



## Board of Health

TOWN HALL • 19 WASHINGTON ST. • SHERBORN, MASSACHUSETTS 01770  
508-651-7852 • FAX 508-651-7868

February 16, 2024

Fenix Partners Farm Road LLC  
177 Lake Street  
Sherborn MA 01770

RE: Response to February 2, 2024 letter addressing the 65 Farm Road Letter of Deficiencies for Proposed Septic System and Overall Site and Plan Index

Dear Fenix Partners Farm Road LLC

The following is a review of the response letter including the septic and well plans dated February 2, 2024 in respect to the deficiencies noted on the deficiency letter dated January 18, 2024 sent by the Board of Health:

Deficiency:

#7, The water lines have been provided on the plot plan, additional details on the depth of the water lines and if there are any water shut offs are to be provided on a profile for these water lines. Also, is there any plan to double pipe the water lines when they are placed under paved areas?

#9, A groundwater profile is to be provided for the estimated groundwater determination at the septic tanks and the pump chamber. This detailed profile is to show the groundwater deep holes labeled SLTP 2 and SWTP 3 and the extrapolation of the groundwater from these deep observation holes to the septic tanks and pump chamber. Please define the labeling acronyms for these deep holes and provide the Frimpter method adjustments with the formula utilized including the USGS comparison well utilized in this formula for the Frimpter method.

#10 and Note E, The soil testing shown on the plot plans does not correspond to the field soil evaluations. This shall be resolved including the need to note the sandy loams soils that were determined in the field to allow for accurate groundwater mounding and groundwater adjustments. Please note that the determined Soil Web data determined onsite indicated the following soils: Hollis at 35%, Rock Outcrop at 30 %, Charlton at 20%, Canton at 10% and Montauk at 3%. This information will be helpful in determining the determination the soil types and with setting the groundwater adjustments and mounding.

#14, The elevations of the percolation test holes should be shown on the percolation test table on sheet 4 of 10 to allow the transfer of this information provided in a separate location on the deep hole data.

#15, Refusal was determined in the field for deep observation holes 55-10 and 55-10 AN. The refusal was found and recorded as being that the bottom of both these deep observation holes and have not been shown on the revised soil testing date on sheet 4 of 10 on the plot plans.

The following is still pending further review:

The groundwater adjustment data and formula utilizing the Frimpter method is to be provided including the USGS reference well for the groundwater adjustment noted on deep observation holes 55-2 and 55-11 shown on Sheet 4 of 10.

In the review of the revised septic plans, it was determined that the required maximum cover allowed over the septic tanks, pump chamber and the soil absorption system has been exceeded by more than 36 inches and is not in compliance with Title 5, 310 CMR 15.221 (7). The profiles for the septic tanks and pump chamber are to indicate the final grades on the profile. The stepped soil absorption system utilizing Cultecs are to be shown on a profile with the adjusted groundwater, the Cultecs chambers and final cover.

The Board of Health will be addressing the February 2, 2024 responses in respect to the deficiency letter dated January 16, 2024 and other documents for this project at their Board of Health meeting scheduled for February 21, 2024.

Feel free to contact me with any questions.

Sincerely,

Mark Oram, Sherborn Board of Health Agent

Electronically copied to owner and engineer and sent by mail

-Mr. Robert Murchison, AB Realty Trust

-Engineer- Desheng Wang, P.E., Creative Land & Water Engineering, LLC

-Tetra Tech Consultants