

Creek Bridge Apartments Drainage & Slip Remediation Ashland, Kentucky



Client/Location

Creek Bridge Apartments
3100 Roberts Drive
Ashland, KY 41102

Client Reference

Mathew Solomon
Millennia Housing
Management, LTD
Dir. Of Design &
Construction
(216) 520-1250

Project Status

Complete

Dates of Service

Survey – 2009
Design – 2009
Construction - 2010

Special Features

- Topographic Survey
- Boundary Survey
- ROW Survey
- Utility Location
- Storm Water Analysis
- Storm Water Modeling
- Geotechnical Analysis
- Construction Inspection
- Retaining Wall Design
- Pipe Hydraulics

Project Description

The First Phase of the Creek Bridge Apartments Drainage Rehabilitation was to perform a topographic survey of the site to determine the existing contours. All existing utilities, structures, and slopes were mapped.

Phase two was the design phase. This phase included a grading plan for the courtyard and down spout pickups. Pipe hydraulic calculations were performed and a proper drainage plan was designed. The ditch was rerouted behind the apartment to a rip rap swell to prevent the hill from further erosion; a retaining wall was also designed to prevent the hill from erosion. The existing storm water lines behind the sidewalk were rerouted and the existing discharge in the creek bank was relocated.