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June 23, 2009

Lawrence McCauley
391 Woodbury Circle
Raeford, NC 28376-9181

RE: Proposed 2-acre 351 N. Deer Isle Rd, Deer Isle, ME

Dear Mr. McCauley:

At your request, on 6-22-09, we performed an on-site investigation upon the proposed 2-acre lot of 351 North Deer Isle Road in Deer Isle, ME. The lot was examined to determine subsurface wastewater disposal suitability for a single-family home to meet the minimum requirements of the Maine State Plumbing Code.

A suitable area was located 140 feet southeasterly from the corner of the Pickering and Blastow lot, measured along the stonewall marking the northeasterly boundary of the McCauley lot. The suitable area was located 40 feet inward from the stonewall boundary. The two suitable soil observation test pits were marked by hardwood stakes labeled TP 1 and TP 2. The suitable area is located approximately 110 feet in from the field to the southeast. See the attached sketch.

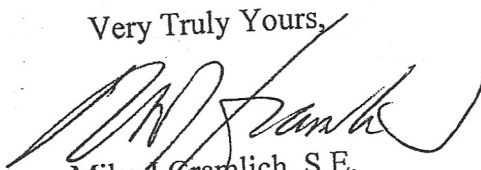
The suitable area contained a moderately well drained gravelly sandy loam glacial till with refusal between 18 to 24 inches below the surface. These soils require medium large sizing for disposal field design. Bedrock may be refusal in these test pits.

A typical three-bedroom home would require a disposal field of a 20 x 45 foot stone and pipe disposal bed preceded by a 1000-gallon septic tank. There are other suitable sites for subsurface disposal located upon this lot. The great number of blown down trees in the vicinity of your proposed building location prevented us from examining some of the lot. Soils appear fairly uniform across the lot and we expect few problems in siting a disposal field in other locations.

Proposed wells should be placed 100 feet minimum from the proposed disposal field. Monolithic-constructed septic tanks can be placed a minimum of 50 feet from an owners drilled well and 100 feet from neighbor's wells. Structures must be located a minimum of 20 feet from the proposed disposal field.

If you or others have any questions or require additional information, please contact my office.

Very Truly Yours,



Mike J Gramlich, S.E.