

Yarnell Water Improvement Association

LATERAL REPLACEMENTS

TECHNICAL SPECIFICATIONS

JUNE 2024



The 2023 or latest revision/update of the M.A.G. Uniform Standard Specifications and Details for Public Works Construction are the Standard Specifications for this project.

The following are added to the M.A.G. Standards. The most stringent requirements will govern.

1. PROTECTION OF EXISTING FACILITIES: Contractor shall protect existing facilities, utilities and private property during construction of the project.
2. FLOODING PROTECTION: Contractor shall protect construction site from flooding during storm events. The OWNER shall not be responsible for additional cost associated with flood damage during storm events.
3. STAKING: The contractor will be responsible for establishing lines and grades for the laterals and meters and will be responsible for furnishing all necessary information for the construction.
4. STORM WATER POLLUTION AND PREVENTION PLAN: The Contractor will be responsible for submitting the Notice of Intent (NOI) and the Notice of Termination (NOT) and will be required to provide and follow the requirements, stipulations, and Best Management Practice shown on the SWPPP that will be provided.
5. REDLINE DRAWINGS: The contractor is responsible for maintaining a set of Redline Drawings for the duration of the construction. The Redline Drawings should indicate any deviations from the plans during the construction process. Call attention to entries by drawing a "cloud" around the area or areas affected. Prior to submitting request for final payment, submit the Redline Drawings to Engineer.
6. HIGH WATER LEVEL WATERLINE INSTALLATION: When high water levels cause saturated materials, or when unstable materials are encountered in the utility trenches, the Contractor shall contact the Public Works Director or his designee. The trench shall be over excavated to a depth 2 feet below the 6 inches of bedding for a total of 2.5 feet below the new utility pipe to be free of deleterious materials. Trench width shall be 2' wide plus outside diameter of the pipe. The trench bottom and sides in the over excavation area shall be lined with filter fabric approved by the City. The bottom 2 feet shall be backfilled with leach aggregate that is clean graded hard rock, volcanic rock or gravel of uniform size $\frac{3}{4}$ " to 2-1/2" in diameter, washed or prepared to be free of fine materials. The filter fabric shall be folded over the top of the leach rock to prevent infiltration of fine materials from the bedding and shading material. Bedding material shall be placed over the fabric.

631 Water Taps and Meter Service Connections

Replace "Developer" with "YWIA" throughout.

631.1 Description

Replace first sentence with the following:

This specification covers work in existing developments where waterlines exist and existing laterals are being replaced with new laterals.

Replace last paragraph with the following:

All lateral locations shall be staked by Contractor. Contractor shall set a minimum of two stakes for line and marking one of the stakes for grade.

631.3.1 General

Delete last paragraph.

Add as the last paragraph:

When the Contractor is prepared for the tie-over or connection of the new service lines to the existing water lines, the Owner or Owner designated representative shall be notified a minimum of 48 hours prior to the event. At that time, the Owner will be responsible for notifying the impacted customers of the event and the expected duration of water turnoff. If it is necessary for a water turnoff the **Owner designated staff will operate all valves** to isolate all water lines and to charge the newly installed valves.

631.8 Service on Existing Mains: Delete