

Project Highlights

- Optimized proposed sewer routes to minimize easement and construction impacts
- Identified sustainable opportunities to daylight storm sewers into Mt. Airy Forest separately from the CSO outfalls.

Services Provided

- Survey
- Sewer Design
- Sewer Separation
- Sustainable
- Alternative Analysis
- Cost Estimating/Permitting

Scan to go to our website



CONTACT:

RA Consultants, LLC
10856 Kenwood Rd.
Cincinnati, OH 45242
(513) 469-6600 (Phone)
(513) 469-2684 (Fax)
info@raconsultantsllc.com
www.raconsultantsllc.com



As a part of the Lower Mill Creek Partial Remedy Plan, MSD evaluated an alternative solution for reducing CSOs in the West Fork Watershed through sustainable stormwater management projects. The plan includes several infrastructure improvements including but not limited to 20,000 feet of storm sewer, 3 million gallons of CSO storage in 2 tanks and 2 SW detention basins. Based on modeled results, the improvements will result in a yearly reduction of nearly 300 million gallons of overflow (based on typical year results).

This alternative solution saves millions of dollars over the initial plan. RA Consultants, through staff supplementation task order, provided initial planning of components included in the overall solution. In addition, Casey Walter served as the Planning and Business Development group liaison to the project. Mr. Walter contributed to the grey infrastructure planning for overflow mitigation.

Chris Weber (While at Pirnie) served as the Task Order Project Manager. He performed several tasks including leading project meetings, serving as the risk management lead, providing coordination with the modeling team, proposing solution concept sketches and technical direction.

Special Environmental Issues:

- Area identified as potential Indiana Bat Habitat
- Area within Mt. Airy Forest/Severely impaired stream habitat

Political Issues:

- Coordination required with Northside Community, Park Department, Cincinnati Recreation Commission, Skate Park Committee.

Technical Problems Resolved:

- Initial concept provided to team was flawed technically, specifically related to conveyance network. Team identified viable solutions.
- Storage concept was completely reevaluated and new concept was proposed.
- Alternatives were identified to modify related ongoing projects to save money and provide greater overflow reduction.