

**1907 - PLASTIC PIPE FOR UNDERDRAINS,
EDGE DRAINS, OUTLETS AND DRAIN TILE**

SECTION 1907

**PLASTIC PIPE FOR UNDERDRAINS,
EDGE DRAINS, OUTLETS AND DRAIN TILE**

1907.1 DESCRIPTION

This specification covers polyvinyl chloride (PVC) pipe for use in underdrain, pavement edge drain, and outlet installations. Polyethylene (PE) is also permitted for edge drains.

1907.2 REQUIREMENTS

a. Underdrain Pipe. Provide perforated polyethylene or polyvinyl chloride underdrain pipe and fittings in the diameter shown in the Contract Documents that complies with ASTM F 891 for polyvinyl chloride, except the minimum pipe stiffness required is 100 psi, at 5% deflection, for PVC pipe.

b. Edge Drain Pipe. Provide perforated edge drain pipe and fittings in the diameter shown in the Contract Documents that complies with AASHTO M 252 for polyethylene, except the minimum pipe stiffness required is 46 psi, at 5% deflection, or AASHTO M 278 for PVC pipe.

c. Outlet Pipe. Provide a smooth interior walled pipe in the diameter shown in the Contract Documents that complies with ASTM F 891 for polyvinyl chloride, except the minimum pipe stiffness required is 100 psi, at 5% deflection, for PVC pipe.

d. Drain Tile. Provide perforated polyethylene drain tile and fittings in the diameter shown in the Contract Documents that complies with AASHTO M 252 or M 294 for perforated polyethylene pipe.

1907.3 TEST METHODS

Test pipe supplied for this specification according to the procedures referenced and outlined in AASHTO M 252, AASHTO M 278, AASHTO M 294, and ASTM F 891.

1907.4 PREQUALIFICATION

None Required.

1907.5 BASIS OF ACCEPTANCE

Tubing for underdrains, edge drains, and outlets will be accepted based on receipt and approval of a Type D certification as specified in **DIVISION 2600** and visual inspection for conditions and dimensional requirements.