



- ### 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 200' of the proposed leaching facility and no leaching facilities could be found within 300' of the proposed leaching facility (unless otherwise shown).
 - 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.
 - This lot lies within the Coastal District.

Design Criteria

Design Hydraulic Loading:
4 Bedrooms x 110 GPD/Bedroom = 440 GPD

Septic tank capacity:
Required: 440 GPD x 200% = 880 Gal. minimum
Septic tank provided = 1500 Gal.

Leaching Capacity Provided:
H-20 High Capacity Leaching Chamber Bed
30 Leaching Chamber Units
30 Units x 5.0 linear ft./unit x 4.72 sq.ft./linear ft. = 708 sq.ft.
708 sq.ft. x 0.74 GPD/sq.ft. = 523 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: Quitsa Nominee Trust

Street Address: Off Chockers Lane

Assessor No.: 33-8

Lot Area: ±6.2 Acres

Designed By: Cody Coutinho

Checked By: R.G.S.

Date: October 5, 2022

Revised:

SOIL DATA

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

Depth	Horizon	Texture	Surface elevation
0"-10"	A	Sandy Loam	16.1
10"-32"	B	Loamy Sand	17.2
32"-60"	C1	Medium/Coarse Loamy Sand	
60"-152"	C2	Clay Loam	

Deep Observation Hole 1.
Date: June 17, 2022

Deep Observation Hole 2.
Date: June 17, 2022

Perc. rate < 5 mpi. @ 10"
No groundwater found at 152" (Elev. = 3.4)

REID G. SILVA
CIVIL
No. 45205
REGISTERED PROFESSIONAL ENGINEER

October 5, 2022

VINEYARD LAND SURVEYING & ENGINEERING

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LEGEND

----- PROPOSED CONTOUR

----- EXISTING CONTOUR

+100.7 ----- EXISTING SPOT ELEVATION

----- W ----- WATER SERVICE LINE

----- TEST HOLE LOCATION

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