

No. \_\_\_\_\_

Date: March 14, 2024

Commonwealth of Massachusetts  
Chilmark, Massachusetts

Soil Suitability Assessment for On-site Sewage Disposal

Performed By: Reid Silva

Date: March 8, 2024

Witnessed By: Anna McCaffrey

Location Address or Lot # <u>#76 State Road</u> (Assr. Pcl. 30-21)	Owner's Name, Address, and Telephone # <u>Heather Sommers</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) Qgh  
 Landform Gay Head 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



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**On-site Review**

Deep Hole Number 1 Date: March 8, 2024 Time: Mid Day Weather Clear

Location (identify on site plan) \_\_\_\_\_

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

Vegetation Grass

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" - 10"	A	S/L	X	X	
10" - 44"	B	L/S	X	X	w/ boulders
44" - 120"	C	L/f-m S	X	X	Perc. Rate < 5 MPI @ 44"  No Groundwater Found @ 120" Elevation 87.0

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: > ±120" Below Test Hole #1 Elevation 87.0



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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 *River of State* Date December 17, 2021

