

Corrugated Steel Structural Plate Pipe Rehabilitation | Fort Yates, ND

Polymer Coated Corrugated Steel Pipe

Owner

North Dakota DOT

Contractor

Industrial Builders, Inc.

Consulting Engineer

North Dakota DOT

Application

Relining of existing structural plate pipe with 60" dia. 10 gauge polymer coated corrugated steel pipe. Liner pipe was installed and back-grouted in place in the existing conduit to extend the service life an additional 75 years.

Why this product?

Polymer coated corrugated steel pipe can withstand the corrosive site conditions and excessive fill heights.

Project challenges

The polymer coated corrugated steel pipe was slipped into the existing structure on skids attached to the bottom of the pipe.

Special project elements

TrueNorth Steel provided extra long pipe lengths to minimize the number of pipe connections. Connections consisted of 24" wide gasketed bands to eliminate leakage of the grout in the annular space between the liner pipe and host pipe.



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