

Community Daycare

SUNY Fredonia

Fredonia, NY



Project Owner:
State University of New
York College at
Fredonia

Professional Services:
2008

Construction:
2009

Total costs:
\$4.5 million

Contact:
Sarah Reid, AIA
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KEY ELEMENTS

- Parking
- Driveways
- Grading
- Sidewalks
- Underground detention
- SWPPP and inspections (SPDES Permit)
- Drawings
- Specifications
- Permitting
- LEED



SUMMARY DETAIL:

Designed site grading, parking area, access drive, sidewalk, sanitary sewer, and stormwater management facilities. Performed stormwater modeling for existing conditions and proposed conditions stormwater runoff. Coordinated geotechnical investigation to classify soil types and determine on-site infiltration rates. Designed underground infiltration system including pre-treatment system to ensure long-term performance.

Pre-treatment consists of an isolator filter row, floatables trap, deep sumps, vegetative swale, and vegetative filter strip. Worked with Architect to obtain Leadership in Energy and Environmental Design (LEED) Certification for project. Reviewed project area for registered state or national historic places and any potential impact by project. Completed a Stormwater Pollution Prevention Plan and obtained NYSDEC SPDES Permit for Stormwater Discharge.

Created construction drawings, details, and technical specifications for use in obtaining bids from private contractors. Design is reviewed and approved by State University of New York. Performed drafting services for the completion of a landscape plan drawing designed by a Landscape Architect. Provided construction oversight, weekly erosion and sediment control inspections, and submittal review.

Scope of project:

Approximately 14,000 SQ FT building, 3.5 acre project site, 39,000 gallon underground infiltration system, 1,480 linear feet of storm main, and 365 linear feet of drainage swale.