

# Pleasant Ridge Sewer Remediation

## Fort Mitchell, KY



Bayer Becker is engaged by the Northern Kentucky Sanitation District No.1 to perform analyses and design work, and to prepare detailed construction drawings for the Fort Mitchell Pleasant Ridge Private and Public Source I/I Removal Project. The project area is highly developed and features aged and rehabilitated infrastructure. Bayer Becker was selected to analyze the existing infrastructure, compose recommendations and create designs based on that analysis. All while simultaneously meeting with the homeowners regarding the project.

The Sanitation District tasked Bayer Becker with several goals: 1) eliminate I/I and overflow sewage and storm water volumes, 2) remove illicit connections and other sources of bacteria from the storm sewer system, 3) evaluate the existing condition of the sanitary and storm sewer systems and recommend rehabilitation or replacement of the same, and 4) improve storm water quality and reduce storm water runoff quantity.

The design team evaluated the condition of the existing storm and sanitary infrastructure, prepared hydrologic and hydraulic models of the existing and proposed storm water systems, identified a preferred design alternative based on a cost benefit analysis, prepared construction bid documents, and performed construction administration duties. Bayer Becker added value by creating home owner information packets and meeting with the individual homeowners regarding the project and conveying to them its benefits as well as how it may affect their individual property.

In addition to design, Bayer Becker's construction phase specialist served as the Resident Project representative. His duties included review of project schedules, attendance at job site meetings, coordinating the project engineer, contractor and owner, shop drawing coordination and submittal review, contractor observation and progress payment review. Bayer Becker also implemented an internet based records system that enabled the owner and engineer to review progress reports and photographs of the contractor's work in real-time. This real-time access to project information facilitated quick resolution to field issues and promoted team communication.



### Project Stats

<b>Client:</b>	Kentucky Sanitation District No.1
<b>Location:</b>	Fort Mitchell, KY
<b>Year:</b>	2011
<b>Market:</b>	<a href="#">Wastewater Infrastructure</a>
<b>Project Size:</b>	100.00 Acres

### Services Provided:

#### CONSTRUCTION PHASE SERVICES

Bidding Assistance  
Change Order Review & Recommendation  
Construction Quality Assurance  
Field Records & Reporting  
Meeting Document Preparation  
Meeting Facilitation  
Monitor Construction Code Compliance  
Owner Representation  
Post Construction As-builts  
Punchlist & Closeout  
Regular Site Visitation  
Submittal Review

#### SURVEYING SERVICES

Easement Exhibits & Descriptions  
Location Surveys  
Topographic Surveys

#### CIVIL ENGINEERING SERVICES

Erosion Control Planning,  
Permitting & Inspection  
Hydrologic & Hydraulic Analysis  
Storm Water Collection System  
Storm Water Control Facilities  
Storm Water Pollution Prevention Plans  
Street Reconstruction  
Waste Water Collection System

#### TRANSPORTATION ENGINEERING SERVICES

Roadway Design