
Special Provision to Special Specification 7016

Water and Sanitary Sewer Systems



Special Specification 7016 "Water and Sanitary Sewer Systems," is amended with respect to the clauses cited below. No other clauses or requirements of this Item are waived or changed.

Article 12.1., "Description," is voided and replaced by the following:

Furnish all labor, materials, equipment and incidentals required to construct steel or high density polyethylene pipe casings and install approved carrier pipes within the casing of various sizes including all necessary field welding, thermal butt-fusion, carrier pipes and accessories as shown on the plans and as specified herein.

Article 12.2., "Materials," is voided and replaced by the following:

Furnish new, unused steel casing pipe suitable for the purpose intended with a minimum yield strength of 36,000 psi. Provide casing that meets ASTM A-53 or approved equal requirements. Coat and line pipe with coal tar epoxy (15 mils min.) in accordance with AWWA C-210. Weld pipe joints in accordance with AWWA C-206. After pipe is welded, repair coating and lining. Unless specified otherwise, provide the steel casing pipe with a minimum wall thickness of 5/16 inches. Provide required vent piping, casing insulators (casing insulated spacers), end seals, pipe supports and skids, and other incidental features required to complete work described in this section and as shown on the plans.

Construct tunnel liner of cold-formed steel plates of the sizes, thickness, and dimensions required, as indicated on the plans, and as manufactured by Commercial Shearing, Contech, or equal.

Provide welded half coupling grout holes. Provide tapped holes with a pipe plug screwed in place.

Provide bolts and nuts with liner plates that are not less than 1/2 inch diameter and conform to ASTM A-307 Grade A.

Where shown on the plans, furnish high density polyethylene pipe (HDPE) casings meeting the requirements of ASTM D 3350 with a material designation code of PE3608 or higher, a minimum cell classification of PE345464C, and a dimension ratio (DR) of 11. Provide the HDPE pipe with outside diameters based on the ductile iron pipe size (DIPS) sizing system. Assemble and join the HDPE pipe casing at the site using the thermal butt-fusion method as outlined in ASTM F 2620. Ensure all butt-fusion equipment and procedures comply with the pipe manufacturer's recommendations. Ensure personnel certified as fusion technicians by a manufacturer of polyethylene pipe and/or fusing equipment perform all fusing. Remove all weld beads from the inside of the cooled pipe to create a smooth joint surface. All joints require the Engineer's acceptance. Mark all HDPE casings by providing metallic tracer tape meeting the requirements of Article 3.2.1.9.4 and Article 8.3.3.

Article 12.5., "Payment," is voided and replaced by the following:

The work performed and the materials furnished in accordance with this Item and measured as provided under "Measurement" will be paid for at the unit price bid for "Casing" of the type, size and installation method specified. This price is full compensation for coordination; excavation; disposal of excess material; grouting; backfilling; compaction; compaction testing for utilities; furnishing and installing the approved carrier pipe, precautionary outlet with bonnet box, and accessories as per specifications and standard details by means of open cut (where indicated), and bore and jacking methods (where indicated), welding, thermal butt-fusion, furnishing and installing steel casing insulators, and all appurtenances described herein to include, but not limited to the following items: locating, protecting, supporting, relocating if required, and repairing damage to any utilities or structures encountered in the process of the work, dewatering and disposal for water where required, paving cut, removal and repair as needed, traffic control plan, excavation for bore pits, and all other items of the project not indicated as being covered under the other specific bid items shown on the Proposal. Such payment is complete compensation for the complete performance of the work in accordance with the plans and the provisions of these specifications.