

No. _____

Date: March 15, 2024

Commonwealth of Massachusetts
Chilmark, Massachusetts

Soil Suitability Assessment for On-site Sewage Disposal

Performed By: Reid Silva

Date: January 19, 2024

Witnessed By: Anna McCaffrey

Location Address or Lot # <u>#12 Harbor Hill Road</u> <u>(Assr. Pcl. 27.1-102)</u>	Owner's Name, Address, and Telephone # <u>Sara Khedouri</u> <u>c/o Vineyard Land Surveying</u> <u>P.O. Box 421, Cournoyer Rd.</u> <u>West Tisbury, MA 02575</u> <u>508-693-3774</u>
New Construction <input checked="" type="checkbox"/> Repair <input type="checkbox"/>	

Office Review

Published Soil Survey Available: No Yes

Year Published 1986 Publication Scale 1:20000 Soil Map Unit EcC

Drainage Class ED Soil Limitations _____

Surficial Geologic Report Available: No Yes

Year Published _____ Publication Scale _____

Geologic Material (Map Unit) Qmv

Landform Martha's Vineyard Moraine

Flood Insurance Rate Map:

Above 500 year flood boundary No Yes

Within 500 year flood boundary No Yes

Within 100 year flood boundary No Yes

Wetland Area:

National Wetland Inventory Map (map unit) N/A

Wetlands Conservancy Program Map (map unit) N/A

Current Water Resource Conditions (USGS): Month

Range :Above Normal Normal Below Normal

Other References Reviewed: Groundwater Hydrology of Martha's Vineyard, Mass. Delaney, 1980



Location Address or Lot No. #12 Harbor Hill Road
(Assr. Pcl. 27.1-102)

On-site Review

Deep Hole Number 1 Date: Jan 19, 2023 Time: Mid Day Weather Clear

Location (identify on site plan)

Land Use Residential Slope (%) 8 to 15 Surface Stones

Vegetation driveway

Landform

Position on landscape (sketch on the back)

Distances from: See Plan

Open Water Body feet Drainage way feet
 Possible Wet Area feet Property Line feet
 Drinking Water Well feet Other

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0" - 18"	A	Fill	X	X	Perc. Rate < 20 MPI @ 30"
18" - 30"	B	S/L	X	X	Perc. Rate < 15 MPI @ 68"
30" - 90"	C1	L/S w/ clay	X	X	Groundwater Found @ 65"
90" - 108"	C2	clay	X	X	Elevation 8.3

TH#1

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) Outwash Depth to Bedrock: N/A

Depth to Groundwater: Standing Water in the Hole: N/A Weeping from Pit Face: N/A

Estimated Seasonal High Ground Water: 65" Below Test Hole #1 Elevation 8.3



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Determination for Seasonal High Water Table

Method Used:

- Depth observed standing in observation hole inches N/A
- Depth weeping from side of observation hole inches
- Depth to soil mottles inches
- Ground water adjustment feet

Index Well Number Reading Date Index well level

Adjustment factor Adjusted ground water level

Depth of Naturally Occurring Pervious Material

Does at least four feet of naturally occurring pervious material exist in all areas observed throughout the area proposed for the soil absorption system? Yes

If not, what is the depth of naturally occurring pervious material? N/A

Certification

I certify that on Nov 22, 2002 (date) I have passed the soil evaluator examination approved by the Department of Environmental Protection and that the above analysis was performed by me consistent with the required training, expertise and experience described in 310 CMR 15.017.

Signature *Ricardo Silva* Date December 17, 2021

