

## 3248 POLYVINYL CHLORIDE PIPE

### SCOPE

Provide polyvinyl chloride (PVC) pipe for use as culverts or pipe sewers.

### REQUIREMENTS

Provide PVC pipe with couplings and fittings meeting the requirements of the following:

- (1) AASHTO M 304; and
- (2) ASTM F 949; and
- (3) Section 12 of the AASHTO LRFD Bridge Design Specifications.

Provide polyvinyl chloride (PVC) pipe with a watertight seal that shows no sign of leakage when tested in accordance with ASTM D 3212. Elastomeric seals (gaskets) used for joining pipes must meet ASTM F 477.

Submit a laboratory certification that the pipe connection for each size pipe meets or exceeds the requirements in this section.

Submit the shop drawings of each pipe coupler provided by the pipe manufacturer and any additional mechanical connections as required by the plans.

Provide polyvinyl chloride (PVC) pipe and fittings manufactured from virgin PVC compounds. May use clean, reworked PVC materials from the manufacturer's own production if the pipe and fittings meet the requirements of this section.

Store and handle corrugated polyvinyl chloride (PVC) pipe as recommended by the manufacturer. Provide polyvinyl chloride (PVC) pipe manufactured no more than six months prior to installation. Do not use damaged pipe.

### SAMPLING AND TESTING

Approved manufacturers of polyvinyl chloride (PVC) are listed on the Approved Products List.

Polyvinyl chloride (PVC) pipe manufacturing facilities are required to participate and be in compliance with AASHTO's National Transportation Product Evaluation Program (NTPEP) for producers of AASHTO M 304 PVC pipe. If a plant has a compliant NTPEP audit for AASHTO M 304 PVC pipe at the time the pipe is manufactured, then the plant has met requirements. Compliant plants are listed on the NTPEP website and can also be accessed through the Approved Products List.

Submit a manufacturer's Certificate of Compliance with each pipe shipment including date manufactured.