

CASE STUDY



FEATURING



LARGE DIAMETER CMP STORM PIPE RELINING: MULTI-YEAR FOLLOW-UP

PROJECT SNAPSHOT

Owner

- Walmart, Corp.

Facility

- Walmart, Pearl, MS

Installation Details

- Application Method: Precision Spin-Cast
- Material: Quadex® GeoKrete®
- Thickness: 1.5"
- Pipe/Dimensions:
CMP
Length - 420'
Diameter - 72"

Installation Contractor

- Quadex Lining Systems®
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Reference

- Kleenco
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Early QLS Installation Featuring GeoKrete® Geopolymer Showing No Signs of Deterioration

2015 - SEVERE I&I EFFECTING LARGE DIAMETER CMP STORM DRAIN BENEATH WALMART PARKING LOT

A 72" storm drain pipe installed beneath a Walmart parking lot in Pearl, MS, was suffering from partial collapse and severe I&I. Rather than dig and replace the pipe, the general contractor recommended it be lined with Quadex® GeoKrete, geopolymer. GeoKrete is a fully structural, corrosion resistant lining material that, when applied, eliminates leaks and restores pipe to its full structural strength.



Example of corrosion and I/I before being lined with GeoKrete.



Pipe before cleaning, prep and lining.



Pipe immediately after being lined with GeoKrete.





DETAILS

A total of 420 LF was cleaned, prepped and then relined via QLS's precision spin-cast method. The project took only 6 days to complete and the storm drain was never taken out of service. The QLS application unit sits on a very small footprint and did not impede traffic or parking in and around the Walmart.

2018 FOLLOW-UP

A visual inspection of the GeoKrete lined CMP storm drain was recently conducted to check for lining degradation and cracks. There were no visible signs of I/I and the GeoKrete lining was excellent condition.

ADDITIONAL PRE AND POST INSTALLATION PHOTOS FROM 2015

