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September 10, 2012

Ms. Lucy Livingston, Mr. Phil Livingston
156 East 79th Street, Apt. 6C
New York, NY 10075

RE: North Lane, Northfield/Mount Hermon Property, Northfield, MA

Dear Mr. and Mrs. Livingston:

At your request Lattrell Ecological Services visited this property with you on September 7, 2012 to assess if there were any wetland resource areas that might be restrict building use of this parcel. The property had no clear, recently surveyed boundaries. However there was enough field evidence to verify an approximate and reasonable boundary of the parcel. We found a surveyed pin in a lane known as the "Willows" on the northwest boundary. This lane also serves as an approximate northern boundary. On the northeast corner we located some old surveyor's tape at the end of a barbed wire fence adjacent to an old cart road that appears to be the eastern boundary as shown on the assessor's maps. The southern end is bounded by North Lane. The entire parcel was visible from the north, south and west sides.

The parcel is a 5 acre parcel. The majority of the parcel is wetland. The wetland spans from North Lane to the private lane known as the "Willows". The wetland is an emergent marsh and shrub/scrub wetland that has a predominance of wetland plants, hydric soils, and seasonal hydrology to the surface of the ground. Dominant wetland plants observed include speckled alder (*Alnus rugosa*), willow (*Salix* spp.), silky dogwood (*Cornus amomum*), elderberry (*Sambucus canadensis*), common cattail (*Typha latifolia*), narrow leaf cattail (*Typha angustifolia*), sensitive fern (*Onoclea sensibilis*), new york fern (*Thelypteris thelypteroides*), jewelweed (*Impatiens capensis*), fringed sedge (*Carex crinita*), tussock sedge (*Carex stricta*), purple stemmed aster (*Symphiotrichum puniceus*), and Colorado Willow-Herb (*Verbena coloratum*). Typical hydric soils along the edge of the parcel revealed the following soil profile:

<u>Horizon</u>	<u>Depth</u>	<u>T</u>	<u>Texture</u>	<u>Munsell Color</u>	<u>Redoximorphic Features</u>
A	0-6 inches	fine	sandy loam 10 YR 3/2		C2P 7.5 YR 6/8 @ 4"
Bw1	6-20 inches	fine	sandy loam 10 YR 3/2		

This is a hydric soil according to *Field Indicators for Identifying Hydric Soils in New England-Version 3*. This is a Type V Mineral Histic Soil according to this reference. The wetland has two culverts that connect to the wetland. One on the northeast side and one on the southeast side. This indicates that under the MA Wetlands Protection Act this wetland is protected as a Bordering Vegetated Wetland. Other hydrologic indicators included water stained leaves at the surface of the ground and saturated soil to the surface.