

SECTION 3120 - DUCTILE IRON GRAVITY SEWER PIPE

PART 1 - GENERAL

1.1 SCOPE OF WORK:

Provide all labor, materials, equipment and services required for furnishing and installing all piping and appurtenances specified herein.

1.2 RELATED WORK SPECIFIED ELSEWHERE:

- A. Trench Excavation: Section 3720
- B. Bedding and Backfill: Section 3730

PART 2 - PRODUCTS

2.1 DUCTILE IRON PIPE:

- A. Ductile iron pipe shall conform to the current requirements of AWWA C151, Pressure Class 350, with push-on joints unless otherwise noted on drawings.
- B. The interior of the pipe shall be lined in accordance with the requirements of Section 3240. The exterior of all pipe, unless otherwise specified, shall receive either coal tar or asphaltic coating a minimum of 1 mil thick.
- C. Each piece of pipe shall bear the manufacturer's name or trademark, the year in which it was produced and the letters "DI" or the word "DUCTILE". Pipe manufacturer shall furnish notarized certificate of compliance to the above AWWA specifications. Fittings shall be ductile iron and rated for a minimum of 250 psi in accordance with the current requirements of AWWA C110 (ANSI A21.10) shown therein. Fittings shall have mechanical joints meeting the current requirements of AWWA C111 (ANSI A21.11). Fittings shall have interior lining in accordance with Section 3240. Compact ductile iron fittings meeting the current requirements of AWWA C153 will also be acceptable.
- D. Provide AWWA C110 mechanical joint plugs and locked or restrained pipe joints where indicated on drawings. Fittings shall be mechanical joint with MegaLug glands or equal.
- E. The cleaning and assembly of pipe and fitting joints shall be in accordance with the manufacturer's recommendations.
- F. No sewers shall exceed 25 feet in depth without the approval of the Director of the Department of Environmental Services.

PART 3 - BASIS OF PAYMENT

Payment for ductile iron gravity sewer lines of the different sizes at the various depths of cut will be made at the contract unit price per linear foot in place, which price will include compensation for furnishing pipe, all trenching (including rock excavation), bedding, laying, jointing, testing, backfilling, surface restoration (except pavement replacement) connections to new manholes, and all plugs as required. The depth of cut to be paid for shall be measured from the existing ground surface at the top of the trench to the invert of the sewer line. The quantity of sewer to be paid for shall be the length of pipe measured along the centerline of the completed pipeline without deducting the length of branches, fittings and manhole inverts. Connections of existing sewers to new sewers will be incidental to this pay item.

END OF SECTION