



Andrea Dotolo, E.I.
Staff Engineer & Ecologist

3 Years at TCE

Education

B.S. Environmental Engineering, Minor in Geospatial Technologies '16
University of Vermont

Certifications

Licensed Engineer Intern (E.I.)
State of Vermont #0117270
VT Wetland Delineation
VT Shoreland Erosion
HydroCAD Stormwater Training

Professional Affiliations

Tau Beta Pi
Chi Epsilon

Work History

TerraGraphics Environmental Engineering
Engineering Intern, Kellogg, ID 2015
University of Vermont
Teaching Assistant
Burlington, VT 2014-2016
Lake Iroquois Association
Boat Launch Greeter Manager
Williston, VT 2013-2014

Volunteer Work

Friends of the Winooski River
Tree Planting Volunteer 2016-18
Jim's House
Maintenance Volunteer 2016-17

Andrea provides well-rounded assistance to all departments at TCE. Andrea specializes in stormwater design, wetland and stream delineations, design and modeling for hydraulic and hydrologic studies, GIS analysis, GPS data collection, and State, Federal and local permitting.

Andrea was born and raised in Hinesburg, Vermont, and now resides in Jericho, after graduating from the University of Vermont. Andrea enjoys all things outdoors and is quite artistic. She spends her free time searching for new mountains to climb or ski, rivers to swim, music to dance to, people and landscapes to photograph and recipes and crafts to make at home.

Andrea is a hard-working and committed to her work. She has demonstrated excellent attention to detail, a comprehensive perspective and understanding of projects, efficient organization, and a strong will to further her skills and education.

Recent Project Experience

Four Meadows Farm, Charlotte, VT Situated at the base of Mount Philo State Park, the Four Meadows Farm project, a 3-lot subdivision and equestrian facility, warranted ecologic and aesthetic design from the very beginning. Throughout the project, Andrea applied her well-rounded engineering knowledge to create a site plan which met local and State regulations while minimizing impact to natural resources and the surrounding view shed. Andrea displayed her more advanced GIS expertise through in-depth visibility analysis. Additionally, Andrea provided engineering design guidance for site design and layout including a tiered stormwater system which cascades water through constructed gravel wetlands shaped into the existing hillside.

Meadowridge Community Stormwater, Williston, VT Over the last several years, TCE has been hired by the Meadowridge Community Association and the Town of Williston to provide feasibility analysis, design, permitting, and construction oversight for three stormwater ponds within the Meadowridge Community. As part of a stormwater retrofit project in compliance with the Town's MS4 program, Andrea exhibited in-depth knowledge of stormwater modeling, regulated treatment requirements, and design as she worked diligently to revise design and construction plans to cut down construction and permitting costs. Additionally, Andrea provided weekly erosion control observations during the construction of the ponds and responded quickly and efficiently when design changes were necessary.

Timeline Residential Subdivision, Alburgh, VT In 2006, TCE fully permitted a 12-lot subdivision in Alburgh. Almost 12 years later, TCE was hired to bring all permits back into compliance as none of the lots had been developed. Andrea took the lead on this project, providing the thorough research, design, and permitting needed to bring an old project up to current regulations. Andrea's organization and communication skills resulted in the project coming into compliance as quickly and affordably as possible as she worked with the State Wetlands, Stormwater, Drinking Water & Groundwater, Shoreland and Act 250 departments to find solutions that worked for all parties.

Additional Projects

- Catamount Family Center, Williston
- South 40 Solar, Burlington
- Diamond Hill Subdivision, Milton
- Costco Wholesale, Colchester
- Drinking Water Asset Management, Various Locations

Key Skills

- Stormwater Modeling & Design
- Wetland & Stream Delineations
- GIS Analysis
- Vermont Regulations