

Birch Avenue Storm Sewer Modifications & Rain Garden

Covington, KY



To help alleviate drainage issues in Covington, SD1 turned to Bayer Becker for multi-disciplined design services. Prior to design Bayer Becker provided a topographic survey to verify the existing drainage patterns. The survey also included the location of a lower drainage basin and associated sewers, overflow structures, spillways and other visible features. Once the drainage patterns were identified, design for the project included reshaping the roadway to divert water to the drainage way on the east side of Birch Avenue. The drainage outlet into a newly designed rain garden created by Bayer Becker's Landscape Architecture team, that was populated with plantings that benefited from the drainage overflow.

Project Stats

Client:	Kentucky Sanitation District No. 1
Location:	Covington, KY
Year:	2010
Market:	Storm Water Infrastructure
Project Size:	402.00 Linear Feet - Pipe

Services Provided:

CONSTRUCTION PHASE SERVICES

Bidding Assistance
Owner Representation
Post Construction As-builts
Punchlist & Closeout
Regular Site Visitation
Submittal Review

SURVEYING SERVICES

Easement Exhibits & Descriptions
Legal Descriptions
Topographic Surveys
Utility As-Builts & Record Drawings

CIVIL ENGINEERING SERVICES

Contract Documents and Specifications
Dry Extended Detention Basin
Grading & Earthwork Analysis
Hydrologic & Hydraulic Analysis
Storm Water Collection System
Storm Water Control Facilities
Storm Water Pollution Prevention Plans
Street Reconstruction

TRANSPORTATION ENGINEERING SERVICES

Roadway Design

LANDSCAPE ARCHITECTURE & PLANNING SERVICES

Green Infrastructure
Planting Plans
Rain Gardens