

BORING LOG NO. B-1

PROJECT: East Point Solar Site

CLIENT: NextEra Energy Resources LLC
Juno Beach, FL

SITE: US Route 20
Sharon Springs, NY

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL. JB185149 EAST POINT SOLAR.GPJ TERRACON.DATATEMPLATE.GDT 8/1/19

GRAPHIC LOG	LOCATION	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (In.)	FIELD TEST RESULTS	WATER CONTENT (%)
	Latitude: 42.7933° Longitude: -74.5699°						
	DEPTH						
0.7	TOPSOIL						
	SILT WITH SAND (ML) , trace gravel and rootlets, brown, moist, very loose			X	9	WH-3-3-3 N=6	
3.5	GLACIAL TILL: SILTY SAND with GRAVEL (SM) , occasional cobbles and shale frags, brown to gray, moist, dense to medium dense, grades to gray around 7.5'	5		X	18	15-31-28 N=59	
	Estimated foundation depth @11'	10		X	18	12-14-16 N=30	
		15		X	18	9-11-13 N=24	
20.0	WEATHERED LIMESTONE , light gray, dry, very dense	20		X	10	30-50/4"	
21.0	Boring Terminated at 21 Feet						

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
2 1/4" HSA

Abandonment Method:

Notes:

WATER LEVEL OBSERVATIONS

No measurable groundwater upon completion of drilling



Boring Started: 05-15-2019

Boring Completed: 05-15-2019

Drill Rig: Diedrich D-50

Driller: J. Lamm

Project No.: JB185149

BORING LOG NO. B-2

PROJECT: East Point Solar Site

CLIENT: NextEra Energy Resources LLC
Juno Beach, FL

SITE: US Route 20
Sharon Springs, NY

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL. JB185149 EAST POINT SOLAR_GPJ TERRACON_DATATEMPLATE.GDT 8/11/19

GRAPHIC LOG	LOCATION	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	WATER CONTENT (%)
	Latitude: 42.7918° Longitude: -74.5661°						
	DEPTH						
0.5	TOPSOIL						
3.0	SILTY SAND (SM) , trace gravel, light brown, moist, loose			X	12	WH-3-3-3 N=6	
5.0	GLACIAL TILL: SILTY SAND with GRAVEL (SM) , brown, moist to wet, dense						
10.0			▽				
15.0				X	18	21-15-28 N=43	
20.0				X	18	12-15-16 N=31	
20.3				X	4	50/4"	
Boring Terminated at 20.5 Feet							

Estimated foundation depth @ 11'

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method: 2 1/4" HSA		Notes:	
Abandonment Method:			
WATER LEVEL OBSERVATIONS			
▽	While drilling	Boring Started: 05-15-2019	Boring Completed: 05-15-2019
▽	After 1/2 hour	Drill Rig: Diedrich D-50	Driller: J. Lamm
		Project No.: JB185149	



BORING LOG NO. B-3

PROJECT: East Point Solar Site

CLIENT: NextEra Energy Resources LLC
Juno Beach, FL

SITE: US Route 20
Sharon Springs, NY

GRAPHIC LOG	LOCATION	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (In.)	FIELD TEST RESULTS	WATER CONTENT (%)
	Latitude: 42.7903° Longitude: -74.5721°						
	DEPTH						
0.8	TOPSOIL			X			
1.5	GLACIAL TILL: SILTY GRAVEL (GM) , trace sand, brown, moist, loose			X	1.7	1-3-5-35 N=8	
3.4	WEATHERED LIMESTONE						
	Auger Refusal at 3.4 Feet						
	Estimated foundation depth @ 11'						

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
2 1/4" HSA

Abandonment Method:

Notes:

WATER LEVEL OBSERVATIONS

No measurable groundwater upon completion of drilling



Boring Started: 05-16-2019

Boring Completed: 05-16-2019

Drill Rig: Diedrich D-50

Driller: J. Lamm

Project No.: JB185149

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL. JB185149 EAST POINT SOLAR.GPJ TERRACON_DATATEMPLATE.GDT 8/1/19

BORING LOG NO. B-4

PROJECT: East Point Solar Site

CLIENT: NextEra Energy Resources LLC
Juno Beach, FL

SITE: US Route 20
Sharon Springs, NY

GRAPHIC LOG	LOCATION	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (In.)	FIELD TEST RESULTS	WATER CONTENT (%)
	Latitude: 42.7864° Longitude: -74.5687°						
	DEPTH						
0.4	TOPSOIL SANDY SILT (ML), trace gravel, brown, moist, very loose to loose			X	17	WH-2-2-2 N=4	
		5		X	1	1-1-1-1 N=2	
10.0	SILT (ML) , dark brown, moist, loose Estimated foundation depth @ 11'	10		X	12	0-0-4-5 N=4	
16.0		15		X	6	3-6-50/2"	
16.5	WEATHERED LIMESTONE , wet Auger Refusal at 16.5 Feet						

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
2 1/4" HSA

Abandonment Method:

Notes:

WATER LEVEL OBSERVATIONS

No measurable groundwater upon completion of drilling



Boring Started: 05-16-2019

Boring Completed: 05-16-2019

Drill Rig: Diedrich D-50

Driller: J. Lamm

Project No.: JB185149

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BORING LOG NO. B-5

PROJECT: East Point Solar Site

CLIENT: NextEra Energy Resources LLC
Juno Beach, FL

SITE: US Route 20
Sharon Springs, NY

GRAPHIC LOG	LOCATION	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	WATER CONTENT (%)
	Latitude: 42.7832° Longitude: -74.5726°						
	DEPTH						
0.6	TOPSOIL			X	6	2-50/2"	
2.0	WEATHERED LIMESTONE						
7.1	LIMESTONE , weathered, weak, very close to close fractured	5		28		REC= 50% RQD = 0%	
	Boring Terminated at 7.1 Feet				1	50/1" Spoon bouncing limestone dust recovered	
	Estimated foundation depth @ 11'						

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
4 1/4" HSA

Abandonment Method:

Notes:

WATER LEVEL OBSERVATIONS

No measurable groundwater upon completion of drilling



Boring Started: 05-16-2019

Boring Completed: 05-16-2019

Drill Rig: Diedrich D-50

Driller: J. Lamm

Project No.: JB185149

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BORING LOG NO. B-6

PROJECT: East Point Solar Site

CLIENT: NextEra Energy Resources LLC
Juno Beach, FL

SITE: US Route 20
Sharon Springs, NY

GRAPHIC LOG	LOCATION	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (In.)	FIELD TEST RESULTS	WATER CONTENT (%)
	Latitude: 42.7845° Longitude: -74.5625°						
	DEPTH						
0.7	TOPSOIL			X			
0.7	GLACIAL TILL: SILTY SAND with GRAVEL (SM) , trace sand, brown, moist, soft	5		X	20	WH-2-3-3 N=5	
9.5	Auger Refusal at 9.5 Feet			X	18	9-48-18 N=66	
	Estimated foundation depth @ 11'				0	50/0"	

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
2 1/4" HSA

Abandonment Method:

Notes:

WATER LEVEL OBSERVATIONS

No measurable groundwater upon completion of drilling



Boring Started: 05-17-2019

Boring Completed: 05-17-2019

Drill Rig: Diedrich D-50

Driller: J. Lamm

Project No.: JB185149

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL. JB185149 EAST POINT SOLAR.GPJ TERRACON.DATATEMPLATE.GDT 8/1/19

BORING LOG NO. B-7

PROJECT: East Point Solar Site

CLIENT: NextEra Energy Resources LLC
Juno Beach, FL

SITE: US Route 20
Sharon Springs, NY

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL. JB185149 EAST POINT SOLAR.GPJ TERRACON.DATATEMPLATE.GDT 8/1/19

GRAPHIC LOG	LOCATION	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (In.)	FIELD TEST RESULTS	WATER CONTENT (%)
	Latitude: 42.783° Longitude: -74.5567°						
	DEPTH						
0.8	TOPSOIL			X			
3.0	SILT WITH SAND (ML) , trace gravel, brown, moist, loose				20	WH-2-2-5 N=4	
5.0	GLACIAL TILL: SILTY SAND with GRAVEL (SM) , occasional cobbles, brown to gray, moist to dry, dense to very dense, grades to gray around 10' and became dry around 20'			X			
10.0				2	19-21-20 N=41		
15.0				X			
20.0				5	15-16-17 N=33		
21.5	Boring Terminated at 21.5 Feet			X			
				18	12-15-18 N=33		
				X			
				16	46-24-37 N=61		

Estimated foundation depth @ 11'

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
2 1/4" HSA

Abandonment Method:

Notes:

WATER LEVEL OBSERVATIONS

No measurable groundwater upon completion of drilling



Boring Started: 05-16-2019

Boring Completed: 05-16-2019

Drill Rig: Diedrich D-50

Driller: J. Lamm

Project No.: JB185149

BORING LOG NO. B-8

PROJECT: East Point Solar Site

CLIENT: NextEra Energy Resources LLC
Juno Beach, FL

SITE: US Route 20
Sharon Springs, NY

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL. JB185149 EAST POINT SOLAR.GPJ TERRACON.DATATEMPLATE.GDT 8/1/19

GRAPHIC LOG	LOCATION	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (In.)	FIELD TEST RESULTS	WATER CONTENT (%)
	Latitude: 42.7733° Longitude: -74.5561°						
	DEPTH						
0.7	TOPSOIL						
3.0	SANDY SILT WITH GRAVEL (ML) , trace rootlets, brown, moist, loose			X	20	WH-2-2-3 N=4	
5.0	GLACIAL TILL: SILTY SAND with GRAVEL (SM) , brown to gray, moist to dry, medium dense to dense, grades to gray and became dry around 10'						
10.0				X	18	7-12-15 N=27	
15.0							
20.0				X	18	16-19-23 N=42	
21.5							
	Estimated foundation depth @ 11'						
	Boring Terminated at 21.5 Feet						

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
2 1/4" HSA

Abandonment Method:

Notes:

WATER LEVEL OBSERVATIONS

No measurable groundwater upon completion of drilling



Boring Started: 05-24-2019

Boring Completed: 05-24-2019

Drill Rig: Diedrich D-50

Driller: J. Lamm

Project No.: JB185149

BORING LOG NO. B-9

PROJECT: East Point Solar Site

CLIENT: NextEra Energy Resources LLC
Juno Beach, FL

SITE: US Route 20
Sharon Springs, NY

GRAPHIC LOG	LOCATION	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (In.)	FIELD TEST RESULTS	WATER CONTENT (%)
	Latitude: 42.7701° Longitude: -74.548°						
	DEPTH						
0.7	TOPSOIL			X			
	GLACIAL TILL: SILTY SAND with GRAVEL (SM) , trace rootlets, occasional cobbles, brown, moist, loose to dense	5		X	20	WH-2-2-3 N=4	
9.0	Auger Refusal at 9 Feet					20-19-17 N=36	
	Estimated foundation depth @ 11'						

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method: 2 1/4" HSA		Notes:	
Abandonment Method:			
WATER LEVEL OBSERVATIONS	594 Broadway Watervliet, NY	Boring Started: 05-23-2019	Boring Completed: 05-23-2019
<i>No measurable groundwater upon completion of drilling</i>		Drill Rig: Diedrich D-50	Driller: J. Lamm
		Project No.: JB185149	

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BORING LOG NO. B-10

PROJECT: East Point Solar Site

CLIENT: NextEra Energy Resources LLC
Juno Beach, FL

SITE: US Route 20
Sharon Springs, NY

GRAPHIC LOG	LOCATION	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (In.)	FIELD TEST RESULTS	WATER CONTENT (%)
	Latitude: 42.7697° Longitude: -74.5646°						
	DEPTH						
0.7	TOPSOIL						
3.0	SANDY SILT WITH GRAVEL (ML) , brown, moist, loose			X	20	WH-2-2-2 N=4	
3.0	GLACIAL TILL: SILTY SAND with GRAVEL (SM) , occasional cobbles, brown to gray, moist to dry, dense to very dense, grades to gray and becomes dry around 10'	5					
				X	18	12-15-18 N=33	
		10					
				X	18	15-19-50 N=69	
	Auger Refusal at 11.5 Feet Estimated foundation depth @ 11'						

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
2 1/4" HSA

Abandonment Method:

WATER LEVEL OBSERVATIONS
No measurable groundwater upon completion of drilling

Notes:



Boring Started: 05-20-2019

Boring Completed: 05-20-2019

Drill Rig: Diedrich D-50

Driller: J. Lamm

Project No.: JB185149

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BORING LOG NO. B-11

PROJECT: East Point Solar Site

CLIENT: NextEra Energy Resources LLC
Juno Beach, FL

SITE: US Route 20
Sharon Springs, NY

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL. JB185149 EAST POINT SOLAR.GPJ TERRACON.DATATEMPLATE.GDT 8/1/19

GRAPHIC LOG	LOCATION	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (In.)	FIELD TEST RESULTS	WATER CONTENT (%)
	Latitude: 42.7782° Longitude: -74.5582°						
	DEPTH						
7.5	GLACIAL TILL: SILTY SAND with GRAVEL (SM) , trace rootlets, brown, moist to wet, loose to medium dense	5	X		20	WH-2-2-3 N=4	
7.5	GLACIAL TILL: SILTY SAND with GRAVEL (SM) , occasional cobbles, brown to gray, moist, very dense to dense, grades to gray around 11'	5	X		6	5-8-11 N=19	
7.5		10	X		18	25-28-33 N=61	
7.5	Estimated foundation depth @ 11'	15	▽		17	12-15-18 N=33	
21.5	Boring Terminated at 21.5 Feet	20	X		2	15-19-21 N=40	

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
2 1/4" HSA

Abandonment Method:

WATER LEVEL OBSERVATIONS
▽ Upon completion of drilling and sampling

594 Broadway
Watervliet, NY

Notes:	
Boring Started: 05-17-2019	Boring Completed: 05-17-2019
Drill Rig: Diedrich D-50	Driller: J. Lamm
Project No.: JB185149	

BORING LOG NO. B-12

PROJECT: East Point Solar Site

CLIENT: NextEra Energy Resources LLC
Juno Beach, FL

SITE: US Route 20
Sharon Springs, NY

GRAPHIC LOG	LOCATION	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (In.)	FIELD TEST RESULTS	WATER CONTENT (%)
	Latitude: 42.7662° Longitude: -74.5817°						
	DEPTH						
0.7	TOPSOIL						
3.0	SILT WITH SAND (ML) , trace gravel, brown, moist, loose			X	17	WH-2-5-5 N=7	
5.0	GLACIAL TILL: SILTY SAND with GRAVEL (SM) , occasional cobbles, brown to gray, moist, dense to very dense, grades to gray around 10'						
10.0				X	18	12-15-18 N=33	
15.0				X	17	17-20-38 N=58	
15.5							
16.5	WEATHERED SHALE			X	18	115-17-38 N=55	
	Auger Refusal at 16.5 Feet						
	Estimated foundation depth @ 11'						

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
2 1/4" HSA

Abandonment Method:

Notes:

WATER LEVEL OBSERVATIONS

No measurable groundwater upon completion of drilling



Boring Started: 05-20-2019

Boring Completed: 05-20-2019

Drill Rig: Diedrich D-50

Driller: J. Lamm

Project No.: JB185149

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BORING LOG NO. B-13

PROJECT: East Point Solar Site

CLIENT: NextEra Energy Resources LLC
Juno Beach, FL

SITE: US Route 20
Sharon Springs, NY

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL. JB185149 EAST POINT SOLAR.GPJ TERRACON.DATATEMPLATE.GDT 8/1/19

GRAPHIC LOG	LOCATION	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (In.)	FIELD TEST RESULTS	WATER CONTENT (%)
	Latitude: 42.765° Longitude: -74.5863°						
	DEPTH						
0.7	TOPSOIL			X			
	SANDY SILT (ML) , trace gravel, brown, moist, loose				18	WH-2-3-4 N=5	
3.0	GLACIAL TILL: SILTY SAND with GRAVEL (SM) , trace sand, brown, moist, medium dense to very dense						
		5		X	12	25-10-10 N=20	
		10		X	16	10-17-50/4"	
	Estimated foundation depth @ 11'						
13.0	Auger Refusal at 13 Feet						

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
2 1/4" HSA

Abandonment Method:

Notes:

WATER LEVEL OBSERVATIONS

No measurable groundwater upon completion of drilling



Boring Started: 05-22-2019

Boring Completed: 05-22-2019

Drill Rig: Diedrich D-50

Driller: J. Lamm

Project No.: JB185149

BORING LOG NO. B-14

PROJECT: East Point Solar Site

CLIENT: NextEra Energy Resources LLC
Juno Beach, FL

SITE: US Route 20
Sharon Springs, NY

GRAPHIC LOG	LOCATION	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (In.)	FIELD TEST RESULTS	WATER CONTENT (%)
	Latitude: 42.7616° Longitude: -74.5857°						
	DEPTH						
0.7	TOPSOIL			X			
	GLACIAL TILL: SILTY SAND with GRAVEL (SM) , occsional cobbles, brown, moist, loose to very dense				17	WH-1-2-3 N=3	
		5					
6.4	Auger Refusal at 6.4 Feet				1	50/1"	
	Estimated foundation depth @ 11'						

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
2 1/4" HSA

Abandonment Method:

Notes:

WATER LEVEL OBSERVATIONS

No measurable groundwater upon completion of drilling



Boring Started: 05-22-2019

Boring Completed: 05-22-2019

Drill Rig: Diedrich D-50

Driller: J. Lamm

Project No.: JB185149

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BORING LOG NO. B-15

PROJECT: East Point Solar Site

CLIENT: NextEra Energy Resources LLC
Juno Beach, FL

SITE: US Route 20
Sharon Springs, NY

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GRAPHIC LOG	LOCATION	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	WATER CONTENT (%)
	Latitude: 42.764° Longitude: -74.5809°						
	DEPTH						
0.6	TOPSOIL						
	GLACIAL TILL: SILTY SAND with GRAVEL (SM) , trace gravel, rootlets and shale fragments, brown, moist, loose			X	20	WH-2-3-4 N=5	
3.0	GLACIAL TILL: SILTY SAND with GRAVEL (SM) , occasional cobbles and limestone fragments, brown to gray, dry to moist, dense						
		5		X	18	6-12-18 N=30	
		10		X	18	8-11-15 N=26	
	Estimated foundation depth @ 11'						
		15		X	18	21-22-25 N=47	
		20		X	18	17-22-24 N=46	
21.5	Boring Terminated at 21.5 Feet						

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
2 1/4" HSA

Abandonment Method:

Notes:

WATER LEVEL OBSERVATIONS

No measurable groundwater upon completion of drilling



Boring Started: 05-22-2019

Boring Completed: 05-22-2019

Drill Rig: Diedrich D-50

Driller: J. Lamm

Project No.: JB185149

BORING LOG NO. B-16

PROJECT: East Point Solar Site

CLIENT: NextEra Energy Resources LLC
Juno Beach, FL

SITE: US Route 20
Sharon Springs, NY

GRAPHIC LOG	LOCATION	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (In.)	FIELD TEST RESULTS	WATER CONTENT (%)
	Latitude: 42.7657° Longitude: -74.5774°						
	DEPTH						
0.5	TOPSOIL						
	GLACIAL TILL: SILTY SAND with GRAVEL (SM) , trace sand and rootlets, brown, moist, loose			X	17	WH-3-3-4 N=6	
3.0	GLACIAL TILL: SANDY SILT WITH GRAVEL (ML) , occasional limestone fragments, brown to gray, moist to wet, dense, became gray and wet around 11'						
		5		X	18	12-13-17 N=30	
		10	▽	X	18	10-17-17 N=34	
	Estimated foundation depth @ 11'						
15.4	Auger Refusal at 15.4 Feet	15		X	4	50/4"	

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
2 1/4" HSA

Abandonment Method:

WATER LEVEL OBSERVATIONS

▽ Upon completion of drilling and sampling

Notes:



Boring Started: 05-22-2019

Boring Completed: 05-22-2019

Drill Rig: Diedrich D-50

Driller: J. Lamm

Project No.: JB185149

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BORING LOG NO. SS-1

PROJECT: East Point Solar Site

CLIENT: NextEra Energy Resources LLC
Juno Beach, FL

SITE: US Route 20
Sharon Springs, NY

GRAPHIC LOG	LOCATION	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (In.)	FIELD TEST RESULTS	WATER CONTENT (%)
	Latitude: 42.7684° Longitude: -74.5447°						
	DEPTH						
0.4	TOPSOIL						
5.2	GLACIAL TILL: SILTY SAND with GRAVEL (SM) , brown, moist, loose to very dense			X	18	WH-2-3-5 N=5	
	Auger Refusal at 5.2 Feet	5		X	1	50/2"	
	Estimated foundation depth @ 20'						

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
2 1/4" HSA

Abandonment Method:

Notes:

WATER LEVEL OBSERVATIONS

No measurable groundwater upon completion of drilling



Boring Started: 05-24-2019

Boring Completed: 05-24-2019

Drill Rig: Diedrich D-50

Driller: J. Lamm

Project No.: JB185149

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL. JB185149 EAST POINT SOLAR.GPJ TERRACON_DATATEMPLATE.GDT 8/1/19

BORING LOG NO. SS-2

PROJECT: East Point Solar Site

CLIENT: NextEra Energy Resources LLC
Juno Beach, FL

SITE: US Route 20
Sharon Springs, NY

GRAPHIC LOG	LOCATION	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (In.)	FIELD TEST RESULTS	WATER CONTENT (%)
	Latitude: 42.7689° Longitude: -74.5441°						
	DEPTH						
0.5	TOPSOIL						
5.2	GLACIAL TILL: SILTY SAND with GRAVEL (SM) , trace rootlets, brown, moist, loose to dense			X	21	0-2-2-3 N=4 WH-2-2-3 N=4	
5.4	WEATHERED LIMESTONE <i>Auger Refusal at 5.4 Feet</i>	5		X	11	35-50/5"	
Estimated foundation depth @ 20'							

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
2 1/4" HSA

Abandonment Method:

Notes:

WATER LEVEL OBSERVATIONS

No measurable groundwater upon completion of drilling



Boring Started: 05-24-2019

Boring Completed: 05-24-2019

Drill Rig: Diedrich D-50

Driller: J. Lamm

Project No.: JB185149

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TEST PIT LOG NO. TP-1

PROJECT: East Point Solar Site

CLIENT: NextEra Energy Resources LLC
Juno Beach, FL

SITE: US Route 20
Sharon Springs, NY

GRAPHIC LOG	LOCATION	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (In.)	FIELD TEST RESULTS	WATER CONTENT (%)
	Latitude: 42.7927° Longitude: -74.568°						
	DEPTH						
0.3	TOPSOIL						
5	GLACIAL TILL: SILTY SAND with gravel (SM) , frequent cobbles, brown to gray, moist to wet, grades became gray around 5', cobbles became more frequent as the depth increased	5	▽				
10	Estimated foundation depth @ 11'	10					
11.5	Test Pit Refusal at 11.5 Feet						

Stratification lines are approximate. In-situ, the transition may be gradual.

Advancement Method:
Flat bucket for the topsoil and bucket with teeth for the till.

Abandonment Method:
Boring backfilled with soil cuttings upon completion.
Topsoil was separated and placed on the top layer.

WATER LEVEL OBSERVATIONS

▽ *During the test pit excavation*

Notes:



Test Pit Started: 05-15-2019

Test Pit Completed: 05-15-2019

Excavator: Volvo EC160C

Operator: Tom Carter

Project No.: JB185149

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TEST PIT LOG NO. TP-2

PROJECT: East Point Solar Site

CLIENT: NextEra Energy Resources LLC
Juno Beach, FL

SITE: US Route 20
Sharon Springs, NY

GRAPHIC LOG	LOCATION	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (In.)	FIELD TEST RESULTS	WATER CONTENT (%)
	Latitude: 42.7851° Longitude: -74.5675°						
	DEPTH						
0.5	TOPSOIL						
	GLACIAL TILL: SILTY SAND with gravel (SM) , frequent cobbles, brown, moist	5					
6.9	BEDROCK		▽				
7.0	Test Pit Refusal at 7 Feet						
	Estimated foundation depth @ 11'						

Stratification lines are approximate. In-situ, the transition may be gradual.

Advancement Method:
Flat bucket for the topsoil and bucket with teeth for the till.

Abandonment Method:
Boring backfilled with soil cuttings upon completion.
Topsoil was separated and placed on the top layer.

Notes:

WATER LEVEL OBSERVATIONS

▽ *Water perched on bedrock*



Test Pit Started: 05-15-2019

Test Pit Completed: 05-15-2019

Excavator: Volvo EC160C

Operator: Tom Carter

Project No.: JB185149

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TEST PIT LOG NO. TP-4

PROJECT: East Point Solar Site

CLIENT: NextEra Energy Resources LLC
Juno Beach, FL

SITE: US Route 20
Sharon Springs, NY

GRAPHIC LOG	LOCATION	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (In.)	FIELD TEST RESULTS	WATER CONTENT (%)
	Latitude: 42.771° Longitude: -74.5666°						
	DEPTH						
0.5	TOPSOIL						
5.5	GLACIAL TILL: SILTY SAND with GRAVEL (SM) , frequent cobbles, brown, moist	5					
	<i>Test Pit Refusal at 5.5 Feet</i>						
	Estimated foundation depth @ 11'						

Stratification lines are approximate. In-situ, the transition may be gradual.

Advancement Method:
Flat bucket for the topsoil and bucket with teeth for the till.

Abandonment Method:
Boring backfilled with soil cuttings upon completion.
Topsoil was separated and placed on the top layer.

Notes:

WATER LEVEL OBSERVATIONS

No measurable groundwater upon completion of test pit



Test Pit Started: 05-15-2019

Test Pit Completed: 05-15-2019

Excavator: Volvo EC160C

Operator: Tom Carter

Project No.: JB185149

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