



- ### 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 100' of the proposed leaching facility.
 - The engineer is to inspect and approve the leaching excavation prior to the placement of any gravel, sand or components.**
 - 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.

Design Criteria

Design Hydraulic Loading:
3 Bedrooms x 110 GPD/Bedroom = 330 GPD

Septic tank capacity:
Required: 330 GPD x 200% = 660 Gal. minimum
Septic tank provided = 1500 Gal.

Leaching Capacity Provided:
H-20 High Capacity Leaching Chamber Bed
16 Leaching Chamber Units
16 Units x 6.25 linear ft./unit x 4.72 sq.ft./linear ft. = 472 sq.ft.
472 sq.ft. x 0.74 GPD/sq.ft. = 349 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.

SOIL DATA

From William L. Snow Septic Design

Depth	Horizon	Texture
0"-6"	A	Loamy Sand
6"-48"	B	Loamy sand
48"-120"	C	med Sand

Perc. rate < 5 mpi. @ 48"
No groundwater found at Elev. = 68.2

Proposed Septic System on Land in OAK BLUFFS, MASS.

Designed for: SANDRA LIPPENS
Street Address: #145 EDGARTOWN-VINEYARD HAVEN ROAD
Assessor No.: 50-1.1
Lot Area: ±2.30 Acres
Designed By: Reid G. Silva, P.E.
Checked By: R.G.S.
Date: November 1, 2022
Revised: November 9, 2022 - guest house & septic location

November 17, 2022

Estimated depth to groundwater = ±63' below test hole #1 Elevation ±15 (as per Groundwater Hydrology of Martha's Vineyard, Mass., Delaney, 1980)

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