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Date: 5/21/20

To: **Wes Wentworth, PE**

Subject Property/Plans:

1. 16 Oak Tree Avenue and Adjacent Land, Property of Brandon W. Shumbo, East Haddam, CT (Sands E Aeschliman, LS)
2. Existing Conditions Survey 78 Shore Rd & Adjacent Land Property of Stanley W. Deborah L. Shumbo, East Haddam, CT (Sands E Aeschliman, LS)
3. Septic System Design Plan 16 Oak Tree Ave, Prepared for Brandon Shumbo, East Haddam, CT (Wesley J Wentworth, PE)

Plan Designed by: **1 and 2- Sands E Aeschliman, LS and 3-Wesley J Wentworth, PE** Plan Date: **1- 4/22/20, 2-6/11/14, 3-3/31/20** Last Revision Date: **None** Date Paid: **May 2020**

The plan and associated information submitted to our office on **4/28/20** and **5/11/20** for a proposed **19-13-B100a (e)-Sewage Disposal Area Preservation lot line revision between Parcel A Original (16 Oak Tree Lane 16,000ft²), Parcel A Second Piece (7,266ft²) and revised property line between 16 Oak Tree Lane and 78 Shore Rd (Parcel B 27,843ft²).** The applicant is also submitting for the construction of a replacement 3 bedroom house (previous house was removed) at 16 Oak Tree Lane (Plan 3 above) with 450 GPD, existing private water and onsite septic system repair consisting of a 1000 gallon septic tank and 36' of Geomatrix LLC GST 6218 for 504ft² at the above stated property, in the Town of EAST HADDAM, is:

While the plans are generally acceptable, the following items must be submitted/approved by the Chatham Health District prior to issuing final approval for the lot line revisions per CT Public Health Code 19-13-B100a (e):

1. It is the understanding of Chatham Health District (CHD) that the East Haddam Planning and Zoning Commissions/Departments recognizes that the Lot of Stanley W and Deborah Shumbo (78 Shore Rd) extends from the Moodus Reservoir, across the Gravel Right of Way and to what is called Parcel B as a continuous lot. The gravel right of way does not separate the two areas into two separate parcels.
2. Plan 1 above (by Aeschliman) is to be stamped and signed by the designer.
3. The applicant is to complete the attached CHD 19-13-B100a application.
4. The existing eastern most drywell for 78 Shore Rd is to be properly abandoned and replaced by a licensed septic installer, who has obtained a septic repair permit, inspections and approval from CHD. A confirmatory test pit is to be witnessed by CHD near the area of the proposed 6' x 6' drywell replacement on plan 3 above (Wentworth) and elevation verification of the remaining drywell prior to installation.

The following items must be submitted/approved by the Chatham Health District prior to issuing final approval for the proposed house, and septic system at 16 Oak Tree Lane:

1. Provide a tank cross section on the plan and the length of pipe between the septic tank and leaching system.
2. The Geomatrix LLC GST is now required to have an access port with information on the system, please indicate if this will be the point of access (instead of a d-box) for the leaching system.
3. The existing unused 6' x 6' drywell from the old house and existing garage shall be properly abandoned (per plan).

4. As indicated on plan 3 (Wentworth), the existing garage is a one bedroom residential outbuilding (floor plans provided) served by the existing well for 16 Oak Tree Lane and has a 1000 gallon septic tank and 6' x 6' drywell surrounded by 2' of stone for 188ft².
5. An as-built shall be submitted (A2 with ties for Engineered plan and tied plan for non-engineered) to CHD 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.
6. All tanks requiring risers shall maintain the original covers on the tanks, have riser covers that weight at least 59 lbs. and/or install a safety device below the riser to prevent individuals from falling into a tank. All below grade tank or riser cover handles shall contain or be fitted with a material that can be located with a metal detector.
7. The CHD shall be notified at least 24 hours prior to any inspections and the following inspections will be required:
 - a. System Stake/Benchmark inspection/Well Site Stake Verification
 - b. Septic leaching strip Inspection
 - c. Septic Final Inspection (which may also require other inspections including, but limited to fill inspections / percing of fill, pump/pump chamber, grease trap, curtain drain, footing drain discharge, cover inspections, building walkthrough, water treatment wastewater disposal system location verification, well casing and cap verifications)

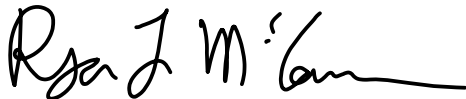
The following are not currently required by CT Public Health Code but are encouraged/recommended to protect the proposed structures, onsite septic system, water treatment discharge system and/or water supply/groundwater.

1. 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.
2. The designer should take into consideration the location of potential future water treatment discharge systems, rain gardens and footing/gutter drain discharge locations.

*Please note that soils testing indicated on this plan are representative of actual soils conditions and additional deep test pits, groundwater monitoring, and percolation tests may be required by the Chatham Health District if the building or system location is altered, there is a question on the soils testing 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 Chatham 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 860-494-5401 or e-mail at ryan.mccammon@chathamhealth.org with any questions regarding this matter.

Sincerely,



Ryan McCammon, RS

Cc: **Owner-** Stanley and Deborah Shumbo and Brandon Shumbo
Town of East Haddam, Planning and Zoning Official/Commissions
Town of East Haddam Building Dept

Attach: CHD B100a application