

ITEM 15603.99XX M - POLYVINYL CHLORIDE GRAVITY SEWER PIPE

DESCRIPTION:

The work shall consist of furnishing and installing a polyvinyl chloride sanitary sewer and appurtenances at the locations indicated on the plans and in accordance with these specifications, or as directed by the Engineer.

MATERIALS:

Sizes from 100mm to 375mm Diameter

Pipe: The pipe and fittings furnished shall meet the requirements of ASTM D3034-SDR35.

Joints: All joints shall be the push-on type constructed with a locked in elastomeric seal to provide a tight flexible seal in accordance with ASTM D-3212.

Sizes from 450mm to 900mm.

Pipe and fittings shall meet the requirements of ASTM F-679.

Joints: All joints shall be the push-on type constructed with a locked in elastomeric seal meeting the requirements of ASTM F477 and provide a tight flexible seal in accordance with ASTM D3212.

Sizes from 100mm to 900mm.

Lubricant: The lubricant used for assembly shall have no detrimental effect on the gasket or on the pipe.

Basis of Acceptance: Acceptance of all pipe and fittings shall be based on the manufacturer's certification of compliance with these specification requirements. The Department reserves the right to sample and test delivered material.

CONSTRUCTION DETAILS:

The pipe is to be installed to the line and grade, and in accordance with the details and notes in the contract documents.

Polyvinyl chloride will deteriorate from exposure to ultraviolet radiation. Deterioration will be evidenced by a color change.

All pipe and joint material shall be thoroughly inspected by the Engineer prior to installation. Any material found to be defective in manufacture or damaged in handling shall be removed immediately from the work site, and new material of acceptable quality shall be furnished by the Contractor.

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All joints shall be installed in accordance with the manufacturer's recommendations. The Contractor shall provide the Engineer with a copy of the manufacturer's instructions for installing joint material, at least two weeks prior to installation.

Any pipe fittings damaged during installation shall be replaced at no extra cost to the Department.

METHOD OF MEASUREMENT:

The quantity to be paid for under this item shall be the number of linear meters (laying length) of polyvinyl chloride sewer pipe furnished and installed in accordance with the plans, specifications and/or as ordered by the Engineer.

BASIS OF PAYMENT:

The unit price per linear meter shall include the cost of all labor, materials and equipment necessary to complete the work. Excavation and backfill shall be paid under their respective items in accordance with the details shown on the plans.

Payment will be made under:

ITEM NO.

ITEM DESCRIPTION

15603.9921 M - Polyvinyl Chloride Pipe, Sanitary Sewer Gravity, 100 mm Dia.	Meter
15603.9922 M - Polyvinyl Chloride Pipe, Sanitary Sewer Gravity, 150 mm Dia.	Meter
15603.9923 M - Polyvinyl Chloride Pipe, Sanitary Sewer Gravity, 200 mm Dia.	Meter
15603.9924 M - Polyvinyl Chloride Pipe, Sanitary Sewer Gravity, 250 mm Dia.	Meter
15603.9925 M - Polyvinyl Chloride Pipe, Sanitary Sewer Gravity, 300 mm Dia.	Meter
15603.9926 M - Polyvinyl Chloride Pipe, Sanitary Sewer Gravity, 375 mm Dia.	Meter
15603.9927 M - Polyvinyl Chloride Pipe, Sanitary Sewer Gravity, 450 mm Dia.	Meter
15603.9928 M - Polyvinyl Chloride Pipe, Sanitary Sewer Gravity, 525 mm Dia.	Meter
15603.9929 M - Polyvinyl Chloride Pipe, Sanitary Sewer Gravity, 600 mm Dia.	Meter
15603.9930 M - Polyvinyl Chloride Pipe, Sanitary Sewer Gravity, 675 mm Dia.	Meter
15603.9931 M - Polyvinyl Chloride Pipe, Sanitary Sewer Gravity, 750 mm Dia.	Meter
15603.9932 M - Polyvinyl Chloride Pipe, Sanitary Sewer Gravity, 825 mm Dia.	Meter
15603.9933 M - Polyvinyl Chloride Pipe, Sanitary Sewer Gravity, 900 mm Dia.	Meter