Jason Barnard
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(802) 453-2597 (Phone)

December 17, 2008

Town of Charlotte
Planning and Zoning Department
Attn: Tom Mansfield
159 Ferry Road
Charlotte, Vermont 05445

RECEIVED
DEC 18 2008
CHARLOTTE
PLANNING & ZONING

Subject: Melissa Mendelsohn, 1306 Orchard Road, Charlotte, Vermont (WW-138-0820) - Wastewater Disposal System Completion Letter

Dear Tom:

I am writing to inform you that the replacement Presby Environmental Enviro-Septic wastewater disposal system has been successfully completed for the Melissa Mendelsohn 2.67+/- acre parcel located at 1306 Orchard Road in Charlotte, Vermont. The Town of Charlotte approved (WW-138-0820) replacement Presby Environmental, Enviro-Septic wastewater disposal system was staked out by me on November 24, 2008, and was installed by Parker Excavation, Inc. between November 25 and December 12, 2008. Based on my inspections, the replacement Enviro-Septic wastewater disposal system that will serve the existing 3-bedroom single-family residence and accessory office/studio was installed in conformance with my design drawings dated August 27, 2008. It is important to note that the existing residence is currently a 3-bedroom single-family residence; however, the replacement wastewater disposal system is designed and constructed to properly treat and dispose of wastewater generated by a 4-bedroom single-family residence.

During construction of the Enviro-Septic wastewater disposal system, inspections of the existing 1,000-gallon concrete septic tank, the new effluent filter that was installed in the existing septic tank, placement of the approved system sand (see **Attachment A** – System Sand Sieve Analysis), the Enviro-Septic piping and final grading were performed by me between November 26 and December 16, 2008. Results of my inspections clearly show the proper preparation of the ground surface beneath the sand, the proper placement and depth of the State of Vermont approved system sand and proper placement of the Enviro-Septic pipes. The final inspection that was performed on December 16th showed the Enviro-Septic system has been properly graded, seeded and mulched.

Based on my inspections during the construction of the replacement Enviro-Septic wastewater disposal system and the successful completion of all performance tests, "I hereby certify that, in the exercise of my reasonable professional judgment, the installation-related

information submitted is true and correct and the potable water supply and wastewater systems were installed in accordance with the permitted design and all permit conditions, were inspected, were properly tested, and have successfully met those performance tests".

As a note to the homeowner, in order to ensure longevity of the system the septic tank should be pumped out every three years. Additionally, to ensure proper working order of the system, the effluent filter should be accessed and rinsed back into the septic tank twice a year.

Should you have any questions or comments regarding the installation information discussed above, please feel free to call me at (802) 453-2597.

Regards,

Jason S. Barnard
Licensed Designer #430-B

C: Melissa Mendelsohn

Attachment A

System Sand Sieve Analysis

Sieve Analysis Test Report

Material Tested CONCRETE SAND

Sample Identification P-2 Test No. 2

Retained						Passing				
Cumulative Percent	Cumulative Weight	Required Limits	Percent	Weight	Screen Size	Weight	Percent	Required Limits	Cumulative Weight	Cumulative Percent
2.2		4	2.2	6.5	4		97.8	95-100		96
16.7		12	14.5	42.8	8		83.3	80-88		84
38.7		24	22	64.7	16		61.3	56-64		60
60.3		21	21.6	63.6	30		39.7	35-43		39
82		19	21.7	63.9	50		18	16-24		20
96.3		14	14.3	42	100		3.7	2-6		6
		4	2.9	8.5	200		.8	1-2		2
		2	.8	2.4	Pan			—		—

2.96 ← F.M. 294.4

Time: 1115

Date: 6-10-08

Certified By: DAW

F.M. REQ: 2.95

F.M. RANGE: 2.90-2.95

(8/22/91)