

Windisch Road Buildings 6 & 7 Stormwater Analysis

West Chester, OH



Project Stats

Client:	Al. Neyer, Inc.
Location:	West Chester, OH
Year:	2007
Market:	Storm Water Infrastructure
Project Size:	1190000.00 sq ft - Building Pad

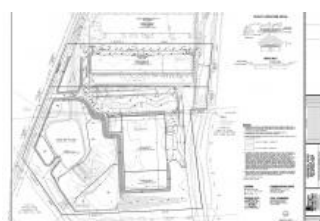
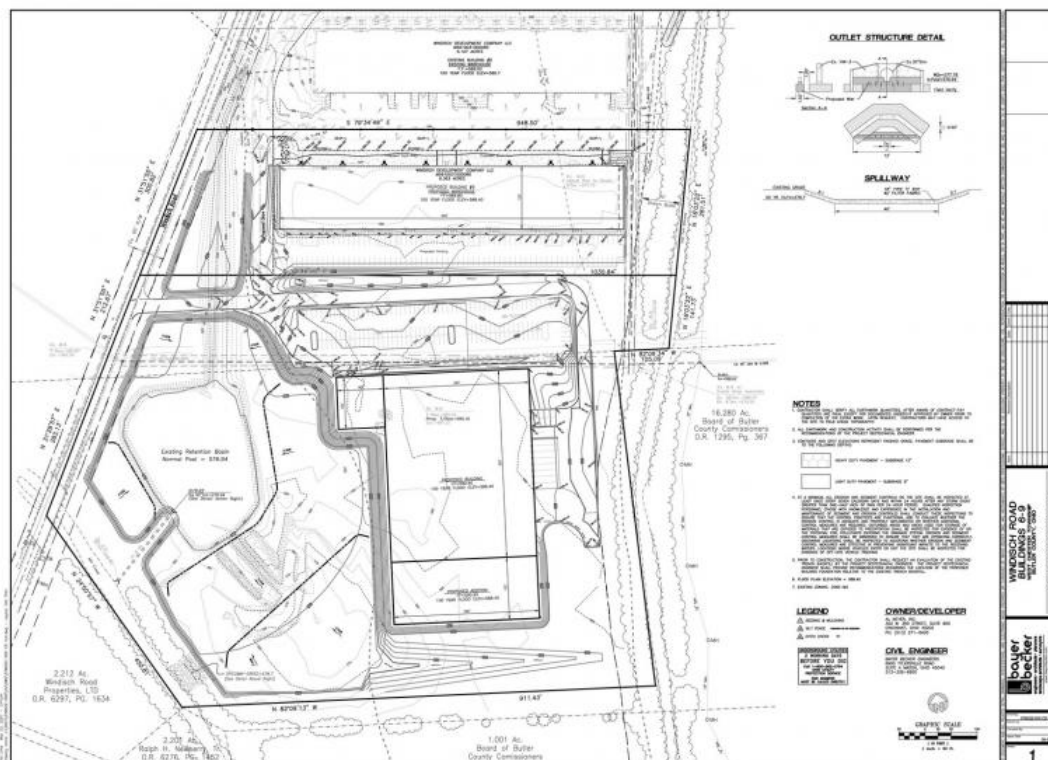
Services Provided:

SURVEYING SERVICES

Boundary Surveys
Easement Exhibits & Descriptions
FEMA Elevation Certificates
Legal Descriptions
Location Surveys

CIVIL ENGINEERING SERVICES

Erosion Control Planning,
Permitting & Inspection
Flood Plain Analysis and Permitting
Grading & Earthwork Analysis
Hydrologic & Hydraulic Analysis
Storm Water Collection System
Storm Water Control Facilities
Storm Water Pollution Prevention Plans



Bayer Becker served as the engineer of record for the Windisch Road Industrial Park. Two of the proposed park's buildings were located in a special flood hazard area within the regulatory floodway. For earthwork activities to take place a floodplain analysis and cut/fill balance verification had to be completed. Bayer Becker prepared a mass earthwork plan and storm water pollution prevention plan for the facilities. The earthwork plan was prepared for the construction of building pads above the base flood elevation of the Mill Creek while simultaneously providing compensatory flood storage, required detention volume and post construction water quality volume. Bayer Becker's analysis of the Mill Creek floodplain also included preparing several models which were prepared in a manner suitable for inclusion in a CLOMR application to FEMA. In addition to the models and cut/fill services Bayer Becker provided complete design of the storm water management system including the storm sewer and culvert sizing, basin design and post construction water quality BMPs.