

ITEM 11604.0485 M - NYC STANDARD MANHOLE TYPE A-1
ITEM 11604.0486 M - DROP PIPE MANHOLE (N.Y.C)

DESCRIPTION

This work shall consist of the construction of manholes - Type A-1 (NYC) and Drop Pipe Manholes (NYC) at the locations shown on the plans or as directed by the Engineer.

MATERIALS:

Section 604-2.01 of the Standard Specifications (Metric Edition) shall apply with the following modification and an addition:

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), except that concrete cradles and encasement for pipes will not be required.

Page	Drawing Description
11	STANDARD FOR MANHOLE ON 203 mm DIA TO 838 mm DIA PIPE SEWERS IN DRY LOCATION, TYPE A-1 (3.70 METERS MAX DEPTH). TYPE A-2 (7.60 METERS MAX. DEPTH)
35	STANDARD FOR REMOVABLE PRECAST REINFORCED CONCRETE SLAB.
24	STANDARD FOR DROP PIPE MANHOLE (TYPE I) ON 254 mm DIA TO 610 mm DIA PIPE SEWERS
36 DROP	STANDARD FOR REMOVABLE PRECAST REINFORCED CONCRETE SLAB FOR PIPE MANHOLE (TYPE I)

METHOD OF MEASUREMENT

The quantity to be paid for will be the number of linear meters of height measured to the nearest tenth of a meter from the bottom of the base to the top of the masonry.

BASIS OF PAYMENT

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

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- A. Necessary excavation will be paid for under Trench and Culvert excavation.
- B. Bar reinforcement (except in reinforced concrete pipe and precast reinforced concrete units) will be paid for under Uncoated Bar Reinforcement for Concrete Structures.
- C. Frames, covers, and gratings will be paid for under the appropriate items.
- D. Safe operation and temporary steel sheet piling, if necessary, will be paid for under their appropriate items.