

"Where the Forest Meets the Asphalt" –The Reality of Site Development in Vermont Today



Who:

Trudell Consulting Engineers (TCE) is a locally owned multi-disciplinary consulting firm founded in 1975.

We are a team of 22 – 11 women and 11 men

Presenters:

- John Pitrowiski, P.E. Vice President/Engineer john.pitrowiski@tcevt.com
- Karina Dailey, P.W.S., C.W.B. Senior Ecologist <u>karina.dailey@tcevt.com</u>
- Mark Day, L.L.S. Vice President/Senior Surveyor mark.day@tcevt.com
- Jeremy Matosky, P.E. President/Engineer <u>jeremy.matosky@tcevt.com</u>

What:

We specialize in site/civil engineering, environmental science, landscape architecture, and land surveying. Our clients include municipalities, private businesses, single family home owners, developers, and non-profit organizations throughout Vermont.

Where:

We work Statewide! We have 2 offices – 478 Blair Park in Williston, and 42 Mapleville Depot, St. Albans.

Examples of Clients Who Need Us:

- What is the highest and best use of my land?
- I want to build a 40-unit housing project please permit.
- Can I subdivide my parcel?
- Does my project need ACT 250?
- Help, I have wetland issues and I don't even know what they are!
- I want to sell my house as a 3 bedroom but I only have a WW permit for a 2 bedroom
- I need an Alta Survey for a bank loan
- Stormwater is eroding my property, can you help?
- I can't find my property boundaries.
- Is a solar project good for this site?
- I need a really good trail map!
- Please prepare a wildlife and plant report for my parcel – Natural Resource Study
- Can you design and permit a gas station?



"TCE is here to guide clients with VT land interests to build sound projects".



Environmental Services

We are often the first people out on the property identifying the Natural Resources.

- Wetlands (delineation, permitting, advice)
- RTE, Wildlife and Plants (surveys, testimony)
- Ecology Restoration (streams, wetlands, etc)
- Erosion and Sediment Control
- Hydrology/Stormwater Studies/Culverts
- GIS Mapping, 3D modeling and Analysis
- Construction Observation
- Invasive Plant Management and Control









Case Study 1 - Environmental

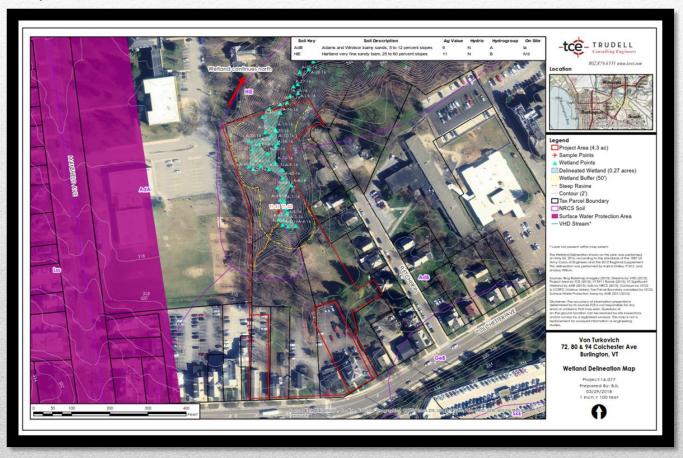


-Major housing shortage in Burlington

-Contiguous property owners propose a collective development of 3 lots, allowing for utilization of large rear/interior area for new housing. A single building (approx. 23,418 sf) with 71 residential units is proposed, with both surface and underground parking. All existing, street-facing structures are proposed to be retained.

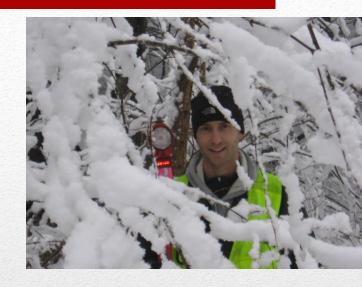
Feasibility Study

Identify Natural Resources Present and Permits Needed

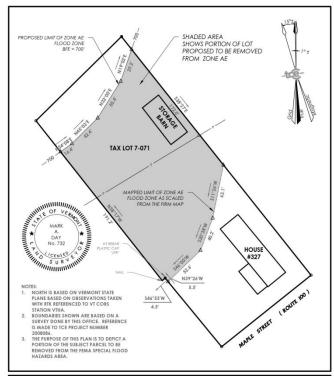


Land Surveying

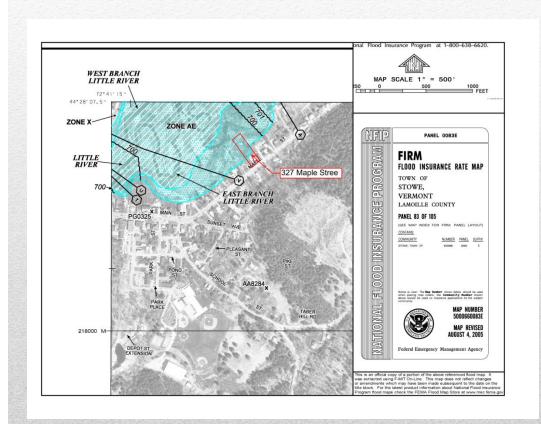
- Boundary Surveys
- Boundary Adjustments
- Subdivisions
- Easement Surveys
- ALTA/NSPS Land Title Surveys
- FEMA (Elevation Certificates & LOMA's)
- Topographic/Utilities/GPS
- Construction Layout
- Expert Testimony



Case Study - Survey



Project Name:	DIANN PERCEY - 327 MAPLE STREET, STOWE, VERMONT LOMA SITE PLAN			tco-
Sheet Title:				
Date: _	5/11/16	Drawn By:	MAD	-100
Scale: _	1" = 50"	Project Engineer:		T
Project Number: _	16-061	Approved By:	MAD	TRUDELL CONSULTING ENGINEERS JERARDHAR SEAT TRULKTON SERVINT OFFI BOOKS SEE WWW.TCEYT.COM



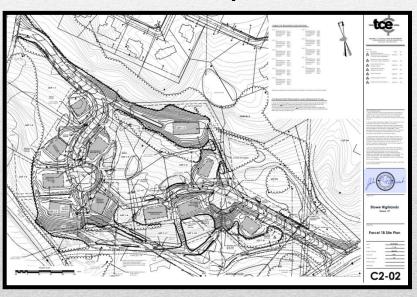
Case Study 2 - Engineering

Stowe Club Highlands

Existing

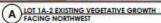
The fighter is a series of the series of the

Proposed



<u>Development Stages:</u> Feasibility Study, Wetland Delineation, Topo Survey, EC Plan, Sketch Plan, Regulatory Communication, Design and Permitting, Construction Oversight, on-going Monitoring.











D LOTS 1A FACING SOUTH



Clients We Work With

Meeting our client's needs, on time and on budget, is the foundation of our business and drives the decisions and actions we take on a daily basis.

















Realtors Attorneys

Municipalities

Architects

Land Trusts

Other Consultants

Private Landowners

Developers Ski Resorts

Permits....

Stormwater Discharge Permit VT Wetland Permit

Army Corps Wetland/Water Permit Shoreland Protection Permit Stream Alteration Permit

Water and Wastewater Permit

Water System Permit to Construct/Operate

Act 250 Permit

Act 248 Permit

Local Permitting

VTrans Curb Cut Permit Allocations







Engineering Services

Does your Client have a general idea but needs To make the project a reality?

- -Site Design/Concept Plans/Master Plans
- -Building Expansion and Future Phasing
- -Local Regulatory Review
- -Culvert Design and Install
- -Water/Wastewater Design
- -Stormwater Master Planning
- -Annual Inspections
- -Erosion Control and Stabilization
- -Traffic Studies
- -Construction Observation
- -HOA assessments and compliance plans for new town regulations





Questions?



Thank you!

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E-mail: info@vtlocators.com Web: www.vtlocators.com



VTLOCATORS.COM

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Explore Lot Development Potential

Real Time Rendering

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User-Controlled 3D Walkthroughs





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