

WOODLAND SERVICES, Inc.
ENVIRONMENTAL PLANNING
PO BOX 1323 Manchester, Ctr. VT 05255
802-379-1228 or 802-375-6970
woodserv1@myfairpoint.net
July 31, 2014

SITE EVALUATION REPORT

Owner/Client: Nanette Gilmore Trust, West Side of South ST, VT 133

Date of testing: July 24, 2014

Location: Test area is located in the eastern 1/3 of the 15.7 acre lot.

Purpose: Determine lot suitability for residential development under the Vermont Environmental Rules. Scope of work limited to one home site.

Procedure: Prior to my initial site visit, a database search of flood hazard areas, hydric soils and wetland mapping was conducted. The Vermont Natural Resource Atlas identified Class II Wetlands, Hydric Soils and Special Flood Hazard Areas occurring on the property. Avoidance of these area of limited potential will simplify the permit process. A copy of this map is attached.

During my site visit I was shown the intended building sites by Hakan Brosnan, the contract holder. Limiting our testing to the upland meadow adjacent to Route 133, six deep soil test pits were excavated and detailed soil logs were written to determine site limitations for on-site wastewater disposal.

Results: In test pits one and two, 20-24" of gravely silt loam is found above firm silt loam to a depth of 72 inches. The firm silt loam exhibits evidence of seasonal high water table at 22-24". Test pits three through six were typically gravely sandy loam to 30" underlain by a firm gravely sandy loam horizon. Estimated seasonal high water table in these pits was 30 inches. Complete soil log field notes will be kept on file for future use in site permitting.

Recommendations: I believe this site to be suitable for at least a four bedroom residence. The wastewater disposal area should be located over test pits 3-6. Due to the presence of seasonal high water table of less than 36" a mound type wastewater disposal system will be required. To determine the specific system size, percolation tests must be conducted and a Design Flow selected.

WOODLAND SERVICES stands ready to prepare your final design and Vermont Water Supply and Wastewater Disposal Permit.

Respectfully submitted,

Christian C. Heins
Vermont Licensed Designer #182

Attachment: VT Natural Resource Atlas Map