

## Commonwealth of Massachusetts City/Town of

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

#### A. Facility Information Owner Name Street Address Map/Lot # City State Zip Code **B. Site Information** ☐ New Construction ☐ Upgrade 1. (Check one) Soil Survey Soil Map Unit Soil Series Source Landform Soil Limitations Soil Parent material Surficial Geological Report Year Published/Source Map Unit Description of Geologic Map Unit: Within a regulatory floodway? Flood Rate Insurance Map ☐ Yes □ No Within a velocity zone? ☐ Yes □ No If yes, MassGIS Wetland Data Layer: Within a Mapped Wetland Area? □ No Wetland Type Current Water Resource Conditions (USGS): Range: Above Normal ☐ Below Normal ☐ Normal Month/Day/ Year Other references reviewed: (Zone II, IWPA, Zone A, EEA Data Portal, etc.)



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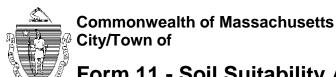
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Бсср	Observation	THOIC HUMB	Hole #	Date	<del></del> -	Time		Veather		Latitude	Longitude
. Land	Use	andland parioult	ural field, vacant lot, e	oto \	Vagatation		Curfoo	oo Stonoo (o a	aabblaa ata	ones, boulders, e	etc.) Slope (%)
Descriptio	e.g., wo on of Location		urai neid, vacant iot, e	ətc.)	vegetation		Suriac	e Stones (e.g.,	cobbles, sic	mes, boulders, e	etc.) Slope (%)
Soil B	Parent Materia										
00111	archi Matche				Landfo	rm		Position on	Landscape (	SU, SH, BS, FS	, TS, Plain)
s. Distar	nces from:	Opei	n Water Body	fe	et			feet			nds fee
			Daniel III.				\A/ - II			011	
			Property Line _	fe	et D	rinking Wate	er vveli _	feet		Otr	ner fee
. Unsu	itable Materia	als Present:	☐ Yes ☐ No	If Yes:	☐ Disturbed So	il/Fill Material		] Weathered/	Fractured	Rock 🗌 Be	edrock
. Grour	ndwater Obse	erved: \( \) Yes	s 🗌 No		If yes:	Depth	to Weeping	j in Hole		Depth to St	anding Water in Hol
i. Grour	ndwater Obse	erved: Yes	s 🗌 No			Depth	to Weeping	j in Hole		Depth to St	anding Water in Hol
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Depth (in)				Depth	Sc	oil Log	Coarse	Fragments			anding Water in Hol
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Deep	Observation	n Hole Numb	er:	Date		Time		Veather		Latitude	Longitude
Land			TIOIC II	Date		Tittle	V	veatriei		Latitude	Longitude
Lanu		., woodland, agric	cultural field, vacant lo	ot, etc.)	Vegetation		Surface	e Stones (e.g.,	cobbles, stor	nes, boulders, etc	:.) Slope (%)
Descr	iption of Loc	•	,	, ,	ŭ			( 0 /	,	,	, , ,
Soil P	arent Materia	al:			 Landf	form		Position on	Landscano	(SU, SH, BS, FS,	TC Plain)
Distan		0	a Matau Dadu						Lanuscape		
Distar	nces from:	Opei	n Water Body _	feet		Drainage	e vvay _	feet		vvetian	ds feet
			Property Line _	feet	I	Drinking Wate	er Well	feet		Oth	erfeet
						•					
Unsuita	ble Materials	s Present <sup>.</sup> I I	Yes 🗌 No 🏻	f Yes: ☐	Disturbed Soil	I/Fill Material	□ V	Neathered/Fr	actured Ro	ck 🗌 Bedro	ck
		)	. 55 🗀 . 15	_						_	
				_						_	
		erved: \( \text{Yes}				If yes:			ole		nding Water in Hole
						If yes:			ole _		
				ı	\$	If yes:	_ Depth to	Weeping in Ho	ole _	Depth Sta	
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Grour	ndwater Obse	erved: Yes	s 🗌 No	ь	\$	If yes:	_ Depth to	Weeping in Ho Fragments Volume Cobbles &		Depth Sta	
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. Grour	Soil Horizon	erved: Yes	Soil Matrix: Color-	Depth C C D C D C D C D C D C D C D	edoximorphic Fo	If yes:	_ Depth to  Coarse % by	Weeping in Ho Fragments Volume Cobbles &	Soil	Soil Consistence	nding Water in Hole



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### D. Determination of High Groundwater Elevation

1. 1	Me	thod Used (Choose one):		Obs. Hole #	0	Obs. Hole #			
		Depth to soil redoximorphic features	inches	_	inches				
		Depth to observed standing water in observati	on hole	inches	_	inches			
ļ		Depth to adjusted seasonal high groundwater (USGS methodology)	(S <sub>h</sub> )inches		_	inches			
		Index Well Number	Reading Date						
		$S_h = S_c - [S_r \times (OW_c - OW_{max})/OW_r]$							
		Obs. Hole/Well# S <sub>c</sub>	S <sub>r</sub>	OW <sub>c</sub>	OW <sub>max</sub>	OW <sub>r</sub>	$S_h$		
<b>E</b> .	De	epth of Pervious Material							
1.	De	pth of Naturally Occurring Pervious Material							
;	a.	Does at least four feet of naturally occurring p	ervious material ex	ist in all areas observed	throughout	the area proposed for t	he soil abso	orption system?	
		☐ Yes ☐ No							
Ī	b.	If yes, at what depth was it observed (exclude C	), A, and E Horizons)?	Upper boundary		Lower bour	ndary:		
1	c.	If no, at what depth was impervious material of	bserved?	Upper boundary	inches /: inches	Lower bour	ndary:	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	Date
Typed or Printed Name of Soil Evaluator / License #	Expiration Date of License
Name of Approving Authority Witness	Approving Authority

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

**Field Diagrams:** Use this area for field diagrams: