

DELAWARE CONSTRUCTION SPECIFICATION

CORRUGATED POLYETHYLENE CONDUITS CS 49 **(SMOOTH BORE PE PIPE)**

1. **SCOPE**

The work shall consist of furnishing and installing the pipe and the necessary fittings and appurtenances.

2. **MATERIALS**

The heavy duty corrugated plastic pipe and fittings shall conform to the requirements of AASHTO Specification M 294 and ASTM F667.

3. **EXCAVATION**

The trench or excavation for the pipe shall be constructed to the line, depths, cross sections, and grade shown on the drawings or as directed by the NRCS Technician.

Trench shields, shoring and bracing, or other methods, necessary to safeguard the workmen and work shall be furnished, placed, and subsequently removed by the Contractor.

4. **LAYING AND BEDDING THE PIPE**

Unless otherwise indicated, the pipe shall be installed in accordance with the manufacturer's recommendations.

Backfill shall be placed and compacted in accordance with Delaware Construction Specification 15 – STRUCTURAL BACKFILL. The coarse particle size in the backfill shall not exceed the width of the corrugations. The pipe shall be loaded sufficiently during backfilling around the sides to prevent its being lifted from the bedding.

5. **JOINTS**

All joints shall be provided with soil tight connections. If the pipe is being used for impoundment of water or water control purposes, all joint shall be provided with watertight sleeves or gasket connections.