

Ivy Trails Flush Station

Cincinnati, OH



Designed to serve approximately 100 single family homes in the Ivy Trails residential development, Bayer Becker designed a flush station to convey sewage from one side of the valley to the other without the aid of pumping equipment. The design utilizes the elevation difference between the wet well and the receiving manhole to operate the system. The system was sized to maintain self-cleansing velocities in the force main and collect a volume in the wet well sufficient to purge sewage in the force main low point with each flush. In addition, a portion of the force main is convertible to a gravity system once a relief sewer is constructed.



Project Stats

Client:	Nordyke Development
Location:	Cincinnati, OH
Year:	2003
Market:	Wastewater Infrastructure
Project Size:	1.00 Acres

Services Provided:

SURVEYING SERVICES

Boundary Surveys
Easement Exhibits & Descriptions
Location Surveys

CIVIL ENGINEERING SERVICES

Pump Station Design
Waste Water Collection System
Waste Water Infrastructure

LANDSCAPE ARCHITECTURE & PLANNING SERVICES

Contract Documents and Specifications
Preliminary Budgeting - Final Cost Estimating