



## Amanda Raab

*Engineer II*

*4 Years at TCE*

### Education

B.S. Civil Engineering '13

*University of Vermont*

A.S. Civil Engineering '10

*Vermont Technical College*

### Certifications

Licensed Designer, Class B

*State of Vermont #603*

Confined Space Certified

*OSHA 29 CFR 1910.146*

### Work History

Ruggiano Engineering

*St. Albans, VT 2014-2015*

J&A Pump and Motor Service

*Vice President*

*Williston, VT 2005-Present*

### Volunteer Work

Passion 4 Paws

*Dog Foster 2018*

Jim's House

*Maintenance Volunteer 2016-17*

Amanda is a Staff Engineer responsible for designing and managing projects with a focus on water, wastewater and stormwater design and permitting. Amanda is experienced in both local and State permitting, including the Act 250 approval process. Amanda takes projects from start to finish and works diligently to achieve project goals with an appreciation for each client's schedule and budget.

Amanda was born and raised in Vermont and currently resides in Williston. She grew up working at her parent's septic service company and electric motor repair shop and excels as a designer due to her many years of hands on experience. When Amanda isn't at work she enjoys spending time with her family, her dog, and working around the house.

With 4+ years of design experience and over a decade of field experience, she takes great pride in her work as a civil engineer. She is a dedicated staff member and team player who is well-respected by her peers and clients for her strong work ethic both in the office and the field.

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### *Recent Project Experience*

***Old Dominion Freight Line, Milton, Vermont*** Constructed in the Catamount Industrial Park, Old Dominion Freight Line went from a proposal in March of 2017 to a four walled structure by November of 2017. Amanda worked both in the field and the office to design the site and take the project from beginning to end, obtaining all approvals by the beginning of the fall construction season, meeting both budgetary and scheduling expectations. Amanda transitioned from design to construction engineer and worked closely with the construction manager and contractor to keep the project on track. Old Dominion officially opened for business in the spring of 2018.

***Burlington Beer Company, Williston, Vermont*** Burlington Beer Company is a local brewery that opened in 2014 and has worked with TCE since the beginning. As their facility expanded, so did their water and wastewater demands. Amanda is the lead designer for their high strength liquid wastewater sidestream system. This system reduces impacts to the municipal wastewater stream by diverting, collecting and having the high strength wastewater hauled to an anaerobic digester designed to convert high strength brew waste to energy.

***Mountain Transit, Milton, Vermont*** Located on Precast Road in Milton, Vermont, Amanda and Abby collaboratively designed and obtained approval for a 100+ bus transit facility. The project required thoughtful layout to minimize disturbance to the parcel's existing infrastructure including pavement, lighting, landscaping and stormwater infrastructure while maximizing bus storage and parcel potential.

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### *Additional Projects*

- Peck Residential, Underhill
- Point Bay Marina Wastewater, Charlotte
- SD Ireland Water and Wastewater, Williston
- Burlington Electric Wastewater, Burlington
- Costco Stormwater, Colchester

### *Key Skills*

- Remediation of Failed Septic Systems
- Commercial & Industrial Sanitary Design
- Stormwater Design & Site Grading
- Multi-Pump Shared Forcemain Design
- Project Management & Communication