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.