



## SECTION 1013

### MISCELLANEOUS DRAINAGE MATERIAL

**1013.1 Scope.** This specification covers material requirements for various plastic pipes and other miscellaneous items required to provide underdrainage and edge drainage as specified elsewhere.

**1013.2 Acceptance.** Acceptance of the material will be based on visual examination and the results of such tests as required by the engineer.

**1013.3 Material.** Pipe material shall be PVC or HDPE.

#### **1013.3.1 Plastic Pipe.**

**1013.3.1.1** The pipe material shall have a minimum pipe stiffness of 46 psi (320 kPa).

**1013.3.1.2** Corrugated PVC sewer pipe with a smooth interior and fittings shall be in accordance with ASTM F 949.

**1013.3.1.3** Smooth wall PVC underdrain pipe and fittings shall be in accordance with ASTM D 3034.

**1013.3.1.4** Corrugated PE pipe with a smooth interior and fittings shall be in accordance with AASHTO M 252, Type S or SP.

**1013.3.1.5** Schedule 40 PVC pipe shall be in accordance with ASTM D 1785.

**1013.3.2 Rodent Screens.** Rodent screens shall be press-formed of 3 or 4 mesh, 21 gage (0.7 mm) or heavier, stainless steel or hot-dipped galvanized wire screen or approved equivalent, to provide a cup-shaped screen that will provide a friction-tight fit when inserted into the drain outlet.

**1013.4 Certification.** The contractor shall furnish a manufacturer's certification to the engineer for each lot of plastic pipe material furnished stating the name of the manufacturer and certifying that the material supplied is in accordance with this specification.