



## PERMIT TO DISCHARGE

Approval is hereby given to **property owner**, in accordance with Public Health Code Section 19-13-B103e (h) to discharge to a subsurface sewage disposal system located at **19 Military Highway** in the **Town of Ledyard, CT** that will receive domestic sewage from a:

Residential building containing **2 or 3** bedrooms. Single family **YES**.

**Design Flow = 450 gallons per day. Permitted Flow = 4500 gallons per day.** Note: The design flow shall equal the permitted flow, except for non-compliant repairs (See Section IV D). In order to provide a sufficient factor of safety it is recommended that the average daily discharge not exceed 2/3 of the design flow or **300** gallons per day.

**Operation and Maintenance:** The **1,000** gallon 2-compartment septic tank shall be inspected regularly and cleaned as needed but not less frequently than every five years. The septic tank **had a Zabel** effluent filter. Effluent filters require periodic cleaning. Failure to clean the filter could result in a backup of sewage into the building or effluent breakout. Restaurants serviced by external grease interceptor tank(s) require quarterly inspections and cleaning as necessary. Tank pump-outs tracked by local health department- . If yes, stipulate pump-out requirements: .

**Special Requirements and Restrictions:** 1. Septic system malfunction or failure shall be addressed and wastewater from water treatment systems cannot discharge to the subsurface sewage disposal system.

**Exceptions (Repairs Only):** .

**File Information:** Construction Permit No. **L-1487-16** Approved as-built on file: **YES**  
Date of Final Inspection: **August 11, 2016** Inspected By: **George P. Calkins, R.S.**  
Installer: **Dan Quinn**

**Permit Issuance:** Issued by: **George P. Calkins, R.S.** Title: **Senior Sanitarian**  
(Director of Health or Registered Sanitarian)

Signature: \_\_\_\_\_

*George P. Calkins R.S.*

Date: \_\_\_\_\_

*8/12/16*

Permit expiration date (5 years from issuance date): **August 12, 2021**

1/1/09-Form #4 Technical Standards for Subsurface Sewage Disposal Systems  
Rev. 10/12

ENTERED IN  
FILEBOUND

Promoting healthy communities

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# Ledge Light Health District

*A Beacon for Public Health Leadership and Partnerships*

## APPLICATION FOR APPROVAL TO CONSTRUCT A SUBSURFACE SEWAGE DISPOSAL SYSTEM L-1487-16

**Fees**  
New \$175  
Repair \$100

To the Director of Health, Town of: Ledyard Date: 8-12-16

Application is hereby made for an approval to construct a subsurface sewage disposal system for a:

3 Bedroom Home

(Residential Building, Restaurant, Retail Building, etc.)

located at: 19 Military Highway  
(Street Address, Lot Number, Subdivision Name, Map, Block, Lot, etc.)

New System: \_\_\_\_\_ Addition: \_\_\_\_\_ Repair: ☒ Other: \_\_\_\_\_

Owner: Fred Allyn Jr Address: \_\_\_\_\_ Tel.# \_\_\_\_\_

Installer: Dan Quinn Address: 297 Rt. 164 Preston Tel.# 860-917-3907

Installer License No. 5016 Select fill (Y/N): \_\_\_\_\_ Sieve Source/Date: C-33 - McGlure

In accordance with detailed information stated below:

Application fee paid: 100 Signed: [Signature]  
(Owner and/or Licensed Installer)

### GENERAL INFORMATION

Soil Tests Conducted (Date): yes 8-4-16 Lot size: \_\_\_\_\_ sq.ft.

Area of Special Concern (Y/N) No If yes, Reason(s): \_\_\_\_\_

Basis of Design (# of Bedrooms, Restaurant Seats, Building Size, etc): 2

Engineered Plan Required (Y/N): \_\_\_\_\_ If yes, Name of Engineer: \_\_\_\_\_

Address of Engineer: \_\_\_\_\_ Tel. # \_\_\_\_\_

Design Plan Approved (Y/N): \_\_\_\_\_ Date of Approved Plan: \_\_\_\_\_ Revision Date: \_\_\_\_\_

Type of Water Supply: Public If well, has location been approved (Y/N): \_\_\_\_\_

Well Driller's Name: \_\_\_\_\_ Address: \_\_\_\_\_ Tel. # \_\_\_\_\_

### OFFICE USE ONLY

Approval to Construct is hereby issued by: [Signature] Date: 8/12/16

(Print Name)

Signature: [Signature] Title: Sanitarian

Note: Approvals to Construct can only be issued by the Local Director of Health or Registered Sanitarian

1/1/07 Form #1 Technical Standards for Subsurface Sewage Disposal Systems Rev. 7/07

19 Military Hwy. Ledyard  
 Dan Quinn  
 8-11-16

2" pvc  
 Cleanout  
 Inspection Point  
 4/5  
 700 Vm x  
 95.37

Grid  
 8/14/17

street  
 WL

Tanks in 95.23  
 out 95.01

top Mantis E 93.38  
 F 93.35

AC = 16'  
 AD = 16'

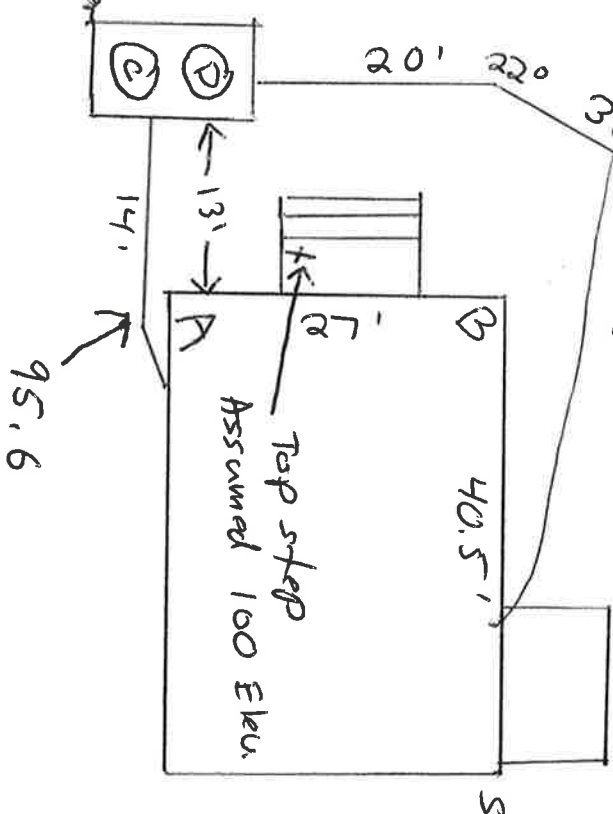
BC = 32'

BD = 26.5'

BE = 30'

BF = 74.2'

1000 G  
 Jolley  
 Zaber Filter  
 7-15-16



ENTERED IN  
 FILEBOUND

SOIL TESTING – PROPERTY OF FRED ALLYN, JR.  
19 MILITARY HIGHWAY, LEDYARD  
AUGUST 4, 2016  
G. CALKINS, D. QUINN

TEST HOLE #1

0 – 24/26" -nested large rocks

TEST HOLE #2

0 – 10" -topsoil

10 – 46" -fine orange/tan loamy sand

46 – 108" -tan to gray med/fine to fine sand

-no ledge, no water, no max. water

TEST HOLE #3

0 - 34/38" -topsoil & sand fill

34 – 45" -original topsoil

45 – 60" -orange/brown loamy sand

60 – 108" -tan sand

-no ledge, no water, no max. water

TEST HOLE #4

0 – 10" -topsoil

10 – 26" -orange/tan loamy sand

26 – 111" -gray med/fine to fine sand & tone, till

-no ledge, no water, no max. water

