

# Special Specification 7241

## Water Main Adjustments (City of Fort Worth)



### 1. DESCRIPTION

Adjust butterfly valve vault and relocate cathodic protection access point for water lines and supporting materials in conformance with the City of Fort Worth requirements and details shown on the plans. Obtain necessary permits, provide testing as necessary, and request inspection of the completed water lines before being placed in service. All work shall be performed in accordance with City of Fort Worth Technical Specifications.

### 2. PREQUALIFICATION

In addition to TxDOT's prequalification, water adjustments, and relocations on the City of Fort Worth, waterlines must be performed by a Contractor who is prequalified by the Fort Worth Water Department at the time of the bid opening. Reference the following attached specifications for bidder prequalification requirements:

- 00 45 11 – Bidders Prequalification's,
- 00 45 12 – Prequalification Statement, and
- 00 45 13 – Bidder Prequalification Application.

### 3. MATERIALS

Furnish all materials in accordance with the requirements shown in the Contract Documents and construction plans. All utility components composed of more than 90% steel or iron by weight shall conform to "Buy America" Guidelines.

#### Adjust Cathodic Protection

All Adjustments to the City of Fort Worth Cathodic Protection includes all items associated with the City of Fort Worth Spec for Adjusting Manholes, Inlets, Valve Boxes, and Other Structures to Grade 33 05 14.

#### Adjust Butterfly Valve Vault

All Adjustments to the City of Fort Worth Butterfly valve vault includes all items associated with the City of Fort Worth Spec for Adjusting Manholes, Inlets, Valve Boxes, and Other Structures to Grade 33 05 14. Reference detail in plans "Butterfly Valve Vault Adjustment Detail."

### 4. PERMITS, TESTING, AND INSPECTION

4.1. **Permits.** Acquire all necessary permits from the City of Fort Worth to perform the work. Please contact the following entities as needed:

- Fort Worth Water Department – Field Operations: (817) 392-8296
- Fort Worth Transportation and Public Works: (817) 392-8100

4.2. **Testing.** Provide testing for water mains in conformance to the City of Fort Worth requirements or as directed by the Engineer. Perform the following testing as minimum:

- For water mains: hydrostatic test, poly pigging, and disinfection test.
- Reference Specification – 33 04 40 – "Cleaning and Acceptance Testing of Water Mains."

- 4.3. **Inspection.** All water mains and their appurtenances will be inspected by a representative of the City of Fort Worth. These representatives' decision of acceptability of the installation will be final. The City of Fort Worth will hold 2 final inspections, one at water line completion and the other at roadway completion for final utility grade adjustments according to Specification Section 33 05 14.

---

## 5. CONSTRUCTION

Protect all water mains, vaults, and appurtenances at all times during the construction. Promptly repair, at no additional cost to the Owner, any damage to the existing water system and any interruption to the services such as line stoppages or breakage caused by the Contractor's operation. Follow Location of Existing Utilities Specification Section 33 05 30, per City of Fort Worth requirements.

**Construction Staking.** The construction staking and survey shall be done by the contractor according to the following specification; Specification – 01 71 23– Construction Staking and Survey.

**Specifications.** Perform the work in such a manner consistent with current City of Fort Worth standards and specifications. All **Technical** Specifications listed below are included in this project. Only Specifications that have been modified (**M**) by the Engineer, specifically for this project, are included in the hard copy of the Project's Contract Documents. The remaining Specifications may be viewed or downloaded from the City's Buzzsaw site at: <https://projectpoint.buzzsaw.com/client/fortworthgov/Resources/02%20-%20Construction%20Documents/Specifications>.

---

## 6. MEASUREMENT

"Adjust Cathodic Protection" shall be measured by each cathodic protection system adjusted to grade (lump sum.)

"Adjust Butterfly Valve Vault" shall be measured by each vault adjusted to grade (lump sum.)

---

## 7. PAYMENT

The work performed and materials furnished in accordance with the Pay Items and measured as provided under "Measurement," will be paid for at the unit price bid for the various items specified on the plans. This price is for full compensation for furnishing all equipment, materials, tools, labor, permits, testing, and incidentals necessary to satisfactorily complete the work as detailed on the plans including excavation, embedment, and backfill.

Payment for "Adjust Cathodic Protection" shall be made by the unit price bid, lump sum.

Payment for "Adjust Butterfly Valve Vault" shall be made by the unit price bid, lump sum.