



- ### 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. and are to be brought to grade by adding risers as necessary. The covers are to be visible at the surface.
 - The inlet tee of the septic tank shall be easily removable (not glued) so as to allow the use of a plumbers snake if necessary.
 - 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 is to inspect and approve the leaching excavation prior to the placement of any gravel, sand or components.
 - The engineer 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.
 - Leaching Chambers shall consist of Infiltrator high capacity, ADS high capacity biodiffusor or an approved equivalent.

Design Criteria

Design Hydraulic Loading
1 Bedrooms x 110 GPD/Bedroom = 110 GPD

Septic tank capacity:
Required: 110 GPD x 200% = 220 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 4.7 sq.ft./linear ft. = 470 sq.ft.
470 sq.ft. x 0.74 GPD/sq.ft. = 347 GPD (1 bedroom design)

* 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: HENNY'S VIEW, LLC
Street Address: #48 MENEMSHA INN ROAD
Assessor No.: 21-18
Lot Area: ±76,341 S.F.
Designed By: Reid G. Silva, P.E.
Checked By: R.G.S.
Date: January 11, 2023
Revised:

January 18, 2023

SOIL DATA

Soil evaluator: Reid G. Silva, P.E.
Witnessed By: Marina Lent

Depth	Horizon	Texture
0"-10"	A	Sandy loam
10"-34"	B	Loamy sand
34"-120"	C	Loamy sand with cobbles and boulders

Perc. rate < 10 mpi. @ 34"
No groundwater found at 120" (Elev. = 85.5)

Depth	Horizon	Texture
0"-10"	A	Sandy loam
10"-36"	B	Loamy sand
36"-120"	C	Medium/Fine sand

Perc. rate < 5 mpi. @ 36"
No groundwater found at 120" (Elev. = 88.0)

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

Job No. 567-5