

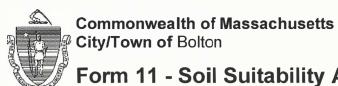
Commonwealth of Massachusetts City/Town of Bolton

A.	. Facility Information					
	James Morin					
	Owner Name					
	Mallard Lane		2c/15.1			
	Street Address		Map/Lot #			
	Bolton	MA	01740			
	City	State	Zip Code			
В.	. Site Information					
1.	(Check one) New Construction	☐ Upgrade				
2.	Soil Survey Web Soil Survey	Pits, Gravel			r County Northe	eastern Part
	Source	Soil Map Unit		Soil Series		
	Base Slope	None				
	Landform	Soil Limitations				
	Loose Sandy and Gravelly Glaciofluvial De	posits				
	Soil Parent material					
3.	Surficial Geological Report Version	16, Sept 3,2021		600		
		ished/Source		Map Unit		
1.	Pits, Gravel					
	Description of Geologic Map Unit:					
5.		regulatory floodway?	es 🛛 No			
	·	No				
3 .	Within a velocity zone? ☐ Yes ☐	NO				
	Within a Mapped Wetland Area?	s 🛛 No	If yes, MassGIS Wetland Data	Layer:		
	• •	_	_		Wetland Type	
7.	Current Water Resource Conditions (USGS	6): 4/8/2022 Month/Day/ Year	Range: Abov	ve Normal	Normal No	☐ Below Normal
8.	Other references reviewed: (Zone II, IWPA, Zone A, EEA Data Portal, etc.)	USGS maps				



Commonwealth of Massachusetts City/Town of Bolton

Deep	Observation	Hole Numb	er: <u>TH-5</u> Hole #	4/8/20 Date		10:00 A.M. Time		SUNNY 60 F Veather		42 24' 24" Latitude	71 36' 78' Longitude
Lond	Use <u>Vacan</u>	t I ot	Tiole "	Date	grass	Time	None			Latitude	3%
. Land	(e.g., wo	odland, agriculti	ural field, vacant lot, e	etc.)	Vegetation				cobbles, sto	ones, boulders, e	
Descriptio	on of Location	: <u>O</u> p	oen M eadow Lot#0 So	outh Bolto	n Road						
2. Soil F	Parent Materia	al: Sand				slope		BS 48			
					Landfo	rm		Position on	Landscape	(SU, SH, BS, FS	, TS, Plain)
3. Dista	nces from:	Oper	n Water Body	>100 fee	t	Drainag	e Way _{₂≥}	100 feet		Wetlar	nds <u>>100</u> feet
			Property Line >	>10 feet	С	rinking Wate	er Well >	·100 feet		Oth	ner feet
						_		=======================================			
I. Unsu	itable Materia	als Present:	☐ Yes ☒ No	If Yes:	☐ Disturbed So	il/Fill Material] Weathered/	Fractured	Rock 🗌 Be	edrock
		. 🗆			.,						
5. Groui	ndwater Obse	erved: Yes	S ⊠ No		If yes:	Depth	to Weeping	in Hole		Depth to St	anding Water in Hole
					C						
					30	oil Log					
Depth (in)	Soil Horizon		Soil Matrix: Color-		Redoximorphic Fea			Fragments Volume	Soil	Soil Consistence	Other
Depth (in)	Soil Horizon /Layer	Soil Texture (USDA	Soil Matrix: Color- Moist (Munsell)	Depth					Soil Structure	Soil Consistence (Moist)	Other
	/Layer	(USDA	Moist (Munsell)		Redoximorphic Fea	tures	% by	Volume Cobbles &		Consistence	Other
Depth (in) 0-6"					Redoximorphic Fea	tures	% by	Volume Cobbles &		Consistence	Other
0-6"	/Layer	SL	Moist (Munsell)		Redoximorphic Fea	tures	% by	Volume Cobbles &		Consistence	Other
	/Layer	(USDA	Moist (Munsell)		Color Cnc: Dpl:	tures	% by	Volume Cobbles &		Consistence	Other
0-6"	/Layer A B	SL SL	Moist (Munsell) 10YR2/2 7.5 YR5/6		Color Cnc: Dpl: Cnc: Dpl: Cnc: Dpl: Cnc: Dpl:	tures	% by	Volume Cobbles &		Consistence	Other
0-6"	/Layer	SL	Moist (Munsell)		Color Cnc: Dpl: Cnc: Dpl: Cnc: Dpl: Cnc: Dpl: Cnc: Dpl:	tures	% by	Volume Cobbles &		Consistence	Other
0-6"	/Layer A B	SL SL	Moist (Munsell) 10YR2/2 7.5 YR5/6		Color Cnc: Dpl: Cnc: Dpl: Cnc: Dpl: Cnc: Dpl: Cnc: Cnc:	tures	% by	Volume Cobbles &		Consistence	Other
0-6"	/Layer A B	SL SL	Moist (Munsell) 10YR2/2 7.5 YR5/6		Color Cnc: Dpl:	tures	% by	Volume Cobbles &		Consistence	Other
0-6"	/Layer A B	SL SL	Moist (Munsell) 10YR2/2 7.5 YR5/6		Color Cnc: Dpl: Cnc:	tures	% by	Volume Cobbles &		Consistence	Other
0-6"	/Layer A B	SL SL	Moist (Munsell) 10YR2/2 7.5 YR5/6		Color Cnc: Dpl:	tures	% by	Volume Cobbles &		Consistence	Other
0-6"	/Layer A B	SL SL	Moist (Munsell) 10YR2/2 7.5 YR5/6		Color Cnc: Dpl: Cnc:	tures	% by	Volume Cobbles &		Consistence	Other



C. On-	Site Revi	iew (minim	um of two hole	es requ	ired at every p	roposed p	orimary	and resen	ve dispo	sal area)									
Deep	Observatio	n Hole Numb	er: <u>TH-6</u> Hole #	34/8/2 Date		10:00 A.M.		Sunny 60F Veather		42 24'24" Latitude									
1. Land		cant Lot	cultural field, vacant lo		g ræs		None		cobbles sto	nes, boulders, etc.	3%								
Descr	iption of Loca		Open Meadow Lot		•		Juliaci	e otories (e.g.,	CODDIES, STO	nes, boulders, etc.	— Slope (70)								
2. Soil P	arent Materia	al: Sand			Back Landfo			BS Position on	Landscane	(SU, SH, BS, FS, T	S Plain)								
3. Distar	ices from:	Oper	n Water Body _≥	100 feet			e Way _≥	100' feet	Lanuscape		s >100' feet								
		i	Property Line ≥	10 feet	D	rinking Wate	er Well 🎅	·100 feet		Othe	rfeet								
4. Unsuita	ble Materials	s Present:	Yes ⊠ No I	f Yes:	Disturbed Soil/F	ill Material		Neathered/Fr	actured Ro	ck 🗌 Bedroc	<								
5. Groun	dwater Obse	erved: Yes	⊠ No			f yes:	_ Depth to	Weeping in Ho	ole _	Depth Stand	ding Water in Hole								
Double (in)	Soil Horizon	Soil Texture	Soil Texture	Soil Texture	Soil Texture	Soil Texture	Soil Texture	Soil Texture	orizon Soil Texture	Soil Texture	Soil Matrix: Color-	Redoximorphic Feature				Fragments y Volume	Soil	Soil	Other
Depth (in)	/Layer	(USDA)	Moist (Munsell)	Depth	Color	Percent	Gravel	Cobbles & Stones	Structure	Consistence (Moist)	Other								
0-9"	А	SL	10 YR2/2	1	Cnc : Dpl:														
9-24"	В	SL	7.5YR5/4	1	Cnc: Dpl:														
18-156"	С	SAND	7.5YR5/4		Cnc:														
				1	Cnc: Dpl:														
				l)	Cnc : Dpl:														
				ļ	Cnc :														
Δdditi	onal Notes:	:			- r ··	-		-	h										



Commonwealth of Massachusetts City/Town of Bolton

Deep	Observation	n Hole Numb	er: <u>TH-7</u>	4/8/20		10:00 A.M.		SUNNY 60 F		42 24' 24"	<u>71 36' 78"</u>
			Hole #	Date		Time	V	Veather		Latitude	Longitude
. Land	Use Vacan	t Lot			mixed hard woo	d	None				3%
	(e.g., wo	odland, agriculti	ural field, vacant lot, e		Vegetation		Surfac	e Stones (e.g.,	cobbles, sto	ones, boulders, e	tc.) Slope (%)
escriptio	on of Location	: Or	en Meadow Lot#0 So	outh Boltor	Road						
Soil F	Parent Materia	al: Sand			Back	slope		BS			
					Landfor				Landscape ((SU, SH, BS, FS,	TS, Plain)
. Dista	nces from:	Oper	n Water Body	>100 feet	t	Drainag	e Way ≥	·100 feet		Wetlan	ids <u>>100</u> feet
		_			_					•	
		-	Property Line	>10 feet	D	rinking Wate	er Well \geq	50 feet		Oth	er feet
Unsu	itable Materi	als Present	☐ Yes ⊠ No	If Yes	☐ Disturbed So	il/Fill Material	Г] Weathered/	Fractured	Rock Be	drock
. 01100	nable materi	alo i rocciri.		11 100.		iin iii ivatoriai	_	, would lot out	radiarda		ar o o n
Groun	ndwater Obse	rved □ Yes	⊠ No		If ves:	Depth	to Weeping	in Hole		Depth to Sta	anding Water in Hole
. 0.00	amater epoc				,					= = = = = = = = = = = = = = = = =	and and an area
					0-						
			1		Sc	oil Log					
Depth (in)	Soil Horizon	Soil Texture	Soil Matrix: Color-		Sc Redoximorphic Feat			Fragments / Volume	Soil	Soil Consistence	Other
)epth (in)	Soil Horizon /Layer	Soil Texture (USDA	Soil Matrix: Color- Moist (Munsell)	Depth					Soil Structure		Other
	/Layer	(USDA	Moist (Munsell)		Redoximorphic Feat	tures	% by	Volume Cobbles &		Consistence	Other
Depth (in)					Redoximorphic Feat	tures	% by	Volume Cobbles &		Consistence	Other
0-6"	/Layer	SL	Moist (Munsell)		Redoximorphic Feat Color Cnc :	tures	% by	Volume Cobbles &		Consistence	Other
	/Layer	(USDA	Moist (Munsell)		Color Cnc: Dpl:	tures	% by	Volume Cobbles &		Consistence	Other
0-6"	/Layer A B	SL SL	Moist (Munsell) 10YR2/2 7.5 YR5/6		Color Cnc: Dpl: Cnc:	tures	% by	Volume Cobbles &		Consistence	Other
	/Layer	SL	Moist (Munsell)		Color Cnc: Dpl: Cnc: Dpl:	tures	% by	Volume Cobbles &		Consistence	Other
0-6"	/Layer A B	SL SL	Moist (Munsell) 10YR2/2 7.5 YR5/6	Depth	Color Cnc: Dpl: Cnc: Dpl: Cnc: Dpl: Cnc: Dpl: Cnc: Dpl: Cnc: Cnc:	tures	% by	Volume Cobbles &		Consistence	Other
0-6"	/Layer A B	SL SL	Moist (Munsell) 10YR2/2 7.5 YR5/6	Depth	Color Cnc: Dpl:	tures	% by	Volume Cobbles &		Consistence	Other
0-6"	/Layer A B	SL SL	Moist (Munsell) 10YR2/2 7.5 YR5/6	Depth	Color Cnc: Dpl: Cnc: Dpl: Cnc: Dpl: Cnc: Dpl: Cnc: Dpl: Cnc: Cnc:	tures	% by	Volume Cobbles &		Consistence	Other
0-6"	/Layer A B	SL SL	Moist (Munsell) 10YR2/2 7.5 YR5/6	Depth	Color Cnc: Dpl: Cnc:	tures	% by	Volume Cobbles &		Consistence	Other
0-6"	/Layer A B	SL SL	Moist (Munsell) 10YR2/2 7.5 YR5/6	Depth	Color Cnc: Dpl: Cnc:	tures	% by	Volume Cobbles &		Consistence	Other



Commonwealth of Massachusetts City/Town of Bolton

Door	Observati	an Hala Numb	or TU 0	410100	າດດ	10:00 A M	6	Supply GOE		42 24'24"	71 36' 78"
реер	Observati	on Hole Numb	Hole #	4/8/20 Date	022	10:00 A.M. Time		Sunny 60F Veather		Latitude	Longitude
Land	Hee. W	acant Lot	11010 #	Date	grass	Time	None			Latitude	3%
Lanu			cultural field, vacant lo	ot. etc.)					cobbles, sto	nes, boulders, etc	
Door	ription of Lo	-	Open area in prpop	•	•	Bolton Road	0000	o otomoo (o.g.,		, 20, 310	.,
Desc	ription of Lt	Callon.									_
Soil F	arent Mate	rial: Sand			Bac	k Slope		BS			
					Land	form		Position on	Landscape	(SU, SH, BS, FS,	TS, Plain)
Dista	nces from:	Ope	n Water Body >	100 feet		Drainag	e Way <u>></u>	100' feet		Wetlan	ds <u>>100'</u> feet
			•				• 70				
			Property Line ≥	•10 feet		Drinking Water	er Well \geq	100 feet		Oth	er feet
Linguit	abla Matari	do Drogont:	Vac M Na I	14 Vaa.	Distructed Cal	III Matarial		۸/- ماله م سام ما / ۳ -	antimad Da	ale 🗆 Dadua	-1.
Unsult	able Materia	iis Present	Yes ⊠ No I	ir yes: [Disturbed Sol	II/FIII Materiai	L ∨	/Veathered/Fr	actured Ro	ck Bedro	CK
		_	_								
Grou	ndwater Ob	served: Yes	No No			If yes:	_ Depth to	Weeping in Ho	ole _	Depth Star	nding Water in Hole
Grou	ndwater Ob	served: Yes	S ⊠ No				_ Depth to	Weeping in Ho	le _	Depth Star	nding Water in Hole
Grou	ndwater Ob	served: Yes	s ⊠ No			Soil Log	Vi		ole _		nding Water in Hole
	Soil Horiza	n Soil Texture	Soil Matrix: Color-		Redoximorphic F	Soil Log	Coarse	Weeping in Ho Fragments y Volume	Soil	Soil	
_	Soil Horiza		1	Depth		Soil Log	Coarse	e Fragments y Volume Cobbles &			oding Water in Hole Other
epth (in	Soil Horizo	Soil Texture (USDA)	Soil Matrix: Color- Moist (Munsell)		Redoximorphic F	Soil Log	Coarse % by	e Fragments y Volume	Soil	Soil Consistence	
epth (in	Soil Horize	n Soil Texture	Soil Matrix: Color-		Redoximorphic F	Soil Log	Coarse % by	e Fragments y Volume Cobbles &	Soil	Soil Consistence	
epth (in	Soil Horizo	Soil Texture (USDA)	Soil Matrix: Color- Moist (Munsell)		Redoximorphic F Color Cnc:	Soil Log	Coarse % by	e Fragments y Volume Cobbles &	Soil	Soil Consistence	
epth (in	Soil Horizo	Soil Texture (USDA)	Soil Matrix: Color- Moist (Munsell)		Redoximorphic F Color Cnc: Dpl:	Soil Log	Coarse % by	e Fragments y Volume Cobbles &	Soil	Soil Consistence	
epth (in	Soil Horizo	Soil Texture (USDA)	Soil Matrix: Color- Moist (Munsell)		Color Cnc: Dpl: Cnc:	Soil Log	Coarse % by	e Fragments y Volume Cobbles &	Soil	Soil Consistence	
epth (in	Soil Horizo	Soil Texture (USDA)	Soil Matrix: Color- Moist (Munsell)		Redoximorphic F Color Cnc: Dpl: Cnc: Dpl: Dpl:	Soil Log	Coarse % by	e Fragments y Volume Cobbles &	Soil	Soil Consistence	
epth (in	Soil Horizo	Soil Texture (USDA)	Soil Matrix: Color- Moist (Munsell)		Redoximorphic F Color Cnc: Dpl: Cnc: Dpl: Cnc: Dpl: Cnc:	Soil Log	Coarse % by	e Fragments y Volume Cobbles &	Soil	Soil Consistence	
epth (in	Soil Horizo	Soil Texture (USDA)	Soil Matrix: Color- Moist (Munsell)	Depth	Redoximorphic F Color Cnc: Dpl: Cnc: Dpl: Cnc: Dpl: Cnc: Dpl: Dpl: Dpl:	Soil Log	Coarse % by	e Fragments y Volume Cobbles &	Soil	Soil Consistence	
epth (in	Soil Horizo	Soil Texture (USDA)	Soil Matrix: Color- Moist (Munsell)	Depth	Redoximorphic F Color Cnc: Dpl: Cnc: Dpl: Cnc: Dpl: Cnc: Cnc: Cnc: Cnc:	Soil Log	Coarse % by	e Fragments y Volume Cobbles &	Soil	Soil Consistence	
epth (in	Soil Horizo	Soil Texture (USDA)	Soil Matrix: Color- Moist (Munsell)	Depth	Redoximorphic F Color Cnc: Dpl: Cnc: Dpl: Cnc: Dpl: Cnc: Dpl: Cnc: Dpl: Dpl: Cnc: Dpl:	Soil Log	Coarse % by	e Fragments y Volume Cobbles &	Soil	Soil Consistence	
Grou	Soil Horizo	Soil Texture (USDA)	Soil Matrix: Color- Moist (Munsell)	Depth	Redoximorphic F Color Cnc: Dpl: Cnc: Dpl: Cnc: Dpl: Cnc: Dpl: Cnc: Dpl: Cnc: Dpl: Cnc:	Soil Log	Coarse % by	e Fragments y Volume Cobbles &	Soil	Soil Consistence	



Commonwealth of Massachusetts Gity/Town of Bolton

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

D. Determination of High Groundwater Elevation

1.	Method Used (Choose one):		Obs. Hole <u>#TH-5</u>	С	bs. Hole #				
	□ Depth to soil redoximorphic features		<u>144</u> inches		inches				
	□ Depth to observed standing water in observation	on hole	144 inches	-	inches				
	☐ Depth to adjusted seasonal high groundwater (USGS methodology)	(S _h)	inches		inches				
	Index Well Number	Reading Date							
	$S_h = S_c - [S_r x (OW_c - OW_{max})/OW_r]$								
	Obs. Hole/Well# Sc	S _r	OWc	OW _{max}	OW _r	Sh	x		
E.	Depth of Pervious Material								
1.	Depth of Naturally Occurring Pervious Material								
	a. Does at least four feet of naturally occurring pe	ervious material exis	t in all areas observed	throughout	t the area proposed for the	soil absorp	tion system?		
	b. If yes, at what depth was it observed (exclude O	, A, and E Horizons)?	Upper boundary:		Lower bounda	ary:	144"		
	c. If no, at what depth was impervious material o	bserved?	Upper boundary:	inches	Lower bounda	ary:	inches		



Commonwealth of Massachusetts City/Town of Bolton

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

	4/15/2022	
Signature of Soil Evaluator	Date	
James Morin \) #12907	6/30/2024	
Typed or Printed Name of Soil Evaluator / License #	Expiration Date of License	
Name of Approxing Authority Mitness	Approving Authority	

Note: In accordance with 310 CMR 15.018(2) this form must be submitted to the approving authority within 60 days of the date of field testing, and to the designer and the property owner with Percolation Test Form 12.

