



## Nathan Collins

*CAD Technician*

*9 Years at TCE*

### Education

A.S. Computer Engineering  
Technology '05  
*Vermont Technical College*

Programming Logic Controller  
Coursework  
*Rochester Institute of Technology*

### Work History

USDA Natural Resources  
Conservation Services  
*Woodsville, NH 2006-2007*

### Volunteer Work

TCE Community Garden  
*Coordinator & Gardener*  
Jim's House  
*Exterior Maintenance Volunteer*  
Friends of the Winooski River  
*Tree Planting, Allen Brook*

Nate is an experienced CAD Technician preparing thorough and precise site plans and details for TCE. He utilizes his computer engineering background to create innovative approaches that combine engineering design and plan preparation to save valuable time and improve quality control. Nate is also a talented artist, and he uses this artistic talent to create detailed and realistic renderings for presentations at public hearings. He is able to create before and after color renderings that allow board members and the public to visualize the finished project. Nate also provides technical IT support to the office and helps keep our PC's, printers, and networks up and running smoothly.

Nate's hobbies include gardening, creating original artwork, hunting, fishing and gold panning. His hidden talent for chalkboard art is displayed around TCE's office. His green thumb is also a tremendous asset to TCE's on-site community garden.

### Recent Project Experience

#### **Aquatic Development Group, Mountain Coaster, Killington, VT**

Nate serves as the lead CAD designer for development of concepts and technical drawings for ADG Mountain Coasters. He develops and refines 3D models in conjunction with the track manufacturer on these exciting gravity rides at ski areas that can exceed 25 mph.



**Albertini Subdivision, Underhill, VT** Nate was the primary draftsman for this 5 lot residential subdivision off Pleasant Valley Road, which included numerous site plans, details, plan and profile drawings, as well as visual assessments for sight distance and aesthetic impacts.

**Battle Creek Solar, Bennington VT** Nate used his CAD and rendering skills to produce this photo realistic rendition of a proposed 2.5 MW solar array in Bennington VT in conjunction with TCE's aesthetic impact analysis of the project.



### Additional Projects

- Pike Industries, Various
- Bever/Fife Residence, So. Burlington
- McCracken Subdivision, Georgia
- Synergy Development, So. Burlington
- Vergennes Main Street Scenic Byway
- Jericho Market
- Zarembo Group, Retail Stores

### Key Skills

Efficient Technical Drafting  
Site Grading & Site Design  
3D Renderings & Artwork  
Construction Surface Modeling  
Software and Networks