

PolySpray

Market

Water / Utilities

Challenge

The challenge was to rehabilitate a severely deteriorated twin 60-in corrugated metal storm culvert that was failing.

Engineered Solution

PolySpray FS-250, used at a thickness of 0.8-in for structural repair, was proposed as the solution to eliminate ground settling.

Scope

One side of the corrugated metal culvert was isolated and the flow directed through the other. After cleaning, the inspection revealed that the bottom of the culvert was completely deteriorated. The bottom was stabilized with concrete to fill voids and provide a form for the PolySpray. Each side was independently spray applied with PolySpray FS-250, with each application taking one day to complete.

Solution

The PolySpray lining solution extended the life of the culverts by rebuilding the eroded invert and stabilizing the soil around the pipe. The lining not only added structural strength, it eliminated further corrosion/erosion to the steel culvert.



POLYSPRAY
POLYUREA BASED LININGS

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