

PART 307 – PIPE, DUCTILE IRON

- 307.1 The work under this item shall include furnishing, delivery, placing, and jointing of ductile iron pipe in the trench in specific conformity with the lines and levels given. All ductile iron pipes shall be wrapped with a loose-fitting, slip-on polyethylene film. The polyethylene film shall be slipped over the end of the pipe length that has been raised above the ground at the trench side. After the joint on the pipe is made up, the 1-foot length shall be slipped over the joint to form an over-or-under lap of the adjacent polyethylene tube at this point. The loosely-fitting film shall then be neatly folded over the top of the joint and held in place with tape. The loosely-fitting tube extending along the pipe shall be drawn up snugly and folded along the top and held in place by using short pieces of plastic tape at intervals not to exceed 4 feet. Fittings, valves, and corporation stops shall be wrapped with a section of polyethylene material split to form a flat sheet, using plastic tape to hold the material around the appurtenance. For AWWA C151 ductile iron pipe, the current edition of ANSI/AWWA C600 Installation of Ductile-Iron Mains and Their Appurtenances, and the current edition of AWWA Manual M41 shall govern the installation as applicable. The method of bedding shall be as shown on the Standard Details.
- 307.2 For water lines, all angled fittings, or specials included as pipe shall be restrained or blocked in accordance with Standard Details, and / or as determined by the Engineer.
- 307.3 Detectable Mylar marking tape for location of DIP water pipe shall be required. Detectable Mylar marking tape shall be 2" wide, blue in color with a continuous black lettered imprint stating, "Caution: Water Line Below". Tape shall be equal to Lineguard Tape III as manufactured by Lineguard, Inc. of Wheaton, Illinois.
- 307.4 Detectable Mylar tape shall be buried above DIP water lines at a depth of 10" below the surface.
- 307.5 Payment: Payment for this item shall be made at the unit price bid per linear foot of pipe of the type specified in the Proposal and placed as shown on the Drawings. Total footage shall be the actual horizontal measurement along the centerline of the pipe. No additional payment shall be made for vertical pipe or fittings used with drop manholes, for fittings or specials included as pipe, interior coatings, or for concrete blocking. Payment for any ductile iron pipe designated "restrained joint" shall include cost of all components necessary to restrain joints of pipe.