

No. _____

Date: Aug. 29, 2023

Commonwealth of Massachusetts
 Chilmark, Massachusetts

Soil Suitability Assessment for On-site Sewage Disposal

Performed By: Reid Silva

Date: March 22, 2021

Witnessed By: Marina Lent

Location Address or Lot # <u>#7 North Abel's Hill Road</u> (Part of Assr. Pcl. 24-161)	Owner's Name, Address, and Telephone # <u>GEM Realty Trust</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



Location Address or Lot No. #7 North Abel's Hill Road
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On-site Review

Deep Hole Number 1+2 Date: March 22, 2021 Time: Mid Day Weather Clear

Location (identify on site plan) _____

Land Use Residential

Slope (%) 8 to 15 Surface Stones _____

Vegetation Woods

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)	
TH#1	0" - 8"	A	S/L	x	x	Perc. Rate < 5 MPI @ 60" No Groundwater Found @ 120" Elevation 70.2
	8" - 32"	B	S/L	x	x	
	32" - 60"	C1	S/L	x	x	
	60"-108"	C2	M/C S	x	x	
	108"-120"	C3	F.S.	x	x	
TH#2	0" - 10"	A	S/L	x	x	Perc. Rate < 5 MPI @ 96" No Groundwater Found @ 138" Elevation 70.3
	10" - 34"	B	L/S	x	x	
	34" - 98"	C1	L/S	x	x	
	98"-138"	C2	M/C S	x	x	

* 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: >10' Below Test Hole #1 Elevation 70.2



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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 August 29, 2023

