



PROJECT PROFILE

COMBINED SEWER OVERFLOWS (CSO TANKS)



PROJECT DATA

Location – Akron, OH

Application – Concrete storage basin reinforced with Tuf-Strand SF macro fibers & Vandex AM-10 waterproofing admixture

Contractor – Great Lakes Construction / Donley's / Kenmore Construction

Concrete Producer – Mack Ready-Mix

Total Area – 40,000 yd³ - 2.4 Million Gallon Storage Basin

PRODUCTS FEATURED

Tuf-Strand SF

Macro-Synthetic Fiber

Vandex AM-10

Integral Crystalline Waterproofing Admixture

Eucon Air Mix 200

Concentrated Air Entraining Agent for Concrete

Eucon WR-91

Water Reducing, Set Retarding Admixture

Eucon 1037

High Range Water Reducer - Superplasticizer

Plastol 6420

Mid-Range/High-Range - Water Reducing Admixture

SCOPE OF PROJECT

Provide fiber reinforced concrete along with waterproofing properties to produce large storage basins for City of Akron.

PROJECT SUMMARY

This 16 million dollar project consists of the construction of a 2.4 million gallon storm water storage basin along the south side of Cuyahoga Street in Akron, Ohio. The basin will be used as a temporary storm water storage area of combined sewer flow from the North Hill tributary area. The major benefit of this project is the improved water quality, achieved by controlling combined sewer overflows from CSO Rack 22. This project is just a small part of the 800 million dollar Akron Sewer Improvement Project. In varying locations throughout Akron, there will be multiple tanks ranging in various sizes and dimensions.

The current phase of this project consists of approximately 5,000 cubic yards of concrete for the CSO tanks. The concrete is comprised of a variety of mix designs.