



STEPHEN M. TETREAULT

CADD Manager

Mr. Tetreault is the CADD manager and a technician for Trudell Consulting Engineers. His duties include computerized drafting, network management, surveying, and assistance to the engineering staff. His skills and responsibilities include:

Skills Summary

- **CADD Manager** – Manage CADD department and maintain TCE drafting standards. Organize and archive electronic files for long term storage after project completion. Train new employees and assist existing employees in learning the software / design standards. Maintain a library of standard details.
- **Computer / Network Administrator** –Maintains TCE’s computer network, adding new users as needed. Install and set up new software for all users. Troubleshoot computers and find solutions for repair and conduct repair if needed. Recommend new software and computer products as needed to keep in pace with technology.
- **Site Planning & Design** – Assist Project Managers with site design, layout, landscaping and grading using AutoDesk Land Development Desktop and Autoturn software. Prepare site plans and details for all types of utilities including stormwater, sanitary sewers, water supply, gas, communications, and power. Develop profiles and cross-sections for roadway projects.
- **Sanitary & Water Supply Engineering** –Prepare plans, profiles and details for on-site wastewater disposal systems including conventional, mound systems, innovative treatment systems, gravity and pressure sewers, and pump stations. Assist Project Managers in preparation of site plans, profiles and details for various water supply and distribution facilities. Performs soil and percolation testing.
- **Construction Phase Services** – Prepare addendum sketches for construction documents and record drawings. Performs field observation of construction.
- **3D Digital Terrain Modeling** – Create three-dimensional (3D) site imagery for presentations, feasibility studies, and master plans for the preliminary development of residential and commercial projects. Develop digital terrain models (DTM) for use in volumetric calculations for determining cut and fill quantities.
- **Survey**– Assist Land Surveyor with all aspects of land surveying by assisting in field location to final survey plans for filing in their respective town or city.

Work History

Prior to joining Trudell Consulting Engineers in 1992, Mr. Tetreault worked for Cianbro Company where he was involved with construction layout on the Winooski River Bridge and the Watertown, New York hydro dam.

Professional Registrations & Affiliations

- Soils Technician – State of Vermont

Education

- Associates in Civil Engineering – Vermont Technical College