



Environmental Strategy & Engineering

November 25, 2020

GeoInsight Project 11120-000

Cela Sinay-Bernie
CP NB Solar I, LLC
CP NB Solar II, LLC
55 Greens Farms Road, Suite 200-78
Westport, Connecticut 06880

Re: Geotechnical Data Report
North Branford Ground Mount
127 Forest Road
North Branford, Connecticut

1.0 INTRODUCTION

GeoInsight, Inc. (GeoInsight) prepared this geotechnical data report for Citrine Power (Citrine) to present the results of a limited geotechnical investigation for the above-referenced project. Our services were performed in general accordance with a written scope of services dated October 26, 2020 and approval by Citrine. This report is subject to the Limitations included herein.

2.0 PROJECT INFORMATION

The project generally consists of development of a new ground-mount solar array on an approximately 6-acre portion of land at 127 Forest Road in North Branford, Connecticut (the Site; Figure 1). Our current understanding of the proposed project is based upon review of a Concept Plan 2 dated June 24, 2020.

The proposed 6-acre array area is currently an undeveloped agricultural property. Ground surface in the proposed array area currently consists of an open agricultural field. We understand that the proposed new array is to be constructed at the existing grades.

3.0 SUBSURFACE EXPLORATION PROGRAM

Subsurface explorations at the Site were conducted on October 27, 2020 and consisted of a total of ten test pits identified as TP-1 through TP-10. The test pits were excavated by Butler Construction using a CAT 308E2 CR mini excavator to depths ranging from approximately 5.5 to 12.5 feet below ground surface (bgs).

Test pit locations were selected based upon the Concept Plan 2 referenced herein, with the intent of the test pits being spatially distributed throughout the proposed solar array area. The test pits were established in the field using a handheld global positioning system (GPS) unit. Ground surface

NEW HAMPSHIRE
186 Granite Street
3rd Floor, Suite A
Manchester, NH 03101-2643
Tel 603.314.0820

MASSACHUSETTS
1 Monarch Drive
Suite 201
Littleton, MA 01460
Tel 978.679.1600

MAINE
4 Market Place Drive
2nd Floor, Suite 207
York, ME 03909
Tel 207.606.1043

CONNECTICUT
200 Court Street
2nd Floor
Middletown, CT 06457
Tel 860.894.1022



elevations recorded on the test pit logs are based upon data obtained from the CTECO Connecticut Elevation Viewer (<https://cteco.uconn.edu/viewers/ctelevation/>). The approximate locations of the test pits are shown on Figure 2.

Soil samples collected from the test pits were field screened for presence of volatile organic compounds (VOCs) using a MiniRae 3000 photo-ionization detector (PID) calibrated to a 100 parts per million (ppm) isobutylene standard. Field screening results indicated VOCs at less than 1 ppm to a maximum of 2.1 ppm. Field screening results are reported on the test pit logs.

GeoInsight oversaw the subsurface explorations, collected soil samples, field screened select soil samples, measured apparent groundwater levels, and prepared test pit logs. Soil samples were placed in sealed containers and returned with the field logs to GeoInsight's office for further evaluation and testing. Soil samples were classified in general accordance with visual and manual procedures (ASTM D 2488) and described using modified Burmister Soil Classification System descriptors. The final test pit logs are included in Attachment A. Stratification lines shown on the test pit logs represent approximate boundaries between soil types encountered. The actual transitions will likely be more gradual and may vary over short distances.

4.0 SUBSURFACE CONDITIONS

General

The soil profile and conditions outlined below highlight the major subsurface stratifications at the Site. The individual test pit logs should be consulted for detailed descriptions of the subsurface conditions encountered at the test pit locations. When reviewing the test pit records and the subsurface profile, it should be understood that soil conditions might vary away from the test pit locations. Variations in subsurface conditions are possible laterally and with depth that are not identified on the test pit logs or otherwise in this report.

Overburden Soils

Subsurface conditions at the Site generally consisted of a surficial tilled layer (agriculturally tilled) with miscellaneous debris underlain by a reworked native sand layer (fill; at two locations) and a native stratified drift deposit.

The surficial tilled layer was observed to depths ranging from approximately 1 to 2 feet bgs, and was generally described as a dark brown to brown, heterogeneous mixture of fine to medium sand and silt, with little gravel, trace amounts of clay, trace amounts of cobbles, trace amounts of miscellaneous debris (asphalt, brick, woody material and concrete), and trace amounts of roots. Miscellaneous debris was specifically encountered at five test pit locations.

A layer of reworked native soil/fill was encountered at two test pit locations (TP-4 and TP-10) to depths ranging from approximately 5 to 7 feet bgs. The reworked native soil/fill was generally described as brown, fine to medium sand, with some to little amounts of gravel and silt, and trace amounts of cobbles.



A native stratified drift deposit was encountered at each of the test pits, to the termination depths of the explorations. The native stratified drift deposit was generally described as reddish-brown, light brown or orange, fine to medium sand, with some to trace amounts of gravel, trace amounts of silt, and occasional cobbles. The native deposit also included layers of very fine to fine sand and fine to coarse sand, and trace amounts of clay were observed at TP-10.

Refusal Surfaces

Continuous refusal surfaces (i.e. bedrock) were not encountered in the test pits, which were excavated to depths ranging from approximately 5.5 to 12.5 feet bgs.

Groundwater

Groundwater was encountered at each of the test pits at depths ranging from approximately 5 to 12 feet bgs, which corresponds to approximately elevation (El.) 83 feet to El. 72.5 feet. Groundwater elevation was observed to be highest in the southeast corner of the Site (TP-10; El. 83 feet) and lowest in the northern to northwestern portion of the Site (TP-1 through TP-3; El. 74.5 feet to El. 72.5 feet).

Groundwater levels were recorded shortly after completion of the test pits and therefore may not be representative of static groundwater levels. Groundwater may be shallower or deeper during seasonal periods different than those at the time of the explorations, and generally will fluctuate due to season, temperature, precipitation, nearby underground utilities, and construction activity in the area. Water levels during and following construction may vary from the groundwater measurements reported herein.

4.0 LABORATORY TESTING

GeoInsight selected representative soil samples from the test pits for laboratory geotechnical and soil corrosivity testing. The samples were collected from locations that were intended to provide laboratory test data spatially distributed throughout the Site. The geotechnical laboratory testing was performed by GeoInsight or by Phoenix Environmental Laboratories, Inc. of Manchester, Connecticut. The laboratory test reports are included in Attachment B. The geotechnical and soil corrosivity laboratory tests are presented in the following sections.

Geotechnical Laboratory Testing

Geotechnical laboratory testing consisting of the following:

- Grain Size Analysis (ASTM D6913); and
- Moisture Content (ASTM D2216).

The geotechnical laboratory testing included a total of 3 grain size analysis tests and 21 moisture content tests.



Soil Corrosivity Laboratory Testing

Soil corrosivity testing consisted of the following:

- Soil Resistivity (ASTM G57);
- pH (ASTM D4972);
- Water-Soluble Sulfate (AASHTO T290); and
- Water-Soluble Chloride (AASHTO T291).

Laboratory soil corrosivity testing was performed on three representative soil samples collected from the test pits.

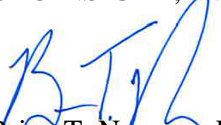
5.0 GENERAL COMMENTS AND LIMITATIONS

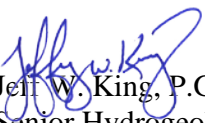
GeoInsight provided the data contained within this report based upon limited subsurface explorations performed, as documented in the report text and attached materials. The data provided in this report pertain to the specific areas explored. GeoInsight believes the subsurface explorations described herein were performed in a manner consistent with the services that would have been provided by other geotechnical professionals under similar circumstances. However, given the variable nature of native soil deposits and rock formations, we cannot represent that the subsurface conditions identified in the test pit logs and described in this report are exact, nor can we guarantee that our interpolation between or extrapolation from subsurface exploration locations is completely representative of actual conditions.

This report has been prepared for specific application to the Site located at 127 Forest Road in North Branford, Connecticut. No other warranty, expressed, or implied, is made. In addition, this report was prepared exclusively for CP NB Solar I, LLC and CP NB Solar II, LLC and the associated project team. The use of this report by other parties without written consent from GeoInsight is hereby prohibited.

We appreciate the opportunity to have been of service to you on this project. If you have questions concerning this report, or if we may be of further assistance, please contact us at (860) 894-1022.

Sincerely,
GEOINSIGHT, INC.


Brian T. Nereson, P.E.
Geotechnical Engineer/Associate


Jeff W. King, P.G., L.E.P.
Senior Hydrogeologist/Regional Manager

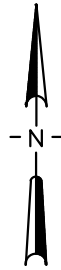
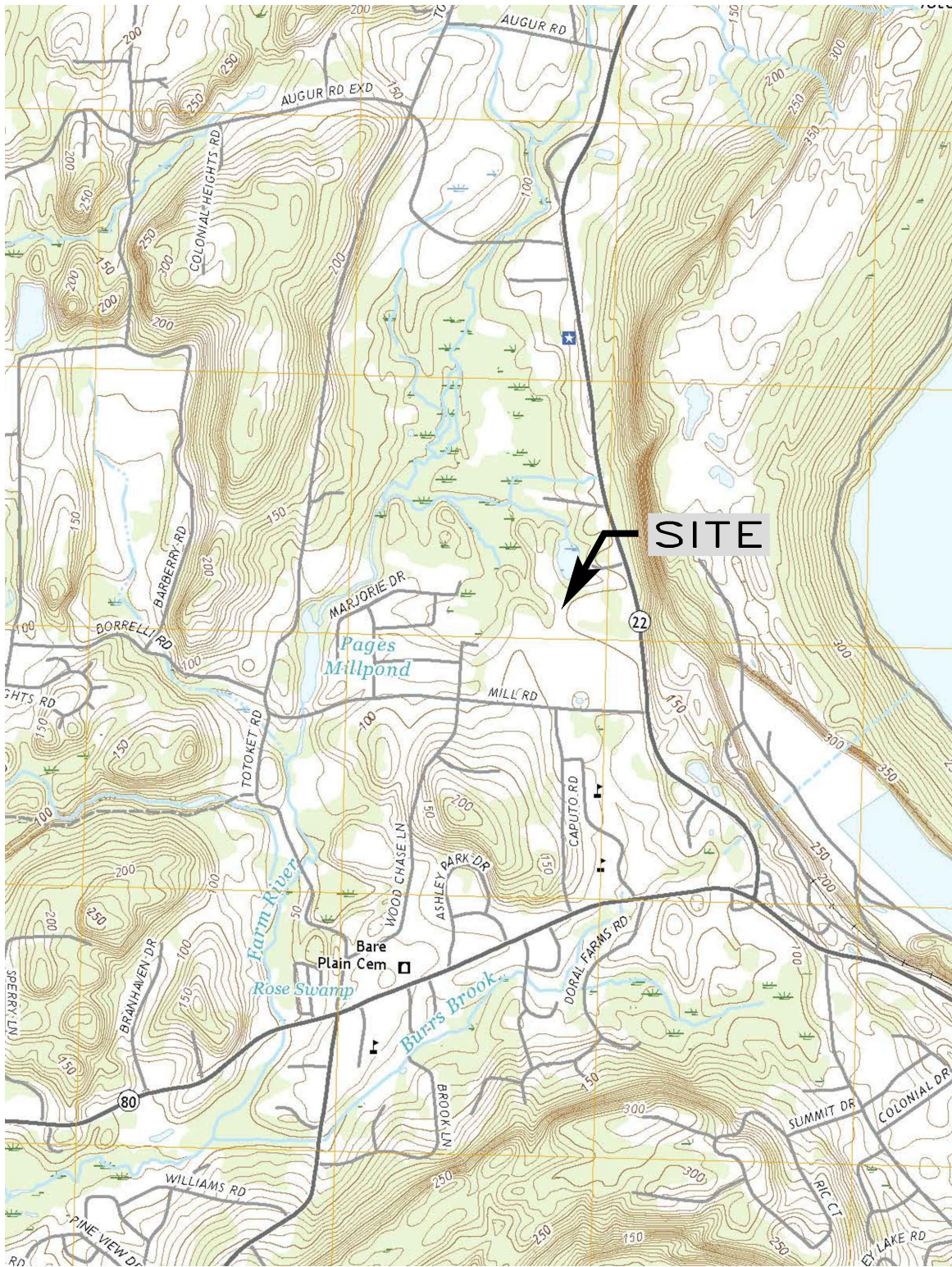
Attachments

T:\11120 - Citrine Power, 127 Forest Rd., Northford, CT\Reports And Tables\Reports\Geotechnical\11120 Citrine N Branford CT Geotechnical Data Report.Doc



FIGURES

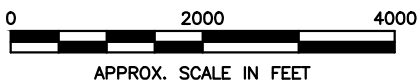




SOURCE:

USGS BRANFORD, CONNECTICUT TOPOGRAPHIC QUADRANGLE DATED 2018.

CONTOUR INTERVAL: 10 FEET



CLIENT:
CP NB SOLAR I, LLC AND CP NB SOLAR II, LLC

PROJECT:
**127 FOREST ROAD
NORTH BRANFORD, CT**

TITLE:
SITE LOCUS

DESIGNED: DES	DRAWN: BTN	CHECKED: JWK	APPROVED: JWK
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


SCALE: 1" = 2000'	DATE: 11/25/20	FILE NO.: 11120D001	PROJECT NO.: 11120
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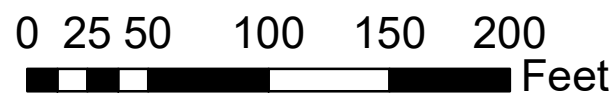
FIGURE NO.:
1

PLOT DATE: 11-25-20
FILE: T:\11120 - Citrine Power, 127 Forest Rd., Northford, CT\11120D001.dwg



-  PROPERTY BOUNDARY
-  TEST PIT LOCATIONS
-  STUDY AREA BOUNDARY


Site boundaries and features are approximate and should not be used for design.



SOURCE:
CTDEEP GIS DATA



TITLE: SITE PLAN WITH TEST PIT LOCATIONS			
PROJECT: 127 FOREST ROAD NORTH BRANFORD, CONNECTICUT			
CLIENT: CP NB SOLAR I, LLC AND CP NB SOLAR II, LLC			
DESIGNED: AHF	DRAWN: AHF	CHECKED: JWK	APPROVED: JWK
SCALE: 1" = 80'	DATE: 10/27/20	FILE NO.: 11120-M01	PROJECT NO.: 11120-000



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Practical in Nature

FIGURE NO.: 2



ATTACHMENT A





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TEST PIT LOG

Client: CP NB Solar I, LLC and CP NB Solar II, LLC	Test Pit Identification: TP-1
Project: North Branford Ground Mount	Sheet: 1 of 1
Location: 127 Forest Road, North Branford, Connecticut	Project No. 11120

Equipment: CAT 308E2 CR	Date: 10/27/2020
Reach: 14 feet	Chkd. By: BTN
GeoInsight Rep.: AHF	Weather: Cloudy, 55
Contractor: Butler Construction	Ground Surface Elev.: ~ 78 ft ^{see note 1}

GROUNDWATER OBSERVATIONS	FIELD TESTING PERFORMED
Depth (ft. bgs): 5	
Stabilization (hours): After excavation	
Est. SHWT (feet bgs): Not recorded	
Description: NA	

DEPTH (ft)	SAMPLE INFORMATION			STRATUM DESCRIPTION	SAMPLE DESCRIPTION	NOTE
	#	Depth (ft)	Screening (ppm)			
0		0-1	1.6	TILLED LAYER (FILL)	0 - 1: Dark brown, fine to medium SAND and SILT, little Gravel, trace Asphalt, Brick, and Cobble fragments (<1 cm).	
1		1-2.5	1.6	NATIVE GRAVELLY SAND (STRATIFIED DRIFT DEPOSIT)	1 - 2.5: Reddish brown, fine to medium SAND, some Gravel, little Cobble, trace Silt, damp to moist.	
2		2.5-5.5	1.8		2.5 - 5.5: Reddish brown, fine to medium SAND, trace Gravel and Silt, moist to wet.	
3						
4						
5					End of excavation - 5.5 feet. Refusal not encountered.	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

TEST PIT ORIENTATION (sketch)	TEST PIT DETAILS (feet)
	Length: 12' Width: 7' Depth: 5.5'

NOTES
 1. Ground surface elevation based upon data obtained from the CTECO Connecticut Elevation Viewer (<https://cteco.uconn.edu/viewers/ctelelevation/>).



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TEST PIT LOG

Client: CP NB Solar I, LLC and CP NB Solar II, LLC	Test Pit Identification: TP-2
Project: North Branford Ground Mount	Sheet: 1 of 1
Location: 127 Forest Road, North Branford, Connecticut	Project No.: 11120

Equipment: CAT 308E2 CR	Date: 10/27/2020
Reach: 14 feet	Chkd. By: BTN
GeoInsight Rep.: AHF	Weather: Cloudy, 55
Contractor: Butler Construction	Ground Surface Elev.: ~ 80 ft ^{see note 1}

GROUNDWATER OBSERVATIONS	FIELD TESTING PERFORMED
Depth (ft. bgs): 5.5	
Stabilization (hours): After excavation	
Est. SHWT (feet bgs): Not recorded	
Description: NA	

DEPTH (ft)	SAMPLE INFORMATION			STRATUM DESCRIPTION	SAMPLE DESCRIPTION	NOTE
	#	Depth (ft)	Screening (ppm)			
0		0-1.5	1.9	TILLED LAYER (FILL)	0 - 1.5: Dark brown, fine to medium SAND, some Silt, little Gravel, trace Cobble and Roots.	
1						
2		1.5-6	1.9	NATIVE SAND (STRATIFIED DRIFT DEPOSIT)	1.5 - 6: Reddish brown, fine to medium SAND, trace Gravel and Silt, moist to wet.	
3						
4						
5						
6					End of excavation - 6 feet. Refusal not encountered.	
7						
8						
9						
10						
11						
12						
13						
14						
15						

TEST PIT ORIENTATION (sketch)	TEST PIT DETAILS (feet)
	Length: 12' Width: 7' Depth: 6'

NOTES

1. Ground surface elevation based upon data obtained from the CTECO Connecticut Elevation Viewer (<https://cteco.uconn.edu/viewers/ctelelevation/>).



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TEST PIT LOG

Client: CP NB Solar I, LLC and CP NB Solar II, LLC	Test Pit Identification: TP-3
Project: North Branford Ground Mount	Sheet: 1 of 1
Location: 127 Forest Road, North Branford, Connecticut	Project No.: 11120

Equipment: CAT 308E2 CR	Date: 10/27/2020
Reach: 14 feet	Chkd. By: BTN
GeoInsight Rep.: AHF	Weather: Cloudy, 55
Contractor: Butler Construction	Ground Surface Elev.: ~ 82 ft ^{see note 1}

GROUNDWATER OBSERVATIONS	FIELD TESTING PERFORMED
Depth (ft. bgs): 9.5	
Stabilization (hours): After excavation	
Est. SHWT (feet bgs): Not recorded	
Description: NA	

DEPTH (ft)	SAMPLE INFORMATION			STRATUM DESCRIPTION	SAMPLE DESCRIPTION	NOTE
	#	Depth (ft)	Screening (ppm)			
0		0-2	2.1	TILLED LAYER (FILL)	0 - 2: Brown, fine to medium SAND, some Silt, little Gravel, trace Brick, Clay, and Concrete fragments (<0.5 cm), damp.	
1						
2		2-4	1.9	NATIVE GRAVELLY SAND (STRATIFIED DRIFT DEPOSIT)	2 - 4: Reddish brown, fine to medium SAND, some Cobble and Gravel, trace Silt, damp. 4 - 5: Light brown, very fine to medium SAND, some Gravel, trace Cobble and Silt, damp. 5 - 7: Reddish brown, fine to medium SAND, some Cobble and Gravel, trace Silt, damp to moist. 7 - 10: Light brown, fine to medium SAND, little Gravel, trace Cobble and Silt, moist to wet.	
3						
4		4-5	1.6			
5		5-7	1.6			
6						
7		7-10	1.6			
8						
9						
10					End of excavation - 10 feet. Refusal not encountered.	
11						
12						
13						
14						
15						

TEST PIT ORIENTATION (sketch)	TEST PIT DETAILS (feet)
	Length: 12' Width: 6' Depth: 10'

NOTES

1. Ground surface elevation based upon data obtained from the CTECO Connecticut Elevation Viewer (<https://cteco.uconn.edu/viewers/ctelelevation/>).



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TEST PIT LOG

Client: CP NB Solar I, LLC and CP NB Solar II, LLC	Test Pit Identification: TP-4
Project: North Branford Ground Mount	Sheet: 1 of 1
Location: 127 Forest Road, North Branford, Connecticut	Project No.: 11120

Equipment: CAT 308E2 CR	Date: 10/27/2020
Reach: 14 feet	Chkd. By: BTN
GeoInsight Rep.: AHF	Weather: Cloudy, 55
Contractor: Butler Construction	Ground Surface Elev.: ~ 86 ft ^{see note 1}

GROUNDWATER OBSERVATIONS	FIELD TESTING PERFORMED
Depth (ft. bgs): 10	
Stabilization (hours): After excavation	
Est. SHWT (feet bgs): Not recorded	
Description: NA	

DEPTH (ft)	SAMPLE INFORMATION			STRATUM DESCRIPTION	SAMPLE DESCRIPTION	NOTE
	#	Depth (ft)	Screening (ppm)			
0		0-0.5		TOPSOIL	6 inches Organic TOPSOIL.	
1		0.5-5	2	REWORKED NATIVE/FILL	0.5 - 5: Brown, fine to medium SAND, some Gravel and Silt, little Cobble, damp.	
2						
3						
4						
5		5-6	1.6	NATIVE GRAVELLY SAND (STRATIFIED DRIFT DEPOSIT)	5 - 6: Light brown, fine to medium SAND, little Gravel, trace Silt, damp.	
6		6-10.5	1.6		6 - 10.5: Reddish brown, fine to medium SAND, some Cobble and Gravel, trace Silt, moist to wet.	
7						
8						
9						
10						
11					End of excavation - 10.5 feet. Refusal not encountered.	
12						
13						
14						
15						

TEST PIT ORIENTATION (sketch)	TEST PIT DETAILS (feet)
	Length: 12' Width: 6' Depth: 10.5'

NOTES

1. Ground surface elevation based upon data obtained from the CTECO Connecticut Elevation Viewer (<https://cteco.uconn.edu/viewers/ctelelevation/>).



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TEST PIT LOG

Client: CP NB Solar I, LLC and CP NB Solar II, LLC	Test Pit Identification: TP-5
Project: North Branford Ground Mount	Sheet: 1 of 1
Location: 127 Forest Road, North Branford, Connecticut	Project No. 11120

Equipment: CAT 308E2 CR	Date: 10/27/2020
Reach: 14 feet	Chkd. By: BTN
GeoInsight Rep.: AHF	Weather: Cloudy, 55
Contractor: Butler Construction	Ground Surface Elev.: ~ 82 ft ^{see note 1}

GROUNDWATER OBSERVATIONS	FIELD TESTING PERFORMED
Depth (ft. bgs): 7.5	
Stabilization (hours): After excavation	
Est. SHWT (feet bgs): Not recorded	
Description: NA	

DEPTH (ft)	SAMPLE INFORMATION			STRATUM DESCRIPTION	SAMPLE DESCRIPTION	NOTE
	#	Depth (ft)	Screening (ppm)			
0		0-1.5	<1	TILLED LAYER (FILL)	0 - 1.5: Brown, fine to medium SAND, some Gravel and Silt, little Cobble, trace Brick and Concrete fragments (<2 cm), damp.	
1						
2		1.5-4	<1	NATIVE GRAVELLY SAND (STRATIFIED DRIFT DEPOSIT)	1.5 - 4: Orange to brown, fine to coarse SAND, some Gravel, trace Cobble and Silt, damp. 4 - 8: Orange to brown, fine to medium SAND, trace Gravel and Silt, moist to wet.	
3						
4		4-8	<1			
5						
6						
7				End of excavation - 8 feet. Refusal not encountered.		
8						
9						
10						
11						
12						
13						
14						
15						

TEST PIT ORIENTATION (sketch)	TEST PIT DETAILS (feet)
	Length: 12' Width: 6' Depth: 8'

NOTES
 1. Ground surface elevation based upon data obtained from the CTECO Connecticut Elevation Viewer (<https://cteco.uconn.edu/viewers/ctelelevation/>).



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TEST PIT LOG

Client: CP NB Solar I, LLC and CP NB Solar II, LLC	Test Pit Identification: TP-6
Project: North Branford Ground Mount	Sheet: 1 of 1
Location: 127 Forest Road, North Branford, Connecticut	Project No. 11120

Equipment: CAT 308E2 CR	Date: 10/27/2020
Reach: 14 feet	Chkd. By: BTN
GeoInsight Rep.: AHF	Weather: Cloudy, 55
Contractor: Butler Construction	Ground Surface Elev.: ~ 83 ft ^{see note 1}

GROUNDWATER OBSERVATIONS	FIELD TESTING PERFORMED
Depth (ft. bgs): 8	
Stabilization (hours): After excavation	
Est. SHWT (feet bgs): Not recorded	
Description: NA	

DEPTH (ft)	SAMPLE INFORMATION			STRATUM DESCRIPTION	SAMPLE DESCRIPTION	NOTE	
	#	Depth (ft)	Screening (ppm)				
0		0-0.5		TOPSOIL	6 inches Organic TOPSOIL.		
1		0.5-2	1.0	TILLED LAYER (FILL)	0.5 - 2: Brown, fine to medium SAND, some Silt, little Gravel, trace Brick fragments, Cobble, Roots, and Woody debris, damp.		
2		2-8.5	<1	NATIVE GRAVELLY SAND (STRATIFIED DRIFT DEPOSIT)	2 - 8.5: Reddish brown, fine to coarse SAND, little Gravel, trace Cobble and Silt, moist to wet.		
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15					End of excavation - 8.5 feet. Refusal not encountered.		

TEST PIT ORIENTATION (sketch)	TEST PIT DETAILS (feet)
	Length: 12' Width: 6' Depth: 8.5'

NOTES

1. Ground surface elevation based upon data obtained from the CTECO Connecticut Elevation Viewer (<https://cteco.uconn.edu/viewers/ctelelevation/>).



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Environmental Strategy & Engineering

TEST PIT LOG

Client: CP NB Solar I, LLC and CP NB Solar II, LLC	Test Pit Identification: TP-7
Project: North Branford Ground Mount	Sheet: 1 of 1
Location: 127 Forest Road, North Branford, Connecticut	Project No.: 11120

Equipment: CAT 308E2 CR	Date: 10/27/2020
Reach: 14 feet	Chkd. By: BTN
GeoInsight Rep.: AHF	Weather: Cloudy, 55
Contractor: Butler Construction	Ground Surface Elev.: ~ 86 ft ^{see note 1}

GROUNDWATER OBSERVATIONS	FIELD TESTING PERFORMED
Depth (ft. bgs): 12	
Stabilization (hours): After excavation	
Est. SHWT (feet bgs): Not recorded	
Description: NA	

DEPTH (ft)	SAMPLE INFORMATION			STRATUM DESCRIPTION	SAMPLE DESCRIPTION	NOTE
	#	Depth (ft)	Screening (ppm)			
0		0-2	2	TILLED LAYER (FILL)	0 - 2: Brown, fine to medium SAND, some Silt, little Gravel, trace Cobble and Roots, damp.	
1						
2		2-5	1.6	NATIVE GRAVELLY SAND (STRATIFIED DRIFT DEPOSIT)	2 - 5: Reddish brown, fine to medium SAND, some Gravel, trace Cobble and Silt, damp.	
3						
4						
5		5-6	1.6			
6		6-10	1.6			
7						
8						
9						
10		10-12.5	1.6	10 - 12.5: Reddish brown, very fine to medium SAND, little Silt, trace Gravel, wet.		
11						
12						
13					End of excavation - 12.5 feet. Refusal not encountered.	
14						
15						

TEST PIT ORIENTATION (sketch)	TEST PIT DETAILS (feet)
	Length: 12'
	Width: 6'
	Depth: 12.5'

NOTES

1. Ground surface elevation based upon data obtained from the CTECO Connecticut Elevation Viewer (<https://cteco.uconn.edu/viewers/ctelelevation/>).



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Environmental Strategy & Engineering

TEST PIT LOG

Client: CP NB Solar I, LLC and CP NB Solar II, LLC	Test Pit Identification: TP-8
Project: North Branford Ground Mount	Sheet: 1 of 1
Location: 127 Forest Road, North Branford, Connecticut	Project No. 11120

Equipment: CAT 308E2 CR	Date: 10/27/2020
Reach: 14 feet	Chkd. By: BTN
GeoInsight Rep.: AHF	Weather: Cloudy, 55
Contractor: Butler Construction	Ground Surface Elev.: ~ 85 ft ^{see note 1}

GROUNDWATER OBSERVATIONS	FIELD TESTING PERFORMED
Depth (ft. bgs): 8	
Stabilization (hours): After excavation	
Est. SHWT (feet bgs): Not recorded	
Description: NA	

DEPTH (ft)	SAMPLE INFORMATION			STRATUM DESCRIPTION	SAMPLE DESCRIPTION	NOTE
	#	Depth (ft)	Screening (ppm)			
0		0-2	<1	TILLED LAYER (FILL)	0 - 2: Brown, fine to medium SAND, some Silt, little Cobble and Gravel, damp.	
1						
2		2-8.5	<1	NATIVE SAND (STRATIFIED DRIFT DEPOSIT)	2 - 8.5: Orange to brown, very fine to medium SAND, trace Gravel and Silt, damp to wet.	
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

TEST PIT ORIENTATION (sketch)	TEST PIT DETAILS (feet)
	Length: 12' Width: 6' Depth: 8.5'

NOTES
 1. Ground surface elevation based upon data obtained from the CTECO Connecticut Elevation Viewer (<https://cteco.uconn.edu/viewers/ctelelevation/>).



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Environmental Strategy & Engineering

TEST PIT LOG

Client: CP NB Solar I, LLC and CP NB Solar II, LLC	Test Pit Identification: TP-9
Project: North Branford Ground Mount	Sheet: 1 of 1
Location: 127 Forest Road, North Branford, Connecticut	Project No. 11120

Equipment: CAT 308E2 CR	Date: 10/27/2020
Reach: 14 feet	Chkd. By: BTN
GeoInsight Rep.: AHF	Weather: Cloudy, 55
Contractor: Butler Construction	Ground Surface Elev.: ~ 85 ft ^{see note 1}

GROUNDWATER OBSERVATIONS	FIELD TESTING PERFORMED
Depth (ft. bgs): 7	
Stabilization (hours): After excavation	
Est. SHWT (feet bgs): Not recorded	
Description: NA	

DEPTH (ft)	SAMPLE INFORMATION			STRATUM DESCRIPTION	SAMPLE DESCRIPTION	NOTE	
	#	Depth (ft)	Screening (ppm)				
0		0-1	<1	TILLED LAYER (FILL)	0 - 1: Brown, fine to medium SAND, some Silt, little Cobble and Gravel, trace Concrete fragment, damp.		
1		1-7.5	<1	NATIVE SAND (STRATIFIED DRIFT DEPOSIT)	1 - 7.5: Light brown, very fine to medium SAND, trace Gravel and Silt, damp to wet.		
2							
3							
4							
5							
6							
7							
8							
9					End of excavation - 7.5 feet. Refusal not encountered.		
10							
11							
12							
13							
14							
15							

TEST PIT ORIENTATION (sketch)	TEST PIT DETAILS (feet)
	Length: 12' Width: 6' Depth: 7.5'

NOTES
 1. Ground surface elevation based upon data obtained from the CTECO Connecticut Elevation Viewer (<https://cteco.uconn.edu/viewers/ctelelevation/>).



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TEST PIT LOG

Client: CP NB Solar I, LLC and CP NB Solar II, LLC	Test Pit Identification: TP-10
Project: North Branford Ground Mount	Sheet: 1 of 1
Location: 127 Forest Road, North Branford, Connecticut	Project No.: 11120

Equipment: CAT 308E2 CR	Date: 10/27/2020
Reach: 14 feet	Chkd. By: BTN
GeoInsight Rep.: AHF	Weather: Cloudy, 55
Contractor: Butler Construction	Ground Surface Elev.: ~ 95 ft ^{see note 1}

GROUNDWATER OBSERVATIONS	FIELD TESTING PERFORMED
Depth (ft. bgs): 12	
Stabilization (hours): After excavation	
Est. SHWT (feet bgs): Not recorded	
Description: NA	

DEPTH (ft)	SAMPLE INFORMATION			STRATUM DESCRIPTION	SAMPLE DESCRIPTION	NOTE
	#	Depth (ft)	Screening (ppm)			
0		0-2	<1	TILLED LAYER (FILL)	0 - 2: Brown, fine to medium SAND, some Silt, little Gravel, trace Cobble, damp.	
1						
2		2-7	<1	REWORKED NATIVE/FILL	2 - 7: Brown, fine to medium SAND, little Gravel and Silt, trace Cobble, damp.	
3						
4						
5						
6						
7		7-12.5	<1	NATIVE SILTY SAND (STRATIFIED DRIFT DEPOSIT)	7 - 12.5: Light brown, very fine to fine SAND, little Silt, trace Clay and Gravel, damp to wet.	
8						
9						
10						
11						
12						
13					End of excavation - 12.5 feet. Refusal not encountered.	
14						
15						

TEST PIT ORIENTATION (sketch)	TEST PIT DETAILS (feet)
	Length: 12' Width: 6' Depth: 12.5'

NOTES

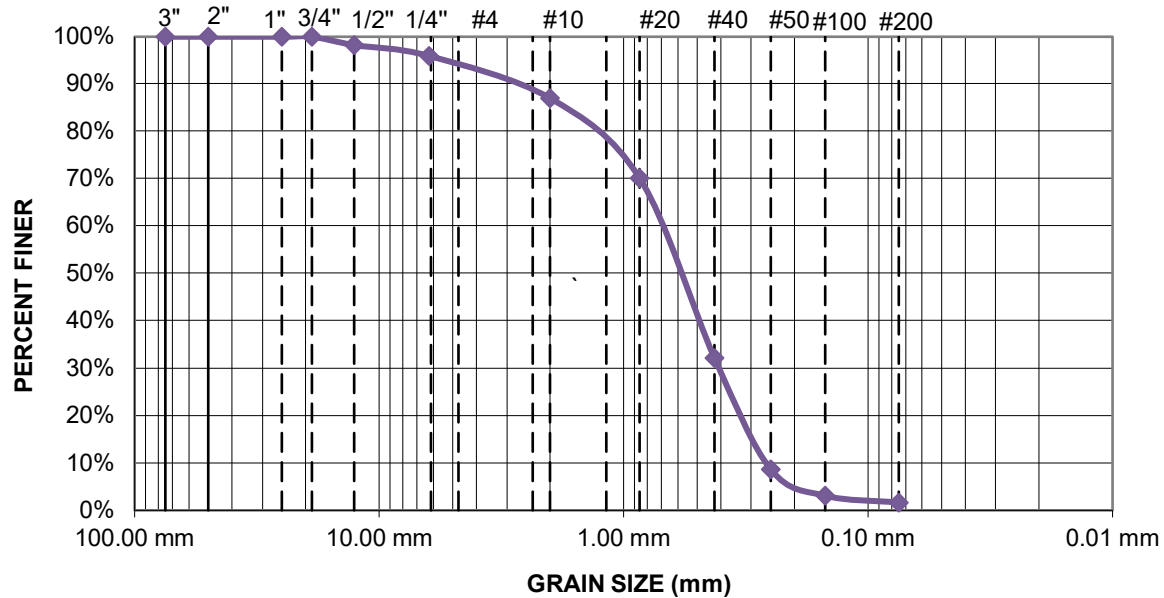
1. Ground surface elevation based upon data obtained from the CTECO Connecticut Elevation Viewer (<https://cteco.uconn.edu/viewers/ctelelevation/>).



ATTACHMENT B



Particle Size Distribution Report



% > 3"	%Gravel			%Sand			%Fines
	Coarse	Medium	Fine	Coarse	Medium	Fine	
Retained	0.0%	0.0%	4.1%	9.0%	54.8%	30.6%	1.6%

SIEVE SIZE	PERCENT FINER	SPEC. PERCENT	Pass? (X=NO)
3 "	100.0%	*	
2 "	100.0%		
1 "	100.0%		
3/4 "	100.0%		
1/2 "	98.2%		
1/4 "	95.9%		
# 4	95.9%		
# 8			
# 10	87.0%		
# 16			
# 20	70.1%		
# 40	32.2%		
# 60	8.7%		
# 100	3.1%		
# 200	1.6%		

Material Description
Brown, fine to medium SAND, trace fine Gravel and Silt.

Atterberg Limits
PL = LL = PI =

Particle Sizes
D₈₅ = D₆₀ = D₅₀ =
D₃₀ = D₁₅ = D₁₀ =
C_u = C_c =

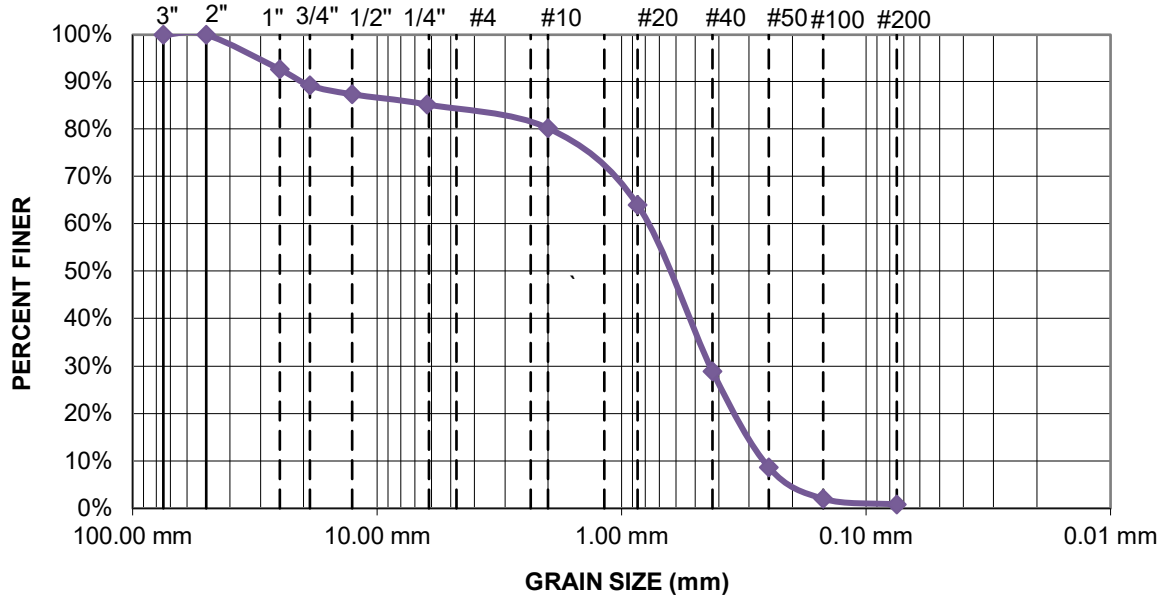
Classification
UCS = AASHTO =

Remarks
TP

*no specification provided

Project Name: 127 Forest Rd, North Branford, CT Project No.: 11120
Sample No.: L001 Source of Sample: TP-1 Date: 11/5/20
Location: Test Pit TP-1 Elev./Depth: 4-5 ft

Particle Size Distribution Report



% > 3"	%Gravel			%Sand			%Fines
	Coarse	Medium	Fine	Coarse	Medium	Fine	
Retained	0.0%	10.8%	4.0%	5.0%	51.3%	28.1%	0.8%

SIEVE SIZE	PERCENT FINER	SPEC. PERCENT	Pass? (X=NO)
3 "	100.0%	*	
2 "	100.0%		
1 "	92.6%		
3/4 "	89.2%		
1/2 "	87.4%		
1/4 "	85.2%		
# 4	85.2%		
# 8			
# 10	80.2%		
# 16			
# 20	64.1%		
# 40	28.9%		
# 60	8.7%		
# 100	2.0%		
# 200	0.8%		

Material Description
Brown, fine to medium SAND, little Gravel, trace Silt.

Atterberg Limits
PL = LL = PI =

Particle Sizes
D₈₅ = D₆₀ = D₅₀ =
D₃₀ = D₁₅ = D₁₀ =
C_u = C_c =

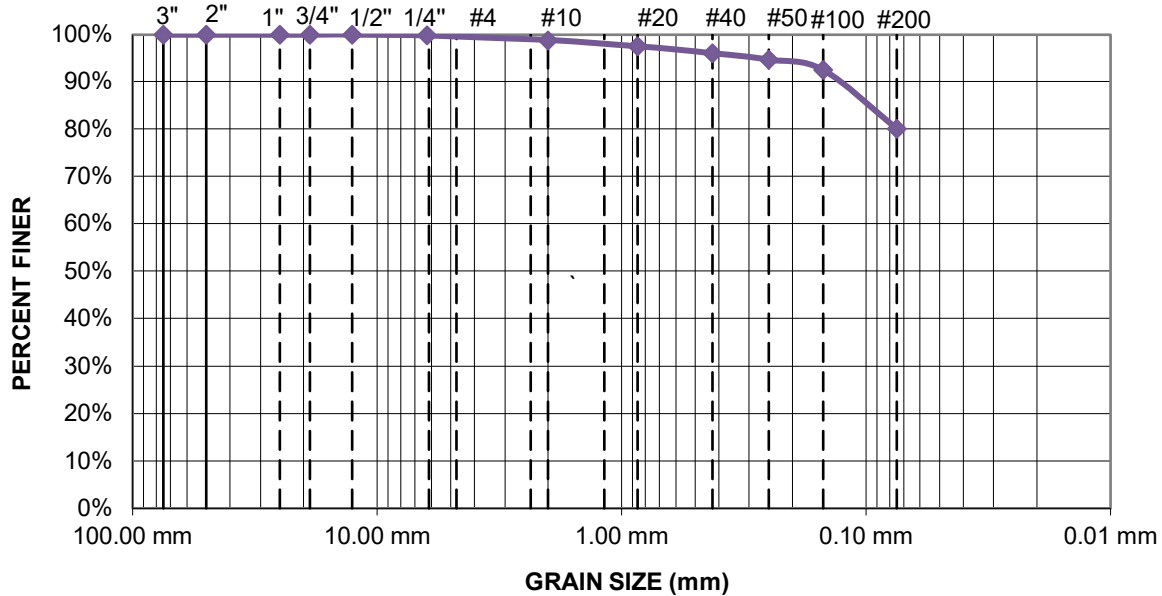
Classification
UCS = AASHTO =

Remarks

*no specification provided

Project Name: 127 Forest Rd, North Branford, CT Project No.: 11120
Sample No.: L002 Source of Sample: TP-6 Date: 11/5/20
Location: Test Pit TP-6 Elev./Depth: 2-4 ft

Particle Size Distribution Report



% > 3"	%Gravel			%Sand			%Fines
	Coarse	Medium	Fine	Coarse	Medium	Fine	
Retained	0.0%	0.0%	0.2%	1.0%	2.7%	15.9%	80.1%

SIEVE SIZE	PERCENT FINER	SPEC. PERCENT	Pass? (X=NO)
3 "	100.0%	*	
2 "	100.0%		
1 "	100.0%		
3/4 "	100.0%		
1/2 "	100.0%		
1/4 "	99.8%		
# 4	99.8%		
# 8			
# 10	98.8%		
# 16			
# 20	97.5%		
# 40	96.1%		
# 60	94.7%		
# 100	92.5%		
# 200	80.1%		

Material Description
Brown, SILT, little fine Sand, trace Gravel.

Atterberg Limits
PL = LL = PI =

Particle Sizes
D₈₅ = D₆₀ = D₅₀ =
D₃₀ = D₁₅ = D₁₀ =
C_u = C_c =

Classification
UCS = AASHTO =

Remarks

*no specification provided

Project Name: 127 Forest Rd, North Branford, CT Project No.: 11120
Sample No.: L002 Source of Sample: TP-10 Date: 11/5/20
Location: Test Pit TP-10 Elev./Depth: 10-12 ft



GeoInsight®

Environmental Strategy & Engineering

Practical in Nature

Natural Moisture Content Laboratory Report

ASTM D2216

Sample Location	Sample Depth (feet bgs)	Moisture Content (%)
TP-2	0-2	9.5
TP-2	2-4	12.8
TP-2	4-6	17.0

Sample Location	Sample Depth (feet bgs)	Moisture Content (%)
TP-7	2-4	4.9
TP-7	4-6	5.0
TP-7	6-8	5.6
TP-7	8-10	4.8
TP-7	10-12	12.7

TP-4	0-2	13.3
TP-4	2-4	9.9
TP-4	4-6	10.3
TP-4	6-8	7.6
TP-4	8-10	9.2

TP-8	0-2	5.5
TP-8	2-4	5.1
TP-8	4-6	19.6
TP-8	6-8	17.4

TP-5	0-2	5.7
TP-5	2-4	4.8
TP-5	4-6	5.4
TP-5	6-8	15.1

Project: North Branford Ground Mount Array

Project Location: 127 Forest Road, North Branford, CT

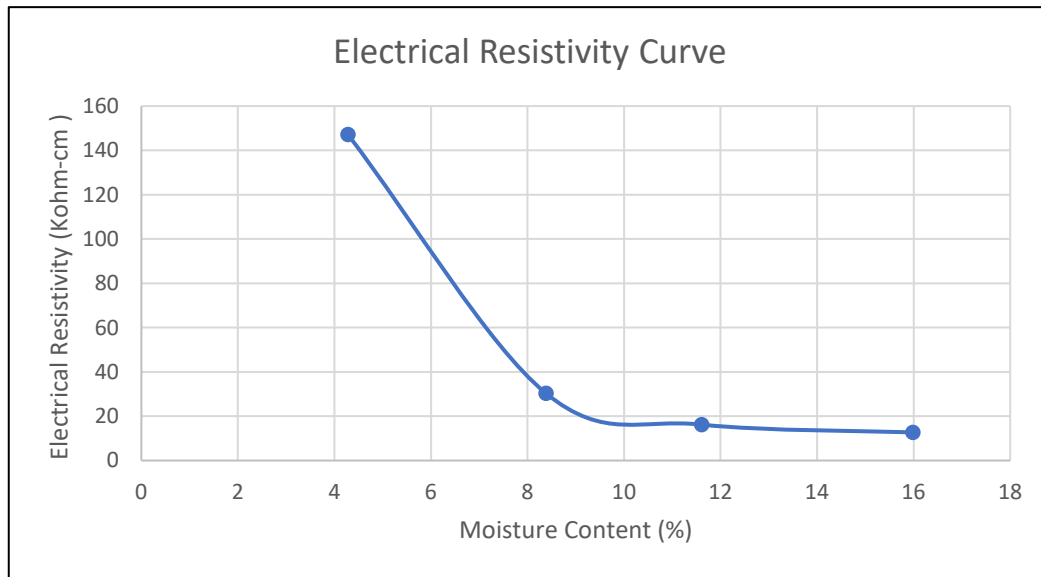
GeoInsight Project No: 11120-000

Test Date: 11/5/20

**ELECTRICAL RESISTIVITY LABORATORY TEST REPORT
ASTM G187 SOIL BOX METHOD**

Project Name: 127 Forest Rd, North Branford, CT
GeoInsight Project No.: 11120

Sample Location: On-Site Material
Sample Depth: TP-1 (2-4')



Test Data

Resistivity (Kohm-cm)	Moisture Content (%)
147.1	4.3
30.36	8.4
16.21	11.6
12.72	16.0

Run By: ATS
Date: 11/4/2020
Approved By: BTN

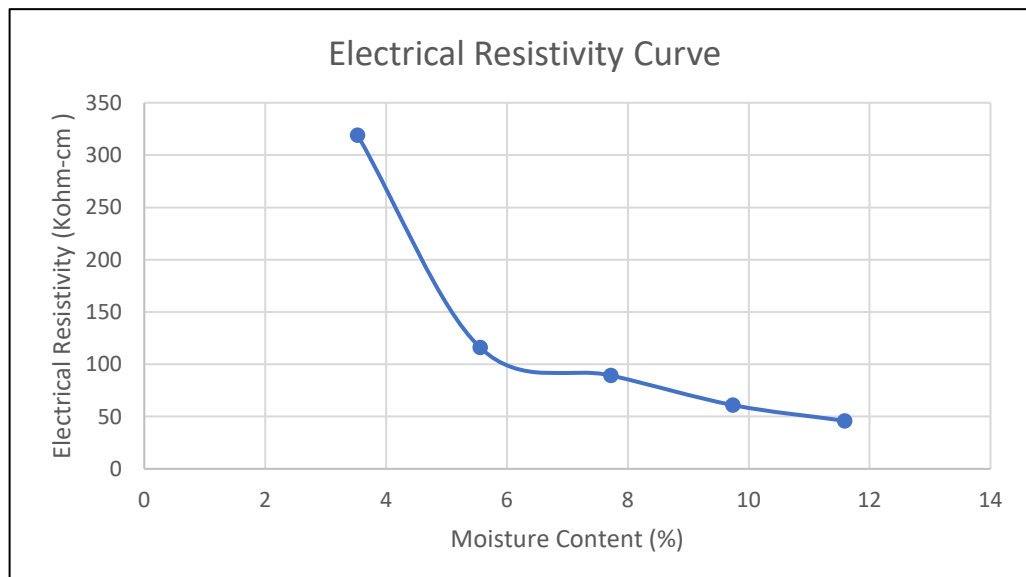
**ELECTRICAL RESISTIVITY LABORATORY TEST REPORT
ASTM G187 SOIL BOX METHOD**

Project Name: 127 Forest Rd, North Branford, CT

GeoInsight Project No.: 11120

Sample Location: On-Site Material

Sample Depth: TP-6 (2-4')



Test Data

Resistivity (Kohm-cm)	Moisture Content (%)
319	3.5
116	5.6
89.30	7.7
61.03	9.7
45.99	11.6

Run By: ATS

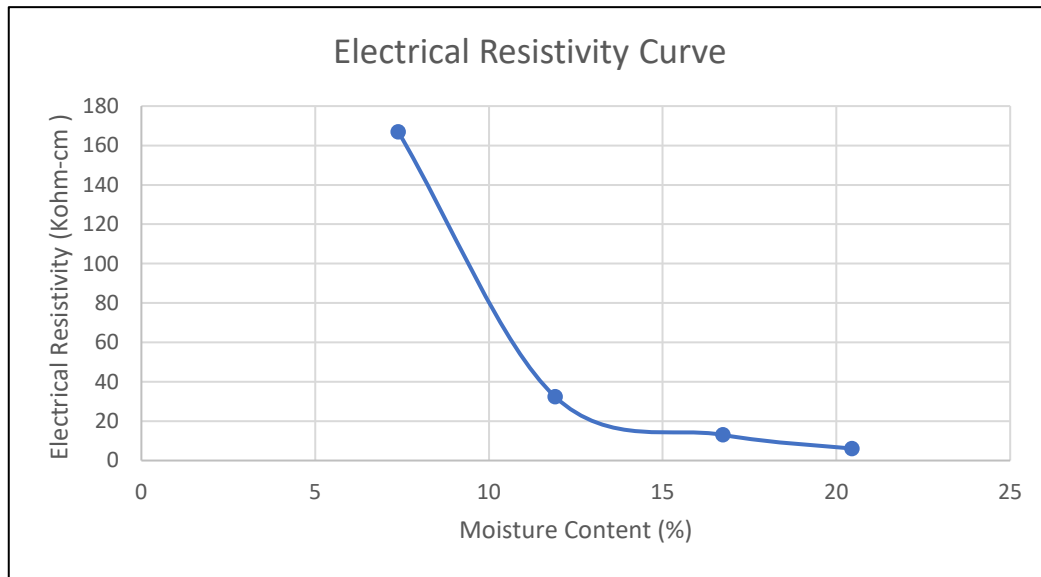
Date: 11/4/2020

Approved By: BTN

**ELECTRICAL RESISTIVITY LABORATORY TEST REPORT
ASTM G187 SOIL BOX METHOD**

Project Name: 127 Forest Rd, North Branford, CT
GeoInsight Project No.: 11120

Sample Location: On-Site Material
Sample Depth: TP-10 (2-4')



Test Data

Resistivity (Kohm-cm)	Moisture Content (%)
167.0	7.4
32.4	11.9
13.03	16.7
6.10	20.5

Run By: ATS
Date: 11/4/2020
Approved By: BTN



Friday, November 06, 2020

Attn: Mr. Jeff King
Geolnsight, Inc.
200 Court St 2nd Fl
Middletown, CT 06457

Project ID: 11120 CITRINE POWER
SDG ID: GCH04605
Sample ID#s: CH04605 - CH04607

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style.

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Sample Id Cross Reference

November 06, 2020

SDG I.D.: GCH04605

Project ID: 11120 CITRINE POWER

Client Id	Lab Id	Matrix
TP-1 (2-4`)	CH04605	SOIL
TP-6 (2-4`)	CH04606	SOIL
TP-10 (2-4`)	CH04607	SOIL



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
 November 06, 2020

FOR: Attn: Mr. Jeff King
 GeoInsight, Inc.
 200 Court St 2nd Fl
 Middletown, CT 06457

Sample Information

Matrix: SOIL
 Location Code: GEOINSGHT
 Rush Request: Standard
 P.O.#:

Custody Information

Collected by:
 Received by: LB
 Analyzed by: see "By" below

Date

10/27/20
 10/27/20

Time

8:05
 17:00

Laboratory Data

SDG ID: GCH04605
 Phoenix ID: CH04605

Project ID: 11120 CITRINE POWER
 Client ID: TP-1 (2-4')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	91		%		10/28/20	CAJ	SW846-%Solid
Chloride	< 33	33	mg/kg	10	10/28/20	BS/GD	SW9056A
Corrosivity	Negative		Pos/Neg	1	10/27/20	AP	SW846-Corr
pH at 25C - Soil	7.14	1.00	pH Units	1	10/27/20 23:30	AP	SW846 9045D
Sulfate	< 33	33	mg/kg	10	10/28/20	BS/GD	SW9056A

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Corrosivity is based solely on the pH analysis performed above.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

November 06, 2020

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
 November 06, 2020

FOR: Attn: Mr. Jeff King
 GeoInsight, Inc.
 200 Court St 2nd Fl
 Middletown, CT 06457

Sample Information

Matrix: SOIL
 Location Code: GEOINSGHT
 Rush Request: Standard
 P.O.#:

Custody Information

Collected by:
 Received by: LB
 Analyzed by: see "By" below

Date Time
 10/27/20 11:30
 10/27/20 17:00

Laboratory Data

SDG ID: GCH04605
 Phoenix ID: CH04606

Project ID: 11120 CITRINE POWER
 Client ID: TP-6 (2-4')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	96		%		10/28/20	CAJ	SW846-%Solid
Chloride	< 31	31	mg/kg	10	10/28/20	BS/GD	SW9056A
Corrosivity	Negative		Pos/Neg	1	10/27/20	AP	SW846-Corr
pH at 25C - Soil	7.39	1.00	pH Units	1	10/27/20 23:30	AP	SW846 9045D
Sulfate	< 31	31	mg/kg	10	10/28/20	BS/GD	SW9056A

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Corrosivity is based solely on the pH analysis performed above.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

November 06, 2020

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
 November 06, 2020

FOR: Attn: Mr. Jeff King
 GeoInsight, Inc.
 200 Court St 2nd Fl
 Middletown, CT 06457

Sample Information

Matrix: SOIL
 Location Code: GEOINSGHT
 Rush Request: Standard
 P.O.#:

Custody Information

Collected by:
 Received by: LB
 Analyzed by: see "By" below

Date Time
 10/27/20 12:45
 10/27/20 17:00

Laboratory Data

SDG ID: GCH04605
 Phoenix ID: CH04607

Project ID: 11120 CITRINE POWER
 Client ID: TP-10 (2-4')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	88		%		10/28/20	CAJ	SW846-%Solid
Chloride	< 34	34	mg/kg	10	10/28/20	BS/GD	SW9056A
Corrosivity	Negative		Pos/Neg	1	10/27/20	AP	SW846-Corr
pH at 25C - Soil	6.82	1.00	pH Units	1	10/27/20 23:30	AP	SW846 9045D
Sulfate	< 34	34	mg/kg	10	10/28/20	BS/GD	SW9056A

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Corrosivity is based solely on the pH analysis performed above.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

November 06, 2020

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

November 06, 2020

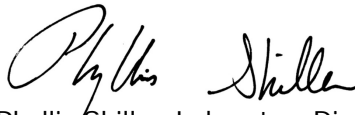
QA/QC Data

SDG I.D.: GCH04605

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 551141 (PH), QC Sample No: CH04384 (CH04605, CH04606, CH04607)													
pH at 25C - Soil			7.26	7.23	0.40	101						85 - 115	20
QA/QC Batch 551305 (mg/L), QC Sample No: CH03051 (CH04605, CH04606, CH04607)													
Chloride	BRL	3.0	76.2	71.1	6.90	94.5			96.7			90 - 110	20
Sulfate	BRL	3.0	39.6	36.9	7.10	95.1			95.7			90 - 110	20

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

- RPD - Relative Percent Difference
- LCS - Laboratory Control Sample
- LCSD - Laboratory Control Sample Duplicate
- MS - Matrix Spike
- MS Dup - Matrix Spike Duplicate
- NC - No Criteria
- Intf - Interference


 Phyllis Shiller, Laboratory Director
 November 06, 2020

Friday, November 06, 2020

Criteria: CT: GAM

State: CT

Sample Criteria Exceedances Report

GCH04605 - GEOINSGHT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
--------	-------	-----------------	----------	--------	----	----------	----------------	-------------------

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Phoenix Environmental Labs, Inc.

Client: GeoInsight, Inc.

Project Location: 11120 CITRINE POWER

Project Number:

Laboratory Sample ID(s): CH04605-CH04607

Sampling Date(s): 10/27/2020

List RCP Methods Used (e.g., 8260, 8270, et cetera) None

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1A	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1B	<u>YPH and EPH methods only:</u> Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Rashmi Makol **Position:** Project Manager

Printed Name: Rashmi Makol **Date:** Friday, November 06, 2020

Name of Laboratory Phoenix Environmental Labs, Inc.

This certification form is to be used for RCP methods only.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



RCP Certification Report

November 06, 2020

SDG I.D.: GCH04605

SDG Comments

No RCP analyses are included with this report. The RCP narrative is provided at the request of the client.

Temperature above 6C:

The samples were received in a cooler with ice packs. The samples were delivered to the Laboratory within a short period of time after sample collection. Therefore no significant bias is suspected.

IC

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

IC 10/26/20-3

Brian Sheriden, Greg Danielewski, Chemist 10/26/20

CH04605 , CH04606 , CH04607

The initial calibration met all criteria including a standard run at the reporting level.
All method verification standards and blanks met criteria.

QC (Batch Specific):

Batch 551305 (CH03051)

CH04605, CH04606, CH04607

All LCS recoveries were within 90 - 110 with the following exceptions: None.

Temperature Narration

The samples were received at 10.3C with cooling initiated.

(Note acceptance criteria for relevant matrices is above freezing up to 6°C)



CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
 Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Coolant: IPK Yes No
 ICE No
 Temp 10.3 Pg of

Data Delivery/Contact Options:
 Fax: _____
 Phone: _____
 Email: jakking@geoinc.com

Customer: GeoInsight
 Address: 200 Court St 2nd Floor
Middletown, CT 06457

Project: 1120 - Citrine Power
 Report to: Jeff King
 Invoice to: NHO
 QUOTE # _____

Project P.O.: _____
This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification
 Sampler's Signature: Alex F... Date: 10/27/20

Matrix Code:
 DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
 RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe OIL=Oil
 B=Bulk L=Liquid X = _____ (Other)

PHOENIX USE ONLY					Analysis Request														
SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	pH	Water Soluble Sulfate	Water Soluble Chloride	GL Amber 8 oz. w/3POA	Soil VOA Vials (8) oz	GL Soil container (8) oz	40 ml VOA Vial () H2O	GL Amber 1000ml () As is () HCl	PL As is () 250ml () 500ml () 1000ml	PL H2SO4 () 250ml () 500ml () 1000ml	PL HNO3 250ml	Bacteria Bottle w/inho	Bacteria Bottle as is		
04605	TP-1 (2-4')	S	10/27/20	0805	X	X	X						X						
04606	TP-b (2-4')	L	L	1130	L	L	L						X						
04607	TP-10 (2-4')	L	L	1245	L	L	L						X						

Relinquished by: Alex F... Accepted by: [Signature]
 Date: 10/27 Time: 1700

RI
 (Residential) Direct Exposure
 (Comm/Industrial) Direct Exposure
 GA Leachability
 GB Leachability
 GA-GW Objectives
 GB-GW Objectives

CT
 RCP Cert
 GW Protection
 SW Protection
 GA Mobility
 GB Mobility
 Residential DEC
 I/C DEC
 Other

MA
 MCP Certification
 GW-1 MWRA eSMART
 GW-2
 GW-3
 S-1 GW-1 S-1 GW-2 S-1 GW-3
 S-2 GW-1 S-2 GW-2 S-2 GW-3
 S-3 GW-1 S-3 GW-2 S-3 GW-3
 SW Protection

Data Format
 Excel
 PDF
 GIS/Key
 EQUIS
 Other

Data Package
 Tier II Checklist
 Full Data Package*
 Phoenix Std Report
 Other

Comments, Special Requirements or Regulations: _____

Turnaround Time:
 1 Day*
 2 Days*
 3 Days*
 Standard
 Other

* SURCHARGE APPLIES

State where samples were collected: CT

* SURCHARGE APPLIES