

February 22, 2019

Andrew Strniste  
Planning Director & Zoning Administrator  
Town of Underhill  
P.O. Box 120  
Underhill, VT 05489  
astrniste@underhillvt.gov

**RE: Bingham 3-Lot Subdivision**

Dear Andrew:

We are writing in regards to the proposed Bingham 3-Lot Subdivision located on Lower English Settlement Road. As part of the project's design team, we have prepared driveway designs for the project. In addition, we were asked to comment on the project's possible impacts to the southerly neighbor's existing water supply.

It is our understanding that the water supply in question is a shallow well, or spring, located approximately 140 feet south of the shared property line between the parcels. The stated concern is that excavation and drainage alterations upslope of the well could cause pollution to the spring. It is our professional opinion that the proposed project will not impact the existing shallow well water supply. We offer the following in support of this conclusion:

- The nearest proposed driveway excavation is approximately 425 feet from the existing well. For reference, the State of Vermont Water Supply Rule recommends a minimum distance of 15 feet from a driveway to a potable water supply.
- In addition to the long distance, the area between the proposed project and the existing water supply is bisected by a stream and wetland. These watercourses will intercept any runoff from the project and carry it to the west around the existing water supply.
- The proposed project maintains existing drainage patterns.
- The closest proposed wastewater disposal system for the project is located approximately 350 feet from the existing water supply, and is to the side, rather than directly upslope. This separation distance is over double the State of Vermont Environmental Protection Rules standard of 150 feet separation from a wastewater system to a shallow well. In addition, there are again streams and wetlands that would intercept drainage between the wastewater system and the shallow well.

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**In conclusion, the proposed project has been sited and designed to avoid impacts to neighboring water supplies. Please contact us with any additional questions or comments regarding this matter.**

**Best Regards,**

A handwritten signature in blue ink that reads "Scott Homsted". The signature is written in a cursive style.

**Scott Homsted, P.E.**

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