.
3. Specification Section 02223 TRENCHING, EXCAVATION, BACKFILL & COMPACTION, Part 2.01 GENERAL – Revise as follows:  
*The Contractor shall furnish backfill material as specified below. All materials used in and above the Pipe Zone shall be capable of attaining the required relative density.*
4. Specification Section 15076 CEMENT-MORTAR LINED AND COATED STEEL PIPE, Part 2.01 PIPING – Delete D.4: ~~5-inch minimum hand holes shall be required, unless directed otherwise by the District Engineer, to facilitate interior lining repairs at all joints.~~
5. Specification Section 15076 CEMENT-MORTAR LINED AND COATED STEEL PIPE, Part 3.01 INSTALLATION – Delete C.2: ~~After the joints have been welded, the joint shall be grouted with cement mortar in the same manner as specified for rubber ring joints.~~
6. Specification Section 15076 CEMENT-MORTAR LINED AND COATED STEEL PIPE, Part 3.01 INSTALLATION – Add Part D as follows:  
*D. Mortar Line Field Joints under 24-inch diameter as follows:*
  - i. *Mix Stiff Mortar: One-part cement (Type II or V, per ASTM C150) to two parts sand with water to make a stiff mix of dry pack consistency.*
  - ii. *Insert a tight-fitting ball swab or squeegee in bell end of pipe in trench.*
  - iii. *Mortar line face of shop mortar lining in pipe bell. Apply enough mortar to fill space between shop mortar linings of the two pipes being joined.*
  - iv. *Clean and insert spigot end of next pipe into mortar-battered pipe bell.*
  - v. *Immediately after joining pipes, draw ball swab or squeegee through pipe to remove all excess mortar and expel it from open pipe end.*
  - vi. *Do not move the pipe after ball swab has been pulled.*

*vii. For pipes with field welded joints, immediately after pulling swab, tack weld joint in two places, then let mortar cure 4 hours minimum before welding. Welding with fresh mortar evaporates too much water and fails lining. Welding on cured mortar causes a small crack which self-heals when immersed. Then apply joint coatings.*

*viii. Video inspect by robotic camera mortar lined joints not inspected manually.*

7. Submitted Question: Dwg. C-1 does NOT show a drain at the East end (detail 2). The drawing says they are demo'ing a drain on the existing pipe but doesn't say it needs replaced. It appears to me they will want one there too. Please clarify.

Answer: No drain required at the east end. The demo work near Sta 12+00 is an abandoned above grade pressure reducing valve.

8. Submitted Question: Does this project have a domestic steel requirement, Buy American, AIS?

Answer: No