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# Special Provision to Special Specification 7049

## Water Mains

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Special Specification 7049 "Water Mains," is amended with respect to the clauses cited below. No other clauses or requirements of this Item are waived or changed.

**Article 2. "Materials,"** is supplemented by the following:

- 2.1.1. **City of Houston Requirements:** Provide materials used in this project that are new and unused unless otherwise specified on the plans, specifications, or the proposal. The City of Houston Standard Specifications and lists of approved products are available on the City's website <https://edocs.publicworks.houstontx.gov/engineering-and-construction.html>. Contractors may, when appropriate, use products that are specified in these documents; however, a Submittal is still required that clearly indicates the applicable Specification. Products (including Approved Products) are subject to review and approval by the Engineer of Record before use on City's projects.

**Article 2.3.1., "Ductile-Iron Pipe,"** the first paragraph is replaced by the following:

- 2.3.1. **Ductile-Iron Pipe.** Provide ductile-iron pipe conforming to the requirements of AWWA C115, C150 and C151 and bearing the mark of Underwriters' Laboratories approval. Unless otherwise shown on the plans, use a minimum Pressure Class 250 for water lines less than or equal to 20-in diameter. Use minimum Pressure Class 350 for water lines in casing or trenchless construction and for flanged pipe. Provide minimum lengths of 18 ft. Use joints of the push-on type or flanged type unless otherwise shown on the plans. Do not use threaded or grooved type joints which reduce the pipe wall thickness below the minimum required.

**Article 2.3.3., "Restrained Joints,"** the first paragraph is replaced by the following:

- 2.3.3. **Restrained Joints.** For buried services, restrain ductile iron pipe 12 in. diameter and larger from movement, using special joints. Provide the following or approved equal:

**Article 3.12., "Valves and Fire Hydrants"** is supplemented by the following:

- 3.12.1. **Cut-in Gate Valves.** The work involved in installing a valve into an existing main under pressure is to consist of excavation and backfilling with approved selected material; hauling and disposition of surplus excavation and other materials; installation of the valve, valve box assembly, thrust blocking; polyethylene wrapping where required.

**Article 4.6., "Gate Valves, Tapping Sleeves and Valves, and Butterfly Valves,"** is supplemented by the following:

- 4.6.1. **Cut-in Gate Valve and Box (Complete)** will be measured as each assembly of the various sizes installed to finished grade.

**Article 5.6., "Gate Valves, Tapping Sleeves and Valves, and Butterfly Valves"** is supplemented by the following:

- 5.6.1. **Cut-in Gate Valve and Box (Complete).** Payment for cut-in gate valve will be made at the unit price bid for "Cut-in Gate Valve" of the various sizes specified, with the valve box installed.