

**ENGINEERING SERVICES FOR EMERGENCY WATERSHED PROTECTION  
PROGRAM**

**BID FORM**

**Submit this page along with supporting documents as your complete bid proposal**

**Lump Sum Engineering Services for 2941 Dugway Rd.**

\$: 11,000.00 \_\_\_\_\_

**Lump Sum Engineering Services for 572 Governor Peck Rd.**

\$: 11,000.00 \_\_\_\_\_

**The Town of Richmond reserves the right to accept or reject any or all bids, or parts thereof, or to select the bid to be in the best interest of the Town.**

**Bid submitted by:**

Contractor: New England Consulting Engineers LLC

Address: 120 Northgate Avenue, Morrisville, Vermont 05661

Phone: 802 279 3257 E-mail: dleavour@newengce.com

Contractor Authorized Agent Signature: B. Dexter Lefavour

Printed Name and Title: B Dexter Lefavour, PE, Principal Engineer

Date bid Signed: 8/8/24



August 8, 2024

Josh Arneson  
Town of Richmond  
Richmond Town Center  
203 Bridge Street, P.O. Box 285  
Richmond, Vermont 05477

SUBJECT: Proposal for Civil Engineering Services  
Town of Richmond - Emergency Watershed Program

Greetings:

We are pleased to submit this Proposal for Civil Engineering Services related to the Town of Richmond, Emergency Watershed Program. New England Consulting Engineers, LLC is the combined practice of Lefavour PC, a civil/environmental engineering firm, with the engineering division of the N.A. Manosh Corporation, a well drilling and construction company. Our predecessor engineering firm has provided engineering services to municipal clients since 1995, and the well drilling company since 1959.

We have visited the project sites and review the NRCS Damage Survey Reports. We understand the scope of the project is to provide engineering services in support of the construction of 145' x 4' rip rap at 572 Governor Peck Road and 585' x 5' rip rap at 2941 Dugway Road.

Our experience includes the successful completion of many municipal projects, including many bridge and culvert replacement projects in Vermont and throughout New England. Our Principal Engineer, B. Dexter Lefavour, PE has over 40 years of experience in civil engineering. We are in the unique situation of being a start-up firm with uncommitted resources for the timeframe necessary to quickly complete your project.

Presently, our workload includes the design of multiple EWP projects for the Towns of Middlesex (10 sites) and Marshfield (6 sites). The technical aspects of these projects include a survey and hydraulic and hydrologic analysis of multiple streams, slope restoration and debris removal. We have full in-house capabilities in water resource, structural and geotechnical engineering design and analysis and the necessary technical requirements for this project. We are well-versed in Hydrocad, HECRAS and Vermont DEC Stormwater and River Management Practices. We have a good understanding of the work required to complete the design and permitting. We approach every design in a way that ensures a sustainable and low-cost solution. We are very interested in this project and our workload and local presence will enable us to complete the work quickly and effectively.

New England Consulting Engineers, LLC  
120 Northgate Avenue  
Morrisville, Vermont 05661

[www.NewEngCE.com](http://www.NewEngCE.com)

802 279 3257

### Scope of Services

We intend to provide the requested scope of work and have added some further definition to document our assumptions about it.

#### **1. *Site Visits and Project Kickoff Meeting***

NECE will attend a project kick-off meeting and site visit with Town staff to discuss the project timeline, design objectives, permit requirements, and any other issues pertinent to the project. The meeting may be held in person or remotely at the discretion of the participants. NECE will schedule the meeting within two weeks of the contract start date. NECE will provide meeting minutes for the project kick-off meeting to the Town.

#### **2. *Topographic Survey and Base Plan Development***

We will conduct a topographic survey of each site and prepare base plans at an approximate scale of 1"=20', with 1 foot contours.

#### **3. *Preliminary Design***

NECE will prepare preliminary designs the site. An itemization of the typical elements of a site's design is presented below:

- Site layout and grading plans to show description of improvements, limits of work, site access, work areas, surface features;
- Analyze existing flood studies and floodplain maps to assess proper design flood elevations and bank stability requirements;
- Prepare preliminary designs and cost estimates for the work. Preliminary designs will include plans, sections, and typical details.
- Preparation of NRCS-Required Documentation including O&M Manual

We will prepare an Engineer's Report to present and summarize the project criteria, assumptions and goals. We will prepare a brief Preliminary Design Report to summarize these findings in narrative form with appropriate attachments. We have included a meeting to review the Preliminary Design Report.



#### **4. *Final Design***

Based upon the review of the preliminary designs, cost estimates and report by the CLIENT and further engineering analysis and design, we will prepare the Final Design Review Package. The Final Engineering Design will primarily involve the addition of detail to the preliminary design. We will add more drawings to include more detailed and smaller scaled plans, site layout, grading, sections, details, erosion control plans and details. Technical specifications and contract documents will also be prepared under this task. Additionally, we will update the basis of design package, which includes the hydraulic model, streambank stabilization calculations, and cost estimates. We will prepare a brief Final Design Report to summarize the design in narrative form, with appropriate attachments. Other deliverables include final plans and technical specifications. We have included a meeting to review the Final Design Report. We recommend including DEC River Management staff in this review.

We will furnish the Final Design package for review and respond to review comments. We have included a meeting to review the Final Design package. We will incorporate appropriate edits into the Final Design documents for use as Bid Documents.

#### **5. *Permitting***

We will contact regulatory agencies to determine permit requirements for the work. We will prepare permit applications for a VTDEC Stream Alteration Permit and a USACE Nationwide Permit, and review the project configuration with applicable regulatory requirements to confirm that no other permits are required at the various project completion stages.

#### **6. *Bid Services***

Assist CLIENT in advertising for and obtaining bids or proposals for the Work, assist Owner in issuing assembled design, contract, and bidding-related documents (or requests for proposals or other construction procurement documents) to prospective contractors, and, maintain a record of prospective contractors to which documents have been issued, attend pre-bid conferences, and receive and process contractor deposits or charges for the issued documents. Prepare and issue Addenda as appropriate to clarify, correct, or change the issued documents. Provide information or assistance needed by CLIENT in the course of any review of proposals or negotiations with prospective contractors. Consult with CLIENT as to the qualifications of prospective contractors. Attend the bid opening, prepare bid tabulation and assist CLIENT in evaluating bids or proposals, assembling final contracts for the Work for execution by CLIENT and Contractor, and in issuing notices of award of such contracts.

7. *Services During Construction*

- a. NECE will act as CLIENT's representative as provided in the Construction Contract.
- b. Answering questions and providing supplemental information to the CLIENT and Contractor.
- c. Preparation of change orders
- d. Review of submittals (i.e. shop drawings and certifications)
- e. Maintenance of project files and records.
- f. We include 24 hours of part-time on-site inspection in the Scope of Services:
- g. Check that the contractor is in compliance with all construction contract requirements, Town and State permits and ordinances; property rights agreements; erosion and sediment control, regulations and statutes; and federal regulations and statutes; and exercise the engineer's authority as provided in the contract documents and report immediately any deviations to the Town.
- h. Development of final as built plans by marking up a set of contract plans.

8. *Project Communications and Management*

NECE organize review meetings at various stages completion with the project partners and other stakeholders and be responsible for providing a summary of the meetings (i.e., meeting minutes), including meeting outcomes, planned actions, and other meeting discussions. We will organize landowner meetings to discuss project design(s) and confirm landowner commitment to proceed with project implementation will schedule, conduct and record the minutes of each meeting. We have included meetings with up to four (4) landowners.

**Project Deliverables**

The table below summarizes the tasks that will provide the deliverables identified in the RFP.

Cross Reference Scope to Deliverables	
Deliverables	Task
1. Design documentation that will demonstrate that the criteria in NRCS practice standard have been met and are compatible with other planned and applied practices.	
a. Practice purpose(s) as identified in the Damage Survey Report (DSR).	3
b. List of required permits to be obtained and follow through on obtaining necessary permits and easements.	5
c. Impacts on adjacent properties and structures.	3
d. Compliance with NRCS national and state utility safety policy (NEM Part 503-Safety, Subpart A - Engineering Activities Affecting Utilities 503.00 through 503.06).	3/4
e. Practice standard criteria related computations and analyses to develop plans and specifications including but not limited to:	
i. Geology/Soil Mechanics	3/4
ii. Hydrology/Hydraulics	3/4
iii. Structural	3/4
iv. Vegetation/Soil Bioengineering	3/4
2. Written plans and specifications including sketches and drawings shall be provided to the client and property owner that adequately describes the requirements to install the practice and obtain necessary permits.	3/4
3. Create Request for Proposal for contractor, manage the RFP process, review submissions, and make recommendation to client and property owner on preferred contractor.	4
4. Design Report and Inspection Plan as appropriate (NEM Part 511, Subpart B Documentation, 511.11 and Part 512, Subpart D Quality Assurance Activities, 512.30 through 512.32).	3/4
5. Operation and Maintenance Plan	3
6. Certifications that the design meets practice standard criteria and comply with applicable laws and regulations (NEM Subpart A, 505.3).	4
7. Design modifications during installation as required.	8
<b>INSTALLATION</b>	
Deliverables	
1. Pre-Installation conference with Sponsor/client, Vermont ANR-DEC River Management Engineer, NRCS, contractor, and property owners.	8
2. Verification that engineer has obtained permits.	8
3. Staking and layout according to plans and specifications including applicable layout notes.	8
4. Installation inspection (according to inspection plan as appropriate).	
a. Actual materials used.	8
b. Inspection records	8
5. Facilitate and implement required design modifications with Sponsor/client, property owner and original designer.	8
6. Advise client/NRCS on compliance issues with all federal, state, tribal, and local laws, regulations and NRCS policies during installation.	8
7. Certification that the installation process and materials meets design and permit requirements.	8





**Town of Richmond**  
**August 8, 2024**  
**Page 6**

**Project Schedule**

We will complete this project in accordance with the following schedule.

Town of Richmond Emergency Watershed Program Project Schedule														
LABOR		Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25
Scope of Work:														
1	Site visits and project Kickoff Meeting	█												
2	Topographic Survey and Base Plan Development	█												
3	Preliminary Design		█											
4	Final Design		█	█										
5	Permitting		█	█										
6	Bid Services					█	█							
7	Services During Construction													
8	Project Communications and Management	█	█	█	█	█	█	█	█	█	█	█	█	█



**Professional Fee**

For the services described in Items 1 through 8 of the Scope of Services the Client shall pay the Consultant a lump sum fee of twenty-two thousand dollars (\$22,000.00), including expenses.

Please feel free to reach out to us with questions. We appreciate this opportunity to be of service to the Town of Richmond.

Very truly yours,

NEW ENGLAND CONSULTING ENGINEERS LLC

B. Dexter Lefavour, PE  
 Principal Engineer

## **GENERAL QUALIFICATIONS**

New England Consulting Engineers LLC is a innovative engineering and environmental consulting business established in 2023 that pays special attention to the needs of its small northern New England clients. The business was formed by combining a civil/environmental engineering firm with the engineering division of water and geothermal well drilling company. The roots of the two businesses date back to 1995 and 1959, respectively. Our work experience for municipal, industrial, resort and land development wet infrastructure projects is broad. We specialize in the planning, design and construction of water resource engineering projects, such as stormwater engineering, flood studies, stream hydraulics and hydrology and related computer modeling. We are a leader in assisting our clients with the implementation of progressive solutions to environmental problems using state of the art technologies. The general types of projects, which New England Consulting Engineers is experienced, qualified and interested in are:

- Wastewater Treatment
- Water Supply
- Water Resources
- Solid Waste
- General Civil Engineering (Site Design, Land Development, Roads,
- Permitting (Act 250, Solid Waste Certifications, Water and Wastewater, etc.)
- Environmental Site Assessments

Some of special capabilities in water resources engineering include:

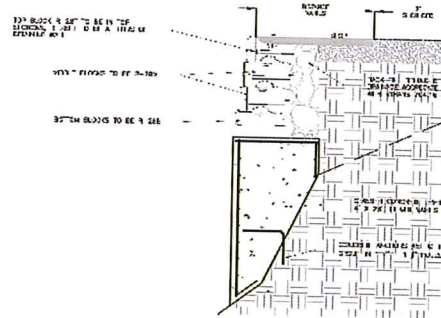
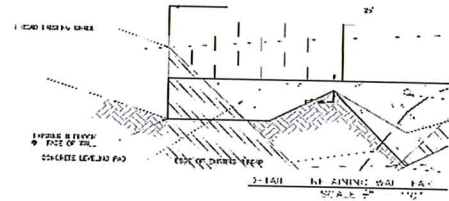
- Hydrology
- Design of retention, treatment and infiltration facilities
- Hydraulic design of pipes and culverts
- Small bridge design
- Dam reviews
- Stream stabilization
- Dam removal
- Flood studies
- TR-55, SWMM, HydroCad, StormCAD, HECRAS Modeling
- Related permitting and coimpliance



Water Resources Engineering Experience

**Town of Wolcott, VT – Jones Road, East Hill Road,  
Town Hill Road and Flat Iron Road FEMA Flood  
Repair Projects**

Provide design, bidding, and construction assistance to the Town for four water resources projects including HECRAS analysis of multiple streams, retaining wall, geo-reinforced slope stability and many stormwater and water resources site repairs and restorations.



**Town of Fairlee, VT – Highlands Camp Culvert Replacement**

Replace and relocate existing culvert, New headwall, channel protection and erosion control measures, roadway and site design. Provide grant assistance, design services and construction oversight.





**Town of Haverhill, NH – Page Road Bridge**

Replace existing culvert with new bridge for aquatic organism passage, roadway and site design, HECRAS Analysis, wetlands permitting.



**Town of Braintree VT – West Street Bridge**

Replace existing culvert with new cast in place concrete bridge for aquatic organism passage, roadway and site design, HECRAS Analysis, wetlands permitting





**The Maples, Warren, VT**

Designed a Zero Discharge stormwater management including a natural infiltration BMP.



**The Balsams, Dixville Notch, NH** – Prepare comprehensive stormwater Management Plan for entire resort including several BMPs for stormwater treatment and management.

**Town of Fairlee, VT** – Lake Morey Road 2020 Culvert Replacement – replace two culverts and remove retaining walls, culvert, roadway and site design.

**US Forest Service, Campton NH** – Beebe River Access Road – Assist with pre-engineering block walls, bridge designs, streambed stability, HECRAS

**Appalachian Mountain Club, Crawford Notch NH** – Culvert Replacement- install new culvert where stream jumped channel; HECRAS Analysis

**Blackmount Country Club, Haverhill NH** - Clark Pond Dam Removal – dam removal, channel design (cascade with riffles), streambed stability, HECRAS, wetlands permitting

**Town of Haverhill, NH – Stonecrest Drive** - replace existing culvert for aquatic organism passage, new pipe arch culvert, roadway and site design, Manning's Analysis, wetlands permitting

**Town of Braintree VT – Lemery Road Culvert**, replace existing culvert for aquatic organism passage, new pipe arch culvert, roadway and site design, Manning's Analysis, wetlands permitting

**Middlesex Electric, Berlin VT – HECRAS Study Winooski River-** HECRAS Analysis Winooski and Dog Rivers for development within the floodway

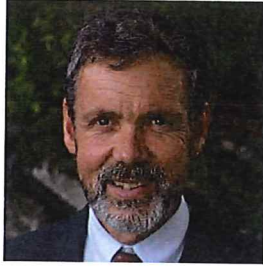
**Town of Natick, MA – Townwide Drainage Study**, HEC2 hydraulic profiles, flood level modelling, hydraulic analysis of streams and structures

**Town of Barre, VT – Stormwater Management Plan** – Bridge Street reconstruction project, analysis of existing drainage areas and design of new conveyance systems

**City of Portsmouth, NH – Drainage Design** – Hislop Park Improvements, design of conveyance and treatment facilities for run-off from new parking lot



## RESUME



**B. Dexter Lefavour, P.E. ,**  
Principal Engineer

**REGISTERED PROFESSIONAL ENGINEER** – Vermont, New York, Maine and New Hampshire, Massachusetts (inactive)

**EDUCATION:** B.S.C.E., Tufts University, Medford, MA -1978  
Danvers High School, Danvers, MA – 1974  
OSHA 40 hour Hazardous Site Worker Certification

**CURRENT POSITIONS:** Engineer in Private Practice (self)  
Adjunct Professor of engineering (Norwich University)

### **Johnson, Vermont, Project Manager**

Completed planning, design and construction for upgrade for phosphorous removal for 0.2 MGD extended aeration plant. The plant was converted to SBR. This was the first municipal SBR in Vermont and it receive excellence awards. The facility was also modified for UV disinfection and windrow composting.

### **Swanton, Vermont**

Provide Preliminary Engineering, Final Design and Construction services for the upgrade of this 30 acre round waste pond. The upgrade for phosphorous removal included developing an aerated lagoon section and a solids contact clarifier to this 0.9 MGD stabilization pond.

### **Troy/Jay Vermont, Project Manager**

Design three new aerated lagoons for 80,000 gpd, 1,300 mg/l BOD of combined municipal and dairy waste. This facility also served a ski resort.

### **Barre, Vermont**

Preliminary Engineering for an Advance Waste Treatment upgrade of a 3.0 MGD conventional activated sludge plant (for nitrification and phosphorous removal).

**Town of Lisbon, New Hampshire, Principal Engineer** – Completed a pipe network distribution analysis for the Town. We identified and prioritized system expansion and improvement alternatives. Prepared a GIS map of the distribution system.

### **Village of Walden, New York, Project Engineer**

Conducted a town-wide search for unconfined aquifers consisting of test drilling and preliminary water quality analysis. Selected a site for development of a 1,100 gallon per minute gravel packed well. Prepared plans, specifications and bid documents for a 12” transmission main, well construction, controls, and site access road for the development of this 1.5 MGD groundwater supply. Provided permitting assistance with the State and County Health Departments and for review under the State Environmental Quality Review Act (SEQRA).

**Washington, VT Fire District, Project Manager**

Planning and design for a 6,000 gallon per day municipal water system, including a free flowing, artesian, bedrock well, 100,000 gallon storage tank, transmission main, well pumping system and controls, and distribution and service improvements. Planning assistance included test drilling, well testing for yield and water quality, and assistance in the formation of a new municipal entity to own and operate the system. Provide grant assistance to obtain funding from the USDA and the state of Vermont. Prepared O&M Manual and assisted with troubleshooting and start-up.

**Champlain Water District, Burlington, Vermont, Project Engineer**

Created the base model and conducted the pipe network distribution analysis for a six town water district using Kentucky pipes software.

**The Maples Condominiums, Warren VT, Principal Engineer**

Preparing complete testing and design documents, analysis and engineering for this 10,000 gpd water system serving 18 condominiums in Warren, Vermont.

**RMC Mobile Home Park, Berlin VT, Principal Engineer**

Complete source testing, approval and construction services for a new water supply for a 23 unit mobile home park. Also performed CT analysis and design of disinfection system improvements. Have also served as the system operator for multiple years.

**Town of Fairlee, VT – Lake Morey Road 2020 Culvert Replacement, Project manager**

Replace two culverts and remove retaining walls, culvert, roadway and site design

**Appalachian Mountain Club, Crawford Notch NH**

Culvert Replacement- install new culvert where stream jumped channel; HECRAS Analysis

**US Forest Service, Campton NH – Beebe River Access Road**

Assist with pre-engineering block walls, bridge designs, streambed stability, HECRAS

**Town of Haverhill, NH – Page Road Bridge**

replace existing culvert with new bridge for aquatic organism passage, roadway and site design, HECRAS Analysis, wetlands permitting

**Town of Braintree VT – West Street Bridge**

replace existing culvert with new bridge for aquatic organism passage, roadway and site design, HECRAS Analysis, wetlands permitting

**Town of Barre, VT – Stormwater Management Plan – Bridge Street**

Reconstruction project, analysis of existing drainage areas and design of new conveyance systems.

## RESUME



**Joseph P. Glowitz, P.E., P.Eng, PMP**  
Engineering Practice Director

**REGISTERED PROFESSIONAL ENGINEER** – Vermont, Maine and New Hampshire

### EDUCATION:

B.S.C.E., Tufts University, Medford, MA -1978  
The University of British Columbia, M.A.Sc., Civil 1980  
University of Maryland Global Campus MBA, Master of Business 2011  
University of Maryland Global Campus, D.M. Doctor of Management 2015  
Monmouth Regional High School, Tinton Falls, New Jersey, Diploma, 1974

- General Administration & Management
- Utility Business Enterprise
- Water Supply Engineering
- Wastewater Engineering
- Stormwater Engineering
- Municipal Project Management
- Business Logistics
- Operations Research
- Technical Information Management
- Knowledge Management
- Business Process Management
- Program & Project Management
- Risk Management
- Transportation Engineering
- Rail Engineering
- Systems Engineering
- Highway Engineering
- Traffic Engineering
- Transit
- Utility Engineering
- SCADA & Control Systems
- Urban Design & Planning.

### WASTEWATER

#### **County of Fairfax, VA - Primary / Secondary Sustaining Project**

The project included 106 elements to improve the safety and operations for the next 15 years. Rehabilitation of Primary Settling Tanks Rehabilitation of Activated Sludge Tanks Rehabilitation of Blower Buildings Rehabilitation of Secondary Clarifiers Rehabilitation of Equalization Basins Install Waste Tank and associated pumps Install Flexible BNR Pilot Train All site work, electrical, structural, architectural, and mechanical work. Construction value is \$ 96 Million.

#### **County of Fairfax, VA - Activated Sludge Effluent Pump Station Project**

Rehabilitation of the Activated Sludge Effluent (ASE) Pump Station which conveys secondary effluent to the Moving Bed Biological Reactor Facility process, The project includes replacement of six vertical turbine pumps, replacement of seven cast-iron sluice gates and seven actuators and replacement of 14 valves and six actuators. Construction value is \$ 18 Million.



### **City of Millbrae, CA - Wastewater Treatment Plant Upgrade Project**

The project included the planning, design, environmental clearance, procurement, and construction for the City of Millbrae \$ 38 Million 4 MGD Wastewater Treatment Plant Upgrade project. This project included development of the financing plan utilizing grants and use of the State Revolving Fund.

### **Hi-Desert Water District, CA - New Water Reclamation Facility & Collection System**

Multi-Phase Project to convert 22,000 customers from Septic Systems to a Public Owned Treatment Works. A new 2 MGD treatment facility (ultimate 8 MGD) with membrane technology (MBR) and Ultra Violet (UV) to treat the wastewater, is released into recharge ponds for natural filtration for groundwater recharge. Phase 1 included 75 miles of new collection system, connection to customers, and de-commissioning of septic systems. Construction value was \$ 100 Million. This project included development of the financing plan utilizing grants and use of the State Revolving Fund.

### **Valley Sanitary District, CA - Water Reclamation Facility Upgrade & Facilities Project**

The project included the design, environmental clearance, permitting and construction and included two new primary rectangular clarifiers; chemically enhanced primary treatment system, anaerobic digester, modifications to the existing aerated grit chamber and influent line, main air line replacement, biofilter and foul air collector system for the belt press building and rehabilitation of the existing drainage pump station. These improvements increased the treatment capacity of the activated sludge plant to 10 MGD. A new Administration Center, Operations Center and Laboratory were constructed. A new Supervisory Control and Data Acquisition (SCADA) System was installed. A new permitter security system with lighting, CCTV and intrusion alert was contracted. Construction value was \$ 22 Million.

### **Valley Sanitary District, CA - Reclaimed Water Reuse Project**

The project was to develop a sustainable use for reclaimed water for beneficial use for the District, in conjunction with the Indio Water Authority, US Bureau of Reclamation and other regional partners. The project involves the reuse of treated wastewater for indirect potable reuse. Planning and design value was \$ 2 Million.

### **Valley Sanitary District, CA - Requa Interceptor Project**

The Requa Interceptor project included the design, environmental clearance, and construction of a new 4 mile, 36 inch interceptor sewer project. Construction value was \$ 15 Million. This project included development of the financing plan utilizing the State Revolving Fund.

### **Valley Sanitary District, CA - Near Net Zero Energy Project**

Phase 1 included the design, procurement, interconnection to the Public Power Grid and Power Purchase Agreement with Tesla Energy to construct a 3,200 panel, 1 MegaWatt Solar System to power the Water Reclamation Facility. The project provides approximately 42 percent of the power requirements at 6 cents / KiloWatt. Phase 2 includes two new primary rectangular clarifiers, new anaerobic digester, cogeneration system, new grit removal system, gravity belt thickener, one new secondary circular clarifier. These improved energy efficient facilities will increase the activated sludge treatment process to 18 MGD. It will also include an Energy Conservation System to move the District towards near Net Zero in energy consumption.

### **Valley Sanitary District, CA - Collection System Rehabilitation Project**

The project included the planning, preprogramming, environmental clearance, design and construction for a ten-year, \$60 Million project to rehabilitate and reconstruct approximately 100 miles of sewer collection system.

## RESUME



**Nicholas Degree**  
Engineer

**EDUCATION:**

B.S., Engineering and Management, Clarkson University -2022  
Bellows Free Academy, Fairfax, Vermont – 2017

**COMPUTER SKILLS** – AutoCAD, Microsoft Office, Word, Excel, ProCore, NX Siemens

**TECHNICAL SKILLS** - Surveying, GPS Surveying, Construction Materials, Geothermal Heating & Cooling, Water Supply and Wastewater Treatment Design and Construction, Well Drilling, Excavation, Geothermal Construction and Design, Construction CPM Scheduling and Estimating

**Hyde Park, Vermont, Field Engineer**

Provide site layout and on-site project management assistance a community wastewater disposal system. Project included collection sewers, pump station, and a 50,000 gallon per day wastewater treatment facility.

**Hyde Park, Vermont, Field Engineer**

Provide site layout and on-site project management assistance upgrade of existing water system. Project included new drilled bedrock well, water mains and booster pump station.

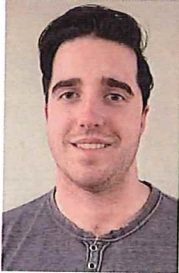
**East Berkshire, Vermont, Field Engineer**

On site engineering for construction of water treatment plant, existing water tank rehabilitation and water main replacement.

**East Burke, Vermont, Field Engineer**

On site engineering for construction of new wells and pump house, new water tank, and water mains.

## RESUME



**Holden S. Thompson**  
Engineer Intern

**EDUCATION:**

B.S.C.E. (Candidate), University of Vermont - 2026  
Craftsbury Academy, Craftsbury VT 2020

**CURRENT POSITIONS:** Engineer Intern – New England Consulting Engineers LLC  
Avionics Technician – Vermont Air National Guard

**Civil Engineering Intern**

- AutoCAD drafting and engineering drawing production
- Civil 3D site and grading design
- HECRAS stream flow modeling and analysis
- Geothermal system design
- Wastewater disposal design
- Civil and geothermal cost estimating
- Surveying



Josh Arneson  
Town of Richmond  
Richmond Town Center  
203 Bridge Street, P.O. Box 285  
Richmond, Vermont 05477

**ENGINEERING SERVICES FOR  
EMERGENCY WATERSHED PROGRAM**