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**Consulting, LLC**  
4400 VT Route 17  
Starksboro, VT 05487  
(802) 453-2597 (Phone)

July 3, 2009

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

Subject: John and Shannon Simard, 4126 Greenbush Road, Charlotte, Vermont  
(WW-138-0902) - 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 John and Shannon Simard 2.0+/- acre parcel located at 4126 Greenbush Road in Charlotte, Vermont. The Town of Charlotte approved (WW-138-0902) replacement Presby Environmental, Enviro-Septic wastewater disposal system was staked out by me in April 2009, and was installed by Dennis Casey between June 5 and 19, 2009. Based on my inspections, the replacement Enviro-Septic wastewater disposal system that will serve the existing 3-bedroom single-family residence was installed in reasonable conformance with my design drawings dated March 10, 2009.

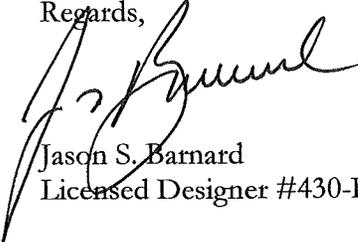
During construction of the Enviro-Septic wastewater disposal system, inspections of the new 1,000-gallon water-proof concrete septic tank, the new effluent filter, placement of the approved system sand (see **Attachment A** – System Sand Sieve Analysis), the Enviro-Septic piping and final grading were performed by me between June 5 and 30, 2009. Results of my inspections clearly show the proper preparation of the ground surface beneath the system 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 June 30<sup>th</sup> 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 once 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: John and Shannon Simard

Attachment A  
System Sand Sieve Analysis

# Knight Consulting Engineers, Inc.

P.O. Box 29  
Williston, Vermont 05495  
(802) 879-6343

## REPORT OF MOUND SAND GRADATION

**Client:** Dennis Casey Excavating

**Date Received:** April 8, 2009

**Project:** General Testing

**Date Tested:** April 10, 2009

**Project #:** 09190

**Delivered By:** Client

**Sample**

**Description:** Mound Sand Sample #2

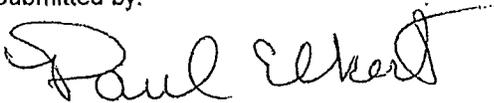
**Source:** Casey Pit

Sieve	Percent Finer	Required Percent Finer*		
		1	2	3
1/2"	100			
3/8"	100	85-100		85-100
#4	98		95-100	
#8	83		80-100	
#10	77			
#16	64		50-85	
#30	44		25-60	
#40	32	25-75		30-50
#50	22		10-30	
#60	16	0-30		
#100	8	0-10	2-10	
#200	4.1	0-5		0-10
Meets Specification?		Yes	Yes	Yes

\* Section 1-913 (C) of VT ANR Environmental Protection Rules (9-29-2007)

**Bold**: Indicates out of Spec.

Submitted by:



Paul Elkert  
Senior Engineering Technician