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CERTIFIED SOIL SCIENTIST \* WETLAND SCIENTIST \* LICENSED SITE EVALUATOR

February 16, 2012

Mr. Kevin McEneaney McEneaney Survey Associates, Inc. P.O. Box 681 Dover, New Hampshire 03820

RE: JWN #12-6, Stacy & Ryan Bellabona Property, Perkins Road, Madbury, New Hampshire

## Dear Kevin:

This report and the High Intensity Soil Map were completed to provide soil information for the proposed development at the above-referenced property. The fieldwork was conducted during January and February of 2012. Seven backhoe-excavated test pits were conducted on February 1, 2012, and were used to complete the soil survey. Only test pits S-5 thru S-7 were witnessed by Mr. Michael Cuomo and logged in detail for septic suitability. Test pits S-1 thru S-5 did not meet the minimum soil conditions for the placement of a septic system in the Town of Madbury. Test pits S-6 & S-7 did meet the local requirement. Soil map unit 653BH is off-site but was included in order to demonstrate setback requirements.

This map was prepared in accordance with the standards outlined in the SSSNNE Special Publication No. 1 titled *High Intensity Soil Maps for New Hampshire* (April 2008). A reproduction of the "Key to Soil Types" is included to assist you in interpreting the results.

The following are the soil types found and mapped on the property:

323BH	Moderately well drained glacial till with a mineral restrictive layer within 40 inches of the soil surface. Slopes range from 0 to 8 percent.
353BH	Moderately well drained silt and clay deposits with a mineral restrictive layer within 40 inches of the soil surface. Slopes range from 0 to 8 percent.
453BH	Somewhat poorly drained silt and clay deposits with a mineral restrictive layer within 40 inches of the soil surface. Slopes ranges from 0 to 8 percent.
453CH	Somewhat poorly drained silt and clay deposits with a mineral restrictive layer within 40 inches of the soil surface. Slopes ranges from 8 to 15 percent.
553BH	Poorly drained silt and clay deposits with a mineral restrictive layer within 40 inches of the soil surface. Slopes range from 0 to 8 percent.
653BH	Very poorly drained silt and clay deposits with a mineral restrictive layer within 40 inches of the soil surface. Slopes range from 0 to 8 percent.

I hope this information is sufficient for current planning needs. If I may be of further assistance, please do not hesitate to call.

Sincerely,

Joseph W. Noel

NH Certified Soil Scientist #017