



Board of Health

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August 7, 2024

Robert Murchison
Fenix Partners Brush Hill, LLC
177 Lake Street
Sherborn, MA 01770

Sent via email only to: bob.murchison@me.com

RE: Brush Hill Homes, 34 Brush Hill Road, Sherborn MA— Deficiency letter for proposed septic system plan #24-47 and overall site and plan index

Dear Mr. Murchison,

Please be advised that the application and septic system design plan for 34 Brush Hill Road, Sherborn, MA, dated 06/26/24, received by our office on 06/27/24, have been found to be deficient based on the following deficiencies or missing information:

1. The buffer line on the northwest portion of the plot plan on Sheet 1 of 4 does not define the buffer zone.
2. The room count for each unit is not provided on the plot plan in the design criteria noted on Sheet 1 of 4.
3. There is to be a profile of the force main distribution line to assure there are no sags in this force main.
4. The note on the septic tank minimum cover shall also note the maximum cover allowed on Sheet 3 of 4 under note B-4.
5. The pump chamber maximum cover shall be noted on Sheet 4 of 4 in the profile section of the pump chamber that notes the minimum cover.
6. The legal documents required by 310 CMR 15.000 (Title 5) for this shared system shall include the required maintenance for the annual septic tank pumping and outlet tee effluent cleaning, see notes B 2 and 3 on Sheet 3 of 4.
7. The groundwater levels at the inlet and outlet inverts for the septic tank are to be provide the groundwater level for compliance with 310 CMR 15.227(5).
8. Each septic tank compartment capacity has not been shown on the profile on Sheet 3 of 4.

9. There is no indication on the plan that the boundaries are legal boundaries.
10. The soil testing has not been spaced uniformly over the proposed soil absorption area.
11. The basement levels for each unit are to be shown. As provided for Unit 5 on Sheet 2 of 4, a profile showing the basement floors and the existing invert for the building pipes for each unit shall be provided.
12. There is a structure shown at the northwest corner of the lot that is not labelled. This unit appears to be part of the drainage structure.
13. The location of the pump alarms has not been provided.
14. The location of the electric circuits for the pumps and pump alarm have not been provided.
15. The water source for the water storage tank for fire suppression has not been provided.

Additional Notes:

- A. The septic plan has not been reviewed and approved by the Conservation Commission.
- B. The well applications and fees have not been received.
- C. Deed recordings prohibiting the installation of garbage grinders are to be completed prior to the septic and well plan being released for construction.
- D. The well water line to Unit 4 is under the garage slab. Please indicate the methods to be utilized to prevent this water line from freezing.
- E. The noted units are shown as conceptual. Revised septic and well plans shall be submitted showing actual units to be built.
- F. There is to be a note on the septic plans that indicate if this is an open space proposal. The reason for this notice is to assure that individual septic systems for each lot are not required per the shared system requirements in 310 CMR 15.000 (Title 5).

Please be advised that additional reviews will be take place by the peer reviewer and additional deficiencies may be noted from these reviews. A meeting with the peer reviewer and your engineer will be scheduled upon completion of the peer reviewer's response.

Sincerely,
SHERBORN BOARD OF HEALTH



Mark Oram,
Health Agent

Cc: Bert Corey, DGT Associates — via email only

Cc: Steve Bouley, Tetra Tech — via email only

Cc: Peter Dillon, Tetra Tech — via email only