



## Amanda Raab

Field/ Staff Engineer

2 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

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. Amanda manages to make time for billiards, her favorite past time. She also enjoys her family, friends, and exploring the beautiful State of Vermont.

With over 7 years of design experience and many years of field experience beyond that, 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.

### Recent Project Experience

**Burlington Electric Department, Burlington, Vermont** Situated on contaminated soils, serviced by an antiquated pump station built in the '60s, Amanda worked quickly to develop design plans when B.E.D. found out their wastewater system was facing imminent failure. This site was particularly challenging due to environmental restrictions and site constraints. Under direction of the project's Senior Engineer, Amanda managed the project from start to finish and designed and permitted a state-of-the-art commercial duplex pump station, which is now up and running.

**SD Ireland, Williston, Vermont** Amanda engineered a series of pump stations, force mains and junction manholes arranged to convey wastewater from multiple buildings along the avenues in an industrial park to a main commercial duplex pump station designed to minimize confined space entry and reduce maintenance costs by enhancing serviceability.

**King George Estates, St. George, Vermont** This seven lot residential subdivision is currently under construction and is surrounded by wetlands on the downslope and mountains on the upslope. Amanda designed a stormwater system with careful consideration to environmental impacts, and site costs, and was able to permit a series of shallow dry basins designed to State standards to treat the project's runoff.

### Additional Projects

- Albertini Residential, Underhill
- Demarest Subdivision, Underhill
- Zarembo Retail Stores, Various Locations
- Mountain View Residential, Williston
- Ewing Family Trust Farm, Shelburne

### Key Skills

- Remediation of Failed Systems
- Commercial & Industrial Pump Stations
- Stormwater Design & Site Grading
- Attention to Detail
- Project Management & Communication