

March 25, 2025

Subject: 2 Enterprise Lane Montville, CT review of engineered plans for a commercial subsurface sewage disposal system, revised 3/21/25.

To: John Dempsey Jr., Homes "R" Us, LLC

From: Alyssa Brochu, REHS/RS, Environmental Sanitarian

Engineer: Ellen M. Bartlett, P.E.

Reason for submission: ☐ Minimum perc rate faster than 1 min/inch

☒ High maximum ground water level ☐ Shallow ledge rock ☐ Other

☒ New construction ☐ Repair

Basis of design: Industrial Building with office. 1,500 sf office @ 200 sf/person = 8 employees; 160 gpd. 7,500 sf industrial space @ 0.1 gpd/sf = 750 gpd. 910 total gpd. Application rate 1.2 gals/sf = 758.33 sf

Design specifications:

MLSS: N/A

Design perc rate: 20 Min/Inch

Septic tank: 1000 Gallons

Fill: 7'

Leaching system: 1 row of 26' of GeoU1851, @ 29.9 sf/lf, 777.4 sf;
758.33 sf required.

Drains: Catch basins & piping, roof drains, infiltration system, & oil separator.

Water supply: Proposed well off the SE corner of the building

Plan review only, not approval to construct:

☐ Approved

☒ Approved with modifications or provisions noted.

☐ Conditional approval subject to further testing & modifications or provisions as noted (*revised plan & additional testing required*).

☐ Approval denied, revise as noted (*revised plan required*).

☐ Approval denied, insufficient information on plan (*revised plan required*).

☐ Approval denied, further site investigation required.

Comments:

- 1] Not enough pitch provided on the sewer line. .25' provided, .31' required.
- 2] As stated on page 45 of the Connecticut Public Health Code Technical Standards for Subsurface Sewage Disposal Systems – “In accordance with the stipulations of Geomatrix Systems, LLC, unless otherwise authorized by Geomatrix Systems, LLC, all GeoMat Edge and GeoU leaching systems shall be installed in conjunction with a Soil Air System approved for use by Geomatrix Systems, LLC, and S-Box (SB1 series) leaching systems shall be configured for use with a Soil Air System that entails installing an air supply line for possible future use. See Section VI D for additional information on use of the Soil Air System.”
- 3] As noted, a benchmark is to be set in the area of the system.
- 4] As noted, after the fill is placed and compacted, it must be perc tested prior to installation of the system.
- 5] As noted, prior to the start of construction, the building and system are to be staked by a licensed surveyor.
- 6] The septic tank covers must remain in place inside the risers.

