

Date: **02/07/2024**

To: **James Bernardo L.S.**

Subject Property: **50 Gurley Rd. East Lyme CT**

Plan Designed by: **Jim Bernardo L.S.** Plan Date: **05/02/2023** Last Revision Date: **02/01/2024** Date Paid: **10/31/2023**
The plan and associated information submitted to our office on **02/05/2024** for a proposed **3 bedroom residential building with private well and private septic** at the above stated property, in the Town of **East Lyme, CT** is:

Approved w/conditions: Complies with the requirements of Section 19-13-B103 of the Connecticut Public Health Code; See conditions below.

Conditions:

1. A confirmation test pit shall be dug and observed by LLHD prior to inspection. This must be done in order to demonstrate >8' to ledge from the bottom of the proposed leaching (perc rate <1min/in). Currently 7.5' demonstrated. Test pit shall be dug to a minimum of 114" from grade.
 - a. If the test pit cannot be dug to 114", then the septic plan must be revised to demonstrate having 150' separating distance to all nearby wells.
2. Septic system area shall be staked and protected during construction, the proposed driveway is extremely close to the proposed leaching.
3. Floor plans only show one floor, this does not include a second story or basement. If the house plans (layout and/or footprint) are to change prior to permit issuance, these updated house plans and an updated septic plan shall be submitted to LLHD for review.
4. Sewer line from house to septic tank shall be inspected prior to the construction of the front porch.
5. PT #2 is labeled as TP #2 on sheet 2 depiction.
6. Stable benchmark adjacent to proposed building and sewage disposal system. Installer should not be required to transfer benchmarks when considerable differences (more than 10' to 15') exist between the benchmark and leaching area. If the benchmark is disturbed prior to construction, the engineer should set another one for construction purposes.

Notes/Recommendations:

7. Proposed garage shall have no footing/perimeter drains.
8. Footing/perimeter drains and discharge points shall remain >25 to septic system.
9. System length may be shortened to 50LF, which would still meet the required ELA for a 3 bedroom single-family house, MLSS is not applicable.
10. Minimum 6" of cover required over all septic components.
11. Design approved without a garbage grinder or large tub exceeding 100 gallons, if installed septic tank shall be sized accordingly.
12. All newly installed septic tanks shall have an approved non-bypass effluent filter that is rated for the design flow of the SSDS.
13. If a riser cover weighs less than 100 lbs, then the tank cover shall remain in place or a secondary safety lid or device shall be provided. It is recommended that secondary safety lids or devices be utilized for safety reasons even if the riser cover weighs 100 lbs or greater. Secondary safety lids or devices must be installed per manufacturer specifications and should be installed as shallow as possible to facilitate maintenance.

The following are not currently required by CT Public Health Code and/or LLHD Plan Review Policies but are encouraged/recommended to protect the proposed structures, onsite septic system, water treatment discharge system and/or water supply/groundwater.

1. All proposed well arcs should be kept on the property they serve (to allow neighbors full use of their properties) and all well casings should be located at least 10' from driving surfaces and/or structures to prevent future damage and allow for future maintenance of the wells.
2. It is strongly encouraged to keep the original tank covers on all tanks requiring risers to prevent the escape of sewer gases and prevent individuals from falling into tanks.
3. The designer should take into consideration the location of potential future water treatment discharge systems, rain gardens and footing/gutter drain discharge locations.

Additional Requirements and Recommendations:

1. **Installer to submit scaled and/or tied as-built to LLHD upon 30 days of completion with distances to flow line at house, inlet and outlet cover of tank, d-boxes, cleanouts and ends of leaching rows, well, footing/curtain drains and between tie points. In addition, provide the name of installer, date, house location and street/directional arrow.**

***Please note that soils testing indicated on this plan are representative of actual soils conditions and additional deep test pits and percolation tests may be required by the Ledge Light Health District if the building or system location is altered and/or the suitable septic area is limited. Applicant should be aware that subdivision approval IS NOT sufficient for individual lot approval. Each lot must be reviewed by the Ledge Light Health District at the time of building permit application in order to obtain lot approval and issue a septic/well permit.**

Please call me at 860-448-4882 ext 1316 with any questions regarding this matter.

Sincerely,



Joseph Blanchard, REHS/RS
Sanitarian II

Cc: Town of East Lyme Code Enforcement Officials