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October 31, 2013

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

Subject: Sorrell Family Trust, 2+/- Acre Parcel, 6281 U.S. Route 7, Charlotte, VT
(WW-138-1315) – Replacement Wastewater System Completion Letter

Dear Tom:

I am writing to inform you that the replacement mound-type wastewater disposal system has been successfully completed for the Sorrell Family Trust, 2+/- Acre Parcel located at 6281 U.S. Route 7 in Charlotte, Vermont. The Town of Charlotte Planning and Zoning Office approved (WW-138-1315) replacement mound wastewater disposal system was staked out by me on October 23, 2013, and was installed by Scott M. Barnes (SMB), Custom Land Works between October 28 and 31, 2013. Based on my inspections, the replacement mound-type wastewater system which has been sized to properly treat and dispose of domestic wastewater generated by a 3-bedroom single-family residence was installed in reasonable conformance with my design drawings dated August 14, 2013.

During construction of the replacement mound wastewater system, inspections of the existing septic tank, required effluent filter in the existing septic tank, new 800 gallon concrete pump station, plowed layer beneath the mound sand, the placement of the State of Vermont approved mound sand, mound system absorption bed, the distribution piping network and grading was performed by me between October 28 and 31, 2013. Before the existing 1,000 gallon concrete septic tank was retrofitted with an approved effluent filter, the tank was visually inspected and results of the inspection showed the existing septic tank appears to be in good condition and does not show signs of leakage.

Results of my inspections clearly show the proper preparation of the ground surface prior to placing the mound sand, the proper placement of the approved mound sand (see **Attachment A** - Mound Sand Sieve Analysis) and system stone, the proper installation of the required effluent filter in the existing septic tank and proper installation of the 800 gallon concrete pump station. The final grading inspection that was performed on October 31st showed the replacement mound wastewater disposal system has been properly covered and graded. Based on discussions with Scott Barnes, due to rain on October 31st the mound will be seeded and mulched on either Monday, November 4th or Tuesday, November 5th.

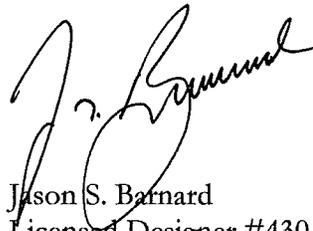
A flow test of the distribution piping network was performed on October 30, 2013. Results of the flow test showed the squirt height of the distribution system was 6' high and the difference in flow (i.e. squirt height) was less than 10% between any of the orifices. Based on discussions with Scott Barns, the pump station and high water level alarm wiring is scheduled to be performed by a licensed electrician on November 4, 2013.

Based on my inspections during the construction of the replacement mound-type 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 wastewater system was 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 and pump station should be pumped out every three (3) years. Additionally, to ensure proper working order of the system, the effluent filter should be accessed and rinsed back into the septic tank once (1) 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: Ray Sorrell, Jr.