

Form #2

Technical Standards for Subsurface Sewage Disposal Systems

SITE INVESTIGATION FOR A SUBSURFACE SEWAGE DISPOSAL SYSTEM

Application/Permit #: _____

Property Owner _____ Location Mulnite 2, East Windsor, CT

DEEP TEST PIT DATA/SOIL DESCRIPTIONS

DATE: 9/16/2021

(Record all Test Pits)

TEST PIT: 10 (Basin 1)	TEST PIT: 11 (Basin 1)	TEST PIT: 12 (Basin 1)	TEST PIT:
existing grade +/- 198	existing grade +/- 198	existing grade +/- 197.5	
0-8" Brown silty loam	0-7" Brown silty sand	0-9" Brown silty sand	
8-32" Brown/ reddish brown silty sand	7-22" Brown sand	9-31" Dark brown/ reddish brown silty sand	
32-57" Reddish brown sand	22-41" Reddish brown sand	31-57" Dry reddish brown sand	
57-80"+ Reddish brown silty sand, silty clay	41-75" Reddish brown silty sand and sand	60"+ Very saturated reddish brown sand	
	75-90"+ Water		
Mottles:	Mottles:	Mottles:	Mottles:
GW: Seepage @ 65"	GW: Seepage @ 75"	GW: Seepage @ 60"	GW:
Ledge:	Ledge:	Ledge:	Ledge:
Roots:	Roots:	Roots:	Roots:
Restrictive: +/- 191.3	Restrictive: +/- 191.3	Restrictive: +/- 192.3	Restrictive:

COMMENTS: _____

GROUNDWATER TABLE (Near max., below max., etc.) _____

SOIL MOISTURE (High, medium, low, etc): _____

PERCOLATION TEST DATA

DATE: _____

(Record all Perc Tests)

PERC: 10		PERC: 11		PERC: 12		PERC:	
DEPTH: 24" @ 24" bench		DEPTH: 24" @ 24" bench		DEPTH: 24" @ 24" bench		DEPTH:	
PRESOAK:		PRESOAK:		PRESOAK:		PRESOAK:	
TIME	READING	TIME	READING	TIME	READING	TIME	READING
3:08	4.5"	3:11	4"	3:16	4"		
3:23	5.5"	3:26	4.5"	3:31	6"		
3:38	6"	3:41	5"	3:46	7"		
3:53	6.5"	3:56	5.5"	4:01	8"		
4:08	6.9"	4:11	6.5"	4:16	9"		
PERC RATE:	1.6" per hour	PERC RATE:	2" per hour	PERC RATE:	4" per hour	PERC RATE:	

COMMENTS: 0.25" of rain during morning of 9/16/21

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(Record all Test Pits)

TEST PIT: 1 (Basin 2)	TEST PIT: 2 (Basin 2)	TEST PIT: 3 (Basin 2)	TEST PIT:
existing grade +/- 212	existing grade +/- 212	existing grade +/- 212	
0-4" Organics, fine silty sand	0-5" Organics, dark brown silty loam	0-7" Brown silty loam/ silty sand	
4-27" Dark brown silty sand	5-32" Dark brown fine silty loam	7-29" Brown/ dark brown silty loam	
27-36" Brown silty sand	32-61" Brown silty sand	29-57" Brown/ dark brown silty sand	
36-84"+ Reddish brown sand	61-90"+ Reddish brown sand	57-90"+ Reddish brown sand	
Mottles:	Mottles:	Mottles:	Mottles:
GW:	GW:	GW:	GW:
Ledge:	Ledge:	Ledge:	Ledge:
Roots:	Roots:	Roots:	Roots:
Restrictive: <u>N/A</u>	Restrictive: <u>N/A</u>	Restrictive: <u>N/A</u>	Restrictive:

COMMENTS: _____

GROUNDWATER TABLE (Near max., below max., etc.) _____

SOIL MOISTURE (High, medium, low, etc): _____

PERCOLATION TEST DATA

DATE: _____

(Record all Perc Tests)

PERC: 1		PERC: 2		PERC: 3		PERC:	
DEPTH: 24" @ 24" bench		DEPTH: 24" @ 24" bench		DEPTH: 24" @ 24" bench		DEPTH:	
PRESOAK:		PRESOAK:		PRESOAK:		PRESOAK:	
TIME	READING	TIME	READING	TIME	READING	TIME	READING
8:48	6.5"	9:25	7"	9:30	6"		
8:53	16.5"	9:30	11"	9:35	17.5"		
8:58	22"	9:35	14.5"	9:40	21"		
		9:40	16.5"	9:45	23"		
		9:45	18.5"				
		9:50	20"				
		9:55	21.5"				
PERC RATE:	66" per hour	PERC RATE:	18" per hour	PERC RATE:	24" per hour	PERC RATE:	

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DATE: 9/16/2021

(Record all Test Pits)

TEST PIT: 4 (Basin 3)	TEST PIT: 5 (Basin 3)	TEST PIT: 6 (Basin 3)	TEST PIT:
existing grade +/- 211.5	existing grade +/- 211	existing grade +/- 211	
0-6" Brown organics silty loam	0-7" Brown silty sand	0-9" brown silty loam	
6-20" dark brown silty loam	7-20" dark brown silty sand	9-26" dark brown silty loam	
20-90"+ reddish brown sand	20-46" brown reddish brown sand 46-84"+ reddish brown sand, rocky	26-45" dark brown/ reddish brown semi rocky silty sand 45-85"+ reddish brown sand	
Mottles:	Mottles:	Mottles:	Mottles:
GW:	GW:	GW:	GW:
Ledge:	Ledge:	Ledge:	Ledge:
Roots:	Roots:	Roots:	Roots:
Restrictive: <u>N/A</u>	Restrictive: <u>N/A</u>	Restrictive: <u>N/A</u>	Restrictive:

COMMENTS: _____

GROUNDWATER TABLE (Near max., below max., etc.) _____

SOIL MOISTURE (High, medium, low, etc): _____

PERCOLATION TEST DATA

DATE: _____

(Record all Perc Tests)

PERC: 4		PERC: 5		PERC: 6		PERC:	
DEPTH: 24" @ 24" bench		DEPTH: 24" @ 24" bench		DEPTH: 24" @ 24" bench		DEPTH:	
PRESOAK:		PRESOAK:		PRESOAK:		PRESOAK:	
TIME	READING	TIME	READING	TIME	READING	TIME	READING
10:54	5.5"	10:43	4"	10:26	6.5"		
10:59	10.5"	10:48	6"	10:31	13"		
11:04	13"	10:53	7"	10:36	15"		
11:09	14.5"	10:58	8"	10:41	16.5"		
11:14	15.5"	11:03	9"	10:46	18"		
11:19	17"	11:08	10"	10:51	19.5"		
PERC RATE:	12" per hour	PERC RATE:	12" per hour	PERC RATE:	18" per hour	PERC RATE:	

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DATE: 9/16/2021

(Record all Test Pits)

TEST PIT: 7 (Basin 4)	TEST PIT: 8 (Basin 4)	TEST PIT: 9 (Basin 4)	TEST PIT:
existing grade +/- 218	existing grade +/- 219	existing grade +/- 221	
0-7" Brown organics silty loam, sandy loam	0-6" Brown organics silty loam	0-10" Brown organics silty loam	
7-42" Reddish brown silty sand loam	6-32" Brown silty sand	10-27" Brown/ reddish brown silty sand	
42-65" Reddish brown sand	32-50" Brown/ reddish brown sand	27-87"+ Reddish brown sand	
65-87"+ Reddish brown sand	50-90"+ Reddish brown sand		
Mottles:	Mottles:	Mottles:	Mottles:
GW:	GW:	GW:	GW:
Ledge:	Ledge:	Ledge:	Ledge:
Roots:	Roots:	Roots:	Roots:
Restrictive: <u>N/A</u>	Restrictive: <u>N/A</u>	Restrictive: <u>N/A</u>	Restrictive:

COMMENTS: _____

GROUNDWATER TABLE (Near max., below max., etc.) _____

SOIL MOISTURE (High, medium, low, etc): _____

PERCOLATION TEST DATA

DATE: _____

(Record all Perc Tests)

PERC: <u>7</u>		PERC: <u>8</u>		PERC: <u>9</u>		PERC:	
DEPTH: <u>24" @ 24" bench</u>		DEPTH: <u>24" @ 24" bench</u>		DEPTH: <u>24" @ 24" bench</u>		DEPTH:	
PRESOAK:		PRESOAK:		PRESOAK:		PRESOAK:	
TIME	READING	TIME	READING	TIME	READING	TIME	READING
<u>11:36</u>	<u>9"</u>	<u>12:19</u>	<u>6"</u>	<u>12:42</u>	<u>6"</u>		
<u>11:38</u>	<u>16"</u>	<u>12:24</u>	<u>9.5"</u>	<u>12:47</u>	<u>11"</u>		
<u>11:40</u>	<u>20"</u>	<u>12:29</u>	<u>11.5"</u>	<u>12:52</u>	<u>15"</u>		
		<u>12:34</u>	<u>13.5"</u>	<u>12:57</u>	<u>18"</u>		
		<u>12:39</u>	<u>15"</u>	<u>1:02</u>	<u>19.5"</u>		
		<u>12:44</u>	<u>16"</u>	<u>1:07</u>	<u>21"</u>		
		<u>12:49</u>	<u>17"</u>	<u>1:12</u>	<u>22.5"</u>		
PERC RATE:	<u>120" per hour</u>	PERC RATE:	<u>12" per hour</u>	PERC RATE:	<u>18" per hour</u>	PERC RATE:	

COMMENTS: 0.25" of rain during morning of 9/16/21
