Leaks in your lift station? Epoxytec has the solution.

The Problem: Located in Alberta Lea, Minnesota, about 90 miles south of the Twin Cities, three lift stations needed rehabilitation for a variety of reasons. To begin with, water was penetrating through the mortar joints and concrete blocks, causing their coatings to delaminate. These leaks allowed inflow and infiltration (I&I), an unnecessary and ultimately costly problem for any city's utility department. Next, the lift stations had groundwater seepage into the structures, which was contaminating electrical equipment.

These dry side access hatchway lift stations built of concrete blocks required a system that would plug the leaks as well as reseal and protect the surface from future damage.

Products that Out-perform: Mortartec Cladliner is designed specifically for manhole rehabilitation, with the simplicity of a cementitious liner and the performance of a high-build epoxy liner. Mortartec Cladliner offers high chemical resistance and antimicrobial performance in a single system. It addresses corrosion caused by acid attack, hydrogen sulfide, and I&I, while also protecting concrete or brick access or serve holes within a collection system.

Product Application: Fieldstone Services, the contractor for this project, began with proper surface preparation, using a 4″ Metabo right-angle grinder fitted with a Joe Due shroud & vacuum attachment in order to remove all oil, dust, grease, dirt, loose rust, and other foreign material, to ensure adequate adhesion of the coatings. Mortartec Cladliner was mixed and hand-troweled at 1/4″.

A Final Look: The city's proactive rehabilitation measures will ultimately improve the efficiency of the lift stations, thus enhancing its utility department, and will prevent any further cracking or deterioration from taking place.

Project Information

Location
Alberta Lea, Minnesota

Completion Date
2017

Structure
Lift Station

Owner
City of Albert Lea

Applicator
Fieldstone Services

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