21-3587-NMP

TRUDELL
Consulting Engineers
802.879.6331 www.tcevt.com

2 Mile

1 Mile

1/2 Mile

GRAFTON COUNTY

Connecticut River

Fletcher Reservoir

Parker Reservoir

Occom Pond

Hanover

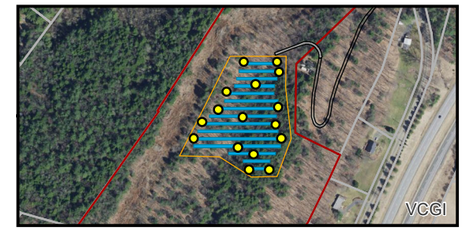
Dartmouth Coll

APPALACHIAN NATIONAL SCENIC TRAIL

Mink Brook

0 0.25 0.5 1 1.5 2 Miles

Location



Legend

- Observer Points (n =16)
- Proposed Property Line (Polygon)
- Tax Parcel Boundary
- Existing Gravel Drive
- Proposed Access Drive
- Proposed Fence
- Proposed Solar Panels
- Contours (20')
- ANR Land
- VT State Register Historic Districts
- Vermont Trails
- Railroads
- Roads
- VT State Boundary

Project Radius

- 1/2 Mi
- 1 Mi
- 2 Mi

Visibility - Tree Cover

- High
- Low

Viewshed analysis performed using an edited DEM by TCE (2022) to add 50' of elevation to all areas with mapped tree cover. Bare earth ground elevations from 0.7M hydro-flattened DEM by VCGI (2016). Viewshed analysis based on sixteen observer points throughout the proposed array with 10' offset height.

Sources: Aerial Imagery by VCGI (Various Dates); USA Topo by National Geographic (2013); VT Town Boundaries by VCGI (2020); VT E911 Roads and Trails (2019); VT Recreation Sites and State Parks by ANR (2020); VT Rail Lines by VTRANS (2017); VT National Highway System by VTRANS (2016); All other layers by TCE (2021).

Disclaimer: The accuracy of information presented is determined by its sources.TCE is not responsible for any errors or omissions that may exist. Questions of on-the-ground location can be resolved by site inspections and/or surveys by a registered surveyor. This map is not a replacement for surveyed information or engineering studies.

USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road Data; Natural Earth Data; U.S. Department of State Humanitarian Information Unit; and NOAA National Centers for Environmental Information, U.S. Coastal Relief Model. Data refreshed June, 2020.

VT DPS
Upper Loveland Road
Norwich, VT

Visibility Analysis - Tree Cover

Project: 22-068
Prepared By: SRK
05/23/2022
1 inch = 0.5 Mi