



Andrea Dotolo, E.I.

GIS Analyst/ Staff Scientist

1 Year 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

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

Jim's House
Maintenance Volunteer 2016-17

Andrea provides well-rounded assistance to all departments at TCE. Andrea specializes in wetland and stream delineations, stormwater inspections, design and modeling 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 Burlington, 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

Zaremba Retail Store, Bethel, VT Proposed along Route 12 within the river corridor and flood fringe of the Third Branch of the White River, this project has been subject to in-depth environmental fieldwork, hydrologic analysis, stormwater design, site design and permitting. Andrea tackled this project by diving in to local, regional, and State regulations and guidelines to ensure a successful project. Andrea has assisted in the presentations at multiple public hearings, working with the Project Manager, the Development Review Board and the public to reach common ground.

Allen Brook Development, Saxon Hill, Essex, VT The recent expansion of the Allen Brook Development involved State and local permitting. As part of her assistance in the permitting process, Andrea has been the GIS Analyst for this project, creating detailed and informative maps which have been used to clearly describe the project in terms of natural resources and associated buffers, proposed zoning changes, prime agriculture impacts, noise assessments, extraction plans, truck routes and various other site constraint maps. Her GIS skills have proved a valuable asset to this project, saving time and money with both data analysis and mapping.

VonTurkovich Mixed-Use Development, Burlington, VT Situated in a well-developed area and upstream of a steep ravine, stormwater design and wetland permitting were critical to this project. Andrea provided assistance in stormwater modeling and design using ArcMap and HydroCAD. She also worked closely with the State Wetlands Department and design team to achieve permitting approval for minor impacts to the wetland buffer for stormwater detention.

Additional Projects

- Catamount Family Center, Williston
- ECOS Energy, Waybridge
- Atwood Residential, Waterbury
- Synergy Development, So. Burlington
- Ewing Family Trust Farm, Shelburne
- Pike Industries, Various Locations
- SunCommon, Various Locations
- NRPC Park & Ride Scoping Study, Grand Isle County

Key Skills

- Wetland & Stream Delineations
- Stormwater Modeling & Design
- Environmental Permitting
- Vermont Regulations
- GIS Analysis & Natural Resource Maps