

- ### Notes
- This plan is to be used only for the approval and installation of a sewage disposal system and is not to be used for any other purpose.
  - All construction and components shall conform to Massachusetts State Environmental Code TITLE V and Local Board of Health Requirements.
  - This design does not warrant the location of underground pipes, wires, utilities or other underground structures. The installer shall be responsible for locating and relocating these objects as necessary.
  - No garbage grinder is allowed with this system.
  - Any portion of this system subject to vehicular traffic shall be capable of H-20 loading.
  - An observation pipe shall be placed as shown and capped at grade so as to allow monitoring of liquid level in the leaching system. Place re-rod flush at each to aid in relocating with metal detector.
  - All access covers are to weigh at least 150 lbs. or screwed down.
  - Leaching Chambers shall consist of Infiltrator high capacity, ADS high capacity biodiffuser or an approved equivalent.
  - Any clean sand fill required by this design is to have less than 4% passing the No. 100 sieve.
  - No wells could be found within 150' of the proposed leaching facility.
  - The engineer (AND the local approving authority) is to inspect and approve the installation and placement of all septic components before final backfilling.**
  - A letter certifying satisfactory construction of this system is to be provided to the owner and the Board of Health by the Engineer.

### Soil Data

See original Septic Design by Dave Taylor dated May 12, 2000

- ### CONTRACTOR NOTES:
- Ejector pump shall be Non-Grinder type and capable of passing a 2" solid (see 310 CMR 15.229 for additional requirements).
  - The force main shall be buried to a depth of 4 ft. or insulated in accordance with the force main detail.
  - This design does not warrant the location of underground pipes, wires, utilities or other underground structures. The installer shall be responsible for locating and relocating these objects as necessary.

### Design Criteria

Design Hydraulic Loading:  
5 Bedrooms x 110 GPD/Bedroom = 550 GPD

Septic tank capacity:  
Required: 550 GPD x 200% = 1100 Gal. minimum  
Septic tank provided = 1500 Gal.

Leaching Area Requirements:  
Total Bottom Area = 30'x26' = 780 sq.ft.  
780 sq.ft. x 0.74 GPD/sq.ft. = 577 GPD

\* Per modified certification for general use High capacity leaching chamber units are allowed 4.7 sq.ft. leaching area per lineal ft. in bed configuration.

## Proposed Septic System on Land in Chilmark, MASS.

Designed for: NANCY AMEEN

Street Address: #458 NORTH ROAD

Assessor No.: 26-55

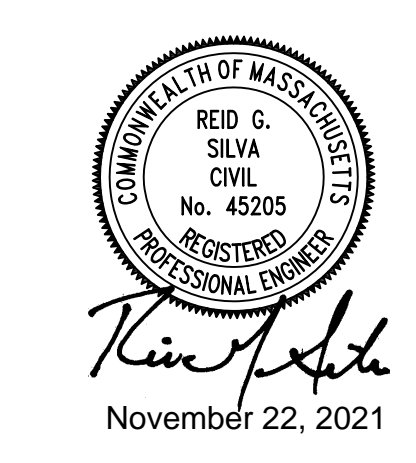
Lot Area: ±2.64 acres

Designed By: Troy Silva

Checked By: R.G.S.

Date: November 4, 2021

Revised:



**VINEYARD LAND SURVEYING & ENGINEERING**

12 Cournoyer Road  
P.O. Box 421  
West Tisbury, MA 02575  
P 508-693-3774 F 508-629-0440  
VLSE.net