CIVIL ENGINEERING ASSOCIATES, INC.
10 Mansfield View Lane
South Burlington, VT 05403
Phone: 802-864-2323
Fax: 802-864-2271
E-Mail: mail@cea-vt.com

March 21, 2017

Mr. Joseph Rheaume, Zoning Administrator
Town of Charlotte Offices
PO Box 119
Charlotte, VT 05445

Re: Donahue Proposed Residential Structure
State Wastewater & Potable Water Supply Permit

Dear Mr. Rheaume:

Please find attached an application, plans, and a CD for Raina & Mathew Donahue who are proposing to construct a new three-bedroom residential unit to replace the previously permitted two-bedroom home and one-bedroom apartment on their 5.01-acre property located at 1921 Greenbush Road. In addition, the existing house/apartment will be converted into a garage. The proposed residence will need modifications to the existing sewer and water services on site.

The systems were previously sized and connected to a three-bedroom residential unit in 2012 before the original house was taken down. There will be no increase to the size of this system. The existing one bedroom house is to be converted to a garage with a bathroom that will serve as an accessory structure to the proposed three-bedroom house.

Water service from the drilled well will need to be extended to the proposed house and the water service that connects to the accessory structure will need to be extended.

Wastewater from the proposed house will drain to two tanks. Two thirds of the house will drain into a 4" SDR 35 PVC pipe on the south end of the building to a 1000-gallon septic tank. This will be gravity fed. The basement of the house will drain to the existing 1500-gallon combined septic tank/pump station at the northern side of the building. The wastewater line passes through the 50-foot isolation area that the State of Vermont requires on drilled wells. This requires a 4" C900 water pipe to be pressure tested in place to 50 psi without leakage.

This completes our summary of the proposed application. If you should have any questions, please feel free to contact me at 864-2323 x310.

Respectfully,

Billy Roberts
Staff Engineer

Attachments:

- Application
- Application Fee ($500)
- ANR Form 5
- Site Plan & Details (2 full size sets) (1 - 11x17 set)
- CD (Application Materials)

Cc: Raina Donahue, (enclosures, no CD); CEA File 11242 (enclosures, no CD)

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