

ADS POST TENSIONING DUCT SPECIFICATION

Scope

This specification describes 2-inch (50 mm) ADS Post Tensioning Duct for use in tension cable shield applications.

Pipe Requirements

ADS Post Tensioning Duct shall have spiral corrugated interior and exterior corrugations. Minimum inside diameter and average outer diameter shall be 1.91-inches and 2.3-inches respectively. Average pipe stiffness at 5% deflection shall be 80pii when tested in accordance with ASTM D2412. Average weight shall be 0.19 pounds per foot.

Joint Performance

Pipe shall be joined with an external coupler covering at least two full corrugations on each end of the pipe. Standard (non-gasketed) connections shall meet the soil-tightness requirements of the AASHTO M252.

Material Properties

Pipe and fitting material shall be high density polyethylene conforming with the minimum requirements of cell classification 435400C as defined and described in the latest version of ASTM D3350.

Installation

Installation shall be in accordance with state or local regulations and those issued by the design engineer.

