

**SUPERSEDED BY EB 21-057
EFFECTIVE 11/24/21**

ENGINEERING INSTRUCTION

NEW YORK STATE DEPARTMENT OF TRANSPORTATION

SUBJECT: ABS SEWER PIPE

Subject Code: 7.27-1-603

Distribution:



Main Office



Regions

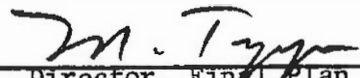


Special

Code: EI 82- 47

Date: 7/7/82

APPROVED:



M. TEGZA, Director, Final Plan Review Bureau

Supersedes:

Due to market conditions, asbestos cement sewer pipe is no longer manufactured on the East Coast and, therefore, shouldn't be specified. One acceptable alternate pipe material which may be used, if permitted by the municipality's code, is Acrylonitrile Butadiene Styrene sewer pipe. This pipe is available in sizes ranging from 4" to 15" and all available sizes have been coded into the computer. They will be inserted into the proposals by the Main Office Final Plan Review Bureau. Existing Asbestos Cement sewer items are discontinued.

If fill heights greater than 12' are expected, please contact Mr. Ray Schnore of the Soil Mechanics Bureau at 457-3532 for any special provisions which may be required. A Manning's friction coefficient of $n=0.009$ should be assumed in sizing ABS pipe.

When specifying ABS pipes, the designer should also include a Special Note entitled "Sanitary Sewer Work". This note should contain information including joint type required, use of saddle fittings and leakage test requirements.

The special specification for ABS sewer pipe is attached.

15603.7504	ABS SEWER PIPE 4 INCH DIAMETER
15603.7506	ABS SEWER PIPE 6 INCH DIAMETER
15603.7508	ABS COMPOSITE SEWER PIPE 8 INCH DIAMETER
15603.7510	ABS COMPOSITE SEWER PIPE 10 INCH DIAMETER
15603.7512	ABS COMPOSITE SEWER PIPE 12 INCH DIAMETER
15603.7515	ABS COMPOSITE SEWER PIPE 15 INCH DIAMETER

DESCRIPTION

This work shall consist of furnishing and installing ABS (Acrylonitrile-Butadiene-Styrene) sewer pipe and fittings at the locations indicated on the plans and in accordance with the Standard Sheet installation details for corrugated metal and structural plate pipe and pipe-arches - unless otherwise shown on the plans.

MATERIALS

ABS Sewer Pipe shall conform to the following requirements:

4 in. and 6 in. Dia. ASTM D2751, and shall be SDR 23.5

8 in., 10 in., 12 in., 15 in. Dia. - AASHTO M264

BASIS OF ACCEPTANCE

The Contractor shall furnish the Engineer a manufacturer's certification of compliance for each shipment of pipe. The Department reserves the right to sample and test delivered materials.

CONSTRUCTION DETAILS

ABS sewer pipe shall be installed in accordance with Section 603-3 and the manufacturer's instructions, except that the type of bedding and backfilling shall be as shown on the plans. No stones greater than 1 inch shall be in direct contact with the pipe.

The type of joints, use of saddle fittings and leakage test requirements shall be as specified in the Special Note titled "Sanitary Sewer Work".

METHOD OF MEASUREMENT

This work shall be measured as the number of linear feet (laying length) of ABS pipe and fittings furnished and incorporated in the work in accordance with the plans and specifications.

BASIS OF PAYMENT

The unit price bid shall include the cost of all labor, material (including fittings) and equipment necessary to complete the work.

Excavation, granular fill and backfill will be paid for separately under their appropriate items as indicated in the contract documents.