

## CASE STUDY



### FEATURING



## PROTOTYPE APPLICATION OF THE QUADEX LINING SYSTEM® FEATURING GEOKRETE® GEOPOLYMER

### PROJECT SNAPSHOT

#### Date of Installation/Completion

- July 2015

#### Owner

- Walmart - for Kleenco

#### Location

- Bentonville, AR

#### Application

- Spincast Method
- 66 LF of 41" x 56" CMP Storm
- 75 LF of 29" x 42" CMP Storm

#### Thickness

- 1.0"

#### Description

Two sections of CMP storm culvert had begun to fail. The pipe invert was completely gone, while other sections were partially collapsed, and suffering from ovality. In addition to severe I&I, a total culvert failure was imminent.

The Quadex Lining System®, utilizing its GeoKrete® Geopolymer, was able to structurally restore the culvert without having to dig and replace it; saving time, money and minimizing surface disruption.

#### Reference

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### Collapsed and Corroded Culvert Structurally Relined, Avoiding the Need for Intrusive Excavation.



July 2015  
Pipe sections showed signs of partial collapse.



October 2017  
Section of pipe where partial collapse existed remains in excellent shape after it was structurally relined with GeoKrete.



July 2015  
Complete joint failure with pipe suffering from severe ovality, I&I and threat of total collapse.



October 2017  
No signs of joint failure or ovality as depicted in the host pipe. Structural GeoKrete liner is intact and continues to provide corrosion protection.



Compared to Baseline for  
Trenchless Repair Systems for  
Structural Rehabilitation of  
Civil Infrastructure