



ROMONA M. POWERS

CADD Manager

Ms. Powers is the CADD Manager at Trudell Consulting Engineers. Mona is responsible for computerized drafting of site plans, details, and presentation drawings. She has 24 years of experience in the civil engineering field and has a strong computer background with an emphasis on AutoCAD Land Development Desktop software. She occasionally assists in surveying and other fieldwork. Her skills include:

- **CAD Manager** – Manage CAD 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.
- **Site Plans & Design** – Assist Project Managers with site design, layout and grading for roadways, stormwater facilities, parking facilities, commercial parks, industrial parks and residential development projects using AutoDesk Land Development Desktop, Carlson Civil software 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 Plans** – Assist Project Managers in preparation of site plans, profiles and details for on-site wastewater disposal systems including conventional, mound systems, innovative treatment systems, gravity and pressure sewers, and pump stations for various residential, commercial and municipal water supply and distribution facilities.
- **Landscape Plans** – Assist Project Managers with the creation of residential and commercial project planting plans and schedules.
- **Site Lighting** - Assist Project Managers in the creation of lighting plans for residential and commercial projects.
- **Erosion Control** – Assist Project Managers in the preparation of erosion control plans and documents for the acquisition of Construction General Permits and Individual Permits, for stormwater discharges from large construction sites.
- **Orthographic Mapping** – Prepare plans using digital orthographic photographs and Geographic Information System (GIS), for presentations, feasibility studies, and master plans for the preliminary development of residential and commercial projects.
- **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.
- **Construction Phase Services** – Prepare addendum sketches for construction documents and record drawings.

Before joining Trudell Consulting Engineers in March 2000, Ms. Powers worked for Phelps Engineering in Middlebury, Vermont for 11 years, and Nowlan Engineering in Ludlow, Vermont for 5 years.

Associates Degree in Surveying Technology
Vermont Technical College, Randolph Center, Vermont

Skills Summary

Work History

Education