



April 11, 2022

Planning Board  
Town of Durham  
8 Newmarket Road  
Durham, NH 03824

Re: 190 Piscataqua Road, Permitted Use B Application

### **Introduction**

Thomas J. Daly and Erin L. Daly, Trustees of the Thomas J. Daly Revocable Trust, and Erin L. Daly and Thomas J. Daly, Trustees of the Erin L. Daly Revocable Trust (jointly, the "Applicant") is the current owner of Tax Map 12, Lot 7 located at 190 Piscataqua Road (the "Property"). The Applicant submits this Conditional Use, Permitted Use B Application seeking Conditional Use from the below described articles in the Durham Zoning Ordinance (the "Ordinance"). The Property is located in the Residence Coastal Zoning District (the "RC Zone") and partially in the Wetland Conservation Overlay District ("WCOD") and the Shoreland Protection Overlay District ("SPOD"), creating a uniquely shaped, conforming, buildable area of only approximately six thousand six hundred sixty-five (6,665) square feet.

The Applicant intends to build a new home on the site which has been previously reviewed by the Conservation Commission and the Planning Board. Permit approvals to date include a Conditional Use Permit issued June 9, 2021 and a Durham Building Permit issued March 30, 2022.

The applicant has subsequently identified the need for additional permitting requirements, which are hereby submitted below.

### **Project Description**

The applicant seeks to install a new drinking water well and 8x geothermal wells on the site in the WCOD buffer zone.

An existing drinking water well exists on the site, deep into the wetlands themselves, and is in an unknown condition. The applicant proposes to drill and install a new well to allow for sufficient water use at the home, and will have it installed with additional casing to reduce the risk of any well contamination.

The applicant and their engineers have determined that a closed loop geothermal system will be an energy efficient heating and cooling source for the home as well as an alternative to fossil fuels. The applicant proposes to install 8x closed loop geothermal wells along the driveway structure.

The applicant has picked the WCOD buffer area as the location for these new wells for a variety of reasons, including: a) the existing drinking water well on site is located deep in the Wetland area and moving this well to the buffer would reduce impact; b) this area has been previously approved for disturbance and restoration under the June 9, 2021 conditional use permit.

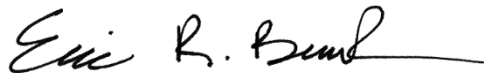
### **Support for the Request**

The following are answers to the required criteria for the Permitted USE B application:

- A) *Appropriate Erosion Control will be used:* The erosion control plan for this project will follow the guidelines set forth in NH DES' erosion control manual. The erosion control measures to be implemented will include the use of haybales, siltation socks and siltation fencing, as approved in the Conditional Use Permit, received in June 9, 2021.
- B) *Any disturbed area will be restored:* As per the applicant's conditional use permit issued June 9, 2021, the area where the proposed drinking water well will go will have native plantings installed to aid in the wetlands buffer restoration. The majority of the geothermal wells are proposed to go alongside or under the permeable driveway. Any additional disturbance within the WCOD will be restored prior to completion of this work.
- C) *The activity will be conducted in a manner that minimizes any impact on the wetland.* There is no proposed impact on the wetland. The work is proposed entirely within the buffer.

Please feel free to give me a call if you have any questions. I can be reached at 603-491-2322

Respectfully Submitted,



Eric R. Buck, PLA, ASLA  
Principal Landscape Architect  
Terrain Planning & Design LLC