

ND Badlands Re-lining | Fairfield, ND

Galvanized Box Rib CSP

Owner

White Rock Oil and Gas - Dallas, TX

Contractor

Stopplesworth & Son

Application

200 feet of 72" X 14 gauge Galvanized Box Rib liner pipe inserted into an 84" galvanized corrugated steel pipe

Why corrugated steel pipe from TrueNorth Steel?

Cost from TrueNorth Steel as compared to other liner pipe options.

Project Challenges

Approximately 50' of cover is over the host pipe. Oil and gas pipe lines along with high voltage power lines were weaved through the over burden area therefore removal was almost impossible. The bottom of the host pipe was near 50% gone or buckled. Crews had to cut out bad pipe areas, adding in supports to hold and strengthen the host pipe; as well as weld in skid plates for the liner pipe to slide on, prior to the process of lining and grouting.

Special/unique elements of the project

A water spring that flows year round is near the host culvert causing wet, muddy and even icy conditions during the repair process. Very deep cover height over this pipe. The road is a private road used by a rancher and leads to an oil producing site in the Badlands of ND. The project started in the fall of 2016 and was delayed by the blizzards of 2016 & 2017. The liner pipe was installed in 2016, the grouting and landscaping was completed in 2017.



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