
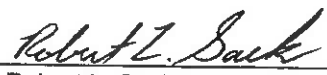


To: <p style="text-align: center;">SUPERSEDED ^{BY} <i>EB 03-029</i> EFFECTIVE 6/6/03</p>		New York State Department of Transportation ENGINEERING INSTRUCTION	<div style="text-align: center; font-size: 2em; font-weight: bold;">EI</div> 02-022
Title: INCORPORATION OF 1050 mm AND 1200 mm HDPE CULVERT AND STORM DRAIN PIPE ITEMS INTO THE STANDARD SPECIFICATIONS			
Distribution: <input type="checkbox"/> Manufacturers (18) <input type="checkbox"/> Surveyors (33) <input checked="" type="checkbox"/> Main Office (30) <input checked="" type="checkbox"/> Consultants (34) <input checked="" type="checkbox"/> Local Govt. (31) <input checked="" type="checkbox"/> Contractors (39) <input checked="" type="checkbox"/> Regions/Agencies (32) <input checked="" type="checkbox"/> Approved List(138)		Approved: <div style="text-align: center;">  <hr/> Robert L. Sack, Deputy Chief Engineer Technical Services Division </div> <div style="text-align: right;"> 7/31/02 <hr/> Date </div>	

ADMINISTRATIVE INFORMATION:

- Effective Date: This Engineering Instruction (EI) is effective with projects submitted for the letting of 01/16/03.
- Superseded Issuances: None.
- Disposition of Materials Issued Herein: The changes cited in Implementation, below, will be incorporated into the Highway Design Manual and the 2002 Standard Specifications.

PURPOSE:

The purpose of this EI is to implement the routine use of 1050 mm and 1200 mm diameter Smooth Interior Corrugated Polyethylene Culvert and Storm Drain Pipe through the Standard Specification 603, permitting the discontinuing of special specifications 18603.980142 and 18603.980148.

IMPLEMENTATION:

Manner and Method: The Design Quality Assurance Bureau will revise Table 8-37 "Structural Criteria for Smooth Interior Corrugated Polyethylene Pipe" of the Highway Design Manual to reflect the additional sizes available. These sizes have the same maximum and minimum fill heights currently allowed, 4.5m and 0.3m respectively. In addition DQAB will make these sizes available by adding them to the 603.98xx items. The pay items will be 603.9842 (1050 mm) and 603.9848 (1200 mm).

Disapproved Specifications:

- 18603.980142 Smooth Interior Polyethylene Culvert and Storm Drain Pipe 1050 mm and 1200 mm
- 18603.980148 Smooth Interior Polyethylene Culvert and Storm Drain Pipe 1050 mm and 1200 mm

BACKGROUND:

High Density Polyethylene Pipe diameters 1050 mm and 1200 mm have been used by the Department since 1995 by way of Special Specifications 18603.980142 and 18603.980148. During that time the Department monitored each project working with Designers, Engineers in Charge, Contractors, and Inspectors to ensure that these items were properly handled and installed.

The special specifications for the 1050 mm and 1200 mm diameters referenced the AASHTO Provisional Specification MP6-95 along with requiring producers names being on the Departments' Approved List of Materials for HDPE. The Department also tested the 1050 mm and 1200 mm diameters to assure conformance with the AASHTO MP6-95. AASHTO has since adopted the 1050 mm and 1200 mm diameter sizes into the AASHTO M294 Standard Specification Corrugated Polyethylene Pipe 300-1200 mm Diameter. The NYSDOT Standard Specifications 706-12 references the AASHTO M294. Culverts and Storm Drains are identified in NYSDOT Standard Specification 603 with the High Density Polyethylene pay item identified as 603.98xx.

CONTACT:

Direct questions to the Field Engineering 1 Section of the Materials Bureau at (518) 457-5956.