

Saint Elizabeth Healthcare Covington, KY



Project Stats

Client:	Anchor Health Properties
Location:	Covington, KY
Year:	2007
Market:	Healthcare
Project Size:	53450.00 sq ft - Building Pad

Services Provided:

SURVEYING SERVICES

ALTA Surveys
Boundary Surveys
Construction Layout & Staking
Legal Descriptions
Location Surveys

CIVIL ENGINEERING SERVICES

Storm Water Collection System
Storm Water Control Facilities
Waste Water Infrastructure

TRANSPORTATION ENGINEERING SERVICES

Intersection Design
Roadway Design

LANDSCAPE ARCHITECTURE & PLANNING SERVICES

Market Graphics
Planting Plans
Site Planning

Anchor Health Properties and St. Elizabeth Healthcare turned to Bayer Becker to provide design services for the new St. Elizabeth Healthcare facility in Covington, Kentucky. St. Elizabeth Covington is a re-development project along I-75 and includes a three-story building with approximately 120,000 square feet of space which include medical offices on the upper floors and a 10,500 SF emergency department on the ground floor along with outpatient services such as imaging, dialysis and rehab programs.

The firm also furnished multi-discipline design coordination of the re-alignment of Main Street public improvement project (with Kenton County and Kentucky Transportation Cabinet). Main Street provides direct access from 12th Street to the St. Elizabeth campus. Throughout the entire complex project, Bayer Becker was instrumental in keeping open communication between city, county, and state officials which led to a successful project.

During the facility's initial design phase, Bayer Becker provided land planning which ultimately eliminated a potentially costly pier and lagging retaining wall. In addition, Bayer Becker coordinated the work of multiple design firms and subconsultants including the developer, construction manager, and geotechnical engineer to explore and select an innovative solution using Elastizell (a low density and load reducing fill product) to allow for fill to be placed on an existing 108" combined sewer that needed to be crossed for access into the site.

St. Elizabeth Healthcare committed to Sanitation District No. 1 (SD1) to include green infrastructure into the campus design. From these early objectives the project development team set a goal to incorporate green infrastructure elements into the project design. 20,000 SF of the roof is a green roof, which was conceptually coordinated by Bayer Becker with the development team and SD1. Four rain gardens and a re-designed detention basin (to limit the runoff within SD1 combine sewer watershed) are also incorporated into the final design. The basin was designed to maximize the potential for soil absorption, evapotranspiration, and infiltration and thus reduce the volume of runoff that leaves the basin and enters the Combine Sewer Overflows (CSO) system. For the design and construction administration of the re-designed basin, Bayer Becker was contracted by SD1 to provide the design services to meet the goal of the district to reduce possible future CSO storage or other measures to limit discharges.