

Special Specification 7197

City of Springtown F.M. 51 Utility Relocation



1. DESCRIPTION

Furnish and install water and sewer pipe, water valves, manholes, fire hydrant assemblies, pipe fittings, and supporting materials in conformance to the City of Springtown requirements and details shown on the plans. Provide testing as necessary, and request inspection of the completed water line prior to being placed in service.

2. MATERIALS

Furnish all materials in accordance with the requirements shown on the plans.

3. CONSTRUCTION

Protect all water and sewer 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/or any interruption to the service such as line stoppages or breakage caused by the Contractor's operation.

3.1. **A. Specifications.** Perform the work in such a manner consistent with current City of Springtown standards and specifications. Reference the following attached Specifications for the work to be performed:

3.2. Division 01: General Requirements

- 01 40 00 – Quality Requirements

3.3. Division 03: Concrete

- 03 30 00.01 – Cast-In-Place Concrete

3.4. Division 31: Earthwork

- 31 05 16 – Aggregate for Earthworks
- 31 11 00 - Clearing and Grubbing
- 31 23 23.33 – Flowable Fill
- 31 23 33 – Trenching and Backfill
- 31 23 33.14 – Trench Safety

3.5. Division 32: Exterior Improvements

- 32 92 13 – Hydro-Mulching

3.6. Division 33: Utilities (City of Springtown)

- 33 05 01.09 – Polyvinyl Chloride (PVC) Pressure Pipe and Fittings
- 33 05 01.13 – Sanitary Sewer Pipe (PVC)
- 33 05 23.33 – Pipeline Crossings
- 33 10 13 – Disinfecting of Water Utility Distribution
- 33 12 19 – Water Utility Distribution Fire Hydrants
- 33 39 13 – Sanitary Utility Sewage Manholes, Frames and Covers

3.7. **Division 40: Process Integration**

- 40 05 61 – Gate Valves

3.8. **C. Testing.** Provide testing for water mains in conformance to the City of Springtown requirements or as directed by the Engineer. Perform the following testing at a minimum:

- Reference Specification - 01 40 00 – Quality Requirements

3.9. **D. Inspection.** All Springtown water and sewer mains and their appurtenances will be inspected as described in Specification 01 40 00 – Quality Requirements.

4. **MEASUREMENTS**

These items will be measured by the linear foot, ton, each or lump sum as follows:

Section A: Water

TxDOT Item No.	Description Code	Bid Item Description	Specifications	Unit
7197	6001	Sanitary Sewer (8in) (PVC) (C900)	33 05 01.13	LF
7197	6002	Casing (Steel) (Sanitary Sewer) (20 in)	33 05 23.33	LF
7197	6003	Manhole (San Sewer) (4' dia)	33 39 13	EA
7197	6004	Asphalt Pavement Replacement	See Transportation Spec	LF
7197	6005	Gravel Drive Replacement	See Transportation Spec	LF
7197	6006	Shrub Planting and Removal	31 11 00	EA
7197	6007	Tree Protection	31 11 00	EA
7197	6008	Cut and Plug Existing Sanitary Sewer Line	-	EA
7197	6009	Connect to Existing Sanitary Sewer Line	33 05 01.13	EA
7197	6010	Plug and Abandon San Sewer (6in)	-	EA
7197	6011	Remove Existing Sewer Line 2"-12"	-	LF
7197	6012	6" Gate Valve	40 05 61	EA

7197	6013	8" Gate Valve	40 05 61	EA
7197	6014	Water Main Pipe (PVC) (6in)	33 05 01.09	LF
7197	6015	Water Main Pipe (PVC) (8in)	33 05 01.09	LF
7197	6016	Casing Steel (20in)	33 05 23.33	LF
7197	6017	FH Assm (New)	33 12 19	EA
7197	6018	Connect to Existing Water Lines	33 05 01.09	EA
7197	6019	Service Line (Short Side) (1-1/2" to 2")	33 05 01.09	EA
7197	6020	Trench Safety	31 23 33.14	LF
7197	6021	Bypass Pumping	-	LS
7197	6022	Sanitary Sewer (6in) (PVC) (C900)	33 05 01.13	LF
7197	6023	Sanitary Sewer (10in) (PVC) (C900)	33 05 01.13	LF
TxDOT Item No.	Description Code	Bid Item Description	Specifications	Unit
7197	6024	CUT AND PLUG EX WATER MAIN	-	EA
7197	6025	CASING (STEEL) (20 IN) (OPEN TRENCH)	-	LF
7197	6026	CASING (STEEL) (20 IN) (BORE)	-	LF
7197	6027	CONNECTION TO EXISTING MANHOLE	-	EA
7197	6028	STD DROP CONNECT TO EXISTING MANHOLE	-	EA
7197	6029	CONSTRUCT 4' WASTEWATER STD DROP MANHOLE	-	EA
7197	6030	CONSTRUCT 5' WASTEWATER MANHOLE	-	EA
7197	6031	CONSTRUCT 5' WASTEWATER STD DROP MANHOLE	-	EA
7197	6032	EPOXY MANHOLE LINER	-	LF
7197	6033	MANHOLE EXTERNAL DROP CONNECTION	-	EA
7197	6034	VACUUM EXCAVATION	-	HR
7197	6035	FH ASSM (OWNER PROVIDED)	-	EA
7197	6036	INSTALL TEMP WTRLN,2" DIA,COMPLETE IN PLC	-	LF
7197	6037	REMOVE TEMP WTRLN,2" DIA	-	LF
7197	6038	REMOV ASBESTOS CEMENT WATERLINE	-	LF

7197	6039	REMOVE EXIST WATER PIPE (2")	-	LF
7197	6040	REMOVE EXIST WATER PIPE (6")	-	LF
7197	6041	REMOVE EXISTING WASTEWATER MANHOLES	-	EA
7197	6042	6" WTR LN (BORE)	-	LF
7197	6043	6" CUT-IN VALVE	-	EA
7197	6044	6" WTR LN FITTINGS	-	EA
7197	6045	WTR FITTING(BEND)(6")(45 DEG)	-	EA
7197	6046	8" WTR LN (BORE)	-	LF
7197	6047	8" CUT-IN VALVE	-	EA
7197	6048	8" WTR LN FITTINGS	-	EA
7197	6049	WTR FITTING (TEE)(8"X 8")	-	EA
7197	6050	WTR FITTING(BEND)(8")(11.25 DEG)	-	EA
7197	6051	WTR FITTING(BEND)(8")(22.5 DEG)	-	EA
7197	6052	WTR FITTING(BEND)(8")(45 DEG)	-	EA
7197	6053	WTR FITTING(BEND)(8")(90 DEG)	-	EA
7197	6054	WTR FITTING(BEND)(8")(90 DEG)	-	EA
7197	6055	WTR FITTING(REDCER)(8" X 6")	-	EA
7197	6056	WTR FITTING(TEE)(8" X 6")	-	EA

5. PAYMENT

The work performed and materials furnished in accordance to each bid item above will be provided under "Measurement and Payment" sections of each technical specification will be paid for at the unit price bid. This price is for full compensation for furnishing all labor, tools, equipment, testing, and incidentals necessary to satisfactorily complete the work as detailed on the plans including excavation, embedment, and backfill.