



Field Observation Report

Project Number: 2200330
Project Name: East Granby Warehouse
Date of Field Visit: June 28, 2022
Weather Conditions: Sunny Temperature: Approx. 66°F
Prepared By: Taylor Joubert, EIT

Copies of Report Have Been Sent To: Client Contractor Other

Client:

GFI Partners, LLC
133 Pearl Street
Boston, MA 02110

Contractor:

BL Companies
220 Norwood Park South, Suite 201
Norwood, MA 02062

Five test pits were excavated by a mini excavator and described to varying depths under the supervision of Matthew Bruton, registered Connecticut Professional Engineer. According to the Web Soil Survey, soils within the area of the pits are described by the USDA-NRCS as Udorthents-Urban land complex.

Additionally, an infiltration test using the falling head method was conducted on soil from Test Pit #1. Infiltration testing was conducted by taking two samples of soil using a pipe hammered into the side wall of the test pit. There was approximately 5.5 inches of soil in the cylinder. The pipes were placed in a bucket full of highly permeable sand where each sample was presoaked. After the water had saturated the soil sample, the cylinder was refilled and monitored to see how far the water level dropped every thirty seconds. These measurements were used to find the infiltration rate.

Field Observation Report

Pit Number	Pit Location (Decimal Degrees)	Observed Limiting Layer	Infiltration Test Depth (inches below the surface)	Infiltration Rate (inches/hour)
Test Pit #1	41.934, -72.7099	90 inches, Light Brown Sand	Sample Taken	134.59
Test Pit #2	41.9315, -72.7097	84 inches, Light Brown Sand	Not Conducted	N/A
Test Pit #3	41.9316, -72.7106	72 inches, Light Brown Sand	Not Conducted	N/A
Test Pit #4	41.9306, -72.7105	66 inches, Light Brown Sand	Not Conducted	N/A
Test Pit #5	41.9305, -72.7098	96 inches, Light Brown Sand	Not Conducted	N/A

A test pit location map, soil profile logs, photographs, and USDA-NRCS Soil Survey information are attached.



**Proposed Warehouse Development - 7 Bradley Park Road East
Granby, CT**

TP-1
BL Project #2200330
June 28, 2022

TEST PIT FIELD LOG

PERSONNEL PRESENT		EXCAVATION EQUIPMENT						
Connor Campbell- BL Companies Matthew Bruton-BL Companies		Contractor	Total Access Construction Co.			Ground Surface Elevation 72.00		
		Operator	Joe			Datum NAVD 88		
		Make	Cat	Model	303.5E CR		Temperature 66	
		Bucket Capacity		Reach			Weather Sunny	

Depth	SOIL DESCRIPTION	Excav. Effort	Cobble and Boulder Data	Remark No.
0"-3"	Pavement	E		
3"-15"	Red Gravelly Subbase	E		
15"-90"	Light Brown Sand	E		
Bottom of Test Pit at 90" (7'-6")				

REMARKS:

1. Ground water was not observed.
2. Bedrock was not observed

TEST PIT PLAN	LEGEND			
	COBBLES AND BOULDERS Size Range Letter Classification Designation 3" - 12" Cobble (C) 12" - 24" Small (S) 24" - 36" Medium (M) 36" and Larger Large (L)	PROPORTIONS USED (QUANTITATIVE TERMS) TRACE (TR) 0-10% LITTLE (LI) 10-20% SOME (SO) 20-35% MANY (MA) 35-50%	QUALITATIVE TERMS OCCASIONAL FEW FREQUENT NUMEROUS	EXCAVATION EFFORT E - Easy M - Moderate D - Difficult ▼ Observed Depth to Groundwater



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TEST PIT FIELD LOG

PERSONNEL PRESENT		EXCAVATION EQUIPMENT				
Connor Campbell- BL Companies Matthew Bruton-BL Companies		Contractor	Total Access Construction Co.		Ground Surface Elevation	72.00
		Operator	Joe		Datum	NAVD 88
		Make	Cat	Model 303.5E CR	Temperature	66
		Bucket Capacity		Reach	Weather	Sunny

Depth	SOIL DESCRIPTION	Excav. Effort	Cobble and Boulder Data	Remark No.
0"-2"	Pavement	E		
2"-16"	Red Gravelly subbase	E		
16"-84"	Light Brown Sand	E		3
Bottom of Test Pit at 84" (7')				

REMARKS:

- Ground water was not observed.
- Bedrock was not observed.
- Sandy soil caving in, test pit terminated to avoid making a larger cut in the pavement.

TEST PIT PLAN		LEGEND			
	COBBLES AND BOULDERS		PROPORTIONS USED (QUANTITATIVE TERMS)	QUALITATIVE TERMS	EXCAVATION EFFORT
	Size Range Classification 3" - 12" 12" - 24" 24" - 36" 36" and Larger	Letter Designation Cobble (C) Small (S) Medium (M) Large (L)	TRACE (TR) 0-10% LITTLE (LI) 10-20% SOME (SO) 20-35% MANY (MA) 35-50%	OCCASIONAL FEW FREQUENT NUMEROUS	E - Easy M - Moderate D - Difficult ▼ Observed Depth to Groundwater



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PERSONNEL PRESENT		EXCAVATION EQUIPMENT					
Connor Campbell- BL Companies Matthew Bruton-BL Companies		Contractor	Total Access Construction Co.			Ground Surface Elevation	72.00
		Operator	Joe			Datum	NAVD 88
		Make	Cat	Model	303.5E CR	Temperature	66
		Bucket Capacity		Reach		Weather	Sunny

Depth	SOIL DESCRIPTION	Excav. Effort	Cobble and Boulder Data	Remark No.
0"-6"	Topsoil	E		
6"-72"	Light Brown Sand	E		
Bottom of Test Pit at 72" (6')				

REMARKS:

1. Ground water was not observed.
2. Bedrock was not observed.

TEST PIT PLAN	LEGEND			
	COBBLES AND BOULDERS	PROPORTIONS USED (QUANTITATIVE TERMS)	QUALITATIVE TERMS	EXCAVATION EFFORT
	Size Range Classification 3" - 12" 12" - 24" 24" - 36" 36" and Larger	Letter Designation Cobble (C) Small (S) Medium (M) Large (L)	TRACE (TR) 0-10% LITTLE (LI) 10-20% SOME (SO) 20-35% MANY (MA) 35-50%	OCCASIONAL FEW FREQUENT NUMEROUS ▽ Observed Depth to Groundwater
				E - Easy M - Moderate D - Difficult

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

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Connor Campbell- BL Companies Matthew Bruton-BL Companies		Contractor	Total Access Construction Co.			Ground Surface Elevation	72.00
		Operator	Joe			Datum	NAVD 88
		Make	Cat	Model	303.5E CR	Temperature	66
		Bucket Capacity		Reach		Weather	Sunny

Depth	SOIL DESCRIPTION	Excav. Effort	Cobble and Boulder Data	Remark No.
0"-6"	Topsoil	E		
6"-42"	Red Gravelly fill with few roots and a occasional 1-2" stone	E		
42"-66"	Light Brown Sand	E		
Bottom of Test Pit at 66" (5.5')				

REMARKS:

1. Ground water was not observed.
2. Bedrock was not observed.

TEST PIT PLAN	LEGEND			
	COBBLES AND BOULDERS	PROPORTIONS USED (QUANTITATIVE TERMS)	QUALITATIVE TERMS	EXCAVATION EFFORT
	Size Range Letter Classification Designation 3" - 12" Cobble (C) 12" - 24" Small (S) 24" - 36" Medium (M) 36" and Larger Large (L)	TRACE (TR) 0-10% LITTLE (LI) 10-20% SOME (SO) 20-35% MANY (MA) 35-50%	OCCASIONAL FEW FREQUENT NUMEROUS	E - Easy M - Moderate D - Difficult ▼ Observed Depth to Groundwater



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Connor Campbell- BL Companies		Contractor	Total Access Construction Co.			Ground Surface Elevation 72.00	
Matthew Bruton-BL Companies		Operator	Joe			Datum NAVD 88	
		Make	Cat	Model	303.5E CR	Temperature 66	
		Bucket Capacity		Reach		Weather Sunny	

Depth	SOIL DESCRIPTION	Excav. Effort	Cobble and Boulder Data	Remark No.
0" - 6"	Angular Gravel	E		
6" - 6"	Landscaping Fabric	M		
6" - 96"	Light Brown Sand	E		1
Bottom of Test Pit at 96" (8')				

REMARKS:

1. Ground water was observed at 7 feet.
2. Bedrock was not observed.

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	COBBLES AND BOULDERS Size Range Letter Classification Designation 3" - 12" Cobble (C) 12" - 24" Small (S) 24" - 36" Medium (M) 36" and Larger Large (L)	PROPORTIONS USED (QUANTITATIVE TERMS) TRACE (TR) 0-10% LITTLE (LI) 10-20% SOME (SO) 20-35% MANY (MA) 35-50%	QUALITATIVE TERMS OCCASIONAL FEW FREQUENT NUMEROUS	EXCAVATION EFFORT E - Easy M - Moderate D - Difficult ▼ Observed Depth to Groundwater

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