

## **Scope of Work/Synopsis**

**Project Number:** 671A4-15-102

**Project Name:** (Construction) Replace Three Main Water Lines

**Narrative:** The Kerrville Veterans Affairs Medical Center (VAMC) consists of 30-buildings within a 70-acre campus. The campus's water system consist of two independent water systems; a soft water system which is used for domestic water use and a hard water system which is primarily used for fire protection and irrigation. The majority of the water mains are underground; however, there is a portion of the existing water main tunnel mounted.

The proposed water main system shall replace:

- 70-year old 8" Cast Iron Hard Water Main;
- 70-year old 8" Cast Iron Soft Water Main;
- 30-year old 6" PVC Soft Water Main.

This project replaces approximately 15,000LF of trenched underground waterline. The proposed water mains consist of 3", 6" and 8" PVC pipe. This also includes 18 gate valves and 2 fire hydrants.

The contractor's building work shall replace building water entry from 5' outside the building to the interior building shut off valve. The building water entry include domestic water supply piping and a separate fire sprinkler supply piping for 19 separate building entries. Included with the project is the relocation of the backflow preventer serving the cooling tower make-up water supply.

Installation includes miscellaneous excavation, patching and repairs. . Appropriate Environmental and Erosion control is paramount in the trenching phase and ongoing through the project. Site work shall also consider existing landscaping as important architectural feature that shall be maintained.

All hydrostatic testing and commissioning is also included.

**Estimated Construction Duration / Period of Performance:** 150 Calendar Days

**Range of Construction Cost:** \$750,000 to \$1,250,000