

DELAWARE CONSTRUCTION SPECIFICATION

STEEL PIPE CONDUITS CS 44

1. SCOPE

The work shall consist of furnishing and installing steel pipe complete with coatings, fittings and appurtenances as specified on the drawings.

2. MATERIALS

Steel pipe and fittings shall conform to the requirements of Delaware Material Specification 208.

Unless otherwise specified on the drawings, special fittings and appurtenances shall be of the same material as the pipe.

3. LAYING AND BACKFILLING THE PIPE

Pipe shall be laid to the line and grade shown on the drawings. Unless otherwise specified, 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 pipe shall be loaded sufficiently during backfilling around the sides to prevent its being lifted from the bedding.

4. JOINTS AND CONNECTIONS

Pipe joints shall conform to the details shown on the drawings and shall be sound and watertight.

Welding and welded joints shall conform to the welding procedure details and the requirements for repair of welds of AWWA Standard C206 for Field Welding of Steel Water Pipe Joints (AWS D10.9). Field welding shall be done in such a way as to avoid burning the protective coating on the pipe except in the immediate vicinity of the weld.

Where welded field joints are used, they shall be single welded butt joints or lap welded slip joints, as shown on the drawings.

All steel ring flanges shall be fabricated in accordance with AWWA Standard C207.