

Special Specification 7191

8-Inch & 12-Inch Water Main Relocations And Routine Appurtenance Adjustments



1. DESCRIPTION

Furnish and install all materials, equipment, and labor listed in the "SPECIFICATIONS FOR WATER AND WASTEWATER MAIN REPLACEMENTS AND ADJUSTMENTS IN GARLAND RD (STATE HIGHWAY 78). FROM TRANQUILLA DRIVE TO NORTHWEST HIGHWAY (SPUR 244), CONTRACT NO. 15-025F/15-026F, WATER UTILITIES DEPARTMENT, CITY OF DALLAS, TEXAS" herein known as the Document and all materials shown on the plans.

An electronic copy of the Document is available at <ftp://ftp.dallascityhall.com/>, listed under the DWU Contract Number at no charge. A paper copy of the Document can be obtained at the Dallas Water Utilities Department, 2121 Main St. #500, Dallas, Texas 75201, Telephone (214) 671-9527.

2. MATERIALS

Install piping systems using the materials designated on the plans and in details shown for each particular system. Furnish materials so designated in accordance with all material requirements of the attached Document.

3. CONSTRUCTION

Perform work in a manner consistent with the Document and the following Specifications, Addendums and Standards necessary to perform the work:

- A. The General Specifications (Standard Specifications for Public Works Construction – North Central Texas Council of Governments - Fourth Edition - 2004) – A copy of the Standard Specifications for Public Works Construction may be obtained from the North Central Texas Council of Governments, 616 Six Flags Drive, Arlington, Texas, Telephone (817) 640-3300.
- B. City of Dallas ADDENDUM to the Public Works Construction – North Central Texas Council of Governments – Fourth Edition – 2004, Latest Edition – A copy of the City of Dallas ADDENDUM to the NCTCOG General Specifications can be obtained at http://dallascityhall.com/departments/waterutilities/Pages/dwu_design_standards.aspx
- C. Part "T" Technical Specifications (where this part is required). A copy of the DWU Standard Technical Specifications for Water and Wastewater Construction, Latest Edition can be obtained at http://dallascityhall.com/departments/waterutilities/Pages/dwu_design_standards.aspx
- D. Dallas Water Utilities Standard Drawings, Latest Edition – A copy of the City of Dallas Standard Drawings can be obtained at http://dallascityhall.com/departments/waterutilities/Pages/dwu_design_standards.aspx
- E. Occupational Safety and Health Standards - Excavations, 29 CFR Part 1926; effective January 2, 1990 (or Latest Edition).
- F. A revised copy with Ordinance 29993 attached amending the Department of Public Works and Transportation Pavement Cut and Repair Standards Manual may be purchased from the Office of the Director of Public Works and Transportation, Public Works and Transportation Department, 320 E. Jefferson Boulevard, Room 102, Dallas, Texas 75203.

- G. A copy of the Department of Public Works and Transportation Standard Construction Details 251D; September, 2002 or latest edition.
- H. A copy of the Department of Public Works and Transportation Pavement Cut and Repair Standards Manual, Standard Construction Details, and Addendum to North Central Texas Standard Specification for Public Works Construction may be purchased from the Office of the Director of Public Works and Transportation, Public Works and Transportation Department, 320 E. Jefferson Boulevard, Room 102, Dallas, Texas 75203..

4. MEASUREMENT

This item will be measured as follows and as explicitly detailed in the Document:

| Table 1 - Pay Items | | | | |
|---------------------|------------------|--------------|---|------|
| TxDOT Item No. | Description Code | DWU Item No. | Description | Unit |
| 7191 | 6001 | 1800HP | 6" PVC WATER PIPE W/PAVING | LF |
| 7191 | 6002 | 1800JP | 8" PVC WATER PIPE W/PAVING | LF |
| 7191 | 6003 | 1800LP | 12" PVC WATER PIPE W/PAVING | LF |
| 7191 | 6004 | 3110JP | 8"PVC PRES RATED WASTEWTR PIPE W/PAVING | LF |
| 7191 | 6005 | 5020 | CAST IRON FITTINGS | TON |
| 7191 | 6006 | 5050 | WATER SERVICE | EA |
| 7191 | 6007 | 5061FxE | 4" DOMESTIC SERV W/3" METER & TRANSFER | EA |
| 7191 | 6008 | 5062HxH | 6"CLOSE FRLNE SRV W/6"DET CH DEV&TRANSF | EA |
| 7191 | 6009 | 5080 | RECONNECT EXISTING WATER SERVICE | EA |
| 7191 | 6010 | 5091 | INSTALL FIRE HYDRANT | EA |
| 7191 | 6011 | 5092 | REMOVE EXISTING FIRE HYDRANT | EA |
| 7191 | 6012 | 5093 | DELIVER FIRE HYDRANT | EA |
| 7191 | 6013 | 5100H | 6" GATE VALVE | EA |
| 7191 | 6014 | 5100J | 8" GATE VALVE | EA |
| 7191 | 6015 | 5100L | 12" GATE VALVE | EA |
| 7191 | 6016 | 5130J | 8" CUT-IN VALVE | EA |

| | | | | |
|------|------|-------|--|----|
| 7191 | 6017 | 5130L | 12" CUT-IN VALVE | EA |
| 7191 | 6018 | 5600 | CUT AND PLUG EX WATER MAIN | EA |
| 7191 | 6019 | 5600P | CUT AND PLUG EX WATER MAIN WITH PAVING | EA |
| 7191 | 6020 | 5770H | STANDARD 6" WATER MAIN LOWERING | EA |
| 7191 | 6021 | 5770J | STANDARD 8" WATER MAIN LOWERING | EA |
| 7191 | 6022 | 5770L | STANDARD 12" WATER MAIN LOWERING | EA |
| 7191 | 6023 | 5770Q | STANDARD 16" WATER MAIN LOWERING | EA |
| 7191 | 6024 | 6060 | WASTEWATER LATERAL | EA |
| 7191 | 6025 | 6245H | 6" DIAMETER TREE | EA |
| 7191 | 6026 | 6925 | TRENCH EXCAVATION SAFETY & SUPPORT | LF |
| 7191 | 6027 | 7030 | ROCK FOUNDATION | CY |
| 7191 | 6028 | 7041 | FLOWABLE BACKFILL | CY |
| 7191 | 6029 | 7050 | SAND BACKFILL | CY |
| 7191 | 6030 | 7053 | CEMENT STABILIZED SAND BACKFILL | CY |
| 7191 | 6031 | 7071 | CLASS "B" CONCRETE | CY |
| 7191 | 6032 | 7730 | DISPOSAL OF HVY CHLORINATED WATER | LS |
| 7191 | 6033 | 20300 | ADJUST AND/OR RELOCATE WATER METER BOX | EA |
| 7191 | 6034 | 20330 | ADJUST WATER VALVE COVERS & STACKS | EA |
| 7191 | 6035 | 20340 | ADJUST WASTEWATER LATERAL CLEANOUT | EA |
| 7191 | 6036 | 20350 | ADJUST WASTEWATER MAINLINE CLEANOUT | EA |
| 7191 | 6037 | 20360 | ADJUST WASTEWATER MANHOLE | EA |
| 7191 | 6038 | 20430 | INSTALL FIRE HYDRANT EXTENSION | EA |
| 7191 | 6039 | 20440 | REMOVE FIRE HYDRANT EXTENSION | EA |
| 7191 | 6040 | 20450 | ADJ LARGE WTR SVC COVER AND FRAME | EA |
| 7191 | 6041 | 20500 | INVESTIGATION | EA |
| 7191 | 6042 | 20540 | ALTER WATER VALVE COVERS & STACKS | EA |

| | | | | |
|------|------|-------|--|----|
| 7191 | 6043 | 20550 | ALTER WASTEWATER MAINLINE CLEANOUT | EA |
| 7191 | 6044 | 20560 | ALTER WASTEWATER MANHOLE | EA |
| 7191 | 6045 | 20652 | ADJUST/RELOCATE NEW FIRE HYDRANT | EA |
| 7191 | 6046 | 20700 | ADJUST EXISTING WASTEWATER LATERAL | EA |
| 7191 | 6047 | 5520L | 12" WATER HIGHWAY CROSSING (BY OPEN CUT) | LF |

5. PAYMENT

The work performed with this Item and measured as provided under "Measurement" will be paid for at the unit price bid for the various items of work. These prices will be full compensation for furnishing all labor, tools, equipment and incidentals necessary to satisfactorily complete the work prescribed in the Document and as detailed on the plans.

Miscellaneous ductile iron fittings required to complete the work will not be paid for directly, but will be subsidiary to this Item unless otherwise shown in the plans. Water line sterilization and testing of the completed water main system will not be paid for directly, but will be subsidiary to this Item unless otherwise shown on the plans.