



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 10-4-2019 11:30 AM Sunny, 60
Hole # Date Time Weather Latitude Longitude:
1. Land Use Forest Trees/Brush Boulders
(e.g., woodland, agricultural field, vacant lot, etc.) Vegetation Surface Stones (e.g., cobbles, stones, boulders, etc.) Slope (%)
0-3%

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: ☐ Yes ☒ No If Yes: ☐ Disturbed Soil ☐ Fill Material ☐ Weathered/Fractured Rock ☐ Bedrock

5. Groundwater Observed: ☐ Yes ☒ 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 10-4- 12:45 PM Sunny, 60s
Hole # 2019 Time Weather Latitude Longitude:
1. Land Use: Forest Trees/Brush Boulders 0-3%
(e.g., woodland, agricultural field, vacant lot, etc.) Vegetation Surface Stones (e.g., cobbles, stones, boulders, etc.) 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: ☐ Yes ☒ No If Yes: ☐ Disturbed Soil ☐ Fill Material ☐ Weathered/Fractured Rock ☐ Bedrock
5. Groundwater Observed: ☐ Yes ☒ 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:

☒ Depth observed standing water in observation hole

Obs. Hole # TP-4

None inches

Obs. Hole # TP-7

None inches

☒ Depth weeping from side of observation hole

None inches

None inches

☒ Depth to soil redoximorphic features (mottles)

43 inches

24 inches

☐ Depth to adjusted seasonal high groundwater (S_h)
(USGS methodology)

_____ inches

_____ 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)?

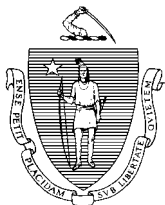
Upper boundary: 24
inches

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

	10-4-2019 Date	12:00 PM Time	10-4-2019 Date	1:15 PM Time
Observation Hole #	TP-4		TP-7	
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: <input checked="" type="checkbox"/>		Test Passed: <input checked="" type="checkbox"/>	
	Test Failed: <input type="checkbox"/>		Test Failed: <input type="checkbox"/>	

Ray Willis, PE

Test Performed By:

None

Board of Health Witness

Comments: