

**ITEM 11603.9516 M – DUCTILE IRON PIPE ON CRUSHED STONE BEDDING**  
**406mm 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 inside 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 Amstead 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 to the job site.

Broken stone shall be hard, unweathered stone uniformly graded from 6 to 19 mm diameter and shall conform to the requirements of Subsection 703-02 of the Standard Specifications, (Metric Edition).

**CONSTRUCTION DETAILS**

Pipe shall be laid on a bed of compacted stone for the full trench width to the limits shown on the details of 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 603-3 "Construction Details" of the Standard Specifications (Metric Edition) shall apply.

**METHOD OF MEASUREMENT**

The quantities of Ductile Iron Pipe on Crushed Stone Bedding to be measured for payment shall be the number of linear meters of each sized measured horizontally along the center line of sewer from inside face of manhole to inside face of manhole.

**BASIS OF PAYMENT**

The requirements of Subsection 603-5 "Basis of Payment" of the Standard Specifications (Metric Edition) shall apply. The broken stone bedding shall be paid for separately under Item 623.13 M Crushed Stone.