

Peter Smiar, P.E.

Qualifications Summary

Significant experience in the design and management of civil/site improvement projects including site planning and layout, utility design, stormwater system design, geotechnical investigations, structural design, erosion control plan development, and local, state, and federal land use permitting.

Work Experience

Professional/Project Engineer – Civil Engineering Associates, Inc
Staff Engineer – Civil Engineering Associates, Inc

Dec. 2009 – Present
June 2005 – Dec. 2009

Education

- University of Vermont, 2005
 - Degree: Bachelor of Science, Civil Engineering, *Cum Laude*

Recent Projects

Thayer Commons/ Village at Leddy Park, Burlington, VT

Civil Engineer responsible for planning, site, stormwater, and utility design for high-density, \$22 million dollar commercial/residential development involving a 33-unit affordable housing building, rehabilitation of historic structure, 59-unit elderly housing facility, and 47-unit residential building to be located on existing State owned land. Responsibilities involve project management and coordination between the State of Vermont, private developer and non-profit organizations. Duties included representing clients during local review meetings and coordination of all state, local, and Act 250 permits, as well as coordination of approvals from City Public Works staff. Performed subsurface investigation to support design of 3 stormwater infiltration systems and 2 bio-retention treatment areas.

Vermont Agency of Transportation, State Airports and District

Project management and stormwater treatment design for VTrans facilities throughout Vermont. Work has included airport hangar site development and master planning, analysis of hydrologic impacts, stormwater treatment design, permitting, infiltration testing, and construction oversight. Current projects include stormwater treatment design and permitting for hangar expansion sites at Newport, Morrisville, and Franklin County State Airports.

Stormwater Retrofits for Former Bouyea Fassetts/Freedom Nissan Site

Civil Engineer responsible for site assessment and design of stormwater treatment retrofits for former Fassetts Bakery and adjacent Former Nissan Dealership at 68 Nesti Drive and 1795 Shelburne Road, in South Burlington. Project included design of retrofit treatment practices for existing stormwater discharges from three separate commercial facilities under separate ownership. Retrofit treatment practices were located within VELCO and Champlain Water District (CWD) rights-of way and were required to conform to VELCO standards as well as provide protection of existing 16" CWD water transmission main. Project resulted in successful coordination of approvals and treatment options with private owners and utility companies. VELCO and CWD approvals were granted in spring 2012.

Vermont Army National Guard Firing Ranges and Readiness Facilities

Provided stormwater, structural, roadway, and general site design and permitting services at VTARNG facilities statewide. Work includes design of stormwater treatment facilities, structural steel fuel storage shelters, helicopter engine wash racks, roadway design using recycled asphalt pavement, and design of mountain stream crossings at the 11,000 acre Ethan Allen Firing Range in Jericho, VT.

Champlain Irving Truck Stop, Champlain, NY

Project management and design engineer for expansion of existing truck stop including 5 new fuel pumps and fuel canopy, building and site expansions, utility and drainage improvements, and relocation of existing 60 ft. tall tower sign, for proposed \$1.8 million dollar project. Design work included new drainage bypass structures with NY DOT easements, 800' water line, septic force main to serve new 40-seat capacity food service establishment, design of water meter pit, pump station, and directional bore crossings under county roads to connect to existing municipal utilities. Performed extensive hydrological study and developed watershed model to evaluate effects of proposed drainage improvements and pavement expansions on existing receiving waters within State highway drainage system.

Airport Sand and Fill, Highgate, VT

Project Manager and consulting engineer for proposed sand extraction facility in Highgate, VT. Performed subsurface investigation to evaluate impacts to groundwater levels and to determine the extent and characteristics of an existing natural sand deposit located in the Mississquoi River Watershed. Performed review of soils information and potential impacts to mapped Prime Agricultural Soils with the Agency of Agriculture and Act 250 District 6 Office. Approvals under all State land use permits were granted as of September 30, 2011. Facility began operating in spring 2012.

Memberships: American Society of Civil Engineers-Geo Institute Chapter, Tau Beta Pi

Software: HydroCAD, AutoCADD Land Desktop, Matlab, Geoslope, MS Office, Adobe, JMP