



Commonwealth of Massachusetts
City/Town of

Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

MassDEP has provided this form for use by on-site professionals and local Boards of Health. Other forms may be used, but the information must be substantially the same as provided here. Before using this form, check with your local Board of Health to determine the form they use.

A. Facility Information

Owner Name JOSEPH LAMPOS

Street Address

74 Moore Rd

City

Weyland

State MA

Map/Lot #

Zip Code

B. Site Information

1. (Check one) ☒ New Construction ☐ Upgrade ☐ Repair
2. Published Soil Survey Available? ☒ Yes ☐ No
Windsor
Soil Name
3. Surficial Geological Report Available? ☐ Yes ☐ No
Sand
Geologic Material
4. Flood Rate Insurance Map
Above the 500-year flood boundary? ☒ Yes ☐ No
Within the 500-year flood boundary? ☐ Yes ☒ No
5. Wetland Area: National Wetland Inventory Map
Wetlands Conservancy Program Map
Within the 100-year flood boundary? ☒ Yes ☐ No
Within a velocity zone? ☐ Yes ☒ No
Map Unit Name
Map Unit Name

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B. Site Information (Continued)

6. Current Water Resource Conditions (USGS):

12/16 + 3/17
Month/Year

Range: ☐ Above Normal ☒ Normal ☐ Below Normal

7. Other references reviewed:

C. On-Site Review (minimum of two holes required at every proposed primary and reserved disposal area)

Deep Observation Hole Number: _____

Date

Time

Weather

1. Location

Ground Elevation at Surface of Hole: _____

Location (identify on plan): _____

2. Land Use

Reserved
(e.g., woodland, agricultural field, vacant lot, etc.)

NA
Surface Stones

< 5
Slope (%)

3. Distances from:

Open Water Body

> 100
feet

Drainage Way

> 100
feet

Property Line

30
feet

Drinking Water Well

NA
feet

Position on Landscape (attach sheet)

Possible Wet Area

2100
feet

Other

feet

4. Parent Material:

Sand

Unsuitable Materials Present: ☐ Yes ☐ No

If Yes:

☐ Disturbed Soil

☐ Fill Material

☐ Impervious Layer(s)

☐ Weathered/Fractured Rock

☐ Bedrock

5. Groundwater Observed: ☒ Yes

☐ No

If yes:

68"
Depth Weeping from Pit

Depth Standing Water in Hole

Estimated Depth to High Groundwater:

54
inches

elevation



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WZ

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C. On-Site Review (Continued)

Deep Observation Hole Number:

DH1

Depth (in.)	Soil Horizon/ Layer	Soil Matrix: Color- Moist (Munsell)	Redoximorphic Features (mottles)			Soil Texture (USDA)	Coarse Fragments % by Volume		Soil Structure	Soil Consistence (Moist)	Other
			Depth	Color	Percent		Gravel	Cobbles & Stones			
0-23	Fill										
23-36	Bw	10YR 6/6				LS					
36-101	C ₁	2.5Y 8/4				SL					
101-152	C ₂	10YR 5/4				C-sand	30	20	frable		

Additional Notes:

C₁ To be removed

LOT 2

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C. On-Site Review (Continued)

Deep Observation Hole Number:

D1114

Depth (in.)	Soil Horizon/Layer	Soil Matrix: Color-Moist (Munsell)	Redoximorphic Features (mottles)			Soil Texture (USDA)	Coarse Fragments % by Volume			Soil Structure	Soil Consistence (Moist)	Other
			Depth	Color	Percent		Gravel	Cobbles & Stones				
0-11	Ap	10YR 3/2				SL						
11-27	Bw	10YR 6/6				LS						
27-101	C ₁	10YR 4/4	72"	10YR 6/8	20	SL						
101-150	C ₂	2.5Y 6/4				C-sand	30	20	frable			

Additional Notes:

C₁ To be removed

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C. On-Site Review (Continued)

Deep Observation Hole Number: 511-10

Depth (In.)	Soil Horizon/ Layer	Soil Matrix: Color- Moist (Munsell)	Redoximorphic Features (mottles)			Soil Texture (USDA)	Coarse Fragments % by Volume		Soil Structure	Soil Consistence (Moist)	Other
			Depth	Color	Percent		Gravel	Cobbles & Stones			
0-42	A ₁										
42-71	C ₁	10YR ² /1				SL					
71-120	C ₂	2.5Y ⁵ /4				C-sad	30	20	frable		

Additional Notes:

C₁ To be removed

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C. On-Site Review (Continued)

Deep Observation Hole Number:

511-11

Depth (in.)	Soil Horizon/ Layer	Soil Matrix: Color- Moist (Munsell)	Redoximorphic Features (mottles)			Soil Texture (USDA)	Coarse Fragments % by Volume		Soil Structure	Soil Consistence (Moist)	Other
			Depth	Color	Percent		Gravel	Cobbles & Stones			
0-11	Ap	10YR ^{3/2}				SL					
11-32	Bw	10YR ^{4/6}				LS					
32-56	C ₁	10YR ^{2/1}				SL					
56-128	C ₂	2.5Y ^{5/4}				C-Sand	30	20	frable		

Additional Notes:

C₁ To be removed

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C. On-Site Review (Continued)

Deep Observation Hole Number:

SH-5

Depth (in.)	Soil Horizon/Layer	Soil Matrix: Color-Moist (Munsell)	Redoximorphic Features (mottles)			Soil Texture (USDA)	Coarse Fragments % by Volume		Soil Structure	Soil Consistency (field)	Other
			Depth	Color	Percent		Gravel	Cobbles & Stones			
0-14	Ap	10YR ^{3/2}				SL					
14-39	Bw	10YR ^{6/3}				LS					
39-50	C1	2.5Y ^{5/4}				C-sand					
50-109	C2	10YR ^{5/4}	54	10YR ^{6/3}	20	SL					

Additional Notes:

#3 @ 68"

The hole will not be in the area of the leaching system

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C. On-Site Review (Continued)

Deep Observation Hole Number:

3/11-6

Depth (in.)	Soil Horizon/ Layer	Soil Matrix: Color- Moist (Munsell)	Radomorphic Features (mottles)			Soil Texture (USDA)	Coarse Fragments % by Volume		Soil Structure	Soil Consistence (Moist)	Other
			Depth	Color	Percent		Gravel	Cobbles & Stones			
0-14	Ap	10YR ³ /2				SL					
14-32	Bw	10YR ⁶ /6				LS					
32-115	C	2.5Y ⁸ /4	75	10YR ³ /8	20	C-Sand		20	Frable		

Additional Notes:

40 @ 98"

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C. On-Site Review (Continued)

Deep Observation Hole Number:

5/11-7

Depth (in.)	Soil Horizon/ Layer	Soil Matrix: Color- Moist (Munsell)	Radioimorphic Features (mottles)			Soil Texture (USDA)	Coarse Fragments % by Volume		Soil Structure	Soil Consistence (Moist)	Other
			Depth	Color	Percent		Gravel	Cobbles & Stones			
0-9	A _p	10YR 3/1				SL					
9-23	B _{wo}	10YR 4/2				LS					
23-37	C ₁	2.5Y 5/4				C-sand					
37-54	C ₂	10YR 7/4				SL					
54-121	C ₃	10YR 7/3	121	10YR 6/6	20	f-m sand					

Additional Notes:

No H₂O

C₂ To be removed

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C. On-Site Review (Continued)

Deep Observation Hole Number:

511-8

Depth (in.)	Soil Horizon/ Layer	Soil Matrix: Color- Moist (Munsell)	Redoximorphic Features (Mottles)			Soil Texture (USDA)	Coarse Fragments % by Volume		Soil Structure	Soil Consistence (Moist)	Other
			Depth	Color	Percent		Gravel	Cobbles & Stones			
0-14	F ₁₁										
14-45	C ₁	2.5Y 5/4				C-Sand	20	30	frable		
45-82	C ₂	10YR 7/3				F-Sand			"		
82-131	C ₃	10YR 4/4				M-Sand	10		"		

Additional Notes:

No H₂O

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C. On-Site Review (Continued)

Deep Observation Hole Number:

5/11-9

Depth (in.)	Soil Horizon/ Layer	Soil Matrix: Color- Moist (Munsell)	Redoximorphic Features (mottles)			Soil Texture (USDA)	Coarse Fragments % by Volume		Soil Structure	Soil Consistence (Moist)	Other
			Depth	Color	Percent		Gravel	Cobbles & Stones			
0-15	Ap	10YR 3/2				SL					
15-39	Bw	10YR 4/8				LS					
39-114	C	2.5Y 5/4	74	10YR 6/8	20	C-sand	20	30	frable		

Additional Notes:

140 @ 93"



Percolation test results must be submitted with the Soil Suitability Assessment for On-site Sewage Disposal. DEP has provided this form for use by local Boards of Health. Other forms may be used, but the information must be substantially the same as that provided here. Before using this form, check with the local Board of Health to determine the form they use.

A. Site Information

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Owner Name Lampson
Street Address or Lot # 24 Moore Rd
City/Town Weymouth
State MA
Zip Code _____

Contact Person (if different from Owner) _____
Telephone Number _____

B. Test Results

Observation Hole #	Depth of Perc	Start Pre-Soak	End Pre-Soak	Time at 12"	Time at 9"	Time at 6"	Time (9"-6")	Rate (Min./Inch)
<u>5/11/17</u> <u>54"</u> <u>Per 5/11-17</u> <u>CNS</u>	<u>54"</u> <u>CNS</u>						<u>< 2mp</u>	<u>< 2mp</u>
<u>5/11/17</u> <u>26"</u> <u>Per 5/11-17</u> <u>CNS</u>	<u>26"</u> <u>CNS</u>						<u>< 2mp</u>	<u>< 2mp</u>

Test Passed: ☒ Test Failed: ☐

Test Performed By: M. Sullivan
Witnessed By: D. MacCaughy

Comments:



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D. Determination of High Groundwater Elevation

1. Method Used:

- ☐ Depth observed standing water in observation hole
- ☐ Depth weeping from side of observation hole
- ☒ Depth to soil redoximorphic features (mottles)
- ☐ Groundwater adjustment (USGS methodology)

LO 2 LO 3

A. _____ inches
B. _____ inches

A. _____ inches
B. _____ inches

A. 72 _____ inches
B. 54" _____ inches

A. _____ inches
B. _____ inches

2.

Index Well Number

Reading Date

Index Well Level

Adjustment Factor

Adjusted Groundwater Level

E. Depth of Pervious Material

1. Depth of Naturally Occurring Pervious Material

- a. 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 ☐ No

- b. If yes, at what depth was it observed?

Upper boundary: LO 2 71" _____ inches
Lower boundary: LO 3 14" _____ inches

LO 2 71" _____ inches
LO 3 14" _____ inches

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F. Certification

I certify that I am currently approved by the Department of Environmental Protection pursuant to 310 CMR 15.017 to conduct soil evaluations and that the above analysis has been performed by me consistent with the required training, expertise and experience described in 310 CMR 15.017. I further certify that the results of my soil evaluation, as indicated in the attached Soil Evaluation Form, are accurate and in accordance with 310 CMR 15.100 through 15.107.

Signature of Soil Evaluator

Michael Sullivan 2374

Typed or Printed Name of Soil Evaluator / License #

Dawn McConoughy
Name of Board of Health Witness

Date

9/11

Date of Soil Evaluator Exam

Michael Sullivan

Board of Health

Note: In accordance with 310 CMR 15.018(2) this form must be submitted to the approving authority within 60 days of the date of field testing, and to the designer and the property owner with Percolation Test Form 12.