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# Special Provision to Special Specification 7017

## Sanitary Sewers

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Special Specification 7017 "Sanitary Sewers," is amended with respect to the clauses cited below. No other clauses or requirements of this Item are waived or changed.

**Article 2.2.2, "Force Mains,"** is supplemented by the following:

- 2.2.2.1 **Restrained Joint Pipe and Fittings (RJ).** Provide restrained joints for pipe and fittings that are either internal bell locking type, external mechanical type, or a combination of both, and are corrosion resistant and compatible with both pipe and fitting materials. Ensure restrained joints provide thrust restraint for plug, tee, and bend fittings rated for 150 psi minimum pipe pressure in accordance with the manufacturer's published specifications and product data.

**Article 5.1, "Sanitary Sewers,"** is supplemented by the following:

- 5.1.1. **Sanitary Sewer Force Mains** will be measured by the foot, of the various sizes, types, and wall thickness (if applicable), of sanitary sewer force main specified, complete in place, tested and accepted by the Engineer. Sanitary sewer force main will be measured by plan dimension along the centerline of pipe, for the limits indicated on the plans, with additional pipe length due to vertical offsets and vertical deflections incidental.

Horizontal and vertical ductile-iron (Class 52) fittings and pipe couplings are subsidiary to this item.

- 5.1.2. **Sanitary Sewer Force Mains (RJ)** with restrained joint pipe and fittings that include either internal, external, or combination of mechanically restrained joints throughout the pipeline lengths will be measured by the foot, of the various sizes, types, and wall thickness (if applicable), complete in place, tested and accepted by the Engineer. Sanitary Sewer Force Main (RJ) will be measured by plan dimension along the centerline of pipe, for the limits indicated on the plans, with additional pipe length due to vertical offsets and vertical deflections incidental.

Horizontal and vertical restrained joint ductile-iron (Class 52) fittings and restrained joint pipe couplings are subsidiary to this item.

**Article 5.3, "Manholes,"** is supplemented by the following:

- 5.3.1. **Pig Launch and Recover Manholes** will be measured by each manhole of the size specified, including interior valves, fittings, piping, and appurtenances indicated on the plans, complete in place.
- 5.3.2. **Manhole Drops** will be measured by each of the pipe size specified for all drop depths, including fittings, drop piping, manhole connections and appurtenances indicated on the plans, complete in place.

**Article 6.1, "Sanitary Sewers,"** is supplemented by the following:

- 6.1.1. **Sanitary Sewer Force Mains.** Payment for sanitary sewer and sanitary sludge force mains will be made at the unit price bid for "Sanitary Sewer (FM)" of the various sizes, types (material, specification and/or joints), and wall thickness (if applicable) specified, complete in place.

**Article 6.3, Manholes,"** is supplemented by the following:

- 6.3.1. **Pig Launch and Recover Manholes.** Payment for pig launch and recover manholes will be made at the unit price bid for "Manhole (San Sew) (Pig Launch)" of the size specified. Rings, covers, steps, interior valves, fittings, piping, and appurtenances are subsidiary to this bid item.

- 6.3.2. **Manhole Drops.** Payment for manhole drops will be made at the unit price bid for "Manhole Drop (San Sew)" of the drop pipe size specified. Piping, fittings, connectors and appurtenances are subsidiary to this bid item.