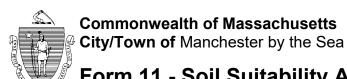
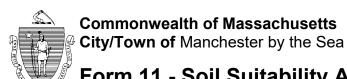


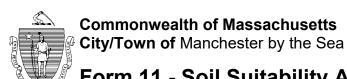
A. Facility Information Owner Name 0 Old School Street Map 43 Lot 0 18 Street Address Map/Lot # MA 01944 Manchester by the Sea City State Zip Code **B. Site Information** X New Construction ☐ Upgrade Repair (Check one) Soil Survey Available? X Yes □Nο If yes: MassGIS Soil Map Unit Source Chatfield-Hollis-Rock Outcrop Soil Limitations Soil Name Glacial Till Kame Soil Parent material Landform 3. Surficial Geological Report Available? X Yes No MassGIS If yes: Till/Bedrock Year Published/Source Map Unit Description of Geologic Map Unit: Within a regulatory floodway? X No Flood Rate Insurance Map ☐ Yes X No Within a velocity zone? ☐ Yes If yes, MassGIS Wetland Data Layer: ☐ Yes Within a Mapped Wetland Area? No Wetland Type Current Water Resource Conditions (USGS): Range: Above Normal □ Normal ☐ Below Normal Month/Day/ Year Other references reviewed:



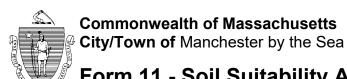
~~~												
C. On-	Site Revi	i <b>ew</b> (minim	um of two hole	es requ	ired at eve	ry propo	sed prin	nary and r	eserve disp	oosal area)		
Deep	Observation	n Hole Numb	er: TP-1	4-8-20	020	AM		Sunny	A.			
			Hole #	Date		Time		Weather		Latitude		Longitude:
1. Land	Use Wood		ural field, vacant lot, e		Trees, light	underbrus		Some		A contraction		3-8%
	(C.g., W	•	urai field, vacant lot, e	etc.)	Vegetation			Surface Stone	es (e.g., cobbles,	stones, boulder	rs, etc.)	Slope (%)
De	scription of L	ocation:										
2. Soil F	Parent Materia	al: Glacial Ti	ill		K	ame		SH				
					La	ındform		Posi	tion on Landscap	oe (SU, SH, BS,	, FS, TS)	
3. Dista	nces from:	Oper	n Water Body	> <u>50</u> feet		D	rainage W	/ay <u>&gt;10</u> fee	et	We	tlands	<u>&gt;50</u> feet
		ı	Property Line	>10 feet		Drinkin	g Water W	Vell >100 f	eet		Other	feet
4. Unsuita	able Material		Yes ☐ No		☐ Disturbed S		Fill Materia		Weathered/Fra	ctured Rock	⊠ Be	drock
			<del></del> -	•		_		_			_	
5. Groui	ndwater Obse	erved:  Yes	s 🛛 No		If yes	s: <u>NA</u> De	epth Weeping	g from Pit	<u>1</u>	NA Depth Stand	ding Wate	r in Hole
						Soil Log	1					
				Red	oximorphic Fea	atures		Fragments		Soil		
Depth (in)	Soil Horizon /Layer	Soil Texture (USDA	Soil Matrix: Color- Moist (Munsell)				•	Volume Cobbles &	Soil Structure	Consistence		Other
		`	, ,	Depth	Color	Percent	Gravel	Stones		(Moist)		
0-9	Fill			•	4( )							
				4								
9-24	В	sandy loam					2	0				
24-45	C1	sandy loam	0 0	1	W							
4E 400	00	la a may canad										
45-108	C2	loamy sand		1								
108	R	refusal		db.								
	·											
			<u> </u>	l		1	l	1			l	
	ional Notes:	00 no rada::										
INO W	ater, no mottl	es, no redox										



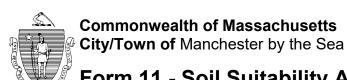
4											
C. On-S	Site Revi	ew (minim	num of two	holes r	equired a	nt every p	roposed p	orimary and	reserve disp	posal area)	
Deep	Observation	n Hole Numl	ber: <u>TP-2</u>	4.	-8-2020	AM	Su	nny	A.		
2006			Hole #		ate	Time		ather	Latitude		 Longitude:
	. Wo	odland			Tr	ees		Some/out	crops		ő-10%
<ol> <li>Land l</li> </ol>			icultural field, va	cant lot, etc		getation			nes (e.g., cobbles,	stones, boulders,	
Descri	ption of Loca	ation:									
	•	Glacial	Till				Kame			SH	
<ol><li>Soil Pa</li></ol>	arent Materia	al: Glaciai	1 111				Landform				scape (SU, SH, BS, FS, TS)
2 Dieten	ana frami	Open Wate	r Dady > 50	£		Droir		E0 6 1	\\/otla		ocapo (00, 01., 20, 10, 10)
<ol><li>Distan</li></ol>	ces ironi.	•	r Body <u>&gt;50</u>				nage Way <u>&gt;</u>			inds <u>&gt;50</u> feet	
		Propert	ty Line <u>&gt;10</u>	feet		Drinking W	/ater Well <u>&gt;</u>	•100 feet	Ot	her fe	eet
4. Unsuital			NI 1654			<b>—</b>				N	
	_		No If Yes:	∐ Distu	irbed Soil				Fractured Rock	⊠ Bedrock	
5. Groun	dwater Obse	erved: 🛛 Ye	s 🗌 No				If yes: 24" [	epth Weeping fr	om Pit	Depth	Standing Water in Hole
						So	il Log				
				Podo	ximorphic F	410	Coarse	Fragments		Soil	
Depth (in)	Soil Horizon	Soil Texture	Soil Matrix: Color-Moist	Redo	ziiiioi piiic F	eatures	% by	Volume	Soil Structure	Consistence	Other
,	/Layer	(USDA)	(Munsell)	Depth	Color	Percent	Gravel	Cobbles & Stones		(Moist)	
			,		A A			Otones			
0-6	0				A W						
6.24	Fill										
6-24	FIII										
24-60	C1	sandy loam			4						
24-00	01	Sandy Idam									
60	R	Refusal			40						
		rtordodi		10 10							
				1							
<u> </u>											
Additio	onal Notes:		W								
	at 24-inches										



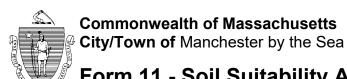
C. On-	Site Revi	ew (minim	num of two hole	es requ	ired at eve	ry propo	sed prin	nary and r	eserve disp	osal area)		
Deep	Observation	n Hole Numb	er: TP-3	4-8-20	020	AM		Sunny				
			Hole #	Date		Time		Weather		Latitude		Longitude:
1. Land	Use Woodl				Trees, light	underbrus		Some		×		3-8%
	(c.g., w	_	ural field, vacant lot, e	etc.)	Vegetation			Surface Stone	es (e.g., cobbles,	stones, boulder	s, etc.)	Slope (%)
Des	scription of Lo	ocation:										
2. Soil P	arent Materia	al: Glacial Ti	ill		Ka	ame		SH				
						andform	Á		tion on Landscap	e (SU, SH, BS,	FS, TS)	
3. Distar	nces from:	Oper	n Water Body	>50 feet		D	rainage W	/ay >10 fee	et	We	tlands	<u>&gt;50</u> feet
			Property Line >	>10 feet		Drinkin	a Water W	/ell >100 fe	eet		Other	feet
4 Unquita	hle Material		Yes ☐ No		☐ Disturbed 9		_		Weathered/Fra			
T. Officiality	ibic iviatorial	0 1 100011t. <u>/</u>	7 163 L 146	ii 105. [		JOII 🔼	i ili Materia	' Ц	Weatherea/i ia	otarca rtook		arook
5. Grour	ndwater Obse	erved: Yes	s 🛛 No		If yes	s: NA De	pth Weeping	from Pit	١	IA Depth Stand	ding Wate	er in Hole
						Soil Log			_		· ·	
		1		Pod	oximorphic Fea		Coarse	Fragments	1	Soil		
Depth (in)	Soil Horizon	Soil Texture (USDA	Soil Matrix: Color-	Reu	Oximorphic rea	lures	% by	Volume Cobbles &	Soil Structure			Other
	/Layer	(USDA	Moist (Munsell)	Depth	Color	Percent	Gravel	Stones		(Moist)		
0-6	0											
0-0	0			4								
6-18	Bw	sandy loam					2	0				
18-60	C1	sandy loam	4 4									
				-								
60	R	Refusal		1								
Additi	onal Notes:											
	ater, no mottl	es, no redox										



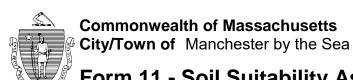
Deep	Observation	n Hole Numl	ber: <u>TP-4</u>	4-	-8-2020	AM	Su	nny	A. T		
			Hole #	Da	ate	Time		ather	Latitude		Longitude:
المصما		odland				ees		Some/out			6-10%
. Land l	Jse: (e.g.	, woodland, agr	icultural field, va	cant lot, etc	ve(	getation		Surface Sto	nes (e.g., cobbles,	stones, boulders,	etc.) Slope (%)
Descri	ption of Loca	ation:									
	•	Glacial	Till				Kame			SH	
. Soil P	arent Materia	al: Olaciai	1				Landform				scape (SU, SH, BS, FS,
. Distan	ces from:	Open Wate	r Body <u>&gt;50</u>	feet		Drain	age Way ≥	50 feet	Wetla	inds >50 feet	
		•	ty Line <u>&gt;10</u>		ı		/ater Well <u>&gt;</u>			her fe	
. Unsuita		-									
Materia	s Present: [	⊠ Yes 🔲 I	No If Yes:	☐ Distu	rbed Soil	☐ Fill Mate	erial [	☐ Weathered	Fractured Rock	⊠ Bedrock	
. Groun	dwater Ohee	nvod. M Va	s No			I	f.voc: 55" r	epth Weeping fr	om Dit	D th.	0, 1, 14, , , , , ,
	uwatei Obse	rveu. 🖂 Te	3 🗀 110			1	1 yes. <u>55</u> L	beput weeping it	OIII FIL	Depth	Standing Water in Hole
	dwater Obse	erved. 🖂 Te	3 🗀 140				il Log	peptit weeping ii	OIII FIL	Deptn :	Standing Water in Hole
				Redo	ximorphic Fe	So	il Log Coarse	Fragments	OIII FIL	Soil	Standing Water in Hole
Depth (in)	Soil Horizon /Layer	Soil Texture (USDA)	Soil Matrix: Color-Moist		<u> </u>	So	il Log Coarse   % by	Fragments Volume Cobbles &	- Soil Structure	Soil Consistence	Other
Depth (in)	Soil Horizon	Soil Texture	Soil Matrix:	Redo Depth	ximorphic Fe	So	il Log Coarse	Fragments Volume		Soil	
Depth (in)	Soil Horizon	Soil Texture	Soil Matrix: Color-Moist		<u> </u>	So	il Log Coarse   % by	Fragments Volume Cobbles &		Soil Consistence	
0-3	Soil Horizon /Layer	Soil Texture (USDA)	Soil Matrix: Color-Moist		<u> </u>	So	il Log Coarse   % by	Fragments Volume Cobbles &		Soil Consistence	
	Soil Horizon /Layer	Soil Texture	Soil Matrix: Color-Moist		<u> </u>	So	il Log Coarse   % by	Fragments Volume Cobbles &		Soil Consistence	
0-3	Soil Horizon /Layer	Soil Texture (USDA)	Soil Matrix: Color-Moist		<u> </u>	So	il Log Coarse   % by	Fragments Volume Cobbles &		Soil Consistence	
0-3	Soil Horizon /Layer 0 Bw	Soil Texture (USDA)	Soil Matrix: Color-Moist		<u> </u>	So	il Log Coarse   % by	Fragments Volume Cobbles &		Soil Consistence	
0-3 3-14 14-60	Soil Horizon /Layer 0 Bw	Soil Texture (USDA) sandy loam	Soil Matrix: Color-Moist		<u> </u>	So	il Log Coarse   % by	Fragments Volume Cobbles &		Soil Consistence	
0-3 3-14 14-60	Soil Horizon /Layer 0 Bw	Soil Texture (USDA) sandy loam	Soil Matrix: Color-Moist		<u> </u>	So	il Log Coarse   % by	Fragments Volume Cobbles &		Soil Consistence	
0-3 3-14 14-60	Soil Horizon /Layer 0 Bw	Soil Texture (USDA) sandy loam	Soil Matrix: Color-Moist		<u> </u>	So	il Log Coarse   % by	Fragments Volume Cobbles &		Soil Consistence	



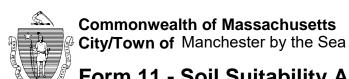
^ ^			rum of two hole	oc roau	irad at ava	ry propo		and and		sacel areal		
C. On-	Site Revi	ew (minim	ann on two mon	es requi	ireu al evei	y propo	sea prim	iary and r	eserve aisp	iosai ar <del>e</del> a)		
Deep	Observation	n Hole Numb	er: TP-5	4-8-20	20	AM		Sunny				
			Hole #	Date		Time		Weather		Latitude		Longitude:
1. Land	Use Woodl				Trees, light	underbrus		Some				3-8%
	(o.g., w	_	ural field, vacant lot, e	etc.)	Vegetation			Surface Stone	s (e.g., cobbles,	stones, boulder	s, etc.)	Slope (%)
De	scription of Lo	ocation:									<del></del>	
2 Soil F	Parent Materia	al: Glacial Ti	ill		K:	ame		SH				
OOII 1	aront materic	ai. <u>Giadiai 11</u>				ndform			tion on Landscap	e (SU, SH, BS,	FS, TS)	
R Dista	nces from:	Oner	n Water Body	>50 feet		D	rainage W	/ay <u>&gt;10</u> fee		·	· ·	<u>&gt;50</u> feet
J. Diota	1000 110111.	•	, <u>-</u>				•	-				
4 11			Property Line 2		<b></b>		_	/ell >100 fe			Other	feet
ا. Unsuit	able Materials	s Present: 🗵	Yes 🗌 No	If Yes: [	_ Disturbed S	soil ∐ l	-ıll Material	ı 📙 '	Weathered/Fra	ctured Rock	⊠ Bed	rock
5 Grou	ndwater Obse	erved: Yes	s 🖂 No		If vo	s. Mac	Al- 10/ !:	u franco Dit	k.	IA Danetti Otto	Jim ar 187 - 4	in I Inla
,. Grou	idwalci Obse	., vca. <u> </u>	, <u>N</u> 110		ii yes		pth Weeping	irom Pit	<u>r</u>	<u>IA</u> Depth Stand	ung water	ın Hole
	T	T	T	1		Soil Log	0000		T	T		
						befoliotie and	Coarso	Fragments				
	Soil Horizon	Soil Texture	Soil Matrix: Color-	Red	oximorphic Fea	tures				Soil		
Depth (in)	Soil Horizon /Layer	Soil Texture (USDA	Soil Matrix: Color- Moist (Munsell)		oximorphic Fea			Volume Cobbles &	Soil Structure			Other
Depth (in)				Depth		Percent	% by	Volume	Soil Structure	Consistence		Other
Depth (in)							% by	Volume Cobbles &	Soil Structure	Consistence		Other
0-3	/Layer	(USDA					% by	Volume Cobbles &	Soil Structure	Consistence		Other
	/Layer						% by	Volume Cobbles &	Soil Structure	Consistence		Other
3-24	/Layer O Bw	sandy loam					% by	Volume Cobbles &	Soil Structure	Consistence		Other
0-3	/Layer	(USDA					% by	Volume Cobbles &	Soil Structure	Consistence		Other
0-3 3-24	/Layer O Bw	sandy loam					% by	Volume Cobbles &	Soil Structure	Consistence		Other
0-3 3-24	/Layer O Bw	sandy loam					% by	Volume Cobbles &	Soil Structure	Consistence		Other
0-3 3-24	/Layer O Bw	sandy loam					% by	Volume Cobbles &	Soil Structure	Consistence		Other
0-3 3-24	/Layer O Bw	sandy loam					% by	Volume Cobbles &	Soil Structure	Consistence		Other
0-3 3-24	/Layer O Bw	sandy loam					% by	Volume Cobbles &	Soil Structure	Consistence		Other
0-3 3-24	/Layer O Bw	sandy loam					% by	Volume Cobbles &	Soil Structure	Consistence		Other
0-3 3-24	/Layer O Bw	sandy loam					% by	Volume Cobbles &	Soil Structure	Consistence		Other



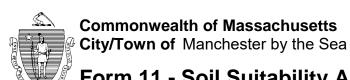
4											
C. On-S	Site Rev	iew (minim	num of two	holes r	equired a	at every p	roposed	orimary and	reserve disp	posal area)	
Deep	Observation	n Hole Numl	oer: <u>TP-6</u>	4-	-8-2020	PM	Su	inny	A.		
			Hole #		ate	Time		eather	Latitude		 Longitude:
4	. Wo	odland			T	rees		Some/out	crops		6-10%
1. Land l	Jse: (e.g.	, woodland, agr	icultural field, va	cant lot, etc		egetation		Surface Sto	nes (e.g., cobbles,	stones, boulders,	etc.) Slope (%)
Descri	ption of Loc	ation:									
	•	Glacial	Till				Kame			SH	
<ol><li>Soil Pa</li></ol>	arent Materia	al: Glaciai	1 111				Landform				scape (SU, SH, BS, FS, TS)
3 Dietan	ces from:	Open Wate	r Body >50	foot		Drair	nage Way	>50 foot	Wetla	inds >50 feet	00400 (00, 011, 00, 10, 10)
J. Distail	ces iroin.	•	· -							·	
4	blo	Propert	ty Line <u>&gt;10</u>	feet		Urinking W	ater Well	>100 feet	Ot	her fe	eet
Unsuital     Meterial		✓ Vaa □ I	No If Yes:	□ Dietu	urbad Cail	☐ Fill Mat	orial	□ Weathered	Fractured Rock	☑ Podrook	
				□ Distu	irbed Soli	<del></del>		_		<del></del>	
5. Groun	dwater Obse	erved:  Ye	s 🗵 No				f yes:	Depth Weepin	g from Pit	Depth	Standing Water in Hole
						So	il Log				
			Cail Matrice	Redo	ximorphic F	eatures		Fragments		Soil	
Depth (in)	Soil Horizon /Layer	Soil Texture (USDA)	Soil Matrix: Color-Moist				% by	Volume Cobbles &	Soil Structure	Consistence	Other
	/Luyer	(OODA)	(Munsell)	Depth	Color	Percent	Gravel	Stones		(Moist)	
0-3	0				<b>6</b>						
0-3	U										
3-21	Bw	sandy loam		4							
<del></del>		Jan. 12 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1									
21-53	С	sandy loam									
			-	4							
53	R	Refusal		6 Th							
				4							
				4.							
Additio	onal Notes:		₩								
	ater/No Mottl	es									



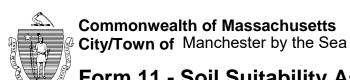
Deep	Observation	Hole Numb	er: TP-7	4/8/20	20	DМ		Overca	at A		
1-	Observation		Hole #	Date	20	Time			SI.	Latitude	Longitude
. Land	Use Woodla	and	ural field, vacant lot, e	atc )	Trees, light un	nderbrush		Some Surface Stone	es (e.g., cobbles,	stones houlder	rs, etc.) 3-8% Slope (%
			urai neid, vacantilot, e					Juliace Storie	is (e.g., cobbles,	stories, boulder	s, etc.)
	·										
. Soil F	arent Materia	al: Glacial	Till			Kame andform		Posi	tion on Landscar	o (SII SH BS	ES TS)
Dieta	nces from:	Once	n Water Body	> 100 for			rainaga M	/ay <u>&gt; 50</u>		•	tlands > 50 f
. Distai	ices iidiii.		_								· <u></u>
Unquita	blo Matorial		Property Line ]Yes ☒ No				_	/ell <u>&gt; 100</u>	ाeeा Weathered/Fra		Other f
. Onsula	ible Material	s rieseiii. L	J res 🖂 NO	ii res. [		3011 🔲 1	riii iviateria	·	wealileleu/Fla	ciurea Rock	☐ Bedlock
. Grou	ndwater Obse	erved: Nes	s ⊠ No		If ye	es:	Depth Wee	ping from Pit	<u>-</u>	Depth S	tanding Water in Hol
						Soil Log					
	Soil Horizon	Soil Texture	Soil Matrix: Color-	Red	oximorphic Fe	atures		Fragments Volume		Soil	
Depth (in)	/Layer	(USDA	Moist (Munsell)	Depth	Color	Percent	Gravel	Cobbles & Stones	Soil Structure	Consistence (Moist)	Other
								Stories			
0.2	A /O										
0-3	A/O	Sandy Loam									
0-3 3-23	A/O Bw										
		Sandy Loam Sandy Loam		<u> </u>							
			•	4							
3-23	Bw	Sandy Loam									
3-23	Bw	Sandy Loam									
3-23	Bw	Sandy Loam									



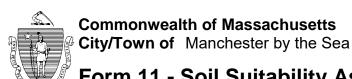
400											
C. On-S	Site Revi	ew (minin	num of two	holes re	equired a	at every p	proposed p	orimary and	reserve disp	oosal area)	
Deep (	Observation	n Hole Numb	oer: TP-8	4/	8/2020	PM	Ov	ercast			
			Hole #	Da	8/2020 ate	PM Time		ather	Latitude		Longitude:
1. Land l	Jse: Wood (e.g.	odland , woodland, agri	cultural field, va	cant lot, etc		rees, light un getation	derbrush	Some Surface Stor	nes (e.g., cobbles,	stones, boulders,	etc.) 3-8% Slope (%)
Descri	ption of Loca	ation:							5		
2. Soil Pa	arent Materia	al: Glacia	l Till				Kame Landform	<del></del>		Position on Land	scape (SU, SH, BS, FS, TS)
3. Distan	ces from:	Open Wate	r Body <u>&gt; 1</u>	00 feet		Drair	nage Way	> 50 feet	Wetla	nds <u>&gt; 50</u> fe	eet
		Propert	y Line <u>&gt; 1</u>	0 feet			/ater Well _		Ot	her fe	eet
	s Present: [		No If Yes:			☐ Fill Mat	terial If yes:		Fractured Rock	Bedrock	Standing Water in Hole
	1	1				So	il Log		<u> </u>		Г
Don'th (in)	Soil Horizon	Soil Texture	Soil Matrix:	Redo	ximorphic F	eatures		Fragments Volume	0 - 11 04	Soil	Other
Depth (in)	/Layer	(USDA)	Color-Moist (Munsell)	Depth	Color	Percent	Gravel	Cobbles & Stones	Soil Structure	Consistence (Moist)	Other
0-3	0	Sandy Loam									
3-23	Bw	Sandy Loam									
23-60	C1	Sandy Loam		•							
60-108	C2	Sandy Loam									
			.0								
			16								
	onal Notes:	ttles				•		•			



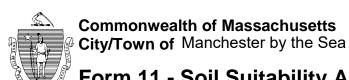
Dech	Observation	Hole Numb	or. TD 0	4101	••			_			
	Observation	i i ioie ivaliib	Hole #	<u>4/8/20</u> 2 Date	20	<u>PM</u> Time		Overcas Weather	st	Latitude	Longitude:
. Land	Usa Woodla	and			Trees, light un Vegetation	nderbrush		Some			3-8%
	(c.g., w	•	ural field, vacant lot, e					Surface Stone	s (e.g., cobbles,	stones, boulder	Slope (%)
De	scription of Lo	ocation:									<u></u>
. Soil F	Parent Materia	al: Glacial	Till			Kame					
						andform		Posi	tion on Landscap	e (SU, SH, BS,	FS, TS)
. Dista	nces from:	Oper	n Water Body	> 100 fee	et	D	rainage W	/ay <u>&gt; 50</u>	feet	We	tlands <u>&gt; 50</u> fee
			Property Line _						feet	(	Other fee
. Unsuita	able Materials	s Present:	] Yes 🛛 No	If Yes: [	☐ Disturbed	Soil 🗌 l	Fill Materia	ı 🔻 🗆 v	Neathered/Fra	ctured Rock	Bedrock
Groui	ndwater Obse	rved· \ Yes	s 🛛 No		If ve	s.	Davids Man	min or forces Dit		Danith C	tandin - Watanin I lala
. Groui	idwater Obse		, <u>D</u> 110		ii ye			ping from Pit	_	Depth S	tanding Water in Hole
				l		Soil Log		Fragments			
Depth (in)	Soil Horizon	Soil Texture	Soil Matrix: Color-	Red	oximorphic Fe	atures		Volume	Soil Structure	Soil Consistence	Other
	/Layer	(USDA	Moist (Munsell)	Depth	Color	Percent	Gravel	Cobbles & Stones		(Moist)	
0-3	A/O	Sandy Loam		•							
0-3	A/O	Sandy Loam		•							
0-3 3-24	A/O Bw	Sandy Loam Sandy Loam									
	Bw	Sandy Loam		<u> </u>							
		,		< C							
3-24	Bw	Sandy Loam		6							
3-24	Bw	Sandy Loam									
3-24	Bw	Sandy Loam									
3-24	Bw	Sandy Loam									
3-24	Bw	Sandy Loam									
3-24	Bw	Sandy Loam									



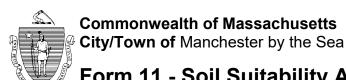
C. On-S	Site Revi	i <b>ew</b> (minin	num of two	holes re	equired	at every p	proposed p	orimary and	reserve disp	oosal area)	
Deep (	Observation	n Hole Numb	oer: TP-10	2	1/8/2020	PM	0	vercast			
•			Hole #	Da	ate	Time		ather	Latitude		Longitude:
1. Land U	Jse: Woo	odland woodland agri	icultural field, va	cant lot etc	:) V	Trees, light un egetation	derbrush	Some Surface Stor	nes (e.g., cobbles,	stones boulders	etc.) 3-8% Slope (%)
Descri	ption of Loca				.,						
	arent Materia	Glacia	al Till				Kame Landform	- C		Position on Land	scape (SU, SH, BS, FS, TS)
3. Distan	ces from:	Open Wate	r Body <u>&gt; 1</u>	00 feet		Drair	nage Way _	> 50 feet		nds <u>&gt; 50</u> fe	
		•	ty Line > 1				/ater Well _			herfe	
	s Present: [		No If Yes:		rbed Soil	☐ Fill Mat			Fractured Rock	Bedrock	Standing Water in Hole
Depth (in)	Soil Horizon		Soil Matrix:	Redo	ximorphic l	Features		Fragments Volume	Soil Structure	Soil Consistence	Other
Deptii (iii)	/Layer	(USDA)	Color-Moist (Munsell)	Depth	Color	Percent	Gravel	Cobbles & Stones	Son Structure	(Moist)	Other
0-3	0	Sandy Loam			<b>*</b>						
3-23	Bw	Sandy Loam									
24-108	C1	Sandy Loam	4	• . •		,					
			0								
			1								
	onal Notes:	ttles				•		•			



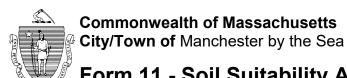
C. On-	Site Revi	ew (minim	um of two hole	es requ	ired at eve	ry propo	sed prin	nary and r	eserve disp	osal area)		
		n Hole Numb		4/9/202		AM		Overcas				
			Hole #	Date		Time		Weather		Latitude	Lo	ongitude:
I. Land Des			ıral field, vacant lot, e					Some Surface Stone	es (e.g., cobbles,	stones, boulder	rs, etc.)	Slope (%)
. Soil P	arent Materia	al: Glacial T	Γill		ı	Kame						
	arone matoric					ndform		Posi	tion on Landscap	oe (SU, SH, BS,	FS, TS)	
յ. Distar	nces from:	Oper	n Water Body	> 100 fe	et	D	rainage W	/ay <u>&gt; 50</u>	feet	We	tlands <u> </u>	<u>&gt; 50</u> feet
		ſ	Property Line _	> 10 fe	et	Drinkin	g Water W	/ell <u>&gt; 100</u>	feet	(	Other _	feet
l. Unsuita	ble Materials	s Present: 🛛	Yes 🗌 No	If Yes:	☐ Disturbed S	Soil 🗌	Fill Materia		Weathered/Fra	ctured Rock	Bedro	ck
. Grour	ndwater Obse	erved:  Yes	⊠ No		If yes			ping from Pit	<del>-</del>	Depth S	tanding Wate	er in Hole
		T	<u> </u>	ı		Soil Log		Eraamanta	T	Π		
Depth (in)	Soil Horizon	Soil Texture	Soil Matrix: Color-	Red	oximorphic Fea	atures		Fragments Volume	Soil Structure	Soil Consistence		Other
- op ()	/Layer	(USDA	Moist (Munsell)	Depth	Color	Percent	Gravel	Cobbles & Stones	oon on dotaro	(Moist)		ou.io.
0-3	0											
3-24	Bw	Sandy Loam										
24-84	C1d	Sandy Loam	•								Some Gra	avel
84	R											
			· -									
	onal Notes: vater, no mot	tles										



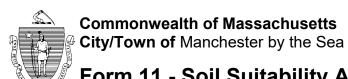
C. On-S	Site Revi	ew (minin	num of two	holes re	equired a	t every p	ropose	d primary and	d reserve disp	oosal area)	
Deep (	Observation	n Hole Numb	Der: <u>TP-12</u> Hole #	_4/	9/2020	AM		Overcast			
			Hole #	Da	ate	Time	,	Weather	Latitude		Longitude:
1. Land U		oodland , woodland, agri	icultural field, va	cant lot, etc		ees, Light ui getation	nderbrush	Some Surface Sto	ones (e.g., cobbles,	stones, boulders,	3-8% etc.) Slope (%)
Descri	ption of Loca	ation:							6		
2. Soil Pa	arent Materia	al: Glacia	al Till				Kame Landform			Position on Land	scape (SU, SH, BS, FS, TS)
3. Distan	ces from:	Open Wate	r Body <u>&gt; 1</u> 0	<u>00</u> feet		Drair	nage Way	/ <u>&gt; 50</u> feet	Wetla	nds <u>&gt; 50</u> fe	eet
	s Present: [		ty Line <u>&gt; 1</u> 0 No If Yes: s ⊠ No			☐ Fill Mai		> 100 feet  Weathered Depth Weepi	/Fractured Rock		set Standing Water in Hole
Depth (in)	Soil Horizon	Soil Texture	Soil Matrix: Color-Moist	Redo	ximorphic Fe		Coar	se Fragments by Volume	Soil Structure	Soil Consistence	Other
. ,	/Layer	(USDA)	(Munsell)	Depth	Color	Percent	Gravel	Cobbles & Stones		(Moist)	
0-3	0				<b>*</b> , <b>*</b>						
3-24	Bw	Sandy Loam									
24-120	C1d	Sandy Loam	4	• .							Cobbles
			.0								
	nal Notes:	des	<u> </u>								



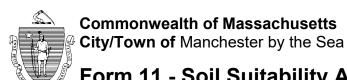
<b>*</b> O**												
C. On-	Site Revi	i <b>ew</b> (minim	num of two hole	es requ	ired at ever	ry propo	sed prim	nary and r	eserve disp	osal area)		
Deep	Observation	n Hole Numb	er: TP-14	4-9-20	020	PM		Sunny	A. T			
			Hole #	Date		Time		Weather		Latitude	<del></del> -	Longitude:
1. Land	Use Woodl		16.11		Trees, light underbrush			Some Surface Stones (e.g., cobbles, stones, boulders				3-8%
	(o.g., w	_	ural field, vacant lot, e	etc.)	Vegetation			Surface Stone	es (e.g., cobbles,	stones, boulder	s, etc.)	Slope (%)
Des	scription of Lo	ocation:										
2. Soil P	arent Materia	al: Glacial T	ill		Ka	ame		SH				
						ndform	A		tion on Landscap	e (SU, SH, BS,	FS, TS)	
3. Distar	nces from:	Oper	n Water Body	<u>&gt;50</u> feet		D	rainage W	/ay <u>&gt;10</u> fee	et	We	tlands	<u>&gt;50</u> feet
		1	Property Line >	>10 feet		Drinkin	g Water W	/ell >100 fe	eet	(	Other	feet
4. Unsuita	able Material		Yes ☐ No		☐ Disturbed S		_		Weathered/Fra			drock
			, <u> </u>									
5. Grour	ndwater Obse	erved:  Yes	s 🛛 No		If yes	S: <u>NA</u> De	pth Weeping	from Pit	<u>N</u>	IA Depth Stand	ding Wate	er in Hole
						Soil Log	1					
Depth (in)	Soil Horizon /Layer	Soil Texture (USDA	Soil Matrix: Color- Moist (Munsell)	Red	oximorphic Fea	Ce Features Ce		Fragments Volume		Soil		Other
				Depth	Color	Percent	Gravel	Cobbles & Stones	Soil Structure	Consistence (Moist)		Other
0-4	0			•								
4-48	Fill											
	•											
48-82	С	sandy loam	4 4									
82	R	Refusal		1								
	• • • • • • • • • • • • • • • • • • •											
	onal Notes: ater, no mottl	es, no redox				•		•				



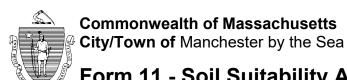
				_					_	-	
C. On-S	Site Rev	iew (minin	num of two	holes re	equired a	t every p	proposed p	orimary and	reserve disp	posal area)	
Deep	Observatio	n Hole Numl	ber: <u>TP-15</u>	4-	-9-2020	PM	Su	nny	4		
			Hole #	Da	ate	Time		ather	Latitude		Longitude:
1. Land l		odland				ees		Some/out			6-10%
i. Land (	use. (e.g.	, woodland, agr	icultural field, va	cant lot, etc	ve(	getation		Surface Stor	nes (e.g., cobbles,	stones, boulders,	etc.) Slope (%)
Descri	ption of Loc	ation:							7		
2 Soil De	arent Materia	Glacial	Till				Kame			SH	
2. JUIL F	arent materi	aı.					Landform			Position on Land	scape (SU, SH, BS, FS, TS)
3. Distan	ces from:	Open Wate	r Body <u>&gt;50</u>	feet		Drair	nage Way	> <u>50</u> feet	Wetla	nds <u>&gt;50</u> feet	
		Proper	ty Line >10	feet	[	Orinkina W	/ater Well >	>100 feet	Ot	her fe	eet
4. Unsuital	ble		, <u></u>		-					··	
Material	ls Present:	⊠ Yes 🗌	No If Yes:	☐ Distu	rbed Soil		erial	☐ Weathered/	Fractured Rock	Bedrock	
5. Groun	dwater Obse	erved:	s 🛛 No				If yes:	Depth Weepin	g from Pit	Depth :	Standing Water in Hole
		<del>_</del>	_				oil Log				· ·
						4110		Fragments			
Danth (in)	Soil Horizon	Soil Texture	Soil Matrix:	Redoximorphic				Volume	Soil Structure	Soil Consistence	Other
Depth (in)	/Layer	(USDA)	Color-Moist (Munsell)	Depth	Color	Percent	Gravel	Cobbles & Stones	- Son Structure	(Moist)	Other
0-3	0				<b>*</b>	1					
3-53	Fill			4							
					1						
53-100	С	sandy loam	•								
100	R	Refusal									
	onal Notes: ater/No Mott	les			1	<u>'</u>	1	1	<u>'</u>		



Deep	Observation	Hole Numb	er: TP-16	4-9-20	20	PM		Sunny	As 7				
			Hole #	Date		Time		Weather		Latitude		Longitude:	
. Land	Use Woodl		16.11		Trees, light underbrush			Some				3-8%	
	(0.9., 110	•	ural field, vacant lot, e	etc.)	Vegetation			Surface Stone	es (e.g., cobbles,	stones, boulder	rs, etc.)	Slope (%)	
De	scription of Lo	ocation:											
. Soil F	arent Materia	al: Glacial Ti	ill		Ka	ame		SH					
					La	ndform		Posi	tion on Landscap	e (SU, SH, BS,	, FS, TS)		
. Dista	nces from:	Oper	n Water Body 🛚 👱	<u>&gt;50</u> feet		D	rainage V	Vay <u>&gt;10</u> fee	et	We	tlands	<u>&gt;50</u> feet	
		ı	Property Line >	<u>&gt;10</u> feet		Drinkin	g Water V	Vell >100 fe	eet	(	Other	feet	
. Unsuita	able Materials	s Present: 🗵	] Yes 🗌 No	If Yes: [	☐ Disturbed S	Soil 🛛 🗎	Fill Materia	ıl 🔲 '	Weathered/Fra	ctured Rock	⊠ Be	drock	
		. 57			16								
. Groui	ndwater Obse	erved: X Yes	i □ No		If yes	s: <u>44"</u> De	pth Weeping	g from Pit	<u>8</u>	0" Depth Stand	ding Wate	er in Hole	
						Soil Log	1000						
	Soil Horizon	Soil Texture	Soil Matrix: Color-	Rede	oximorphic Fea	Features		Fragments Volume	Call Characterist	Soil		•	
			Moist (Munsell)		4	AFF TOO		Cobbles &	Soil Structure	Consistence (Moist)		Other	
zehni (III)	/Layer	(USDA	Wolst (Wallsell)	Depth	Color	Percent	Gravel	Stones					
	-	(USDA	MOIST (MUIISEII)	Depth	Color	Percent	Gravel						
Oepth (in)	/Layer	(USDA	WOIST (WUITSEII)		Color	Percent	Gravel						
	-	(USDA	MOIST (MUITSEIT)		Color	Percent	Gravel						
0-3	O Fill		MOIST (MUITSEII)		Color	Percent	Gravel						
0-3	0	sandy loam	MOIST (MUTISETI)		Color	Percent	Gravel						
0-3	O Fill		moist (muriseri)		Color	Percent	Gravel						
0-3 3-33 33-80	O Fill C	sandy loam	moist (muriseri)		Color	Percent	Gravel						
0-3 3-33 33-80	O Fill C	sandy loam	moist (muriseri)		Color	Percent	Gravel						
0-3 3-33 33-80	O Fill C	sandy loam	moist (muriseri)		Color	Percent	Gravel						



400											
C. On-	Site Rev	iew (minin	num of two	holes re	equired a	at every p	proposed p	orimary and	reserve disp	posal area)	
Deep	Observation	n Hole Numl	ber: TP-17	4-	-9-2020	PM	Su	nny	A.		
2006			Hole #		ate	Time		ather	Latitude		 Longitude:
4	. Wo	odland			Tr	ees		Some/out	crops		6-10%
1. Land l	Jse: (e.g.	, woodland, agr	icultural field, va	cant lot, etc	:.) Ve	egetation			nes (e.g., cobbles,	stones, boulders,	etc.) Slope (%)
Descri	ption of Loc	ation:									
0 0-11 D		_, Glacial	Till				Kame			SH	
2. SOII P	arent Materia	aı: ———				<del></del>	Landform			Position on Land	scape (SU, SH, BS, FS, TS)
3. Distan	ces from:	Open Wate	r Body >50	feet		Drair	nage Way ≥	>50 feet	Wetla	inds >50 feet	
		Proper	ty Line <u>&gt;10</u>	feet			/ater Well ≥		Ot	herfe	eet .
4. Unsuita	ble		.,	1001		21g 1	-	100	0.		
Materia	ls Present:	⊠ Yes 🗌	No If Yes:	☐ Distu	rbed Soil	☐ Fill Mat	erial	☐ Weathered	Fractured Rock	⊠ Bedrock	
5. Groun	dwater Obse	erved: X	s $\square$ No				If ves: 32" [	Depth Weeping fr	om Pit	Depth :	Standing Water in Hole
								1 3		<del></del> ·	3
						410	il Log	Fragments	1		
Depth (in)	Soil Horizon /Layer	Soil Texture	Soil Matrix:	Redo	oximorphic Features			Volume	Soil Structure	Soil Consistence	Other
		(USDA)	Color-Moist (Munsell)	Depth	Color	Percent	Gravel	Cobbles & Stones	- Soil Structure	(Moist)	Other
0-3	0				<b>1</b>						
3-45	cobbles			-							
					1						
45-60	С	sandy loam	•								
60	R	Refusal		6,76							
				1							
	onal Notes:				I	<u> </u>			<u> </u>		<u> </u>



4											
C. On-	Site Revi	i <b>ew</b> (minim	num of two	holes r	equired a	at every p	roposed _l	orimary and	reserve disp	posal area)	
Deep	Observation	n Hole Numl	ber: TP-18	4-	-9-2020	PM	Su	inny	A.		
			Hole #		ate	Time		eather	Latitude		 Longitude:
	. Wo	odland			Tı	rees		Some/out	crops		ő-10%
1. Land l			icultural field, va	cant lot, etc		egetation			nes (e.g., cobbles,	stones, boulders,	
Descri	ption of Loca	ation [.]									
	p		T:II				I/ama			CLI	
2. Soil Pa	arent Materia	al: Glacial	1111				Kame Landform	$\overline{}$		SH Position on Land	scape (SU, SH, BS, FS, TS)
o D: (		0 14/ /	D 1 . 50			ъ.	-	50	)A/ (I		scape (50, 511, 55, 15, 15)
3. Distan	ces from:	Open Wate	r Body <u>&gt;50</u>	feet		Drair	nage Way	> <u>50</u> feet	Wetla	inds <u>&gt;50</u> feet	
		Propert	ty Line <u>&gt;10</u>	feet		Drinking W	/ater Well	>100 feet	Ot	her fe	eet
4. Unsuita				_						-	
	_		No If Yes:	☐ Distu	ırbed Soil	☐ Fill Mat	erial	☐ Weathered	Fractured Rock	⊠ Bedrock	
<ol><li>Groun</li></ol>	dwater Obse	erved: 🗌 Ye	s 🛛 No				If yes:	Depth Weepin	g from Pit	Depth	Standing Water in Hole
						So	il Log				
								Fragments		0 - "	
Depth (in)	Soil Horizon /Layer	Soil Texture (USDA)	Soil Matrix:	Redo	ximorphic F	eatures		Volume	Soil Structure	Soil Consistence	Other
			Color-Moist (Munsell)	Depth	Color	Percent	Gravel	Cobbles & Stones		(Moist)	
0.04					A A			Gtones			
0-31	0				A						
31-59	С	sandy loam									
31-33	U	Saridy Idairi		0							
59	R	Refusal									
				P 10							
<del></del>											
	1			<u> </u>					1	<u> </u>	<u> </u>
	onal Notes:										
No Wa	ater/No Mottl	29									