

Special Specification 7150

Casa View to Hailey Pipeline Relocation



1. DESCRIPTION

Furnish and install potable water main pipe, fittings, appurtenances and supporting materials in conformance with the North Texas Municipal Water District (NTMWD) requirements for Project No. 101-0456-17 Casa View to Hailey Pipeline Relocation at Interstate Highway 635, and details shown on the plans and in the specifications referenced in Article 5, "Construction." Obtain necessary permits; provide testing as necessary, and request inspection of the completed water main prior to being placed in service.

2. PREQUALIFICATION

In addition to TxDOT's prequalification, water main improvements included in this project must be performed by a Contractor or subcontractor who meets the NTMWD minimum qualification requirements outlined in the referenced specification Section 00 45 46 – Statement of Qualifications. Bidders shall include all information required by the Statement of Qualifications with the Bid.

3. MATERIALS

Furnish all materials in accordance with the requirements shown on the plans and in the referenced specifications. See Article 6, "Measurement", Table 1 – Casa View to Hailey Pipeline Relocation at IH 635, in this document.

4. PERMITS, TESTING, AND INSPECTION

- 4.1. **Permits.** Acquire all necessary permits from the NTMWD and the City of Mesquite to perform the work. Please contact the following entities as needed:
- NTMWD: Travis D. Markham, P.E., Water Conveyance Program Manager, (469)626-4724
 - City of Mesquite Department of Public Works: (972)216-6301
- 4.2. **Testing.** Provide testing for water mains in conformance to the referenced NTMWD specifications or as directed by the Engineer. Perform the following testing as minimum: hydrostatic test, poly pigging, and sterilization test.
- 4.3. **Inspection.** The water main and appurtenances will be inspected by a representative of the NTMWD. These representatives' decision of acceptability of the installation will be final. The NTMWD will hold a final inspections according to the referenced specification Section 01 70 00 – Execution and Closeout Requirements.

5. CONSTRUCTION

- Protect the existing NTMWD water main and appurtenances, and all other utility lines and appurtenances within the construction work zone, at all times during the construction. Promptly repair, at no additional cost to the Owner, any damage to the existing NTMWD water main and other utilities and any interruption to services such as line stoppages or breakage caused by the Contractor's operation.
- 5.1. **Specifications.** Perform the work in such a manner consistent with the following attached NTMWD specifications for the work to be performed:

Division 00: General Conditions

- 00 45 16 – Statement of Qualifications

Division 01: General Requirements

- 01 11 00 – Summary of Work
- 01 29 00 – Payment Procedures
- 01 31 00 – Project Management and Coordination
- 01 31 13 – Project Coordination
- 01 31 13.13 – Forms
- 01 33 00 – Submittals
- 01 35 00 – Special Procedures
- 01 40 00 – Quality Requirements
- 01 45 16.16 – Hydrostatic Testing
- 01 70 00 – Execution and Closeout Requirements

Division 31: Earthwork

- 31 23 33 – Trenching and Backfilling
- 31 41 33 – Trench Safety System

Division 33: Utilities

- 33 10 00.13 – Abandonment of Water Mains
- 33 10 13 – Disinfecting Water Utility Distribution Systems
- 33 11 13 – Bar Wrapped Concrete Cylinder Water Pipe and Fittings
- 33 19 13 – Water Main Access Manholes

- 5.2. **Submittals.** Submit shop drawings, samples, certifications, test reports, record data, and other submittals according to the referenced specification Section 01 33 00 – Submittals.

6. MEASUREMENT

Water main replacement items will be measured as follows:

Table 1
Section A: Water

TxDOT Item No.	Description Code	NTMWD Bid Item No.	NTMWD Bid Item Description	NTMWD Spec	Unit
7150	6001	1	BWCCP WATER PIPE (30 IN) CLASS 150)	33 11 13	LF
7150	6002	2	CRUSHED STONE EMBEDMENT	31 23 33	CY
7150	6003	3	CLOSURE SECTION (30 IN)	33 11 13	EA
7150	6004	4	ACCESS MANHOLE (72 IN)	33 19 13	EA
7150	6005	5	WELD EXISTING BWCCP JOINTS (30 IN)	33 11 13	LS
7150	6006	6	HYDROSTATIC TESTING	01 45 16.16	LS
7150	6007	7	ABANDON/REMOVE EXIST BWCCP (30 IN)	--	LF

Other items required to complete the water main replacement work as noted on the plans, including but not necessarily limited to: Trench Excavation Protection; 42-in. Steel Encasement by Jacking, Boring, or Tunneling; Remove Existing 30-in. Bar Wrapped Concrete Cylinder Pipe; Cut and Restore Concrete Paving; Traffic Control; and Erosion Control; will be measured and paid for as provided by in the applicable corresponding TxDOT specification sections.

7. PAYMENT

The work performed and materials furnished in accordance with this Item and measured as provided by 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.