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. Facility Info	rmation				
GROTON AFFOR	RDABLE HOUSING TRUST				
COW POND BRO)OK RD. & HOYTS WARF	RD.	IX.	249/57, 249/51	
Street Address				Map/Lot#	
GROTON			MA	01450	
City			State	Zip Code	
	tion				
(Check one)	New Construction ■	☐ Upgrade	☐ Repair		
Soil Survey Availa)Y	□ 20	If yes: USDA Source WATER TABLE		653 Soil Map Unit
Soil Name			Soil Limitations		
Surficial Geologica	ાl Report Available? ☐ Yes IM AND/OR SANDY GLAC	NOFLUVIAL	If yes: Year Published/Source KAME TERRACE	Publication Scale	Map Unit
DEPOSITES			Landform		
Flood Rate Insura	ince Map				
Above the 500-yea		⊠ No	Within the 100-year flood boundary	/? ☐ Yes	⊠ No
Within the 500-yea	ır flood boundary? 🛭 Yes	□ No	Within a velocity zone?	☐ Yes	No
Wetland Area:	Wetlands Conserva	ncy Program Map	Map Unit	Name	
Current Water Re	source Conditions (USGS)	2/22 Month/Year	Range: Above Normal I	Normal 🗌 Below	Normal
Other references	reviewed:				
	GROTON AFFOR GROTON AFFOR Owner Name COW POND BRO Street Address GROTON City B. Site Informa 1. (Check one) 2. Soil Survey Availa UDORTHENTS, \$ Soil Name 3. Surficial Geologica LOAMY ALLUVIU DEPOSITES 4. Flood Rate Insura Above the 500-yea Within the 500-yea Within the 500-yea 6. Current Water Re 7. Other references	nformat FORDABL BROOK RI BROOK RI Wavailable? Available? ITS, SAND O-year flood O-year flood O-year flood a: er Resource a: rress review	nformation =FORDABLE HOUSING TRUST BROOK RD. & HOYTS WARF RD. BROOK RD. & HOYTS WARF RD. SHOOK RD. & HOYTS WARF RD. Yes Try Sandy Shook Sandy GLACIOFLUVI Shook Sandy	FORDABLE HOUSING TRUST BROOK RD. & HOYTS WARF RD. MA	FROOK RD. & HOYTS WARF RD. BROOK RD. & HOYTS WARF RD. MA State MA Repair Repair WATER TABLE Soll Limitations MA Soll Limitations MA MATER TABLE Soll Limitations MA MA MATER TABLE Soll Limitations MA MA MA MATER TABLE Soll Limitations MA MA MATER TABLE Soll Limitations MA MATER TABLE MA MATER TABLE MA MATER TABLE MA MATER TABLE MA MA MATER TABLE MA MATER TABLE MA MATER TABLE MA MA MATER TABLE MA MA MA MATER TABLE MA MA MA MATER TABLE MA MA MA MA MATER TABLE MA MA MA MATER TABLE MA MA MA MATER TABLE MA MA MA MA MA MA MA MI Map Unit Map Unit



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

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Groundwater Observed: Estimated Depth to High	If Yes:	Parent Material:		Distances from:		<u>.</u>	l and like	Ground Eleva	Location	Deep Observ	C. On-Site Review (minimum of two holes required at every proposed primary
Groundwater Observed: ☐ Yes Estimated Depth to High Groundwater:	☐ Disturbed Soil		Prope		Vegetation	(e.g., woodlar PINE AND	WOODS, F	Ground Elevation at Surface of Hole:		Deep Observation Hole Number:	Review (m
☐ Yes		PROGLACIAL OUTWASH	Property Line	Open Water Body		(e.g., woodland, agricultural field, vacant lot, etc.) PINE AND OAK TREES	WOODS, FORMER GRAVEL PIT	e of Hole:		umber:	inimum of t
⊠ No SEE LOGS inches	Fill Material	TWASH	50'+	100'+ feet		ld, vacant lot, etc	VEL PIT				vo holes re
S	☐ Impervious Layer(s)		Drinking	Drainage Way	Landform	KAME TERRACE		Location (ic		3/22/22 Date	quired at ev
If yes: SEE LOGS elevation	s Layer(s)	Unsuitable N	Drinking Water Well	e Way	. 1		l z	Location (identify on plan):		9:00 AM Time	ery propos
SEE LOGS Depth Weeping from Pit	☐ Weath	Unsuitable Materials Present:	100'+ feet	100'+ feet		Surface Stones	NONE	::· 		AM	
rom Pit		П	Other	Possible	Position on L	SIDESLOPE				SUNNY-60's Weather	and reserve
SEE LOGS Depth Standin] Yes		Possible Wet Area	Position on Landscape (attach sheet)	Slope (%)	3-8%+/-			30's	and reserved disposal area)
SEE LOGS Depth Standing Water in Hole	Bedrock	⊠ No	feet	VARIES feet	ի sheet)	(%)	5+/-				area)

C. On-Site Review (continued)

Deep Observation Hole Number:

P-1

			84	24	15	Depun (m.)	So
			С	æ	>	Layer	il Horizon/
			2.5Y 5/4	10YR 5/6	10YR 3/3	Moist (Munsell)	Soil Horizon/Soil Matrix: Color-
			36"			Depth	Redox
		7.5YR6/1	7.5YR6/8			Color	Redoximorphic Features (mottles)
						Percent	atures
			C.S.+G	L.S	S.L.	(USDA)	Soil Texture
				11		Gravel	Coarse Fragmen % by Volume
17						Cobbles & Stones	Coarse Fragments % by Volume
			MASSIVE	S.A.B.	CRUMB	Structure	Soil
			MASSIVE FRIABLE	FRIABLE	FRIABLE	ıre (Moist)	Soil
							Other



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C. On-Site Review (continued)

Deep Observation Hole Number:

P-2

		84	16	00	Depth (in.)	5
		C	Φ	≻	Layer	oil Horizon/
		2.5Y 5/4	10YR 5/6	10YR 3/2	Moist (Munsell)	Soil Horizon/ Soil Matrix: Color-
		48"			Depth	Redoxi
	7.5YR6/1	7.5YR6/8			Color	Redoximorphic Features (mottles)
					Percent	atures
		M.C. SAND	L.F.S.	S.L.	(USDA)	Soil Texture
		1			Gravel	Coarse F % by \
			,		Cobbles & Stones	Coarse Fragments % by Volume
		MASSIVE FRIABLE	S.A.B.	CRUMB	Structure	Soil
		FRIABLE	FRIABLE	FRIABLE	(Moist)	Soil
					1	Other

C. On-Site Review (continued)

Deep Observation Hole Number:

P-3

	Soil Horizon	Soil Horizon/Soil Matrix: Color-	Redox	Redoximorphic Features (mottles)	atures	Soil Texture	Coarse Fragments % by Volume	ragments ′olume	Soil	Soil
Depth (in.)	Layer	Moist (Munsell)	Depth	Color	Percent	(USDA)	Gravel	Cobbles & Stones	Structure	(Mois
∞	>	10YR 3/3				S.L.			CRUMB FRIABLE	FRIAB
<u>1</u> 6	В	10YR 5/4				S.L			S.A.B.	FRIABLE
52	C	10YR 5/3	48"	7.5YR6/8		S.L.			MASSIVE FRIABLE	FRIAB
l	1	,		7.5YR6/1						
	11									

Additional Notes: BOULDERS @ 52" NGWO

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C. On-Site Review (continued)

Deep Observation Hole Number:

P-4

		Soil Horizon/ Soil Matrix: Color-	Redox	Redoximorphic Features (mottles)		Soil Texture	Coarse F % by \	Coarse Fragments % by Volume	Soil	Soil	2
Depth (in.)		Moist (Munsell)	Depth	Color	Percent	(USDA)	Gravel	Cobbles & Stones	Structure	Ire (Moist)	Cule
10	≻	10YR 3/2				S.L.			CRUMB	FRIABLE	
16	В	10YR 5/6				S.L.			S.A.B.	FRIABLE	
52	21	2.5Y 5/4	52"	7.5YR6/8		F.S.			MASSIVE FRIABLE	FRIABLE	
80	C2	10YR 5/4		7.5YR6/1		L.C.S+G			MASSIVE FRIABLE	FRIABLE	
,											



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C. On-Site Review (continued)

Deep Observation Hole Number:

P-5

	Soil Horizon/	Soil Horizon/ Soil Matrix: Color-	Redox	Redoximorphic Features (mottles)	atures	Soil Texture	Coarse F % by V	Coarse Fragments % by Volume	Soil	Soil	
Depth (in.)	Layer	Moist (Munsell)	Depth	Color	Percent	(USDA)	Gravel	Cobbles & Stones	Гe	(Moist)	Cile
10	А	10YR 3/3	Ųš	П		S.L.			CRUMB	FRIABLE	
12	В	10YR 5/4				S.L.			S.A.B.	FRIABLE	
42	2	2.5Y 5/3	42"	7.5YR6/8		F.S.			MASSIVE FRIABLE	FRIABLE	
84	C2	10YR 5/4		7.5YR6/1		L.F.S.			MASSIVE FRIABLE	FRIABLE	
						1					
								11			
								300			



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C. On-Site Review (continued)

Deep Observation Hole Number:

P-6

	Soil Horizon/	Soil Horizon/ Soil Matrix: Color-	Redox	Redoximorphic Features (mottles)		Soil Texture	Coarse F % by \	Coarse Fragments % by Volume	Soil	Soil	
Depth (in.)	Layer	Moist (Munsell)	Depth	Color	Percent	(USDA)	Gravel	Cobbles & Stones	Structure	(Moist)	0
12	A	10YR 5/3		1		S.L.			CRUMB	FRIABLE	
18	₿	10YR 5/4		l)	Ш	L.S.			S.A.B.	FRIABLE	
90	0	10YR 5/3	84"	7.5YR6/8		F.M.S.	3		MASSIVE FRIABLE	FRIABLE	
				7.5YR6/1							
	-										

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C. On-Site Review (continued)

Deep Observation Hole Number:

P-7

	Soil Horizon	Soil Horizon/ Soil Matrix: Color-	Redox	Redoximorphic Features (mottles)		Soil Texture	Coarse ⊢ % by \	Coarse Fragments % by Volume	Soil	Soil
epth (in.)	Layer	Moist (Munsell)	Depth	Color	Percent	(USDA)	Gravel	Cobbles & Stones	Structure	(Moist
10	А	10YR 3/3	111			S.L.			CRUMB	FRIABLE
6										ופיים
64	2	2.5Y 5/3				M-C.S.			S.A.B.	FRIABLE
86	C2	10YR 5/4	64"	7.5YR6/8		L.F.S.			MASSIVE FRIABLE	FRIABL
				7.5YR6/1						- /



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C. On-Site Review (continued)

Deep Observation Hole Number:

P-8

				7.5YR6/1				
		C.S.		7.5YR6/8	46"	2.5Y 5/3	С	80
		L.S.				10YR 5/4	В	24
		S.L.				10YR 3/3	А	10
Gravel Cobbles & Stones		(USDA)	Percent	Color	Depth	Moist (Munsell)	Layer	Deptn (in.)
Coarse Fragments	ture	Soil Texture	atures	Redoximorphic Features (mottles)	Redox	Soil Horizon/Soil Matrix: Color-	Soil Horizon/	



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C. On-Site Review (continued)

Deep Observation Hole Number:

P-9

	Soil Horizon	Soil Horizon/ Soil Matrix: Color-	Redox	Redoximorphic Features (mottles)		Soil Texture	Coarse Fragmen % by Volume	Coarse Fragments % by Volume	Soil	Soil	2
Depth (in.)	Layer	Moist (Munsell)	Depth	Color	Percent	(USDA)	Gravel	Cobbles & Stones	Structure	re (Moist)	Cuig
9	≻	10YR 3/3			18	S.L.			CRUMB	FRIABLE	\ II
36	œ	2.5Y 5/3				F.M.S.			S.A.B.	FRIABLE	
72	0	10YR 3/3	24"	7.5YR6/8		C.S.			MASSIVE FRIABLE	FRIABLE	
П				7.5YR6/1							
		1		ı							



C. On-Site Review (continued)

Deep Observation Hole Number:

P-10

Soil Horizon/Soil Matrix: Color-		24 A 10YR 3/3	72 C 2.5Y 5/4				
Redoxir	Depth			36			
Redoximorphic Features (mottles)	Color			7.5YR6/8	7.5YR6/8 7.5YR6/1	7.5YR6/8 7.5YR6/1	7.5YR6/8 7.5YR6/1
	Percent		:				
Soil Texture	(USDA)	S.L.	F.S.				
Coarse Fragments % by Volume	Gravel						
	Cobbles & Stones						
Soil	Structure	CRUMB	S.A.B.				
Soil	re (Moist)	FRIABLE	FRIABLE				
O+her	9						



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b. If yes, at wh	X Yes	a. Does at leas	Depth of Natural	Depth of Po	Adjustment Factor		Index Well Number	☐ Groundwate	-	□ Lebtu to solution □ Lebtu to solution		□ Lebtu Meeb		□ Depth obser]	Method Used:
If yes, at what depth was it observed?	ystem.∕ □ No	Does at least four feet of naturally occurring pervious material exist in all areas observed throughout the area proposed for the soil	Depth of Naturally Occurring Pervious Material	E. Depth of Pervious Material				Groundwater adjustment (USGS methodology)		Depth to soil redoximorphic features (motiles)		Leptin weeping from side of observation hole		Depth observed standing water in observation note		
Upper boundary:		g pervious material exis			Adjusted Groundwater Level	Ainsted Croundwater Level	Reading Date		A.							
SEE LOGS inches		st in all areas observed					=	inches	<u></u>	inches	A. SEE LOGS	inches	A. SEE LOGS	inches	A. SEE LOGS	
Lower boundary:		throughout the area pr					Index Well Level	inches	ъ	inches	B. SEE LOGS	inches	B. SEE LOGS	inches	B. SEE LOGS	
SEE LOGS inches		oposed for the soil									3S		SS		SS	



Commonwealth of Massachusetts

City/Town of GROTON

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F. Certification

are accurate and in accommance with 310 CMR 15.100 through 15.107. 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, I certify that I am currently approved by the Department of Environmental Protection pursuant to 310 CMR 15.017 to conduct soil

	4/14/2022
Signature of Soil Evaluator	Date
WILLIAM J. "JACK" MALONEY, JR.	7/13
Typed or Printed Name of Soil Evaluator / License #	Date of Soil Evaluator Exam
N/A	NONE
Name of Board of Health Witness	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.