

Form #2

Technical Standards for Subsurface Sewage Disposal Systems

SITE INVESTIGATION FOR A SUBSURFACE SEWAGE DISPOSAL SYSTEM

Application/Permit #: _____

Property Owner Simsbury Real Estate Holdings, LLC Location 140 Nod Rd Simsbury, CT

DEEP TEST PIT DATA/SOIL DESCRIPTIONS

DATE: 1/2/2026

(Record all Test Pits)

TEST PIT: <u>Basin 1 TP 1</u>	TEST PIT: <u>Basin 1 TP 2</u>	TEST PIT: <u>Basin 1 TP 3</u>	TEST PIT:
0-19" brown topsoil/loam	0-14" brown topsoil/loam	0-11" brown topsoil/loam	
19-30" reddish brown silty very fine sand	14-30" reddish brown silty fine sandy loam	11-51" red fine sand (redox at 43")	
30-56" reddish brown very fine sandy loam (redox at 46")	30-64" reddish brown very fine sand (redox at 44")	51+" red silty fine sand	
56-64" reddish brown very fine sand	64+red silty very fine sand, very compact		
64-80+" tan very fine sand			
Mottles: <u>±46"</u>	Mottles: <u>±44"</u>	Mottles: <u>±43"</u>	Mottles:
GW: <u>none observed</u>	GW: <u>none observed</u>	GW: <u>none observed</u>	GW:
Ledge: <u>none observed</u>	Ledge: <u>none observed</u>	Ledge: <u>none observed</u>	Ledge:
Roots: <u>none observed</u>	Roots: <u>none observed</u>	Roots: <u>none observed</u>	Roots:
Restrictive:	Restrictive:	Restrictive:	Restrictive:

COMMENTS: _____

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

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

PERCOLATION TEST DATA

DATE: 1/2/2026

(Record all Perc Tests)

PERC: <u>TP1</u>		PERC: <u>TP2</u>		PERC: <u>TP3</u>		PERC:	
DEPTH: <u>22"</u>		DEPTH: <u>23"</u>		DEPTH: <u>22"</u>		DEPTH:	
PRESOAK: <u>Recent Rain</u>		PRESOAK: <u>Recent Rain</u>		PRESOAK: <u>Recent Rain</u>		PRESOAK:	
TIME	READING	TIME	READING	TIME	READING	TIME	READING
13:10	22"	13:15	23"	13:25	22"		
13:20	19"	13:25	12"	13:35	EMPTY		
13:30	17"	13:35	5"				
13:40	17"	13:45	2"				
13:50	16"	13:55	EMPTY				
13:55	16"						
14:00	15"						
14:05	15"						
14:10	15"						
	STOP						
PERC RATE: <u>±4" per hour</u>		PERC RATE: <u>±50" per hour</u>		PERC RATE: <u>>100" per hour</u>		PERC RATE:	

COMMENTS: Excavator removed top 18" of soil from perc locations for drainage analysis into subsurface soils - depth represents hole dug from 18" below grade

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DATE: 1/2/2026

(Record all Test Pits)

TEST PIT: <u>Basin 2 TP 1</u>	TEST PIT: <u>Basin 2 TP 2</u>	TEST PIT: <u>Basin 2 TP 3</u>	TEST PIT:
0-12" dark brown topsoil/loam 12-30" reddish brown fine sandy loam 30-52" tan coarse sand/cobbles (redox at 36") 52+" gray coarse sand/cobbles	0-16" dark brown topsoil/loam 16-36" reddish brown fine sandy loam 36-57" tan coarse sand (redox at 42") 57+" gray coarse sand	0-25" dark brown topsoil/loam 25-33" reddish brown fine sandy loam (redox at 33") 33-42+" grayish tan coarse sand	
Mottles: <u>±36"</u>	Mottles: <u>±42"</u>	Mottles: <u>±33"</u>	Mottles:
GW: <u>±69"</u>	GW: <u>±71"</u>	GW: <u>±59"</u>	GW:
Ledge: <u>none observed</u>	Ledge: <u>none observed</u>	Ledge: <u>none observed</u>	Ledge:
Roots: <u>none observed</u>	Roots: <u>none observed</u>	Roots: <u>none observed</u>	Roots:
Restrictive:	Restrictive:	Restrictive:	Restrictive:

COMMENTS: _____

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

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

PERCOLATION TEST DATA

DATE: 1/2/2026

(Record all Perc Tests)

PERC: <u>TP1</u>		PERC: <u>TP2</u>		PERC: <u>TP3</u>		PERC:	
DEPTH: <u>17"</u>		DEPTH: <u>21"</u>		DEPTH: <u>20"</u>		DEPTH:	
PRESOAK: <u>Recent Rain</u>		PRESOAK: <u>Recent Rain</u>		PRESOAK: <u>Recent Rain</u>		PRESOAK:	
TIME	READING	TIME	READING	TIME	READING	TIME	READING
11:25	17"	12:00	21"	12:00	20"		
11:35	4"	12:10	9"	12:10	7"		
11:45	EMPTY	12:20	3"	12:20	2"		
		12:30	EMPTY	12:30	EMPTY		
PERC RATE: <u>±70" per hour</u>		PERC RATE: <u>±60" per hour</u>		PERC RATE: <u>±60" per hour</u>		PERC RATE:	

COMMENTS: Excavator removed top 18" of soil from perc locations for drainage analysis into subsurface soils - depth represents hole dug from 18" below grade

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DATE: 1/2/2026

(Record all Test Pits)

TEST PIT: <u>Basin 3 TP 1</u>	TEST PIT: <u>Basin 3 TP 2</u>	TEST PIT: <u>Basin 3 TP 3</u>	TEST PIT:
0-15" dark brown topsoil/loam 15-38" reddish brown fine sandy loam 38-91+ " brownish gray coarse sand/cobbles/gravel (redox at 53")	0-17" dark brown topsoil/loam 17-42" reddish brown fine sandy loam 42-53" brownish gray coarse sand/cobbles (redox at 44") 53-81+ " gray coarse sand	0-10" dark brown topsoil/loam 10-45" reddish brown fine sandy loam (redox at 41") 45-63" tan coarse sand/cobbles 63-68+ " brown silt loam	
Mottles: <u>±53"</u>	Mottles: <u>±44"</u>	Mottles: <u>±41"</u>	Mottles:
GW: <u>±94"</u>	GW: <u>none observed</u>	GW: <u>none observed</u>	GW:
Ledge: <u>none observed</u>	Ledge: <u>none observed</u>	Ledge: <u>none observed</u>	Ledge:
Roots: <u>none observed</u>	Roots: <u>none observed</u>	Roots: <u>none observed</u>	Roots:
Restrictive:	Restrictive:	Restrictive:	Restrictive:

COMMENTS: _____

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

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

PERCOLATION TEST DATA

DATE: 1/2/2026

(Record all Perc Tests)

PERC: <u>TP1</u>		PERC: <u>TP2</u>		PERC: <u>TP3</u>		PERC:	
DEPTH: <u>24"</u>		DEPTH: <u>23"</u>		DEPTH: <u>23"</u>		DEPTH:	
PRESOAK: <u>Recent Rain</u>		PRESOAK: <u>Recent Rain</u>		PRESOAK: <u>Recent Rain</u>		PRESOAK:	
TIME	READING	TIME	READING	TIME	READING	TIME	READING
11:00	24"	11:00	23"	11:00	23"		
11:10	8"	11:10	10"	11:10	12"		
11:20	EMPTY	11:20	3"	11:20	6"		
		11:30	EMPTY	11:30	1"		
				11:35	EMPTY		
PERC RATE: <u>±75" per hour</u>		PERC RATE: <u>±75" per hour</u>		PERC RATE: <u>±75" per hour</u>		PERC RATE:	

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