Geosearch Inc.

Client: Rueben Hour Library | Date: | Page # 1 of

Location RHL 41 Shattuck St. Littleton, MA

Boring No. B-1 | Ground Elev | Date Start 9/22/16 | Date Complete 9/22/16 | Drilling Foreman: Justin Emma | Eng/Hydrol. Geologist:

DEPTH	Sample Data: Sample NO.	Sample Data: Sample Depth(ft.)	Blows 6" Penetration	Rec. Inches	Casing Blows Per Ft.	Strata Change Depth	Visual Identification of Soil and/or Rock Strata
	1	0' - 2'	3-4-4-2	12			Dry. Very loose. Tan. Fine/Very fine sand. Trace small gravel.
5	2	5' - 7'	3-4-4-4	18			Dry. Very loose. Tan. Fine/Very fine sand.
10	3	10' - 12'	3-4-5-5	18			Dry. Loose. Tan. Fine/Very fine sand.
15	4	15' - 17'	3-5-5-6	20			Dry. Loose. Tan. Fine/Very fine sand. Some silt.
20	5	20' - 22'	5-6-6-6	20			Dry. Medium dense. Tan. Fine/Very fine sand. Some silt.
25	6	25' - 27'	5-6-11-9	20			Damp. Medium dense. Tan. Very fine sand and silt.
30	7	30' - 32'	6-8-8-10				Dry. Medium dense. Tan. Very fine sand. Trace silt.
35							

Type Of Boring: Casing Size | Hollow Stem Auger Size

Standard Penetration Test (ST) = 140lb hammer falling 30"

Proportion Percentages	Granular Soils (blows per ft.)		Cohesive Soils (blows per ft.)	
Trace 0 to 10%	0 to 4 Very Loose	30 to 50 Dense	0 to 2 Very Soft	8 to 15 Stiff
Some 10 to 40%	4 to 10 Loose	Over 50 Very Dense	2 to 4 Soft	15 to 30 Very Stiff
And 40 to 50%	10 to 30 Medium Dense		4 to 8 Medium Stiff	Over 30 Hard

Blows are per 6" taken with an 24" long X 2" OD X 1 3/8" I.D.

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Client: Rueben Hour Library		Date:	Page # 1 of
Location RHL 41 Shattuck St. Littleton, MA			
Boring No. B-2	Ground Elev	Date Start 9/22/16	Date Complete 9/22/16
Drilling Foreman: Justin Emma		Eng/Hydrol. Geologist:	

DEPTH	Sample Data: Sample NO.	Sample Depth(ft.)	Blows 6" Penetration	Rec. Inches	Casing Blows Per Ft.	Strata Change Depth	Visual Identification of Soil and/or Rock Strata
	1	0' - 2'	7-8-7-6	20		0-14"	Dry. Medium dense. Brown. Very fine/fine sand and gravel.
						14"-20"	Dry. Medium dense. Tan. Very fine/fine sand.
5	2	5' - 7'	2-3-3-3	12			Dry. Loose. Light brown. Very fine/fine sand and medium sand.
10	3	10' - 12'	5-6-8-17	14			Dry. Dense. Light brown. Very fine/fine sand and small to medium rolled grave. Trace angular gravel. Trace large gravel.
15	4	15' - 17'	6-8-8-18	24			Water at 15'
						0-12"	Wet. Dense. Tan/grey. Very fine sand and silt.
						12"-24"	Wet. Dense. Brown. Very fine/fine sand and silt.
20	5	20' - 22'	3-6-6-8	18			Wet. Medium dense. Tan. Very fine sand. Some silt.
25							End of Boring at 22'.
30							
35							

Type Of Boring: Casing Size Hollow Stem Auger Size

Standard Penetration Test (ST) = 140lb hammer falling 30"

Proportion Percentages	Granular Soils (blows per ft.)		Cohesive Soils (blows per ft.)	
Trace 0 to 10%	0 to 4 Very Loose	30 to 50 Dense	0 to 2 Very Soft	8 to 15 Stiff
Some 10 to 40%	4 to 10 Loose	Over 50 Very Dense	2 to 4 Soft	15 to 30 Very Stiff
And 40 to 50%	10 to 30 Medium Dense		4 to 8 Medium Stiff	Over 30 Hard

Blows are per 6" taken with an 24" long X 2" OD X 1 3/8" I.D.

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Client: Rueben Hour Library			Date:		Page # 1 of
Location RHL 41 Shattuck St. Littleton, MA					
Boring No. B-3	Ground Elev	Date Start 9/22/16	Date Complete 9/22/16	Drilling Foreman: Justin Emma	Eng/Hydrol. Geologist:

DEPTH	Sample Data: Sample NO.	Sample Data: Sample Depth(ft.)	Blows 6" Penetration	Rec. Inches	Casing Blows Per Ft.	Strata Change Depth	Visual Identification of Soil and/or Rock Strata
	1	0' - 2'	4-7-11-12	18			Dry. Dense. Brown. Fine/medium sand. Some gravel.
5	2	5' - 7'	5-7-7-9	20			Dry. Medium dense. Tan. Very fine sand. Some medium sand. Trace medium gravel.
							Water at 10'
10	3	10' - 12'	3-5-8-8	24		0-20"	Wet. Medium dense. Tan/grey. Very fine/medium sand. Some coarse sand. Trace medium gravel.
						20"-24"	Wet. Medium dense. Dark brown/black. Medium/coarse sand. Some fine sand. Trace silt.
15							
15	4	15' - 17'	4-6-7-11	24			Wet. Medium dense. Brown. Very fine sand. Some silt.
20	5	20' - 22'	TFA				Wet. Medium dense. Brown. Very fine sand. Some silt.
25							End of Boring at 20'. Sample taken from auger. Running sands preventing accurate split spoon sample.
30							
35							

Type Of Boring: Casing Size Hollow Stem Auger Size

Standard Penetration Test (ST) = 140lb hammer falling 30"

Proportion Percentages	Granular Soils (blows per ft.)		Cohesive Soils (blows per ft.)	
Trace 0 to 10%	0 to 4 Very Loose	30 to 50 Dense	0 to 2 Very Soft	8 to 15 Stiff
Some 10 to 40%	4 to 10 Loose	Over 50 Very Dense	2 to 4 Soft	15 to 30 Very Stiff
And 40 to 50%	10 to 30 Medium Dense		4 to 8 Medium Stiff	Over 30 Hard

Blows are per 6" taken with an 24" long X 2" OD X 1 3/8" I.D.