

**ITEM 604.0501 11 - NYC STANDARD MANHOLE TYPE D-1**

**DESCRIPTION**

This work shall consist of furnishing and installing NYC STANDARD MANHOLE TYPE D-1 in accordance with the contract documents and as directed by the Engineer.

**MATERIALS**

Section 604-2.01 of the Standard Specifications (Metric Edition) shall apply with the following modification.

Manholes shall be built of Cast-in-Place Concrete - Class "A" or rectangular Precast Reinforced Concrete Manhole Units.

**CONSTRUCTION DETAILS**

Section 604-3.01, 3.02, 3.05 and 3.11 of the Standard Specifications (Metric Edition) shall apply.

Manholes shall be as shown on the following New York City Department of Environmental Protection SEWER DESIGN STANDARDS, (October 1997 or later).

Page	Drawing Description
18	STANDARD FOR MANHOLE ON 1676.4MM DIA TO 2438.4MM DIA. PIPE SEWERS TYPE D-1 (3.70 METERS MAX DEPTH) AND TYPE D-2 (7.60 METERS MAX DEPTH)
19	STANDARD FOR MANHOLE ON 1676.4MM DIA TO 2438.4MM DIA. PIPE SEWERS ON PILES TYPE D-1 (3.70 METERS MAX DEPTH) AND TYPE D-2 (7.60 METERS MAX DEPTH)
35	STANDARD FOR REMOVABLE PRECAST REINFORCED CONCRETE SLAB

**METHOD OF MEASUREMENT**

This work will be measured for payment as the number of meters of NYC STANDARD MANHOLE TYPE D-1 satisfactorily furnished and installed.

**BASIS OF PAYMENT**

The unit price bid shall include the cost of furnishing all labor, materials, and equipment necessary to satisfactorily complete the work, except as follows:

- A. Necessary excavation will be paid for under Trench and Culvert excavation.
- B. Frames, covers, and gratings will be paid for under the appropriate items.
- C. Excavation protection systems, if necessary, will be paid for under their appropriate items.

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D. Bar reinforcement (except in reinforced concrete pipe and precast reinforced concrete units) will be paid for under Uncoated Bar Reinforcement for Concrete Structures.