

FOR PERMITTING PURPOSES ONLY
NOT RELEASED FOR CONSTRUCTION

DEEP TEST HOLE EVALUATION - August 23, 2001 ENVIRONMENTAL PLANNING & SOIL SCIENCE, LLC		
TEST PIT	DEPTH	PROFILE
1	0" - 8" 8" - 18" 18" - 60" 60" - 82" Ledge GWT Mottling	Dark Yellowish Brown Fine Sandy Loam Dark Yellowish Brown Sandy Loam Yellowish Brown to Dk. Y.B. Sand & Gravel Brown Fine Sand N/A N/A N/A
2	0" - 12" 12" - 23" 23" - 38" 38" - 64" Ledge GWT Mottling	Dark Yellowish Brown Fine Sandy Loam Dark Y. B. Fine Sandy Loam Y. B. to Dark Y.B. Sand & Gravel Brown Fine Sand N/A N/A N/A
3	0" - 12" 12" - 24" 24" - 64" Ledge GWT Mottling	Dark Brown Fine Sandy Loam Strong Brown Sandy Loam Bm. to Strong Bm. Sand & Gravel N/A N/A N/A
4	0" - 8" 8" - 22" 22" - 72" 72" - 64" Ledge GWT Mottling	Dark Brown Fine Sandy Loam Dark Yellowish Brown Fine Sandy Loam Yellowish Brown to Bm. Sand & Gravel Brown Sand N/A N/A N/A
PERCOLATION EVALUATION - August 23, 2001 ENVIRONMENTAL PLANNING & SOIL SCIENCE, LLC		
HOLE	RATE	
A	8 MIN./IN.	
B	2 MIN./IN.	

TEST PIT LOGS AND PERCOLATION TEST DATA
FROM SITE PLAN FOR PROTECH SERVICES DATED 10/01/2001



Percolation Test Data
580 Lake Road - Andover, CT

Percolation test performed on October 13, 2021 By: Sarah LeClerc

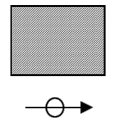
Perc Test for BL TP-7 (10' from TP-1)			
Depth = 58" below grade			
Elapsed Time (Min.)	Depth (ft)	Change in Depth (in.)	Rate (min/inch)
0	0.00	1.20	0.83
1	0.10	1.20	0.83
2	0.20		
3	0.27	0.84	1.19
4	0.34	0.84	1.19
5	0.41	0.84	1.19
6	0.46	0.60	1.67
7	0.49	0.36	2.78
8	0.54	0.60	1.67
9	0.58	0.48	2.08
10	0.60	0.24	4.17
11	0.63	0.24	4.17
12	0.65	0.36	2.78
13	0.68	0.24	4.17
14	0.70	0.24	4.17
15	0.72	0.24	4.17
16	0.74	0.24	4.17
17	0.75	0.12	8.33
18	0.76	0.12	8.33
19	0.78	0.24	4.17
20	0.80	0.12	8.33
21	0.81	0.12	8.33
22	0.83	0.24	4.17
23	0.84	0.12	8.33
24	0.85	0.12	8.33
25	0.86	0.24	4.17
26	0.88	0.24	4.17
Slowest rate = 8.33 min/in			
Hole Percolated Prior to Test (11:38 AM - 12:06 PM) 30 min.			
Hole Dia. = 7"			
Hole Depth = 10'			

C-TST-2101726-Perc Tests-2021-10-13.xls



580 Lake Road, Andover, CT

TP-1
BL Project #2101726
October 13, 2021

TEST PIT FIELD LOG				
PERSONNEL PRESENT		EXCAVATION EQUIPMENT		
Sarah LeClerc - BL Companies		Contractor Suboski	Ground Surface Elevation 292.10	
		Operator	Datum NAVD 88	
		Make Model CAT	Temperature 55-70	
		Bucket Capacity Reach	Weather Foggy/Partly Cloudy	
Depth	SOIL DESCRIPTION	Excav. Effort	Cobble and Boulder Data	Remark No.
0"-17"	Topsoil	E		
17"-30"	Orange/Brown Fine Sandy Loam	E		
30"-59"	Brown Sand and Medium/Course Gravel and Cobbles	E	and cobbles	
59"-129"	Brown Medium Sand, Stratified	E	trace cobbles	2
Bottom of Test Pit at 129"				
REMARKS: 1. Mottling was not observed. 2. Ground water was observed at 104" 3. Bedrock was not observed.				
TEST PIT PLAN	COBBLES AND BOULDERS	PROPORTIONS USED (QUANTITATIVE TERMS)	LEGEND QUALITATIVE TERMS	EXCAVATION EFFORT
	Size Range Classification 3" - 12" Cobble (C) 12" - 24" Small (S) 24" - 36" Medium (M) 36" and Larger Large (L)	Letter Designation COBBLE (C) SMALL (S) MEDIUM (M) LARGE (L)	TRACE (TR) 0-10% LITTLE (LI) 10-20% SOME (SO) 20-35% AND 35-50% OCCASIONAL FEW FREQUENT NUMEROUS	E - Easy M - Moderate D - Difficult Observed Depth to Groundwater

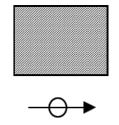
355 Research Parkway Meriden, CT 06450 Tel.(203) 630-1406 Fax (203) 630-2615
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580 Lake Road, Andover, CT

TP-2
BL Project #2101726
October 13, 2021

TEST PIT FIELD LOG				
PERSONNEL PRESENT		EXCAVATION EQUIPMENT		
Sarah LeClerc - BL Companies		Contractor Suboski	Ground Surface Elevation 292.50	
		Operator	Datum NAVD 88	
		Make Model CAT	Temperature 55-70	
		Bucket Capacity Reach	Weather Foggy/Partly Cloudy	
Depth	SOIL DESCRIPTION	Excav. Effort	Cobble and Boulder Data	Remark No.
0"-16"	Topsoil	E		
16"-33"	Orange/Brown Fine Sandy Loam	E		
33"-66"	Brown Sand and Medium/Course Gravel and Cobbles	E	and cobbles	
66"-156"	Brown Medium Sand, Stratified	E	trace cobbles	2
Bottom of Test Pit at 156"				
REMARKS: 1. Mottling was not observed. 2. Ground water was observed at 109" 3. Bedrock was not observed.				
TEST PIT PLAN	COBBLES AND BOULDERS	PROPORTIONS USED (QUANTITATIVE TERMS)	LEGEND QUALITATIVE TERMS	EXCAVATION EFFORT
	Size Range Classification 3" - 12" Cobble (C) 12" - 24" Small (S) 24" - 36" Medium (M) 36" and Larger Large (L)	Letter Designation COBBLE (C) SMALL (S) MEDIUM (M) LARGE (L)	TRACE (TR) 0-10% LITTLE (LI) 10-20% SOME (SO) 20-35% AND 35-50% OCCASIONAL FEW FREQUENT NUMEROUS	E - Easy M - Moderate D - Difficult Observed Depth to Groundwater

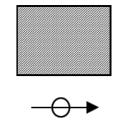
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580 Lake Road, Andover, CT

TP-3
BL Project #2101726
October 13, 2021

TEST PIT FIELD LOG				
PERSONNEL PRESENT		EXCAVATION EQUIPMENT		
Sarah LeClerc - BL Companies		Contractor Suboski	Ground Surface Elevation 294.50	
		Operator	Datum NAVD 88	
		Make Model CAT	Temperature 55-70	
		Bucket Capacity Reach	Weather Foggy/Partly Cloudy	
Depth	SOIL DESCRIPTION	Excav. Effort	Cobble and Boulder Data	Remark No.
0"-12"	Topsoil	E		
12"-26"	Orange/Brown Fine Sandy Loam	E		
26"-74"	Brown Sand and Cobbles and Small Boulders	E	d cobbles/boulders	
74"-153"	Brown Medium Sand, Stratified	E	trace cobbles	2
Bottom of Test Pit at 153"				
REMARKS: 1. Mottling was not observed. 2. Ground water was observed at 121" 3. Bedrock was not observed.				
TEST PIT PLAN	COBBLES AND BOULDERS	PROPORTIONS USED (QUANTITATIVE TERMS)	LEGEND QUALITATIVE TERMS	EXCAVATION EFFORT
	Size Range Classification 3" - 12" Cobble (C) 12" - 24" Small (S) 24" - 36" Medium (M) 36" and Larger Large (L)	Letter Designation COBBLE (C) SMALL (S) MEDIUM (M) LARGE (L)	TRACE (TR) 0-10% LITTLE (LI) 10-20% SOME (SO) 20-35% AND 35-50% OCCASIONAL FEW FREQUENT NUMEROUS	E - Easy M - Moderate D - Difficult Observed Depth to Groundwater

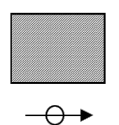
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580 Lake Road, Andover, CT

TP-4
BL Project #2101726
October 13, 2021

TEST PIT FIELD LOG				
PERSONNEL PRESENT		EXCAVATION EQUIPMENT		
Sarah LeClerc - BL Companies		Contractor Suboski	Ground Surface Elevation 296.20	
		Operator	Datum NAVD 88	
		Make Model CAT	Temperature 55-70	
		Bucket Capacity Reach	Weather Foggy/Partly Cloudy	
Depth	SOIL DESCRIPTION	Excav. Effort	Cobble and Boulder Data	Remark No.
0"-13"	Topsoil	E		
13"-28"	Orange/Brown Fine Sandy Loam	E		
28"-80"	Brown Sand and Medium/Course Gravel and Cobbles	E	d cobbles/boulders	
80"-101"	Orange/Brown Fine Sandy Loam	E	trace cobbles	2
101"-153"	Brown Medium Sand, Stratified	E	trace cobbles	2
Bottom of Test Pit at 153"				
REMARKS: 1. Mottling was not observed. 2. Ground water was observed at 127" 3. Bedrock was not observed. 4. Soil sample was taken at 43".				
TEST PIT PLAN	COBBLES AND BOULDERS	PROPORTIONS USED (QUANTITATIVE TERMS)	LEGEND QUALITATIVE TERMS	EXCAVATION EFFORT
	Size Range Classification 3" - 12" Cobble (C) 12" - 24" Small (S) 24" - 36" Medium (M) 36" and Larger Large (L)	Letter Designation COBBLE (C) SMALL (S) MEDIUM (M) LARGE (L)	TRACE (TR) 0-10% LITTLE (LI) 10-20% SOME (SO) 20-35% AND 35-50% OCCASIONAL FEW FREQUENT NUMEROUS	E - Easy M - Moderate D - Difficult Observed Depth to Groundwater

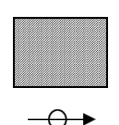
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580 Lake Road, Andover, CT

TP-5
BL Project #2101726
October 13, 2021

TEST PIT FIELD LOG				
PERSONNEL PRESENT		EXCAVATION EQUIPMENT		
Sarah LeClerc - BL Companies		Contractor Suboski	Ground Surface Elevation 293.95	
		Operator	Datum NAVD 88	
		Make Model CAT	Temperature 55-70	
		Bucket Capacity Reach	Weather Foggy/Partly Cloudy	
Depth	SOIL DESCRIPTION	Excav. Effort	Cobble and Boulder Data	Remark No.
0"-20"	Topsoil	E		
20"-41"	Orange/Brown Fine Sandy Loam	E		
41"-76"	Brown Sand and Medium/Course Gravel and Cobbles	E	and cobbles	
76"-130"	Red/Brown Fine Sandy Loam	E	trace cobbles	2
Bottom of Test Pit at 130"				
REMARKS: 1. Mottling was not observed. 2. Ground water was observed at 120" 3. Bedrock was not observed. 4. Soil sample was taken at 60".				
TEST PIT PLAN	COBBLES AND BOULDERS	PROPORTIONS USED (QUANTITATIVE TERMS)	LEGEND QUALITATIVE TERMS	EXCAVATION EFFORT
	Size Range Classification 3" - 12" Cobble (C) 12" - 24" Small (S) 24" - 36" Medium (M) 36" and Larger Large (L)	Letter Designation COBBLE (C) SMALL (S) MEDIUM (M) LARGE (L)	TRACE (TR) 0-10% LITTLE (LI) 10-20% SOME (SO) 20-35% AND 35-50% OCCASIONAL FEW FREQUENT NUMEROUS	E - Easy M - Moderate D - Difficult Observed Depth to Groundwater

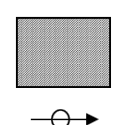
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580 Lake Road, Andover, CT

TP-6
BL Project #2101726
October 13, 2021

TEST PIT FIELD LOG				
PERSONNEL PRESENT		EXCAVATION EQUIPMENT		
Sarah LeClerc - BL Companies		Contractor Suboski	Ground Surface Elevation 293.30	
		Operator	Datum NAVD 88	
		Make Model CAT	Temperature 55-70	
		Bucket Capacity Reach	Weather Foggy/Partly Cloudy	
Depth	SOIL DESCRIPTION	Excav. Effort	Cobble and Boulder Data	Remark No.
0"-20"	Topsoil	E		
20"-31"	Orange/Brown Fine Sandy Loam	E		
31"-83"	Brown Sand and Medium/Course Gravel and Cobbles	E	and cobbles	
83"-110"	Red/Brown Fine Sandy Loam	E	trace cobbles	2
Bottom of Test Pit at 110"				
REMARKS: 1. Mottling was not observed. 2. Ground water was observed at 101" 3. Bedrock was not observed. 4. Soil sample was taken at 53".				
TEST PIT PLAN	COBBLES AND BOULDERS	PROPORTIONS USED (QUANTITATIVE TERMS)	LEGEND QUALITATIVE TERMS	EXCAVATION EFFORT
	Size Range Classification 3" - 12" Cobble (C) 12" - 24" Small (S) 24" - 36" Medium (M) 36" and Larger Large (L)	Letter Designation COBBLE (C) SMALL (S) MEDIUM (M) LARGE (L)	TRACE (TR) 0-10% LITTLE (LI) 10-20% SOME (SO) 20-35% AND 35-50% OCCASIONAL FEW FREQUENT NUMEROUS	E - Easy M - Moderate D - Difficult Observed Depth to Groundwater

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PERCOLATION TEST DATA

TEST PIT LOGS