

A. Facility Information

	Stow Holdings LLC					
	Owner Name					
	Stow Country Club Driving Range, Randall Road				Map R-11 Parce	el 25B-3
	Street Address				Map/Lot #	
	Stow		MA		01775	
	City		State		Zip Code	
В.	Site Information					
1.	(Check one) New Construction	Upgrade	🗌 Rep	pair		
2.	Soil Survey Available? Xes	🗌 No	If yes: NRC	S		32B Soil Map Unit
	Wareham Loamv Fine Sand. 0-5% slopes		Wetness			·
	Soil Name		Soil Limitations			
3.	Surficial Geological Report Available?	🖂 No	If yes: Year F	Published/Source	Publication Scale	Map Unit
	Glacial Outwash		Outwash Plain			·
	Geologic/Parent Material		Landform			
4.	Flood Rate Insurance Map					
	Above the 500-year flood boundary?	🛛 No	Within the 100-ye	ear flood boundar	y? 🗌 Yes	🖂 No
	Within the 500-year flood boundary? 🛛 Yes	🗌 No	Within a velocity	zone?	Yes	🛛 No
5.	Wetland Area: Wetlands Conservancy F	Program Map	U Map Unit		Upland Name	
6.	Current Water Resource Conditions (USGS):	07/17 Month/Year	Range: 🗌 Abo	ove Normal 🛛	Normal 🗌 Belov	v Normal
7.	Other references reviewed:					



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

	Deep Observat	tion Hole Number:	518-1	5/16/18 Date	8:00AM Time	Cloudy, 60's Weather	
1.	Location						
	Ground Elevation	on at Surface of Hole:		Location (identify or	n plan):		
~	1	Golf driving range			None		0-3%
2.	Land Use	(e.g., woodland, agricultural f	ield, 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' feet	- Drainage Way	<u>>100'</u> feet	Possible Wet Are	ea <u>>100'</u>
		Property Line	>50' feet	- Drinking Water	Well $\frac{>100'}{\text{feet}}$	Other	feet
4.	Parent Material	Glacial Outwash		Unsuita	able Materials Prese	nt: 🛛 🛛 Yes	🗌 No
	If Yes:	Disturbed Soil	Fill Material	Impervious Layer(s)) 🗌 Weathe	red/Fractured Rock	Bedrock
5.	Groundwater O	bserved: 🛛 Yes	🗌 No	If yes:	Depth Weeping fro	om Pit 28" Depth S	Standing Water in Hole
	Estimated Dept	h to High Groundwater:	28" inches	elevation	1		



C. On-Site Review (continued)

Deep Observation Hole Number:

518-1

Depth (in.)	Soil Horizon/	Soil Matrix: Color-	Redox	imorphic Fe (mottles)	eatures	Soil Texture	Coarse F % by \	ragments /olume	Soil	Soil Consistence	Other
Depth (m.)	Layer	Moist (Munsell)	Depth	Color	Percent	(USDA)	Gravel	Cobbles & Stones	Structure	(Moist)	Other
0-24"	FILL										
24-86"	С	2.5Y5/4				MS	90%	10%	WEAK		



Commonwealth of Massachusetts

City/Town of Stow

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

C.	On-Site Re	view (continued)					
	Deen Obeenvet	on Holo Number	518-2	5/16/18	8:15AM	Cloudy, 60's	
	Deep Observati	ion noie number.		Date	Time	Weather	
1.	Location						
	Ground Elevatio	n at Surface of Hole:		Location (identify on	plan): Lot	:5	
S	Lond Lloo	Golf driving range			None		0-3%
Ζ.	(e.g., woodland, agricultural		eld, vacant lot, etc.)		Surface Stones		Slope (%)
		Lawn		Outwash Plain		(see sketch)	
	-	Vegetation		Landform		Position on Landsca	pe (attach sheet)
3.	Distances from:	Open Water Body	>100' feet	- Drainage Way	>100' feet	- Possible Wet A	rea <u>>100'</u> feet
		Property Line	>50' feet	 Drinking Water V 	Well $\frac{>100'}{\text{feet}}$	- Other	feet
4.	Parent Material:	Glacial Outwash		Unsuita	ble Materials Pres	sent: 🛛 🛛 Yes	🗌 No
	If Yes:	Disturbed Soil	Fill Material	Impervious Layer(s)	🗌 Weatl	hered/Fractured Rock	Bedrock
5.	Groundwater Ob	oserved: 🛛 Yes	🗌 No	If yes:	Depth Weeping	from Pit <u>36"</u> Depth	n Standing Water in Hole
			36"				č
	Estimated Depth to High Groundwater:		inches	elevation			



C. On-Site Review (continued)

Deep Observation Hole Number:

518-2

Denth (in)	Soil Horizon/	Soil Matrix: Color-	Redoximorphic Features (mottles)			Soil Texture	Coarse Fragments % by Volume		Soil	Soil	Other
Depth (in.)	Layer	Moist (Munsell)	Depth	Color	Percent	(USDA)	Gravel	Cobbles & Stones	Structure	(Moist)	Other
0-24"	FILL										
24-48"	C1	2.5Y5/4				MS	90%	10%	WEAK		
48-84"	C2	10YR5/4				CS	90%	10%	WEAK		



D. Determination of High Groundwater Elevation

1. Method Used:

Depth observed standing water in	a bear ation hale	A. 28"	B. 36"	
	i observation noie	inches	inches	
Depth weeping from side of observed	rvation hole	Α.	<u>B.</u>	
	rvation note	inches	inches	
Depth to soil redovimorphic feature	res (mottles)	Α.	<u>B.</u>	
		inches	inches	
Groundwater adjustment (USGS	methodology)	Α.	<u> </u>	
	methodology)	inches	inches	
2.				
Index Well Number	Reading Date		Index Well Level	
Adjustment Factor	Adjusted Groundwa	ter 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:

oundary: <u>24"</u> inches

Lower boundary:

84" inches



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

	Deep Observat	tion Hole Number:	518-3	5/16/18 Date	8:30AM Time	Cloudy, 60's Weather	
1.	Location						
	Ground Elevation	on at Surface of Hole:		Location (identify o	on plan):	4	
~		Golf driving range			None	0	-3%
2.	Land Use	(e.g., woodland, agricultural f	ield, vacant lot, etc.)		Surface Stones	S	lope (%)
		Lawn		Outwash Plain		(see plan)	
		Vegetation		Landform		Position on Landscape (a	ttach sheet)
3.	Distances from:	Open Water Body	>100' feet	- Drainage Way	>100' feet	Possible Wet Area	>100' feet
		Property Line	>50' feet	- Drinking Water	Well $\frac{>100'}{\text{feet}}$	Other	feet
4.	Parent Material:	Glacial Outwash		Unsuit	table Materials Pres	ent: 🛛 Yes	🗌 No
	If Yes:	Disturbed Soil	Fill Material	Impervious Layer(s) 🗌 Weath	ered/Fractured Rock	Bedrock
5.	Groundwater O	bserved: 🛛 Yes	🗌 No	If yes:	56" Depth Weeping f	rom Pit Depth Sta	nding Water in Hole
	Estimated Dept	h to High Groundwater:	52" inches	elevatio	n		



C. On-Site Review (continued)

Deep Observation Hole Number:

518-3

Denth (in)	Soil Horizon/	Soil Matrix: Color-	Redox	timorphic Fe (mottles)	atures	Soil Texture	Coarse F % by \	ragments /olume	Soil	Soil	Other
Depth (in.)	Layer	Moist (Munsell)	Depth	Color	Percent	(USDA)	Gravel	Cobbles & Stones	Structure	(Moist)	Other
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		



Commonwealth of Massachusetts

City/Town of Stow

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

C.	On-Site Re	view (continued)					
	Deep Observat	ion Hole Number:	518-4	5/16/18	8:45AM	Cloudy, 60's	
1.	Location			Date	Time	weather	
	Ground Elevatio	on at Surface of Hole:		Location (identify on	plan):	ot 4	
0		Golf driving range			None		0-3%
Ζ.	(e.g., woodland, agricultural		ield, vacant lot, etc.)		Surface Stones		Slope (%)
		Lawn		Outwash Plain		(see sketch)	
		Vegetation		Landform		Position on Landsca	pe (attach sheet)
3.	Distances from:	Open Water Body	>100' feet	- Drainage Way	>10 feet	0' Possible Wet A	rea <u>>100'</u> feet
		Property Line	>50' feet	- Drinking Water	Well <u>>10</u>	0' Other	feet
4.	Parent Material:	Glacial Outwash		Unsuital	ble Materials Pi	resent: 🛛 🛛 Yes	🗌 No
	If Yes: 🛛 🛛	Disturbed Soil	Fill Material	Impervious Layer(s)	🗌 We	athered/Fractured Rock	Bedrock
5.	Groundwater Ob	oserved: 🛛 Yes	🗌 No	If yes:	36" Depth Weepir	ng from Pit Depth	n Standing Water in Hole
	Estimated Depth to High Groundwater: $\frac{32'}{inch}$		32" inches	elevation			



C. On-Site Review (continued)

Deep Observation Hole Number:

518-4

Depth (in.)	Soil Horizon/	Soil Matrix: Color-	Redo:	oximorphic Features (mottles) Soil Texture % by Volume		Soil Texture Soil Soil Texture Soil Soil Texture Soil Soil Soil Soil Texture Soil Soil Soil Soil Soil Soil Soil Soil	Coarse Fragments % by Volume	Coarse Fragments % by Volume Soil Consistent		Soil	e Other
Depth (in.)	Layer	Moist (Munsell)	Depth	Color	Percent	(USDA)	Gravel	Cobbles & Stones	Structure	(Moist)	Other
0-24"	FILL										
24-84"	С	2.5Y5/4	52"	10YR5/8	>5%	MS	90%	10%	WEAK		



D. Determination of High Groundwater Elevation

1. Method Used:

Depth observed standing water i	a abaamiatian hala	A. 52"	B. 32"	
	n observation noie	inches	inches	
Depth weeping from side of observed	rvation hole	Α.	<u>B</u> .	
		inches	inches	
Depth to soil redovimorphic feature	ures (mottles)	Α.	<u>B</u> .	
		inches	inches	
Groupdwater adjustment (LISGS	methodology)	Α.	<u> </u>	
	methodology)	inches	inches	
2.				
Index Well Number	Reading Date		Index Well Level	
Adjustment Factor	Adjusted Groundwa	ter 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:

dary: <u>32"</u> inches

Lower boundary:

84" inches



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

	Deep Observat	tion Hole Number:	518- 7	5/16/18 Date	9:00AM Time	Cloudy, 70's Weather	
1.	Location						
	Ground Elevation	on at Surface of Hole:		Location (identify o	n plan):	4	
~		Golf driving range			None		0-3%
Ζ.	Land Use	(e.g., woodland, agricultural f	ield, 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' feet	- Drainage Way	>100' feet	Possible Wet Are	ea <u>>100'</u> feet
		Property Line	>50' feet	- Drinking Water	Well $\frac{>100'}{\text{feet}}$	Other	feet
4.	Parent Material:	Glacial Outwash		Unsuit	able Materials Pres	ent: 🛛 Yes	🗌 No
	If Yes:	Disturbed Soil	Fill Material	Impervious Layer(s) 🗌 Weath	ered/Fractured Rock	Bedrock
5.	Groundwater O	bserved: 🛛 Yes	🗌 No	If yes:	Depth Weeping f	rom Pit Depth S	tanding Water in Hole
	Estimated Dept	h to High Groundwater:	16" inches	elevation	n		



C. On-Site Review (continued)

Deep Observation Hole Number:

518-7

Depth (in.)	Soil Horizon/	/ Soil Matrix: Color-	Redoximorphic Features (mottles)		Soil Texture	Coarse Fragments % by Volume		Soil	Soil	Other	
Depth (in.)	Layer	Moist (Munsell)	Depth	Color	Percent	(USDA)	Gravel	Cobbles & Stones	Structure	(Moist)	U
0-24"	FILL										
24-84"	С	2.5Y5/4				MS	90%	10%	WEAK		



Commonwealth of Massachusetts

City/Town of Stow

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

C.	On-Site Review (continued)						
	Deen Observation Hole	51a	8-8	5/16/18	9:15AM	Cloudy,70's		
	Deep Observation note r			Date	Time	Weather		
1.	Location							
	Ground Elevation at Surface	ce of Hole:		Location (identify on	plan): <u>Lo</u>	ot 4		
S	Golf drivin	ig range		None			0-3%	
Ζ.	(e.g., woodla	and, agricultural field,	vacant lot, etc.)		Surface Stones		Slope (%)	
	Lawn			Outwash Plain		(see sketch)		
	Vegetation			Landform		Position on Landsca	pe (attach sheet)	
3.	Distances from: Oper	n Water Body	>100' feet	 Drainage Way 	>100 feet)' Possible Wet A	rea <u>>100'</u> feet	
	Prop	erty Line	>50' feet	 Drinking Water \ 	$Vell \qquad \frac{>100}{feet}$)' — Other	feet	
4.	Parent Material: Glac	ial Outwash		Unsuital	ole Materials Pre	esent: 🛛 🛛 Yes	🗌 No	
	If Yes: Disturbed S	oil 🛛 🖾 Fill	Material [Impervious Layer(s)	🗌 Wea	thered/Fractured Rock	Bedrock	
5.	Groundwater Observed:	🛛 Yes	🗌 No	If yes:	20" Depth Weepin	g from Pit Depth	n Standing Water in Hole	
Estimated Depth to High Groundwater: 20"			elevation					



C. On-Site Review (continued)

Deep Observation Hole Number:

518-8

Depth (in.)	Soil Horizon/	/ Soil Matrix: Color-	Redoximorphic Features (mottles)		Soil Texture	Coarse Fragments % by Volume		Soil	Soil	Other	
Depth (in.)	Layer	Moist (Munsell)	Depth	Color	Percent	(USDA)	Gravel	Cobbles & Stones	Structure	(Moist)	Other
0-20"	FILL										
20-84"	С	2.5Y5/4				MS	90%	10%	WEAK		



D. Determination of High Groundwater Elevation

1. Method Used:

	Depth chaonical standing water in chaor	votion hole	A. 16"	E	3. 20"
		vation noie	inches	ir	nches
	Depth weeping from side of observation	hole	Α.	<u>E</u>	3.
		inches		ir	nches
	Depth to soil redoximorphic features (mottles)		Α.		3.
			inches	ir	nches
	Groundwater adjustment (USGS method	tology)	Α.	<u>E</u>	3.
		ullugy)	inches	ir	nches
2.					
	Index Well Number	Reading Date		Index Well Leve	el
	Adjustment Factor	Adjusted Groundwate	er 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:

indary: <u>24"</u>

Lower boundary:

84" inches



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

	Deep Observat	tion Hole Number:	518-9	5/16/18 Date	9:30AM Time	Cloudy, 70's Weather	
1.	Location						
	Ground Elevation	on at Surface of Hole:		Location (identify o	n plan):	1	
~	1	Golf driving range			None		0-3%
2.	Land Use	(e.g., woodland, agricultural f	ield, vacant lot, etc.)		Surface Stones		Slope (%)
	Lawn			Outwash Plain		(see plan)	
	Vegetation			Landform		Position on Landscape	attach sheet)
3.	Distances from:	Open Water Body	, <u>>100'</u> feet	- Drainage Way	>100' feet	Possible Wet Are	a <u>>100'</u> feet
		Property Line	>50' feet	 Drinking Water 	Well $\frac{>100'}{\text{feet}}$	Other	feet
4.	Parent Material:	Glacial Outwash		Unsuita	able Materials Pres	ent: 🛛 Yes	🗌 No
	If Yes:	Disturbed Soil	Fill Material	Impervious Layer(s) 🗌 Weathe	ered/Fractured Rock	Bedrock
5.	Groundwater O	bserved: 🛛 Yes	🗌 No	If yes:	14" Depth Weeping fr	rom Pit Depth St	anding Water in Hole
	Estimated Dept	h to High Groundwater:	14" inches	elevation	1		



C. On-Site Review (continued)

Deep Observation Hole Number:

518-9

Depth (in.)	Soil Horizon/	n/ Soil Matrix: Color-	Redoximorphic Features . (mottles)		Soil Texture	Coarse Fragments % by Volume		Soil	Soil	Other	
Depth (in.)	Layer	Moist (Munsell)	Depth	Color	Percent	(USDA)	Gravel	Cobbles & Stones	Structure	(Moist)	Other
0-36"	FILL										
36-96"	С	2.5Y5/4				MS	90%	10%	WEAK		



Commonwealth of Massachusetts

City/Town of Stow

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

C.	On-Site Review	N (continued)							
	Deen Observation U		518-10	5/16/18	9:45AM		Cloudy,70's		
	Deep Observation h			Date	Time		Weather		
1.	Location								
	Ground Elevation at S	Surface of Hole:		Location (identify on	plan):	Lot 4			
2	Golf	driving range		None			0-3%		
Ζ.	Land Use (e.g., v	woodland, agricultural fie	ld, vacant lot, etc.)		Surface Sto	ones		Slope (%)	
	Lawr)		Outwash Plain		(see sketch)		
	Vegeta	Vegetation				F	Position on Landscape	e (attach sheet)	
3.	Distances from:	Open Water Body	>100' feet	- Drainage Way	<u>></u> fe	•100' eet	Possible Wet Are	ea <u>>100'</u> _{feet}	
		Property Line	>50' feet	 Drinking Water V 	Vell j e	•100' eet	Other	feet	
4.	Parent Material:	Glacial Outwash		Unsuita	ble Materials	s Present	: 🗌 Yes	🛛 No	
	If Yes: Distur	bed Soil	Fill Material	Impervious Layer(s)		Weathered	d/Fractured Rock	Bedrock	
5.	Groundwater Observe	ed: 🛛 Yes	🗌 No	If yes:	36" Depth We	eping from	Pit <u>48</u> "	Standing Water in Hole	
	Estimated Dopth to U	etimeted Depth to Lligh Groundwater 28"							
	Estimated Depth to High Ground		inches	elevation					



C. On-Site Review (continued)

Deep Observation Hole Number:

518-10

Depth (in.)	Soil Horizon/	izon/ Soil Matrix: Color-	Redoximorphic Features (mottles)		Soil Texture	Coarse F % by \	ragments /olume	Soil	Soil	Other	
Depth (in.)	Layer	Moist (Munsell)	Depth	Color	Percent	(USDA)	Gravel	Cobbles & Stones	Structure	(Moist)	Other
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		



D. Determination of High Groundwater Elevation

1. Method Used:

Depth observed standing water i	a abaamiatian bala	A. 14"	В.
	1 observation noie	inches	inches
Depth weeping from side of obset	rvation hole	Α.	<u>B</u> .
		inches	inches
🕅 Dopth to soil redevimerphic featu	roc (mottloc)	Α.	B. 28"
	iles (motiles)	inches	inches
Groundwater adjustment (USCS	mathadalagy	Α.	В.
	methodology)	inches	inches
2.			
Index Well Number	Reading Date		Index Well Level
Adjustment Factor	Adjusted Groundwa	ter 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:

ndary: <u>36"</u> inches

Lower boundary:

96" inches



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

	Deep Observat	tion Hole Number:	518- 11	5/16/18 Date	10:00AM Time	Cloudy, 70's Weather		
1.	Location							
	Ground Elevation	on at Surface of Hole:		Location (identify or	n plan):	3		
~		Golf driving range			None		0-3%	
Ζ.	Land Use	(e.g., woodland, agricultural f	ield, vacant lot, etc.)		Surface Stones		Slope (%)	
	Lawn			Outwash Plain		(see plan)		
	Vegetation			Landform		Position on Landscape	e (attach sheet)	
3.	Distances from:	Open Water Body	>100' feet	- Drainage Way	>100' feet	- Possible Wet A	rea <u>>100'</u>	
		Property Line	>50' feet	- Drinking Water	Well <u>>100'</u>	- Other	feet	
4.	Parent Material	Glacial Outwash		Unsuita	able Materials Pres	sent: 🛛 🖂 Yes	🗌 No	
	If Yes:	Disturbed Soil	Fill Material	Impervious Layer(s)) 🗌 Weath	ered/Fractured Rock	Bedrock	
5.	Groundwater O	bserved: 🛛 Yes	🗌 No	If yes:	Depth Weeping	from Pit 26"	Standing Water in Hole	
	Estimated Dept	h to High Groundwater:	26" inches	elevation	1			



C. On-Site Review (continued)

Deep Observation Hole Number:

518-11

Depth (in.)	Soil Horizon/	zon/ Soil Matrix: Color- r Moist (Munsell)	Redoximorphic Features (mottles)			Soil Texture	Coarse Fragments % by Volume		Soil	Soil	Other
Depth (m.)	Layer		Depth	Color	Percent	(USDA)	Gravel	Cobbles & Stones	Structure	(Moist)	Other
0-26"	FILL										
26-84"	С	2.5Y5/4				MS	90%	10%	WEAK		



Commonwealth of Massachusetts

City/Town of Stow

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

C.	On-Site Revie	(continued)							
	Doop Observation	Holo Numberi	518-12	5/16/18	10:15AM	C	Cloudy,70's		
	Deep Observation	nole Number:		Date	Time	V	Veather		
1.	Location								
	Ground Elevation at	Surface of Hole:		Location (identify on	plan):	Lot 3			
C	Gol	f driving range			None	None		0-3%	
Ζ.	Land Use (e.g.	, woodland, agricultural fi	eld, vacant lot, etc.)		Surface Sto	nes		Slope (%)	
	Law	/n		Outwash Plain		(Se	ee sketch)		
	Vege	Vegetation				Po	sition on Landscape	e (attach sheet)	
3.	Distances from:	Open Water Body	>100' feet	 Drainage Way 	<u>></u> fe	100' et F	Possible Wet Are	ea <u>>100'</u>	
		Property Line	>50' feet	 Drinking Water V 	Vell <u>></u>	100' et C	Other	feet	
4.	Parent Material:	Glacial Outwash		Unsuitat	ole Materials	Present:	🗌 Yes	🛛 No	
	If Yes: Distu	Irbed Soil	Fill Material	Impervious Layer(s)		Neathered/I	Fractured Rock	Bedrock	
5.	Groundwater Obser	ved: 🛛 Yes	🗌 No	If yes:	Depth We	eping from Pi	it <u>25</u> "	Standing Water in Hole	
	Estimated Dapth to	25"	25"						
	Estimated Depth to High Groun	nigh Groundwaler.	inches	elevation					



C. On-Site Review (continued)

Deep Observation Hole Number:

518-12

Depth (in.)	Soil Horizon/	Soil Matrix: Color-	Redo	ximorphic Fe (mottles)	atures	Soil Texture	Coarse F % by V	ragments /olume	Soil	Soil	Other
Depth (In.)	Layer	Moist (Munsell)	Depth	Color	Percent	(USDA)	Gravel	Cobbles & Stones	Structure	(Moist)	Other
0-32"	FILL										
32-84"	С	2.5Y5/4				MS	90%	10%	WEAK		



D. Determination of High Groundwater Elevation

1. Method Used:

Depth observed standing water in	a bear ation hale	A. 26"	B. 25"	
	i observation noie	inches	inches	
Depth weeping from side of observations	rvation hole	Α.	<u>B</u> .	
	rvation note	inches	inches	
Depth to soil redevimerable feature	res (mottles)	Α.	<u>B</u> .	
	res (motiles)	inches	inches	
Croundwater adjustment (USCS	methodology)	Α.	В.	
	methodology)	inches	inches	
2.				
Index Well Number	Reading Date		Index Well Level	
Adjustment Factor	Adjusted Groundwa	ter 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:

dary: <u>32"</u> inches

Lower boundary:

84" inches



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

	Deep Observat	tion Hole Number:	518-13	5/16/18 Date	10:45AM Time	Cloudy, 70's Weather	
1.	Location						
	Ground Elevation	on at Surface of Hole:		Location (identify o	n plan):	3	
2		Golf driving range		None			0-3%
Ζ.	Land Use	(e.g., woodland, agricultural f	ield, 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' feet	- Drainage Way	>100' feet	- Possible Wet Ar	ea <u>>100'</u> feet
		Property Line	>50' feet	 Drinking Water 	Well $\frac{>100'}{\text{feet}}$	- Other	feet
4.	Parent Material:	Glacial Outwash		Unsuita	able Materials Pres	ent: 🛛 🛛 Yes	🗌 No
	If Yes:	Disturbed Soil	Fill Material	Impervious Layer(s) 🗌 Weath	ered/Fractured Rock	Bedrock
5.	Groundwater O	bserved: 🛛 Yes	🗌 No	If yes:	Depth Weeping f	rom Pit 24"	Standing Water in Hole
	Estimated Dept	h to High Groundwater:	24" inches	elevation	n		



C. On-Site Review (continued)

Deep Observation Hole Number:

518-13

Depth (in.)	Soil Horizon/	Soil Matrix: Color-	Redox	imorphic Fe (mottles)	eatures	Soil Texture	Coarse F % by \	ragments /olume	Soil	Soil	Other
Depth (in.)	Layer	Moist (Munsell)	Depth	Color	Percent	(USDA)	Gravel	Cobbles & Stones	Structure	(Moist)	
0-24"	FILL										
24-84"	С	2.5Y5/4				MS	90%	10%	WEAK		



Commonwealth of Massachusetts

City/Town of Stow

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

C.	On-Site Review	v (continued)						
	Deen Observation U		518-14	5/16/18	11:00AM		Cloudy,70's	
	Deep Observation H	iole Number:		Date	Time		Weather	
1.	Location							
	Ground Elevation at S	Surface of Hole:		Location (identify on	plan):	Lot 3		
2	Golf	driving range			None			0-3%
Ζ.	Land Use (e.g., woodland, agricultura		ld, vacant lot, etc.)		Surface Stor	nes		Slope (%)
	Lawr	1		Outwash Plain		(9	see sketch)	
	Vegeta	ation		Landform		P	osition on Landscape	e (attach sheet)
3.	Distances from:	Open Water Body	>100' feet	- Drainage Way	> fe	100' et	Possible Wet Are	ea <u>>100'</u> _{feet}
		Property Line	>50' feet	 Drinking Water \ 	Vell <u>></u>	100' et	Other	feet
4.	Parent Material:	Glacial Outwash		Unsuital	ole Materials	Present:	🗌 Yes	🛛 No
	If Yes: Distur	bed Soil 🛛 🗍 F	ill Material	Impervious Layer(s)	□ v	Veathered	I/Fractured Rock	Bedrock
5.	Groundwater Observed: 🛛 🕅 Yes		🗌 No	If yes:	Denth M/s		<u>24"</u>	Oten dia a Maten in Llala
					Depth Weeping from Pit Depth Stand		Standing water in Hole	
	Estimated Depth to H	ligh Groundwater:	<u>Z4</u>					
	•	-	Inches	elevation				



C. On-Site Review (continued)

Deep Observation Hole Number:

518-14

Depth (in.)	Soil Horizon/	Soil Matrix: Color-	Redo	ximorphic Fe (mottles)	atures	Soil Texture	Coarse F % by V	Fragments Volume	Soil	Soil	Other
Depth (in.)	Layer	Moist (Munsell)	Depth	Color	Percent	(USDA)	Gravel	Cobbles & Stones	Structure	(Moist)	Other
0-28"	FILL										
28-84"	С	2.5Y5/4				MS	90%	10%	WEAK		



D. Determination of High Groundwater Elevation

1. Method Used:

Depth observed standing water i	a abaamiatian hala	A. 24"	B. 24"	
	T Observation hole	inches	inches	
Depth weeping from side of observed	rvation hole	Α.	В.	
		inches	inches	
Depth to soil redevimorphic feat	ures (mottles)	Α.	В.	
	iles (motiles)	inches	inches	
Croundwater adjustment (USCS	methodology	Α.	В.	
	methodology)	inches	inches	
2.				
Index Well Number	Reading Date		Index Well Level	
Adjustment Factor	Adjusted Groundwa	ter 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:

ndary: <u>28</u>" inches

Lower boundary:

84" inches



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

	Deep Observat	tion Hole Number:	518-15	5/16/18 Date	11:15AM Time	Cloudy, 70's Weather	
1.	Location						
	Ground Elevation	on at Surface of Hole:		Location (identify o	n plan):	2	
S		Golf driving range		None			0-3%
Ζ.	Land Use	(e.g., woodland, agricultural f	ield, vacant lot, etc.)		Surface Stones		Slope (%)
		Lawn		Outwash Plain		(see plan)	
		Vegetation	<u> </u>	Landform		Position on Landscape	(attach sheet)
3.	Distances from:	Open Water Body	>100' feet	- Drainage Way	>100' feet	- Possible Wet Are	ea <u>>100'</u> feet
		Property Line	>50' feet	- Drinking Water	Well $\frac{>100'}{\text{feet}}$	- Other	feet
4.	Parent Material:	Glacial Outwash		Unsuita	able Materials Pres	ent: 🛛 Yes	🗌 No
	If Yes:	Disturbed Soil	Fill Material	Impervious Layer(s) 🗌 Weath	ered/Fractured Rock	Bedrock
5.	Groundwater O	bserved: 🛛 Yes	🗌 No	If yes:	Depth Weeping f	rom Pit 24"	Standing Water in Hole
	Estimated Dept	h to High Groundwater:	24" inches	elevation	1		



C. On-Site Review (continued)

Deep Observation Hole Number:

518-15

Depth (in.)	Soil Horizon/	Soil Matrix: Color-	Redox	imorphic Fe (mottles)	eatures	Soil Texture	Coarse F % by \	ragments /olume	Soil	Soil	Other
Depth (in.)	Layer	Moist (Munsell)	Depth	Color	Percent	(USDA)	Gravel	Cobbles & Stones	Structure	(Moist)	
0-18"	FILL										
18-84"	С	2.5Y5/4				MS	90%	10%	WEAK		



Commonwealth of Massachusetts

City/Town of Stow

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

C.	On-Site Review	v (continued)						
	Doop Observation H	olo Numbori	518-16	5/16/18	11:30AM	С	loudy,70's	
	Deep Observation H	ole Number:		Date	Time	W	eather	
1.	Location							
	Ground Elevation at S	Surface of Hole:		Location (identify on	plan):	Lot 2		
S	Golf o	driving range			None			0-3%
Ζ.	Land Use (e.g., v	voodland, agricultural fie	eld, vacant lot, etc.)		Surface Stor	nes		Slope (%)
	Lawn			Outwash Plain		(se	e sketch)	
	Vegeta	ation		Landform		Pos	ition on Landscape	e (attach sheet)
3.	Distances from:	Open Water Body	>100' feet	- Drainage Way	<u>></u> fe	100' et Po	ossible Wet Are	ea <u>>100'</u>
		Property Line	>50' feet	 Drinking Water V 	Well <u>></u>	100' et Of	ther	feet
4.	Parent Material:	Glacial Outwash		Unsuita	ble Materials	Present:	🗌 Yes	🛛 No
	If Yes: Disturb	bed Soil	Fill Material	Impervious Layer(s)	□ V	Veathered/F	ractured Rock	Bedrock
5	Croundwater Observ	di 🖂 Vaa		If you			24"	
Э .	. Groundwater Observed: 🛛 Yes		lei Observeu. 🖂 res 🗌 No		yes: Depth Weeping from Pit Depth Standing			Standing Water in Hole
Estimated Dopth to High Groundwater: 24"								
		ign Groundwaler.	inches	elevation				



C. On-Site Review (continued)

Deep Observation Hole Number:

518-16

Depth (in.)	Soil Horizon/	Soil Matrix: Color-	Redo	ximorphic Fe (mottles)	atures	Soil Texture	Coarse F % by V	ragments Volume	Soil	Soil	Other
Depth (in.)	Layer	Moist (Munsell)	Depth	Color	Percent	(USDA)	Gravel	Cobbles & Stones	Structure	(Moist)	other
0-8"	FILL										
8-84"	С	2.5Y5/4				MS	90%	10%	WEAK		



D. Determination of High Groundwater Elevation

1. Method Used:

Depth observed standing water i	a abaamiatian hala	A. 24"	B. 24"	
	T Observation hole	inches	inches	
Depth weeping from side of observed	rvation hole	Α.	В.	
		inches	inches	
Depth to soil redevimorphic feat	ures (mottles)	Α.	В.	
	iles (motiles)	inches	inches	
Croundwater adjustment (USCS	methodology	Α.	В.	
	methodology)	inches	inches	
2.				
Index Well Number	Reading Date		Index Well Level	
Adjustment Factor	Adjusted Groundwa	ter 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:

dary: <u>18"</u> inches

Lower boundary:

84" inches



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

	Deep Observat	tion Hole Number:	518-17	5/16/18 Date	11:45AM Time	Cloudy, 70's Weather	
1.	Location						
	Ground Elevation	on at Surface of Hole:		Location (identify o	on plan):	2	
S		Golf driving range			None		0-3%
Ζ.	Land Use	(e.g., woodland, agricultural f	ield, vacant lot, etc.)		Surface Stones		Slope (%)
		Lawn		Outwash Plain		(see plan)	
		Vegetation		Landform		Position on Landscar	be (attach sheet)
3.	Distances from:	Open Water Body	>100' feet	- Drainage Way	<u>>100'</u> feet	— Possible Wet A	Area <u>>100'</u>
		Property Line	>50' feet	 Drinking Water 	Well $\frac{>100'}{\text{feet}}$	- Other	feet
4.	Parent Material:	Glacial Outwash		Unsuit	able Materials Pre	sent: 🛛 🛛 Yes	🗌 No
	If Yes:	Disturbed Soil	Fill Material	Impervious Layer(s	s) 🗌 Weat	hered/Fractured Rock	Bedrock
5.	Groundwater O	bserved: 🛛 Yes	🗌 No	If yes:	Depth Weeping	from Pit 30"	Standing Water in Hole
	Estimated Dept	h to High Groundwater:	24" inches	elevation	n		



C. On-Site Review (continued)

Deep Observation Hole Number:

518-17

Depth (in.)	Soil Horizon/	on/ Soil Matrix: Color-	Redoximorphic Features (mottles)		Soil Texture	Coarse Fragments % by Volume		Soil	Soil	Other	
Depth (in.)	Layer	Moist (Munsell)	Depth	Color	Percent	(USDA)	Gravel	Cobbles & Stones	Structure	(Moist)	Other
0-20"	FILL										
20-84"	С	2.5Y5/4	24"	10YR5/8	>5%	MS	90%	10%	WEAK		



Commonwealth of Massachusetts

City/Town of Stow

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

C.	On-Site Revi	ew (continued)						
	Deen Observation	Hole Number:	518-18	5/16/18	12:00PM	Cloudy,7	0's	
	Deep Observation	nole Number.		Date	Time	Weather		
1.	Location							
	Ground Elevation a	t Surface of Hole:		Location (identify on	plan):	Lot 2		
2	Go Go	If driving range			None		0-3%	, o
Ζ.	Land Use (e.g	., woodland, agricultural f	ield, vacant lot, etc.)		Surface Stone	S	Slope	(%)
	Lav	wn		Outwash Plain		(see sketc	h)	
	Veg	jetation		Landform		Position on L	andscape (attacl	n sheet)
3.	Distances from:	Open Water Body	, <u>>100'</u> feet	- Drainage Way	>10 feet	00' Possible	Wet Area	>100' feet
		Property Line	>50' feet	 Drinking Water \ 	$Vell \qquad \frac{>10}{\text{feet}}$	00' Other		feet
4.	Parent Material:	Glacial Outwash		Unsuital	ole Materials F	Present:] Yes	🛛 No
	If Yes: Dist	urbed Soil	Fill Material	Impervious Layer(s)		eathered/Fractured	I Rock	Bedrock
5	Groundwater Obse	rved [.] 🕅 Yes		lf ves:			34"	
0.		Gloundwater Observed. 🖂 Tes		ii yoo.	Depth Weep	ing from Pit	Depth Standin	g Water in Hole
	Estimated Depth to	High Groundwater	24"					
		inches						



C. On-Site Review (continued)

Deep Observation Hole Number:

518-18

Depth (in.)	Soil Horizon/	Horizon/ Soil Matrix: Color-	Redoximorphic Features (mottles)		Soil Texture	Coarse Fragments % by Volume		Soil	Soil Consistence	Other	
Depth (in.)	Layer	Moist (Munsell)	Depth	Color	Percent	(USDA)	Gravel	Cobbles & Stones	Structure	(Moist)	other
0-20"	FILL										
20-84"	С	2.5Y5/4	24"	10YR5/8	>5%	MS	90%	10%	WEAK		



D. Determination of High Groundwater Elevation

1. Method Used:

Depth observed standing water	in charaction halo	Α.	В.	
	In observation note	inches	inches	
Depth weeping from side of ob	servation hole	Α.	<u> </u>	
		inches	inches	
Depth to soil redovimorphic fea	tures (mottles)	A. 24"	B. 24"	
		inches	inches	
Groundwater adjustment (USG	S methodology)	Α.	В.	
	S methodology)	inches	inches	
2.				
Index Well Number	Reading Date		Index Well Level	
Adjustment Factor	Adjusted Groundwa	ter 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:

ndary: <u>20"</u> inches

Lower boundary:

84" inches



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

	Deep Observat	tion Hole Number:	518-19	5/16/18 Date	12:15PM Time	Cloudy, 70's Weather	
1.	Location						
	Ground Elevation	on at Surface of Hole:		Location (identify o	n plan):	ot 1	
~		Golf driving range			None		0-3%
Ζ.	Land Use	(e.g., woodland, agricultural f	ield, vacant lot, etc.)		Surface Stones		Slope (%)
		Lawn		Outwash Plain		(see plan)	
		Vegetation		Landform		Position on Landscap	e (attach sheet)
3.	Distances from:	Open Water Body	, <u>>100'</u> feet	- Drainage Way	>100 feet	D' Possible Wet A	rea <u>>100'</u> feet
		Property Line	>50' feet	 Drinking Water 	Well $\frac{>100}{\text{feet}}$	0' Other	feet
4.	Parent Material:	Glacial Outwash		Unsuit	able Materials Pr	esent: 🛛 🛛 Yes	🗌 No
	If Yes:	Disturbed Soil	Fill Material	Impervious Layer(s	i) 🗌 Wea	athered/Fractured Rock	Bedrock
5.	Groundwater O	bserved: 🗌 Yes	🖂 No	If yes:	Depth Weepir	ng from Pit Depth	Standing Water in Hole
	Estimated Dept	h to High Groundwater:	62" inches	elevation	n		



C. On-Site Review (continued)

Deep Observation Hole Number:

518-19

Depth (in.)	Soil Horizon/	on/ Soil Matrix: Color-	Redoximorphic Features (mottles)		Soil Texture	Coarse Fragments % by Volume		Soil	Soil	Other	
Depth (in.)	Layer	Moist (Munsell)	Depth	Color	Percent	(USDA)	Gravel	Cobbles & Stones	Structure	(Moist)	other
0-22"	FILL										
22-96"	С	2.5Y5/4	62"	10YR5/8	>5%	MS	90%	10%	WEAK		



Commonwealth of Massachusetts

City/Town of Stow

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

C.	On-Site Reviev	w (continued)					
	Doop Obconvotion L	lolo Numbori	518-20	5/16/18	12:30PM	Cloudy,70's	
	Deep Observation r	iole number.		Date	Time	Weather	
1.	Location						
	Ground Elevation at	Surface of Hole:		Location (identify on	plan):		
2	Golf	driving range			None		0-3%
Ζ.	Land Use (e.g.,	woodland, agricultural fi	eld, vacant lot, etc.)		Surface Stones		Slope (%)
	Lawr	ו		Outwash Plain		(see sketch)	
	Veget	ation		Landform		Position on Landscap	e (attach sheet)
3.	Distances from:	Open Water Body	>100' feet	 Drainage Way ^{>100'} _{feet} 		Possible Wet Ar	rea <u>>100'</u> feet
		Property Line	<u>>50'</u> feet	 Drinking Water \ 	$Vell \qquad \frac{>100'}{feet}$	Other	feet
4.	Parent Material:	Glacial Outwash		Unsuital	ole Materials Prese	ent: 🗌 Yes	🛛 No
	If Yes: 🛛 Distur	bed Soil	Fill Material	Impervious Layer(s)	U Weathe	ered/Fractured Rock	Bedrock
5.	Groundwater Observ	ed: 🗌 Yes	🖂 No	If yes:	Depth Weeping fr	rom Pit Depth	Standing Water in Hole
	Estimated Depth to H	ligh Groundwater	64"				
		ign Groundwater.	inches	elevation			



C. On-Site Review (continued)

Deep Observation Hole Number:

518-20

Denth (in)	Soil Horizon/	Horizon/ Soil Matrix: Color-	Redoximorphic Features (mottles)		Soil Texture	Coarse Fragments % by Volume		Soil	Soil	Other	
Depth (in.)	Layer	Moist (Munsell)	Depth	Color	Percent	(USDA)	Gravel	Cobbles & Stones	Structure	(Moist)	Other
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		



D. Determination of High Groundwater Elevation

1. Method Used:

Depth observed standing water	r in chaonyotion halo	Α.	В.	
	In observation note	inches	inches	
Depth weeping from side of ob-	servation hole	<u>A</u> .	В.	
Depth to soil redoximorphic features (mottles)		inches	inches	
		A. 62"	B. 64"	
		inches	inches	
Croundwater adjustment (USC	S methodology)	<u>A</u> .	В.	
	S methodology)	inches	inches	
2.				
Index Well Number	Reading Date		Index Well Level	
Adjustment Factor	Adjusted Groundwa	ter 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:

dary: <u>22</u>"

Lower boundary:

96" inches



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

	Deep Observat	tion Hole Number:	518-21	5/16/18 Date	12:45PM Time	Cloudy, 70's Weather	
1.	Location						
	Ground Elevation	on at Surface of Hole:		Location (identify or	n plan):	l	
~		Golf driving range			None		0-3%
Ζ.	Land Use	(e.g., woodland, agricultural f	ield, vacant lot, etc.)		Surface Stones		Slope (%)
		Lawn		Outwash Plain		(see plan)	
		Vegetation		Landform		Position on Landscape	e (attach sheet)
3.	Distances from:	Open Water Body	>100' feet	- Drainage Way	>100' feet	Possible Wet Ar	ea <u>>100'</u>
		Property Line	>50' feet	- Drinking Water	Well <u>>100'</u>	Other	feet
4.	Parent Material:	Glacial Outwash		Unsuita	able Materials Prese	ent: 🛛 Yes	🗌 No
	If Yes:	Disturbed Soil	Fill Material	Impervious Layer(s)) 🗌 Weathe	ered/Fractured Rock	Bedrock
5.	Groundwater O	bserved: 🛛 Yes	🗌 No	If yes:	Depth Weeping fr	om Pit	Standing Water in Hole
	Estimated Dept	h to High Groundwater:	52" inches	elevation	I		



C. On-Site Review (continued)

Deep Observation Hole Number:

518-21

Depth (in.)	Soil Horizon/	Horizon/ Soil Matrix: Color-	Redoximorphic Features (mottles)		Soil Texture	Coarse Fragments % by Volume		Soil	Soil Consistence	Other	
Depth (m.)	Layer	Moist (Munsell)	Depth	Color	Percent	(USDA)	Gravel	Cobbles & Stones	Structure	(Moist)	Childr
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		



Commonwealth of Massachusetts

City/Town of Stow

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

C. On-Site Review	(continued)
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	Deep Observat	ion Hole Number:	518-22	5/16/18 Date	1:00PM Time	Cloudy,70's Weather	
1.	Location						
	Ground Elevation	on at Surface of Hole:		Location (identify on p	blan): Lot 1		
~		Golf driving range			None		0-3%
Ζ.	Land Use	(e.g., woodland, agricultural f	ield, 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' feet	 Drainage Way 	>100' feet	Possible Wet Area	a <u>>100'</u> feet
		Property Line	>50' feet	 Drinking Water W 	$\frac{>100'}{\text{feet}}$	Other	feet
4.	Parent Material:	Glacial Outwash		Unsuitabl	e Materials Prese	nt: 🗌 Yes	🛛 No
	If Yes:	Disturbed Soil	Fill Material	Impervious Layer(s)	U Weathe	red/Fractured Rock	Bedrock
5.	Groundwater Ol	bserved: 🛛 Yes	🗌 No	If yes:	Depth Weeping fro	om Pit 92" Depth S	tanding Water in Hole
	Estimated Dept	h to High Groundwater:	52" inches	elevation			



C. On-Site Review (continued)

Deep Observation Hole Number:

518-22

Donth (in)	Soil Horizon/	Soil Matrix: Color-	Redo	ximorphic Fe (mottles)	atures	Soil Texture	Coarse F % by V	ragments /olume	Soil	Soil	Other
Depth (in.)	Layer	Moist (Munsell)	Depth	Color	Percent	(USDA) Gravel		Cobbles & Stones	es & Structure	(Moist)	Other
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		



D. Determination of High Groundwater Elevation

1. Method Used:

	Depth charged standing water in charge	votion hole	Α.		В.	
		vation note	inches		inches	
	Depth weeping from side of observation	hole	Α.		В.	
		noie	inches		inches	
	Depth to soil redovimorphic features (m	ottles)	A. 52"		B. 52"	
		1011165)	inches		inches	
	Groundwater adjustment (USCS metho	dology)	<u>A</u> .		В.	
		uulugy)	inches		inches	
2.						
	Index Well Number	Reading Date		Index Well I	_evel	
	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:

ndary: <u>18"</u> inches

Lower boundary:

96" inches



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

5/16/18	
Date	
July 1995	
Date of Soil Evaluator Exam	
Nashoba Associated Boards of Health	
Board of Health	

Name of Board of Health Witness

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 <u>Percolation Test Form 12</u>.



Field Diagrams



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Form 11 – Soil Suitability Assessment for On-Site Sewage Disposal • Page 8 of 8



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

Owner Name		
258 Andover Street		
Street Address or Lot #		
Georgetown	MA	01883
City/Town	State	Zip Code
Peter Brown	(617) 962-1023	
Contact Person (if different from Owner)	Telephone Number	

	8/3/18	10:30AM	8/3/18	10:30AM
	Date	Time	Date	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 satura	ate	Could not satur	ate
Time at 9"				
Time at 6"				
Time (9"-6")				
Rate (Min./Inch)	<2 MPI		<2 MPI	
	Test Passed:	\square	Test Passed: Test Failed [:]	\square
Scott Haves, PE, FORESITE Engi	neerina		rest ranea.	
Test Performed By:				
Kalene Gendron, NABH				
Witnessed By:				
Comments:				





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A. Site Information

Stow Holdings LLC		
258 Andover Street		
Street Address or Lot #		
Georgetown	MA	01883
City/Town	State	Zip Code
Peter Brown	(617) 962-1023	
Contact Person (if different from Owner)	Telephone Number	

	8/3/18	10:40AM	8/3/18	10:40AM
	Date	Time	Date	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 satura	ate	Could not satur	ate
Time at 9"				
Time at 6"				
Time (9"-6")				
Rate (Min./Inch)	<2 MPI		<2 MPI	
	Test Passed: Test Failed:	\square	Test Passed: Test Failed:	\square
Scott Hayes, PE, FORESITE Engi	neering			
Test Performed By:				
Kalene Gendron, NABH				
Witnessed By:				
Comments:				





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A. Site Information

Owner Name		
258 Andover Street		
Street Address or Lot #		
Georgetown	MA	01883
City/Town	State	Zip Code
Peter Brown	(617) 962-1023	
Contact Person (if different from Owner)	Telephone Number	

	8/3/18	11:00AM	8/3/18	11:10AM
	Date	Time	Date	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 satura	ate	Could not satura	ate
Time at 9"				
Time at 6"				
Time (9"-6")				
Rate (Min./Inch)	<2 MPI		<2 MPI	
	Test Passed: Test Failed [:]	\square	Test Passed: Test Failed [:]	\square
Scott Haves, PE, FORESITE Engi	neerina		root ranoa.	
Test Performed By:				
Kalene Gendron, NABH				
Witnessed By:				
Comments:				





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A. Site Information

Owner Name		
258 Andover Street		
Street Address or Lot #		
Georgetown	MA	01883
City/Town	State	Zip Code
Peter Brown	(617) 962-1023	
Contact Person (if different from Owner)	Telephone Number	

	8/3/18	11:15AM	8/3/18	11:15AM			
	Date	Time	Date	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 Failed:	\square	Test Passed: Test Failed:	\square			
Scott Hayes, PE, FORESITE Engineering							
Test Performed By:							
Kalene Gendron, NABH							
Witnessed By:							
Comments:							





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A. Site Information

Owner Name			
258 Andover Street			
Street Address or Lot #			
Georgetown	MA	01883	
City/Town	State	Zip Code	
Peter Brown	(617) 962-1023		
Contact Person (if different from Owner)	Telephone Number		

	8/3/18	11:30AM	8/3/18	11:40AM			
	Date	Time	Date	Time			
Observation Hole #	PT-818I		PT-818J				
Depth of Perc	54"		60"				
Start Pre-Soak	11:32		11:40				
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 Failed:	\square	Test Passed: Test Failed:	\square			
Scott Hayes, PE, FORESITE Engineering							
Kalene Gendron NABH							
Witnessed By:							
Comments:							

