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October 12, 2023

Attorney Melanie Bachman, Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Reference: Connecticut Siting Council Docket No. 509 - 1837 Ponus Ridge Road,
New Canaan, Connecticut

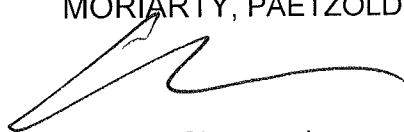
Dear Attorney Bachman:

On behalf of parties Mark Buschmann, Trustee, and Jamie Buschmann, Trustee, and Mark Buschmann, CEPA intervenor, please find enclosed an original and 15 copies of a review conducted by F.A. Hesketh & Associates, Inc. of the Tectonic Geotechnical Report, Civil Site Plans dated 9/14/23 and other materials submitted as part of the D & M Plan for the referenced facility.

Thank you for the opportunity to comment.

Very truly yours,

MORIARTY, PAETZOLD & SHERWOOD



David F. Sherwood


/mds

cc: Service List
Mark Buschmann
Jamie Buschmann

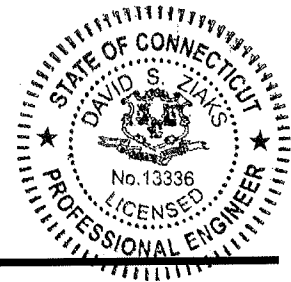
F. A. HESKETH & ASSOCIATES, INC.

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MEMORANDUM

To: Attorney David Sherwood
From: David S. Ziaks, PE 
Subject: Proposed Wireless Telecommunications Facility
1837 Ponus Ridge Road-New Canaan
Our File: 22052

Date: Oct. 10, 2023



I have completed a review of the Tectonic Geotechnical Report, Civil Site Plans dated 9/14/23 and other submittals and reports submitted in support of the application for the D&M Plan. Below, I have provided my comments and observations:

- The geotechnical report confirms that the soils are comprised primarily of Charlton-Chatfield complex which is a very rocky/ledge soil condition with generally 2 to 5 feet of earth overburden on ledge. In all likelihood, blasting and extensive rock excavation will be required given the substantial slope cut that will be required to construct a portion of the access driveway and graded upslope along the driveway. It is highly unlikely that this rock can be removed by only by machine excavation without blasting. Prior to the start of construction, a blasting plan should be prepared and approved by the Fire Marshal following town and state requirements. Failure to have a plan ready prior to the start of excavation could result in a long period of exposure after initial excavation begins should it then be determined blasting is required. A blasting plan would then be need to be prepared and submitted for approvals resulting in delays and the potential for significant erosion problems evolving with the exposed partial excavation.
- When this type of extensive site preparation work is required, a multi-phase erosion and sedimentation control narrative and plan is warranted. I did not see such a comprehensive narrative or plan in the plan set reviewed. The current plan set shows E&S implementation as one single phase.

Attorney David Sherwood

October 10, 2023

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MEMORANDUM

- Runoff patterns will change, volume will increase and peak flow rates will intensify with the driveway and pad site construction. Existing dispersed sheet runoff along the contours that run generally parallel to Ponus Ridge Road will now be concentrated to three outlet points. Large riprap plunge pools are proposed at these outlets, but calculations demonstrating that scour erosion is effectively controlled have not been provided. It would seem that a better design would include the construction of long level spreaders in lieu of point discharges to better mimic existing runoff conditions and lesson the probability of ongoing slope erosion leading down to the public road.
- Based on my field observations, Ponus Ridge Road is more of a country road than a modern suburban roadway with little formal drainage infrastructure and little crown and cross slope. It relies primarily on sheet runoff to both edges of the roadway. On the southerly side of the roadway, that sheet runoff is currently directed to the reservoir. Any erosion coming from this site during and after construction will more than likely find its way to the reservoir.