

No. _____

Date: 7.2.15

Commonwealth of Massachusetts
PEMBROKE, Massachusetts
Soil Suitability Assessment for On-site Sewage Disposal

Performed By: SHAYNE P. MCGLONE P.S. Date: 7.2.15
Witnessed By: LISA CULLITY

Location Address or Lot # <u>326 WEST ELM ST.</u> New Construction <input type="checkbox"/> Repair <input checked="" type="checkbox"/>	Owner's Name, Address, and Telephone # <u>TOWN OF PEMBROKE</u> <u>326 WEST ELM ST.</u> <u>PEMBROKE</u>
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Office Review

Published Soil Survey Available: No Yes
Year Published 1969 Publication Scale 1:20,000 Soil Map Unit 16
Drainage Class WNB Soil Limitations LOAMY SAND
Surficial Geologic Report Available: No Yes
Year Published 1947 Publication Scale 1:24,000
Geologic Material (Map Unit) GR-633
Landform QA: TILL

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) _____
Wetlands Conservancy Program Map (map unit) _____

Current Water Resource Conditions (USGS): Month _____

Range :Above Normal Normal Below Normal

Other References Reviewed: _____



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No. 326 WEST ELM ST.

On-site Review

Deep Hole Number # 1 Date: 7.2.15 Time: 10:00 Weather 800
 Location (identify on site plan)
 Land Use RES. Slope (%) 1% Surface Stones FEW
 Vegetation GRASS
 Landform
 Position on landscape (sketch on the back)
 Distances from:
 Open Water Body N/A feet Drainage way N/A feet
 Possible Wet Area >100' feet Property Line 20'± feet
 Drinking Water Well N/A 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)
0-38"	A	SANDY LOAM	10YR 3/2	-	FRIABLE
38"-45"	B	SANDY LOAM	10YR 5/6	-	FRIABLE
45"-130"	C	LOAMY SAND	2.5Y 6/3	COMMON @ 47"	FRIABLE

MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) ICE CONTACT Depth to Bedrock: >130"
 Depth to Groundwater: Standing Water in the Hole: - Weeping from Pit Face: 30"
 Estimated Seasonal High Ground Water: 47"



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No. 326 WEST EUM ST.

On-site Review

Deep Hole Number #2 Date: 7.2.15 Time: 10:00 Weather 70°

Location (identify on site plan)

Land Use RES

Slope (%) 1%

Surface Stones FEW

Vegetation GRASS

Landform

Position on landscape (sketch on the back)

Distances from:

Open Water Body N/A feet

Drainage way N/A feet

Possible Wet Area 50± feet

Property Line 50± feet

Drinking Water Well N/A 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)
0-16"	A	SANDY LOAM	10YR 3/2	—	FRIABLE
16"-32"	B	SANDY LOAM	10YR 5/6	—	FRIABLE
32"-120"	C	HEAVY SAND	2.5Y 6/3	common @ 36"	FRIABLE

MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) ICE CONTACT

Depth to Bedrock: 2/20"

Depth to Groundwater: Standing Water in the Hole: —

Weeping from Pit Face: 80"

Estimated Seasonal High Ground Water: 36"



Location Address or Lot No. 326 WEST KUM ST.

Determination for Seasonal High Water Table

Method Used:

- Depth observed standing in observation hole inches
- Depth weeping from side of observation hole inches
- Depth to soil mottles 36 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? _____

Certification

I certify that on 9/4/96 (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 [Signature] Date 7.2.15



Location Address or Lot No. 326 WEST EUM ST.

COMMONWEALTH OF MASSACHUSETTS

PEMBROKE, Massachusetts

Percolation Test*		
Date:	<u>7.2.15</u>	Time: <u>10:00</u>
Observation Hole #	<u>#1</u>	
Depth of Perc	<u>46" - 64"</u>	
Start Pre-soak	<u>10:13</u>	
End Pre-soak	<u>10:28</u>	
Time at 12"	<u>10:28</u>	
Time at 9"	<u>10:35</u>	
Time at 6"	<u>10:52</u>	
Time (9"-6")	<u>17 MINS</u>	
Rate Min./Inch	<u>1" = 6 MINS</u>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed Site Failed

Performed By: SHAYNE P. MCGLONE R.S.

Witnessed By: LISA CULLITY

Comments: _____

