

City/Town of Sudbury

Α.	Facility Information			
	Town of Sudbury			
	Owner Name			
	Ti-Sales Field Hudson Road		G09 -20	00
	Street Address		Map/Lot a	<u>.</u>
	Sudbury		MA 01776	
	City		State Zip Code	
В.	Site Information	- Allegraphy		
1.	(Check one) New Construction	Upgrade	Repair	
2.	Soil Survey Available?	☐ No	If yes: Sudbury GIS Source	256 A Soil Map Unit
	Deerfield Loamy Sand			
	Soil Name		Soil Limitations	
	Glacial Outwash		Outwash Plain	
	Geologic/Parent Material		Landform	
3.	Surficial Geological Report Available? Yes	⊠ No	If yes: Year Published/Source Publication	on Scale Map Unit
4.	Flood Rate Insurance Map			
	Above the 500-year flood boundary? X Yes If Yes, continue to #5.	☐ No	Within the 100-year flood boundary? \(\text{Y} \)	es 🗌 No
5.	Within a velocity zone?	⊠ No		e de la companya de
6.	Within a Mapped Wetland Area?	⊠ No	MassGIS Wetland Data Layer: Wetl	and Type
7.	Current Water Resource Conditions (USGS):	July 2016 Month/Year	Range: Above Normal Normal	⊠ Below Normal
8.	Other references reviewed: USGS Groun	ndwater Information		
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C.	On-Site Re	eview (minimum of	two holes req	uired at every pro _l	posed prin	nary and reserve disposa	l area)
	Deep Observat	tion Hole Number:	DTHA-1		8 AM	Sunny	
				Date	Time	Weather	
1.	Location						
	Ground Elevation	on at Surface of Hole:	N/A feet	Latitu	de/Longitude	e: <u>/</u>	
	Description of L	ocation: Open F	eld behind Ti-Sa	les			
2.	Land Use	Athletic Recreational F	ield		None		<1
		(e.g., woodland, agricultural	field, vacant lot, etc.)	•	Surface Stones	(e.g., cobbles, stones, boulders, etc.) Slope (%)
		Grass		Outwash Plain		Open Space	
		Vegetation		Landform		Position on Landscape (SU, SH, BS	S, FS, TS)
3.	Distances from:	Open Water Bod	y <u>>100</u>	Drainage Way	>50	Wetlands	>100
			feet		feet		feet
		Property Line	10 feet	Drinking Water V		Other Other	
			feet		feet		feet
4.	Parent Material	Glacial Outwash		Unsuital	ble Materials	Present: Yes	☐ No
	If Yes:	Disturbed Soil ⊠	Fill Material [☐ Impervious Layer(s)	□ \	Weathered/Fractured Rock [Bedrock
5.	Groundwater O	bserved: 🛛 Yes	☐ No	If yes:	105"	108"	
					Depth We	eping from Pit Depth Stan	ding Water in Hole
	Estimated Dept	h to High Groundwater:					
			inches	elevation		•	



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

C.	On-Site	Review ((continued))
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Deep Observation Hole Number:

DTH A-1

Depth (in.)	Soil Horizon	Soil Matrix: Color-	Redoximorphic Features		Soil Texture	Coarse Fragments % by Volume			Soil	Other	
Depth (in.)	Layer	Moist (Munsell)	Depth	Color	Percent	(USDA)	Gravel	Cobbles & Stones	:	Consistence (Moist)	Other
0-12	1C1	-				Fill/Loam					
12-24	1C2	1				Fill/Med.Sand					
24-38	А	2.5 Y 3/2				L.Sand	2	<1	Massive	Moist	
38-48	В	2.5 Y 6/8				L.Sand	2	<1	Loose	Moist	
48-120	С	2.5 Y 6/6	78"	10YR5/8	>10	Sand Medium	5	<1	Loose	Dry	Weep H20 105"
				,							Standing H20 108"

Additional Notes:	



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C.	On-Site Review (continued)		***************************************		
	Deep Observation Hole Number:	Date T	ime	Weather	
1.	Location				
	Ground Elevation at Surface of Hole: feet	Latitude/Lon	ngitude:	1	
2.	Land Use (e.g., woodland, agricultural field, vacant lot, etc.) Sun	rface Stones (e.g., cobb	oles, stones, boulders, etc	Slope (%)
	Vegetation	Landform		Position on Landscape (SU, SH, BS, FS,
3.	Distances from: Open Water Body	Drainage Way		Wetlands	
	feet Property Line	Drinking Water We	feet ell	Other	feet
4.	Parent Material:	Unsuitable	feet Materials Present	: 🗌 Yes	feet No
	If Yes:	☐ Impervious Layer(s)	☐ Weathered	d/Fractured Rock [Bedrock
5.	Groundwater Observed: Yes No	If yes:			
	Estimated Depth to High Groundwater:		Depth Weeping from	Pit Depth Stan	ding Water in Hole
	inches	elevation			



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

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Additio	nal Notes:										



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D . 1	De	etermination o	f High Groເ	ındwater Elev	ation	(400)	William South	WMM	
1. i	Vle	ethod Used:			Obs. Hole#			Obs. Hole #	
[Depth observed star	nding water in ob	servation hole					
ī	_	Donth wooning from	side of chaosyst	ion bala		inches		inches	
1	_	Depth weeping from	side of observat	uon noie		inches		inches	
[\times	Depth to soil redoxin	norphic features	(mottles)		78"		inches	
	_					inches		inches	
Į		Depth to adjusted seasonal high groundwater (Sh) (USGS methodology)				inches		inches	
		Index Well Nun	nber	Reading Date					
		$S_h = S_c - [S_r \times (OW_c)]$	- OW _{max})/OW _r]						
		Obs. Hole#	S _c	_ S _r	OW _o	·	OW _{max}	OW _r	Sh
		Obs. Hole #	_ Sc		OWc		OW _{max}	OW _r	Sh
E. I	De	epth of Perviou	ıs Material						
1. [Dep	pth of Naturally Occur	rring Pervious Ma	aterial					
â	∄.	Does at least four fea	et of naturally oc	curring pervious ma	terial ex	ist in all areas	observed through	out the area propos	ed for the soil
		⊠ Yes □ 1	No						
ł),	If yes, at what depth	was it observed	?	Upp	er boundary:	38 inches	Lower boundary:	120 inches
c) .	If no, at what depth v	was impervious r	material observed?	Upp	er boundary:		Lower boundary:	******
							inches		inches



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F. Board of Health Witness	*
Name of Board of Health Witness	Board of Health
G. Soil Evaluator Certification	
evaluations and that the above analysis has been performed	Environmental Protection pursuant to 310 CMR 15.017 to conduct soil ed by me consistent with the required training, expertise and experience ults of my soil evaluation, as indicated in the attached Soil Evaluation Form, ugh 15.107.
William Million	7/13/16
Signature of Soil Evaluator	Date
William Murphy SE 1718	6/30/19
Typed or Printed Name of Soil Evaluator / License #	Expiration Date of License

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>.



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

Field Diagrams

Use this sheet for field diagrams: 44 UNITS ING SPACES IF 195:0 BUILDING #2

4 STORIES - 52 UNITS

47 GARAGE PARKING SPACES

F.F.= 205.0 G.F.=195.0 of 8