



SITE MIX

Pressure Grouting, LLC

Case Study - Leak Seal & Void Fill

Repairing a Footing in a Detention Pond

A general contractor working with a homeowners association reached out to SiteMix Pressure Grouting, LLC about a detention pond wall that was leaking along the footer in several places. A detention pond is designed to collect rainwater and then let it drain slowly in a controlled manner. But in this case, water was washing out quickly in an uncontrolled manner in multiple spots under the footing.

Repair Materials

To rapidly address the problem the technicians at SiteMix chose AP Fill 720. This single component, closed cell, hydrophobic, water-reactive, solvent and phthalate-free, low viscosity polyurethane foam has a high expansion rate, and is ideal for filling voids. In this case, AP Fill 720 was the perfect choice for filling the soil voids underneath the footer created by water erosion.

Procedures

First, the crew injected AP Fill 720 along 150 feet of the wall, installing approximately one gallon underneath the footing every two feet. Next, they installed another 75 gallons spot treating larger voids.

Results

The job was completed in only 2 days. The detention pond wall was ready for use immediately upon completion of the work. The general contractor and the homeowners association manager were very happy with the results.



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