

**ITEM 11603.9532 M - DUCTILE IRON PIPE, 305 MM DIAMETER (NYC)**  
**ITEM 11603.9536 M - DUCTILE IRON PIPE, 406 MM DIAMETER (NYC)**  
**ITEM 11603.9538 M - DUCTILE IRON PIPE, 508 MM DIAMETER (NYC)**  
**ITEM 11603.9544 M - DUCTILE IRON PIPE, 610 MM DIAMETER (NYC)**

**DESCRIPTION:** This work shall consist of the construction of ductile iron pipe storm drains in accordance with this specification and the contract plans.

**MATERIALS:** Ductile iron pipe shall be Class 56 unless otherwise indicated and meet the requirements of ANSI A21.51. Pipe shall be centrifugally cast Ductile Iron Pipe. 60-42 -10 grade cement lined in accordance with ANSI A21.51. Laying lengths shall not exceed six (6) meters. All outside surfaces of ductile iron pipes shall be cement lined in accordance with ANSI specification A21.4. All outside surfaces of ductile iron pipe shall be shop-coated with an approved bituminous enamel applied hot in conformity with AWWA specification 203.

Joints shall be of the restrained push-on type and shall be in accordance with ANSI specification A21.11. The joint shall provide a positive axial lock between the two pipe segments joined. For each bell, there shall be furnished a rubber gasket. Restrained push on joints shall be the TRFlex Joint of U.S. Pipe and Foundry Company, The Flex Ring Joint of the American Cast Iron Company, The Snap Lok Joint of Amslead Industries or approved equal.

Ductile Iron Pipe shall be accepted on the basis of the Manufacturer's certification that the material conforms to the requirements of this specification. The certification shall accompany the material delivered on the job site.

**CONSTRUCTION DETAILS:** Pipe shall be laid on a cast-in-place concrete cradle as shown on the details in the drawings. Pipe joints shall be restrained push-on type and shall be installed in accordance with the manufacturer's instructions for assembling pipe. All other requirements of Subsection 605-3 "Construction Details" of the Standard Specifications (Metric Edition) shall apply.

**METHOD OF MEASUREMENT:** The quantities of Ductile Iron Pipe to be measured for payment shall be the number of linear meters of each size of pipe furnished and incorporated in the work, measured horizontally along the center line of pipe from inside face of drainage structure to inside face of drainage structure

**BASIS OF PAYMENT:** The requirements of Subsection 603-5 "Basis of Payment" of the Standard Specifications (Metric Edition) shall apply. The concrete cradle shall be paid for separately under item 555.0104 M Footing Concrete, Class "A".