CIVIL ENGINEERING
ENVIRONMENTAL
SURVEYING
LANDSCAPE ARCHITECTURE
GEOTECHNICAL

SOIL INVESTIGATION

Clinton Moebus 34, LLC
Block 14, Lot 32
Town of Clinton
Hunterdon County, New Jersey

Wayne J. Ingram, P.E., P.P., P.L.S.
Professional Engineer
License No. 24GEB04258200

Date: 3-3-2020

Celebrating 20
2000-2020
Expertise
Innovation
Solutions

E&LP

Headquarters
140 West Main Street | High Bridge, NJ 08829
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Clinton | Asbury Park | Denville | Philadelphia

E&LP

140 WEST MAIN STREET CLINTON TOWNSHIP, NJ 08829
(908) 238-0544 FAX: (908)238-9572
C.O.A. #: 24GA28021500

A PROFESSIONAL ASSOCIATION

TITLE:

SOIL LOG LOCATION MAP

LOCATION: 65 ½ CENTER STREET BLOCK 14 LOT 32 TOWN OF CLINTON HUNTERDON COUNTY, NJ	SCALE: 1"=200'	PROJECT NO.: 8144	
	DATE: 2/25/2020	DRAWN BY: AAP	
	FILENAME: SLLOCATIONMAP.DWG	SHEET NO.: 1	

SOIL LOG

Project Name:	Clinton Moebus 34, LLC	Boring #:	SL-1
Client Project #:		E&LP Project #:	8144
Location:	Town of Clinton, Hunterdon County	Total Depth:	
Date Drilled:	2/17/2020	Static Groundwater Level:	
Drilling Contractor:		Ground Surface Elevation:	Not Surveyed
Drilling Method:		Sampling Equipment:	--
Drilling Equipment:		Casing Equipment:	--
Drilling Angle:		Logged by:	MP

Depth Below Surface (Feet)	Blow Count 6"-6"-6"-6"	Recovery (in)	Sample Interval	Sample ID#	Lithologic Description	Comments	Depth Below Surface (Feet)
0.0					11" Topsoil;	No mottling or evidence of groundwater	0.0
0.5							0.5
1.0							1.0
1.5					Silty Clay; 10 YR 5/6; 5% Gravel; Subang Blocky; Dry; Friable		1.5
2.0							2.0
2.5					Gneiss Rock & Very Fine Silt; 10 YR 6/2; 10% Gravel, 10% Cobble; 80% Stone; Subgang Blocky; Dry; Friable	No mottling or evidence of groundwater	2.5
3.0							3.0
3.5							3.5
4.0							4.0
4.5							4.5
5.0							5.0
5.5							5.5
6.0					**Refusal @ 70"**		6.0
6.5							6.5
7.0							7.0
7.5							7.5
8.0							8.0
8.5							8.5
9.0							9.0
9.5							9.5
10.0							10.0
10.5							10.5
11.0							11.0
11.5							11.5
12.0							12.0
12.5							12.5
13.0							13.0
13.5							13.5
14.0							14.0
14.5							14.5
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21.0							21.0
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22.0							22.0
22.5							22.5
23.0							23.0
23.5							23.5
24.0							24.0
24.5							24.5
25.0							25.0

SOIL LOG

Project Name:	Clinton Moebus 34, LLC	Boring #:	SL-2
Client Project #:		E&LP Project #:	8144
Location:	Town of Clinton, Hunterdon County	Total Depth:	
Date Drilled:	2/17/2020	Static Groundwater Level:	
Drilling Contractor:		Ground Surface Elevation:	Not Surveyed
Drilling Method:		Sampling Equipment:	--
Drilling Equipment:		Casing Equipment:	--
Drilling Angle:		Logged by:	MP

Depth Below Surface (Feet)	Blow Count 6"-6"-6"-6"	Recovery (in)	Sample Interval	Sample ID#	Lithologic Description	Comments	Depth Below Surface (Feet)
0.0					12" Topsoil;	No mottling or evidence of groundwater	0.0
0.5							0.5
1.0							1.0
1.5					Silty Clay; 10 YR 4/6; Subang Blocky; Dry; Friable Sample A @ 4'-5'	No mottling or evidence of groundwater	1.5
2.0							2.0
2.5							2.5
3.0							3.0
3.5							3.5
4.0							4.0
4.5							4.5
5.0							5.0
5.5							5.5
6.0							6.0
6.5					Silty Clay; 10 YR 6/6; 10% Gravel, 10% Cobble Subang Blocky; Moist; Friable Sample B @ 7'-7.5'	No mottling or evidence of groundwater	6.5
7.0							7.0
7.5							7.5
8.0							8.0
8.5					Silty Clay;10 YR 5/3; 10% Gravel, 10% Cobble Subang Blocky; Moist; Friable Sample C @ 9'-9.5'	Many signs of mottling (20%<) Distinct, Coarse (>15mm) Depth to 95"	8.5
9.0							9.0
9.5							9.5
10.0							10.0
10.5							10.5
11.0							11.0
11.5							11.5
12.0							12.0
12.5							12.5
13.0							13.0
13.5							13.5
14.0							14.0
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24.5							24.5
25.0							25.0

SOIL LOG

Project Name:	Clinton Moebus 34, LLC	Boring #:	SL-3
Client Project #:		E&LP Project #:	8144
Location:	Town of Clinton, Hunterdon County	Total Depth:	
Date Drilled:	2/17/2020	Static Groundwater Level:	
Drilling Contractor:		Ground Surface Elevation:	Not Surveyed
Drilling Method:		Sampling Equipment:	--
Drilling Equipment:		Casing Equipment:	--
Drilling Angle:		Logged by:	MP

Depth Below Surface (Feet)	Blow Count 6"-6"-6"-6"	Recovery (in)	Sample Interval	Sample ID#	Lithologic Description	Comments	Depth Below Surface (Feet)
0.0					15" Topsoil;	No mottling or evidence of groundwater	0.0
0.5							0.5
1.0							1.0
1.5							1.5
2.0					Silty Clay; 10 YR 4/6; Subang Blocky; Moist; Friable Sample A @ 4'-5.5'	No mottling or evidence of groundwater	2.0
2.5							2.5
3.0							3.0
3.5							3.5
4.0							4.0
4.5							4.5
5.0							5.0
5.5							5.5
6.0							6.0
6.5					Silty Clay; 10 YR 6/6; Subang Blocky; Moist; Friable Sample B @ 7'-7.5'	No mottling. Evidence of seepage @ 127"	6.5
7.0							7.0
7.5							7.5
8.0							8.0
8.5							8.5
9.0							9.0
9.5							9.5
10.0							10.0
10.5							10.5
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24.0							24.0
24.5							24.5
25.0							25.0

SOIL LOG

Project Name:	Clinton Moebus 34, LLC	Boring #:	SL-4
Client Project #:		E&LP Project #:	8144
Location:	Town of Clinton, Hunterdon County	Total Depth:	
Date Drilled:	2/17/2020	Static Groundwater Level:	
Drilling Contractor:		Ground Surface Elevation:	Not Surveyed
Drilling Method:		Sampling Equipment:	--
Drilling Equipment:		Casing Equipment:	--
Drilling Angle:		Logged by:	MP

Depth Below Surface (Feet)	Blow Count 6"-6"-6"-6"	Recovery (in)	Sample Interval	Sample ID#	Lithologic Description	Comments	Depth Below Surface (Feet)
0.0					15" Topsoil;	No mottling or evidence of groundwater	0.0
0.5							0.5
1.0							1.0
1.5							1.5
2.0					Silty Clay; 10 YR 4/4; 20% Cobble, 10% Stone Subang Blocky; Moist; Friable	No mottling or evidence of groundwater Unconsolidated Fill. Asphalt.	2.0
2.5							2.5
3.0							3.0
3.5							3.5
4.0							4.0
4.5							4.5
5.0							5.0
5.5					Silty Clay; 10 YR 3/2; 15% Cobble, 15% Stone Subang Blocky; Moist; Friable	No mottling or evidence of groundwater. Unconsolidated Fill. Asphalt.	5.5
6.0							6.0
6.5							6.5
7.0							7.0
7.5							7.5
8.0							8.0
8.5							8.5
9.0							9.0
9.5							9.5
10.0							10.0
10.5							10.5
11.0							11.0
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24.0							24.0
24.5							24.5
25.0							25.0

SOIL LOG

Project Name:	Clinton Moebus 34, LLC	Boring #:	SL-5
Client Project #:		E&LP Project #:	8144
Location:	Town of Clinton, Hunterdon County	Total Depth:	
Date Drilled:	2/17/2020	Static Groundwater Level:	
Drilling Contractor:		Ground Surface Elevation:	Not Surveyed
Drilling Method:		Sampling Equipment:	--
Drilling Equipment:		Casing Equipment:	--
Drilling Angle:		Logged by:	MP

Depth Below Surface (Feet)	Blow Count 6"-6"-6"-6"	Recovery (in)	Sample Interval	Sample ID#	Lithologic Description	Comments	Depth Below Surface (Feet)
0.0					12" Topsoil;	No mottling or evidence of groundwater	0.0
0.5							0.5
1.0							1.0
1.5					Silt; 10 YR 4/2; 5% Gravel; 10% Cobble, 5% Stone Subang Blocky; Dry; Loose	No mottling or evidence of groundwater Fill material.	1.5
2.0							2.0
2.5							2.5
3.0							3.0
3.5					Silty Clay; 10 YR 4/6; 5% Gravel, 5% Cobble Subang Blocky; Moist; Friable	No mottling or evidence of groundwater Fill material.	3.5
4.0							4.0
4.5							4.5
5.0							5.0
5.5							5.5
6.0					Silty Clay; 10 YR 4/3; 10% Gravel, 15% Cobble, 15% Stone Subang Blocky; Moist; Friable	No mottling or evidence of groundwater Fill material.	6.0
6.5							6.5
7.0							7.0
7.5							7.5
8.0							8.0
8.5							8.5
9.0							9.0
9.5							9.5
10.0							10.0
10.5							10.5
11.0							11.0
11.5							11.5
12.0							12.0
12.5							12.5
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21.0							21.0
21.5							21.5
22.0							22.0
22.5							22.5
23.0							23.0
23.5							23.5
24.0							24.0
24.5							24.5
25.0							25.0

SOIL LOG

Project Name:	Clinton Moebus 34, LLC	Boring #:	SL-6
Client Project #:		E&LP Project #:	8144
Location:	Town of Clinton, Hunterdon County	Total Depth:	
Date Drilled:	2/17/2020	Static Groundwater Level:	
Drilling Contractor:		Ground Surface Elevation:	Not Surveyed
Drilling Method:		Sampling Equipment:	--
Drilling Equipment:		Casing Equipment:	--
Drilling Angle:		Logged by:	MP

Depth Below Surface (Feet)	Blow Count 6"-6"-6"-6"	Recovery (in)	Sample Interval	Sample ID#	Lithologic Description	Comments	Depth Below Surface (Feet)
0.0					10" Topsoil;	No mottling or evidence of groundwater	0.0
0.5							0.5
1.0							1.0
1.5					Silty Clay; 10 YR 3/3; Subang Blocky; Dry; Loose	No mottling or evidence of groundwater. Fill material	1.5
2.0							2.0
2.5					Silty Clay; 10 YR 4/4; 5% Gravel, 5% Cobble; Subang Blocky; Moist; Friable	No mottling or evidence of groundwater. Fill material	2.5
3.0							3.0
3.5							3.5
4.0							4.0
4.5							4.5
5.0							5.0
5.5							5.5
6.0							6.0
6.5							6.5
7.0							7.0
7.5							7.5
8.0							8.0
8.5					Silty Clay; 10 YR 6/1; 5% Gravel, 5% Cobble;	Common signs of mottling (5-20%)	8.5
9.0					Subang Blocky; Moist; Firm	Distinct, Medium (<15mm)	9.0
9.5					**Refusal @ 110"**	Evidence of seepage @ 96"	9.5
10.0							10.0
10.5							10.5
11.0							11.0
11.5							11.5
12.0							12.0
12.5							12.5
13.0							13.0
13.5							13.5
14.0							14.0
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19.0							19.0
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20.0							20.0
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22.0							22.0
22.5							22.5
23.0							23.0
23.5							23.5
24.0							24.0
24.5							24.5
25.0							25.0

SOIL LOG

Project Name:	Clinton Moebus 34, LLC	Boring #:	SL-7
Client Project #:		E&LP Project #:	8144
Location:	Town of Clinton, Hunterdon County	Total Depth:	
Date Drilled:	2/17/2020	Static Groundwater Level:	
Drilling Contractor:		Ground Surface Elevation:	Not Surveyed
Drilling Method:		Sampling Equipment:	--
Drilling Equipment:		Casing Equipment:	--
Drilling Angle:		Logged by:	MP

Depth Below Surface (Feet)	Blow Count 6"-6"-6"-6"	Recovery (in)	Sample Interval	Sample ID#	Lithologic Description	Comments	Depth Below Surface (Feet)
0.0					11" Topsoil;	No mottling or evidence of groundwater	0.0
0.5							0.5
1.0					Silty Clay; 10 YR 4/6; 5% Gravel Subang Blocky; Dry; Friable	No mottling or evidence of groundwater	1.0
1.5							1.5
2.0					Silty Clay; 10 YR 4/4; 5% Gravel, 10% Cobble; Subang Blocky; Dry; Firm **Refusal @ 34"**	No mottling or evidence of groundwater	2.0
2.5							2.5
3.0							3.0
3.5							3.5
4.0							4.0
4.5							4.5
5.0							5.0
5.5							5.5
6.0							6.0
6.5							6.5
7.0							7.0
7.5							7.5
8.0							8.0
8.5							8.5
9.0							9.0
9.5							9.5
10.0							10.0
10.5							10.5
11.0							11.0
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21.5							21.5
22.0							22.0
22.5							22.5
23.0							23.0
23.5							23.5
24.0							24.0
24.5							24.5
25.0							25.0

SOIL LOG

Project Name:	Clinton Moebus 34, LLC	Boring #:	SL-8
Client Project #:		E&LP Project #:	8144
Location:	Town of Clinton, Hunterdon County	Total Depth:	
Date Drilled:	2/17/2020	Static Groundwater Level:	
Drilling Contractor:		Ground Surface Elevation:	Not Surveyed
Drilling Method:		Sampling Equipment:	--
Drilling Equipment:		Casing Equipment:	--
Drilling Angle:		Logged by:	MP

Depth Below Surface (Feet)	Blow Count 6"-6"-6"-6"	Recovery (in)	Sample Interval	Sample ID#	Lithologic Description	Comments	Depth Below Surface (Feet)
0.0					10" Topsoil;	No mottling or evidence of groundwater	0.0
0.5							0.5
1.0					Silty Clay; 10 YR 4/6; 5% Gravel; Subang Blocky; Dry; Friable	No mottling or evidence of groundwater	1.0
1.5							1.5
2.0							2.0
2.5							2.5
3.0							3.0
3.5					Silty Clay; 10 YR 3/4; 10% Gravel, 15% Cobble, 15% Stone; Subang Blocky; Dry; Friable	No mottling or evidence of groundwater	3.5
4.0							4.0
4.5							4.5
5.0							5.0
5.5							5.5
6.0							6.0
6.5							6.5
7.0							7.0
7.5					**Refusal @ 88"**		7.5
8.0							8.0
8.5							8.5
9.0							9.0
9.5							9.5
10.0							10.0
10.5							10.5
11.0							11.0
11.5							11.5
12.0							12.0
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23.5							23.5
24.0							24.0
24.5							24.5
25.0							25.0

SOIL LOG

Project Name:	Clinton Moebus 34, LLC	Boring #:	SL-9
Client Project #:		E&LP Project #:	8144
Location:	Town of Clinton, Hunterdon County	Total Depth:	
Date Drilled:	2/17/2020	Static Groundwater Level:	
Drilling Contractor:		Ground Surface Elevation:	Not Surveyed
Drilling Method:		Sampling Equipment:	--
Drilling Equipment:		Casing Equipment:	--
Drilling Angle:		Logged by:	MP

Depth Below Surface (Feet)	Blow Count 6"-6"-6"-6"	Recovery (in)	Sample Interval	Sample ID#	Lithologic Description	Comments	Depth Below Surface (Feet)
0.0					10" Topsoil;	No mottling or evidence of groundwater	0.0
0.5							0.5
1.0							1.0
1.5							1.5
2.0					Silty Clay; 10 YR 5/6; 5% Gravel; Subang Blocky; Dry; Friable	No mottling or evidence of groundwater	2.0
2.5							2.5
3.0							3.0
3.5							3.5
4.0							4.0
4.5							4.5
5.0							5.0
5.5					Silty Clay; 10 YR 4/6; 5% Gravel, 5% Cobble, 10% Stone Subang Blocky, Moist; Friable **Refusal @ 111"**	No mottling or evidence of groundwater	5.5
6.0							6.0
6.5							6.5
7.0							7.0
7.5							7.5
8.0							8.0
8.5							8.5
9.0							9.0
9.5							9.5
10.0							10.0
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23.0							23.0
23.5							23.5
24.0							24.0
24.5							24.5
25.0							25.0

SOIL LOG

Project Name:	Clinton Moebus 34, LLC	Boring #:	SL-10
Client Project #:		E&LP Project #:	8144
Location:	Town of Clinton, Hunterdon County	Total Depth:	
Date Drilled:	2/17/2020	Static Groundwater Level:	
Drilling Contractor:		Ground Surface Elevation:	Not Surveyed
Drilling Method:		Sampling Equipment:	--
Drilling Equipment:		Casing Equipment:	--
Drilling Angle:		Logged by:	MP

Depth Below Surface (Feet)	Blow Count 6"-6"-6"-6"	Recovery (in)	Sample Interval	Sample ID#	Lithologic Description	Comments	Depth Below Surface (Feet)
0.0					8" Topsoil;	No mottling or evidence of groundwater	0.0
0.5							0.5
1.0							1.0
1.5					Silt Loam; 10 YR 5/4; 10% Gravel, 15% Cobble, 20% Stone Subang Blocky; Dry; Friable	No mottling or evidence of groundwater	1.5
2.0							2.0
2.5							2.5
3.0							3.0
3.5					Silt Clay Loam; 10 YR 4/3; 5% Gravel, 10% Cobble, 80% Stone Subang Blocky; Dry; Firm	No mottling or evidence of groundwater	3.5
4.0							4.0
4.5							4.5
5.0							5.0
5.5							5.5
6.0							6.0
6.5							6.5
7.0							7.0
7.5							7.5
8.0							8.0
8.5							8.5
9.0							9.0
9.5							9.5
10.0							10.0
10.5							10.5
11.0							11.0
11.5							11.5
12.0							12.0
12.5							12.5
13.0							13.0
13.5							13.5
14.0							14.0
14.5							14.5
15.0							15.0
15.5							15.5
16.0							16.0
16.5							16.5
17.0							17.0
17.5							17.5
18.0							18.0
18.5							18.5
19.0							19.0
19.5							19.5
20.0							20.0
20.5							20.5
21.0							21.0
21.5							21.5
22.0							22.0
22.5							22.5
23.0							23.0
23.5							23.5
24.0							24.0
24.5							24.5
25.0							25.0

SOIL LOG

Project Name:	Clinton Moebus 34, LLC	Boring #:	SL-11
Client Project #:		E&LP Project #:	8144
Location:	Town of Clinton, Hunterdon County	Total Depth:	
Date Drilled:	2/17/2020	Static Groundwater Level:	
Drilling Contractor:		Ground Surface Elevation:	Not Surveyed
Drilling Method:		Sampling Equipment:	--
Drilling Equipment:		Casing Equipment:	--
Drilling Angle:		Logged by:	MP

Depth Below Surface (Feet)	Blow Count 6"-6"-6"-6"	Recovery (in)	Sample Interval	Sample ID#	Lithologic Description	Comments	Depth Below Surface (Feet)
0.0					12" Topsoil;	No mottling or evidence of groundwater	0.0
0.5							0.5
1.0							1.0
1.5					Loamy Sand; 10 YR 4/3; 20% Gravel, 30% Cobble, 10% Stone Suband Blocky; Dry; Friable	No mottling or evidence of groundwater	1.5
2.0							2.0
2.5							2.5
3.0							3.0
3.5							3.5
4.0							4.0
4.5							4.5
5.0							5.0
5.5							5.5
6.0							6.0
6.5							6.5
7.0							7.0
7.5							7.5
8.0							8.0
8.5							8.5
9.0							9.0
9.5							9.5
10.0							10.0
10.5							10.5
11.0							11.0
11.5							11.5
12.0							12.0
12.5							12.5
13.0							13.0
13.5							13.5
14.0							14.0
14.5							14.5
15.0							15.0
15.5							15.5
16.0							16.0
16.5							16.5
17.0							17.0
17.5							17.5
18.0							18.0
18.5							18.5
19.0							19.0
19.5							19.5
20.0							20.0
20.5							20.5
21.0							21.0
21.5							21.5
22.0							22.0
22.5							22.5
23.0							23.0
23.5							23.5
24.0							24.0
24.5							24.5
25.0							25.0

SOIL LOG

Project Name:	Clinton Moebus 34, LLC	Boring #:	SL-12
Client Project #:		E&LP Project #:	8144
Location:	Town of Clinton, Hunterdon County	Total Depth:	
Date Drilled:	2/17/2020	Static Groundwater Level:	
Drilling Contractor:		Ground Surface Elevation:	Not Surveyed
Drilling Method:		Sampling Equipment:	--
Drilling Equipment:		Casing Equipment:	--
Drilling Angle:		Logged by:	MP

Depth Below Surface (Feet)	Blow Count 6"-6"-6"-6"	Recovery (in)	Sample Interval	Sample ID#	Lithologic Description	Comments	Depth Below Surface (Feet)
0.0					12" Topsoil;	No mottling or evidence of groundwater	0.0
0.5							0.5
1.0							1.0
1.5					Loamy Sand; 10 YR 4/3; 20% Gravel, 20% Cobble, 10% Stone	No mottling or evidence of groundwater	1.5
2.0							2.0
2.5							2.5
3.0							3.0
3.5							3.5
4.0							4.0
4.5							4.5
5.0							5.0
5.5					Loamy Sand; 10 YR 4/3; 20% Gravel, 20% Cobble, 10% Stone Subang Blocky, Dry, Friable	No mottling or evidence of groundwater. @ 5FT: 10 YR 6/6 Clay Layer (Fill Material) @ 9FT: 3-5" Layer Gneiss Rock and Very Fine Silt	5.5
6.0							6.0
6.5							6.5
7.0							7.0
7.5							7.5
8.0							8.0
8.5							8.5
9.0							9.0
9.5							9.5
10.0							10.0
10.5							10.5
11.0							11.0
11.5							11.5
12.0							12.0
12.5							12.5
13.0							13.0
13.5							13.5
14.0							14.0
14.5							14.5
15.0							15.0
15.5							15.5
16.0							16.0
16.5							16.5
17.0							17.0
17.5							17.5
18.0							18.0
18.5							18.5
19.0							19.0
19.5							19.5
20.0							20.0
20.5							20.5
21.0							21.0
21.5							21.5
22.0							22.0
22.5							22.5
23.0							23.0
23.5							23.5
24.0							24.0
24.5							24.5
25.0							25.0

SOIL LOG

Project Name:	Clinton Moebus 34, LLC	Boring #:	SL-13
Client Project #:		E&LP Project #:	8144
Location:	Town of Clinton, Hunterdon County	Total Depth:	
Date Drilled:	2/17/2020	Static Groundwater Level:	
Drilling Contractor:		Ground Surface Elevation:	Not Surveyed
Drilling Method:		Sampling Equipment:	--
Drilling Equipment:		Casing Equipment:	--
Drilling Angle:		Logged by:	MP

Depth Below Surface (Feet)	Blow Count 6"-6"-6"-6"	Recovery (in)	Sample Interval	Sample ID#	Lithologic Description	Comments	Depth Below Surface (Feet)
0.0							0.0
0.5					10" Topsoil;	No mottling or evidence of groundwater	0.5
1.0							1.0
1.5							1.5
2.0						No mottling or evidence of groundwater	2.0
2.5							2.5
3.0					Silty Clay; 10 YR 5/8; Subang Blocky; Dry; Friable		3.0
3.5						Side of depressed land is more than 50% rock @ 4FT	3.5
4.0							4.0
4.5							4.5
5.0							5.0
5.5							5.5
6.0					Silty Clay; 10 YR 4/6; 10% Gravel, 30% Cobble, 30% Stone Subang Blocky; Dry; Friable	No mottling or evidence of groundwater.	6.0
6.5							6.5
7.0							7.0
7.5							7.5
8.0					**Refusal @ 96"**		8.0
8.5							8.5
9.0							9.0
9.5							9.5
10.0							10.0
10.5							10.5
11.0							11.0
11.5							11.5
12.0							12.0
12.5							12.5
13.0							13.0
13.5							13.5
14.0							14.0
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15.0							15.0
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17.0							17.0
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19.5							19.5
20.0							20.0
20.5							20.5
21.0							21.0
21.5							21.5
22.0							22.0
22.5							22.5
23.0							23.0
23.5							23.5
24.0							24.0
24.5							24.5
25.0							25.0

SOIL LOG

Project Name:	Clinton Moebus 34, LLC	Boring #:	SL-14
Client Project #:		E&LP Project #:	8144
Location:	Town of Clinton, Hunterdon County	Total Depth:	
Date Drilled:	2/17/2020	Static Groundwater Level:	
Drilling Contractor:		Ground Surface Elevation:	Not Surveyed
Drilling Method:		Sampling Equipment:	--
Drilling Equipment:		Casing Equipment:	--
Drilling Angle:		Logged by:	MP

Depth Below Surface (Feet)	Blow Count 6"-6"-6"-6"	Recovery (in)	Sample Interval	Sample ID#	Lithologic Description	Comments	Depth Below Surface (Feet)
0.0							0.0
0.5					8" Topsoil;	No mottling or evidence of groundwater	0.5
1.0							1.0
1.5					Clay Loam; 10 YR 4/6; Subang Blocky; Dry; Friable	No mottling or evidence of groundwater	1.5
2.0							2.0
2.5							2.5
3.0							3.0
3.5					Clay Loam; 10 YR 5/4; 20% Gravel, 30% Cobble, 20% Stone Subang Blocky; Dry; Friable	No mottling or evidence of groundwater	3.5
4.0							4.0
4.5							4.5
5.0					**Refusal @ 60"**		5.0
5.5							5.5
6.0							6.0
6.5							6.5
7.0							7.0
7.5							7.5
8.0							8.0
8.5							8.5
9.0							9.0
9.5							9.5
10.0							10.0
10.5							10.5
11.0							11.0
11.5							11.5
12.0							12.0
12.5							12.5
13.0							13.0
13.5							13.5
14.0							14.0
14.5							14.5
15.0							15.0
15.5							15.5
16.0							16.0
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17.0							17.0
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18.0							18.0
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19.0							19.0
19.5							19.5
20.0							20.0
20.5							20.5
21.0							21.0
21.5							21.5
22.0							22.0
22.5							22.5
23.0							23.0
23.5							23.5
24.0							24.0
24.5							24.5
25.0							25.0

SOIL LOG

Project Name:	Clinton Moebus 34, LLC	Boring #:	SL-15
Client Project #:		E&LP Project #:	8144
Location:	Town of Clinton, Hunterdon County	Total Depth:	
Date Drilled:	2/17/2020	Static Groundwater Level:	
Drilling Contractor:		Ground Surface Elevation:	Not Surveyed
Drilling Method:		Sampling Equipment:	--
Drilling Equipment:		Casing Equipment:	--
Drilling Angle:		Logged by:	MP

Depth Below Surface (Feet)	Blow Count 6"-6"-6"-6"	Recovery (in)	Sample Interval	Sample ID#	Lithologic Description	Comments	Depth Below Surface (Feet)
0.0					9" Topsoil;	No mottling or evidence of groundwater	0.0
0.5							0.5
1.0							1.0
1.5					Loamy Sand; 10 YR 4/4; 20% Gravel, 40% Cobble, 20% Stone Subang Blocky; Dry; Loose	No mottling or evidence of groundwater	1.5
2.0							2.0
2.5							2.5
3.0							3.0
3.5							3.5
4.0							4.0
4.5							4.5
5.0							5.0
5.5							5.5
6.0							6.0
6.5							6.5
7.0							7.0
7.5							7.5
8.0							8.0
8.5							8.5
9.0							9.0
9.5							9.5
10.0							10.0
10.5							10.5
11.0							11.0
11.5							11.5
12.0							12.0
12.5							12.5
13.0							13.0
13.5							13.5
14.0							14.0
14.5							14.5
15.0							15.0
15.5							15.5
16.0							16.0
16.5							16.5
17.0							17.0
17.5							17.5
18.0							18.0
18.5							18.5
19.0							19.0
19.5							19.5
20.0							20.0
20.5							20.5
21.0							21.0
21.5							21.5
22.0							22.0
22.5							22.5
23.0							23.0
23.5							23.5
24.0							24.0
24.5							24.5
25.0							25.0

Engineering & Land Planning Associates

Project:	Moebus	Date:	2/20/2020
Location:	Clinton Township	Sample:	IN PLACE
Test By:	Annika Asplund		SL-2 @ A (4'-5')

				Disturbed	
L=	6.000	T1=	86400	Tube Weight	700
H1=	7.500	T2=		Gross Weight	1,705
H2=	6.000	T3=		Net Weight	1,005
r=	1.125	T4=			
R=	1.125	T5=		Sample Vol. (in^3)	23.844375
		T(sec.)=	86400	(cm^3)	390.8093063
		T(min.)=	1440.00		
				Bulk Density	2.571586664
					min. 1.2 gr/cm^3

Soil Permeability: 0.06

Soil Class: K0

Engineering & Land Planning Associates

Project:	Moebus	Date:	2/27/2020
Location:	Clinton Township	Sample:	IN PLACE
Test By:	Annika Asplund		SL-2 @ B (7'-7.5')

				Disturbed	
L=	6.000	T1=	82814	Tube Weight	700
H1=	7.500	T2=		Gross Weight	1,798
H2=	6.000	T3=		Net Weight	1,098
r=	1.125	T4=			
R=	1.125	T5=	82814	Sample Vol. (in^3)	23.844375
		T(sec.)=	82814	(cm^3)	390.8093063
		T(min.)=	1380.23		
				Bulk Density	2.809554385
					min. 1.2 gr/cm^3

Soil Permeability: 0.06

Soil Class: K0

Engineering & Land Planning Associates

Project:	Moebus	Date:	2/26/2020
Location:	Clinton Township	Sample:	IN PLACE
Test By:	Annika Asplund		SL-2 @ C (9'-9.5')

				Disturbed	
L=	6.000	T1=	635	Tube Weight	700
H1=	7.500	T2=	1339	Gross Weight	1,558
H2=	6.000	T3=	1389	Net Weight	858
r=	1.125	T4=	1722		
R=	1.125	T5=	1761	Sample Vol. (in^3)	23.844375
		T(sec.)=	1761	(cm^3)	390.8093063
		T(min.)=	29.35		
				Bulk Density	2.195444137
					min. 1.2 gr/cm^3

Soil Permeability: 2.74

Soil Class: K3

Engineering & Land Planning Associates

Project:	Moebus	Date:	2/26/2020
Location:	Clinton Township	Sample:	IN PLACE
Test By:	Annika Asplund		SL-3 @ A (4'-5.5')

				Disturbed	
L=	3.000	T1=	90000	Tube Weight	700
H1=	4.500	T2=		Gross Weight	1,787
H2=	3.000	T3=		Net Weight	1,087
r=	1.125	T4=			
R=	1.125	T5=	90000	Sample Vol. (in^3)	11.9221875
		T(sec.)=	90000	(cm^3)	195.4046531
		T(min.)=	1500.00		
				Bulk Density	5.56281533
					min. 1.2 gr/cm^3

Soil Permeability: 0.05

Soil Class: K0

Engineering & Land Planning Associates

Project:	Moebus	Date:	2/27/2020
Location:	Clinton Township	Sample:	IN PLACE
Test By:	Annika Asplund		SL-3 @ B (7'-7.5')

L=	6.000	T1=	5613
H1=	7.500	T2=	6170
H2=	6.000	T3=	5298
r=	1.125	T4=	5979
R=	1.125	T5=	5799
		T(sec.)=	5799
		T(min.)=	96.65

Soil Permeability: 0.83

Soil Class: K2

Disturbed	
Tube Weight	700
Gross Weight	1,171
Net Weight	471
Sample Vol. (in^3)	23.844375
(cm^3)	390.8093063
Bulk Density	1.205191362
	min. 1.2 gr/cm^3