

May 19, 2025

Job: 25902

Bob Murchison
177 Lake Street
Sherborn, MA 01770

RE: #0 Washington Street – Soil Testing

Dear Bob:

This report contains the results of the on-site soil testing conducted by DGT Associates on May 16, 2025, at the subject property in Sherborn, Massachusetts. The testing consisted of two (2) deep hole test pits.

The purpose of the testing was to provide additional testing to assess the suitability of the soils for the design of a new soil absorption system (SAS). Testing was performed by Massachusetts Licensed Soil Evaluator (Frederick J. Schobel, E.I.T.) of DGT and was witnessed by David Glenn for the Town of Sherborn Board of Health. The testing was also observed by the property owner/applicant, Bob Murchison. Backhoe excavation services were provided by C. Mayo Excavating.

According to the Natural Resources Conservation Service (NRCS) Soils Mapping, the soil in the area of testing is Charlton-Hollis-Rock outcrop. The testing generally confirmed the NRCS data. The NRCS soils map and soil information is contained in Attachment #3.

The Test Holes generally revealed a fine sandy loam topsoil over a firm sandy loam substratum. The soil test logs and Soil Test Hole Location Plan are contained in Attachment #1 and Attachment #2 respectively.

The Estimated Seasonal High Groundwater Table (ESHGWT) was determined by the observation of redoximorphic features at a depth of 61" below grade in test hole TH 25-02. Redoximorphic features were not observed in test hole TH 25-01. Weeping was observed in test hole TH 25-02 at a depth of 78" below grade and standing groundwater was observed in test hole TH 25-01 at a depth of 98" below grade.

Refusal was observed in test hole TH 25-02 at depths that varied between 82 – 100". However, at the time of testing it could not be determined if the observed refusal was ledge/bedrock or if it was due to the presence of large boulders that were present throughout the soil profile in all of the test holes on the site.

Please contact me if you have any questions regarding this report.

Sincerely,
DGT Associates



Frederick J Schobel, EIT (SE 14561)
Staff Engineer

Attachments:

1. Deep Test Hole and Percolation Test Logs
2. Soil Test Hole Location Plan



Commonwealth of Massachusetts
City/Town of Sherborn

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

A. Facility Information

Fenix Partners Greenwood Street, LLC

Owner Name

0 Washington Street

Street Address

Sherborn

City

MA

State

7/0

Map/Lot #

01770

Zip Code

B. Site Information

1. (Check one) ☒ New Construction ☐ Upgrade
2. Soil Survey NRCS 103C Charlton-Hollis-Rock outcrop complex
Source Soil Map Unit Soil Series
Ridges, Hills Shallow depth to bedrock
Landform Soil Limitations
Coarse-loamy melt-out till derived from gneiss, granite, and/or schist
Soil Parent material
3. Surficial Geological Report 2018 Stone et. al. Thin Till
Year Published/Source Map Unit
Nonsorted, nonstratified matrix of sand, some silt, and little clay containing scattered gravel clasts and few large boulders
Description of Geologic Map Unit:
4. Flood Rate Insurance Map Within a regulatory floodway? ☐ Yes ☒ No
5. Within a velocity zone? ☐ Yes ☒ No
6. Within a Mapped Wetland Area? ☐ Yes ☒ No If yes, MassGIS Wetland Data Layer: Wetland Type
7. Current Water Resource Conditions (USGS): 5/13/2025 MA-DVW 10R Range: ☐ Above Normal ☒ Normal ☐ Below Normal
Month/Day/ Year
8. Other references reviewed: N/A
(Zone II, IWPA, Zone A, EEA Data Portal, etc.)



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: 25-01 5/16/2025 A.M. 70 Sunny 42.2285 -71.3874
Hole # Date Time Weather Latitude Longitude

1. Land Use: Vacant Lot Wooded Some 8-15
(e.g., woodland, agricultural field, vacant lot, etc.) Vegetation Surface Stones (e.g., cobbles, stones, boulders, etc.) Slope (%)

Description of Location: See Test Hole Location Plan

2. Soil Parent Material: Coarse-loamy melt-out till derived from gneiss, granite, and/or schist Ridges, Hills BS
Landform Position on Landscape (SU, SH, BS, FS, TS, Plain)

3. Distances from: Open Water Body >50 feet Drainage Way >100 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: None Depth to Weeping in Hole 98" 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 - 4"	A/O	FSL	10 YR 2/2		Cnc : Dpl:			15-35%	Massive	Friable	
4 - 15"	B _w	FSL	10 YR 5/8		Cnc : Dpl:			15-35%	Massive	Friable	
15 - 30"	BC	FSL	10 YR 5/4		Cnc : Dpl:			15-35%	Massive	Friable	
30 - 108"	C	SL	2.5 Y 5/2		Cnc : Dpl:		15-35%	15-35%	Massive	Friable	Firm in place
					Cnc : Dpl:						
					Cnc : Dpl:						

Additional Notes: Boulders present throughout soil profile, No Redoximorphic Features observed



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: 25-02 Hole # 5/16/2025 Date A.M. Time 70 Sunny Weather 42.2285 Latitude -71.3874 Longitude

1. Land Use: Vacant Lot (e.g., woodland, agricultural field, vacant lot, etc.) Wooded Vegetation Some Surface Stones (e.g., cobbles, stones, boulders, etc.) 8-15 Slope (%)

Description of Location: See Test Hole Location Plan

2. Soil Parent Material: Coarse-loamy melt-out till derived from gneiss, granite, and/or schist Ridges, Hills Landform BS Position on Landscape (SU, SH, BS, FS, TS, Plain)

3. Distances from: Open Water Body >50 feet Drainage Way >100 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: 78" Depth to Weeping in Hole None 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 - 4"	A/O	FSL	10 YR 2/2		Cnc : Dpl:			15-35%	Massive	Friable	
4 - 10"	B _w	FSL	10 YR 5/8		Cnc : Dpl:			15-35%	Massive	Friable	
10 - 24"	BC	FSL	10 YR 5/4		Cnc : Dpl:			15-35%	Massive	Friable	
24 - 82/100"	C	SL	2.5 Y 5/2	61"	Cnc : 7.5 YR 5/8 Dpl: 5 Y 6/1	>5	15-35%	15-35%	Massive	Friable	Firm in place, Refusal or
82" / 100"	R				Cnc : Dpl:						Boulders observed at bottom of test pit
					Cnc : Dpl:						West side: Refusal @ 82" East side: Refusal @ 100"

Additional Notes:

Boulders present throughout soil profile



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

D. Determination of High Groundwater Elevation

1. Method Used (Choose one):

☒ Depth to soil redoximorphic features

Obs. Hole # 25-01

N/A inches

Obs. Hole # 25-02

61 inches

☐ Depth to observed standing water in observation hole

_____ inches

_____ 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 _____

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 O, A, and E Horizons)?

Upper boundary:

4 (25-01)

4 (25-02)

inches

Lower boundary:

108 (25-01)

82 (25-02)

inches

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

Upper boundary:

inches

Lower boundary:

inches



Commonwealth of Massachusetts
City/Town of Sherborn

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

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.

Fred Schobel

Signature of Soil Evaluator

Frederick Schobel, EIT, SE 14561

Typed or Printed Name of Soil Evaluator / License #

David Glenn

Name of Approving Authority Witness

5/19/2025

Date

6/30/2027

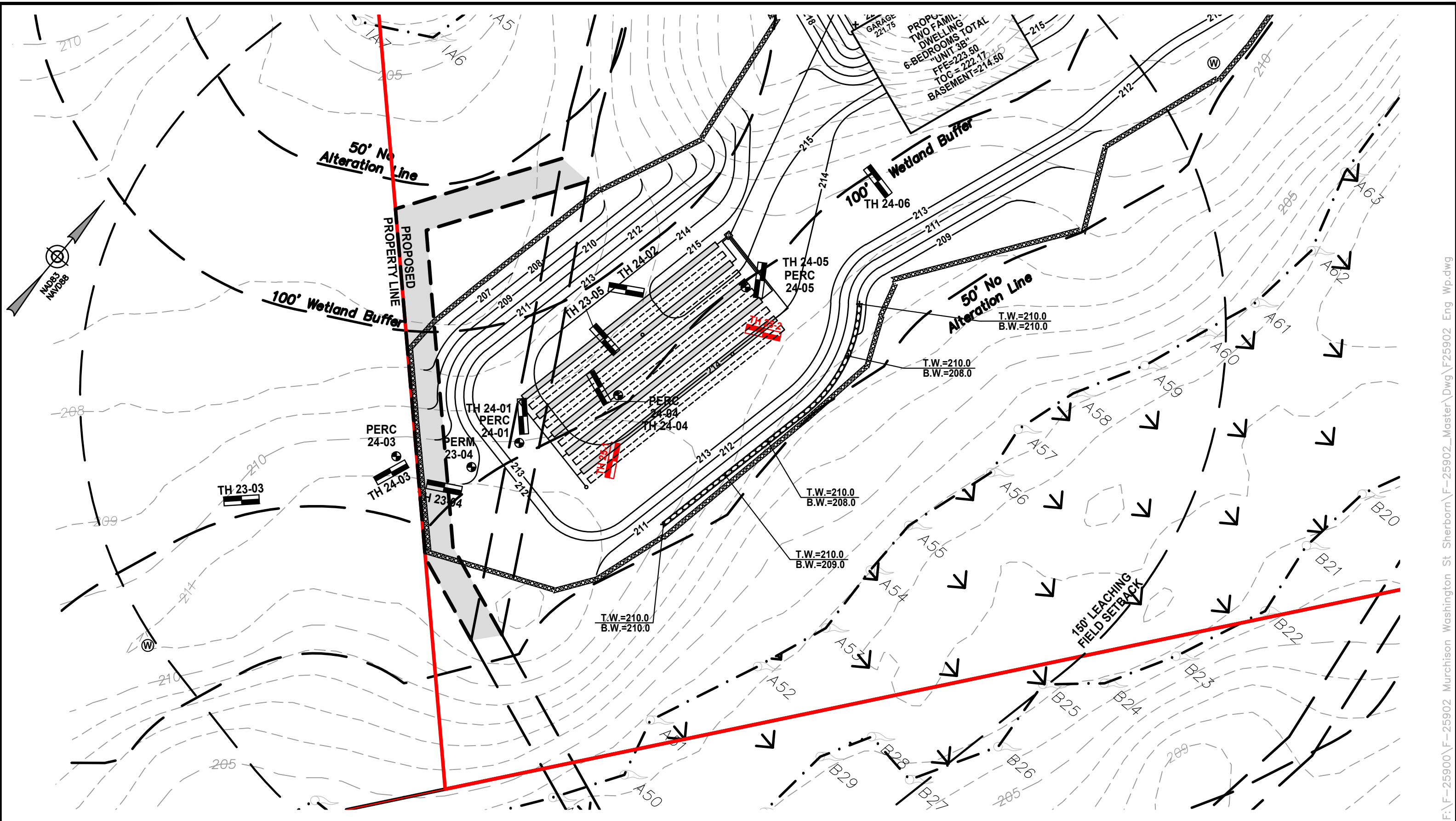
Expiration Date of License

Sherborn

Approving Authority

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](#).

Field Diagrams: Use this area for field diagrams:



SCALE: 1" = 30'



DGT Associates
1071 Worcester Road
Framingham, MA 01701
508-879-0030
www.DGTassociates.com

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LOT 3 SOIL TEST LOCATION PLAN
AT
LOT 3 - WASHINGTON STREET
IN
SHERBORN, MA

DATE:	2025-05-19
DRAFTED BY:	KMR
SCALE:	1" = 30'

ST-1

F-25902



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: 24-01 11/6/2024 A.M. 70 Sunny 42.2285 -71.3874
Hole # Date Time Weather Latitude Longitude

1. Land Use: Vacant Lot Wooded Some 8-15
(e.g., woodland, agricultural field, vacant lot, etc.) Vegetation Surface Stones (e.g., cobbles, stones, boulders, etc.) Slope (%)

Description of Location: See Test Hole Location Plan

2. Soil Parent Material: Coarse-loamy melt-out till derived from gneiss, granite, and/or schist Ridges, Hills BS
Landform Position on Landscape (SU, SH, BS, FS, TS, Plain)

3. Distances from: Open Water Body >50 feet Drainage Way >100 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: N/A Depth to Weeping in Hole N/A 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 - 3"	A/O	FSL	10 YR 2/2		Cnc : Dpl:			15-35%	Massive	Friable	
3 - 15"	B _w	FSL	10 YR 5/8		Cnc : Dpl:			15-35%	Massive	Friable	
15 - 28"	BC	FSL	10 YR 6/6		Cnc : Dpl:			15-35%	Massive	Friable	
28 - 66"	C	SL	2.5 Y 6/2	35"	Cnc : 10 YR 5/8 Dpl:	>5	15-35%	15-35%	Massive	Friable	Firm in place
					Cnc : Dpl:						
					Cnc : Dpl:						

Additional Notes:

Boulders present throughout soil profile



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

-71.3874

Longitude

- Description of Location: See Test Hole Location Plan

5. Groundwater Observed: ☐ Yes ☒ No If yes: N/A Depth to Weeping in Hole N/A Depth Standing Water in Hole

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 - 4"	A/O	FSL	10 YR 2/2		Cnc : Dpl:			15-35%	Massive	Friable	
4 - 12"	B _w	FSL	10 YR 5/8		Cnc : Dpl:			15-35%	Massive	Friable	
12 - 27"	BC	FSL	10 YR 6/6		Cnc : Dpl:			15-35%	Massive	Friable	
27 - 41/58"	C	SL	2.5 Y 6/2	35"	Cnc : 10 YR 5/8 Dpl:	>5	15-35%	15-35%	Massive	Friable	Firm in place, wavy bottom
41" / 51"	R				Cnc : Dpl:						Refusal or Boulders observed at depths
					Cnc : Dpl:						between 41-51"

t5form11.doc



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: 24-03 11/6/2024 A.M. 70 Sunny 42.2285 -71.3874
Hole # Date Time Weather Latitude Longitude

1. Land Use: Vacant Lot Wooded Some 8-15
(e.g., woodland, agricultural field, vacant lot, etc.) Vegetation Surface Stones (e.g., cobbles, stones, boulders, etc.) Slope (%)

Description of Location: See Test Hole Location Plan

2. Soil Parent Material: Coarse-loamy melt-out till derived from gneiss, granite, and/or schist Ridges, Hills BS
Landform Position on Landscape (SU, SH, BS, FS, TS, Plain)

3. Distances from: Open Water Body >50 feet Drainage Way >100 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: N/A Depth to Weeping in Hole N/A 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 - 4"	A/O	FSL	10 YR 2/2		Cnc : Dpl:			15-35%	Massive	Friable	
4 - 14"	B _w	FSL	10 YR 5/8		Cnc : Dpl:			15-35%	Massive	Friable	
14 - 30"	BC	FSL	10 YR 6/6		Cnc : Dpl:			15-35%	Massive	Friable	
30 - 78"	C	SL	2.5 Y 6/2		Cnc : Dpl:		15-35%	15-35%	Massive	Friable	Firm in place
					Cnc : Dpl:						
					Cnc : Dpl:						

Additional Notes:

Boulders present throughout soil profile, No Redoximorphic Features observed



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: 24-04 11/6/2024 A.M. 70 Sunny 42.2285 -71.3874
Hole # Date Time Weather Latitude Longitude

1. Land Use: Vacant Lot Wooded Some 8-15
(e.g., woodland, agricultural field, vacant lot, etc.) Vegetation Surface Stones (e.g., cobbles, stones, boulders, etc.) Slope (%)

Description of Location: See Test Hole Location Plan

2. Soil Parent Material: Coarse-loamy melt-out till derived from gneiss, granite, and/or schist Ridges, Hills BS
Landform Position on Landscape (SU, SH, BS, FS, TS, Plain)

3. Distances from: Open Water Body >50 feet Drainage Way >100 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: N/A Depth to Weeping in Hole N/A 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 - 4"	A/O	FSL	10 YR 2/2		Cnc : Dpl:			15-35%	Massive	Friable	
4 - 12"	B _w	FSL	10 YR 5/8		Cnc : Dpl:			15-35%	Massive	Friable	
12 - 33"	BC	FSL	10 YR 6/6		Cnc : Dpl:			15-35%	Massive	Friable	
33 - 84"	C	SL	2.5 Y 6/2	40"	Cnc : 10 YR 5/8 Dpl:	>5	15-35%	15-35%	Massive	Friable	Firm in place
					Cnc : Dpl:						
					Cnc : Dpl:						

Additional Notes:

Boulders present throughout soil profile



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: 24-05
Hole #

11/6/2024
Date

A.M.
Time

70 Sunny
Weather

42.2285
Latitude

-71.3874
Longitude

1. Land Use: Vacant Lot Wooded Some
(e.g., woodland, agricultural field, vacant lot, etc.) Vegetation Surface Stones (e.g., cobbles, stones, boulders, etc.)
8-15
Slope (%)

Description of Location: See Test Hole Location Plan

2. Soil Parent Material: Coarse-loamy melt-out till derived from gneiss, granite, and/or schist Ridges, Hills BS
Landform Position on Landscape (SU, SH, BS, FS, TS, Plain)

3. Distances from: Open Water Body >50 feet Drainage Way >100 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: N/A Depth to Weeping in Hole N/A 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 - 4"	A/O	FSL	10 YR 2/2		Cnc : Dpl:			15-35%	Massive	Friable	
4 - 15"	B _w	FSL	10 YR 5/8		Cnc : Dpl:			15-35%	Massive	Friable	
15 - 35"	BC	FSL	10 YR 6/6		Cnc : Dpl:			15-35%	Massive	Friable	
35 - 78"	C	SL	2.5 Y 6/2		Cnc : Dpl:		15-35%	15-35%	Massive	Friable	Firm in place
					Cnc : Dpl:						
					Cnc : Dpl:						

Additional Notes:

Boulders present throughout soil profile, Variegated Mottles observed @ 51" near roots



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: 24-06 11/6/2024 P.M. 70 Sunny 42.2285 -71.3874
Hole # Date Time Weather Latitude Longitude

1. Land Use: Vacant Lot Wooded Some 8-15
(e.g., woodland, agricultural field, vacant lot, etc.) Vegetation Surface Stones (e.g., cobbles, stones, boulders, etc.) Slope (%)

Description of Location: See Test Hole Location Plan

2. Soil Parent Material: Coarse-loamy melt-out till derived from gneiss, granite, and/or schist Ridges, Hills BS
Landform Position on Landscape (SU, SH, BS, FS, TS, Plain)

3. Distances from: Open Water Body >50 feet Drainage Way >100 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: N/A Depth to Weeping in Hole N/A 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 - 4"	A/O	FSL	10 YR 2/2		Cnc : Dpl:			15-35%	Massive	Friable	
4 - 15"	B _w	FSL	10 YR 5/8		Cnc : Dpl:			15-35%	Massive	Friable	
15 - 30"	BC	FSL	10 YR 6/6		Cnc : Dpl:			15-35%	Massive	Friable	
30 - 33/57"	C	SL	2.5 Y 6/2	35"	Cnc : 10 YR 5/8 Dpl:	>5	15-35%	15-35%	Massive	Friable	Firm in place
33" / 57"	R				Cnc : Dpl:						East side: Refusal @ 57" West Side: Refusal @ 33"
					Cnc : Dpl:						

Additional Notes:

Boulders present throughout soil profile



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: 24-07 11/6/2024 P.M. 70 Sunny 42.2285 -71.3874
Hole # Date Time Weather Latitude Longitude

1. Land Use: Vacant Lot Wooded Some 8-15
(e.g., woodland, agricultural field, vacant lot, etc.) Vegetation Surface Stones (e.g., cobbles, stones, boulders, etc.) Slope (%)

Description of Location: See Test Hole Location Plan

2. Soil Parent Material: Coarse-loamy melt-out till derived from gneiss, granite, and/or schist Ridges, Hills BS
Landform Position on Landscape (SU, SH, BS, FS, TS, Plain)

3. Distances from: Open Water Body >50 feet Drainage Way >100 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: N/A Depth to Weeping in Hole N/A 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 - 4"	A/O	FSL	10 YR 2/2		Cnc : Dpl:			15-35%	Massive	Friable	
4 - 8"	B _w	FSL	10 YR 5/8		Cnc : Dpl:			15-35%	Massive	Friable	
8 - 34"	BC	FSL	10 YR 6/6		Cnc : Dpl:			15-35%	Massive	Friable	
34 - 92"	C	SL	2.5 Y 6/2	42"	Cnc : 10 YR 5/8 Dpl:	>5	15-35%	15-35%	Massive	Friable	Firm in place
					Cnc : Dpl:						
					Cnc : Dpl:						

Additional Notes:

Boulders present throughout soil profile



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: 24-08 11/6/2024 P.M. 70 Sunny 42.2285 -71.3874
Hole # Date Time Weather Latitude Longitude

1. Land Use: Vacant Lot Wooded Some 8-15
(e.g., woodland, agricultural field, vacant lot, etc.) Vegetation Surface Stones (e.g., cobbles, stones, boulders, etc.) Slope (%)

Description of Location: See Test Hole Location Plan

2. Soil Parent Material: Coarse-loamy melt-out till derived from gneiss, granite, and/or schist Ridges, Hills BS
Landform Position on Landscape (SU, SH, BS, FS, TS, Plain)

3. Distances from: Open Water Body >50 feet Drainage Way >100 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: N/A Depth to Weeping in Hole N/A 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 - 4"	A/O	FSL	10 YR 2/2		Cnc : Dpl:			15-35%	Massive	Friable	
4 - 16"	B _w	FSL	10 YR 5/8		Cnc : Dpl:			15-35%	Massive	Friable	
16 - 26"	BC	FSL	10 YR 6/6		Cnc : Dpl:			15-35%	Massive	Friable	
26 - 75"	C	SL	2.5 Y 6/2	40"	Cnc : 10 YR 5/8 Dpl:	>5	15-35%	15-35%	Massive	Friable	Firm in place Excavated to 75" at center of TP
36" / 42"	R				Cnc : Dpl:						North side: Refusal @ 36" South side: Refusal @ 42"
					Cnc : Dpl:						

Additional Notes:

Boulders present throughout soil profile