

February 2, 2024

To: Mr. Mark Oram
Sherborn BOH
19 Washington Street
Sherborn, MA 01770

Dear Mr. Oram:

Thank you for sending us your review comments. We have revised the plan to incorporate your comments and recommendations. To facilitate your review, we provided in the following a brief response point to point to your comments. Your comment is quoted first in *italics* and followed by our response in **red**.

Please be advised that the application and septic system design plan for 65 Farm, Road, Sherborn, MA, dated 11/30/2023, received by our office on 12/12/2023, and subsequently reviewed with the engineer and peer reviewer, have been found to be deficient based on the following deficiencies or missing information:

1. *The owner's name and address are not noted on the septic plan.*
Response: This information is listed as General Note #1.
2. *The well on the property next to the septic system on 55 Farm Road is not shown on the plot plan.*
Response: The well was shown on Sheet 2 but can now also be seen on Sheet 1. The distance from the well to the proposed SAS is 141.60-ft upgradient of the SAS.
3. *If variances are being requested from the Sherborn Board of Health regulations, these waivers are to be noted on the proposed plot plans that show the well and septic system.*
Response: Please note this application is for Title V approval only. The design meets all Title V requirements. To the extent waivers from local regulations are required, Fenix Partners Farm Road Development will seek them from the Sherborn ZBA as proscribed by MA Chapter 40B. As a practical matter, we expect to request a waiver for the 125 ft setback from BVW for the SAS location.
4. *Septic note#5 is to indicate the need to notify the Board of Health.*
Response: The notification to Board of Health is detailed in Design Construction Note #1.
5. *Each septic tank compartment capacity has not been shown.*
Response: The capacity of each compartment of the septic tank is added as requested on Sheet 7 of 10.
6. *There is no indication on the plan that the boundaries are legal boundaries.*
Response: The boundaries of the project site have been legally determined and recorded in the ANR Plan of Land by Samiotas Consultants, Inc. dated February 24, 2022. Note #10 is added to the general notes for such purpose.
7. *The water lines are not shown.*
Response: The water lines have been added to the site plan.
8. *The elevations are to be provided for all the soil testing, deepholes, and percolation testing.*
Response: The elevations are added to the soil profiles as requested. See Sheet 4 of 10.

9. *The estimated seasonal high groundwater is not provided at the septic tank and pump chamber locations.*
Response: The estimated high groundwater has been provided for all the tanks in the profile. See Sheet 7 of 10.
10. *The soil test logs on sheet 4 of 9 do not match the information collected by the Health Agent, see Note F [E] below.*
Response: See response to Note E below.
11. *A note shall be placed on the septic plans stating that all septic system covers, including the septic tank and sewer manholes covers that are raised to grade, are to be secured.*
Response: A callout note has been added as requested on Sheet 7 of 10.
12. *The percolation test inch drops for the last three inches are to be shown for the determination of the percolation rate.*
Response: A percolation summary table that shows the drops between the inches of 12 and 6 have been added to Sheet 4 of 10.
13. *Elevations for the deep holes are to be provided on the soil test logs, including the elevation for each soil horizon.*
Response: The information was provided in the soil report and have been added to the plan on Sheet 4 of 10.
14. *The elevations of the percolation test are not provided.*
Response: The elevations of the percolation tests were added to Sheet 4 of 10.
15. *On sheet 4 of 9, the soil test reports shall indicate if there was refusal at the base of the deep hole.*
Response: The soil logs are rechecked and ledge information were added to the soil logs on Sheet 4 of 10.

Additional Notes:

- a. *The septic plan has not been reviewed and approved by the Conservation Commission.*
Response: Approval of the Conservation Commission is not required by Title V. The septic system is located outside the 100' buffer zone, with modest grading to 86'. Filings with the Conservation Commission will occur after the issuance of a Comprehensive Permit by the Sherborn ZBA.
- b. *The well applications and fees have not been received.*
Response: The applicant is working with the Sherborn ZBA for permitting of wells as required by MA Chapter 40B. Distances from wells to septic are provided as required under Title V.
- c. *Deed recordings prohibiting the installation of garbage grinders are to be completed prior to the septic and well plan being released for construction.*
Response: The deed recording will be executed toward the final stage of the comprehensive permit.
- d. *The information for the mounding analysis and nitrogen loading analysis requested by the peer reviewer who also noted that there is to be a definitive statement that the abutters' wells are not being affected by this proposed septic system.*
Response: The information for groundwater mounding analysis and nitrogen loading has been provided in our hydrogeological evaluation report. Following our meeting with the Agent and the peer review hydrogeologist Peter Dillion. The updated groundwater mounding analysis and supporting data including soil texture laboratory report, and permeability analysis sheets are attached here for reference. The nitrogen budget

analysis result is also attached here for reference.

e. The soil testing on sheet 4 of 9 does not match the Health Agent's soil testing logs. The engineer was sent these soil testing logs on 12/20/2023. On 1/11/2024, the engineer noted that he has not had the opportunity to review those soil testing logs.

Response: We have rechecked our soil logs against the Agent's soil note and send out our notes back with comparison to the agent. Our field notes are attached to this letter for reference.

Feel free to contact us if you have any questions.

Sincerely,

Creative Land & Water Engineering, LLC

By



Desheng Wang, Ph.D., P.E., CWS, CSE

A handwritten signature in blue ink that reads "Francis Alves".

Francis Alves, E.I.T., CSE
Civil/Environmental Engineer