

# GREEN MOUNTAIN ENGINEERING, INC.

*1438 South Brownell Road*

*P.O. Box 159*

*Williston, VT 05495*

*(802) 862-5590*

**Via E-Mail**

August 4, 2014

Ms. Jeannine McCrumb, Town Planner  
Town of Charlotte,  
P.O. Box 119  
Charlotte, VT 05445

RE: Proposal for Consulting Civil Engineering Services  
Subdivision and Land Use Review

Dear Jeannine;

Enclosed is Green Maintain Engineering's Proposal for Consulting Civil Engineering Services for subdivision and land use review.

We are excited for the opportunity to assist the Town with the review of subdivision and land use projects.

Sincerely,  
**GREEN MOUNTAIN ENGINEERING, INC.**



Alan Huizenga, P.E.  
President

enc.

August 2014

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**Proposal for Engineering Services**

**Consulting Civil Engineering Services for  
Subdivision and Land Use Review  
Town of Charlotte, Vermont**



*Prepared for:*

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Town of Charlotte  
P.O. Box 119  
Charlotte, Vermont 05445

*Prepared by:*

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Green Mountain Engineering,  
P.O. Box 159  
Williston, VT 05495  
Phone: (802) 862-5590

PROPOSAL FOR  
TOWN OF CHARLOTTE, VERMONT  
CONSULTING CIVIL ENGINEERING SERVICES  
SUBDIVISION AND LAND USE REVIEW

**AUGUST 2014**

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ATTACHMENT A - Resumes

# GREEN MOUNTAIN ENGINEERING, INC.

*1438 South Brownell Road  
P.O. Box 159  
Williston, VT 05495  
(802) 862-5590 (Fax) 862-7598*

Green Mountain Engineering, Inc., established in 1991, is an independent civil engineering consulting firm that specializes in private and municipal water, waste water, stormwater and sitework projects. The range of professional engineering services offered includes all phases of a project beginning with preliminary engineering and continuing through permitting assistance, final design, on-site resident representation during construction, start-up services and operator training. We thank you for the opportunity to submit this engineering consulting proposal along with the attached qualifications, experience and fee schedule. We look forward to work with the Town of Charlotte.

## **I. PROJECT UNDERSTANDING**

The Town of Charlotte is seeking to hire a qualified professional civil engineering firm to provide selected engineering services and assistance under a term contract on a regularly scheduled basis. The services are meant to assist the Town in the review of applications for site plan review, subdivision, conditional use review and other land use development projects.

## **II. SCOPE OF SERVICES**

The range of services may include, but not be limited to, the review of the follow submissions by other engineering firms as part of land use development projects in the town:

1. Road design
2. Drainage and storm water management design, with particular attention to low impact development alternatives
3. Grading and erosion control plans
4. Geotechnical investigation and slope stability analysis
5. Traffic studies and evaluations
6. Local zoning, subdivision and regulated land use

The specific services that Green Mountain Engineering will perform include, but are not limited to the following:

1. Review subdivision plans, site plans and other related projects, including the preparation of written reports that set forth compliance with local zoning, subdivision, and related land use regulations, municipal ordinances, municipal standards, checklists, and accepted planning and engineering design practices.
2. Participate in staff meetings as necessary to review the consultant's comments on active or pending projects.
3. Provide a written technical review to the town of said site plan or subdivision plan not more than fifteen (15) business days after receipt of said plan. Written engineering reviews shall be transmitted in electronic format via e-mail to the Planning & Zoning Office.
4. Provide comments and recommendations of projects for such items as: road design, drainage and storm water management design, grading plans, erosion control plans, geotechnical investigations, slope stability analysis, traffic studies, street and parking lot design, sanitary sewer design, water design, and all required permits.
5. Maintain all documents and other material related to the duties and function of the review consultant.
6. Provide construction observation as requested by the town.
7. Perform other related engineering services as requested.

### **III. QUALIFICATIONS AND EXPERIENCE**

Green Mountain Engineering has performed on-going consulting engineering for the Town of Bristol and the Town of Richmond. We currently have a general consulting engineering services agreement with the Town of Bristol for infrastructure related projects. We also have had a general consulting engineering agreement with the Grand Isle Consolidated Water District since 1999. We attend regular monthly meetings and review applications for connection to the municipal system for compliance with the system's use ordinance and State regulations.

The project team will consist of Principal Engineer Alan Huizenga, P.E., and Project Engineers, Brad Washburn, P.E. and Kevin Camara, P.E.

**Alan Huizenga, P.E. Owner/Engineer I**

Alan has over twenty nine years of experience in the Civil and Environmental Engineering fields. Alan has extensive experience in subdivision and site planning review including recent projects for the Town of Bristol, VT; Town of Richmond, VT; and early in his career as a municipal engineer in New Jersey performing on-going review of land development projects for several municipalities. Alan has experience in all aspects of Civil Engineering Design and Construction Services.

Alan is the owner of Green Mountain Engineering, Inc. and would be the quality control, oversight, budget and schedule manager for the project and provide engineering assistance, as required.

**Brad Washburn, P.E., Project Engineer/Engineer II**

Brad has over thirteen years of experience in the Civil and Environmental Engineering fields. His professional experience encompasses many aspects of engineering and permitting for residential and commercial development, including storm water design, finish grading, pavement design, traffic circulation analysis, Erosion Prevention and Sediment Control Plans, water and sewer design, and client representation at local and state review boards. Brad also has been the project engineer for roadway reconstruction projects, gravel and rock extraction mining, hydraulic analysis and culvert design, on-site wastewater disposal designs, on-site water source development and municipal storm, water and sanitary sewer design. Since joining GME he has been the project engineer for multiple municipal water system improvements projects and site development projects. His technical skills include AutoCAD Civil 3d, Hydro CAD and Water CAD. He is a Licensed Professional Engineer, Compliant with ANR Designer License, in the State of Vermont and a Certified Professional in Erosion & Sediment Control (CPESC).

Brad would be the primary contact, project engineer and reviewer for the project.

## **Kevin Camara, P.E., Project Engineer/Engineer II**

Kevin has over twenty three years of experience in the Civil and Environmental Engineering fields. His professional expertise is in the study, final design, permitting and construction of municipal, commercial and residential water, wastewater, storm water, residuals and solid waste projects. Kevin has experience through his former employer in subdivision and site planning review and construction observation for the Town of Williston.

Kevin will assist Brad as needed for the project.

Green Mountain Engineering may subcontract a specific expert in a certain field if warranted by project complexity. If so, we would request approval from the town for the specific expert along with their rate.

Complete resumes for the project team are included in Appendix A.

## **IV. REFERENCES**

We encourage you to contact our references provided in Table 1 below to learn more about the value, service and overall engineering expertise we provide our clients.

**Table 1**  
**Reference Contact Information**

<b>Municipality</b>	<b>Contact Information</b>
Town of Bristol	<b>Therese Kirby, Town Administrator</b> 1 South St., PO Box 249 Bristol, VT 05443 (802)453-2410 bristoltown@gmavt.net
Town of Richmond	<b>Geoffry Urbanik, Town Manager</b> 200 Bridge Street P.O. Box 285 Richmond, VT 05477 townmgr@gmavt.net
Grand Isle Consolidated Water District	<b>David Borthwick-Leslie, Chair</b> (802) 372-4370 dborthw@surfglobal.net

**V. DELIVERABLE FORMAT**

Green Mountain Engineering has the ability to provide the Town of Charlotte with digital files throughout the project, including but not limited to Adobe Acrobat Portable Document Format (PDF), ArcView/ArcMap (shapefiles), Microsoft Word (DOC), Excel (XLS), etc. All hard copies of deliverables upon the completion of any given project will be transmitted digitally to the town.

**VI. INSURANCE REQUIREMENTS**

If selected for this project and prior to starting work, Green Mountain Engineering will provide to the Town a Certificate of Liability Insurance with liability coverage of no less than \$1,000,000 per occurrence and \$1,000,000 per aggregate, naming the Town of Charlotte as an additional insured. The Certificate will also include Workers Compensation Insurance.

**VII. STATEMENT OF SERVICES WITHIN THE TOWN OF CHARLOTTE**

If selected for this project, Green Mountain Engineering agrees that it will not perform any services to developers, businesses, or residences of the Town of Charlotte, for project(s) within the Town which is subject to review by the Town which would result in a conflict of interest.

**VIII. ENGINEERING FEES AND EXPENSES**

Table 2 provides an hourly fee schedule summarizing our hourly rates by job title and grade.

**Table 2  
Hourly Fee Schedule**

<b>Job Title/Grade</b>	<b>Hourly Rate</b>
Engineer I	\$115.00
Engineer II	\$95.00
Engineer III	\$85.00
Technician I	\$75.00
Administrative Assistant	\$55.00
Survey Crew (2)	\$125.00

Table 3 provides a summary of miscellaneous expenses not included in the hourly fee schedule above.

**Table 3**  
**Miscellaneous Expenses**

<b>Miscellaneous Expense</b>	<b>Cost</b>
Travel, Auto	\$0.56/mi.
Shipping, Postage, Messenger	@cost
Reproduction	@cost
Other Direct Costs	@cost
Subconsultants	@ cost plus 8% administrative fee

**APPENDIX A**

**RESUMES**

## MR. ALAN HUIZENGA, P.E.

**M**r. Huizenga has over twenty eight years of experience in the civil and environmental engineering fields. His experience includes design engineering, permitting, project management, residuals management and site-planning.

From 1984 to 1994, Mr. Huizenga was first a design engineer, and then operations manager, for a branch office of a consulting engineering company. Throughout this period, Mr. Huizenga was responsible for engineering designs, studies and permitting related to civil and environmental projects including water supply, wastewater treatment, storm water, solid waste management, transportation engineering, hazardous waste management and remediation, environmental site assessments, and environmental audits. As a municipal engineer in New Jersey, Mr. Huizenga was in charge of both the design and review of projects related to subdivision and site planning.

Mr. Huizenga worked for Green Mountain Engineering, Inc. from 1994 to 2000 as a project engineer and a project manager. From 2000 to the 2003 he was employed as Vice-President of a Vermont engineering firm in a similar capacity. He returned as Vice-President of GME in 2003 as Managing Partner and Project Team Leader. In May 2007, Mr. Huizenga became sole owner and President of GME.

### EDUCATION

M.S., 1989, Water Resources Planning and Development, Drexel University  
B.S., 1984, Civil Engineering, University of Vermont

### PROFESSIONAL REGISTRATIONS

Professional Engineer:

Vermont, 1990, #5905

New Jersey, 1989, #34364

New Hampshire, 2004, #11482

### VOLUNTEER EXPERIENCE

Mr. Huizenga was at Selectboard member in the Town of Bristol from April 2008 through March 2013.

### SELECTED PROJECT EXPERIENCE

#### Town of Bristol, Vermont

#### Water & Sewer Collection & Treatment Subsurface Planning Study and General Consulting Final Design and Construction Phase Engineering for Stormwater Improvements

GME has been working with the Town of Bristol since 1992, providing annual compliance inspections and reporting. In 2007, we completed a facilities plan and evaluation of subsurface utilities for the former Village area. The project included data collection, engineering evaluations and a final report for municipal offices, providing a prioritized matrix of segment of subsurface utilities to be repairs or replaced with Opinions of Probable Construction Cost and potential sources of funding identified. In 2009, we assisted the Town with utilizing ARRA funding for the removal and replacement of approximately 3,200 linear feet of existing storm drain and appurtenances, a partial-re-grading of North Street, implementation of curb and gutter, and approximately 2,000 linear feet of water main replacement. Construction Contract Documents, Bid Phase Services and Resident Inspection services have all been provided.

**Town of Richmond, Vermont**

**Facilities Planning/Preliminary Engineering, Final Design and Construction Phases, and Subsurface Planning Study**

**Richmond Village Infrastructure Rehabilitation**

In 2005, GME successfully completed research and evaluation of all subsurface structures to address necessary upgrade and/or replacement. Provided Facilities Planning, Final Design Phase and Construction Phases for seven municipal infrastructure projects to include hydraulic analyses, water main replacement and surface reconstruction, drop manhole repair, service connection work, fire hydrant placement and replacement, stormwater main replacement, storm drain upgrades, streetscape modifications, cleaning and re-lining existing lines, and onsite resident representation for two current construction contracts. GME has successfully provided funding research and applications, permitting assistance, R.O.W. research assistance, topographical survey and subsurface investigation, and bid phase services to date.

**Jericho Fire District #1 P.E.R., Final Design and Construction Phases, Jericho, Vermont**

Completed Preliminary Engineering Report, for recommendations on improvements to the existing water system consisting of modifications to the existing reservoir, the existing Culligan® system, replacement of existing controls to provide for remote monitoring, minor repair/replacement of valves and blow-offs, a booster pump station for all users, and system security enhancements, in February 2005. Final Design and Construction Phases complete in 2006.

**Isle LaMotte School Drinking Water System Improvements Design and Construction Phases**

GME provided Professional Engineering Services to design an upgrade based on providing additional potable water storage in order to meet chlorine contact requirements, designing/specifying a stand-by chlorination system and configuring additional space to accommodate the necessary components. Also prepared detailed construction drawings, specifications and contract forms for Construction Phase.

**The Greatwood Management Company, LLC, Shelburne, Vermont**

Professional Engineering services in the form of monthly groundwater contour mapping for an industrial site in Brooklyn, New York based on raw data collected at the site, and survey data provided by others.

**Goodrich Fuel & Utility Systems, Vergennes, Vermont**

Provided Consulting Engineering services for updating of the physical plant's Integrated Contingency Plan (ICP) with assistance from others. The document was developed according to guidance provided by the US Department of Environmental Protection National Response Team's ICP Guidance.

**VT Water Supply Division Small Water Systems Facilities Improvement Plans / Regions I, II & IV**

Provided professional engineering services to evaluate small public community water systems and non-transient non-community water systems for approximately 75 Water Supply Division designated systems. Evaluation reports included system descriptions, short and long-term recommended improvements with cost estimates, and recommendations to address Water Supply Division identified deficiencies.

**Mobile Acres Mobile Home Park c/o The Housing Foundation, Inc., Montpelier, Vermont**

Provided Professional Engineering services as required for the engineering of a wastewater disposal system for up to 24 mobile home lots and water system upgrade for the mobile home park in Braintree.

**VT Water Supply Division Evaluation of Small Public Community Water Systems / Region 3**

Completed facilities planning and evaluations for 32 Water Supply Division designated water systems in 2000. Services included review of water systems' information, site visits and inspections, documentation review and report preparation. Evaluation reports included system descriptions, useful life for each system component, estimated replacement costs for said components, yearly sinking fund calculations, cost estimates and recommendations to address Water Supply Division identified deficiencies and analysis of the potential for connection or consolidation with adjacent systems.

**Vermont Youth Conservation Corps - Site Planning and Engineering, Richmond, VT**

Performed engineering services for the site design, engineering, water and wastewater permits and Act 250 permit for a training facility on approximately 3.5 acres. Services included project management, topographical survey, subsurface investigations, site plan and grading plan for a wastewater system to include onsite collection and pump station design.

**Vergennes - Pantown Water District Water System Improvements**

Project Manager for the Final Design and Construction Phases of Contracts No. 1, 2 & 3. Contract No. 1 consisted of a new 450,000 gallon water storage tank; Contract No. 2 encompassed a bridge-crossing project with a 12-inch water main; and Contract No. 3 was the upgrade of the water treatment plant.

**Town of Pawlet, VT Consulting Engineering Services**

Performing civil engineering and ongoing consulting services as required for assistance with various issues related to the municipal wastewater treatment plant including wastewater collection, treatment and sludge disposal. Providing assistance with site investigations, research of flow measurement, and sludge disposal alternatives.

**Pittsford Wastewater Treatment Plant Upgrade, Contract No. 2, Pittsford, Vermont**

Wastewater Treatment Facility upgrade consisting of a Sequox® Wastewater Treatment System, new control building, poured-in-place process tanks, pump station upgrades, site work and demolition. Provided Preliminary Engineering and Final Design assistance in 2000.

**Pittsford Collection System Improvements, Contract No. 1, Pittsford, Vermont**

Collection System Improvements consisting of sewer lining and manhole rehabilitation with installation of hatches, manhole covers and one new manhole. Provided Preliminary Engineering and Final Design assistance in 2000.

**Town of Newport Water System Improvements, Newport, Vermont**

Final Design and Construction Phase Resident Representation for pump house with approximately 1,040 lineal feet of transmission main, flow measurement, pumps, and pump controls.

**Lunenburg Fire District #2, Gilman, Vermont**

Preliminary Engineering, Final Design, and Construction Phase Resident Representation for upgrading the storage, transmission and distribution system, and to add fire protection capability.

## BRAD M. WASHBURN, P.E.

**M**r. Washburn joined the GME staff in 2011. He has over Thirteen years of experience in civil and environmental engineering including project management of residential and commercial site design which including finish grading, stormwater design and permitting, municipal storm sewer, municipal water service, municipal sewer, erosion and sediment control plans; Stormwater Pollution Prevention Plans, roadway re-construction and rehabilitation projects; stream bank restoration; sand and gravel extraction pits and rock quarries and on-site wastewater disposal and water system design, permitting presentation and studies. In addition, Mr. Washburn has performed onsite Resident Engineering for many projects and his technical skills include AutoCAD Civil 3D drafting, Hydro-Cad, WaterCad and topographic surveying and construction layout. Prior to joining GME, Mr. Washburn worked for two consulting engineering firms in Vermont as a Project Engineer and Project Manager.

### EDUCATION

A.E., Civil and Environmental Engineering, Vermont Technical College, May 2001

### PROFESSIONAL REGISTRATIONS & AFFILIATIONS

Licensed Professional Engineer with the State of Vermont #97588  
Certified Professional in Erosion & Sediment Control #5995  
Vermont Agency of Natural Resources – Class B Licensed Designer with Water Certification #453  
Village of Marshfield Trustee – Water and Sewer Commissioner

### SELECTED PROJECT EXPERIENCE

#### Grand Isle Consolidated Water District-Grand Isle, Vermont – Water System Improvements

Providing final consulting engineering design and permitting for the construction of a Granular Activated Carbon filtration system that includes the construction of a large building addition, a 36,000 gallon wet well, controls and automation upgrades and intake pump replacements. Prepared and presented preliminary engineering report and pilot study of the GAC system to the users of the water system.

#### N.G. Advantage, LLC. in Milton, Vermont – Natural Gas Filling Station

Provided consulting engineering design and resident engineering services for the construction of a natural gas filling station for large tractor trailer haul trucks and fleet cars. Services included, water, sewer, storm water, traffic analysis, and preparation of all plans, permitting and specifications for the site portion of the project.

#### Town of East Haven in East Haven, Vermont – Water System Improvements

Provided consulting engineering design and resident engineering services for the construction of a new 80,000 gallon finished water reservoir including controls upgrades and the replacement of out of service fire hydrants with new fire hydrants.

#### Stone Environmental – Franklin Septic Feasibility Study in Franklin

GME, working with Stone Environmental, successfully provided consulting engineering services for a Wastewater Evaluation of Franklin Village area and Lake Carmi shoreline, with funding provided by the Vermont Department of Environmental Conservation. Assisted with assessment of current onsite wastewater infrastructure and management practices, evaluation of wastewater treatment and dispersal technologies and options, development of shared or community wastewater system alternatives, including

preparation of preliminary opinions of probable total project cost for each alternative, and prioritization and preparation of report and presentation to committee.

**Stone Environmental – Huntington Water/Wastewater Capacity Assessment**

GME, working with Stone Environmental, successfully provided consulting engineering services for a hydrology-based water and wastewater capacity evaluation for three areas within the Town of Huntington. Assisted with assessment of management practices for wastewater treatment systems and potable water supplies, evaluation of current conditions, capacity and need, analysis of alternatives, including preparation of preliminary opinions of probable total project cost for each alternative, evaluation of funding options, and prioritization and preparation of report and presentation to committee.

**Saint George Fire District #2 in Saint George, Vermont – Water System Improvements**

Provided consulting engineering services for the water system improvements for an existing community water system. Upgrades include the rehabilitation of the existing 10,000 gallon reservoir, construction of a new control building, booster pump replacements, Hydro-pneumatic tanks and more. Also has been assisting the District with funding through the State of Vermont DWSRF loan program.

**Greensboro Bend Fire District No.2 in Greensboro, Vermont – Water System Improvements**

Provided consulting engineering services for the water system improvements for the existing community water system. Upgrades include a 950' water main extension and chlorine contact time storage and monitoring systems. Also assisting the District with funding through the State of Vermont DWSRF loan program.

**Willowell Foundation in Monkton, Vermont – Site Planning and Engineering**

Provided consulting engineering services for the site design and engineering of a planned educational development project for The Willowell Foundation on approximately 220 acres on Bristol Road in Monkton, Vermont, and assisting with obtaining necessary permits for the project.

**Rathbun Gravel Pit in Bristol, Vermont – Compliance Evaluation**

Provided consulting engineering services with Act 250, Multi-Sector General Permit (MSGP) and Underground Injection Control (UIC) Permit compliance and reporting for a sand and gravel pit in Bristol, Vermont. The Scope of Services includes review of existing site, permitting assistance, planning and engineering services.

**Zaremba Group, LLC in Williamstown, Vermont - Dollar General Site Design & Permitting**

Provided professional engineering services for a proposed 13,000 sq.ft. Dollar General store located on Business Center Road in Williamstown, Vermont. Performed all AutoCAD drafting, parking and access design, stormwater design and permitting, wastewater design and permitting, provided expert testimony at local DRB and Act 250 boards and overall project management.

**Ridge Road Quarry, LLC in Randolph, Vermont – Rock Quarry Design & Permitting**

Provided professional engineering services for a proposed 50,000 cubic yard per year rock extraction quarry located on Ridge Road in Randolph, Vermont. Performed AutoCAD drafting, overall site design, hydrologic modeling, haul road access design, volume calculations, wetland evaluations, prime agricultural soils analysis, reclamation plans, expert testimony at local DRB and Act 250 hearings, stormwater design and permitting, wastewater design and permitting, contributed narrative to portions of the Act 250 application and prepared industrial stormwater discharge permit application (MSGP) exhibits and narrative.

**Town of Braintree in Braintree, Vermont – Sand & Gravel Pit Design & Permitting**

Provided professional engineering services for a sand/gravel extraction pit for the Town of Braintree in Braintree, Vermont. Performed AutoCAD drafting, overall site design, hydrologic modeling, volume calculations, topographic surveying, exploratory soil test pits and evaluation, expert testimony at local review board hearings, Preparation of the Stormwater Pollution Prevention Plan, layout, inspections and overall project management. Also prepared the industrial stormwater discharge permit application, exhibits and narrative.

**Town of Braintree in Braintree, Vermont - Sand & Gravel Pit Design & Permitting**

Provided professional engineering services for the restoration of 200' of the eroding Riford Brook River Bank. Performed Final Design Phase engineering, HydroCAD stream flow analysis, and permitting through the State of Vermont Stream Alterations and River Management Division.

**Town of Northfield - Box Culvert Design & Drainage Improvements**

Provided consulting engineering services for the evaluation and design engineering for drainage improvements located on School Street in Northfield, Vermont. The final design included the construction of a 150' long precast box culvert, stream bank reshaping and armoring, replacement of existing storm sewer catch basins and outlets, sidewalk and roadway repaving. Performed site survey, Auto CAD drafting, final design, layout, liaison with the precast concrete manufacturer, resident engineering and overall project management.

**Town of Moretown - River Road Drainage Improvements**

Provided consulting engineering services for the design of 1500' of roadway improvements including filling, re-grading, stream bank restoration, bedrock removal, replacement HDPE culverts, box culvert design for a section of road that annually flooded. Worked with the Army Corps of Engineers, Vermont Wetlands Division Stream Alterations for permitting and assisted the Town with grant and funding paperwork through VTrans.

**Simpson Development - Olcott Drive, Hartford, Vermont - Site Design & Permitting**

Provided consulting engineering services for the Construction of 15,000 square foot industrial condominium warehouse spaces on 2.37 acre lot in Olcott Commerce Park in addition to the construction of 3 mini-storage warehouse buildings totaling 10,200 square feet. Performed AutoCAD drafting, overall site design, hydrologic stormwater modeling of stormwater infrastructure, ingress & egress access design, volume calculations, expert testimony at local DRB and Act 250 hearings, stormwater design and permitting, wastewater and water design and permitting, guidance on Act 250 Application and resident engineering construction services.

**Thompson Hill Campground - Topsham, Vermont - Site Design & Permitting**

Provided consulting engineering service for the construction of a 110 space RV and tent campground. Services included all water, wastewater design and permitting, final grading, topography, construction layout, inspection and roadway design. Assisted with ACT 250 application, stormwater management and local DRB hearings.

## MR. KEVIN CAMARA, P.E.

**M**r. Camara has over twenty six years of experience in the civil and environmental engineering fields. His professional expertise is in the study, final design, permitting and construction of municipal, commercial and residential water, wastewater, storm water, residuals and solid waste projects. He has a strong background in decentralized wastewater management projects including the design of innovative/alternative wastewater treatment and disposal systems. He also has a strong background in municipal wastewater projects including wastewater treatment facilities, sewer pump stations, sewer lines, and biosolids management.

From 1988 to 1990, Kevin worked for an environmental services company specializing in soil, groundwater, and air sampling, analysis, and reporting.

From 1990 to 2014, Kevin worked at a Vermont engineering firm specializing in water resources engineering, first as a staff engineer, then as a project engineer and project manager. Throughout this period, he was responsible for engineering studies, designs, permitting, and construction engineering services related to civil and environmental projects including water supply, wastewater, storm water, solid waste management, combined sewer overflows (CSOs), civil/site designs and biosolids management.

From 1986 to 1992, Kevin was a member of the United States Army Reserves, Corps. Of Engineers, 368th Combat Engineer Battalion and attained position of Company Commander and the rank of Captain.

### EDUCATION

B.S., 1988, Environmental Engineering Technology, Norwich University

### PROFESSIONAL REGISTRATIONS

Professional Engineer:

Vermont, Civil (compliant with ANR Designer License), 2011, #59636

Licensed Designer:

Vermont, Class B with water supply certificate, 2004, #489

### SELECTED PROJECT EXPERIENCE

#### Town of Brandon, Vermont

##### Water, Sewer, Storm Water, Subdivision and Land Use Review

Performed water, sewer, subdivision and land use review for development projects in the Town of Brandon.

#### Hazen Union High School, Hardwick, Vermont

##### Civil, Site, Water, Wastewater and Storm Water Designs for School Expansions

Performed final designs and permitting of civil, site, water, wastewater and storm water for two (2) separate school expansion projects. Performed roadway, parking lot, site grading, storm water, water and sewer for a new remotely located forestry school.

**Lamoille Union High School, Hyde Park, Vermont**

**Civil, Site, Water, Wastewater and Storm Water Designs for School Expansions**

Performed final designs and permitting of civil, site, water, wastewater and storm water for two (2) separate school expansion projects.

**Montgomery Elementary School, Montgomery, Vermont**

**Civil, Site, Water, Wastewater and Storm Water Designs for School Expansion**

Performed final designs, permitting and construction engineering services of civil, site, water, wastewater and storm water for parking lot expansion, water line extension, leach field addition, and site grading for school expansion project.

**Village of Poultney, Vermont**

**Bentley Ave and Grove St. Water, Sewer, and Storm Drainage Replacement and Road Reconstruction**

Final design, permitting and construction engineering services for water, sewer, and storm drainage replacement and road reconstruction on Bentley Avenue and Grove Street.

**U-32 High School, Montpelier, Vermont**

**Civil, Site, Water, Wastewater and Storm Water Designs for School Expansions**

Performed final designs and permitting of civil, site, water, wastewater and storm water for two (2) separate school expansion projects and a new school district office building.

**City of Vergennes, Vermont**

**VT Route 22A Sewer, and Storm Drainage Replacement and Road Reconstruction**

Final Design and permitting for sewer, storm water and road reconstruction along a section of Route 22A in Vergennes.

**Town of Warren, Vermont**

**Wastewater Connection Review and Construction Observation**

Performs reviews for the Town of applications for new wastewater connections to the Town's wastewater connection system. Performs construction observation of the connections to the Town's sewer collection system.

**Town of Williston, Vermont**

**Subdivision and Land Use Review and Construction Observation**

Performed subdivision and land use review for development projects in the Town of Williston. Performed construction observation for portions of work areas that were to be deeded over to the Town of Williston.