



Commonwealth of Massachusetts

City/Town of Stow

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

A. Facility Information

Stow Holdings LLC

Owner Name

Stow Country Club Driving Range, Randall Road

Street Address

Stow

City

MA

State

Map R-11 Parcel 25B-3

Map/Lot #

01775

Zip Code

B. Site Information

1. (Check one) ☒ New Construction ☐ Upgrade ☐ Repair
2. Soil Survey Available? ☒ Yes ☐ No If yes: NRCS 32B
Source Soil Map Unit
- Wareham Loamy Fine Sand, 0-5% slopes
Soil Name
3. Surficial Geological Report Available? ☐ Yes ☒ No If yes: Year Published/Source Publication Scale Map Unit
- Glacial Outwash
Geologic/Parent Material
- Outwash Plain
Landform
4. Flood Rate Insurance Map
- Above the 500-year flood boundary? ☐ Yes ☒ No Within the 100-year flood boundary? ☐ Yes ☒ No
- Within the 500-year flood boundary? ☒ Yes ☐ No Within a velocity zone? ☐ Yes ☒ No
5. Wetland Area: Wetlands Conservancy Program Map U Upland
Map Unit Name
6. Current Water Resource Conditions (USGS): 07/17 Range: ☐ Above Normal ☒ Normal ☐ Below Normal
Month/Year
7. Other references reviewed: _____



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

Deep Observation Hole Number: 518-1 Date 5/16/18 Time 8:00AM Weather Cloudy, 60's

1. Location

Ground Elevation at Surface of Hole: _____ Location (identify on plan): Lot 5

2. Land Use Golf driving range None 0-3%
(e.g., woodland, agricultural field, vacant lot, etc.) Surface Stones Slope (%)
Lawn Outwash Plain (see plan)
Vegetation Landform Position on Landscape (attach sheet)

3. Distances from: Open Water Body >100' Drainage Way >100' Possible Wet Area >100'
feet feet feet
Property Line >50' Drinking Water Well >100' Other _____
feet feet feet

4. Parent Material: Glacial Outwash 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: _____ 28"
Depth Weeping from Pit Depth Standing Water in Hole
Estimated Depth to High Groundwater: 28" _____
inches elevation



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

C. On-Site Review (continued)

Deep Observation Hole Number: 518-1

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			
0-24"	FILL										
24-86"	C	2.5Y5/4				MS	90%	10%	WEAK		

Additional Notes:



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

C. On-Site Review (continued)

Deep Observation Hole Number: 518-2 Date 5/16/18 Time 8:15AM Weather Cloudy, 60's

1. Location

Ground Elevation at Surface of Hole: _____ Location (identify on plan): Lot 5

2. Land Use Golf driving range None 0-3%
(e.g., woodland, agricultural field, vacant lot, etc.) Surface Stones Slope (%)
Lawn Outwash Plain (see sketch)
Vegetation Landform Position on Landscape (attach sheet)

3. Distances from: Open Water Body >100' Drainage Way >100' Possible Wet Area >100'
feet feet feet
Property Line >50' Drinking Water Well >100' Other _____
feet feet feet

4. Parent Material: Glacial Outwash 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: _____ 36"
Depth Weeping from Pit Depth Standing Water in Hole
Estimated Depth to High Groundwater: 36" _____
inches elevation



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

C. On-Site Review (continued)

Deep Observation Hole Number: 518-2

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			
0-24"	FILL										
24-48"	C1	2.5Y5/4				MS	90%	10%	WEAK		
48-84"	C2	10YR5/4				CS	90%	10%	WEAK		

Additional Notes:



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D. Determination of High Groundwater Elevation

1. Method Used:

☒ Depth observed standing water in observation hole

A. 28"
inches

B. 36"
inches

☐ Depth weeping from side of observation hole

A.
inches

B.
inches

☐ Depth to soil redoximorphic features (mottles)

A.
inches

B.
inches

☐ Groundwater adjustment (USGS methodology)

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:

24"
inches

Lower boundary:

84"
inches



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

Deep Observation Hole Number: 518-3 Date 5/16/18 Time 8:30AM Weather Cloudy, 60's

1. Location

Ground Elevation at Surface of Hole: _____ Location (identify on plan): Lot 4

2. Land Use Golf driving range None 0-3%
(e.g., woodland, agricultural field, vacant lot, etc.) Surface Stones Slope (%)
Lawn Outwash Plain (see plan)
Vegetation Landform Position on Landscape (attach sheet)

3. Distances from: Open Water Body >100' Drainage Way >100' Possible Wet Area >100'
feet feet feet
Property Line >50' Drinking Water Well >100' Other _____
feet feet feet

4. Parent Material: Glacial Outwash 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: 56"
Depth Weeping from Pit Depth Standing Water in Hole

Estimated Depth to High Groundwater: 52"
inches elevation



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C. On-Site Review (continued)

Deep Observation Hole Number: 518-3

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			
0-32"	FILL										
32-56"	C1	2.5Y5/4	52"	10YR5/8	>5%	MS	90%	10%	WEAK		
56-84"	C2	10YR5/4				CS	90%	10%	WEAK		

Additional Notes:



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C. On-Site Review (continued)

Deep Observation Hole Number: 518-4 Date 5/16/18 Time 8:45AM Weather Cloudy, 60's

1. Location

Ground Elevation at Surface of Hole: _____ Location (identify on plan): Lot 4

2. Land Use Golf driving range None 0-3%
(e.g., woodland, agricultural field, vacant lot, etc.) Surface Stones Slope (%)
Lawn Outwash Plain (see sketch)
Vegetation Landform Position on Landscape (attach sheet)

3. Distances from: Open Water Body >100' Drainage Way >100' Possible Wet Area >100'
feet feet feet
Property Line >50' Drinking Water Well >100' Other _____
feet feet feet

4. Parent Material: Glacial Outwash 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: 36"
Depth Weeping from Pit Depth Standing Water in Hole

Estimated Depth to High Groundwater: 32"
inches elevation



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C. On-Site Review (continued)

Deep Observation Hole Number: 518-4

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			
0-24"	FILL										
24-84"	C	2.5Y5/4	52"	10YR5/8	>5%	MS	90%	10%	WEAK		

Additional Notes:



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D. Determination of High Groundwater Elevation

1. Method Used:

☒ Depth observed standing water in observation hole

A. 52"
inches

B. 32"
inches

☐ Depth weeping from side of observation hole

A.
inches

B.
inches

☐ Depth to soil redoximorphic features (mottles)

A.
inches

B.
inches

☐ Groundwater adjustment (USGS methodology)

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:

32"
inches

Lower boundary:

84"
inches



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

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

Deep Observation Hole Number: 518- 7 Date 5/16/18 Time 9:00AM Weather Cloudy, 70's

1. Location

Ground Elevation at Surface of Hole: _____ Location (identify on plan): Lot 4

2. Land Use Golf driving range None 0-3%
(e.g., woodland, agricultural field, vacant lot, etc.) Surface Stones Slope (%)
Lawn Outwash Plain (see plan)
Vegetation Landform Position on Landscape (attach sheet)

3. Distances from: Open Water Body >100' Drainage Way >100' Possible Wet Area >100'
feet feet feet
Property Line >50' Drinking Water Well >100' Other _____
feet feet feet

4. Parent Material: Glacial Outwash 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: _____ 16"
Depth Weeping from Pit Depth Standing Water in Hole
Estimated Depth to High Groundwater: 16" _____
inches elevation



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C. On-Site Review (continued)

Deep Observation Hole Number: 518-7

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			
0-24"	FILL										
24-84"	C	2.5Y5/4				MS	90%	10%	WEAK		

Additional Notes:



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

C. On-Site Review (continued)

Deep Observation Hole Number: 518-8 Date 5/16/18 Time 9:15AM Weather Cloudy, 70's

1. Location

Ground Elevation at Surface of Hole: _____ Location (identify on plan): Lot 4

2. Land Use Golf driving range None 0-3%
(e.g., woodland, agricultural field, vacant lot, etc.) Surface Stones Slope (%)
Lawn Outwash Plain (see sketch)
Vegetation Landform Position on Landscape (attach sheet)

3. Distances from: Open Water Body >100' Drainage Way >100' Possible Wet Area >100'
feet feet feet
Property Line >50' Drinking Water Well >100' Other _____
feet feet feet

4. Parent Material: Glacial Outwash 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: 20"
Depth Weeping from Pit Depth Standing Water in Hole

Estimated Depth to High Groundwater: 20"
inches elevation



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

C. On-Site Review (continued)

Deep Observation Hole Number: 518-8

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			
0-20"	FILL										
20-84"	C	2.5Y5/4				MS	90%	10%	WEAK		

Additional Notes:



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D. Determination of High Groundwater Elevation

1. Method Used:

☒ Depth observed standing water in observation hole

A. 16"

inches

B. 20"

inches

☐ Depth weeping from side of observation hole

A.

inches

B.

inches

☐ Depth to soil redoximorphic features (mottles)

A.

inches

B.

inches

☐ Groundwater adjustment (USGS methodology)

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:

24"

inches

Lower boundary:

84"

inches



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

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

Deep Observation Hole Number: 518- 9 Date 5/16/18 Time 9:30AM Weather Cloudy, 70's

1. Location

Ground Elevation at Surface of Hole: _____ Location (identify on plan): Lot 4

2. Land Use Golf driving range None 0-3%
(e.g., woodland, agricultural field, vacant lot, etc.) Surface Stones Slope (%)
Lawn Outwash Plain (see plan)
Vegetation Landform Position on Landscape (attach sheet)

3. Distances from: Open Water Body >100' Drainage Way >100' Possible Wet Area >100'
feet feet feet
Property Line >50' Drinking Water Well >100' Other _____
feet feet feet

4. Parent Material: Glacial Outwash 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: 14"
Depth Weeping from Pit Depth Standing Water in Hole

Estimated Depth to High Groundwater: 14"
inches elevation



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C. On-Site Review (continued)

Deep Observation Hole Number: 518-9

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			
0-36"	FILL										
36-96"	C	2.5Y5/4				MS	90%	10%	WEAK		

Additional Notes:



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

C. On-Site Review (continued)

Deep Observation Hole Number: 518-10 5/16/18 9:45AM Cloudy, 70's
Date Time Weather

1. Location

Ground Elevation at Surface of Hole: _____ Location (identify on plan): Lot 4

2. Land Use Golf driving range None 0-3%
(e.g., woodland, agricultural field, vacant lot, etc.) Surface Stones Slope (%)
Lawn Outwash Plain (see sketch)
Vegetation Landform Position on Landscape (attach sheet)

3. Distances from: Open Water Body >100' Drainage Way >100' Possible Wet Area >100'
feet feet feet
Property Line >50' Drinking Water Well >100' Other _____
feet feet feet

4. Parent Material: Glacial Outwash 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: 36" 48"
Depth Weeping from Pit Depth Standing Water in Hole

Estimated Depth to High Groundwater: 28" _____
inches elevation



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

C. On-Site Review (continued)

Deep Observation Hole Number: 518-10

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			
0-12"	A	10YR3/2				SL			WEAK		
12-24"	Bw	10YR5/8				SL			WEAK, FRIABLE		
24-40"	C1	10YR5/6	28"	10YR5/8	>5%	CS	90%	10%	WEAK		
40-96"	C2	2.5Y5/4				MS	90%	10%	WEAK		

Additional Notes:



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D. Determination of High Groundwater Elevation

1. Method Used:

☒ Depth observed standing water in observation hole

A. 14"

inches

B.

inches

☐ Depth weeping from side of observation hole

A.

inches

B.

inches

☒ Depth to soil redoximorphic features (mottles)

A.

inches

B. 28"

inches

☐ Groundwater adjustment (USGS methodology)

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:

36"

inches

Lower boundary:

96"

inches



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

Deep Observation Hole Number: 518- 11 Date 5/16/18 Time 10:00AM Weather Cloudy, 70's

1. Location

Ground Elevation at Surface of Hole: _____ Location (identify on plan): Lot 3

2. Land Use Golf driving range None 0-3%
(e.g., woodland, agricultural field, vacant lot, etc.) Surface Stones Slope (%)
Lawn Outwash Plain (see plan)
Vegetation Landform Position on Landscape (attach sheet)

3. Distances from: Open Water Body >100' Drainage Way >100' Possible Wet Area >100'
feet feet feet
Property Line >50' Drinking Water Well >100' Other _____
feet feet feet

4. Parent Material: Glacial Outwash 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: _____ 26"
Depth Weeping from Pit Depth Standing Water in Hole
Estimated Depth to High Groundwater: 26" _____
inches elevation



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

C. On-Site Review (continued)

Deep Observation Hole Number: 518-11

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			
0-26"	FILL										
26-84"	C	2.5Y5/4				MS	90%	10%	WEAK		

Additional Notes:



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

C. On-Site Review (continued)

Deep Observation Hole Number: 518-12 5/16/18 10:15AM Cloudy, 70's
Date Time Weather

1. Location

Ground Elevation at Surface of Hole: _____ Location (identify on plan): Lot 3

2. Land Use Golf driving range None 0-3%
(e.g., woodland, agricultural field, vacant lot, etc.) Surface Stones Slope (%)
Lawn Outwash Plain (see sketch)
Vegetation Landform Position on Landscape (attach sheet)

3. Distances from: Open Water Body >100' Drainage Way >100' Possible Wet Area >100'
feet feet feet
Property Line >50' Drinking Water Well >100' Other _____
feet feet feet

4. Parent Material: Glacial Outwash 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: _____ 25"
Depth Weeping from Pit Depth Standing Water in Hole
Estimated Depth to High Groundwater: 25" _____
inches elevation



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

C. On-Site Review (continued)

Deep Observation Hole Number: 518-12

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			
0-32"	FILL										
32-84"	C	2.5Y5/4				MS	90%	10%	WEAK		

Additional Notes:



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D. Determination of High Groundwater Elevation

1. Method Used:

- | | | |
|---|------------------|------------------|
| ☒ Depth observed standing water in observation hole | A. 26"
inches | B. 25"
inches |
| ☐ Depth weeping from side of observation hole | A.
inches | B.
inches |
| ☐ Depth to soil redoximorphic features (mottles) | A.
inches | B.
inches |
| ☐ Groundwater adjustment (USGS methodology) | 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: 32"
inches Lower boundary: 84"
inches



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

Deep Observation Hole Number: 518-13 Date 5/16/18 Time 10:45AM Weather Cloudy, 70's

1. Location

Ground Elevation at Surface of Hole: _____ Location (identify on plan): Lot 3

2. Land Use Golf driving range None 0-3%
(e.g., woodland, agricultural field, vacant lot, etc.) Surface Stones Slope (%)
Lawn Outwash Plain (see plan)
Vegetation Landform Position on Landscape (attach sheet)

3. Distances from: Open Water Body >100' Drainage Way >100' Possible Wet Area >100'
feet feet feet
Property Line >50' Drinking Water Well >100' Other _____
feet feet feet

4. Parent Material: Glacial Outwash 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: _____ 24"
Depth Weeping from Pit Depth Standing Water in Hole
Estimated Depth to High Groundwater: 24" _____
inches elevation



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

C. On-Site Review (continued)

Deep Observation Hole Number: 518-13

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			
0-24"	FILL										
24-84"	C	2.5Y5/4				MS	90%	10%	WEAK		

Additional Notes:



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

C. On-Site Review (continued)

Deep Observation Hole Number: 518-14 5/16/18 11:00AM Cloudy, 70's
Date Time Weather

1. Location

Ground Elevation at Surface of Hole: _____ Location (identify on plan): Lot 3

2. Land Use Golf driving range None 0-3%
(e.g., woodland, agricultural field, vacant lot, etc.) Surface Stones Slope (%)
Lawn Outwash Plain (see sketch)
Vegetation Landform Position on Landscape (attach sheet)

3. Distances from: Open Water Body >100' Drainage Way >100' Possible Wet Area >100'
feet feet feet
Property Line >50' Drinking Water Well >100' Other _____
feet feet feet

4. Parent Material: Glacial Outwash 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: _____ 24"
Depth Weeping from Pit Depth Standing Water in Hole
Estimated Depth to High Groundwater: 24" _____
inches elevation



Commonwealth of Massachusetts

City/Town of Stow

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

C. On-Site Review (continued)

Deep Observation Hole Number: 518-14

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			
0-28"	FILL										
28-84"	C	2.5Y5/4				MS	90%	10%	WEAK		

Additional Notes:



Commonwealth of Massachusetts

City/Town of Stow

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

D. Determination of High Groundwater Elevation

1. Method Used:

☒ Depth observed standing water in observation hole

A. 24"
inches

B. 24"
inches

☐ Depth weeping from side of observation hole

A.
inches

B.
inches

☐ Depth to soil redoximorphic features (mottles)

A.
inches

B.
inches

☐ Groundwater adjustment (USGS methodology)

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:

28"
inches

Lower boundary:

84"
inches



Commonwealth of Massachusetts

City/Town of Stow

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

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

Deep Observation Hole Number: 518-15 Date 5/16/18 Time 11:15AM Weather Cloudy, 70's

1. Location

Ground Elevation at Surface of Hole: _____ Location (identify on plan): Lot 2

2. Land Use Golf driving range None 0-3%
(e.g., woodland, agricultural field, vacant lot, etc.) Surface Stones Slope (%)
Lawn Outwash Plain (see plan)
Vegetation Landform Position on Landscape (attach sheet)

3. Distances from: Open Water Body >100' Drainage Way >100' Possible Wet Area >100'
feet feet feet
Property Line >50' Drinking Water Well >100' Other _____
feet feet feet

4. Parent Material: Glacial Outwash 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: _____ 24"
Depth Weeping from Pit Depth Standing Water in Hole
Estimated Depth to High Groundwater: 24" _____
inches elevation



Commonwealth of Massachusetts

City/Town of Stow

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

C. On-Site Review (continued)

Deep Observation Hole Number: 518-15

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			
0-18"	FILL										
18-84"	C	2.5Y5/4				MS	90%	10%	WEAK		

Additional Notes:



Commonwealth of Massachusetts

City/Town of Stow

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

C. On-Site Review (continued)

Deep Observation Hole Number: 518-16 5/16/18 11:30AM Cloudy, 70's
Date Time Weather

1. Location

Ground Elevation at Surface of Hole: _____ Location (identify on plan): Lot 2

2. Land Use Golf driving range None 0-3%
(e.g., woodland, agricultural field, vacant lot, etc.) Surface Stones Slope (%)
Lawn Outwash Plain (see sketch)
Vegetation Landform Position on Landscape (attach sheet)

3. Distances from: Open Water Body >100' Drainage Way >100' Possible Wet Area >100'
feet feet feet
Property Line >50' Drinking Water Well >100' Other _____
feet feet feet

4. Parent Material: Glacial Outwash 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: _____ 24"
Depth Weeping from Pit Depth Standing Water in Hole
Estimated Depth to High Groundwater: 24" _____
inches elevation



Commonwealth of Massachusetts

City/Town of Stow

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

C. On-Site Review (continued)

Deep Observation Hole Number: 518-16

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			
0-8"	FILL										
8-84"	C	2.5Y5/4				MS	90%	10%	WEAK		

Additional Notes:



Commonwealth of Massachusetts

City/Town of Stow

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

D. Determination of High Groundwater Elevation

1. Method Used:

☒ Depth observed standing water in observation hole

A. 24"
inches

B. 24"
inches

☐ Depth weeping from side of observation hole

A.
inches

B.
inches

☐ Depth to soil redoximorphic features (mottles)

A.
inches

B.
inches

☐ Groundwater adjustment (USGS methodology)

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:

18"
inches

Lower boundary:

84"
inches



Commonwealth of Massachusetts

City/Town of Stow

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

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

Deep Observation Hole Number: 518-17 Date 5/16/18 Time 11:45AM Weather Cloudy, 70's

1. Location

Ground Elevation at Surface of Hole: _____ Location (identify on plan): Lot 2

2. Land Use Golf driving range None 0-3%
(e.g., woodland, agricultural field, vacant lot, etc.) Surface Stones Slope (%)
Lawn Outwash Plain (see plan)
Vegetation Landform Position on Landscape (attach sheet)

3. Distances from: Open Water Body >100' Drainage Way >100' Possible Wet Area >100'
feet feet feet
Property Line >50' Drinking Water Well >100' Other _____
feet feet feet

4. Parent Material: Glacial Outwash 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: _____ 30"
Depth Weeping from Pit Depth Standing Water in Hole
Estimated Depth to High Groundwater: 24" _____
inches elevation



Commonwealth of Massachusetts

City/Town of Stow

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

C. On-Site Review (continued)

Deep Observation Hole Number: 518-17

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			
0-20"	FILL										
20-84"	C	2.5Y5/4	24"	10YR5/8	>5%	MS	90%	10%	WEAK		

Additional Notes:



Commonwealth of Massachusetts

City/Town of Stow

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

C. On-Site Review (continued)

Deep Observation Hole Number: 518-18 5/16/18 12:00PM Cloudy, 70's
Date Time Weather

1. Location

Ground Elevation at Surface of Hole: _____ Location (identify on plan): Lot 2

2. Land Use Golf driving range None 0-3%
(e.g., woodland, agricultural field, vacant lot, etc.) Surface Stones Slope (%)
Lawn Outwash Plain (see sketch)
Vegetation Landform Position on Landscape (attach sheet)

3. Distances from: Open Water Body >100' Drainage Way >100' Possible Wet Area >100'
feet feet feet
Property Line >50' Drinking Water Well >100' Other _____
feet feet feet

4. Parent Material: Glacial Outwash 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: _____ 34"
Depth Weeping from Pit Depth Standing Water in Hole
Estimated Depth to High Groundwater: 24" _____
inches elevation



Commonwealth of Massachusetts

City/Town of Stow

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

C. On-Site Review (continued)

Deep Observation Hole Number: 518-18

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			
0-20"	FILL										
20-84"	C	2.5Y5/4	24"	10YR5/8	>5%	MS	90%	10%	WEAK		

Additional Notes:



Commonwealth of Massachusetts

City/Town of Stow

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

D. Determination of High Groundwater Elevation

1. Method Used:

☒ Depth observed standing water in observation hole

A. _____
inches

B. _____
inches

☐ Depth weeping from side of observation hole

A. _____
inches

B. _____
inches

☒ Depth to soil redoximorphic features (mottles)

A. 24"
inches

B. 24"
inches

☐ Groundwater adjustment (USGS methodology)

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: 20"
inches

Lower boundary: 84"
inches



Commonwealth of Massachusetts

City/Town of Stow

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

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

Deep Observation Hole Number: 518-19 Date 5/16/18 Time 12:15PM Weather Cloudy, 70's

1. Location

Ground Elevation at Surface of Hole: _____ Location (identify on plan): Lot 1

2. Land Use Golf driving range None 0-3%
(e.g., woodland, agricultural field, vacant lot, etc.) Surface Stones Slope (%)
Lawn Outwash Plain (see plan)
Vegetation Landform Position on Landscape (attach sheet)

3. Distances from: Open Water Body >100' Drainage Way >100' Possible Wet Area >100'
feet feet feet
Property Line >50' Drinking Water Well >100' Other _____
feet feet feet

4. Parent Material: Glacial Outwash 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: _____
Depth Weeping from Pit _____ Depth Standing Water in Hole _____
Estimated Depth to High Groundwater: 62" _____
inches elevation



Commonwealth of Massachusetts

City/Town of Stow

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

C. On-Site Review (continued)

Deep Observation Hole Number: 518-19

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			
0-22"	FILL										
22-96"	C	2.5Y5/4	62"	10YR5/8	>5%	MS	90%	10%	WEAK		

Additional Notes:



Commonwealth of Massachusetts

City/Town of Stow

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

C. On-Site Review (continued)

Deep Observation Hole Number: 518-20 5/16/18 12:30PM Cloudy, 70's
Date Time Weather

1. Location

Ground Elevation at Surface of Hole: _____ Location (identify on plan): Lot 1

2. Land Use Golf driving range None 0-3%
(e.g., woodland, agricultural field, vacant lot, etc.) Surface Stones Slope (%)
Lawn Outwash Plain (see sketch)
Vegetation Landform Position on Landscape (attach sheet)

3. Distances from: Open Water Body >100' Drainage Way >100' Possible Wet Area >100'
feet feet feet
Property Line >50' Drinking Water Well >100' Other _____
feet feet feet

4. Parent Material: Glacial Outwash 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: _____
Depth Weeping from Pit Depth Standing Water in Hole
Estimated Depth to High Groundwater: 64" _____
inches elevation



Commonwealth of Massachusetts

City/Town of Stow

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

C. On-Site Review (continued)

Deep Observation Hole Number: 518-20

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			
0-20"	FILL										
20-56"	C1	2.5Y5/4				CS	90%	10%	WEAK		
56-96"	C2	2.5Y5/3	64"	10YR5/8	>5%	MS	90%	10%	WEAK		

Additional Notes:



Commonwealth of Massachusetts

City/Town of Stow

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

D. Determination of High Groundwater Elevation

1. Method Used:

☒ Depth observed standing water in observation hole

A. _____
inches

B. _____
inches

☐ Depth weeping from side of observation hole

A. _____
inches

B. _____
inches

☒ Depth to soil redoximorphic features (mottles)

A. 62"
inches

B. 64"
inches

☐ Groundwater adjustment (USGS methodology)

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: 22"
inches

Lower boundary: 96"
inches



Commonwealth of Massachusetts

City/Town of Stow

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

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

Deep Observation Hole Number: 518-21 Date 5/16/18 Time 12:45PM Weather Cloudy, 70's

1. Location

Ground Elevation at Surface of Hole: _____ Location (identify on plan): Lot 1

2. Land Use Golf driving range None 0-3%
(e.g., woodland, agricultural field, vacant lot, etc.) Surface Stones Slope (%)
Lawn Outwash Plain (see plan)
Vegetation Landform Position on Landscape (attach sheet)

3. Distances from: Open Water Body >100' Drainage Way >100' Possible Wet Area >100'
feet feet feet
Property Line >50' Drinking Water Well >100' Other _____
feet feet feet

4. Parent Material: Glacial Outwash 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: _____ 84"
Depth Weeping from Pit Depth Standing Water in Hole
Estimated Depth to High Groundwater: 52" _____
inches elevation



Commonwealth of Massachusetts

City/Town of Stow

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

C. On-Site Review (continued)

Deep Observation Hole Number: 518-21

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			
0-18"	FILL										
18-52"	C1	10YR5/4				MS	90%	10%	WEAK		
52-96"	C2	2.5Y5/4	52"	10YR5/8	>5%	CS	90%	10%	WEAK		

Additional Notes:



Commonwealth of Massachusetts

City/Town of Stow

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

C. On-Site Review (continued)

Deep Observation Hole Number: 518-22 5/16/18 1:00PM Cloudy, 70's
Date Time Weather

1. Location

Ground Elevation at Surface of Hole: _____ Location (identify on plan): Lot 1

2. Land Use Golf driving range None 0-3%
(e.g., woodland, agricultural field, vacant lot, etc.) Surface Stones Slope (%)
Lawn Outwash Plain (see sketch)
Vegetation Landform Position on Landscape (attach sheet)

3. Distances from: Open Water Body >100' Drainage Way >100' Possible Wet Area >100'
feet feet feet
Property Line >50' Drinking Water Well >100' Other _____
feet feet feet

4. Parent Material: Glacial Outwash 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: _____ 92"
Depth Weeping from Pit Depth Standing Water in Hole
Estimated Depth to High Groundwater: 52" _____
inches elevation



Commonwealth of Massachusetts

City/Town of Stow

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

C. On-Site Review (continued)

Deep Observation Hole Number: 518-22

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			
0-18"	FILL										
18-50"	C1	10YR5/4				MS	90%	10%	WEAK		
50-96"	C2	2.5Y5/3	52"	10YR5/8	>5%	CS	90%	10%	WEAK		

Additional Notes:



Commonwealth of Massachusetts

City/Town of Stow

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

D. Determination of High Groundwater Elevation

1. Method Used:

☒ Depth observed standing water in observation hole

A. _____
inches

B. _____
inches

☐ Depth weeping from side of observation hole

A. _____
inches

B. _____
inches

☒ Depth to soil redoximorphic features (mottles)

A. 52"
inches

B. 52"
inches

☐ Groundwater adjustment (USGS methodology)

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: 18"
inches

Lower boundary: 96"
inches



Commonwealth of Massachusetts

City/Town of Stow

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.

Signature of Soil Evaluator

Scott P. Hayes, PE (SE #1030)

Typed or Printed Name of Soil Evaluator / License #

Kalene Gendron

Name of Board of Health Witness

5/16/18

Date

July 1995

Date of Soil Evaluator Exam

Nashoba Associated Boards of Health

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.



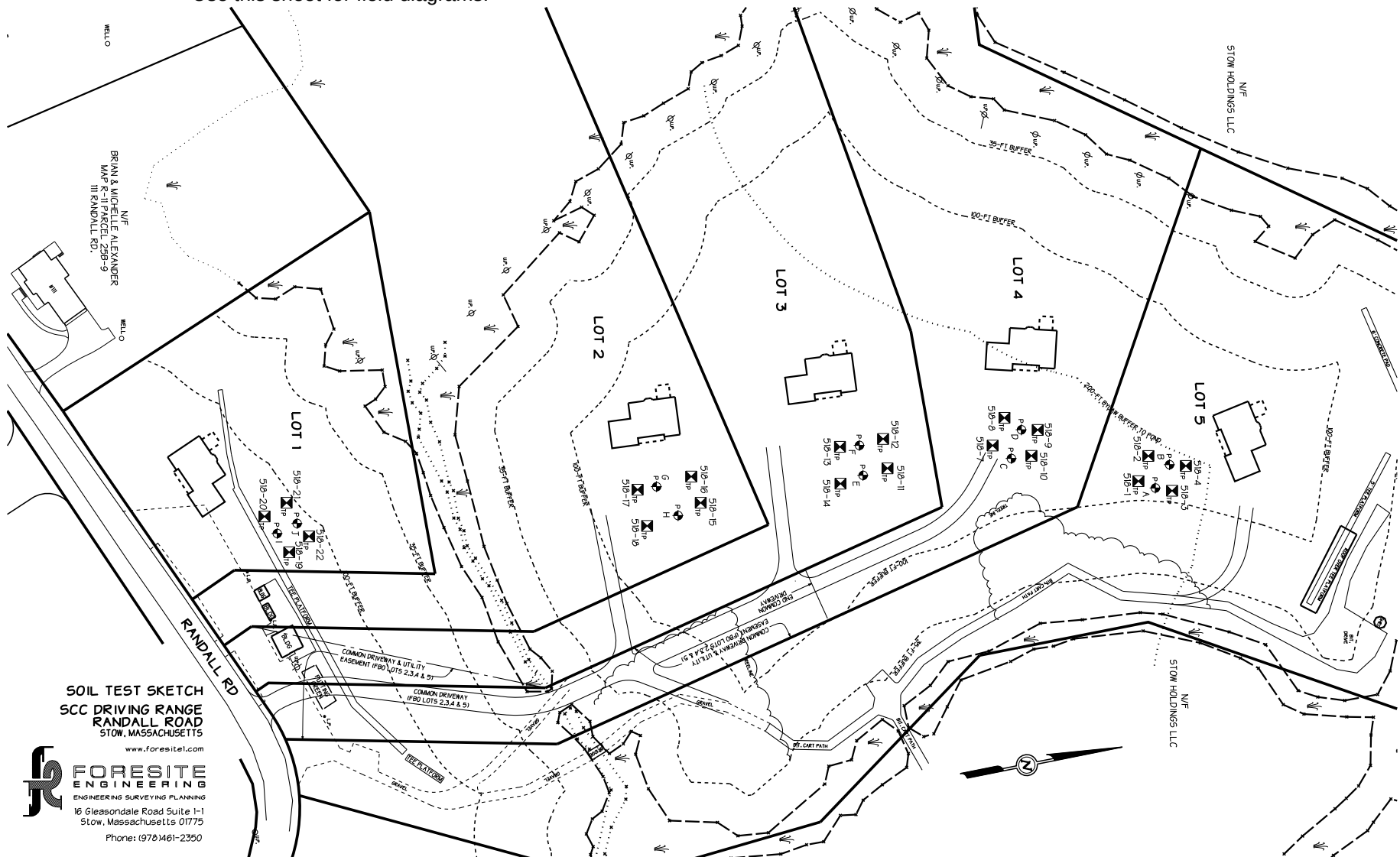
Commonwealth of Massachusetts

City/Town of Stow

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

Field Diagrams

Use this sheet for field diagrams:





Commonwealth of Massachusetts

City/Town of Stow

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

Stow Holdings LLC

Owner Name

258 Andover Street

Street Address or Lot #

Georgetown

City/Town

MA

State

01883

Zip Code

Peter Brown

Contact Person (if different from Owner)

(617) 962-1023

Telephone Number

B. Test Results

	<u>8/3/18</u> Date	<u>10:30AM</u> Time	<u>8/3/18</u> Date	<u>10:30AM</u> Time
Observation Hole #	PT-818A		PT-818B	
Depth of Perc	48"		68"	
Start Pre-Soak	10:35		10:38	
End Pre-Soak	24 Gal. Applied < 15 min.		24 Gal. Applied < 15 min.	
Time at 12"	Could not saturate		Could not saturate	
Time at 9"				
Time at 6"				
Time (9"-6")				
Rate (Min./Inch)	<2 MPI		<2 MPI	
	Test Passed: ☒		Test Passed: ☒	
	Test Failed: ☐		Test Failed: ☐	

Scott Hayes, PE, FORESITE Engineering

Test Performed By:

Kalene Gendron, NABH

Witnessed By:

Comments:



Commonwealth of Massachusetts

City/Town of Stow

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

Stow Holdings LLC

Owner Name

258 Andover Street

Street Address or Lot #

Georgetown

City/Town

MA

State

01883

Zip Code

Peter Brown

Contact Person (if different from Owner)

(617) 962-1023

Telephone Number

B. Test Results

	8/3/18 Date	10:40AM Time	8/3/18 Date	10:40AM Time
Observation Hole #	PT-818C		PT-818D	
Depth of Perc	42"		42"	
Start Pre-Soak	10:42		10:45	
End Pre-Soak	24 Gal. Applied < 15 min.		24 Gal. Applied < 15 min.	
Time at 12"	Could not saturate		Could not saturate	
Time at 9"				
Time at 6"				
Time (9"-6")				
Rate (Min./Inch)	<2 MPI		<2 MPI	
	Test Passed: ☒		Test Passed: ☒	
	Test Failed: ☐		Test Failed: ☐	

Scott Hayes, PE, FORESITE Engineering

Test Performed By:

Kalene Gendron, NABH

Witnessed By:

Comments:



Commonwealth of Massachusetts
City/Town of Stow
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

Stow Holdings LLC

Owner Name

258 Andover Street

Street Address or Lot #

Georgetown

City/Town

MA

State

01883

Zip Code

Peter Brown

Contact Person (if different from Owner)

(617) 962-1023

Telephone Number

B. Test Results

	8/3/18 Date	11:00AM Time	8/3/18 Date	11:10AM Time
Observation Hole #	PT-818E		PT-818F	
Depth of Perc	42"		46"	
Start Pre-Soak	11:02		11:10	
End Pre-Soak	24 Gal. Applied < 15 min.		24 Gal. Applied < 15 min.	
Time at 12"	Could not saturate		Could not saturate	
Time at 9"				
Time at 6"				
Time (9"-6")				
Rate (Min./Inch)	<2 MPI		<2 MPI	
	Test Passed: ☒		Test Passed: ☒	
	Test Failed: ☐		Test Failed: ☐	

Scott Hayes, PE, FORESITE Engineering

Test Performed By:

Kalene Gendron, NABH

Witnessed By:

Comments:



Commonwealth of Massachusetts

City/Town of Stow

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

Stow Holdings LLC

Owner Name

258 Andover Street

Street Address or Lot #

Georgetown

City/Town

MA

State

01883

Zip Code

Peter Brown

Contact Person (if different from Owner)

(617) 962-1023

Telephone Number

B. Test Results

	8/3/18 Date	11:15AM Time	8/3/18 Date	11:15AM Time
Observation Hole #	PT-818G		PT-818H	
Depth of Perc	40"		48"	
Start Pre-Soak	11:17		11:25	
End Pre-Soak	24 Gal. Applied < 15 min.		24 Gal. Applied < 15 min.	
Time at 12"	Could not saturate		Could not saturate	
Time at 9"				
Time at 6"				
Time (9"-6")				
Rate (Min./Inch)	<2 MPI		<2 MPI	
	Test Passed: ☒		Test Passed: ☒	
	Test Failed: ☐		Test Failed: ☐	

Scott Hayes, PE, FORESITE Engineering

Test Performed By:

Kalene Gendron, NABH

Witnessed By:

Comments:



Commonwealth of Massachusetts
City/Town of Stow
Percolation Test
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B. Test Results

	<u>8/3/18</u> Date	<u>11:30AM</u> Time	<u>8/3/18</u> Date	<u>11:40AM</u> Time
Observation Hole #	<u>PT-818I</u>		<u>PT-818J</u>	
Depth of Perc	<u>54"</u>		<u>60"</u>	
Start Pre-Soak	<u>11:32</u>		<u>11:40</u>	
End Pre-Soak	<u>24 Gal. Applied < 15 min.</u>		<u>24 Gal. Applied < 15 min.</u>	
Time at 12"	<u>Could not saturate</u>		<u>Could not saturate</u>	
Time at 9"	<u></u>		<u></u>	
Time at 6"	<u></u>		<u></u>	
Time (9"-6")	<u></u>		<u></u>	
Rate (Min./Inch)	<u><2 MPI</u>		<u><2 MPI</u>	
	Test Passed: ☒		Test Passed: ☒	
	Test Failed: ☐		Test Failed: ☐	

Scott Hayes, PE, FORESITE Engineering

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