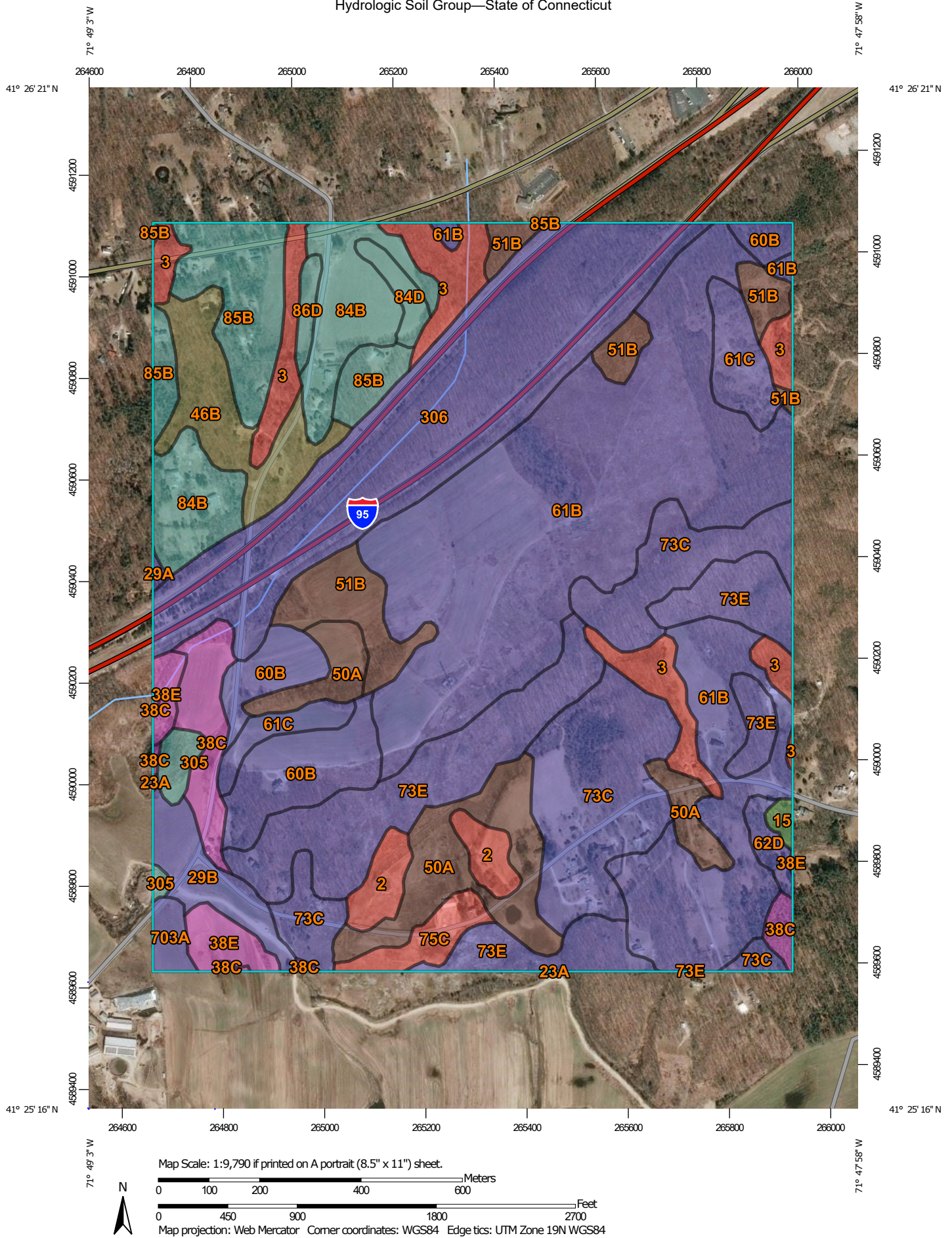


Hydrologic Soil Group—State of Connecticut



MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

Soil Rating Polygons

 A
 A/D
 B
 B/D
 C
 C/D
 D
 Not rated or not available

Soil Rating Lines

 A
 A/D
 B
 B/D
 C
 C/D
 D
 Not rated or not available

Soil Rating Points

 A
 A/D
 B
 B/D

 C
 C/D
 D
 Not rated or not available


Water Features

 Streams and Canals

Transportation

 Rails
 Interstate Highways
 US Routes
 Major Roads
 Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: State of Connecticut
 Survey Area Data: Version 19, Sep 13, 2019

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 20, 2019—Mar 27, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
2	Ridgebury fine sandy loam, 0 to 3 percent slopes	D	7.0	1.5%
3	Ridgebury, Leicester, and Whitman soils, 0 to 8 percent slopes, extremely stony	D	21.3	4.6%
15	Scarboro muck, 0 to 3 percent slopes	A/D	0.9	0.2%
23A	Sudbury sandy loam, 0 to 5 percent slopes	B	0.1	0.0%
29A	Agawam fine sandy loam, 0 to 3 percent slopes	B	0.3	0.1%
29B	Agawam fine sandy loam, 3 to 8 percent slopes	B	7.9	1.7%
38C	Hinckley loamy sand, 3 to 15 percent slopes	A	10.4	2.2%
38E	Hinckley loamy sand, 15 to 45 percent slopes	A	6.0	1.3%
46B	Woodbridge fine sandy loam, 0 to 8 percent slopes, very stony	C/D	14.5	3.1%
50A	Sutton fine sandy loam, 0 to 3 percent slopes	B/D	24.2	5.2%
51B	Sutton fine sandy loam, 0 to 8 percent slopes, very stony	B/D	15.4	3.3%
60B	Canton and Charlton fine sandy loams, 3 to 8 percent slopes	B	19.1	4.1%
61B	Canton and Charlton fine sandy loams, 0 to 8 percent slopes, very stony	B	118.6	25.7%
61C	Canton and Charlton fine sandy loams, 8 to 15 percent slopes, very stony	B	10.1	2.2%
62D	Canton and Charlton fine sandy loams, 15 to 35 percent slopes, extremely stony	B	2.3	0.5%

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
73C	Charlton-Chatfield complex, 0 to 15 percent slopes, very rocky	B	44.1	9.5%
73E	Charlton-Chatfield complex, 15 to 45 percent slopes, very rocky	B	43.2	9.3%
75C	Hollis-Chatfield-Rock outcrop complex, 3 to 15 percent slopes	D	4.6	1.0%
84B	Paxton and Montauk fine sandy loams, 3 to 8 percent slopes	C	21.8	4.7%
84D	Paxton and Montauk fine sandy loams, 15 to 25 percent slopes	C	2.6	0.6%
85B	Paxton and Montauk fine sandy loams, 3 to 8 percent slopes, very stony	C	20.2	4.4%
86D	Paxton and Montauk fine sandy loams, 15 to 35 percent slopes, extremely stony	C	1.8	0.4%
305	Udorthents-Pits complex, gravelly	C	2.8	0.6%
306	Udorthents-Urban land complex	B	60.7	13.1%
703A	Haven silt loam, 0 to 3 percent slopes	B	2.4	0.5%
Totals for Area of Interest			462.3	100.0%

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

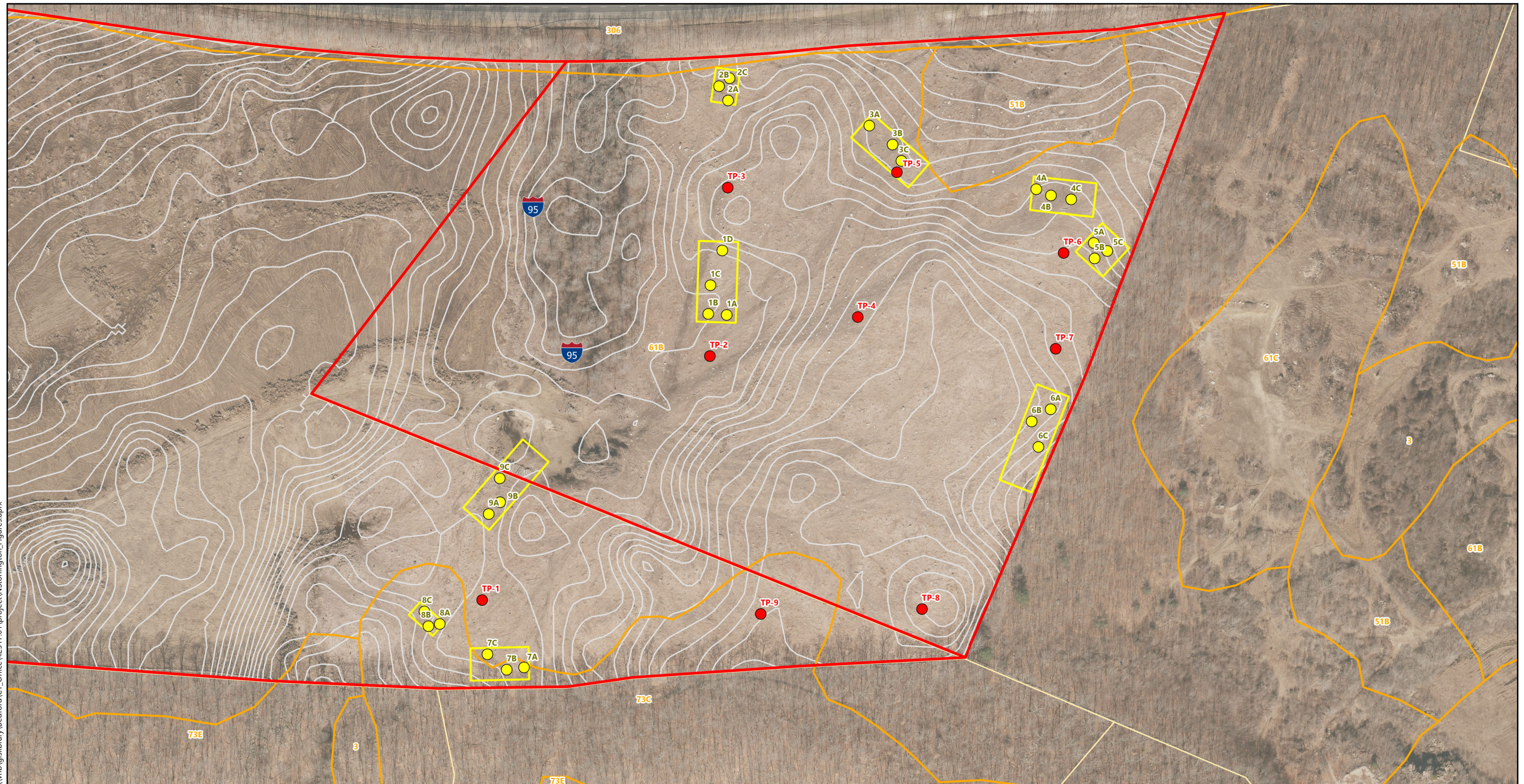
If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher



\\vhb\gislibrary\Bedford\CT_Office\42517.01\project\NStonington_Figures.aprx



- Stormwater Test Pits
- Site-Specific HSG Soil Survey
- ▭ NRSC Soil Boundary
- ▭ Stormwater Test Pit Areas
- ▭ Parcel Boundary
- ▭ Property Boundary
- 2-ft Contours

Greenskies Clean Energy, LLC

North Stonington, Connecticut

Test Pit Locations

Source: VHB, CTDEEP, ArcGIS Online

Test Pit 1

Oe	0-2 inches	Black (10YR 2/1) fine granular structure, many roots, friable, abrupt wavy boundary
A	2-4 inches	Very dark brown (10YR 2/2) sandy loam, fine to medium granular structure, friable, many roots, clear wavy boundary
Bw1	4-7 inches	Brown (10YR 4/3) sandy loam, medium subangular blocky structure, friable, many roots, clear wavy boundary
Bw2	7-17 inches	Dark yellowish brown (10YR 4/6) sandy loam, fine to medium subangular blocky structure, friable, common roots, clear wavy boundary
Bw3	17-25 inches	Light olive brown (2.5Y 5/4) sandy loam, weak medium subangular blocky structure, friable, few roots, abrupt wavy boundary
1C1	25-41 inches	Light yellowish brown (2.5Y 6/3) silt loam, massive structure, friable, common, coarse and prominent strong brown (7.5YR 5/6) concentrations, abrupt wavy boundary
2C2	41-50+ inches	Light brownish gray (2.5Y 6/2) very gravely loamy sand, some silt lenses around stones, some firm peds, firm, fine to medium platy structure

Estimated SHWT at 25 inches

Test Pit 2

	0-1	Litter layer
Oa	1-3 inches	Black (10YR 2/1) fine granular structure, friable, many roots, abrupt wavy boundary
A	3-7 inches	Dark brown (10YR 3/3) sandy loam, fine to medium subangular blocky structure, friable, common roots, abrupt wavy boundary
Bw1	7-17 inches	Yellowish brown (10YR 5/4) sandy loam, medium subangular blocky structure, friable, common roots, clear wavy boundary
Bw2	17-25 inches	Light olive brown (2.5Y 5/4) sandy loam, massive structure, friable, clear wavy boundary
1C1	25-32 inches	Light brownish gray (2.5Y 6/2) silt loam, massive, friable, common, coarse and prominent strong brown (7.5YR 5/6) concentrations, abrupt smooth boundary
2C2	32-41 inches	Strong brown (7.5YR 5/8) very gravely loamy sand, single grain loose
2C _d 3	41-55 inches	Light yellowish brown (2.5Y 6/3) extremely gravelly loamy sand, firm peds, medium platy structure, silt lenses around larger stones

Estimated SHWT at 25 inches

Test Pit 3

Oe-i	0-1	Litter layer
Oa	1-3 inches	Black (10YR 2/2) fine granular structure, friable, many roots, abrupt smooth boundary
A	3-7 inches	Dark brown (10YR 3/3) sandy loam, fine to medium subangular blocky structure, friable, many roots, abrupt smooth boundary
Bw1	7-14 inches	Dark yellowish brown (10YR 4/4) stony sandy loam, medium subangular blocky structure, friable, common roots, clear wavy boundary
Bw2	14-24 inches	Dark yellowish brown (10YR 4/6) stony sandy loam, medium subangular block structure, friable, common roots, clear abrupt boundary
Bw3	24-37 inches	Light olive brown (2.5Y 5/4) stony sandy loam, massive structure, friable, clear abrupt boundary
1C1	37-55+ inches	Light grayish brown (2.5Y 6/2) silt loam, massive structure, friable, many, coarse, and prominent strong brown (7.5YR 5/8) concentrations

Estimated SHWT 37 inches

Test Pit 4

Oe-i	0-1	Litter layer
Oa	1-2 inches	Black (10YR 2/1) fine granular structure, friable, many roots, abrupt smooth boundary
A	2-4 inches	Dark brown (10YR 3/3) sandy loam, medium subangular blocky structure, friable, many roots, clear abrupt boundary
Bw1	4-18 inches	Yellowish brown (10YR 5/6) Stony loamy sand, weak medium subangular blocky structure, friable, common roots, clear abrupt boundary
Bw2	18-30 inches	Light olive brown (2.5Y 5/6) Stony sandy loam, massive structure, friable, few roots, clear abrupt boundary
C1	30-51 inches	Light grayish brown (2.5Y 6/2) Stony very cobbly sandy loam, cobbles have silt lenses, single grain, loose, abrupt smooth boundary
Cd2	51-55+ inches	Light yellowish brown (2.5Y 6/3) Stony loamy sand, firm, medium platy structure

Strong brown (10YR 5/6) concentrations at the interface of the C and the Cd layer
Stoniness (15%) throughout profile

Test Pit 5

Oa	0-1 inches	Very dark brown (10YR 2/2) granular structure, friable, many roots, abrupt smooth boundary
A	1-7 inches	Dark brown (10YR 3/3) sandy loam, 15-20% cobbles, fine to granular structure, friable, many roots, abrupt smooth boundary
Bw1	7-18 inches	Dark yellowish brown (10YR 4/6) gravely sandy loam, medium subangular blocky structure, friable, common roots, clear abrupt boundary
Bw2	18-22 inches	Light olive brown (10YR 5/6) sandy loam, weak medium subangular blocky structure, friable, few roots, clear abrupt boundary
Bw3	22-35 inches	Light olive brown (2.5Y 5/6) loamy sand, massive structure, friable, few roots, common, coarse and prominent strong brown (7.5YR 5/6) concentrations, common, coarse, and prominent light grayish brown (2/5Y 6/2) depletions, abrupt smooth boundary
C	35-44 inches	Olive brown (2.5Y 6/6) gravely loamy sand, friable, weak platy structure, abrupt smooth boundary
Cd	44-46 inches	Olive brown (2.5Y 6/6) gravely loamy sand, firm, medium platy structure, abrupt smooth boundary
2C	46-52 inches	Light olive brown (2.5Y 5/4) loamy sand, massive structure, friable, common, coarse, and prominent strong brown (7.5YR 5/8)

Test Pit 6

Oa	0-3 inches	Very dark brown (10YR 2/2) granular structure, friable, many roots, abrupt smooth boundary
A	3-7 inches	Dark yellowish brown (10YR 3/4) gravely sandy loam, medium subangular blocky structure, friable, many roots, abrupt wavy boundary
Bw1	7-17 inches	Dark yellowish brown (10YR 4/6) stony gravely loamy sand, weak medium subangular blocky structure, friable, few roots, clear wavy boundary
Bw2	17-20 inches	Light olive brown (10YR 5/6) stony sandy loam, weak medium subangular blocky structure, friable, few roots, clear abrupt boundary
C1	20-52 inches	Light olive brown (2.5Y 5/3) stony very cobbly sand, single grain, loose
Cd	52-56 inches	Light grayish brown (2.5Y 6/2) very gravely loamy sand, firm, medium platy structure, common and medium yellowish brown (10YR 5/8) concentrations

Estimated SHWT 52 inches, Stoniness (10-15%) throughout profile

Test Pit 7

Oi	0-1 inches	
Oa	1-3 inches	Black (10YR 2/1) fine granular structure, friable, many roots, abrupt wavy boundary
A	3-7 inches	Dark brown (10YR 3/3) stony sandy loam, medium subangular blocky structure, friable, many roots, clear abrupt boundary
Bw1	7-16 inches	Dark yellowish brown (10YR 4/6) stony loamy sand, medium subangular blocky structure, friable, common roots, clear wavy boundary
Bw2	16-26 inches	Light olive brown (10YR 5/6) stony sandy loam, weak medium subangular blocky structure, friable, few roots, clear abrupt boundary
1C1	26-35 inches	Pale brown (10YR 6/3) stony very cobbly sand, loose, single grain, common, medium, and distinct yellowish brown (10YR 5/6) concentrations
2C2	35-48 inches	Light grayish brown (2.5Y 6/2) very gravely loamy sand, dense, massive, friable, yellowish brown (10YR 5/6) common, medium, and prominent concentrations
2Cd3	48-55 inches	Light grayish brown (2.5Y 6/2) very gravely loamy sand, firm medium peds, dense

Estimated SHWT 26 inches

Test Pit 8

Oa	0-3 inches	Black (10YR 2/1) fine granular structure, friable, many roots, abrupt wavy boundary
A	3-7 inches	Dark brown (10YR 3/3) sandy loam, fine subangular blocky structure, friable, many roots, clear abrupt boundary
Bw1	7-22 inches	Yellowish brown (10YR 5/4) cobbly sandy loam, medium subangular blocky structure, friable, common roots, clear wavy boundary
Bw2	22-35 inches	Light olive brown (10YR 5/6) cobbly sandy loam, medium subangular blocky structure, friable, few roots, strong brown (7.5YR 5/6) many, coarse, and prominent concentrations, clear abrupt boundary
C1	35-49 inches	Light yellowish brown (2.5Y 6/4) very gravelly and cobbly coarse sand, loose, single grain, abrupt smooth boundary
C2	49-56 inches	Light yellowish brown (2.5Y 6/3) sand, dense, single grain loose

Estimated SHWT 22 inches

Test Pit 9

Oa	0-2 inches	Black (10YR 2/1) fine granular structure, friable, many roots, abrupt wavy boundary. Surface stoniness approximately 10%.
A	2-3 inches	Dark brown (10YR 3/3) sandy loam, granular structure, friable, many roots, abrupt smooth boundary
Bw1	3-14 inches	Dark yellowish brown (10YR 4/4) stony gravely loamy sand, weak medium subangular blocky structure, friable, common roots, clear abrupt boundary
Bw2	14-21 inches	Light olive brown (2.5Y 5/4) stony gravely loamy sand, massive, friable, clear abrupt boundary
BC	21-31 inches	Light olive brown (2.5Y 5/6) stony extremely gravelly and cobbly loamy sand, loose, single grain, abrupt smooth boundary
C2	31-54 inches	Light olive brown (2.5Y 5/4) stony extremely cobbly and gravelly coarse sand, dense, single grain, loose, reddish brown (5YR 4/4) few, coarse, prominent concentrations.

Estimated SHWT 31 inches

Form #2

Technical Standards for Subsurface Sewage Disposal Systems

SITE INVESTIGATION FOR A SUBSURFACE SEWAGE DISPOSAL SYSTEM

Property Owner _____ Application/Permit #: _____
 Location 233 Boombidge Rd North Stonington, CT

DEEP TEST PIT DATA/SOIL DESCRIPTIONS

DATE: 2/7/2020

(Record all Test Pits)

TEST PIT: 1A	TEST PIT: 1B	TEST PIT: 1C	TEST PIT: 1D
0-4" organic	0-3" organic	0-2" organic	0-3" organic
4-24" dark brown silty clay loam	3-23" brown silty loam	2-20" dark brown	3-18" dark brown silty clay
24-45" brown tan silt loam with mottles	23-47" grey silty clay loam with mottles	20-65" grey tan sand silt loam	18-38" sandy loam
45-87" cobbly sandy loam	47-88" fine sandy loam with large cobbles	65-75" sandy clay loam	38-98" sandy loam with cobbles and mottles
Mottles: 24"	Mottles: 23"	Mottles: 26"	Mottles: 38"
GW:	GW: 88", Seepage @ 75"	GW: 75", Seepage @ 65"	GW:
Ledge:	Ledge:	Ledge:	Ledge:
Roots:	Roots:	Roots:	Roots:
Restrictive:	Restrictive:	Restrictive:	Restrictive:

COMMENTS: _____

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

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

PERCOLATION TEST DATA

DATE: _____

(Record all Perc Tests)

PERC:		PERC:		PERC:		PERC:	
DEPTH:		DEPTH:		DEPTH:		DEPTH:	
PRESOAK:		PRESOAK:		PRESOAK:		PRESOAK:	
TIME	READING	TIME	READING	TIME	READING	TIME	READING
PERC RATE:		PERC RATE:		PERC RATE:		PERC RATE:	

COMMENTS: _____

Form #2

Technical Standards for Subsurface Sewage Disposal Systems

SITE INVESTIGATION FOR A SUBSURFACE SEWAGE DISPOSAL SYSTEM

Property Owner _____ Application/Permit #: _____
 Location 233 Boombidge Rd North Stonington, CT

DEEP TEST PIT DATA/SOIL DESCRIPTIONS

DATE: 2/7/2020

(Record all Test Pits)

TEST PIT: 2A	TEST PIT: 2B	TEST PIT: 2C	TEST PIT:
0-5" organic	0-3" organic	0-4" organic	
5-24" brown silty clay	3-15" dark brown silty clay	4-16" silt loam	
24-68" light brown sandy loam with mottles	15-27" tan brown silty clay	16-25" tan silty clay loam	
68-91" grey silt loam	27-58" sandy loam with mottles	25-68" grey brown sandy loam	
	58-95" sandy loam	68-90" sandy loam with cobbles	
Mottles: 24"	Mottles: 27"	Mottles: 25"	Mottles:
GW:	GW: 95, Seepage @ 88"	GW:	GW:
Ledge:	Ledge:	Ledge:	Ledge:
Roots:	Roots:	Roots:	Roots:
Restrictive:	Restrictive:	Restrictive:	Restrictive:

COMMENTS: _____

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

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

PERCOLATION TEST DATA

DATE: _____

(Record all Perc Tests)

PERC:		PERC:		PERC:		PERC:	
DEPTH:		DEPTH:		DEPTH:		DEPTH:	
PRESOAK:		PRESOAK:		PRESOAK:		PRESOAK:	
TIME	READING	TIME	READING	TIME	READING	TIME	READING
PERC RATE:		PERC RATE:		PERC RATE:		PERC RATE:	

COMMENTS: _____

Form #2

Technical Standards for Subsurface Sewage Disposal Systems

SITE INVESTIGATION FOR A SUBSURFACE SEWAGE DISPOSAL SYSTEM

Application/Permit #: _____

Property Owner _____ Location 233 Boombridge Rd North Stonington, CT

DEEP TEST PIT DATA/SOIL DESCRIPTIONS

DATE: 2/7/2020

(Record all Test Pits)

TEST PIT: 3A	TEST PIT: 3B	TEST PIT: 3C	TEST PIT:
0-4" organic	0-4" organic, bigger rocks	0-5" organic	
4-9" dark brown silty clay	4-12" dark brown silty clay	5-12" MC dark brown sand, silt, clay	
9-32" brown silty clay	12-25" brown silty clay	12-29" grey cobbly silt loam	
32-101" grey silty loam with mottles	25-71" grey silty loam with mottles	29-101" beige tan cobbly silt loam	
	71-111" grey brown sandy loam		
Mottles: 32"	Mottles: 25"	Mottles: 29"	Mottles:
GW:	GW: 111", Seepage @ 96"	GW: 101, Seepage @ 83"	GW:
Ledge:	Ledge:	Ledge:	Ledge:
Roots:	Roots:	Roots:	Roots:
Restrictive:	Restrictive:	Restrictive:	Restrictive:

COMMENTS: _____

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

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

PERCOLATION TEST DATA

DATE: 2/7/2020

(Record all Perc Tests)

PERC: 3A		PERC: 3B		PERC: 3C		PERC:	
DEPTH: 12" @ 36" bench		DEPTH: 14" @ 36" bench		DEPTH: 16" @ 36" bench		DEPTH:	
PRESOAK:		PRESOAK:		PRESOAK:		PRESOAK:	
TIME	READING	TIME	READING	TIME	READING	TIME	READING
12:04	2.8"	12:01	3.2"	11:56	4.5"		
12:19	4.5"	12:16	4.4"	12:11	9.8" empty		
12:34	5.5"	12:31	4.9"	12:26	15" empty		
12:49	6.2"	12:46	5.4"				
1:04	6.7"	1:01	6.0"	refill			
				12:31	3.1"		
				12:46	7.1"		
PERC RATE: 2.0 in./hr		PERC RATE: 2.0 in./hr		PERC RATE:		PERC RATE:	

COMMENTS: _____

Form #2

Technical Standards for Subsurface Sewage Disposal Systems

SITE INVESTIGATION FOR A SUBSURFACE SEWAGE DISPOSAL SYSTEM

Application/Permit #: _____

Property Owner _____ Location 233 Boombridge Rd North Stonington, CT

DEEP TEST PIT DATA/SOIL DESCRIPTIONS

DATE: 2/10/2020

(Record all Test Pits)

TEST PIT: 4A	TEST PIT: 4B	TEST PIT: 4C	TEST PIT:
0-5" organic	0-5" organic	0-4" organic	
5-24" brown sandy loam with cobbles	5-33" light brown sandy loam with large rocks	4-32" light brown sandy loam with large rocks	
24-44" grey silty loam with cobbles	33-94" grey sandy loam with cobbles	32-87" grey sand with cobbles	
44-90" tan brown silty loam with cobbles			
Mottles:	Mottles:	Mottles:	Mottles:
GW:	GW:	GW:	GW:
Ledge:	Ledge:	Ledge:	Ledge:
Roots:	Roots:	Roots:	Roots:
Restrictive:	Restrictive:	Restrictive:	Restrictive:

COMMENTS: _____

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

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

PERCOLATION TEST DATA

DATE: 2/10/2020

(Record all Perc Tests)

PERC: 4A		PERC: 4B		PERC: 4C		PERC:	
DEPTH: 20" @ 30" bench		DEPTH: 20" @ 30" bench		DEPTH: 20" @ 30" bench		DEPTH:	
PRESOAK:		PRESOAK:		PRESOAK:		PRESOAK:	
TIME	READING	TIME	READING	TIME	READING	TIME	READING
10:12	5.5"	10:13	4.6"	10:17	6.2"		
10:27	11.5"	10:28	9.6"	10:32	9.1"		
10:42	14.5"	10:43	12.6"	10:47	11.1"		
10:57	16.5" empty	10:58	17" empty	11:02	12.2"		
				11:17	13.6"		
PERC RATE: 8.0 in./hr		PERC RATE: 12.0 in./hr		PERC RATE: 4.4 in./hr		PERC RATE:	

COMMENTS: _____

Form #2

Technical Standards for Subsurface Sewage Disposal Systems

SITE INVESTIGATION FOR A SUBSURFACE SEWAGE DISPOSAL SYSTEM

Application/Permit #: _____

Property Owner _____ Location 233 Boombridge Rd North Stonington, CT

DEEP TEST PIT DATA/SOIL DESCRIPTIONS

DATE: 2/10/2020

(Record all Test Pits)

TEST PIT: 5A	TEST PIT: 5B	TEST PIT: 5C	TEST PIT:
0-5" organic 5-32" light brown silty clay loam with boulders 32-101" grey sand with cobbles	0-5" organic 5-28" light brown fine sand loam with large rocks 28-106" grey course sand with cobbles	0-4" organic 4-31" light brown silt loam with large rocks 31" small pocket of clay with mottles 31-91" grey sandy loam with cobbles	
Mottles:	Mottles:	Mottles: <u>isolated pocket @ 31"</u>	Mottles:
GW:	GW:	GW:	GW:
Ledge:	Ledge:	Ledge:	Ledge:
Roots:	Roots:	Roots:	Roots:
Restrictive:	Restrictive:	Restrictive:	Restrictive:

COMMENTS: _____

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

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

PERCOLATION TEST DATA

DATE: 2/10/2020

(Record all Perc Tests)

PERC: 5A		PERC: 5B		PERC: 5C		PERC:	
DEPTH: 22" @ 30" bench		DEPTH: 23" @ 30" bench		DEPTH: 20" @ 30" bench		DEPTH:	
PRESOAK:		PRESOAK:		PRESOAK:		PRESOAK:	
TIME	READING	TIME	READING	TIME	READING	TIME	READING
11:37	8.7"	11:39	8.5"	11:41	3.1"		
11:52	17"	11:54	12.8"	11:56	8.2"		
12:07	21" empty	12:09	14.8"	12:11	11.6"		
		12:24	15.7"	12:26	13.1"		
		12:39	16.7"	12:41	14.5"		
PERC RATE: 16.0 in./hr		PERC RATE: 3.6 in./hr		PERC RATE: 5.6 in./hr		PERC RATE:	

COMMENTS: _____

Form #2

Technical Standards for Subsurface Sewage Disposal Systems

SITE INVESTIGATION FOR A SUBSURFACE SEWAGE DISPOSAL SYSTEM

Application/Permit #: _____

Property Owner _____ Location 233 Boombridge Rd North Stonington, CT

DEEP TEST PIT DATA/SOIL DESCRIPTIONS

DATE: 2/10/2020

(Record all Test Pits)

TEST PIT: 6A	TEST PIT: 6B	TEST PIT: 6C	TEST PIT:
0-3" organic	0-5" organic	0-4" organic	
3-24" light brown silt loam with large rocks	5-22" light brown silty loam with shale	4-22" light brown snady clay loam with boulders	
24-96" grey sand with cobbles	22-96" grey sandy loam with cobbles, pockets of grey clay	22-96" grey sand with cobbles, pockets of grey clay	
Mottles:	Mottles:	Mottles:	Mottles:
GW:	GW:	GW:	GW:
Ledge:	Ledge:	Ledge:	Ledge:
Roots:	Roots:	Roots:	Roots:
Restrictive:	Restrictive:	Restrictive:	Restrictive:

COMMENTS: _____

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

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

PERCOLATION TEST DATA

DATE: 2/10/2020

(Record all Perc Tests)

PERC: 6A		PERC: 6B		PERC: 6C		PERC:	
DEPTH: 24" @ 30" bench		DEPTH: 24" @ 30" bench		DEPTH: 24" @ 30" bench		DEPTH:	
PRESOAK:		PRESOAK:		PRESOAK:		PRESOAK:	
TIME	READING	TIME	READING	TIME	READING	TIME	READING
1:27	10.5"	1:29	9"	1:31	7.5"		
1:42	18.5"	1:44	16.5"	1:46	10"		
1:57	21.5" empty	1:59	18"	2:01	12.1"		
		2:14	19.5"	2:16	13.5"		
		2:29	21"	2:31	14.8"		
PERC RATE: 12.0 in./hr		PERC RATE: 6.0 in./hr		PERC RATE: 5.2 in./hr		PERC RATE:	

COMMENTS: _____

Form #2

Technical Standards for Subsurface Sewage Disposal Systems

SITE INVESTIGATION FOR A SUBSURFACE SEWAGE DISPOSAL SYSTEM

Property Owner _____ Application/Permit #: _____
 Location 233 Boombidge Rd North Stonington, CT

DEEP TEST PIT DATA/SOIL DESCRIPTIONS

DATE: 2/11/2020

(Record all Test Pits)

TEST PIT: 7A	TEST PIT: 7B	TEST PIT: 7C	TEST PIT:
0-3" organic	0-4" organic	0-4" organic	
3-30" light brown silty loam with large rocks	4-22" light brown silty loam with large rocks	4-15" light brown silty clay loam	
30-51" grey clay with boulders	22-44" grey clay	15-34" tan clay	
51-81" boulders with sand	44-91" brown course sand with boulders	34-83" brown course sand with boulders	
Mottles: 30"	Mottles: 22"	Mottles: 24"	Mottles:
GW:	GW:	GW:	GW:
Ledge:	Ledge:	Ledge:	Ledge:
Roots:	Roots:	Roots:	Roots:
Restrictive:	Restrictive:	Restrictive:	Restrictive:

COMMENTS: _____

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

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

PERCOLATION TEST DATA

DATE: _____

(Record all Perc Tests)

PERC:		PERC:		PERC:		PERC:	
DEPTH:		DEPTH:		DEPTH:		DEPTH:	
PRESOAK:		PRESOAK:		PRESOAK:		PRESOAK:	
TIME	READING	TIME	READING	TIME	READING	TIME	READING
PERC RATE:		PERC RATE:		PERC RATE:		PERC RATE:	

COMMENTS: _____

Form #2

Technical Standards for Subsurface Sewage Disposal Systems

SITE INVESTIGATION FOR A SUBSURFACE SEWAGE DISPOSAL SYSTEM

Property Owner _____ Application/Permit #: _____
 Location 233 Boombidge Rd North Stonington, CT

DEEP TEST PIT DATA/SOIL DESCRIPTIONS

DATE: 2/11/2020

(Record all Test Pits)

TEST PIT: 8A	TEST PIT: 8B	TEST PIT: 8C	TEST PIT:
0-3" organic 3-20" light brown silt loam with large rocks 20-41" tan clay 41-82" sandy loam with boulders	0-4" organic 4-31" brown silty clay loam with large rocks 31-91" grey sandy loam with large rocks	0-5" organic 5-25" cobbly light brown silt loam 25-47" grey silt loam 47-98" grey silty clay	
Mottles: 31"	Mottles: 31"	Mottles: 25"	Mottles:
GW:	GW:	GW: 98", Seepage @ 85"	GW:
Ledge:	Ledge:	Ledge:	Ledge:
Roots:	Roots:	Roots:	Roots:
Restrictive:	Restrictive:	Restrictive:	Restrictive:

COMMENTS: _____

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

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

PERCOLATION TEST DATA

DATE: _____

(Record all Perc Tests)

PERC:		PERC:		PERC:		PERC:	
DEPTH:		DEPTH:		DEPTH:		DEPTH:	
PRESOAK:		PRESOAK:		PRESOAK:		PRESOAK:	
TIME	READING	TIME	READING	TIME	READING	TIME	READING
PERC RATE:		PERC RATE:		PERC RATE:		PERC RATE:	

COMMENTS: _____

Form #2

Technical Standards for Subsurface Sewage Disposal Systems

SITE INVESTIGATION FOR A SUBSURFACE SEWAGE DISPOSAL SYSTEM

Property Owner _____ Application/Permit #: _____
 Location 233 Boombridge Rd North Stonington, CT

DEEP TEST PIT DATA/SOIL DESCRIPTIONS

DATE: 2/11/2020

(Record all Test Pits)

TEST PIT: 9A	TEST PIT: 9B	TEST PIT: 9C	TEST PIT:
0-4" organic 4-25" light brown silt loam with large rocks 25-40" grey clay 40-62" brown sandy loam with cobbles	0-4" organic 4-30" light brown silty loam with large rocks 30-65" grey clay 65-77" brown sandy loam with cobbles	0-6" organic 6-28" brown sandy loam 28-41" gray fine sandy loam 41-70" gray loamy sand with cobbles	
Mottles: 25"	Mottles: 30"	Mottles: 28"	Mottles:
GW: 62", Seepage @ 49"	GW: 77", Seepage @ 62"	GW: 70", Seepage @ 67"	GW:
Ledge:	Ledge:	Ledge:	Ledge:
Roots:	Roots:	Roots:	Roots:
Restrictive:	Restrictive:	Restrictive:	Restrictive:

COMMENTS: _____

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

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

PERCOLATION TEST DATA

DATE: _____

(Record all Perc Tests)

PERC:		PERC:		PERC:		PERC:	
DEPTH:		DEPTH:		DEPTH:		DEPTH:	
PRESOAK:		PRESOAK:		PRESOAK:		PRESOAK:	
TIME	READING	TIME	READING	TIME	READING	TIME	READING
PERC RATE:		PERC RATE:		PERC RATE:		PERC RATE:	

COMMENTS: _____
