



Commonwealth of Massachusetts
City/Town of Sherborn

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

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

Deep Observation Hole Number:		TP-4	Hole #	10-4-2019	Date	11:30 AM	Time	Sunny, 60	Weather	Latitude	Longitude:
1.	Land Use	Forest (e.g., woodland, agricultural field, vacant lot, etc.)		Trees/Brush Vegetation		Boulders Surface Stones (e.g., cobbles, stones, boulders, etc.)					0-3% Slope (%)
Description of Location: _____											
2.	Soil Parent Material:		Till	Landform			Position on Landscape (SU, SH, BS, FS, TS)				
3.	Distances from:		Open Water Body	> 100	feet	Drainage Way	> 25	feet	Wetlands	> 100	feet
			Property Line	> 10	feet	Drinking Water Well	> 100	feet	Other		feet
4.	Unsuitable Materials Present:		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If Yes:		<input type="checkbox"/> Disturbed Soil	<input type="checkbox"/> Fill Material	<input type="checkbox"/> Weathered/Fractured Rock	<input type="checkbox"/> Bedrock		
5.	Groundwater Observed:		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes:		Depth Weeping from Pit		Depth Standing Water in Hole			

Soil Log

Depth (in)	Soil Horizon /Layer	Soil Texture (USDA)	Soil Matrix: Color-Moist (Munsell)	Redoximorphic Features			Coarse Fragments % by Volume		Soil Structure	Soil Consistence (Moist)	Other
				Depth	Color	Percent	Gravel	Cobbles & Stones			
0-5	O/A	Loam	10 YR 3/2								Roots
5-30	B	Sandy Loam	10 YR 5/6								Some stones and Roots
30-91	C-1	Sandy Loam	2.5 Y 7/2	43"					firm		
91-108	C-2	Sandy Loam	2.5 Y 5/2						friable		firm in place

Additional Notes:

No Water or Bedrock Encountered



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

Deep Observation Hole Number:	TP-7 Hole #	10-4- 2019	12:45 PM Time	Sunny, 60s Weather	Latitude	Longitude:		
1. Land Use:	Forest (e.g., woodland, agricultural field, vacant lot, etc.)	Trees/Brush Vegetation	Boulders Surface Stones (e.g., cobbles, stones, boulders, etc.)	0-3% Slope (%)				
Description of Location:								
2. Soil Parent Material:	Till	Landform	Position on Landscape (SU, SH, BS, FS, TS)					
3. Distances from:	Open Water Body > 100 feet	Drainage Way > 25 feet	Wetlands > 100 feet					
	Property Line > 10 feet	Drinking Water Well > 100 feet	Other _____ feet					
4. Unsuitable Materials Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If Yes: <input type="checkbox"/> Disturbed Soil <input type="checkbox"/> Fill Material <input type="checkbox"/> Weathered/Fractured Rock <input type="checkbox"/> Bedrock						
5. Groundwater Observed:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: _____ Depth Weeping from Pit	Depth Standing Water in Hole					

Soil Log

Depth (in)	Soil Horizon /Layer	Soil Texture (USDA)	Soil Matrix: Color-Moist (Munsell)	Redoximorphic Features			Coarse Fragments % by Volume		Soil Structure	Soil Consistence (Moist)	Other
				Depth	Color	Percent	Gravel	Cobbles & Stones			
0-6	O/A	Loam	10 YR 3/2								Roots
6-24	Bw	Sandy Loam	10 YR 5/6								Some Stones & Roots
24-84	C-1	Sandy Loam	2.5 Y 7/1	24"							Friable
84-132	C-2	Sandy Loam	2.5 Y 5/3						Firm		Friable

Additional Notes:

No water or bedrock encountered



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D. Determination of High Groundwater Elevation

1. Method Used:

<input checked="" type="checkbox"/> Depth observed standing water in observation hole	Obs. Hole # <u>TP-4</u>	Obs. Hole # <u>TP-7</u>
<input checked="" type="checkbox"/> Depth weeping from side of observation hole	<u>None</u> inches	<u>None</u> inches
<input checked="" type="checkbox"/> Depth to soil redoximorphic features (mottles)	<u>None</u> inches	<u>None</u> inches
<input type="checkbox"/> Depth to adjusted seasonal high groundwater (S_h) (USGS methodology)	<u>43</u> inches	<u>24</u> inches
	<u> </u> inches	<u> </u> inches

Index Well Number

Reading Date

$$S_h = S_c - [S_r \times (OW_c - OW_{max})/OW_r]$$

Obs. Hole/Well# S_c S_r OW_c OW_{max} OW_r S_h

2. Estimated Depth to High Groundwater: 24 inches

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?

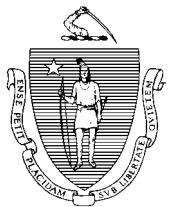
Yes No

b. If yes, at what depth was it observed (exclude A and O Horizons)?

Upper boundary: 24 inches Lower boundary: 132 inches

c. If no, at what depth was impervious material observed?

Upper boundary: inches Lower boundary: inches



Commonwealth of Massachusetts
City/Town of Sherborn
Percolation Test
Form 12

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.

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



A. Site Information

Town of Sherborn

Owner Name

31 Hunting Lane

Street Address or Lot #

Sherborn

City/Town

MA

State

01770

Zip Code

Contact Person (if different from Owner)

Telephone Number

B. Test Results

Observation Hole #

10-4-2019
Date
TP-4

12:00 PM
Time

10-4-2019
Date
TP-7

1:15 PM
Time

Depth of Perc

42"-60"

30"-48"

Start Pre-Soak

12:04

1:16

End Pre-Soak

12:19

1:31

Time at 12"

12:19

1:31

Time at 9"

12:25

1:34

Time at 6"

12:31

1:38

Time (9"-6")

6 minutes

4 minutes

Rate (Min./Inch)

< 2 mpi

< 2 mpi

Test Passed:



Test Passed:



Test Failed:



Test Failed:

Ray Willis, PE

Test Performed By:

None

Board of Health Witness

Comments: