

6035 Corporate Drive East Syracuse, New York 13057 (315) 701-0522 (315) 701-0526 (Fax)

www.cmeassociates.com

July 16, 2024

Ramboll 94 New Karner Road Albany, New York Phone: 315.420.8439

Attn: Andy Philips, Sr. Project Manager

Andy.Philips@Ramboll.com

Re: Geotechnical Data Report – Third Phase

Micron Campus Clay, New York

CME Report No. 28062B-04-0724

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1.0 INTRODUCTION

CME Associates, Inc. (CME) was retained by Ramboll (Client) to provide subsurface exploration and geotechnical services for the subject project. In Spring 2024, CME conducted a limited subsurface exploration at the subject project site as part of the third phase exploration program.

The Scope of Basic Services and this report have been provided pursuant to CME Proposal/Agreement No.: 05.7126, Addendum 3, dated 04/07/2023, authorized by Client via Ramboll PO# 1950006347, dated 04/14/2023, and subsequent CME Change Order No. 2, authorized via Ramboll PO# 1950007864, dated 03/25/2024. This report provides a summary of the third phase exploration activities conducted at the subject project site.

Please note, the first phase exploration at this site was conducted by CME in May/June 2023 and CME's deliverables consisted of the previously issued *Geotechnical Data Report - Revision 1*, labeled CME Report Number: 28062B-01-0523R1, dated 06/20/2023. The second phase exploration at this site was conducted by CME in September/October 2023 and CME's deliverables consisted of the previously issued *Geotechnical Data Report - Second Phase*, labeled CME Report Number: 28062B-03-1223, dated 12/08/2023.

2.0 EXPLORATION METHODOLOGY

2.1 Exploration Layout and Utility Clearance

The exploration locations were selected by the Client and staked by Thew Associates (Thew). Following the field stakeout, CME contacted UDig NY to clear public utilities at the exploration locations. Private utilities at the exploration locations were cleared by Thew. No utility conflicts were noted at the exploration locations.

The attached *Exploration Location Plans* depict the approximate locations of the third phase explorations. Elevation at grade at the exploration locations, along with Northing and Easting coordinates, was provided by Thew. Please see the attached *Elevation and Coordinates Tables* prepared using the survey data provided by Thew.

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2.2 Test Borings

A total of 134 Test Borings were completed by CME and a Subcontractor to CME. The Test Borings were advanced using either a Central Mine Equipment Model 550X, Model 55, or Model 45, ATV-mounted, rotary exploration drill rig, equipped with 3-1/4" I.D. hollow stem augers. Soil sampling was conducted using a 140-pound hammer dropping through 30 inches to drive a 2" O.D. split barrel sampler in general conformance with ASTM Standard Practice D1586. Rock coring was performed in general conformance with ASTM Standard Practice D2113. Undisturbed Shelby Tube sampling was conducted in general conformance with ASTM Standard Practice D1587. All Borings were backfilled with auger cuttings to nearly match existing grades.

Soil samples were logged and visually classified in the field by the Driller or an on-site Geologist, and a portion of each soil sample was placed and sealed in a glass jar. Bedrock cores were placed and secured in a wooden box. The soil and rock classifications were later reviewed by a CME Engineer in CME's East Syracuse AASHTO re:source¹ Accredited Laboratory. The visual soil classifications were made using a modified Burmister Classification System, as practiced by CME, and as generally described in the attached document entitled *General Information & Key to the Test Boring Logs*. The *Test Boring Logs* and *Bedrock Core Photographs* are also attached to this report.

2.3 Auger Probes

A total of 5 Auger Probes were completed by CME at explorations locations labeled B-522, B-524, B-525, B-527, and B-528. The Auger Probes were advanced to depths where auger refusal was encountered on probable bedrock. The Auger Probes were advanced using a Central Mine Equipment Model 550X, ATV-mounted, rotary exploration drill rig, equipped with 3-1/4" I.D. hollow stem augers. The *Auger Probe Logs* are attached to this report.

2.4 Groundwater Monitoring Wells

A total of 9 Groundwater Monitoring Wells, labeled W-10, W-11, W-12, W-13, W-14, W-16, W-17, W-18, and W-19, were installed in or near Test Borings B-505, B-522, B-546, B-557, B-564, B-604, B-618, B-676, and B-683, respectively. Please refer to the attached *Groundwater Monitoring Well Logs* for details of the well installation.

As part of the first phase exploration, 3 Groundwater Monitoring Wells, labeled W-1, W-2 and W-3, were installed in or near Test Borings B-129, B-24, and B-227, respectively. As part of the second phase exploration, 6 Groundwater Monitoring Wells, labeled W-4, W-5, W-6, W-7, W-8 and W-9, were installed in or near Test Borings B-337, B-391, B-370, B-400, B-420, and B-422, respectively.

Periodic monitoring of the groundwater level in the wells was performed by CME. Please refer to the attached *Groundwater Observation Summary Table* for groundwater levels observed, thus far.

2.5 Infiltration Testing

A total of 5 Infiltration Tests, labeled IT-TP301, IT-TP302, IT-TP305, IT-B565, and IT-B611, were performed. The tests were performed in general conformance with the requirements of the New York State Stormwater Management Design Manual, Appendix D: Infiltration Testing. The test details and results are given in the attached *Infiltration Test Reports*.

¹ **AASHTO re:source** – American Association of State Highway & Transportation Officials (AASHTO) Materials Reference Laboratory, a Federal Agency having jurisdiction to assess laboratory competency according to the Standards of the United States of America. CME East Syracuse accreditation includes testing of Portland Cement Concrete, Aggregate and Soil Materials. www.AASHTOresource.org.

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2.6 Test Pits

A total of 17 Test Pits were excavated using a Link Belt Model LNK 27 excavator, equipped with a 24-inch-wide general-purpose bucket. The Test Pits were excavated and backfilled by a Subcontractor to CME. The backfill consisted of excavated materials placed in 2 to 3 feet thick lifts, with each lift compacted using the excavator bucket. CME Engineer Astitwa Sharma, E.I.T. was on-site to observe the Test Pit excavation, take photographs, and prepare Test Pit Logs. The *Test Pit Logs* and *Test Pit Photographs* are attached to this report.

Soil samples were logged and visually classified in the field by Astitwa Sharma. The visual soil classifications were made using the modified Burmister Classification System.

In-situ Vane Shear Tests were performed at various depths in the Test Pits utilizing a Humbolt H-60 field testing apparatus. Pocket Penetrometer Testing was also performed in the Test Pits. Please refer to the attached *Vane Shear Test and Pocket Penetrometer Test Summary Tables* for test results.

2.7 Field Soil Resistivity Testing

Field soil resistivity testing at a total of 24 survey points identified on the attached *Exploration Location Plans* were completed by CME. CME utilized a Miller 400D Digital Soil Resistivity Meter to conduct soil resistivity testing. At each point the line of probes were oriented to avoid trees and to minimize grade elevation change. All lines were surveyed in areas free of standing water or mud. The soil resistivity tests were performed in general conformance with ASTM G57 Standard Test Method for Measurement of Soil Resistivity using the Wenner Four – Electrode Method. Probe spacings of 4 feet to 20 feet were used along all survey lines. Probe depths were approximately 2.5 inches.

Field soil resistivity data and calculated Resistivity (Ω •cm) are provided in the attached *Field Soil Resistivity Observations Summary Table*. Please see attached *Field Soil Resistivity Photographs* for groundcover conditions at the time of survey.

2.8 Laboratory Testing

Laboratory testing was performed on selected soil samples, consisting of Natural Moisture Content, Atterberg Limits, Particle Size Analysis, One-Dimensional Consolidation, Unconfined Compressive Strength of Cohesive Soil, Moisture-Density Relationship (Proctor Compaction), Rock Core Compression, and California Bearing Ratio (CBR), in CME's East Syracuse Laboratory. Please refer to the attached *Laboratory Test Summary Report* for test methods and results.

3.0 STANDARD OF CARE

CME endeavored to conduct services identified herein in a manner consistent with that level of care and skill ordinarily exercised by members of the industry currently practicing in the same locality and under similar conditions as this project. No warranty, either expressed or implied, is made or intended by CME's proposal, contract, and written or oral reports, all of which warranties are hereby expressly disclaimed. CME shall not be responsible for the acts or omissions of the Client, its contractors, agents, and consultants. CME may rely upon information supplied by Client, its contractors, agents, and consultants or information available from generally accepted reputable sources, without independent verification, and CME assumes no responsibility for the accuracy thereof.

4.0 CLOSING

CME's services have been provided according to the requirements of the referenced CME Proposal/Agreement. No other representations, expressed or implied, are intended or made with respect to the information provided herein, including but not limited to, its suitability for use by others.

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Respectfully Submitted,

CME Associates, Inc.

Anas N. Anasthas, P.E.

Senior Geotechnical Engineer

Reviewed by:

CME Associates, Inc.

Marcus A. Rotundo, P.E. Senior Principal Engineer

Attachment Listing:

Exploration Location Plans (3 of 3)

Coordinates and Elevations Tables (4 of 4)

Laboratory Test Summary Report (33 of 33)

Infiltration Test Reports (5 of 5)

Test Pit Logs (17 of 17)

Test Pit Photographs (17 of 17)

Vane Shear Test and Pocket Penetrometer Test Summary Tables (2 of 2)

Field Soil Resistivity Observations Summary Table (1 of 1)

Field Soil Resistivity Photographs (12 of 12)

Groundwater Observation Summary Table (1 of 1)

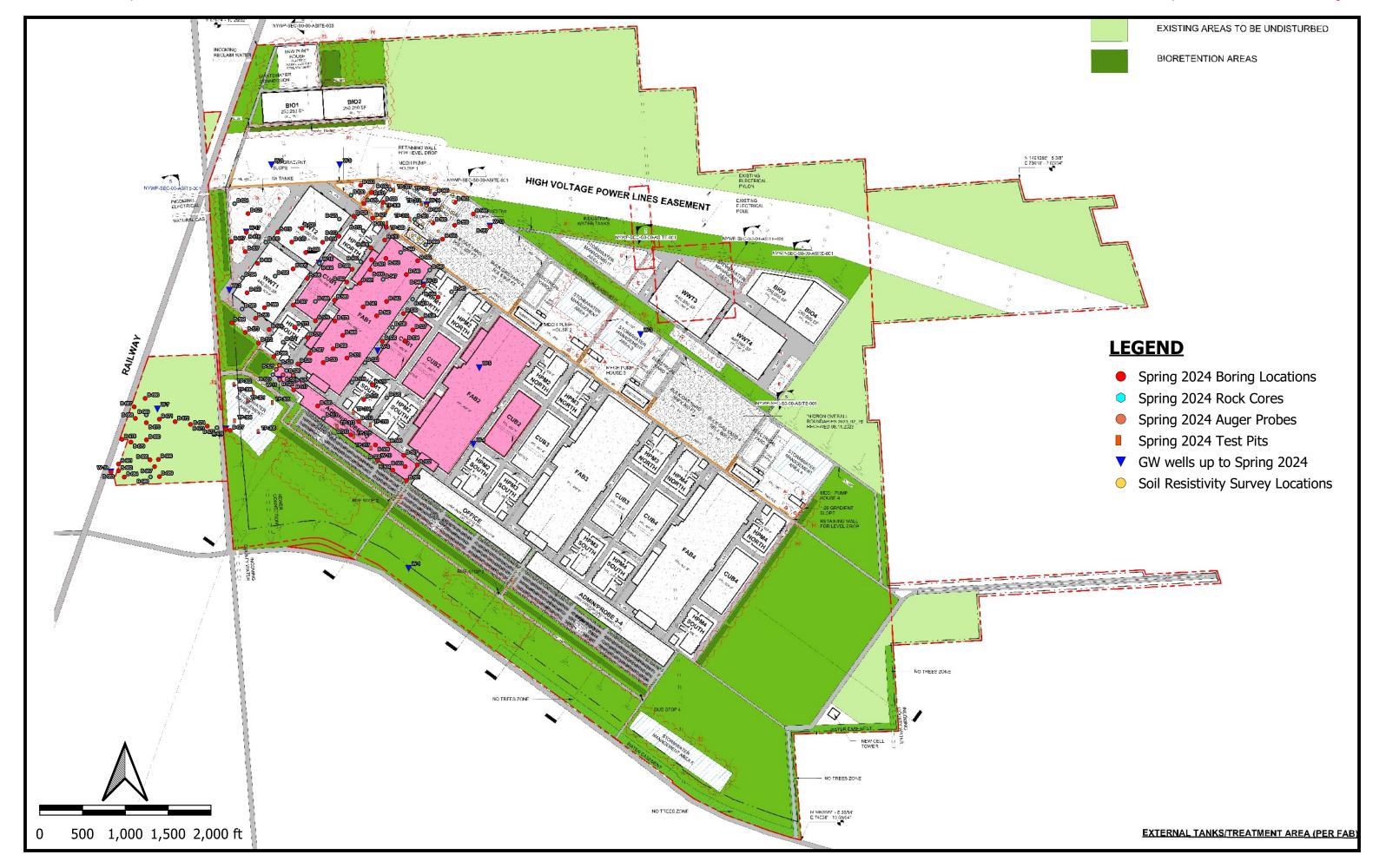
Groundwater Monitoring Well Logs (9 of 9)

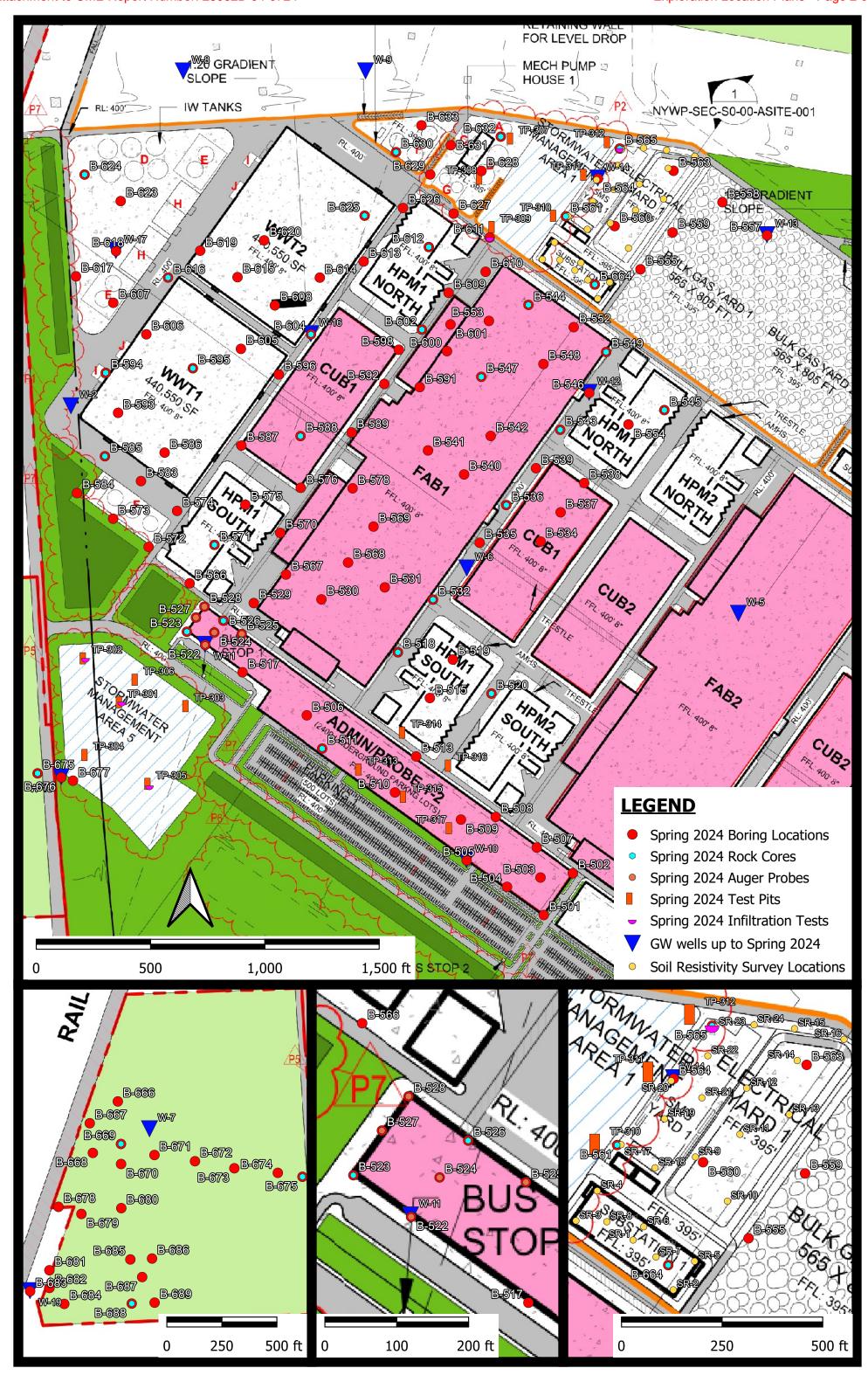
Bedrock Core Photographs (62 of 62)

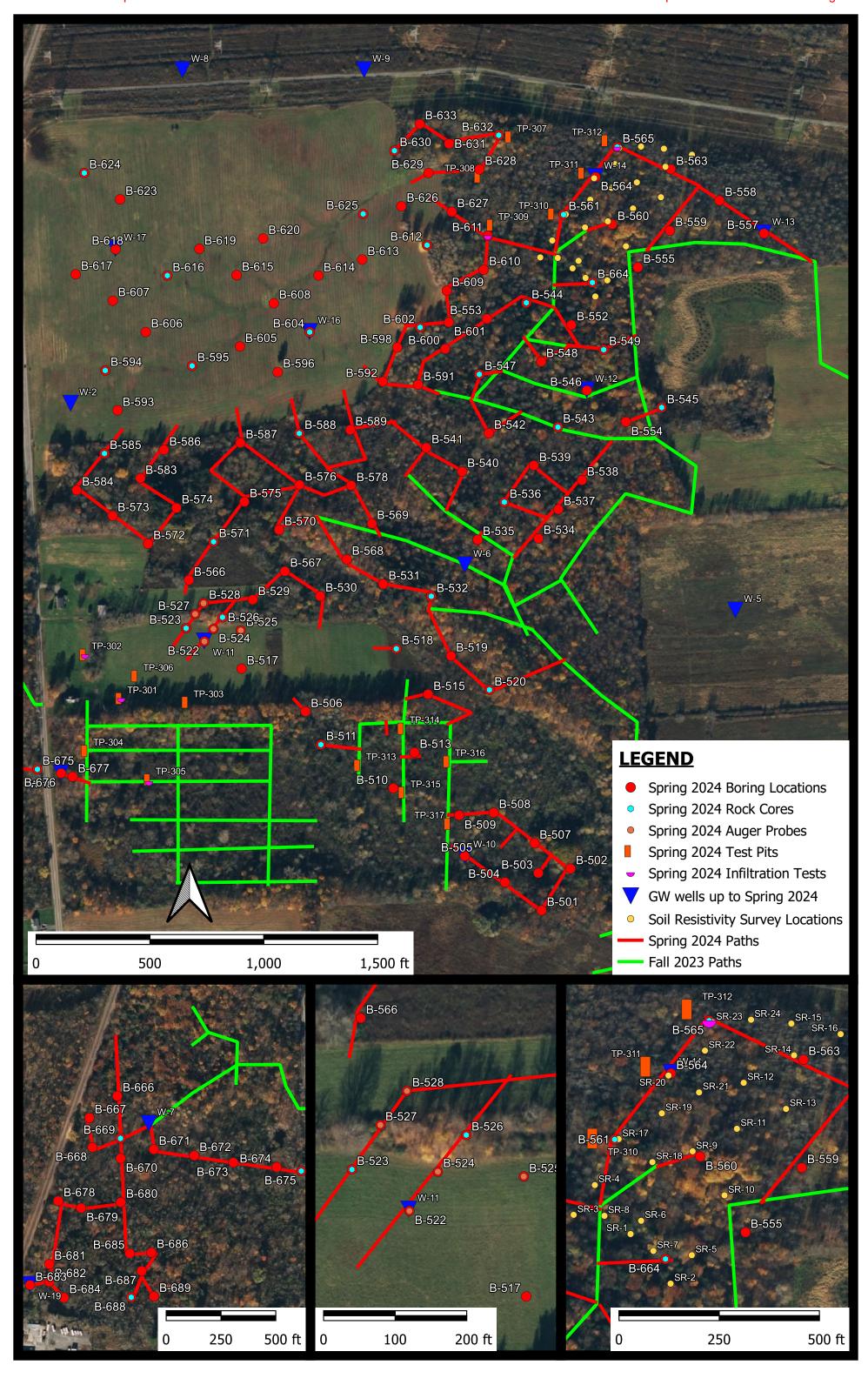
Auger Probe Logs (5 of 5)

Test Boring Logs (201 of 201)

General Information & Key to Test Boring Logs (4 of 4)







COORDINATES AND ELEVATION TABLE						PAGE 1 of 4
Exploration ID	Latitude	Longitude	Northing (ft)	Easting (ft)	Elevation (ft)	Exploration Phase and Type
B-501	43.18771	-76.15857	1161775.3	933487.8	405.5	Test Boring - Third Phase
B-502	43.18821	-76.15809	1161958.1	933616.8	400.4	Test Boring - Third Phase
B-503	43.18816	-76.15862	1161938.5	933473.1	400.8	Test Boring - Third Phase
B-504	43.18805	-76.15917	1161896.9	933326.7	404.4	Test Boring - Third Phase
B-505	43.18837	-76.15983	1162015.7	933151.5	406.1	Test Boring - Third Phase
B-506	43.19012	-76.16244	1162648.3	932451.8	399.6	Test Boring - Third Phase
B-507	43.18852	-76.15868	1162069.8	933458.7	403.8	Test Boring - Third Phase
B-508	43.18889	-76.15935	1162206.0	933279.3	404.7	Test Boring - Third Phase
B-509	43.18886	-76.15992	1162194.4	933126.8	404.7	Test Boring - Third Phase
B-510	43.18919	-76.16100	1162313.0	932838.6	405.2	Test Boring - Third Phase
B-511	43.18972	-76.16219	1162503.9	932519.2	400.6	Test Boring - Third Phase
B-513	43.18962	-76.16065	1162467.2	932929.6	402.3	Test Boring - Third Phase
B-515	43.19032	-76.16042	1162726.0	932989.4	395.4	Test Boring - Third Phase
B-517	43.19064	-76.16349	1162838.3	932170.9	395.2	Test Boring - Third Phase
B-518	43.19087	-76.16094	1162925.1	932849.7	393.4	Test Boring - Third Phase
B-519	43.19078	-76.16004	1162890.7	933091.6	394.9	Test Boring - Third Phase
B-520	43.19037	-76.15941	1162744.3	933259.3	395.7	Test Boring - Third Phase
B-522	43.19097	-76.16410	1162955.1	932008.4	393.7	Auger Probe - Third Phase
B-522A	43.19097	-76.16410	1162955.1	932008.4	393.7	Test Boring - Third Phase
B-523	43.19113	-76.16440	1163013.4	931927.2	393.5	Test Boring - Third Phase
B-524	43.19112	-76.16395	1163009.4	932047.5	394.5	Auger Probe - Third Phase
B-525	43.19110	-76.16350	1163005.4	932167.8	396.4	Auger Probe - Third Phase
B-526	43.19126	-76.16380	1163064.0	932086.7	396.9	Test Boring - Third Phase
B-527	43.19130	-76.16425	1163074.8	931968.2	394.4	Auger Probe - Third Phase
B-528	43.19143	-76.16411	1163122.2	932005.3	395.8	Auger Probe - Third Phase
B-529	43.19147	-76.16330	1163140.7	932221.4	395.6	Test Boring - Third Phase
B-530	43.19151	-76.16219	1163155.0	932516.5	391.4	Test Boring - Third Phase
B-531	43.19165	-76.16115	1163209.8	932792.7	401.7	Test Boring - Third Phase
B-532	43.19150	-76.16036	1163155.6	933004.0	396.5	Test Boring - Third Phase
B-534	43.19219	-76.15859	1163409.5	933474.5	390.4	Test Boring - Third Phase
B-535	43.19218	-76.15959	1163403.2	933207.0	390.3	Test Boring - Third Phase
B-536	43.19263	-76.15915	1163568.5	933325.1	387.2	Test Boring - Third Phase
B-537	43.19254	-76.15826	1163537.6	933563.3	392.5	Test Boring - Third Phase
B-538	43.19289	-76.15787	1163664.1	933665.6	388.1	Test Boring - Third Phase
B-539	43.19307	-76.15866	1163729.4	933455.8	387.5	Test Boring - Third Phase
B-540	43.19300	-76.15984	1163700.5	933140.5	389.7	Test Boring - Third Phase
B-541	43.19329	-76.16043	1163805.2	932983.2	385.3	Test Boring - Third Phase
B-542	43.19346	-76.15940	1163871.4	933256.4	384.7	Test Boring - Third Phase
B-543	43.19353	-76.15826	1163898.7	933559.3	392.1	Test Boring - Third Phase
B-544	43.19503	-76.15877	1164442.3	933421.2	381.6	Test Boring - Third Phase
B-545	43.19376	-76.15655	1163982.3	934014.8	392.6	Test Boring - Third Phase
B-546	43.19397	-76.15778	1164057.2	933686.8	394.5	Test Boring - Third Phase
B-547	43.19417	-76.15955	1164126.9	933214.9	389.0	Test Boring - Third Phase
B-548	43.19432	-76.15853	1164183.7	933487.2	393.4	Test Boring - Third Phase

COORDINATES AND ELEVATION TABLE						PAGE 2 of 4
Exploration ID	Latitude	Longitude	Northing (ft)	Easting (ft)	Elevation (ft)	Exploration Phase and Type
B-549	43.19446	-76.15750	1164237.3	933761.9	391.3	Test Boring - Third Phase
B-552	43.19476	-76.15803	1164345.9	933620.5	390.3	Test Boring - Third Phase
B-553	43.19484	-76.15942	1164372.0	933247.7	383.2	Test Boring - Third Phase
B-554	43.19359	-76.15714	1163918.8	933858.4	393.8	Test Boring - Third Phase
B-555	43.19545	-76.15693	1164597.7	933911.6	386.4	Test Boring - Third Phase
B-557	43.19585	-76.15485	1164746.0	934464.4	382.0	Test Boring - Third Phase
B-558	43.19625	-76.15558	1164893.2	934270.2	382.0	Test Boring - Third Phase
B-559	43.19589	-76.15640	1164761.2	934051.7	385.4	Test Boring - Third Phase
B-560	43.19597	-76.15735	1164787.4	933797.2	388.0	Test Boring - Third Phase
B-561	43.19609	-76.15815	1164828.6	933584.7	383.5	Test Boring - Third Phase
B-563	43.19663	-76.15638	1165028.5	934056.6	381.1	Test Boring - Third Phase
B-564	43.19654	-76.15762	1164993.5	933725.9	380.8	Test Boring - Third Phase
B-565	43.19690	-76.15726	1165127.2	933822.0	381.2	Test Boring - Third Phase
B-566	43.19171	-76.16435	1163224.1	931938.8	392.2	Test Boring - Third Phase
B-567	43.19181	-76.16277	1163265.9	932362.0	389.1	Test Boring - Third Phase
B-568	43.19195	-76.16175	1163317.7	932633.2	395.8	Test Boring - Third Phase
B-569	43.19238	-76.16133	1163474.0	932744.3	389.6	Test Boring - Third Phase
B-570	43.19231	-76.16286	1163446.3	932336.4	387.4	Test Boring - Third Phase
B-571	43.19217	-76.16394	1163393.0	932048.7	391.3	Test Boring - Third Phase
B-572	43.19215	-76.16502	1163386.7	931760.4	390.3	Test Boring - Third Phase
B-573	43.19249	-76.16560	1163507.0	931604.3	393.5	Test Boring - Third Phase
B-574	43.19258	-76.16455	1163542.6	931885.6	389.1	Test Boring - Third Phase
B-575	43.19265	-76.16343	1163568.2	932182.2	385.8	Test Boring - Third Phase
B-576	43.19285	-76.16252	1163642.4	932425.9	385.4	Test Boring - Third Phase
B-578	43.19284	-76.16167	1163639.3	932652.2	383.4	Test Boring - Third Phase
B-583	43.19294	-76.16514	1163673.5	931726.6	388.7	Test Boring - Third Phase
B-584	43.19280	-76.16619	1163618.7	931446.3	393.5	Test Boring - Third Phase
B-585	43.19324	-76.16573	1163782.7	931569.0	394.1	Test Boring - Third Phase
B-586	43.19328	-76.16475	1163797.8	931830.8	388.7	Test Boring - Third Phase
B-587	43.19336	-76.16349	1163828.5	932167.0	385.0	Test Boring - Third Phase
B-588	43.19347	-76.16252	1163869.3	932424.4	384.4	Test Boring - Third Phase
B-589	43.19351	-76.16168	1163885.2	932649.7	383.8	Test Boring - Third Phase
B-591	43.19405	-76.16056	1164083.0	932946.8	384.1	Test Boring - Third Phase
B-592	43.19409	-76.16114	1164098.0	932790.2	383.0	Test Boring - Third Phase
B-593	43.19376	-76.16551	1163971.4	931626.7	392.4	Test Boring - Third Phase
B-594	43.19424	-76.16571	1164147.1	931572.9	392.9	Test Boring - Third Phase
B-595	43.19429	-76.16428	1164167.8	931952.6	390.4	Test Boring - Third Phase
B-596	43.19421	-76.16287	1164137.2	932329.8	391.7	Test Boring - Third Phase
B-598	43.19450	-76.16090	1164246.1	932855.7	383.5	Test Boring - Third Phase
B-600	43.19448	-76.16011	1164242.5	933066.4	383.4	Test Boring - Third Phase
B-601	43.19480	-76.16005	1164357.5	933081.6	383.1	Test Boring - Third Phase
B-602	43.19474	-76.16052	1164335.8	932955.8	384.9	Test Boring - Third Phase
B-604	43.19469	-76.16234	1164315.1	932470.9	391.4	Test Boring - Third Phase
B-605	43.19452	-76.16349	1164252.1	932163.4	390.2	Test Boring - Third Phase

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Exploration ID	Latitude	Longitude	Northing (ft)	Easting (ft)	Elevation (ft)	Exploration Phase and Type
B-606	43.19470	-76.16504	1164315.8	931751.1	393.2	Test Boring - Third Phase
B-607	43.19508	-76.16558	1164451.2	931604.9	393.9	Test Boring - Third Phase
B-608	43.19504	-76.16293	1164439.5	932311.9	387.7	Test Boring - Third Phase
B-609	43.19518	-76.16008	1164497.5	933071.8	391.7	Test Boring - Third Phase
B-610	43.19543	-76.15947	1164587.0	933235.5	382.7	Test Boring - Third Phase
B-611	43.19584	-76.15940	1164737.5	933253.3	380.6	Test Boring - Third Phase
B-612	43.19573	-76.16040	1164696.8	932986.3	391.6	Test Boring - Third Phase
B-613	43.19556	-76.16147	1164632.9	932700.0	390.0	Test Boring - Third Phase
B-614	43.19537	-76.16219	1164563.4	932508.9	386.2	Test Boring - Third Phase
B-615	43.19538	-76.16354	1164564.3	932148.3	391.8	Test Boring - Third Phase
B-616	43.19538	-76.16468	1164561.8	931845.2	392.5	Test Boring - Third Phase
B-617	43.19540	-76.16619	1164566.8	931441.5	393.0	Test Boring - Third Phase
B-618	43.19570	-76.16553	1164679.1	931617.1	392.7	Test Boring - Third Phase
B-619	43.19570	-76.16415	1164679.8	931985.0	392.3	Test Boring - Third Phase
B-620	43.19582	-76.16310	1164725.5	932265.3	391.3	Test Boring - Third Phase
B-623	43.19630	-76.16545	1164897.8	931638.4	392.1	Test Boring - Third Phase
B-624	43.19662	-76.16604	1165013.5	931480.7	389.8	Test Boring - Third Phase
B-625	43.19611	-76.16145	1164832.5	932705.8	385.8	Test Boring - Third Phase
B-626	43.19620	-76.16082	1164866.3	932873.8	385.4	Test Boring - Third Phase
B-627	43.19613	-76.15999	1164844.0	933093.2	383.0	Test Boring - Third Phase
B-628	43.19664	-76.15953	1165029.4	933217.0	381.4	Test Boring - Third Phase
B-629	43.19660	-76.16037	1165011.9	932991.2	383.3	Test Boring - Third Phase
B-630	43.19687	-76.16093	1165109.7	932843.2	381.7	Test Boring - Third Phase
B-631	43.19695	-76.16003	1165140.0	933080.9	384.5	Test Boring - Third Phase
B-632	43.19705	-76.15921	1165179.3	933300.1	383.8	Test Boring - Third Phase
B-633	43.19719	-76.16051	1165229.6	932953.9	380.9	Test Boring - Third Phase
B-664	43.19527	-76.15768	1164533.4	933711.1	389.8	Test Boring - Third Phase
B-666	43.19039	-76.17000	1162738.1	930435.9	399.1	Test Boring - Third Phase
B-667	43.19012	-76.17048	1162638.2	930307.9	399.4	Test Boring - Third Phase
B-668	43.18975	-76.17043	1162504.6	930320.9	399.5	Test Boring - Third Phase
B-669	43.18986	-76.16995	1162543.3	930449.2	399.9	Test Boring - Third Phase
B-670	43.18961	-76.16995	1162452.2	930450.4	400.0	Test Boring - Third Phase
B-671	43.18972	-76.16938	1162493.4	930601.6	400.3	Test Boring - Third Phase
B-672	43.18964	-76.16869	1162465.2	930787.1	400.4	Test Boring - Third Phase
B-673	43.18955	-76.16802	1162433.3	930964.3	400.7	Test Boring - Third Phase
B-674	43.18949	-76.16728	1162411.8	931161.5	401.4	Test Boring - Third Phase
B-675	43.18944	-76.16686	1162396.2	931275.0	403.9	Test Boring - Third Phase
B-676	43.18939	-76.16647	1162377.2	931378.8	404.3	Test Boring - Third Phase
B-677	43.18935	-76.16628	1162362.7	931429.5	403.8	Test Boring - Third Phase
B-678	43.18908	-76.17102	1162257.1	930166.7	398.4	Test Boring - Third Phase
B-679	43.18899	-76.17063	1162224.9	930270.0	395.9	Test Boring - Third Phase
B-680	43.18906	-76.16995	1162253.8	930451.2	399.5	Test Boring - Third Phase
B-681	43.18829	-76.17118	1161971.8	930123.6	395.6	Test Boring - Third Phase
B-682	43.18807	-76.17118	1161890.8	930126.1	393.3	Test Boring - Third Phase

COORDINATES AND ELEVATION TABLE						PAGE 4 of 4
Exploration ID	Latitude	Longitude	Northing (ft)	Easting (ft)	Elevation (ft)	Exploration Phase and Type
B-683	43.18803	-76.17151	1161873.3	930035.9	394.8	Test Boring - Third Phase
B-684	43.18787	-76.17093	1161817.9	930193.0	394.0	Test Boring - Third Phase
B-685	43.18842	-76.16980	1162019.1	930492.6	397.0	Test Boring - Third Phase
B-686	43.18843	-76.16943	1162021.8	930592.2	397.5	Test Boring - Third Phase
B-687	43.18820	-76.16960	1161940.2	930546.1	398.1	Test Boring - Third Phase
B-688	43.18787	-76.16978	1161819.9	930498.5	394.8	Test Boring - Third Phase
B-689	43.18788	-76.16939	1161822.8	930601.6	395.2	Test Boring - Third Phase
TP-301	43.19028	-76.16547	1162703.8	931642.8	403.1	Test Pit - Third Phase
TP-302	43.19081	-76.16606	1162895.3	931484.6	398.9	Test Pit - Third Phase
TP-303	43.19023	-76.16438	1162685.4	931933.3	400.2	Test Pit - Third Phase
TP-304	43.18965	-76.16604	1162471.8	931492.7	404.4	Test Pit - Third Phase
TP-305	43.18930	-76.16501	1162346.0	931768.3	404.0	Test Pit - Third Phase
TP-306	43.19055	-76.16521	1162800.3	931713.5	399.0	Test Pit - Third Phase
TP-307	43.19702	-76.15901	1165167.7	933354.1	382.4	Test Pit - Third Phase
TP-308	43.19654	-76.15952	1164991.0	933217.9	381.0	Test Pit - Third Phase
TP-309	43.19596	-76.15932	1164782.3	933274.4	380.6	Test Pit - Third Phase
TP-310	43.19609	-76.15831	1164828.8	933543.0	383.1	Test Pit - Third Phase
TP-311	43.19658	-76.15781	1165009.8	933676.1	380.5	Test Pit - Third Phase
TP-312	43.19697	-76.15742	1165151.1	933776.8	380.5	Test Pit - Third Phase
TP-313	43.18946	-76.16155	1162410.5	932690.4	403.6	Test Pit - Third Phase
TP-314	43.18990	-76.16083	1162571.2	932880.5	401.6	Test Pit - Third Phase
TP-315	43.18913	-76.16082	1162288.5	932885.0	405.1	Test Pit - Third Phase
TP-316	43.18950	-76.16008	1162426.2	933083.3	403.3	Test Pit - Third Phase
TP-317	43.18875	-76.16007	1162152.5	933085.3	405.4	Test Pit - Third Phase



6035 Corporate Drive East Syracuse, New York 13057 (315) 701-0522 (315) 701-0526 (Fax)

www.cmeassociates.com

LABORATORY TEST SUMMARY Micron Campus CME Report No.: 28062L-04-0724

ME Report No.: 28062L-04-July 9, 2024 Page 1 of 26

CME Representatives obtained soil and rock samples from Test Borings and Test Pits advanced as part of the Subsurface Exploration Program conducted for the subject project. Selected samples were delivered to CME's East Syracuse facility, an AASHTO re:source¹ accredited laboratory for various laboratory testing. The results are presented below:

Sample ID Notations: B - Test Boring, S - Sample, TP - Test Pit, R - Run

I. Natural Moisture Content (ASTM D2216)

Sample ID	Natural Moisture (%)	Sample ID	Natural Moisture (%)
B-517; S-2	17.9	B-560; S-4	25.3
B-531; S-2	14.9	B-560; S-5	13.4
B-532; S-4	24.0	B-560; S-6	9.7
B-534; S-1B	41.0	B-560; S-7	6.9
B-534; S-2	27.1	B-561; S-3	28.1
B-534; S-3	22.5	B-561; S-5	23.6
B-534; S-4	20.0	B-563; S-2	25.3
B-534; S-5	24.7	B-563; S-6	24.4
B-534; S-6	18.5	B-565; S-3	22.7
B-534; S-7	13.3	B-565; S-5	25.1
B-534; S-8	10.5	B-569; S-1B	20.9
B-538; S-6	23.2	B-569; S-2	23.7
B-538; S-7	19.1	B-569; S-3	21.8
B-542; S-4	20.9	B-569; S-4	11.1
B-545; S-5	26.5	B-569; S-5	9.2
B-548; S-4	25.2	B-569; S-6	8.7
B-548; S-5	23.6	B-583; S-1B	22.5
B-557; S-4	26.7	B-583; S-2	8.7
B-557; S-5	25.7	B-583; S-3	15.7
B-558; S-3	24.5	B-583; S-4	17.5
B-560; S-1B	41.7	B-587; S-4	23.0
B-560; S-2	22.2	B-592; S-5	20.5
B-560; S-3	24.0	B-602; S-4	22.5

¹**AASHTO re:source** – American Association of State Highway & Transportation Officials (AASHTO) Materials Reference Laboratory, a Federal Agency having jurisdiction to assess laboratory competency according to the Standards of the United States of America. CME East Syracuse accreditation includes testing of Portland Cement Concrete, Aggregate and Soil Materials. www.AASHTOresource.org.

Laboratory Test Summary CME Report No.: 28062L-04-0724 Page 2 of 26



Sample ID	Natural Moisture (%)	Sample ID	Natural Moisture (%)
B-602; S-6	20.9	B-624; S-3	21.9
B-609; S-5	21.6	B-624; S-4	21.8
B-613; S-1	22.9	B-624; S-5	19.6
B-613; S-2	22.6	B-624; S-6	24.2
B-613; S-3	22.8	B-624; S-7	25.2
B-613; S-4	24.5	B-624; S-8A	18.3
B-613; S-5	21.8	B-624; S-8B	17.3
B-613; S-6	23.8	B-626; S-5	23.8
B-613; S-7	11.0	B-632; S-1B	25.0
B-613; S-8A	28.0	B-632; S-2	23.9
B-613; S-8B	21.2	B-632; S-3	20.3
B-618; S-1B	31.8	B-632; S-4	11.2
B-618; S-2	25.9	B-632; S-5	22.6
B-618; S-3	28.6	B-632; S-6	24.7
B-618; S-4	22.6	B-671; S-2	25.9
B-618; S-5	21.0	B-680; S-1B	22.7
B-618; S-6	24.5	B-680; S-2	23.5
B-618; S-7A	22.3	B-680; S-3	22.4
B-618; S-7B	18.9	B-680; S-4	20.9
B-618; S-8	21.3	B-680; S-5	20.4
B-618; S-9	8.0	B-680; S-6	8.3
B-620; S-6	22.2	B-683; S-7	8.8
B-624; S-2	25.9		

Laboratory Test Summary CME Report No.: 28062L-04-0724 Page 3 of 26





Sample ID	Liquid Limit	Plastic Limit	Plasticity Index	Natural Moisture	
B-534; S-2	25	20	5	27.1	
B-545; S-5	20	17	3	26.5	
B-561; S-3	30	18	12	28.1	
B-563; S-2	29	17	12	25.3	
B-618; S-7B	20	14	6	18.9	
B-624; S-7	22	13	9	25.2	
B-624; S-8A	17	12	5	18.3	
B-517; S-2		Non-Plastic		17.9	
B-532; S-4		Non-Plastic		24	
B-534; S-4		Non-Plastic		20	
B-534; S-6		Non-Plastic		18.5	
B-538; S-6		Non-Plastic		23.2	
B-538; S-7		Non-Plastic		19.1	
B-542; S-4		Non-Plastic		20.9	
B-548; S-4		Non-Plastic		25.2	
B-548; S-5		Non-Plastic		23.6	
B-557; S-4		Non-Plastic		26.7	
B-557; S-5		Non-Plastic		25.7	
B-561; S-5		Non-Plastic		23.6	
B-563; S-6		Non-Plastic		24.4	
B-565; S-5		Non-Plastic			
B-569; S-2	Non-Plastic			23.7	
B-587; S-4	Non-Plastic			23	
B-592; S-5		Non-Plastic			
B-602; S-4		22.5			
B-602; S-6		Non-Plastic		20.9	
B-613; S-4		Non-Plastic		24.5	
B-613; S-5		Non-Plastic		21.8	
B-613; S-6		Non-Plastic		23.8	
B-618; S-2		Non-Plastic		25.9	
B-618; S-5		Non-Plastic		21	
B-618; S-8	Non-Plastic			21.3	
B-620; S-6	Non-Plastic			22.2	
B-624; S-5	Non-Plastic			19.6	
B-624; S-6	Non-Plastic			24.2	
B-626; S-5	Non-Plastic			23.8	
B-632; S-4	Non-Plastic			11.2	
B-632; S-5	Non-Plastic			22.6	
B-632; S-6	Non-Plastic			24.7	
B-671; S-2		Non-Plastic		25.9	

Laboratory Test Summary

CME Report No.: 28062L-04-0724

0.425

0.180

0.150

0.075

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III. Particle Size Analysis (ASTM D422)

96

73

60

32

<u>Sample #</u> B-531; S-2

No.40

No.80

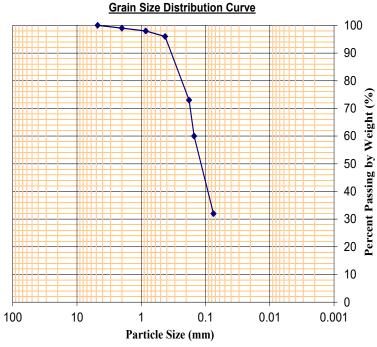
No.100

No.200



<u>Classification</u> Brown/Orange cmf SAND, some SILT

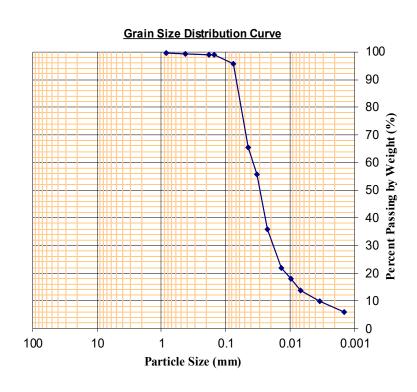
Percent Sieve Size Passing by Weight (%) Designation (mm) No.4 4.750 100 No.10 2.00 99 No.20 0.850 98



<u>Sample #</u> B-538; S-7

<u>Classification</u>
Grey SILT, little CLAY, trace fine SAND

Sieve <u>Designation</u>	Size (mm)	Percent Passing by Weight (%)
No.20 No.40	0.850	100 99
No.80	0.180	99
No.100	0.150	99
No.200	0.075	96
Hydrometer	0.045	65
	0.033	56
	0.022	36
	0.013	22
	0.010	18
	0.007	14
	0.003	10
	0.001	6.0



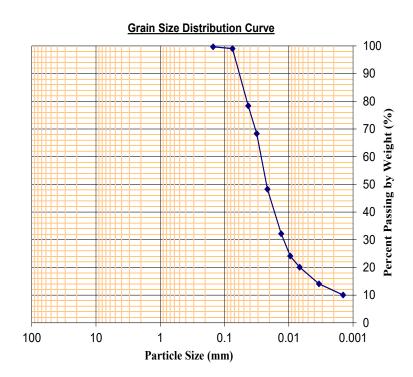
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<u>Sample #</u> B-558; S-3

		Percent
Sieve	Size	Passing by
Designation	(mm)	Weight (%)
No.100	0.150	100
No.200	0.075	99
Hydrometer	0.043	78
	0.031	68
	0.021	48
	0.013	32
	0.009	24
	0.007	20
	0.003	14
	0.001	10

<u>Classification</u> Brown SILT, little CLAY, trace fine SAND

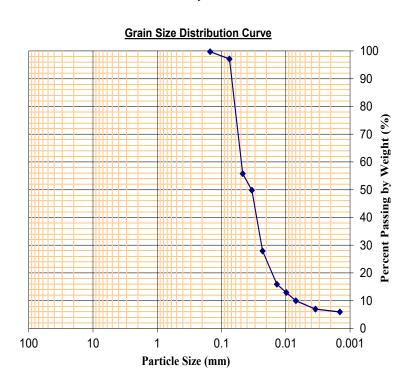


<u>Sample #</u> B-565; S-5

	-	
		Percent
Sieve	Size	Passing by
Designation	(mm)	Weight (%)
No.100	0.150	100
No.200	0.075	97
Hydrometer	0.047	56
	0.034	50
	0.023	28
	0.014	16
	0.010	13
	0.007	10
	0.003	7.0
	0.001	6.0

Classification

Brown/Grey SILT, trace CLAY, trace fine SAND

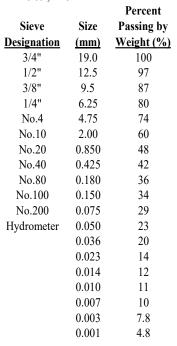


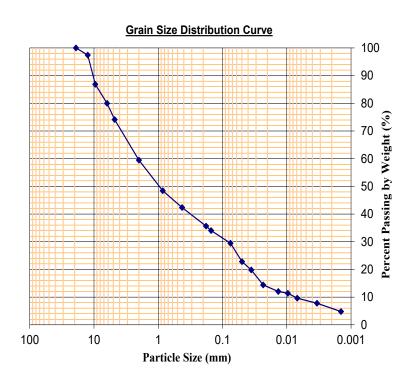
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<u>Sample #</u> B-569; S-5

<u>Classification</u>
Grey/Black cmf SAND, some mf GRAVEL, some SILT, trace CLAY

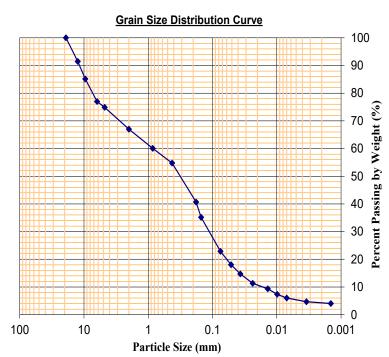




<u>Sample #</u> B-609; S-5

	<u>Classification</u>	
Brown cmf SAND, some	mf GRAVEL,	little SILT, trace CLAY

,		Percent
Sieve	Size	Passing by
Designation	<u>(mm)</u>	Weight (%)
3/4"	19.0	100
1/2"	12.5	92
3/8"	9.5	85
1/4"	6.25	77
No.4	4.75	75
No.10	2.00	67
No.20	0.850	60
No.40	0.425	55
No.80	0.180	41
No.100	0.150	35
No.200	0.075	23
Hydrometer	0.051	18
	0.037	15
	0.024	11
	0.014	9.3
	0.010	7.3
	0.007	6.0
	0.003	4.7
	0.001	4.0



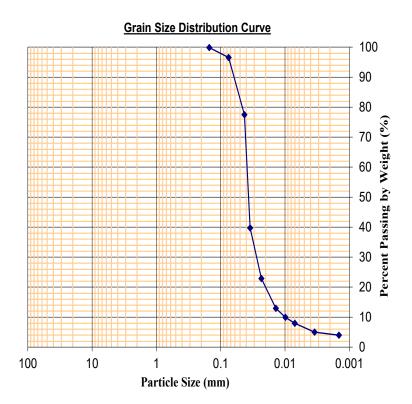
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<u>Sample #</u> B-624; S-6

Sieve	Size	Percent Passing by
Designation	(mm)	Weight (%)
No.100	0.150	100
No.200	0.075	97
Hydrometer	0.043	78
	0.035	40
	0.023	23
	0.014	13
	0.010	10
	0.007	7.9
	0.003	5.0
	0.001	4.0

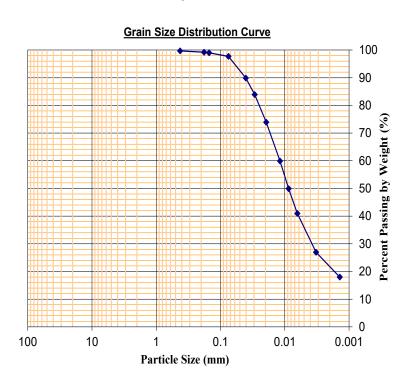
<u>Classification</u>
Grey SILT, trace CLAY, trace fine SAND



<u>Sample #</u> B-624; S-7

		Percent
Sieve	Size	Passing by
Designation	(mm)	Weight (%)
No.40	0.425	100
No.80	0.180	99
No.100	0.150	99
No.200	0.075	98
Hydrometer	0.040	90
	0.029	84
	0.019	74
	0.012	60
	0.009	50
	0.006	41
	0.003	27
	0.001	18

<u>Classification</u>
Grey SILT and CLAY, trace fine SAND



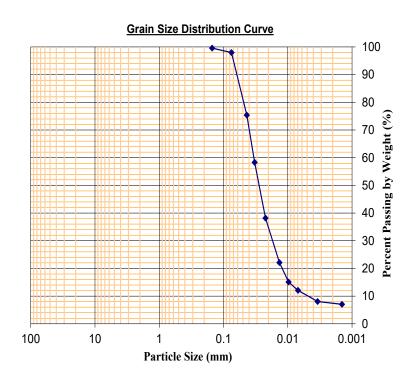
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<u>Sample #</u> B-632; S-6

		Percent
Sieve	Size	Passing by
Designation	(mm)	Weight (%)
No.100	0.150	100
No.200	0.075	98
Hydrometer	0.043	75
	0.033	58
	0.022	38
	0.013	22
	0.010	15
	0.007	12
	0.003	8.0
	0.001	7.0

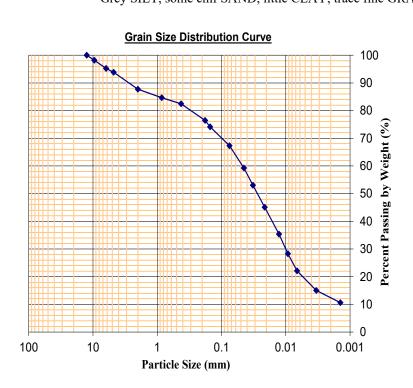
<u>Classification</u> Brown/Grey SILT, little CLAY, trace fine SAND



Sample # B-683; S-7

,		Percent
Sieve	Size	Passing by
Designation	<u>(mm)</u>	Weight (%)
1/2"	12.5	100
3/8"	9.5	98
1/4"	6.25	95
No.4	4.75	94
No.10	2.00	88
No.20	0.850	85
No.40	0.425	82
No.80	0.180	76
No.100	0.150	74
No.200	0.075	67
Hydrometer	0.045	59
	0.032	53
	0.021	45
	0.013	35
	0.009	28
	0.007	22
	0.003	15
	0.001	11

<u>Classification</u>
Grey SILT, some cmf SAND, little CLAY, trace fine GRAVEL



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Moisture-Density Relationship (ASTM D-1557: Modified Proctor) IV.

SAMPLE LOCATION:	TP-303; S-1	DATE SAMPLED:	5/1/24
SOIL CLASSIFICATION:	Brown cmf SAND, some SILT, some cmf GRAVEL,	SAMPLE NO.:	TP-303
	little CLAY		

Moisture - Density Relationship Curve

			Sieve Size	% Passing
	150		5" 4"	100 100
		 	3"	100
			3 2"	97
	145 ·		1-1/2"	97 96
		 		
			1"	90
	140		3/4"	89
			1/2"	85
			3/8"	82
	135	 	1/4"	78
(PCF)		<u> </u>	No.4	77
9			No.10	73
≽	130 -	 	No.20	69
DRY DENSITY			No.40	66
			No.80	55
չ	125	•	No.100	50
Δ			No.200	37
	120			
	115	Uncorrected Dry Density		
	110	□ 100% Saturation Curve, Gs* = 2.6 ▲ Corrected MDD, OMC**		
		0 1 2 3 4 5 6 7 8 9 10 11 12 13 14		
		MOISTURE CONTENT (%)		

	Test Procedure I		Test Results
Test Method	✓ ASTM D-1	557 (Modified) ASTM D-	698 (Standard)
Procedure Used	□ A	■ B C	Corrected MDD (PCF) = 125.8
Preparation Method	☐ Dry	✓ Moist	Corrected OMC ($\%$) = 7.8
Description of Rammer	☐ Manual	✓ Mechanical	
Oversize Fraction by Dry V	Veight 11 % Retained on	□ No.4 Sieve □ 3	/8" Sieve ☑ 3/4" Sieve
* Specific Gravity, estimat	ed		

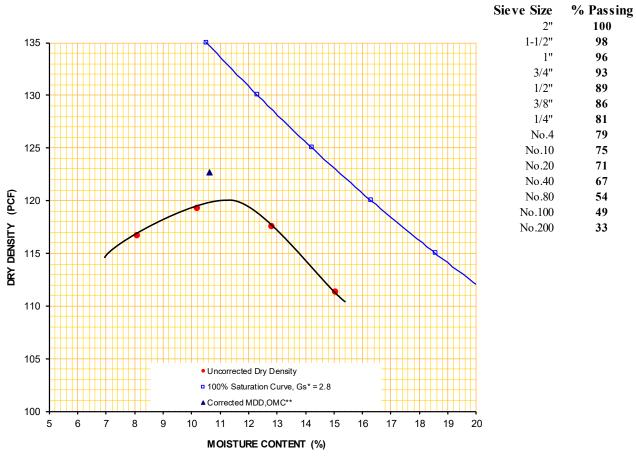
^{**} MDD = Maximum Dry Density, OMC = Optimum Moisture Content

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SAMPLE LOCATION:	TP-304; S-1	DATE SAMPLED:	5/1/24
SOIL CLASSIFICATION:	Brown cmf SAND, some SILT, some cmf GRAVEL,	SAMPLE NO.:	TP-304
	trace CLAY		

Moisture - Density Relationship Curve



Tes	st Procedure				Test Results
Test Method	✓ ASTM D-1	557 (Modified)	ASTM D-698 (Stan	idard)	
Procedure Used	□ A	В	✓ C	C	orrected MDD (PCF) = 122.7
Preparation Method	☐ Dry	✓ Moist			Corrected OMC (%) = 10.6
Description of Rammer	☐ Manual	✓ Mechanica	il		
Oversize Fraction by Dry Weigh	t 7 % Retained or	n No.4	Sieve 3/8" Sieve	✓ 3/4" Si∈	eve
* Specific Gravity, estimated					

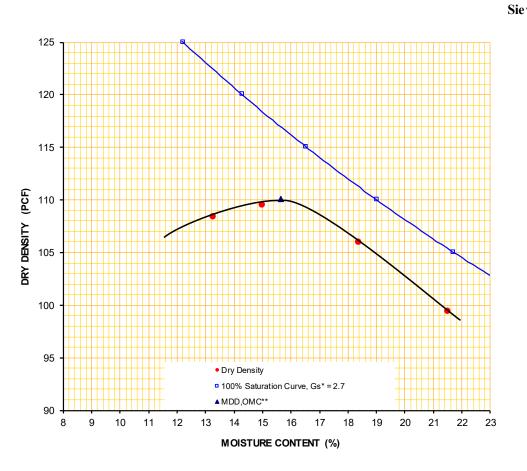
^{**} MDD = Maximum Dry Density, OMC = Optimum Moisture Content

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SAMPLE LOCATION:	TP-307; S-1	DATE SAMPLED:	5/2/24
SOIL CLASSIFICATION:	Brown SILT, little CLAY, trace mf SAND	SAMPLE NO.:	TP-307

Moisture - Density Relationship Curve



ve Size	% Passing
2"	100
1-1/2"	100
1"	100
3/4"	100
1/2"	100
3/8"	100
1/4"	100
No.4	100
No.10	100
No.20	100
No.40	99
No.80	98
No.100	98
No.200	97

<u>Te</u>	st Procedure	Informati	ion	Test Results
Test Method	✓ ASTM D-1	557 (Modifie	ed) ASTM D-698 (Standard)	· · · · · · · · · · · · · · · · · · ·
Procedure Used	□ A	□В	☑ C	MDD (PCF) = 110.1
Preparation Method	☐ Dry	✓ Moist		OMC(%) = 15.6
Description of Rammer	☐ Manual	✓ Mechar	nical	. ,
Oversize Fraction by Dry Weigh	nt 0 % Retained on	n 🔲 No	o.4 Sieve 3/8" Sieve 🗹 3/4	" Sieve
* Specific Gravity, estimated				

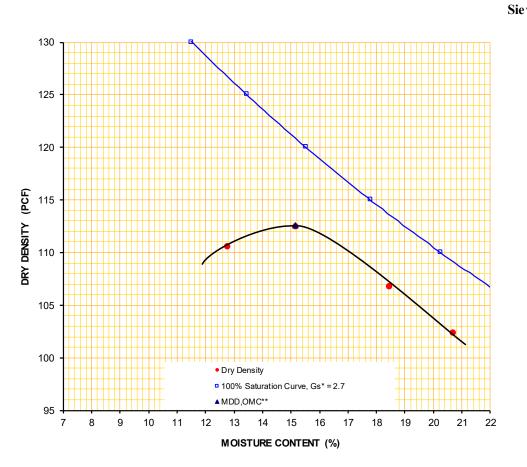
^{**} MDD = Maximum Dry Density, OMC = Optimum Moisture Content

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SAMPLE LOCATION:	TP-312; S-1	DATE SAMPLED:	5/2/24
SOIL CLASSIFICATION:	Brown SILT, little CLAY, trace fine SAND	SAMPLE NO.:	TP-312

Moisture - Density Relationship Curve



ve Size	% Passing
2"	100
1-1/2"	100
1"	100
3/4"	100
1/2"	100
3/8"	100
1/4"	100
No.4	100
No.10	100
No.20	100
No.40	100
No.80	99
No.100	99
No.200	98

Test	t Procedure	Informati	on	Test Results
Test Method	✓ ASTM D-1	1557 (Modifie	d) 🔲 ASTM D-698 (Standard)	
Procedure Used	□ A	□В	☑ C	MDD (PCF) = 112.6
Preparation Method	☐ Dry	✓ Moist		OMC(%) = 15.2
Description of Rammer	☐ Manual	✓ Mechan	ical	
Oversize Fraction by Dry Weight		_		
	0 % Retained on	n 📙 No	.4 Sieve . 3/8" Sieve . 3/4" Siev	e
* Specific Gravity, estimated				
** MDD = Maximum Dry Density	OMC = Optin	num Moistu	re Content	

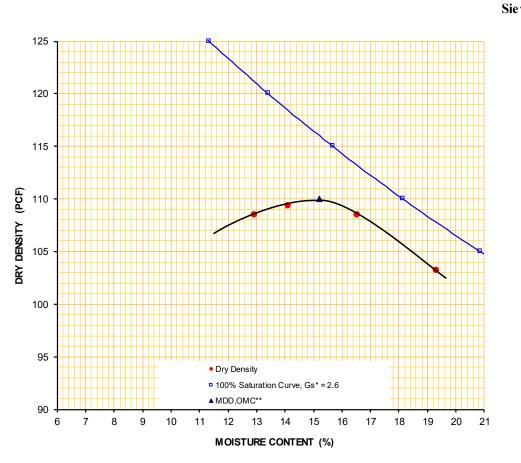
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SAMPLE LOCATION:	TP-315; S-1	DATE SAMPLED:	5/2/24
SOIL CLASSIFICATION:	Brown SILT, little CLAY, trace mf SAND	SAMPLE NO.:	TP-315

Moisture - Density Relationship Curve

Particle Size Analysis ASTM D422



c ranarys.	19 710 1111 15 12
ve Size	% Passing
2"	100
1-1/2"	100
1"	100
3/4"	100
1/2"	100
3/8"	100
1/4"	100
No.4	100
No.10	100
No.20	100
No.40	99
No.80	98
No.100	98
No.200	96

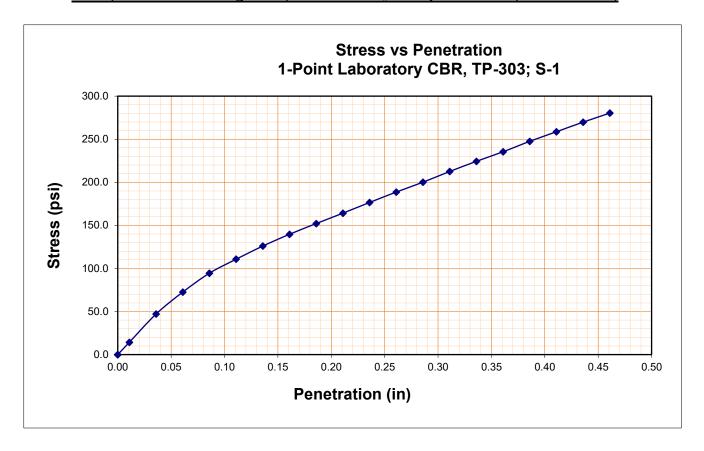
Test Procedure Information Test Results ASTM D-1557 (Modified) ASTM D-698 (Standard) Test Method **✓** C В MDD (PCF) = 110.0Procedure Used ☐ Dry ✓ Moist OMC (%) = 15.2Preparation Method ☐ Manual ✓ Mechanical Description of Rammer Oversize Fraction by Dry Weight No.4 Sieve ☐ 3/8" Sieve ✓ 3/4" Sieve 0 % Retained on * Specific Gravity, estimated

** MDD = Maximum Dry Density, OMC = Optimum Moisture Content

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V. CBR (California Bearing Ratio) of Laboratory-Compacted Soils (ASTM D1883)

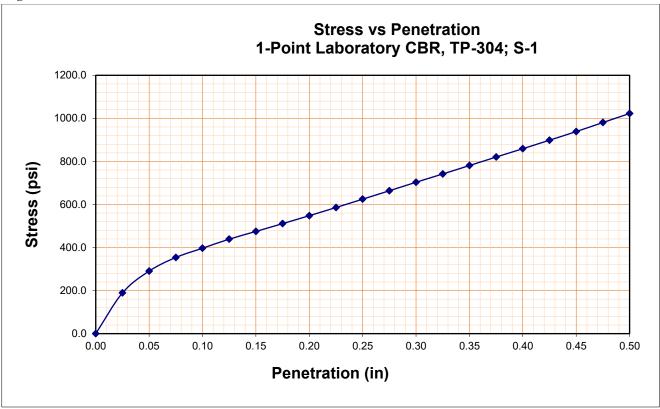


Burmister Classification: Brown cmf SAND, some SILT, some cmf GRAVEL, little CLAY

As-Molded Moisture Content (%)	6.0
As-Molded Dry Density (pcf)	117.5
No. of Blows	37
Percent Compaction, ASTM D1557	93.4
Time Soaked (hrs)	96
Swell (%)	2.5
Moisture Content After Soaking (%)	
Top 1"	17.4
Center	14.7
Ring Capacity (lbs.)	6000
Soaked CBR @ 0.1	10.4
Soaked CBR @ 0.2	10.2
Surcharge Weight (lbs.)	10

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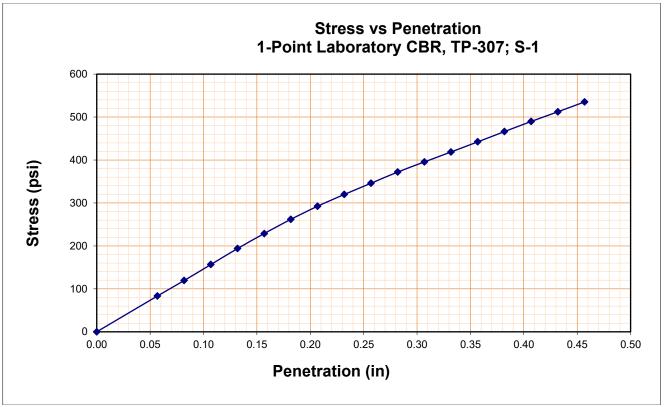


Burmister Classification: Brown cmf SAND, some SILT, some cmf GRAVEL, trace CLAY

As-Molded Moisture Content (%)	9.7
As-Molded Dry Density (pcf)	118.6
No. of Blows	42
Percent Compaction, ASTM D1557	96.7
Time Soaked (hrs)	96
Swell (%)	0.2
Moisture Content After Soaking (%)	
Top 1"	12.6
Center	12.8
Ring Capacity (lbs.)	6000
Soaked CBR @ 0.1	39.7
Soaked CBR @ 0.2	36.5
Surcharge Weight (lbs.)	10

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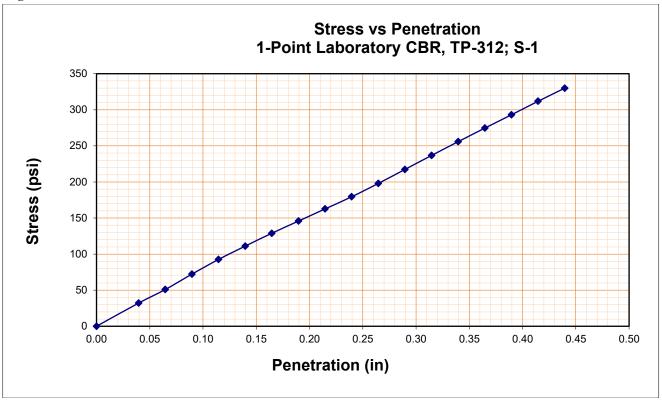


Burmister Classification: Brown SILT, little CLAY, trace mf SAND

As-Molded Moisture Content (%)	17.8
As-Molded Dry Density (pcf)	106.1
No. of Blows	40
Percent Compaction, ASTM D1557	96.3
Time Soaked (hrs)	96
Swell (%)	1.5
Moisture Content After Soaking (%)	
Top 1"	20.2
Center	18.7
Ring Capacity (lbs.)	6000
Soaked CBR @ 0.1	14.5
Soaked CBR @ 0.2	19.0
Surcharge Weight (lbs.)	10

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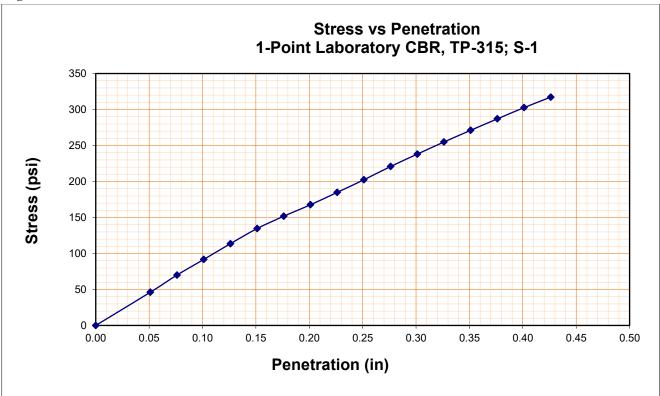


Burmister Classification: Brown SILT, little CLAY, trace fine SAND

As-Molded Moisture Content (%)	16.8
As-Molded Dry Density (pcf)	109.1
No. of Blows	37
Percent Compaction, ASTM D1557	96.9
Time Soaked (hrs)	96
Swell (%)	2.0
Moisture Content After Soaking (%)	
Top 1"	19.2
Center	18.3
Ring Capacity (lbs.)	6000
Soaked CBR @ 0.1	8.0
Soaked CBR @ 0.2	10.5
Surcharge Weight (lbs.)	10

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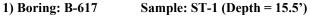
Burmister Classification: Brown SILT, little CLAY, trace mf SAND

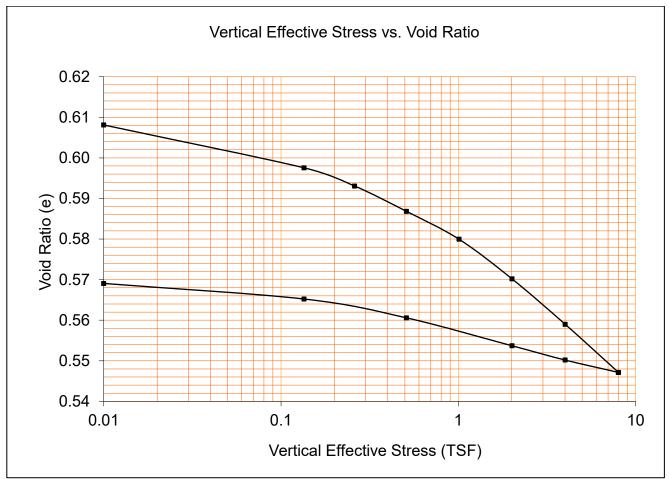
As-Molded Moisture Content (%)	16.3
As-Molded Dry Density (pcf)	105.5
No. of Blows	33
Percent Compaction, ASTM D1557	95.9
Time Soaked (hrs)	96
Swell (%)	1.9
Moisture Content After Soaking (%)	
Top 1"	20.0
Center	19.0
Ring Capacity (lbs.)	6000
Soaked CBR @ 0.1	9.2
Soaked CBR @ 0.2	11.2
Surcharge Weight (lbs.)	10

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Pre-consolidation Pressure (P') = N.A. (Normally Consolidated)

Compression Index (Cc) = 0.05**Re-compression Index (Cr)** = 0.01Initial Void Ratio (eo) = 0.58**Initial Water Content (Wn)** =22.17%**Dry Unit Weight Before Testing (γd)** = 108.8 pcf**Specific Gravity** = 2.76

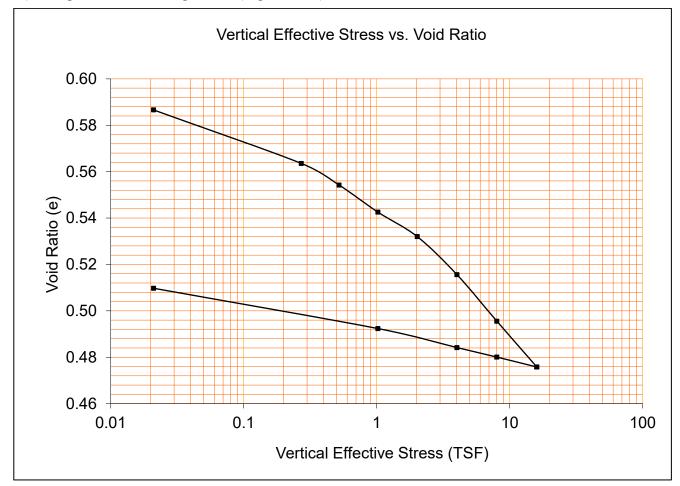
Classification: = Brown/Grey SILT, little CLAY, trace cmf SAND

Vertical Effective Stress	Coefficient of Consolidation (Cv, ft²/month)			
(tsf)	Log of Time Method	Square Root of Time Method	Average	
0.135	Not Obtainable	>100	>100	
0.260	Not Obtainable	>100	>100	
0.510	Not Obtainable	>100	>100	
1.010	Not Obtainable	>100	>100	
2.010	Not Obtainable	>100	>100	
4.010	Not Obtainable	>100	>100	
8.010	Not Obtainable	>100	>100	

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2) Boring: B-623 Sample: ST-1 (Depth = 16.8')





Pre-consolidation Pressure (P') = N.A. (Normally Consolidated)

 $\begin{array}{lll} \text{Compression Index (Cc)} & = 0.06 \\ \text{Re-compression Index (Cr)} & = 0.01 \\ \text{Initial Void Ratio (eo)} & = 0.59 \\ \text{Initial Water Content (Wn)} & = 23.2\% \\ \text{Dry Unit Weight Before Testing (}\gamma_d) & = 108.5 \text{ pcf} \\ \text{Specific Gravity} & = 2.76 \\ \end{array}$

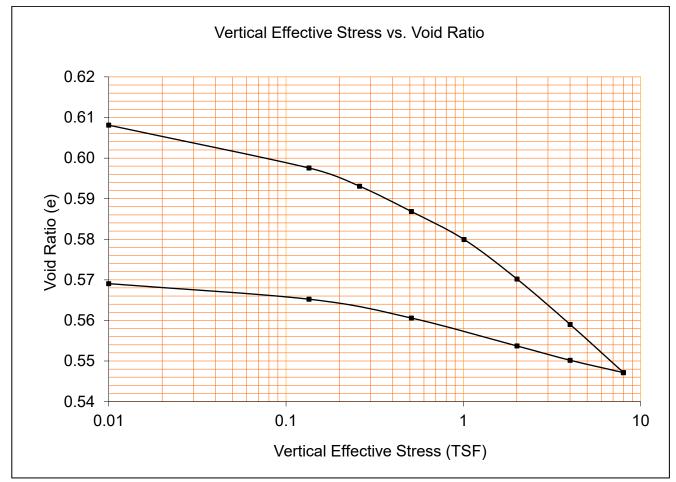
Classification: = Grey SILT, little CLAY, trace fine SAND

Vertical Effective Stress	Coefficient of Consolidation (Cv, ft²/month)			
(tsf)	Log of Time Method	Square Root of Time Method	Average	
0.271	Not Obtainable	65.13	65.13	
0.521	Not Obtainable	12.31	12.31	
1.021	Not Obtainable	16.28		
2.021	Not Obtainable	65.13	65.13	
4.021	Not Obtainable >100		>100	
8.021	Not Obtainable	90.15	90.15	
16.021	Not Obtainable	95.85	95.85	

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3) Boring: B-623 Sample: ST-2 (Depth = 16.5')





Pre-consolidation Pressure (P') = N.A. (Normally Consolidated)

 $\begin{array}{lll} Compression Index (Cc) & = 0.04 \\ Re-compression Index (Cr) & = 0.01 \\ Initial Void Ratio (eo) & = 0.61 \\ Initial Water Content (Wn) & = 18.84\% \\ Dry Unit Weight Before Testing (<math>\gamma_d$) & = 107.1 pcf Specific Gravity & = 2.76

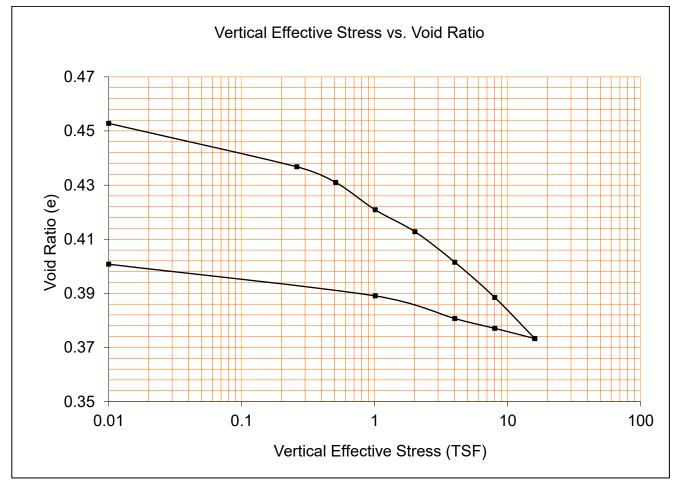
Classification: = Grey SILT, little CLAY, trace fine SAND

Vertical Effective Stress	Coefficient of Consolidation (Cv, ft²/month)			
(tsf)	Log of Time Method	Square Root of Time Method	Average	
0.135	Not Obtainable	>100	>100	
0.260	Not Obtainable	>100	>100	
0.510	Not Obtainable	>100	>100	
1.010	Not Obtainable	>100	>100	
2.010	Not Obtainable	>100	>100	
4.010	Not Obtainable	>100	>100	
8.010	Not Obtainable	>100	>100	

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4) Boring: B-624 Sample: ST-1 (Depth = 19.4')





Pre-consolidation Pressure (P') = N.A. (Normally Consolidated)

 $\begin{array}{lll} Compression Index (Cc) & = 0.05 \\ Re-compression Index (Cr) & = 0.01 \\ Initial Void Ratio (eo) & = 0.45 \\ Initial Water Content (Wn) & = 20.7\% \\ Dry Unit Weight Before Testing (<math>\gamma_d$) & = 112.4 pcf Specific Gravity & = 2.62

Classification: = Grey SILT, little CLAY, trace fine SAND

Vertical Effective Stress	Coefficient of Consolidation (Cv, ft²/month)			
(tsf)	Log of Time Method	Square Root of Time Method	Average	
0.26	Not Obtainable	90.15	90.15	
0.51	Not Obtainable	45.23	45.23	
1.01	Not Obtainable	80.41		
2.01	Not Obtainable	>100	>100	
4.01	Not Obtainable	72.17	72.17	
8.01	Not Obtainable	53.83	53.83	
16.01	Not Obtainable	95.85	95.85	

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VII. Rock Core Compression (ASTM D7012 Method C)

A) Testing Conditions:

Tested by: G.C.	Moisture Condition: Laboratory air-dry	Equipment: Forney QC-400-DR		
Date of Test: 6/24/2024	Load Direction: Generally perpendicular to laminations			

B) Core Identification and Location:

Core ID	Location	Description		
B-511; R-1	15.0'-15.5'	Grey DOLOSTONE with interbedded SHALE layers (<1/8" - 1/4" thick), slightly to moderately weathered, thinly laminated to thinly bedded, hard.		
B-518; R-1	18.2'-18.7'	Dark Grey SHALE with DOLOSTONE layers (<1/8" - 1.0" thick), slightly to moderately weathered, thinly laminated to medium hard.		
B-518; R-2	22.3'-23.1'	Dark Grey SHALE with DOLOSTONE layers (<1/8" - 2.0" thick), slightly to moderately weathered, thinly laminated to medium bedded, medium hard to hard.		
B-523; R-1	15.5'-16.0'	Grey DOLOSTONE with interbedded SHALE (<1/8" -4.0" thick), slightly weathered, thinly laminated to thinly bedded, medium to hard.		
B-544; R-1	18.7'-19.3'	Grey DOLOSTONE with interbedded SHALE layers (<1/8" - 2.0" thick), slightly weathered, thinly laminated to thinly bedded, hard.		
B-547; R-1	22.1'-22.6'	Grey DOLOSTONE with interbedded SHALE layers (<1/8" - 1" thick), slightly weathered, thinly laminated to thinly bedded, medium hard to hard.		
B-547; R-2	28.8'-29.4'	Grey DOLOSTONE with interbedded SHALE layers (<1/8" - 2" thick), slightly weathered, thinly laminated to thinly bedded, medium hard to hard.		
B-549; R-1	29.1'-29.6'	Grey DOLOSTONE with interbedded SHALE layers (<1/8" - 2" thick), slightly weathered, thinly laminated to thinly bedded, medium hard to hard.		
B-561; R-1	20.8'-21.3'	Grey DOLOSTONE with interbedded SHALE layers (<1/8" - 2" thick), thinly laminated to thinly bedded, hard.		
B-565; R-1	22.5'-23.0'	Grey DOLOSTONE with interbedded SHALE layers (<1/8" to 1" thick), thinly laminated to medium bedded, hard.		
B-595; R-2	24.1'-24.6'	Grey DOLOSTONE with SHALE layers (<1/8" - 3.0" thick), slightly weathered, thinly laminated to medium bedded, medium hard to hard.		
B-604; R-1	26.7'-27.2'	Gray SHALE, weathered, bedded, hard.		
B-688; R-1	17.8'-18.3'	Grey DOLOSTONE with interbedded SHALE (1/8" - 1.0" thick), slightly weathered, thinly laminated to medium bedded, medium hard to hard.		

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C) Core Measurements:

Core ID	Core Diameter (inch)	Length (in.)	Length to Diameter	Mass (g)	Density (lb./ft ³)
B-511; R-1	1.97	4.00	2.03	566.54	176
B-518; R-1	1.97	3.23	1.64	425.57	165
B-518; R-2	1.97	3.96	2.01	532.24	168
B-523; R-2	1.97	4.01	2.03	557.14	174
B-544; R-1	1.97	3.08	1.56	421.61	171
B-547; R-1	1.97	4.04	2.05	573.46	165
B-547; R-2	1.97	4.03	2.04	555.44	172
B-549; R-1	1.97	3.97	2.01	535.69	169
B-561; R-1	1.97	3.98	2.02	549.35	172
B-565; R-1	1.97	4.01	2.05	560.26	175
B-595; R-2	1.97	3.91	1.98	538.38	171
B-604; R-1	1.97	3.92	1.98	545.93	174
B-688; R-1	1.97	3.92	1.98	550.22	175

D) Compression Test Results:

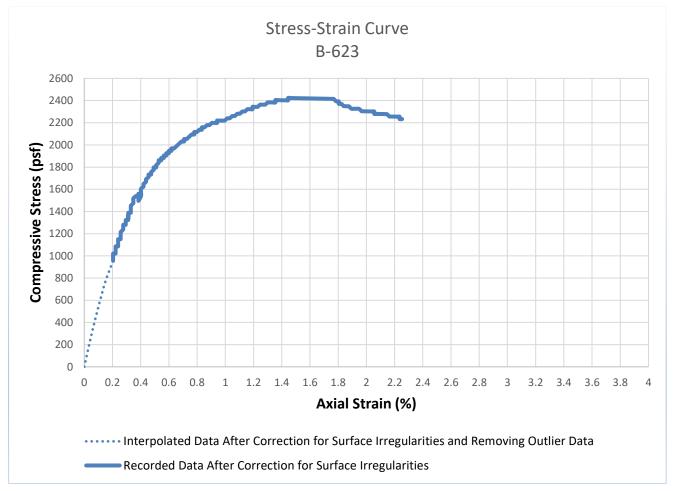
Core ID	Specimen Area (inch²)	Total Load (lbs.)	Compressive Strength (psi)	Temperature (°C)	Time to Failure (seconds)	Rate of Loading (psi/sec)
B-511; R-1	3.05	62,000	20,330	22	66	307
B-518; R-1	3.05	9,200	3,020	22	48	63
B-518; R-2	3.05	14,800	4,850	22	49	99
B-523; R-2	3.05	19,800	6,490	22	55	118
B-544; R-1	3.05	17,000	5,570	22	30	186
B-547; R-1	3.05	25,200	8,260	22	39	212
B-547; R-2	3.05	22,000	7,210	22	34	214
B-549; R-1	3.05	11,000	3,610	22	47	77
B-561; R-1	3.05	15,600	5,110	22	44	115
B-565; R-1	3.05	31,000	10,160	22	40	252
B-595; R-2	3.05	29,000	9,510	22	37	257
B-604; R-1	3.05	25,800	8,460	22	45	188
B-688; R-1	3.05	40,000	13,110	22	63	210

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VIII. <u>Unconfined Compressive Strength of Cohesive Soil (ASTM 2166)</u>

1) Boring: B-623 Sample depth = 16.0'-16.5' below grade



Initial Dry Density = 112.7 pcf Water Content = 23.2 % Unconfined Compressive Strength = 2420 psf

Average Height = 5.56 in Average Diameter = 2.88 in Height-to-Diameter Ratio = 1.9

Strain Rate = 0.26 %/min Strain at Failure = 1.44 %

Note: Sample experienced slumping during sample preparation.



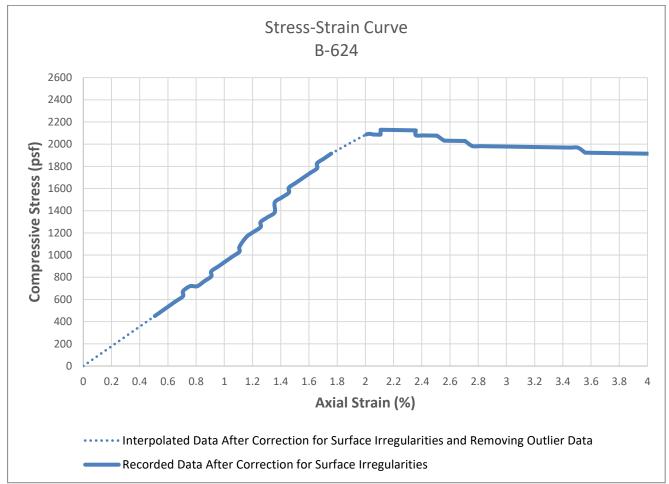
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2) Boring: B-624

Sample depth = 19.0'-19.5' below grade





Initial Dry Density = 121.0 pcf Water Content = 20.7 % Unconfined Compressive Strength = 2130 psf

Average Height = 2.00 in Average Length = 1.78 in Height-to-Length Ratio = 1.1

Strain Rate = 1.30 %/min Strain at Failure = 2.11 %

Note: Sample experienced significant slumping during sample preparation. A cube sample was prepared after the cylindrical sample could not support its own weight.



If you have any questions regarding this report please contact our office.

Hannah Kloiber
Laboratory Supervisor

Attachment: Rock Core Photographs (7 of 7)

Attachment to Laboratory Test Summary CME Report No.: 28062L-04-0724 Page 1 of 7





B-511; R-1 Before Compression



B-511; R-1 After Compression



B-518; R-1 Before Compression



B-518; R-1 After Compression

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B-518; R-2 Before Compression

B-518; R-2 After Compression



B-523; R-1 Before Compression



B-523; R-1 After Compression

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B-544; R-1 Before Compression



B-544; R-1 After Compression



B-547; R-1 Before Compression



B-547; R-1 After Compression

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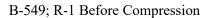




B-547; R-2 Before Compression

B-547; R-2 After Compression







B-549; R-1 After Compression

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B-561; R-1 Before Compression



B-561; R-1 After Compression



B-565; R-1 Before Compression



B-565; R-1 After Compression

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B-595; R-1 Before Compression



B-595; R-1 After Compression



B-604; R-1 Before Compression

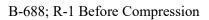


B-604; R-1 After Compression

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B-688; R-1 After Compression

						Test ID:	IT-TI	P301						
oject:	Micror	ı Camp	us					CME	Project No.:	28062				
	Clay, N	_							Test Date:		24			
	Rambo							Т	est Location:	Near T	est Pit	TP-3	01	
									Technician:	Astitw	a Sharı	na, E	IT	
t Prep	paratio	n and l	Dimensions							•				
	(Casing	Installed in:	V	Test Pi	t			Borehole					
C	Casing I	Diamete	er and Type:	3 i	nch I.I	D. HDPE								
A	Existin	ıg Grad	e Elevation (1	ft):							403.1	\pm		
В	Casing	Sticku	p Length Abo	ove Gra	de (ft):						4.00	-		
C	Top of	Casing	Elevation (fi	t):					(A+B)=		407.1	±		
D	Depth	to Bott	om of Test Ho	ole, Bel	ow Top	of Casing (f	t):				7.90	-		
E	Botton	n of Tes	st Hole Eleva	tion:					(C-D)=		399.2	±		
	Burmis	ster Cla	ssification of	Soil at	Botton	n of Hole:	Brown	mottled	SILT, some cn	nf SANI	D, some	cmf	GRAV	EL,
							trace Co	OBBLE	S					_
	Thickn	ess&T	ype of Scour/	Sedime	nt Prot	ection Layer	Installe	d:	3	3"				_
	Date an	nd Tim	e Pre-Soaked	·			05/0	1/24	Time:	13	:18	_		
	Depth	to Wate	er Level, Belo	ow Top	of Casi	ing			-			-		
		Just	After Pre-Soa	ak Fillir	ng (ft):	5.85								
		Just Pr	ior to First Te	est Fillir	ng (ft):	6.40	•	Date:	05/02/24		Time:	1	3:10	
t Obs	ervatio	ns												
		Ruı	. 1		D	- 1		D	^		_	4		_
		Kui	1 1		Rui	1 2		Ku	n 3		Rur	14		
			ī			ī							50	
	0		ī	0		ī	0			0			sing	
	ime m)	Time	ī	ime m)	Time	ī	ime m)	Time		ime m)	Time		f Casing	1
	al Time h:mm)	Time	ī	al Time h:mm)	Time	ī	al Time h:mm)	Time		al Time n:mm)	Time		p of Casing	<u> </u>
	Real Time (hh:mm)	Elapsed Time (h:mm)	Depth to Water Level, Below Top of Casing (feet)	Real Time (hh:mm)	Elapsed Time (h:mm)	Depth to Water Level, Below Top of Casing (feet)	Real Time (hh:mm)	Elapsed Time (h:mm)	Depth to Water Level, Below Top of Casing (feet)	Real Time (hh:mm)	Elapsed Time (h:mm)	is	Top of Casing	(,,,,,)
	13:14	Elapsed Time (h:mm)	Depth to Water Level, Below Top of Casing (feet)	Real Time (hh:mm)	Elapsed Time (h:mm)	ī	Real Time (hh:mm)	Elapsed Time (h:mm)		Real Time (hh:mm)	:0 Elapsed Time 0 (h:mm)		Top of Casing	
	13:14 13:15	0:0 Elapsed Time (h:mm)	Depth to Water So Casing Geet)	Real Time (hh:mm)	0:0 Elapsed Time (h:mm)	ī	Real Time (hh:mm)	0:0 Elapsed Time (h:mm)		Real Time (hh:mm)	0:0 Elapsed Time (h:mm)		Top of Casing	
	13:14 13:15 13:16	0:0 0:0 10:0 10:0 (h:mm)	Depth to Water Solve Solve Solve Solve Solve Solve Control Solv	Real Time (hh:mm)	Elapsed Time 00:0 (h:mm)	ī	Real Time (hh:mm)	0:00 0:00 0:00 0:00 0:00 0:00		Real Time (hh:mm)	00:0 00:0 00:0 00:02		Top of Casing	
	13:14 13:15 13:16 13:17	0:00 Elapsed Lime (h:mm) (h:mm)	Depth to Water Depth to Water Secondary Secondary George	Real Time (hh:mm)	Elabsed Lime 0:00 (h:mm) 0:02 0:03	ī	Real Time (hh:mm)	0:00 0:01 0:02 0:03		Real Time (hh:mm)	0:00 0:01 0:02 0:03		Top of Casing	(,,,,,)
	13:14 13:15 13:16 13:17 13:19	Elapsed Lime 0:00 0:01 0:02 0:03 0:05	Depth to Water Depth to Water Sec. 5. 5. 5. Level, Below Sec. 5. 5. 5. 7 pp of Casing (feet)	Real Time (hh:mm)	0:00 0:01 0:02 0:03 0:05	ī	Real Time (hh:mm)	0:00 ((µ:mm) 0:02 0:03 0:05		Real Time (hh:mm)	0:00 0:01 0:02 0:03 0:05		Top of Casing	
	13:14 13:15 13:16 13:17 13:19 13:24	0:00 0:00 0:01 0:03 0:05 0:10	Depth to Water Depth to Water Depth to Water Sec. 5.85 Sec. 5.85 Depth to Water Ces. 5.85 Ces. 6.85 Ces. 6.85 Ces. 7.85 Ces. 7	Real Time (hh:mm)	0:00 0:01 0:02 0:03 0:05 0:10	ī	Real Time (hh:mm)	emil (mil) 0:00 0:01 0:02 0:03 0:05 0:10		Real Time (hh:mm)	0:00 0:01 0:02 0:03 0:05 0:10		Top of Casing	
	13:14 13:15 13:16 13:17 13:19 13:24 13:29	0:00 0:01 0:02 0:03 0:05 0:10 0:15	Depth to Water Depth to Water Sec. 5.82 Sec. 5.82 Sec. 6.83 Depth to Water C8.6 C8.7 C8.6 C8.7 C9.7 C9.7 C9.7 C9.7 C9.7 C9.7 C9.7 C9	Real Time (hh:mm)	0:00 0:01 0:02 0:03 0:05 0:10 0:15	ī	Real Time (hh:mm)	0:00 0:01 0:02 0:03 0:05 0:10 0:15		Real Time (hh:mm)	0:00 0:01 0:02 0:03 0:05 0:10		Top of Casing (feet)	
	13:14 13:15 13:16 13:17 13:19 13:24 13:29 13:44	9 (Himm) (100 (Him	Depth to Water Depth to Water Section 28.5 Depth to Water Section 28.5 Depth to Water C8.5 C9.6 C9.7	Real Time (hh:mm)	emil (mum:) 0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30	ī	Real Time (hh:mm)	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30		Real Time (hh:mm)	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30		Top of Casing (feet)	
	13:14 13:15 13:16 13:17 13:19 13:24 13:29 13:44 13:59	emulumu) 0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45	Depth to Water Depth to Water Sec. 5.85 Sec. 6.85 Sec. 6	Real Time (hh:mm)	9 (mum) 0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45	ī	Real Time (hh:mm)	9 (100 mm) 0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45		Real Time (hh:mm)	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45		Top of Casing	
	13:14 13:15 13:16 13:17 13:19 13:24 13:29 13:44 13:59 14:14	9 (Himm) (100 (Him	Depth to Water Depth to Water Section 28.5 Depth to Water Section 28.5 Depth to Water C8.5 C9.6 C9.7	Real Time (hh:mm)	emil (mum:) 0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30	ī	Real Time (hh:mm)	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30		Real Time (hh:mm)	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30		Top of Casing	
t Resu	13:14 13:15 13:16 13:17 13:19 13:24 13:29 13:44 13:59 14:14	emulumu) 0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45	Depth to Water Depth to Water Sec. 5.85 Sec. 6.85 Sec. 6	Real Time (hh:mm)	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00	Depth to Water Level, Below Top of Casing (feet)		0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00	Depth to Water Level, Below Top of Casing (feet)		0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00		Top of Casing	
t Resu	13:14 13:15 13:16 13:17 13:19 13:24 13:29 13:44 13:59 14:14	9 (mum) 0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00	Depth to Water Depth to Water Sec. 5.85 Sec. 5		9 (mu::u) 0:00 0:01 0:02 0:03 0:05 0:10 0:45 1:00 Run:	Depth to Water Level, Below Top of Casing (feet)		9 (100 mm) 0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45			0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45		Top of Casing (feet)	
t Resu	13:14 13:15 13:16 13:17 13:19 13:24 13:29 13:44 13:59 14:14	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00	Debth to Mater Sect. 1 Debth to Mater Debth to Mater Sect. 2 Debth to Mater Sect. 3 Debth to Mater Sect. 5.85 S.85	te (feet/	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00 Run: //hour):	Depth to Water Level, Below Top of Casing (feet)		0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00	Depth to Water Level, Below Top of Casing (feet)		0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00		Top of Casing (feed)	
t Resu	13:14 13:15 13:16 13:17 13:19 13:24 13:29 13:44 13:59 14:14	9 (mu:u) 0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00	Debth to Mater 1	te (feet/(inches/	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00 Run: //hour):	Depth to Water Level, Below Top of Casing (feet)		0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00	Depth to Water Level, Below Top of Casing (feet)	Ru	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00	Depth to Water		
t Resi	13:14 13:15 13:16 13:17 13:19 13:24 13:29 13:44 13:59 14:14	9 (mu:u) 0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00	Debth to Mater Sect. 1 Debth to Mater Debth to Mater Sect. 2 Debth to Mater Sect. 3 Debth to Mater Sect. 5.85 S.85	te (feet/(inches/	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00 Run: //hour):	Depth to Water Level, Below Top of Casing (feet)		0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00	Depth to Water Level, Below Top of Casing (feet)	Ru erage of	0:00 0:01 0:02 0:03 0:05 0:10 0:45 1:00 n 4	Depth to Water		
	13:14 13:15 13:16 13:17 13:19 13:24 13:29 13:44 13:59 14:14 Ilts Final	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00	5.85 5.85 5.85 5.85 5.85 5.85 5.85 5.85	te (feet/(inches/linch	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00 Run: (hour): (hour):	Depth to Water Level, Below Top of Casing (feet)	Ru	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00	Depth to Water Level, Below Top of Casing (feet)	Ru erage of	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00	Depth to Water	s	

						Test ID:	IT-TI	P302					
roject:	Micror	n Camp	us					CME	Project No.:	28062			
	Clay, N	ΝY							Test Date:	05/02/	24		
Client:	Rambo							Т	est Location:	Near T	est Pit	TP-30	2
									Technician:	Astitw	a Sharı	na, Eľ	Γ
st Pre	oaratio	n and I	<u>Dimensions</u>										
	(Casing 1	Installed in:	\checkmark	Test Pi	it			Borehole				
(Casing I	Diamete	er and Type:	3 i	nch I.I	D. HDPE	_						
A	Existin	g Grad	e Elevation (f	ft):			•••••				398.9	±	
В	Casing	Sticku	p Length Abo	ove Gra	de (ft):						3.60		
C	Top of	Casing	g Elevation (ft	t):					(A+B)=		402.5	±	
D	Depth	to Botte	om of Test Ho	ole, Bel	ow Top	p of Casing (f	t):				7.80		
Е									` /		394.7		
	Burmis	ster Cla	ssification of	Soil at	Botton	n of Hole:	Grey/B	rown cn	nf SAND, some	e SILT,	some C	OBBLI	ES, little
							cmf GR						
			-			ection Layer				1''			
							05/0	1/24	Time:	13	:30		
	Depth		er Level, Belo	_		-							
			After Pre-Soa										
		Just Pri	ior to First Te	est Fillir	ng (ft):	5.65		Date:	5/2/2024		Time:	13	:45
st Obs	ervatio	<u>ns</u>											
		Rui	n 1		Rui	n 2.		Ru	n 3		D114	. 1	
				<u> </u>	Itui			T(u)	11 3		Rur	1 1	
	al Time n:mm)	apsed Time mm)	pth to Water vel, Below p of Casing et)	al Time n:mm)	Time	ï	al Time n:mm)	Time	ı	al Time n:mm)	Time	I	p of Casing et)
	Real Time (hh:mm)	Elapsed Time (h:mm)	Depth to Water Level, Below Top of Casing (feet)	Real Time (hh:mm)	Elapsed Time (h:mm)	Depth to Water to Level, Below Top of Casing (feet)	Real Time (hh:mm)	Elapsed Time (h:mm)	Depth to Water Level, Below Top of Casing (feet)	Real Time (hh:mm)	Elapsed Time (h:mm)	Depth to Water Level, Below	Top of Casing (feet)
	Real Time (hh:mm)	0:00	Depth to Water Level, Below Top of Casing (feet)	Real Time (hh:mm)	Elapsed Time (h:mm)	ï	Real Time (hh:mm)	: Elapsed Time (h:mm)	ı	Real Time (hh:mm)	Elapsed Time (h:mm)	I	Top of Casing (feet)
	Real Time (hh:mm)	0:00	Depth to Water Level, Below Top of Casing (feet)	Real Time (hh:mm)	0:0 Elapsed Time (h:mm)	ï	Real Time (hh:mm)	0:0 Elapsed Time (h:mm)	ı	Real Time (hh:mm)	0:0 Elapsed Time (h:mm)	I	Top of Casing (feet)
	Real Time (hh:mm)	0:00 0:01 0:02	Depth to Water Level, Below Top of Casing (feet)	Real Time (hh:mm)	Elapsed Time 00:0 0:01 0:02	ï	Real Time (hh:mm)	Elapsed Time 0:00 0:01 0:02	ı	Real Time (hh:mm)	00:0 00:0 00:0 00:0 00:0	I	Top of Casing (feet)
	Real Time (hh:mm)	0:00 0:01 0:02 0:03	Depth to Water Level, Below Top of Casing (feet)	Real Time (hh:mm)	Elabsed Lime 0:00 (h:mm) 0:02 0:03	ï	Real Time (hh:mm)	0:00 0:01 0:02 0:03	ı	Real Time (hh:mm)	0:00 0:01 0:02 0:03	I	Top of Casing (feet)
	Real Time (hh:mm)	0:00 0:01 0:02 0:03 0:05	Depth to Water Level, Below Top of Casing (feet)	Real Time (hh:mm)	0:00 0:00 0:02 0:03 0:05	ï	Real Time (hh:mm)	0:00 0:00 0:02 0:03 0:05	ı	Real Time (hh:mm)	0:00 0:01 0:02 0:03 0:05	I	Top of Casing (feet)
	Real Time (hh:mm)	0:00 0:01 0:02 0:03 0:05 0:10	Depth to Water Level, Below Top of Casing (feet)	Real Time (hh:mm)	0:00 0:01 0:03 0:05 0:10	ï	Real Time (hh:mm)	9 (10 (10 (10 (10 (10 (10 (10 (10 (10 (10	ı	Real Time (hh:mm)	0:00 0:01 0:02 0:03 0:05 0:10	I	Top of Casing (feet)
	Real Time (hh:mm)	0:00 0:01 0:02 0:03 0:05 0:10 0:15	Depth to Water Level, Below Top of Casing (feet)	Real Time (hh:mm)	0:00 0:01 0:02 0:03 0:05 0:10 0:15	ï	Real Time (hh:mm)	0:00 0:01 0:02 0:03 0:05 0:10 0:15	ı	Real Time (hh:mm)	0:00 0:01 0:02 0:03 0:05 0:10	I	Top of Casing (feet)
	Real Time (hh:mm)	0:00 0:01 0:02 0:03 0:05 0:10 0:15	Depth to Water Level, Below Top of Casing (feet)	Real Time (hh:mm)	emil (mum:q) 0:00 0:01 0:02 0:03 0:05 0:10 0:30	ï	Real Time (hh:mm)	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30	ı	Real Time (hh:mm)	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30	I	Top of Casing (feet)
	Real Time (hh:mm)	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45	Depth to Water Level, Below Top of Casing (feet)	Real Time (hh:mm)	9 (mum) 0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45	ï	Real Time (hh:mm)	9 (10 (10 (10 (10 (10 (10 (10 (10 (10 (10	ı	Real Time (hh:mm)	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45	I	Top of Casing (feet)
ut Dog		0:00 0:01 0:02 0:03 0:05 0:10 0:15	Depth to Water Level, Below Top of Casing (feet)	Real Time (hh:mm)	emil (mum:q) 0:00 0:01 0:02 0:03 0:05 0:10 0:30	ï	Real Time (hh:mm)	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30	ı	Real Time (hh:mm)	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30	I	Top of Casing (feet)
st Res		0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45	Depth to Water Level, Below Top of Casing (feet)	Real Time (hh:mm)	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00	Depth to Water Level, Below Top of Casing (feet)		0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00	Depth to Water Level, Below Top of Casing (feet)		0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00	I	Top of Casing (feet)
st Resi		0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00			9 (m::u) 0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00	ï		9 (10 (10 (10 (10 (10 (10 (10 (10 (10 (10	ı		0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45	I	Top of Casing (feet)
st Resi		0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00	nfiltration Ra	te (feet/	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00 Run: //hour):	Depth to Water Level, Below Top of Casing (feet)		0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00	Depth to Water Level, Below Top of Casing (feet)		0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00	I	Top of Casing (feet)
st Res	ults	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00	nfiltration Ra	te (feet/(inches/	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00 Run: //hour):	Depth to Water Level, Below Top of Casing (feet)	Ru	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00	Depth to Water Level, Below Top of Casing (feet)	Ru	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00	Depth to Water Level, Below	Top of Casing (feet)
st Resi	ults	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00	nfiltration Ra	te (feet/(inches/	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00 Run: //hour):	Depth to Water Level, Below Top of Casing (feet)	Ru	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00	Depth to Water Level, Below Top of Casing (feet)	Ru erage of	0:00 0:01 0:02 0:03 0:05 0:15 0:30 0:45 1:00	Depth to Water Level, Below	Top of Casing (feet)

	Test ID: IT-TP305												
Project:	Micron	Camp	ous					CME	Project No.:	28062			
	Clay, N	ΙΥ							Test Date:	05/02/	24		
Client:	Rambo	11						Т	est Location:	Near T	est Pit	TP-305	
									Technician:	Astitw	a Sharr	na, EIT	
Test Prep	paratio	n and l	<u>Dimensions</u>										
	(Casing	Installed in:	✓	Test Pi	it			Borehole				
(Casing I	Diamet	er and Type:	3	inch I.I	D. HDPE	_						
A	Existin	g Grad	le Elevation (ft):					•		404.0	±	
В	Casing	Sticku	p Length Abo	ove Gra	de (ft):			•••••			3.90		
C	Top of	Casing	g Elevation (f	t):					(A+B)=		407.9	±	
D	Depth 1	to Bott	om of Test H	ole, Bel	low To	p of Casing (f	t):				7.80		
E	Bottom	of Tes	st Hole Eleva	tion:					(C-D)=		400.1	±	
	Burmis	ster Cla	ssification of	Soil at	Botton	n of Hole:	Dark B	rown me	ottled cmf SAN	D, som	e SILT,	•	_
							some c	mf GRA	VEL, little CO	BBLES			•
	Thickn	ess&T	ype of Scour/	Sedime	nt Prot	ection Layer	Installe	d:		1''			-
	Date an	nd Tim	e Pre-Soaked				05/0	1/24	Time:	13	:45	-	
	Depth	to Wate	er Level, Belo	w Top	of Cas	ing			•			•	
		Just	After Pre-So	ak Filli	ng (ft):	5.90							
		Just Pr	ior to First Te	st Filli	ng (ft):	0.00		Date:	5/2/2024		Time:	14:02	
Test Obs	ervatio	n <u>s</u>											-
		Rui	n 1		Rui	n 2		Rui	n 3		Rur	n 4]
			Te se			er e			a s			is so	1
		Time	Depth to Water Level, Below Top of Casing (feet)		Elapsed Time (h:mm)	Depth to Water Level, Below Top of Casing (feet)		Elapsed Time (h:mm)	Depth to Water Level, Below Top of Casing (feet)		Elapsed Time (h:mm)	Depth to Water Level, Below Top of Casing (feet)	
	ime n)	d T	to V Bej fCa	ime n)	d T	to V Bel	ime n (u	d T	to V Bej fCa	ime n)	d T	to V Bel	
	Real Time (hh:mm)	Elapsed (h:mm)	Depth to Wat Level, Below Top of Casing (feet)	Real Time (hh:mm)	Elapsed (h:mm)	Depth Level, Top of (feet)	Real Time (hh:mm)	Elapsed (h:mm)	Depth to Wat Level, Below Top of Casing (feet)	Real Time (hh:mm)	Elapsed (h:mm)	Depth to Wate Level, Below Top of Casing (feet)	
		Elg (h:	De Le To (fe	Re (hł	Elg (h:	De Le To (fe	Re (h)		De Le To (fe	Re (hł	Elg (h:	Depth Level Top c (feet)	1
	14:08	0:00	5.70		0:00			0:00			0:00]
	14:09	0:01	5.70		0:01			0:01			0:01]
	14:10	0:02	5.70		0:02			0:02			0:02]
	14:11	0:03	5.70		0:03			0:03			0:03]
	14:13	0:05	5.70		0:05			0:05			0:05]
	14:18	0:10	5.70		0:10			0:10			0:10]
	14:23	0:15	5.70		0:15			0:15			0:15]
	14:38	0:30	5.70		0:30			0:30			0:30]
	14:53	0:45	5.70		0:45			0:45			0:45]
	15:08	1:00	5.70		1:00			1:00			1:00]
Test Resu	<u>ılts</u>												
					Run:	Run 1	Ru	n 2	Run 3	Ru	n 4		
			nfiltration Ra			0.00							
			Itration Rate	`		0.00							
	Final	Infilt	ration Rate (inches/	hour):	0.00			Based on ave			ır runs	
								✓	Based on res				
Note(s)	_		_			_	_		Appendix D: Infil	tration Te	sting Req	uirements.	
	2. No infi	ltration n	oted after Run 1, in	nfiltration	testing wa	as suspended at thi	is location						

Infiltration	Test Repor	rts - Page 4 of 5
		CKAE
		CIVIE
		Associates, Inc.

						Test ID:	IT-B	565				
Project:	Micron	Camp	us					CMI	E Project No.:	28062		
	Clay, N	JY							Test Date:	04/30/	24	
Client:	Rambo	11						Т	est Location:			
									Technician:	Astitw	a Sharr	na, EIT
Test Prep	oaration	n and I	<u>Dimensions</u>									
	C	Casing 1	Installed in:		Test Pi	t		√	Borehole			
(Casing I	Diamete	er and Type:	3 i	inch I.I). HDPE						
A	Existin	g Grad	e Elevation (1	ft):			• • • • • • • • • • • • • • • • • • • •				381.2	±
В	Casing	Sticku	p Length Abo	ove Gra	de (ft):						1.75	
C	Top of	Casing	g Elevation (f	t):					. (A+B)=		383.0	±
D	Depth 1	to Botte	om of Test Ho	ole, Bel	low Top	of Casing (f	t):				7.00	
E			st Hole Eleva						` '		376.0	<u>.</u> ±
	Burmis	ster Cla	ssification of	Soil at	Botton	n of Hole:	Light B	Brown/G	rey SILT, trace	fine SA	AND	
			ype of Scour/			-				3"		
			e Pre-Soaked				04/3	0/24	Time:	11	:30	
	Depth 1		er Level, Belo	_		-						
			After Pre-Soa									
	•	Just Pri	ior to First Te	est Filli	ng (ft):	2.60		Date:	5/3/2024		Time:	13:56
Test Obs	ervatio											
		Rui	1 1		Ruı	n 2		Ru	n 3		Rur	1 4
		o o	ter g		o	ter '		ပ	ter / s		ပ	ter / g
	ပ	Elapsed Time (h:mm)	Depth to Water Level, Below Top of Casing (feet)	e l	Elapsed Time (h:mm)	Depth to Water Level, Below Top of Casing (feet)	o o	Elapsed Time (h:mm)	Depth to Water Level, Below Top of Casing (feet)	o o	Elapsed Time (h:mm)	Depth to Water Level, Below Top of Casing (feet)
	Tim (m)	ed] n)	to Be	Tim (m)	ed] n)	n to , Be of C	Tim m)	ed]	, Be	Tim (mm	ed]	to Be,
	Real Time (hh:mm)	Elapsed (h:mm)	Depth Level Top o (feet)	Real Time (hh:mm)	Elapsed (h:mm)	Depth Level Top o (feet)	Real Time (hh:mm)	Elapsed (h:mm)	Depth Level, Top o (feet)	Real Time (hh:mm)	Elapsed (h:mm)	Depth Level Top o (feet)
	<u> 유</u>		D J T J	R 년		T L D	<u> 유</u>		D J L J	<u> 유</u>		Q J L D
		0:00			0:00			0:00			0:00	
		0:01			0:01			0:01			0:01	
		0:02			0:02			0:02			0:02	
		0:03			0:03			0:03			0:03	
		0:03			0:03			0:03			0:03	
		0:15			0:15			0:15			0:10	
		0:13			0:13			0:13			0:13	
	\vdash	0:45			0:45			0:45			0:45	
		1:00			1:00			1:00			1:00	
	ults	1.00			1.00		<u> </u>	1.00		<u> </u>	1.00	
Fost Ross	<u> </u>				Run:	Run 1	Rıı	n 2	Run 3	Rıı	n 4	İ
Γest Resi						Kuii I	IXU	.11 4	Tuii J	IXU	-11 T	
<u>Γest Resi</u>		Ţ.	nfiltration Ra	te (feet	/houri				1	ı		ı
Test Resi			nfiltration Rate									
Γest Resi	Final	Infi	Itration Rate	(inches	/hour):	0 00			Based on ave	erage of	f all fou	r runs
Γest Resi	Final	Infi		(inches	/hour):	0.00			Based on ave	-		r runs

Infiltration	Test Reports - Page 5 of 5
	意識 UIVIE
	Associates, Inc.

						Test ID:	IT-B	611				
Project:	Micron	Camp	us					CME	E Project No.:	28062		
	Clay, N	IY							Test Date:	05/03/	24	
Client:	Rambo	11						Т	est Location:			
									Technician:	Astitw	a Sharr	na, EIT
Гest Prep			<u>Dimensions</u>									
		_	Installed in:		Test P			✓	Borehole			
	_		er and Type:			D. HDPE	•					
		_	e Elevation (1								380.6	
	_		p Length Abo								1.70	•
	•	_	g Elevation (f	_							382.3	.±
	_		om of Test Ho		_						6.17	•
			st Hole Eleva						` /		376.1	.±
	Burmis	ter Cla	ssification of	Soil at	Botton	n of Hole:	Light B	rown S	ILT, trace fine	SAND		
	Tla: -1-	20 С	uma of C	C . 1:	mt Do-	antine T		۵.) !!		_
			ype of Scour/			-				3"	.20	
			e Pre-Soaked				04/3	U/24	Time:	10	:30	
	Deptn t		er Level, Belo	_		-						
	1		After Pre-So				•	Data	5/3/2024		Tima	14.10
F 4 OI			ior to First Te	St FIIII	ng (11):	2.20	<u> </u>	Date:	3/3/2024	ı	Time:	14:10
Test Obs	ervatioi	n <u>s</u> Rui	n 1		Rui	2.2		Ru	n 3		Rur	. 1
		Kul			Kul			ĸu			Kur	
		me	/ateı w ing		me	/ateı w ing		me	/ater w ing		me	/ateı
	<u> </u>	Ξ.	~ ⊇ ⊗	Lo	;=	l	La	ı.≡	:> C) +ā	i	:=	\$2 C
			o	l ğ 🕤	L1	ြဲ မ္က ပိ	l m 🗀	I 1	o W 3eld Cas	me (1	L 1	ြော္ကိုပ္ ၂
	1 Tim mm)	sed T	th to Vel, Bel	l Tim mm)	sed T	th to tel, Be	l Time mm)	sed T	oth to Wel, Belo	l Time mm)	sed T	th to el, Be of Ca
	Real Tim (hh:mm)	Elapsed Time (h:mm)	Depth to Water Level, Below Top of Casing (feet)	Real Time (hh:mm)	Elapsed Time (h:mm)	Depth to Water Level, Below Top of Casing (feet)	Real Time (hh:mm)	Elapsed Time (h:mm)	Depth to Water Level, Below Top of Casing (feet)	Real Time (hh:mm)	Elapsed T (h:mm)	Depth to Water Level, Below Top of Casing (feet)
	Real Time (hh:mm)	Elapsed T	Depth to V Level, Bel Top of Ca (feet)	Real Tim (hh:mm)	Elapsed T	Depth to Depth to Top of Ca	Real Time (hh:mm)	Elapsed T © (h:mm)	Depth to W Level, Beld Top of Cas (feet)	Real Time (hh:mm)	Elapsed Time (h:mm)	Depth to Level, Be Top of Ca (feet)
	Real Tim (hh:mm)		Depth to V Level, Bel Top of Ca (feet)	Real Time (hh:mm)		Depth to Tevel, Be Top of Ca (feet)	Real Time (hh:mm)		Depth to W Level, Bela Top of Cas (feet)	Real Time (hh:mm)		Depth to Level, Be Top of Ca (feet)
	Real Tim (hh:mm)	0:00	Depth to V Level, Bel Top of Ca (feet)	Real Time (hh:mm)	0:00	Depth to Level, Be Top of Ca (feet)	Real Time (hh:mm)	0:00	Depth to W Level, Bele Top of Cas (feet)	Real Time (hh:mm)	0:00	Depth to Level, Be Top of Ca (feet)
	Real Tim (hh:mm)	0:00 0:01	Depth to V Level, Bel Top of Ca (feet)	Real Tim (hh:mm)	0:00 0:01	Depth to Tevel, Be Top of Ce (feet)	Real Time (hh:mm)	0:00 0:01	Depth to W Level, Bela Top of Cas (feet)	Real Time (hh:mm)	0:00 0:01	Depth to Level, Be Top of Ca (feet)
	Real Tim (hh:mm)	0:00 0:01 0:02	Depth to V Level, Bel Top of Ca (feet)	Real Tim (hh:mm)	0:00 0:01 0:02	Depth to Depth to Level, Be Top of Ca (feet)	Real Time (hh:mm)	0:00 0:01 0:02	Depth to W Level, Bele Top of Cas (feet)	Real Time (hh:mm)	0:00 0:01 0:02	Depth to Level, Be Top of Ce (feet)
	Real Tim (hh:mm)	0:00 0:01 0:02 0:03	Depth to V Level, Bel Top of Ca (feet)	Real Tim (hh:mm)	0:00 0:01 0:02 0:03	Depth to Depth to Level, Be Top of Ca (feet)	Real Time (hh:mm)	0:00 0:01 0:02 0:03	Depth to W Level, Bele Top of Cas (feet)	Real Time (hh:mm)	0:00 0:01 0:02 0:03	Depth to Level, Be Top of Ca (feet)
	Real Tim (hh:mm)	0:00 0:01 0:02 0:03 0:05	Depth to V Level, Bel Top of Ca (feet)	Real Tim (hh:mm)	0:00 0:01 0:02 0:03 0:05	Depth to Depth to Level, Be Top of Cc (feet)	Real Time (hh:mm)	0:00 0:01 0:02 0:03 0:05	Depth to W Level, Bele Top of Cas (feet)	Real Time (hh:mm)	0:00 0:01 0:02 0:03 0:05	Depth to Level, Be Top of Ce (feet)
	Real Tim (hh:mm)	0:00 0:01 0:02 0:03 0:05 0:10	Depth to V Level, Bel Top of Ca (feet)	Real Tim (hh:mm)	0:00 0:01 0:02 0:03 0:05 0:10	Depth to Depth to Level, Be Top of Ce (feet)	Real Time (hh:mm)	0:00 0:01 0:02 0:03 0:05 0:10	Depth to W Level, Bele Top of Cas (feet)	Real Time (hh:mm)	0:00 0:01 0:02 0:03 0:05 0:10	Depth to Level, Be Top of Ce (feet)
	Real Tim (hh:mm)	0:00 0:01 0:02 0:03 0:05 0:10 0:15	Depth to V Level, Bel Top of Ca (feet)	Real Tim (hh:mm)	0:00 0:01 0:02 0:03 0:05 0:10 0:15	Depth to Depth to Level, Be Top of Cc (feet)	Real Time (hh:mm)	0:00 0:01 0:02 0:03 0:05 0:10	Depth to W Level, Belt Top of Cas (feet)	Real Time (hh:mm)	0:00 0:01 0:02 0:03 0:05 0:10 0:15	Depth to Level, Be Top of C (feet)
		0:00 0:01 0:02 0:03 0:05 0:10 0:15	Depth to V Level, Bel Top of Ca (feet)	Real Tim (hh:mm)	0:00 0:01 0:02 0:03 0:05 0:10 0:15	Depth to Depth to Level, Be Top of Ca (feet)	Real Time (hh:mm)	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30	Depth to W Level, Bele Top of Cas (feet)	Real Time (hh:mm)	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30	Depth to Level, Be Top of Ce (feet)
Γest Resu		0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45	Depth to V Level, Bel Top of Ca (feet)	Real Tim (hh:mm)	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00			0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00			0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00	Depth to Level, Be Top of C (feet)
Γest Resu		0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00			0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00	Depth to Depth to Level, Be Top of Ca (feet)		0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45	Depth to W Level, Belt Top of Cas (feet)		0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45	Depth to Level, Be Top of Ce (feet)
Γest Resu		0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00	nfiltration Ra	te (feet	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00 Run:			0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00			0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00	Depth to Level, Be Top of C (feet)
Γest Resu	ults	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00	nfiltration Ra	te (feet	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00 Run: /hour):	Run 1		0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00	Run 3	Ru	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00	
Γest Resi	ults	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00	nfiltration Ra	te (feet	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00 Run: /hour):			0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00		Ru erage of	0:00 0:01 0:02 0:03 0:05 0:10 0:15 0:30 0:45 1:00	

				6035 Co	orporate Drive	SU	BSURFACI	E	Test Pit ID	TP-301
		IV		East Syı	racuse, NY 13057	EXP	PLORATIO	N	Page No.	1 of 1
	Asso	ciates	, Inc.	Phone: 3	315-701-0522	TES	ST PIT LO	G	Project No.	28062
Project	Name:	Micron	Campi	us, Clay,	New York			_	Date Started	05/01/24
Client:		Rambo							Date Finished	05/01/24
Location	1:			n Locati	on Plan				Surface Elev.	403.0'
METH							GROUND	WATER O	BSERVATIO	
Operato		Daryl S				Date	Time	Depth (Ft.)		omment
Inspecto		Astitwa				05/01/24	9:44	6	Water seeping thr	
Equipm					27 Excavator	00/01/21	,	0	· · · · · · · · · · · · · · · · · · ·	e ugn siuc wuns
Bucket		Toothe			_,					
Bucket		24"	•							
					VISUAL CLA	SSIFICATIO	N OF MAT	ERIAL	!	
Depth		Sample	Denth		c - coarse					
Scale	Sample	(F		Depth of Change	m - medium	and - 35 to 50% / s				
(Feet)	No.	From	То	(Ft.)	f - fine	little - 10 to 20% /	trace - 0 to 10%			
0					Topsoil and Organic	Material (moist,	easy digging)			
				1	1 0	,	, 26 8			
1					Brown mottled SILT.	, some cmf SAN	D, some cmf C	GRAVEL, tra	ice COBBLES (n	noist, easy to
					moderate digging)		,	,	`	•
2					<i>CC C</i>					
3										
4										
5										
6					Bottom of Test Pit @), 6'. <i>Remark 3</i>				
7										
8										
9										
10										
11										
12										
10										
13										
1.4										
14										
1.5										
15										
16										
16										

- 1. See Test Pit Photographs, attached.
- 2. Test Pit excavated and backfilled by a subcontractor to CME, utilizing a Link Belt Model LNK 27 excavator, equipped with a 24" wide bucket with teeth.
- 3. Grey possible bedrock surface observed at 6 feet below grade. Test Pit Terminated after difficulty noted in digging through possible bedrock.

			6035 Co	orporate Drive	SUI	BSURFACI	E	Test Pit ID	TP-302
	JIV			racuse, NY 13057	EXP	LORATIO	N	Page No.	1 of 1
A	sociate	s, Inc.	Phone: 3	315-701-0522	TES	T PIT LO	G	Project No.	28062
Project Nam	: Micro	n Camp	us, Clay,	New York				Date Started	05/01/24
Client:	Ramb							Date Finished	05/01/24
Location:			on Locati					Surface Elev.	398.9'
METHOD				ON			WATER O	BSERVATION	<u>S</u>
Operator:	-	Sherma			Date	Time	Depth (Ft.)		ment
Inspector:		a Sharn			05/01/24	10:40	3.5	Water seeping throu	
Equipment:			del LNK	27 Excavator	05/01/24	10:45	4.2	About 0.8' of water	accumulated at
Bucket Type		ed						bottom of Test Pit	
Bucket Widt	1: 24"			VISUAL CLA	L ASSIFICATIO	N OF MAT	ERIAL.		
Depth	Sampl	e Depth	D 4 C	c - coarse			LIGHTE		
Scale Sam		Ft.)	Depth of Change	m - medium	and - 35 to 50% / so little - 10 to 20% / t				
(Feet) No		To	(Ft.)	f - fine	Intile - 10 to 20% /	irace - 0 to 10%			
0			0.5	Topsoil and Organic					
				Brown mottled cmf S	SAND, some SIL	T, some cmf (GRAVEL, lit	tle COBBLES (mo	ist, easy to
1				moderate digging)					
				Boulder noted at abo	out 1' below grad	e			
2									
2			3.5						
3			_ 3.3 _	Grey/Brown cmf SA	ND some SILT	some CORRI	ES little cm	f GRAVEL (catura	ted hard
4				digging)	ND, some Sill,	some COBBL	Lis, muc cm	I OKA VEL (Satura	icu, naru
.				Weathered Flat + El	ongated Ledge R	ock Boulders	noted		
5				Bottom of Test Pit @					
6									
7									
8									
9									
9									
10									
10									
11									
12									
13									
14									
14									
15									
13									
16									
Remarks:									

- 1. See Test Pit Photographs, attached.
- 2. Test Pit excavated and backfilled by a subcontractor to CME, utilizing a Link Belt Model LNK 27 excavator, equipped with a 24" wide bucket with teeth.
- 3. Dark grey weathered rock observed at about 5 feet below grade. Test Pit terminated after difficulty noted in digging through weathered rock.

				6035 Co	orporate Drive	SUI	BSURFACI	£	Test Pit ID	TP-303
		IV		East Syr	acuse, NY 13057	EXP	LORATIO	N	Page No.	1 of 1
	Asso	ciates	s, Inc.	Phone: 3	315-701-0522	TES	ST PIT LO	G	Project No.	28062
Project	Name:	Micror	ı Campı	ıs, Clay,	New York				Date Started	05/01/24
Client:		Rambo		, ,					Date Finished	05/01/24
Location				n Locati	on Plan				Surface Elev.	400.2'
METH							GROUND	WATER O	BSERVATIO	NS
Operato			Shermar			Date	Time	Depth (Ft.)		omment
Inspecto			a Sharm			05/01/24	9:13	4	Water seeping thr	
Equipm	ent:	Link B	elt Mod	lel LNK	27 Excavator					
Bucket '	Гуре:	Toothe	ed							
Bucket '	Width:	24"								
					VISUAL CLA	SSIFICATIO	N OF MAT	ERIAL		
Depth		Sample	e Depth	Depth of	c - coarse	and - 35 to 50% / s	20.4- 250/			
Scale	Sample	(F	t.)	Change	m - medium	little - 10 to 20% /		1		
(Feet)	No.	From	To	(Ft.)	f - fine					
0				1	Topsoil and Organic	Material (moist,	easy digging)			
1					Brown mottled SILT	, some cmf SAN	D, some cmf (RAVEL, tra	ce COBBLES (n	noist, easy to
2					moderate digging)					
3	S-1	2.0	4.0							
4										
5					Bottom of Test Pit @	5' Remark 3				
					Dottom of Test 1 it (a	, 5 . Remark 5				
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

- 1. See Test Pit Photographs, attached.
- 2. Test Pit excavated and backfilled by a subcontractor to CME, utilizing a Link Belt Model LNK 27 excavator, equipped with a 24" wide bucket with teeth.
- 3. Grey possible bedrock surface observed at 5 feet below. Test Pit terminated after difficulty noted in digging through possible bedrock.

				6035 Co	orporate Drive	SUI	BSURFAC	E	Test Pit ID	TP-304
		IV		East Syr	racuse, NY 13057	EXP	LORATIO	N	Page No.	1 of 1
	Asso	ciates	s, Inc.	Phone: 3	315-701-0522	TES	T PIT LO	G	Project No.	28062
Project I	Name:	Micror	n Camp	us, Clay,	New York	•			Date Started	05/01/24
Client:		Rambo	oll						Date Finished	05/01/24
Location	1:	See Ex	ploration	on Locati	on Plan				Surface Elev.	404.4'
METH	IOD O	F INV	/EST	IGATI	ON		GROUND	WATER O	BSERVATION	IS
Operato	r:	Daryl S	Sherma	n		Date	Time	Depth (Ft.)	Cor	nment
Inspecto	r:	Astitwa				05/01/24	11:34	5	Water seeping thro	
Equipme				del LNK	27 Excavator	05/01/24	11:40	6.5		ccumulated at bottom
Bucket 7		Toothe	ed			03/01/24	11.40	0.5	of Test Pit	
Bucket V	Width:	24"								
				•	VISUAL CLA	ASSIFICATIO	N OF MAT	ERIAL		
Depth Scale	Sample	Sample (F	e Depth t.)	Depth of Change	c - coarse m - medium	and - 35 to 50% / so little - 10 to 20% / s				
(Feet)	No.	From	То	(Ft.)	f - fine					
0				0.5	Topsoil and Organic			VEL (,,,,	,
1				1	Dark Brown cmf SA Reddish Brown cmf					
1				2	Reddish Brown chil	SAND, some Sil	1, some chin	OKAVEL (II	ioist, moderate dig	gmg)
2					Brown cmf SAND, s	some SILT, some	cmf GRAVE	L, some COE	BBLES (moist, mo	derate digging)
3	S-1	2.0	4.0							
4										
				5	— . — . — . — . –					
5				6	Grey SILT, some cm	of SAND, some co	mf GRAVEL	(wet, hard di	gging)	
6				- -	Same as above (satur		O /			
7					$We athered\ Flat + El$	longated Ledge R	ock Boulders	noted		
/					Bottom of Test Pit (a	0.7.5'				
8					Bottom of Test I it (a	9 7.2				
9										
10										
11										
12										
13										
14										
15										
16 Remark										

- 1. See Test Pit Photographs, attached.
- 2. Test Pit excavated and backfilled by a subcontractor to CME, utilizing a Link Belt Model LNK 27 excavator, equipped with a 24" wide bucket with teeth.
- 3. Test Pit terminated after difficulty noted in digging at 7.5 feet.
- 4.

			6035 C	orporate Drive	SU	BSURFACI	E	Test Pit ID	TP-305
		IVIC		racuse, NY 13057	EXP	LORATIO	N	Page No.	1 of 1
	Asso	ociates, Inc.	Phone:	315-701-0522	TES	ST PIT LO	G	Project No.	28062
Project	Name:	Micron Camp	us, Clay,	New York	•			Date Started	05/01/24
Client:		Ramboll						Date Finished	05/01/24
Locatio	n:	See Exploration	on Locati	ion Plan				Surface Elev.	404.0'
METH	HOD O	F INVEST	IGATI	ON		GROUND	WATER O	BSERVATION	IS
Operato	or:	Daryl Sherma	n		Date	Time	Depth (Ft.)	Co	mment
Inspecto	or:	Astitwa Sharn	na, EIT		05/01/24	12:00	4.5	Water seeping thro	ugh side walls
Equipm	ent:	Link Belt Moo	del LNK	27 Excavator	05/01/24	12.06	£		ccumulated at bottom
Bucket	Type:	Toothed			05/01/24	12:06	5	of Test Pit	
Bucket	Width:	24"							
				VISUAL CLA	ASSIFICATIO	N OF MAT	ERIAL	-	
Depth Scale	Sample	Sample Depth (Ft.)	Depth of Change	c - coarse m - medium	and - 35 to 50% / s little - 10 to 20% /				
(Feet)	No.	From To	(Ft.)	f - fine	N f (1 () (1			
0			1	Topsoil and Organic	Material (moist,	easy digging)			
1 2				Dark Brown mottled moderate digging)	cmf SAND, som	ne SILT, some	cmf GRAVI	EL, little COBBLE	S (moist, easy to
3									
4			4.5	Grey cmf SAND and	SILT, some cm	f GRAVEL wi	th BOULDE	RS (saturated, har	d digging)
5				Weathered Flat + El				,	22 2)
6									
7				Bottom of Test Pit @) 7'. Remark 3				
8									
9									
10									
11									
12									
13									
14									
15									
16									
Remar	l.a.	•							· · · · · · · · · · · · · · · · · · ·

- 1. See Test Pit Photographs, attached.
- 2. Test Pit excavated and backfilled by a subcontractor to CME, utilizing a Link Belt Model LNK 27 excavator, equipped with a 24" wide bucket with teeth.
- 3. Test Pit terminated after difficulty noted in digging at 7 feet on possible bedrock surface. Test Pit bottom could not be observed due to accumulated water.

			6035 Cd	orporate Drive	SUI	BSURFACI	E	Test Pit ID	TP-306
		IVIC	East Syr	racuse, NY 13057	EXP	LORATIO	N	Page No.	1 of 1
	Asso	ciates, Inc	Phone: 3	315-701-0522	TES	T PIT LO	G	Project No.	28062
Project Na	ame:	Micron Camp	us, Clay,	New York				Date Started	05/01/24
Client:		Ramboll	, ,					Date Finished	05/01/24
Location:		See Explorati	on Locati	on Plan				Surface Elev.	399.0'
		F INVEST				GROUND	WATER O	BSERVATION	S
Operator:		Daryl Sherma			Date Time Depth (Ft.) Comment				
Inspector:		Astitwa Shari			05/01/24	10:17	2.5	Water seeping from	
Equipmen		Link Belt Mo	del LNK	27 Excavator					cumulated at bottom
Bucket Ty		Toothed			05/01/24	10:25	3.5	of Test Pit	
Bucket Wi	idth:	24"							
				VISUAL CL	ASSIFICATIO	N OF MAT	ERIAL	•	
Depth Scale Sa	Sample	Sample Depth (Ft.)	Depth of Change	c - coarse m - medium	and - 35 to 50% / so				
(Feet)	No.	From To	(Ft.)	f - fine	little - 10 to 20% /				
0			1	Topsoil and Organic	Material (moist,	easy digging)			
1			1	Dark Brown mottled moderate digging)	l SILT, some cmf	SAND, some	cmf GRAVE	EL, little COBBLES	S (moist, easy to
2				moderate digging)					
3			3.5	Same as above (satu	wated medanata to	hand diamina			
4			4.5			nard digging	5)		
5				Bottom of Test Pit (u, 4.5°. Kemark 5				
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16 Remarks	, .								

- 1. See Test Pit Photographs, attached.
- 2. Test Pit excavated and backfilled by a subcontractor to CME, utilizing a Link Belt Model LNK 27 excavator, equipped with a 24" wide bucket with teeth.
- 3. Grey possible bedrock surface observed at 4.5 feet below. Test Pit terminated after difficulty noted in digging through possible bedrock.

				6035 Cc	orporate Drive	SUI	BSURFACI	E	Test Pit ID	TP-307
		IV			racuse, NY 13057	EXPLORATION			Page No.	1 of 1
	Asso	ociates	s, Inc.	Phone: 3	315-701-0522	TES	ST PIT LO	G	Project No.	28062
Project	Name:	Micror	n Camp	us, Clav,	New York	125	71111 20	<u> </u>	Date Started	05/03/24
Client:	- 1111111111111111111111111111111111111	Rambo		,					Date Finished	05/03/24
Location	n:	See Ex	ploratio	on Locati	on Plan				Surface Elev.	382.4'
METH	HOD O	-		IGATIO			GROUND	WATER O	BSERVATIONS	S
Operato		Daryl S				Date	Time	Depth (Ft.)	T T T T T T T T T T T T T T T T T T T	ment
Inspecto		Astitwa	a Sharn	na, EIT			10.07		About 3.5' of water a	accumulated at Test
Equipm	ent:	Link B	elt Mod	del LNK	27 Excavator	05/03/24	10:07	8	Pit bottom	
Bucket '	Type:	Toothe	d							
Bucket '	Width:	24"								
					VISUAL CLA	SSIFICATIO	N OF MAT	ERIAL	-	
Depth		_	Depth	Depth of	c - coarse	and - 35 to 50% / se	ome - 20 to 35%			
Scale	Sample		t.)	Change	m - medium	little - 10 to 20% /				
(Feet)	No.	From	To	(Ft.)	f - fine					
0				0.5	Topsoil and Organic					
					Brown mottled SILT	, little fine SANI	O, little CLAY	(moist, easy	digging)	
1										
2										
2										
2	S-1	2.0	4.0							
3	5-1	2.0	4.0							
4										
7				5						
5					Brown/Grey SILT, li	ttle CLAY, little	cmf SAND. tr	race mf GRA	VEL. trace COBBI	ES (wet, easy
					to moderate digging)		JIII 21 II (2), U		. 22,	222 ()
6					88 87					
7										
8					(Saturated below abo	out 8')				
9										
10				10.5	D: 1: 1 G		ND A VENT 11: 1		CODDITIO	,_,,,-
1.1					Pinkish Grey cmf SA	ND, some cmf (KAVEL, little	e SILT, trace	COBBLES (satura	ted, moderate
11					digging)	11.5!				
12					Bottom of Test Pit @	, 11 . 5				
12										
13										
1.3										
14										
15										
16										
Remar	Iras									

- 1. See Test Pit Photographs, attached.
- 2. Test Pit excavated and backfilled by a subcontractor to CME, utilizing a Link Belt Model LNK 27 excavator, equipped with a 24" wide bucket with teeth.
- 3. Nearly horizontal clay seams observed between 5 to 8 feet below grade.
- 4. Nearly horizontal Clay seams noted between 6 to 8 feet.

		N/IE	6035 C	orporate Drive	SUI	BSURFACI	E	Test Pit ID	TP-308	
		IVIC		racuse, NY 13057	EXP	LORATIO	N	Page No.	1 of 1	
	Asso	ciates, Inc	• Phone:	315-701-0522	TES	ST PIT LO	G	Project No.	28062	
Project	Name:	Micron Cam	pus, Clay,	New York	•			Date Started	05/03/24	
Client:		Ramboll						Date Finished	05/03/24	
Locatio	n:	See Explorat	ion Locati	ion Plan				Surface Elev.	381.0'	
METH	HOD O	F INVEST	IGATI	ON		GROUND	WATER O	BSERVATIONS	8	
Operato	or:	Daryl Sherma	an		Date Time Depth (Ft.) Comment					
Inspecto		Astitwa Shar			05/03/24	10:43	10	Water seeping throu	_	
Equipm			del LNK	27 Excavator	05/03/24	10:47	9	About 2.5' of water a	accumulated at Test	
Bucket		Toothed			03/03/21	10.17		Pit bottom		
Bucket	Width:	24"								
	ı	<u> </u>	1	VISUAL CL	ASSIFICATIO	N OF MAT	ERIAL			
Depth		Sample Depth	Deptil of	c - coarse	and - 35 to 50% / so	ome - 20 to 35%				
Scale	Sample	(Ft.)	Change	m - medium	little - 10 to 20% /	trace - 0 to 10%				
(Feet)	No.	From To	(Ft.)	f - fine Topsoil and Organic	M-4:-1 (:-4	1::)				
0			11	Topson and Organic	e Materiai (moist,	easy digging)				
1				Brown mottled SIL	Γ little fine SANI) little CLAY	(moist easy	digging)		
1				Brown moulea siz	i, intile lille St ii (I	, mme ezari	(incist, cas)	4.555)		
2										
3										
4										
			5							
5				Same as above (wet	, easy digging)					
6										
7										
/										
8										
9										
			10							
10			- -	Grey SILT, some Cl	LAY, some cmf S	AND. little cn	nf GRAVEL.	trace COBBLES, 1	race BOULDER	
				(saturated, easy to m		,	,	,		
11				<u> </u>	22 8)					
				Bottom of Test Pit (@ 11.5'					
12				Ì						
13										
14										
15										
1.5										
16	<u> </u>									
Remar	ks:									

- See Test Pit Photographs, attached.
 Test Pit excavated and backfilled by a subcontractor to CME, utilizing a Link Belt Model LNK 27 excavator, equipped with a 24" wide bucket with teeth.

			6035 Co	orporate Drive	SUI	BSURFAC	E	Test Pit ID	TP-309
		IVIC		racuse, NY 13057	EXP	LORATIO	N	Page No.	1 of 1
	Asso	ciates, Inc.	Phone:	315-701-0522	TES	T PIT LO	G	Project No.	28062
Project	Name:	Micron Camp	us, Clay,	New York				Date Started	05/03/24
Client:		Ramboll						Date Finished	05/03/24
Location	n:	See Explorati	on Locati	on Plan				Surface Elev.	380.6'
METH	HOD O	F INVEST	IGATI(ON		GROUND	WATER O	BSERVATIONS	S
Operato	r:	Daryl Sherma	ın		Date	Time	Depth (Ft.)	Com	ment
Inspecto	or:	Astitwa Shari	na, EIT		05/03/24	9:20	4	Water seeping throu	gh side walls
Equipm	ent:	Link Belt Mo	del LNK	27 Excavator	05/02/24	0.20	1.1	About 1' of water ac	cumulated at bottom
Bucket '	Туре:	Toothed			05/03/24	9:30	11	of Test Pit	
Bucket '	Width:	24"							
		ı		VISUAL CLA	ASSIFICATIO	N OF MAT	ERIAL	-	
Depth		Sample Depth	Depth of	c - coarse	and - 35 to 50% / so	ome - 20 to 35%			
Scale	Sample	(Ft.)	Change	m - medium	little - 10 to 20% /				
(Feet)	No.	From To	(Ft.)	f - fine	7.5	1			
0			0.5	Topsoil and Organic				C CDAVEL (
1				Light Brown mottled	SIL1, little cmf	SAND, little (CLAY, trace	fine GRAVEL (mo	ist, easy
1				digging)					
2									
3									
3			4						
4			I	Reddish Brown cmf	SAND some SII	T little CLA	V (wet_easy	to moderate digging	<u></u>
			5	readish Brown chin	or it (D, some on	21, muc CL21	1 (wet, easy	to moderate digging	5)
5				Brown SILT, little cr	nf SAND. little (CLAY (wet, m	oderate digg	ng)	
				,	,	,	88	6)	
6									
7									
8									
			9	— . — . — . — . –					
9				Grey SILT, some CL			of GRAVEL,	trace COBBLES, ti	race BOULDER
				(wet to saturated, mo	derate to hard dig	gging)			
10									
11									
1.0				D # CT + D': C	121				
12				Bottom of Test Pit @	y 12"				
13									
13									
14									
14									
15									
1.5									
16									
Remar	z s•	!!							

- See Test Pit Photographs, attached.
 Test Pit excavated and backfilled by a subcontractor to CME, utilizing a Link Belt Model LNK 27 excavator, equipped with a 24" wide bucket with teeth.

				6035 Co	orporate Drive	SUI	BSURFACI	E	Test Pit ID	TP-310
	L	IV			racuse, NY 13057	EXP	LORATIO	N	Page No.	1 of 1
	Asso	ciates	, Inc.	Phone: 3	315-701-0522	TES	T PIT LO	G	Project No.	28062
Project	Name:	Micron	Campi	us, Clay,	New York				Date Started	05/03/24
Client:		Rambo	11						Date Finished	05/03/24
Location	1:	See Ex	ploratio	n Locati	on Plan				Surface Elev.	383.1'
METH	O doi	F INV	ESTI	GATI	ON		GROUND	WATER O	BSERVATIO	NS
Operato	r:	Daryl S	Shermar	1		Date	Time	Depth (Ft.)	C	omment
Inspecto	r:	Astitwa	a Sharm	na, EIT		05/03/24	11:48	4	Water seeping fro	om sides of Test Pit
Equipm		Link B	elt Mod	lel LNK	27 Excavator	05/03/24	12:00	12	Water rising from	bottom of Test Pit
Bucket '	• •	Toothe	d							
Bucket '	Width:	24"								
			-	1 1	VISUAL CLA	SSIFICATIO	N OF MAT	ERIAL		
Depth		Sample		Depth of	c - coarse	and - 35 to 50% / se	ome - 20 to 35%			
Scale	Sample	(F		Change	m - medium	little - 10 to 20% /				
(Feet)	No.	From	To	(Ft.)	f - fine					
0				0.5	Topsoil and Organic					
1					Dark Brown SILT, so	ome CLAY, trace	e fine SAND (wet, easy dig	ging)	
1										
2										
3										
				4						
4					Brown mottled SILT	and CLAY, trac	e fine SAND (wet, easy to	moderate digging	g)
5										
6										
7										
0										
8										
9										
9				10						
10					Grey SILT, some CL	ΔV trace fine S	AND (saturate	d moderate	diagina)	
10					Grey BILT, some CL	A1, trace fine 5.	AND (saturate	u, moderate	uiggiiig)	
11										
12					Bottom of Test Pit @	12'				
					_					
13										
14										
1.5										
15										
1.0										
16										

- See Test Pit Photographs, attached.
 Test Pit excavated and backfilled by a subcontractor to CME, utilizing a Link Belt Model LNK 27 excavator, equipped with a 24" wide bucket with teeth.

				6035 Co	orporate Drive	SUI	BSURFACI	E	Test Pit ID	TP-311
		IV		East Syr	racuse, NY 13057	EXP	LORATIO	N	Page No.	1 of 1
	Asso	ciates	s, Inc.	Phone: 3	315-701-0522	TES	T PIT LO	G	Project No.	28062
Project	Name:	Micror	ı Camp	us, Clay,	New York				Date Started	05/03/24
Client:		Rambo							Date Finished	05/03/24
Location			•	on Locati					Surface Elev.	380.5'
				IGATI	ON				BSERVATIO	
Operato		-	Sherma			Date	Time	Depth (Ft.)		omment
Inspecto			a Sharn		27 Excavator	05/03/24	12:16	2.5	Water seeping fro	er accumulated at
Equipm Bucket		Toothe		aei LNK	27 Excavator	05/03/24	12:30	10.5	bottom of Test Pi	
Bucket '		24"	u						bottom of Test 11	L
Duener	***************************************				VISUAL CLA	SSIFICATIO	N OF MAT	ERIAL	<u> </u>	
Depth		Sample	e Depth	Depth of	c - coarse					
Scale	Sample	_	t.)	Change	m - medium	and - 35 to 50% / so little - 10 to 20% / s				
(Feet)	No.	From	То	(Ft.)	f - fine					
0				0.5	Topsoil and Organic			· , 	- - . — . –	
1					Brown mottled SILT	, little CLAY, tra	ce fine SAND	(moist, easy	digging)	
1										
2										
_				3						
3					Same as above (wet,	easy digging)				
4										
5										
3										
6										
7										
8				0						
9				9	Grey mottled SILT, s	ome CLAV troo	a fina SAND	(coturated ea	esy to medium di	
9					Grey moured SIL1, s	clA1, uac	e lille SAND	(Saturateu, Ca	isy to inedium di	ggiiig <i>)</i>
10										
11					Bottom of Test Pit @) 11'				
12										
13										
13										
14										
15										
16										

- See Test Pit Photographs, attached.
 Test Pit excavated and backfilled by a subcontractor to CME, utilizing a Link Belt Model LNK 27 excavator, equipped with a 24" wide bucket with teeth.

				6035 Co	orporate Drive		BSURFACI		Test Pit ID	TP-312	
		IV		East Syr	racuse, NY 13057	EXP	LORATIO	N	Page No.	1 of 1	
	Asso	ciates	s, Inc.	Phone: 3	315-701-0522	TES	ST PIT LO	G	Project No.	28062	
Project	Name:	Micror	n Camp	us, Clay,	New York				Date Started	05/03/24	
Client:		Rambo	oll						Date Finished	05/03/24	
Location				on Locati					Surface Elev.	380.5'	
METH		F INV	/ESTI	GATI	ON		GROUND	WATER O	BSERVATIO	NS	
Operato	r:	Daryl S	Sherma	n		Date	Time	Depth (Ft.)	Co	omment	
Inspecto			a Sharn			05/03/24	12:58	None Noted			
Equipm				lel LNK	27 Excavator						
Bucket '		Toothe	ed								
Bucket '	Width:	24"									
					VISUAL CLA	ASSIFICATIO	N OF MAT	ERIAL			
Depth			e Depth	Depth of	c - coarse	and - 35 to 50% / s	ome - 20 to 35%				
Scale	Sample	_	t.)	Change	m - medium						
(Feet)	No.	From To (Ft.) f - fine									
0			0.5 Topsoil and Organic Material (wet, easy digging) Brown mottled SILT, little CLAY, trace fine SAND (wet, easy								
1					Brown mottled SILT	(wet, easy di	gging)				
1											
2											
2											
3	S-1	2.0	$2.0 \mid 4.0 \mid$								
3	5-1	2.0	7.0								
4											
5											
6											
				7							
7					Grey SILT and CLA	Y, trace fine SAI	ND (wet to sat	urated, easy to	o moderate diggi	ng)	
_											
8											
0											
9											
10					Bottom of Test Pit @	10'					
10					Bottom of Test I it (a)	, 10					
11											
11											
12											
13											
14											
15											
16											

- 1. See Test Pit Photographs, attached.
- 2. Test Pit excavated and backfilled by a subcontractor to CME, utilizing a Link Belt Model LNK 27 excavator, equipped with a 24" wide bucket with teeth.
- 3. Side walls caved in before taking Test Pit photographs.4. Nearly horizontal Clay seams noted between 6 to 8 feet.

				6035 Cc	orporate Drive	SU	BSURFACI	E	Test Pit ID	TP-313
		IV			racuse, NY 13057	EXP	LORATIO	N	Page No.	1 of 1
	Asso	ciates	s, Inc.	Phone: 3	315-701-0522	TES	ST PIT LO	G	Project No.	28062
Project	Name:	Micron	Camp	us, Clay,	New York				Date Started	05/02/24
Client:		Rambo							Date Finished	05/02/24
Location				on Locati					Surface Elev.	403.6'
METH					ON			WATER O	BSERVATIO	NS
Operato		Daryl S				Date	Time	Depth (Ft.)		omment
Inspecto		Astitwa				05/02/24	12:21	10	Water seeping thi	ough side walls
Equipm				del LNK	27 Excavator					
Bucket '		Toothe	d							
Bucket '	Width:	24"			VISUAL CLA	SSIFICATIO	N OF MAT	EDIAI		
		C1-	Douglo			SSIFICATIO	N OF MAI	LKIAL		
Depth	C1-	Sample (F		Depth of	c - coarse	and - 35 to 50% / s				
Scale (Feet)	Sample No.	From	To	Change (Ft.)	m - medium f - fine	little - 10 to 20% /	trace - 0 to 10%			
0	1,01	Trom	10		Topsoil and Organic	Material (moist.	easy digging)			
					Brown SILT, some fi			, easy digging	g)	
1							•	, ,		
				2						
2					Same as above (wet,	easy)				
3				4						
4				4	Reddish Brown cmf S	SAND some SII	T trace CLA	V trace GRA	VEL (moist eas	vy diagina)
7				5	Reddish Brown eith t	SAND, some Sin	ZI, HACC CLA	1, trace GIG	VLL (moist, cas	sy digging)
5					Brown cmf SAND, so	ome SILT, some	cmf GRAVEI	L, little COB	BLES, trace CLA	AY (wet to
					saturated, moderate d	ligging)				
6										
_										
7					See Remark 3					
8										
0										
9				9.5						
					See Remark 4					
10					Bottom of Test Pit @	10'				
11										
10										
12										
13										
15										
14										
15										
1.0										
16										

- 1. See Test Pit Photographs, attached.
- 2. Test Pit excavated and backfilled by a subcontractor to CME, utilizing a Link Belt Model LNK 27 excavator, equipped with a 24" wide bucket with teeth.
- 3. Large weathered rock of about 16"x16"x8" in dimension noted at about 9.5' below grade.
- 4. Nearly horizontal Clay seams noted between 6 to 8 feet.

				6035 Co	orporate Drive	SU	BSURFACI	E	Test Pit ID	TP-314
		IV		East Syr	racuse, NY 13057	EXP	PLORATIO	N	Page No.	1 of 1
	Asso	ciates	s, Inc.	Phone: 3	315-701-0522	TES	ST PIT LO	\mathbf{G}	Project No.	28062
Project	Name:	Micron	Campi	us, Clay,	New York				Date Started	05/02/24
Client:		Rambo	11						Date Finished	05/02/24
Location	n:	See Ex	ploratio	n Locati	on Plan				Surface Elev.	401.6'
METH	O doi	F INV	ESTI	GATI	ON		GROUND	WATER O	BSERVATIO	NS
Operato	r:	Daryl S	Shermar	1		Date	Time	Depth (Ft.)	C	omment
Inspecto	r:	Astitwa	a Sharm	na, EIT		05/02/24	9:55	None Noted		
Equipm	ent:	Link B	elt Mod	lel LNK	27 Excavator					
Bucket '	Туре:	Toothe	d							
Bucket '	Width:	24"								
					VISUAL CLA	SSIFICATIO	N OF MAT	ERIAL	•	
Depth		Sample	Depth	Depth of	c - coarse	and - 35 to 50% / s	oma 20 to 25%			
Scale	Sample	(F	t.)	Change	m - medium	little - 10 to 20% /				
(Feet)	No.	From	To	(Ft.)	f - fine					
0		0.5 Topsoil and Organic Material (moist, easy digging) Light Brown SILT, some cmf SAND, trace CLAY (moist,								
					Light Brown SILT, se	moist, easy d	igging)			
1										
2										
3				4						
4				4	C /D C					
4					Grey/Brown, Same as	s above (wet, eas	sy to mealum o	nigging)		
5										
3										
6										
O										
7										
,				8						
8					Grey, Same as above	(wet, moderate	to hard digging	g)		
					Rock fragments noted	•		3)		
9					Bottom of Test Pit @					
					_					
10										
11										
12										
13										
1.4										
14										
15										
13										
16										

- 1. See Test Pit Photographs, attached.
- 2. Test Pit excavated and backfilled by a subcontractor to CME, utilizing a Link Belt Model LNK 27 excavator, equipped with a 24" wide bucket with teeth.
- 3. Test Pit terminated after difficulty noted in digging through possible weathered rock.

				6035 Co	orporate Drive	SUI	BSURFACI	E	Test Pit ID	TP-315
		IV			racuse, NY 13057	EXP	LORATIO	N	Page No.	1 of 1
	Asso	ciates	s, Inc.	Phone:	315-701-0522	TES	ST PIT LO	G	Project No.	28062
Project	Name:	Micror	n Camp	us, Clay,	New York	•			Date Started	05/02/24
Client:		Rambo	oll	-					Date Finished	05/02/24
Location	n:	See Ex	ploration	on Locati	on Plan				Surface Elev.	405.1'
METH	HOD O						GROUND	WATER O	BSERVATIO	NS
Operato		Daryl S				Date	Time	Depth (Ft.)		omment
Inspecto		-	a Sharn			05/02/24	10:27	3	Water seeping thi	
Equipm					27 Excavator				1 8	8
Bucket		Toothe								
Bucket		24"								
					VISUAL CLA	SSIFICATIO	N OF MAT	ERIAL	<u> </u>	
D 4		Sample	Denth							
Depth Scale	Sample	(F		Depth of	c - coarse m - medium	and - 35 to 50% / s				
(Feet)	No.	From	To	Change (Ft.)	f - fine	little - 10 to 20% /	trace - 0 to 10%			
0	1101	Trom	10	(1 11)	Topsoil and Organic					
U				1	Topson and Organic	material (moist,	casy digging)			
1					Light Brown mottled	SILT some mf	SAND trace (TAV (wet	easy to moderate	
1					Light Brown motiled	SIL1, some mi	SAND, Hace C	ELAT (wei, t	asy to moderate	digging)
2	S-1	2.0	3.5							
_	5 1	2.0	3.3							
3				3.5						
3				<u> </u>	Grey/Brown mottled	SILT some mf 9	SAND little C	TAV (wet e	asy to moderate	
4					Grey/Brown mothed	Silli, some mi	SAND, IIIIC C	LAT (wei, c	asy to moderate t	ingging)
7										
5										
3										
6										
O				7	See Remark 4					
7				'	Grey/Brown mottled	SILT some mf 9	SAND little C	TAV trace (GRAVEL (wet e	asy to moderate
,					digging)	SIL1, some mi	57 H VD, Hitle C	Erri, nace (SICTVEE (wei, e	asy to moderate
8					digging)					
0										
9					Bottom of Test Pit @	9' Remark 5				
					2000000 01 1 000 1 10 (6)	y s v zvemom v e				
10										
10										
11										
12										
13										
14										
15										
-										
16										

- See Test Pit Photographs, attached.
 Test Pit excavated and backfilled by a subcontractor to CME, utilizing a Link Belt Model LNK 27 excavator, equipped with a 24" wide bucket with teeth.
- 3. Side walls caved in before taking Test Pit photographs.4. Nearly horizontal Clay seams noted between 6 to 8 feet.
- 5. Test Pit terminated after difficulty noted in digging through dense COBBLES/BOULDER.

		N/		6035 Co	orporate Drive	SUI	BSURFACI	£	Test Pit ID	TP-316			
		IVI			acuse, NY 13057	N	Page No.	1 of 1					
	Asso	ciates	, Inc.	Phone: 3	315-701-0522	TES	ST PIT LOC	$\mathbf{\hat{J}}$	Project No.	28062			
Project	Name:	Micron	Campı	ıs, Clay,	New York				Date Started	05/02/24			
Client:		Rambo							Date Finished	05/02/24			
Location				n Locati	on Plan				Surface Elev.	403.3'			
METH	IOD O	F INV	ESTI	GATI	ON		GROUND	WATER O	BSERVATIO	NS			
Operato	r:	Daryl S	Shermar	1		Date	Time	Depth (Ft.)	Co	mment			
Inspecto		Astitwa	Sharm	ıa, EIT		05/02/24	11:45	10	Water seeping thre	ough bottom			
Equipm	ent:	Link Bo	elt Mod	lel LNK	27 Excavator								
Bucket '	Гуре:	Toothe	d										
Bucket '	Width:	24"											
					VISUAL CLA	SSIFICATIO	N OF MAT	ERIAL	•				
Depth		Sample	Depth	Depth of	c - coarse	and - 35 to 50% / se	20 4- 250/						
Scale	Sample	(Ft	t.)	Change	m - medium	little - 10 to 20% / so							
(Feet)	No.	From	To	(Ft.)	f - fine	nttie - 10 to 20707	11466 - 0 10 1070						
0				0.5	Topsoil and Organic								
					Brown mottled SILT,	, some fine SAN	D, trace CLAY	(moist, easy	y digging)				
1													
2													
2													
3													
4													
4				5									
5					Brown mottled SILT	some fine SAN	D little CLAV	trace POO	TS (wet easy to a	moderate diagina)			
3					Drown momed SIL1,	, some time SAIN	D, IIIIIE CLAT	, nace Roo	13 (wei, easy to i	noderate digging)			
6													
O													
7													
,													
8				8.5									
					Brown SILT, some fi	ne SAND, trace	GRAVEL, trac	ce CLAY (w	et, moderate digg	ing)			
9				9.5				`					
					Brown mf SAND, so	me SILT, little c	mf GRAVEL (wet, modera	te to hard digging	g)			
10					Bottom of Test Pit @	10'							
11													
12													
1.0													
13													
1.4													
14													
15													
13													
16													

- 1. See Test Pit Photographs, attached.
- 2. Test Pit excavated and backfilled by a subcontractor to CME, utilizing a Link Belt Model LNK 27 excavator, equipped with a 24" wide bucket with teeth.
- 3. Test Pit terminated after difficulty noted in digging through dense COBBLES/BOULDER.

				6035 Co	orporate Drive	SUI	BSURFACI	E	Test Pit ID	TP-317
		IV		East Syr	racuse, NY 13057	EXP	LORATIO	N	Page No.	1 of 1
	Asso	ciates	s, Inc.	Phone: 3	315-701-0522	TES	T PIT LO	G	Project No.	28062
Project	Name:	Micror	n Campi	us, Clay,	New York				Date Started	05/02/24
Client:		Rambo	11						Date Finished	05/02/24
Location	n:	See Ex	ploratio	n Locati	on Plan				Surface Elev.	405.4'
METH	HOD O	F INV	ESTI	GATI	ON		GROUND	WATER O	BSERVATIO	NS
Operato	r:	Daryl S	Shermar	1		Date	Time	Depth (Ft.)	C	omment
Inspecto	r:	Astitwa	a Sharm	na, EIT		05/02/24	11:09	2.5	Water seeping thi	ough side walls
Equipm	ent:	Link B	elt Mod	lel LNK	27 Excavator					
Bucket '	Туре:	Toothe	ed							
Bucket '	Width:	24"								
					VISUAL CLA	SSIFICATIO	N OF MAT	ERIAL	•	
Depth		Sample	Depth	Depth of	c - coarse	and - 35 to 50% / se	ome - 20 to 35%			
Scale	Sample	(F	t.)	Change	m - medium	little - 10 to 20% /				
(Feet)	No.	From	To	(Ft.)	f - fine					
0					Topsoil and Organic	Material (moist,	easy digging)			
1				1	Brown SILT, some fi	ne SAND, little	CLAY (wet, e	asy to moder	ate digging)	
					,	,	,	,	<i>55 5</i>)	
2										
3										
4				4	Same as above (wet,	easy digging)				
_										
5				6						
6					Brown SILT, some fi	ne SAND, little	CLAY, trace c	mf GRAVEI	L (wet, easy to m	oderate digging)
7				7.5						
8					Brown cmf GRAVEI	L, some cmf SAN	ID, some SIL	Γ, little COB	BLES, trace BO	JLDER (wet, hard
0					digging)					
9										
10					Test Pit bottom @ 10) 5'				
11					restriction ag 10					
12										
13										
14										
15										
16										

- 1. See Test Pit Photographs, attached.
- 2. Test Pit excavated and backfilled by a subcontractor to CME, utilizing a Link Belt Model LNK 27 excavator, equipped with a 24" wide bucket with teeth.
- 3. Test Pit terminated after difficulty noted in digging through dense COBBLES/BOULDER.

Test Pit Photographs
Page **1** of **17**





Figure 1: Test Pit TP-301



Figure 2: Materials excavated from TP-301

Test Pit Photographs Page **2** of **17**





Figure 3: Test Pit TP-302



Figure 4: Materials excavated from TP-302

Test Pit Photographs
Page **3** of **17**





Figure 5: Test Pit TP-303



Figure 6: Materials excavated from TP-303

Test Pit Photographs Page **4** of **17**





Figure 7: Test Pit TP-304



Figure 8: Materials excavated from TP-304

Test Pit Photographs
Page **5** of **17**





Figure 9: Test Pit TP-305



Figure 10: Materials excavated from TP-305

Test Pit Photographs
Page **6** of **17**





Figure 11: Test Pit TP-306



Figure 12: Materials excavated from TP-306

Test Pit Photographs
Page **7** of **17**





Figure 13: Test Pit TP-307



Figure 14: Materials excavated from TP-307

Test Pit Photographs
Page **8** of **17**





Figure 15: Test Pit TP-308



Figure 16: Materials excavated from TP-308

Test Pit Photographs Page **9** of **17**





Figure 17: Test Pit TP-309



Figure 18: Materials excavated from TP-309

Test Pit Photographs
Page **10** of **17**





Figure 19: Test Pit TP-310



Figure 20: Materials excavated from TP-310

Test Pit Photographs
Page **11** of **17**





Figure 21: Test Pit TP-311



Figure 22: Materials excavated from TP-311

Test Pit Photographs
Page **12** of **17**





Figure 23: Test Pit TP-312



Figure 24: Materials excavated from TP-312

Test Pit Photographs
Page **13** of **17**





Figure 25: Test Pit TP-313



Figure 26: Materials excavated from TP-313

Test Pit Photographs
Page **14** of **17**





Figure 27: Test Pit TP-314



Figure 28: Materials excavated from TP-314

Test Pit Photographs
Page **15** of **17**





Figure 29: Test Pit TP-315



Figure 30: Materials excavated from TP-315

Test Pit Photographs
Page **16** of **17**





Figure 31: Test Pit TP-316



Figure 32: Materials excavated from TP-316

Test Pit Photographs
Page **17** of **17**





Figure 33: Test Pit TP-317



Figure 34: Materials excavated from TP-317

Vane Shear Test and Pocket Penetrometer Test Summary Tables

In-situ Vane Shear Test Readings

	Depth	Т	EST 1	T	EST 2	TEST 3			
TESP PIT ID	(ft)	Peak (psf)	Residual (psf)	Peak (psf)	Residual (psf)	Peak (psf)	Residual (psf)		
TP-301	3.5	1,044	543	1,003	501	1,420	794		
TP-303	2.5	1,337	961	1,295	794	1,880	794		
18-505	3.5	1,337	877	1,253	835	877	522		
TP-307	2.5	2,444	794	2,611	773	2,151	773		
TP-308	2.5	1,880	919	2,799	1,128	1,838	835		
17-306	4	794	209	626	334	710	209		
TP-309	2	1,880	731	1,775	794	1,546	606		
TP-310	2.5	3,258	1,671	5,013	1,921	4,261	2,214		
18-310	4	1,838	919	2,130	1,337	2,556	835		
TP-311	2.5	2,005	835	1,786	668	1,963	752		
11-311	3.5	1,546	585	1,504	459	1,796	626		
TP-312	2	3,342	1,336	2,924	1,587	2,506	1,253		
TP-313	2	439	292	585	292	710	376		
TP-314	2.5	752	209	877	209	835	209		
11-314	3.5	606	251	877	292	501	251		
TP-315	3	647	251	272	125	459	209		
TP-316	2.5	522	251	835	376	794	313		
11-210	5	1,190	Note 1	1,525	Note 1	627	Note 1		
TP-317	2.5	689	376	794	355	1,211	418		
11-21/	3.5	835	459	710	397	982	459		

Note 1: Test pit was too deep to enter and perform the traditional vane shear test. The test was performed from grade using extension rods. The Residual reading could not be obtained with this method.

Vane Shear Test and Pocket Penetrometer Test Summary Tables

In-situ Pocket Penetrometer Readings

	Depth			
TEST PIT ID	(ft)	TEST 1 (tsf)	TEST 2 (tsf)	TEST 3 (tsf)
TP-301	3.5	0.50	0.50	0.75
TD 202	2.5	0.50	0.25	1.00
TP-303	3.5	0.25	0.25	0.50
TP-307	2.5	1.25	2.50	1.75
TP-308	2.5	1.38	0.88	2.00
17-306	4.0	1.50	0.75	1.25
TP-309	2.0	0.75	0.75	1.50
17-309	3.0	3.00	1.00	1.25
TP-310	2.5	4.25	1.75	1.75
14-210	4.0	0.75	1.00	0.50
TP-311	2.5	3.00	3.00	3.50
11-211	3.5	1.00	0.25	1.88
TP-312	2.0	3.00	1.75	2.38
TP-313	2.0	2.75	1.25	1.13
TP-314	2.5	0.67	1.00	0.50
17-314	3.5	0.67	1.00	1.00
TP-316	2.5	1.25	1.00	3.75
TP-317	2.5	1.50	1.25	1.87
14-21/	3.5	0.38	1.00	0.38

FIELD SOIL RESISTIVITY OBSERVATIONS SUMMARY TABLE

						Probe S	Spacing					
		20 ft (6	10 cm)	16 ft (4	88 cm)	12 ft (3	66 cm)	8 ft (2	44 cm)	4 ft (122 cm)		
Date:	Survey Point ID	R (Ω)	ρ (Ω•cm)	R (Ω)	ρ (Ω•cm)	R (Ω)	ρ (Ω•cm)	R (Ω)	ρ (Ω•cm)	R (Ω)	ρ (Ω•cm)	
5/31/2024	SR-1	10.10	38,700	11.70	35,900	18.30	42,100	40.10	61,500	175.00	134,000	
5/31/2024	SR-2	3.66	14,000	4.73	14,500	4.96	11,400	12.00	18,400	76.90	58,900	
5/31/2024	SR-3	3.72	14,300	4.04	12,400	4.36	10,000	5.16	7,910	8.82	6,760	
5/31/2024	SR-4	3.48	13,300	3.19	9,780	3.74	8,600	5.71	8,750	27.10	20,800	
5/31/2024	SR-5	3.67	14,100	4.01	12,300	5.33	12,300	7.11	10,900	34.80	26,700	
5/31/2024	SR-6	9.77	37,400	9.24	28,300	15.30	35,200	39.20	60,100	144.00	110,000	
5/31/2024	SR-7	4.64	17,800	5.28	16,200	6.61	15,200	9.84	15,100	26.90	20,600	
5/31/2024	SR-8	5.86	22,500	6.26	19,200	7.09	16,300	10.70	16,400	36.00	27,600	
6/3/2024	SR-9	12.80	49,100	19.50	59,800	32.80	75,400	64.50	98,900	187.00	143,000	
6/3/2024	SR-10	8.69	33,300	12.00	36,800	18.50	42,500	37.50	57,500	96.20	73,700	
6/3/2024	SR-11	6.11	23,400	7.12	21,800	9.23	21,200	19.30	29,600	95.20	73,000	
6/3/2024	SR-12	3.93	15,100	4.12	12,600	4.87	11,200	6.69	10,300	15.60	12,000	
6/3/2024	SR-13	4.51	17,300	4.78	14,700	5.52	12,700	8.09	12,400	20.00	15,300	
6/3/2024	SR-14	2.09	8,010	2.26	6,930	2.50	5,750	3.43	5,260	7.51	5,760	
6/3/2024	SR-15	2.36	9,050	2.51	7,700	2.91	6,690	3.61	5,530	6.41	4,910	
6/3/2024	SR-16	2.04	7,820	2.32	7,110	2.64	6,070	3.62	5,550	8.46	6,490	
6/4/2024	SR-17	5.81	22,300	4.17	12,800	5.91	13,600	19.70	30,200	145.00	111,000	
6/4/2024	SR-18	5.40	20,700	5.89	18,100	5.19	11,900	15.40	23,600	88.20	67,600	
6/4/2024	SR-19	5.91	22,700	7.19	22,000	9.28	21,300	14.40	22,100	23.60	18,100	
6/4/2024	SR-20	3.08	11,800	3.13	9,600	3.29	7,570	3.98	6,100	6.80	5,210	
6/4/2024	SR-21	3.30	12,600	3.53	10,800	3.73	8,580	4.68	7,170	8.45	6,480	
6/4/2024	SR-22	3.09	11,800	3.09	9,470	3.37	7,750	3.97	6,090	7.45	5,710	
6/4/2024	SR-23	3.14	12,000	3.24	9,930	3.57	8,210	4.10	6,290	6.34	4,860	
6/4/2024	SR-24	2.89	11,100	3.04	9,320	3.41	7,840	4.23	6,490	11.90	9,120	

Notes:

See Field Soil Resistivity Photographs for Surface Cover Conditions

 $R = Resistance (\Omega)$ from field test data

A = Probe spacing in centimeters (cm)

 ρ = Resistivity (Ω •cm) calculated by formula: ρ = $2 \cdot \pi \cdot A \cdot R$, rounded to 3 significant figures

Survey Conditions	Weather	Temperature	Date of Last Rainfall
5/31/2024	Sunny	50-65 °F	5/27/2024
6/3/2024	Sunny	65-70 °F	5/27/2024
6/4/2024	Sunny	65-75 °F	5/27/2024





Figure 1: Survey Line SR-1



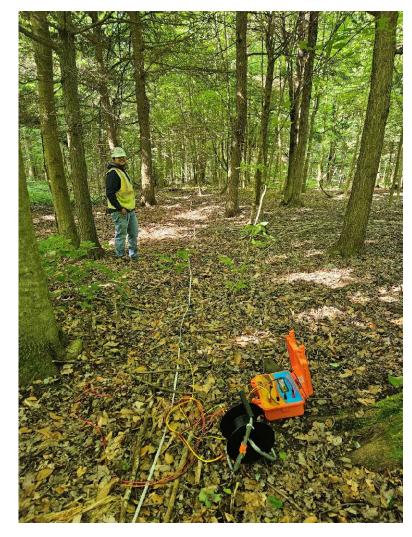


Figure 2: Survey Line SR-2



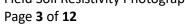


Figure 3: Survey Line SR-3





Figure 4: Survey Line SR-4



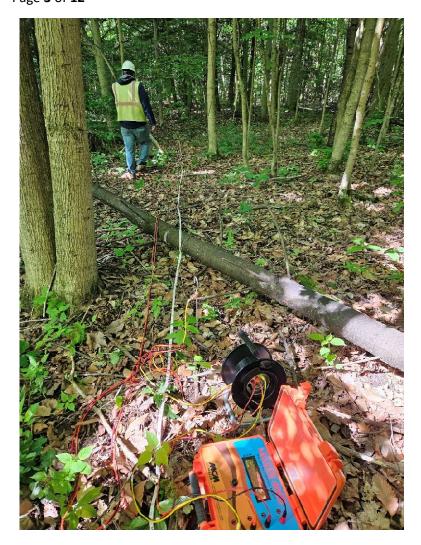


Figure 5: Survey Line SR-5





Figure 6: Survey Line SR-6

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Figure 7: Survey Line SR-7





Figure 8: Survey Line SR-8

Field Soil Resistivity Photographs Page **5** of **12**

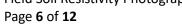


Figure 9: Survey Line SR-9





Figure 10: Survey Line SR-10



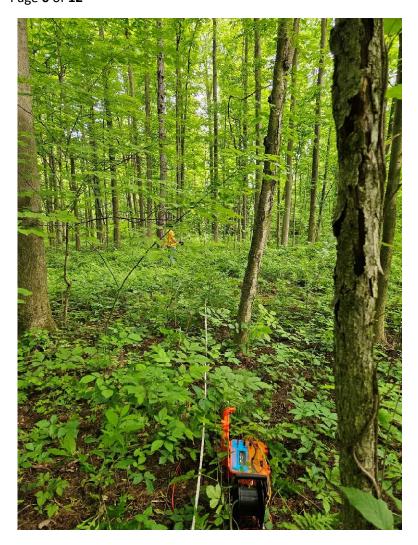


Figure 11: Survey Line SR-11





Figure 12: Survey Line SR-12

Field Soil Resistivity Photographs Page **7** of **12**







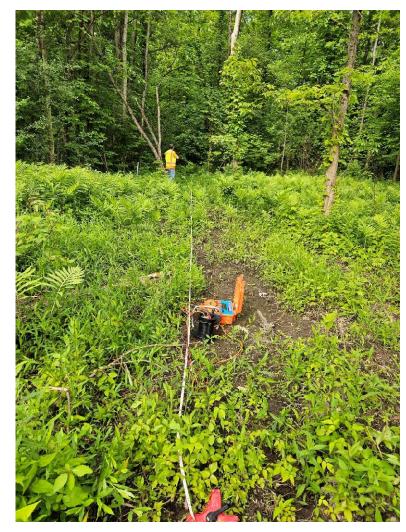


Figure 14: Survey Line SR-14

Field Soil Resistivity Photographs Page **8** of **12**



Figure 15: Survey Line SR-15 (picture taken after probes were packed up)





Figure 16: Survey Line SR-16

Field Soil Resistivity Photographs Page **9** of **12**



Figure 17: Survey Line SR-17





Figure 18: Survey Line SR-18

Field Soil Resistivity Photographs Page **10** of **12**



Figure 19: Survey Line SR-19





Figure 20: Survey Line SR-20

Field Soil Resistivity Photographs Page **11** of **12**



Figure 21: Survey Line SR-21



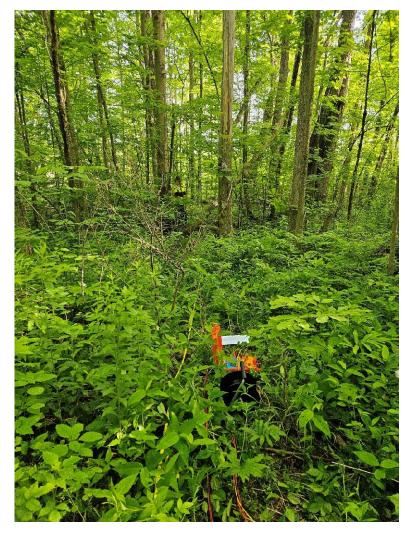


Figure 22: Survey Line SR-22

Field Soil Resistivity Photographs Page **12** of **12**

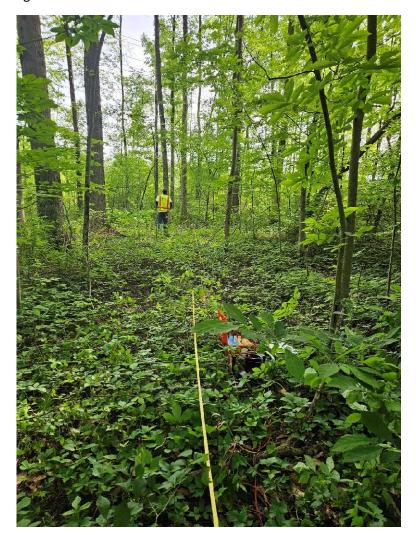


Figure 23: Survey Line SR-23



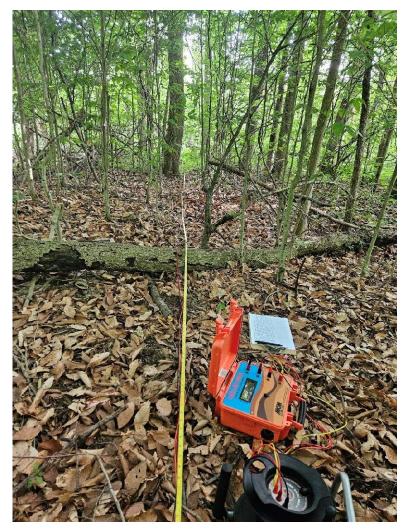
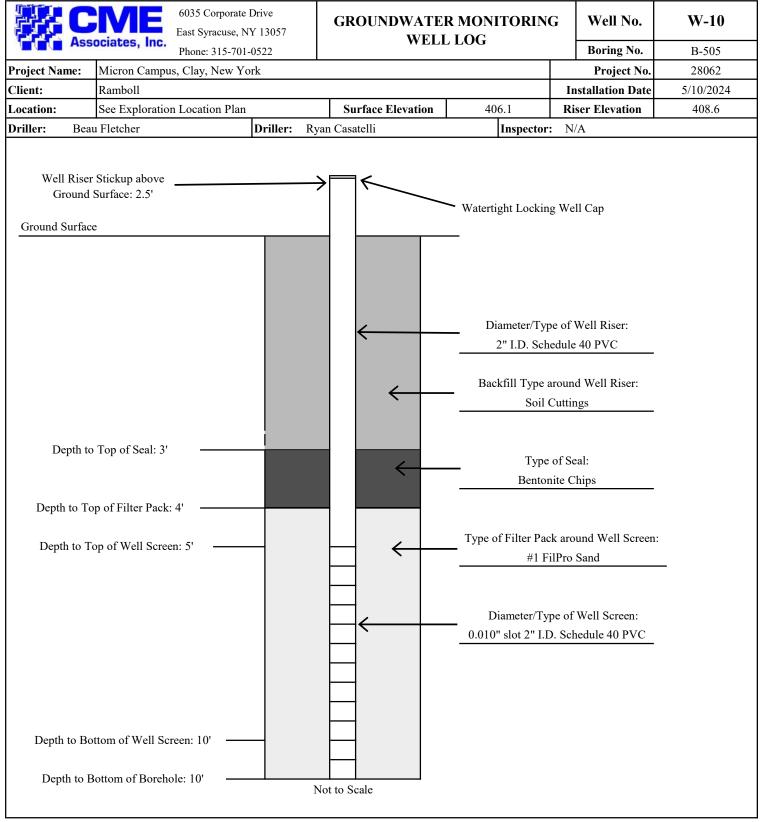


Figure 24: Survey Line SR-24

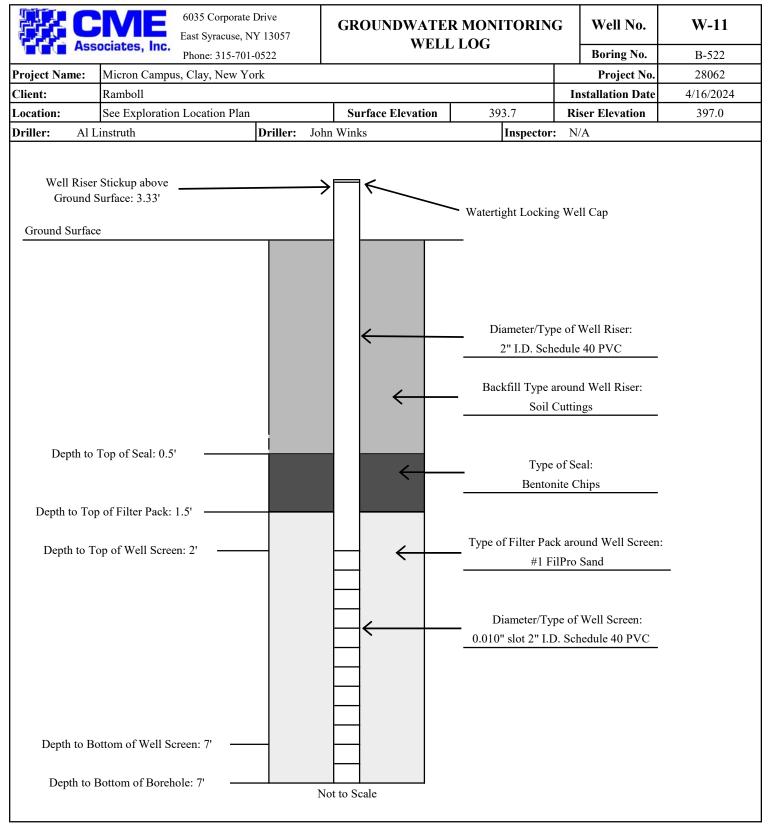
						Obse	rved Groun	dwater Ele	vation and	Depth Belov	w Grade (Fe	eet)							
Boring ID	B-129		B-129 B-24 B-227 B-337		337	B-:	B-391 B-370		B-400		B-420		B-422						
Elev. at																			
Grade (ft)	418.8 W-1				389.3 W-3		403.5 W-4		393 W-5		393.7 W-6		399.6 W-7		390.9 W-8		382		
WELL ID																	W	/ -9	
DATE	Elev.	Depth	Elev.	Depth	Elev.	Depth	Elev.	Depth	Elev.	Depth	Elev.	Depth	Elev.	Depth	Elev.	Depth	Elev.	Depth	
4/19/2023	418.7	0.1			385.5	3.8													
4/21/2023			393.8	0.8															
5/16/2023	416.1	2.7	392.5	2.1	385.7	3.6													
5/17/2023	416.0	2.8	391.8	2.8	386.4	2.9													
6/12/2023	414.6	4.2	386.8	7.8	385.3	4.0													
10/5/2023	415.2	3.6	389.2	5.4	386.4	2.9													
11/9/2023	416.4	2.4	394.2	0.4	386.2	3.1	398.4	5.1	392.3	0.7	388.7	5	398.5	1.1	388.7	2.2	379.4	2.6	
11/17/2023	417.8	1.0	394.4	0.2	387.1	2.2	398.9	4.6	392.1	0.9	389.8	3.9	398.5	1.1	386.7	4.2	377.0	5.00	
1/16/2024	418.0	0.8	394.0	0.6	388.8	0.5	401.8	1.7	392.6	0.4	391.1	2.6	398.8	0.8	389.3	1.6	377.9	4.1	
5/14/2024	417.9	0.9	394.4	0.3	388.7	0.6	400.5	3.1	392.5	0.5	390.4	3.3	398.8	0.8	389.6	1.4	380.9	1.1	
5/28/2024	415.9	2.9	391.5	3.1	387.1	2.2	400.0	3.6	391.3	1.7	389.1	4.6	397.2	2.4	385.3	5.6	379.4	2.6	
7/11/2024	418.5	0.3	394.3	0.3	388.3	1.0	398.7	4.8	392.3	0.7	388.1	5.6	398.9	0.7	388.5	2.4	381.0	1.0	
Boring ID	B-	505	B-:	522	B-!	546	В-	557	B-564		B-604		B-618		B-676		B-683		
Elev. at																			
Grade (ft)	406.1		39	3.7	39	4.5	3	82	38	380.8		391.4		392.7		404.3		394.8	

Grade (ft) 380.8 W-12 W-13 W-18 W-10 W-11 W-14 W-16 W-17 W-19 WELL ID Depth Depth Depth Depth Elev. Depth Depth DATE Elev. Elev. Depth Elev. Elev. Elev. Depth Elev. Elev. Depth Elev. 5/14/2024 381.6 391.0 405.9 0.3 390.2 3.5 391.2 3.3 0.4 380.6 0.2 0.4 392.1 0.6 400.3 4.0 392.7 2.1 5/28/2024 392.0 380.3 389.1 391.1 398.6 5.7 405.0 1.1 389.5 4.2 388.4 6.1 1.7 379.8 1.1 2.3 1.6 2.8 7/11/2024 405.4 2.8 9.2 390.0 397.2 393.1 0.7 390.9 385.3 381.1 0.9 380.4 0.4 1.4 391.9 8.0 7.1 1.7

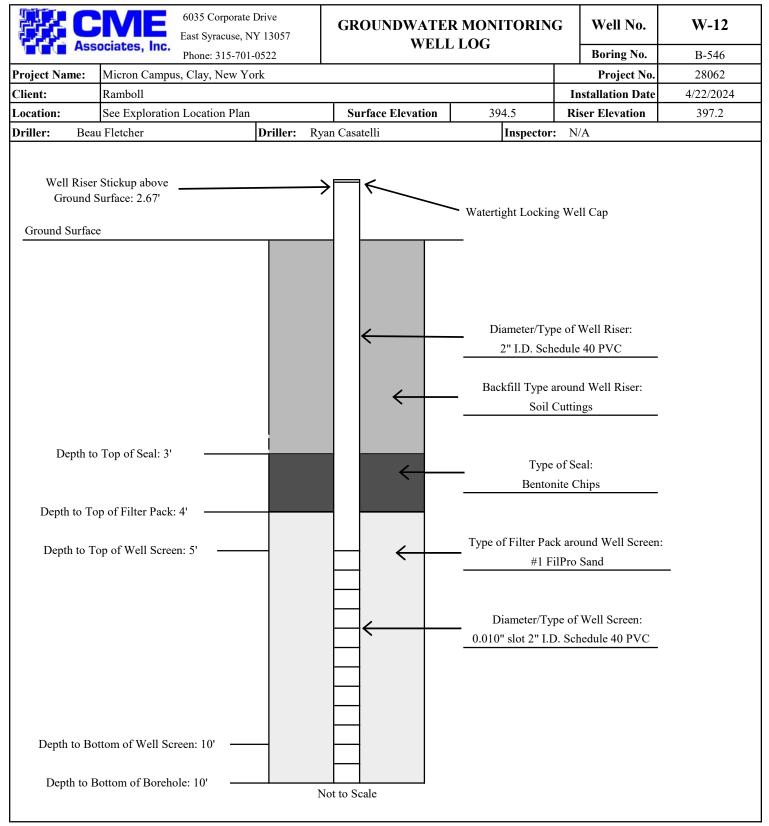
Note: Groundwater Observation Well W-15 was not installed due to access restrictions.



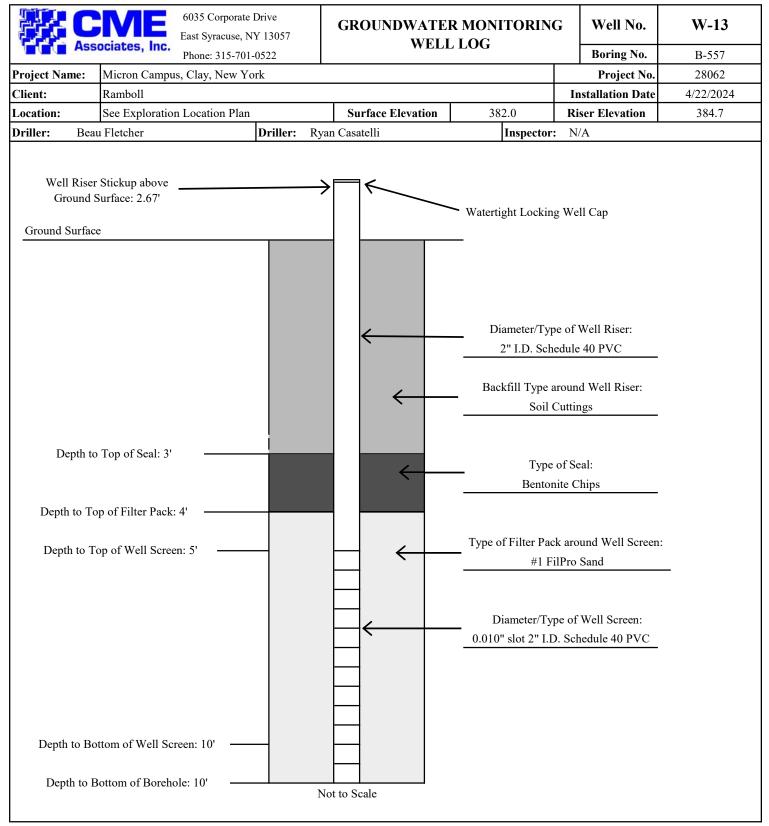
1. See Test Boring Log B-505 for soil information.



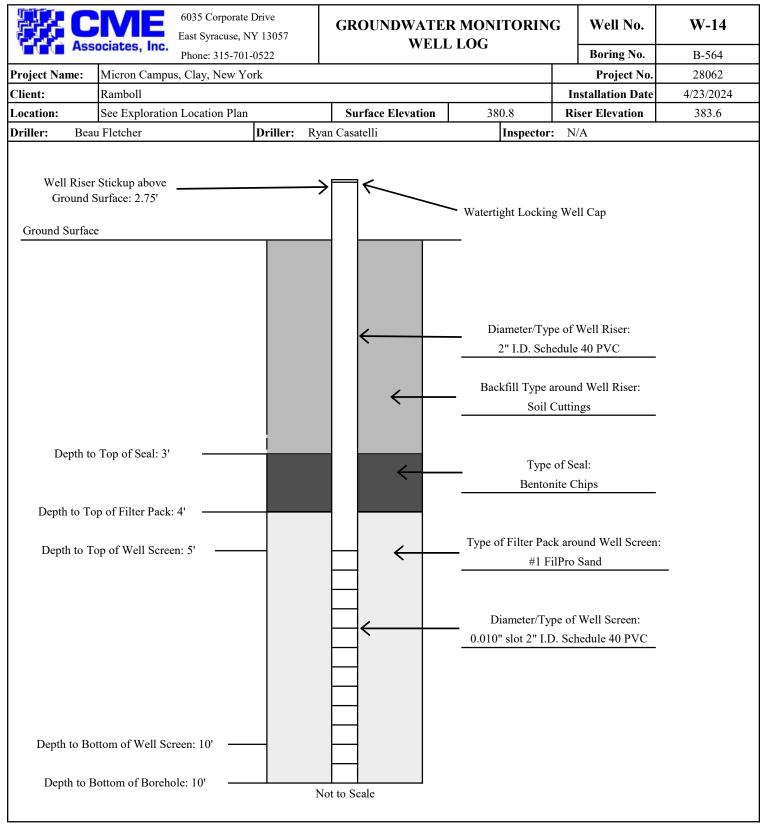
1. See Test Boring Log B-522 for soil information.



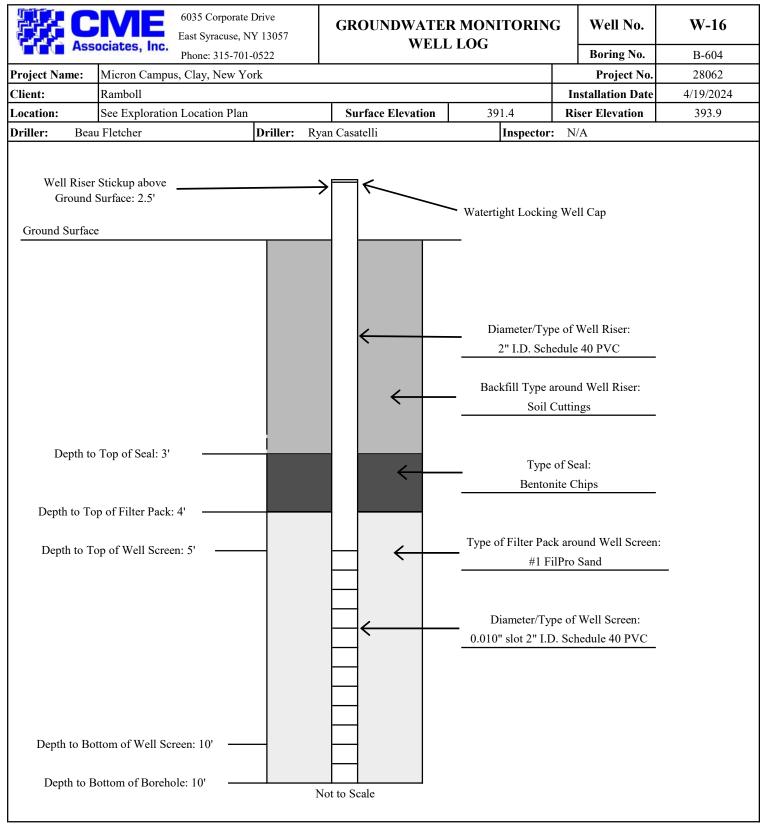
1. See Test Boring Log B-546 for soil information.



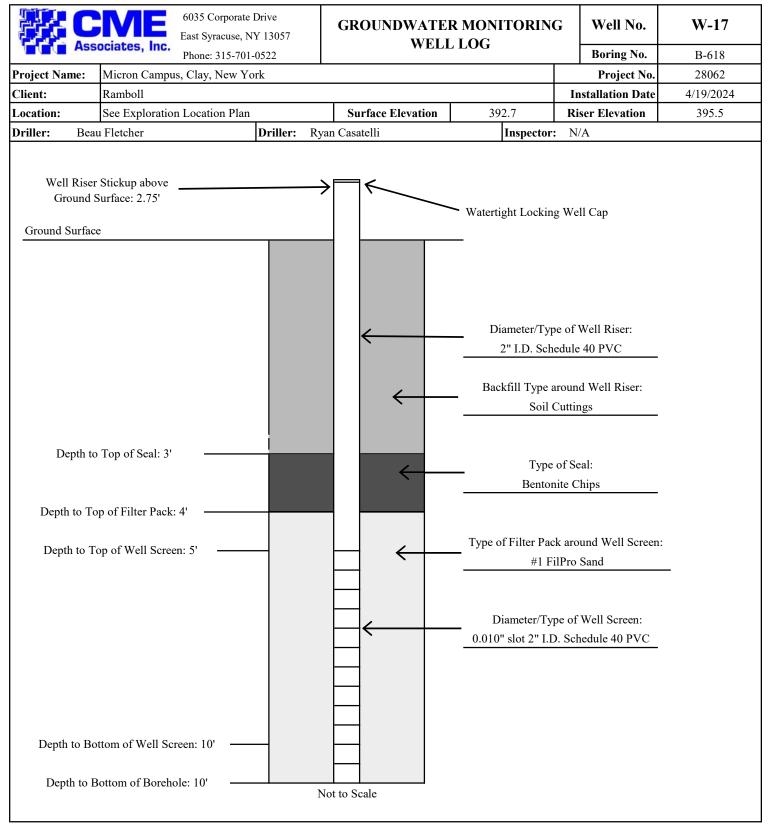
1. See Test Boring Log B-557 for soil information.



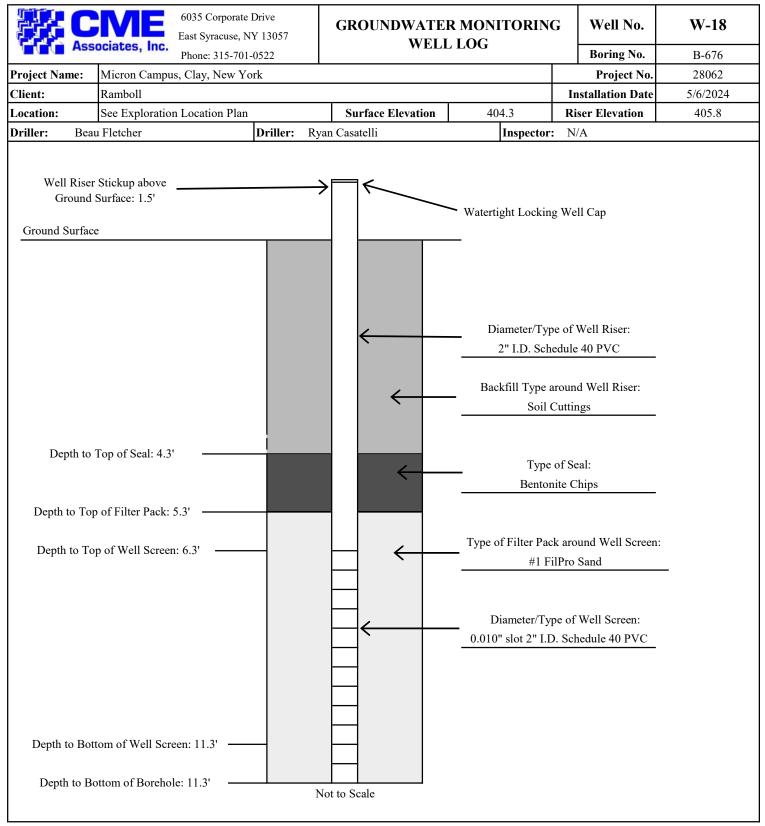
1. See Test Boring Log B-564 for soil information.



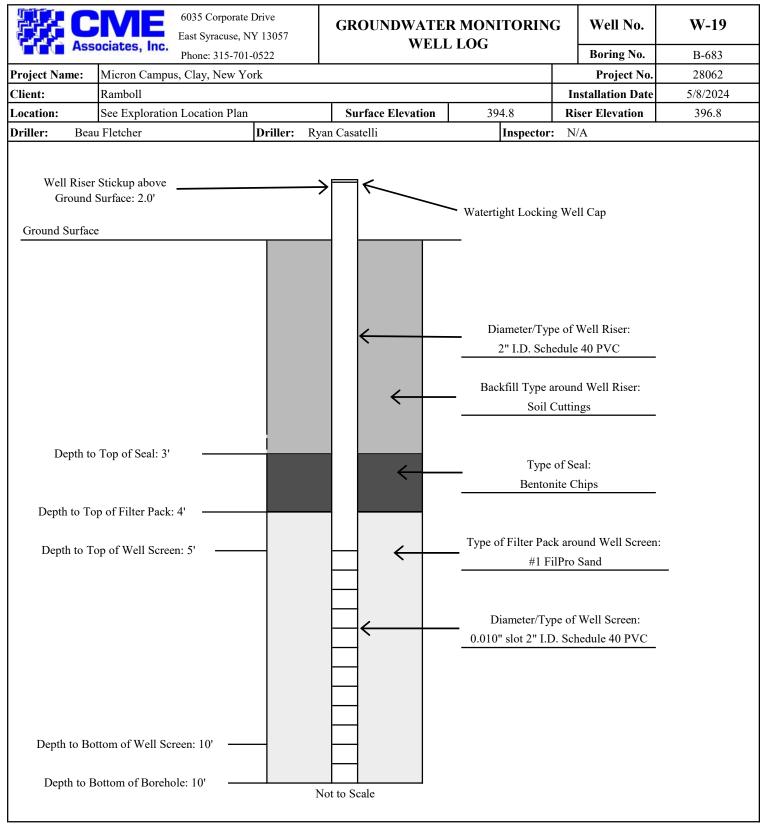
1. See Test Boring Log B-604 for soil information.



1. See Test Boring Log B-618 for soil information.



1. See Test Boring Log B-676 for soil information.



1. See Test Boring Log B-683 for soil information.

CME Project No: 28062



Photograph 1

Boring:

B-511

Run 1

Depth

15.0' - 20.0'

See Photographs Nos. 2 and 3 for detailed views.



Photograph 2

B-511

Run 1

Top

Depth

15.0' - 17.5'



Photograph 3

B-511

Run 1

Bottom

Depth

17.5' - 20.0'

CME Project No: 28062



Photograph 4

Boring:

B-511

Run 2

Depth

20.0' - 25.0'

See Photographs Nos. 5 and 6 for detailed views.



Photograph 5

B-511

Run 2

Top

Depth

20.0' - 22.5'



Photograph 6

B-511

Run 2

Bottom

Depth

22.5' - 25.0'

CME Project No: 28062



Photograph 7

Boring:

B-518

Run 1

Depth

14.4' - 19.4'

See Photographs Nos. 8 and 9 for detailed views.



Photograph 8

B-518

Run 1

Top

Depth

14.4' - 16.9'



Photograph 9

B-518

Run 1

Bottom

Depth

16.9' - 19.4'

CME Project No: 28062



Photograph 10

Boring:

B-518

Run 2

Depth 19.4' - 24.4'

See Photographs Nos. 11 and 12 for detailed views.



Photograph 11

B-518

Run 2

Top

Depth

19.4' - 21.9'



Photograph 12

B-518

Run 2

Bottom

Depth

21.9' - 24.4'

CME Project No: 28062



Photograph 13

Boring:

B-520

Run 1

Depth

29.1' - 34.1'

See Photographs Nos. 14 and 15 for detailed views.



Photograph 14

B-520

Run 1

Top

Depth

29.1' - 31.6'



Photograph 15

B-520

Run 1

Bottom

Depth

31.6' - 34.1'

CME Project No: 28062



Photograph 16

Boring

B-520

Run 2

Depth 34.1' -39.1' See Photographs Nos. 17 and 18 for detailed views.



Photograph 17

B-520

Run 2

Top

Depth

34.0' - 36.6'



Photograph 18

B-520

Run 2

Bottom

Depth

36.6' - 39.1'

CME Project No: 28062



Photograph 19

Boring

B-523

Run 1

Depth 7.2' - 12.2'

See Photographs Nos. 20 and 21 for detailed views.



Photograph 20

B-523

Run 1

Top

Depth

7.2' - 9.7'



Photograph 21

B-523

Run 1

Bottom

Depth

9.7' - 12.2'

CME Project No: 28062



Photograph 22

Boring

B-523

Run 2

Depth 12.2' - 17.2'

See Photographs Nos. 23 and 24 for detailed views.



Photograph 23

B-523

Run 2

Top

Depth

pth 12.2' - 14.7'



Photograph 24

B-523

Run 2

Bottom

Depth

14.7' -17.2'

CME Project No: 28062



Photograph 25

Boring

B-526

Run 1

Depth 13.5' - 18.5'

See Photographs Nos. 26 and 27 for detailed views.



Photograph 26

B-526

Run 1

Top

Depth

13.5' - 16.0'



Photograph 27

B-526

Run 1

Bottom

Depth

16.0' - 18.5'

CME Project No: 28062



Photograph 28

Boring

B-526

Run 2

Depth 18.5' - 23.5'

See Photographs Nos. 29 and 30 for detailed views.



Photograph 29

B-526

I

Run 2

Top

Depth

18.5' - 21.0'



Photograph 30

B-526

Run 2

Bottom

Depth

21.0' - 23.5'

CME Project No: 28062



Photograph 31

Boring

B-532

Run 1

Depth 24.0' - 29.0'

See Photographs Nos. 32 and 33 for detailed views.



Photograph 32

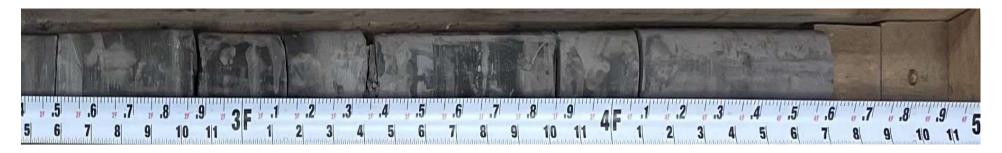
B-532

Run 1

Top

Depth

24.0' - 26.5'



Photograph 33

B-532

Run 1

Bottom

Depth

26.5' - 29.0'

CME Project No: 28062



Photograph 34

Boring:

B-532

Run 2

Depth

29.0' - 34.0'

See Photographs Nos. 35 and 36 for detailed views.



Photograph 35

B-532

Run 2

Top

Depth

29.0 - 31.5'



Photograph 36

B-532

Run 2

Bottom

Depth

31.5' - 34.0'

CME Project No: 28062



Photograph 37

Boring:

B-536

Run 1

Depth

16.0' - 21.0'

See Photographs Nos. 38 and 39 for detailed views.



Photograph 38

B-536

Run 1

Top

Depth

16.0' - 18.5'



Photograph 39

B-536

Run 1

Bottom

Depth

18.5' - 21'

CME Project No: 28062



Photograph 40

Boring:

B-536

Run 2

Depth 21.0-' 26.0'

See Photographs Nos. 41 and 42 for detailed views.



Photograph 41

B-536

Run 2

2

Top

Depth

21.0' - 23.5'



Photograph 42

B-536

Run 2

Bottom

Depth

23.5' - 26.0'

CME Project No: 28062



Photograph 43

Boring

B-543

Run 1

20.2' -25.2' Depth

See Photographs Nos. 44 and 45 for detailed views.



Photograph 44

B-543

Run 1

Top

Depth

20.2' - 22.7'



Photograph 45

B-543

Run 1

Bottom

Depth

22.7' - 25.2'

CME Project No: 28062



Photograph 46

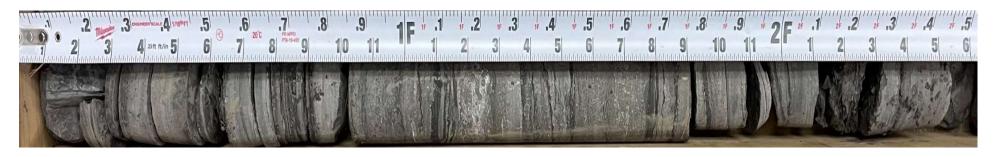
Boring

B-543

Run 2

Depth 25.2' - 30.2'

See Photographs Nos. 47 and 48 for detailed views.



Photograph 47

B-543

R

Run 2

Top

Depth

25.2' - 27.9'



Photograph 48

B-543

Run 2

Bottom

Depth

27.9' - 30.2'

CME Project No: 28062



Photograph 49

Boring

B-544

Run 1

Depth

15.5' - 20.5'

See Photographs Nos. 50 and 51 for detailed views.



Photograph 50

B-544

Run 1

Top

Depth

15.5' - 18.0'



Photograph 51

B-544

Run 1

Bottom

Depth

18.0' -20.5'

CME Project No: 28062



Photograph 52

Boring

B-544

Run 2

Depth 20.5' - 25.5'

See Photographs Nos. 53 and 54 for detailed views.



Photograph 53

B-544

Run 2

Top

Depth

20.5' - 23.0'



Photograph 54

B-544

Run 2

Bottom

Depth

23.0' - 25.5'

CME Project No: 28062



Photograph 55

Boring

B-545

Run 1

Depth 25.7' - 30.7' See Photographs Nos. 56 and 57 for detailed views.



Photograph 56

B-545

Run 1

Top

Depth

25.7' - 28.2'



Photograph 57

B-545

Run 1

Bottom

Depth

28.2' - 30.7'

CME Project No: 28062



Photograph 58

Boring

B-545

Run 2

Depth

30.7' - 35.7'

See Photographs Nos. 59 and 60 for detailed views.



Photograph 59

B-545

Run 2

Top

Depth

30.7' - 33.2'



Photograph 60

B-545

Run 2

Bottom

Depth

33.2' - 35.7'

Attachment to CME Report No: 28062B-01-0624



Photograph 61 Boring: B-547 Run 1 Depth 21.0' - 26.0' See Photographs Nos. 62 and 63 for detailed views.



Photograph 62 B-547 Run 1 Top Depth 21.0' - 23.5'



Photograph 63 B-547 Run 1 Bottom Depth 23.5' - 26.0'

Attachment to CME Report No: 28062B-01-0624



Photograph 64

Boring:

B-547

Run 2

Depth 26.0' - 31.0'

See Photographs Nos. 65 and 66 for detailed views.



Photograph 65

B-547

Run 2

2

Top

Depth

26.0' - 28.5'



Photograph 66

B-547

Run 2

Bottom

Depth

28.5' - 31.0'

Attachment to CME Report No: 28062B-01-0624



Photograph 67 Boring: B-549 Run 1 Depth 25.1' - 30.1' See Photographs Nos. 68 and 69 for detailed views.



Photograph 68 B-549 Run 1 Top Depth 25.1' - 27.6'



Photograph 69 B-549 Run 1 Bottom Depth 27.6' - 30.1'

Attachment to CME Report No: 28062B-01-0624



Photograph 70

Boring:

B-549

Run 2

Depth

30.1' - 35.1'

See Photographs Nos. 71 and 72 for detailed views.



Photograph 71

B-549

Run 2

2

Top

Depth 30.1' - 32.6'



Photograph 72

B-549

Run 2

Bottom

Depth

32.6' - 35.1'

Attachment to CME Report No: 28062B-01-0624



Photograph 73

Boring:

B-561

Run 1

Depth 20.4' - 25.4'

See Photographs Nos. 74 and 75 for detailed views.



Photograph 74

B-561

Run 1

Top

)

Depth

20.4' - 22.9'



Photograph 75

B-561

Run 1

Bottom

Depth

22.9.' - 25.4'

Attachment to CME Report No: 28062B-01-0624



Photograph 76

Boring

B-561

Run 2

Depth 25.4' -30.4'

See Photographs Nos. 77 and 78 for detailed views.



Photograph 77

B-561

Run 2

Top

Depth

25.4' - 27.9'



Photograph 78

B-561

Run 2

Bottom

Depth

27.9' - 30.4'

Attachment to CME Report No: 28062B-01-0624



Photograph 79

Boring

B-565

Run 1

Depth 18.0' - 23.0'

See Photographs Nos. 80 and 81 for detailed views.



Photograph 80

B-565

Run 1

1 Top

,

18.0' - 20.5'



Photograph 81

B-565

Run 1

Bottom

Depth

Depth

20.5' - 23.0'

Attachment to CME Report No: 28062B-01-0624



Photograph 82

Boring

B-565

Run 2

Depth

23.0' - 28.0'

See Photographs Nos. 83 and 84 for detailed views.



Photograph 83

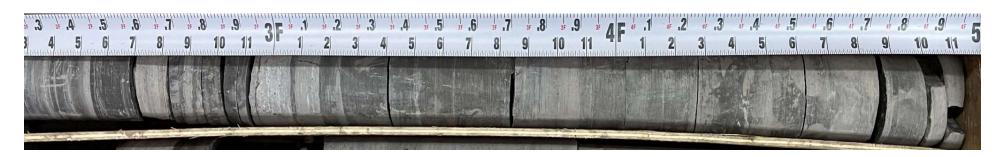
B-565

Run 2

Top

Depth

23.0' - 25.5'



Photograph 84

B-565

Run 2

Bottom

1

Depth

25.5' -28.0'

Attachment to CME Report No: 28062B-01-0624



Photograph 85

Boring

B-571

Run 1

Depth

9.5' - 14.5'

See Photographs Nos. 86 and 87 for detailed views.



Photograph 86

B-571

Run 1

Top

Depth

9.5' - 12.0'



Photograph 87

B-571

Run 1

Bottom

Depth

12.0' - 14.5'

Attachment to CME Report No: 28062B-01-0624



Photograph 88

Boring

B-571

Run 2

Depth

14.5' - 19.5'

See Photographs Nos. 89 and 90 for detailed views.



Photograph 89

B-571

Run 2

Top

Depth

14.5' - 17.0'



Photograph 90

B-571

Run 2

Bottom

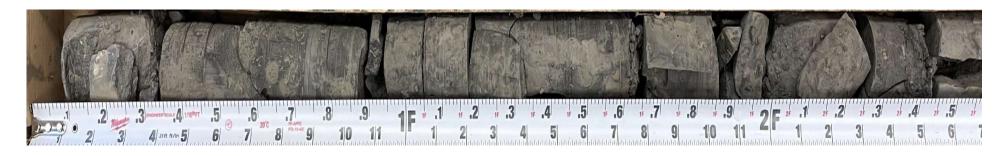
Depth

17.0' - 19.5'

Attachment to CME Report No: 28062B-01-0624



Photograph 91 Boring B-585 Run 1 Depth 11.0' - 16.0' See Photographs Nos. 92 and 93 for detailed views.



Photograph 92 B-585 Run 1 Top Depth 11.0' - 13.5'



Photograph 93 B-585 Run 1 Bottom Depth 13.5' - 16.0'

Attachment to CME Report No: 28062B-01-0624



Photograph 94

Boring:

B-585

Run 2

Depth 16.0' - 21.0' See Photographs Nos. 95 and 96 for detailed views.



Photograph 95

B-585

Run 2

Top

Depth

16.0 - 18.5'



Photograph 96

B-585

Run 2

Bottom

Depth

18.5' - 21.0'

Attachment to CME Report No: 28062B-01-0624



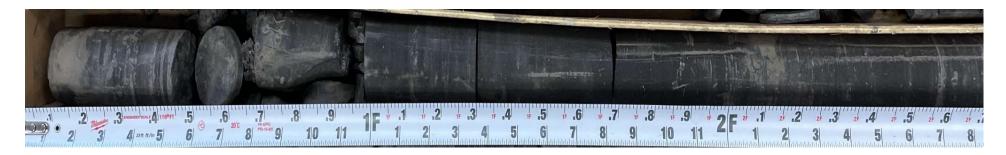
Photograph 97

Boring:

B-588

Run 1

Depth 11.0' - 16.0' See Photographs Nos. 98 and 99 for detailed views.



Photograph 98

B-588

Run 1

Top

Depth

11.0' - 13.5'



Photograph 99

B-588

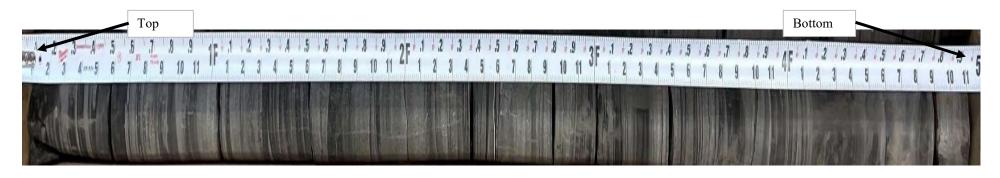
Run 1

Bottom

Depth

13.5' - 16.0'

Attachment to CME Report No: 28062B-01-0624



Photograph 100

Boring:

B-588

Run 2

Depth 16.0-' 21.0'

See Photographs Nos. 101 and 102 for detailed views.



Photograph 101

B-588

Run 2

Top

Depth

16.0' - 18.5'



Photograph 102

B-588

Run 2

Bottom

Depth

18.5' - 21.0'

Attachment to CME Report No: 28062B-01-0624



Photograph 103

Boring

B-594

Run 1

Depth 19.5' -24.5'

See Photographs Nos. 104 and 105 for detailed views.



Photograph 104

B-594

Run 1

1 1

Top

Depth

19.5' - 22.0'



Photograph 105

B-594

Run 1

Bottom

Depth

22.0' - 24.5'

Attachment to CME Report No: 28062B-01-0624



Photograph 106

Boring

B-594

Run 2

Depth

24.5' - 29.5'

See Photographs Nos. 107 and 108 for detailed views.



Photograph 107

B-594

Run 2

n 2

Top

Depth

24.5' - 27.0'



Photograph 108

B-594

Run 2

Bottom

Depth

27.0' - 29.5'

Attachment to CME Report No: 28062B-01-0624



Photograph 109

Boring

B-595

Run 1

18.6' - 23.6' Depth

See Photographs Nos. 110 and 111 for detailed views.



Photograph 110

B-595

Run 1

Top

Depth

18.6' - 21.1'



Photograph 111

B-595

Run 1

Bottom

Depth

21.1' -23.6'

Attachment to CME Report No: 28062B-01-0624



Photograph 112

Boring

B-595

Run 2

Depth 23.6' - 28.6'

See Photographs Nos. 113 and 114 for detailed views.



Photograph 113

B-595

Run 2

Top

Depth

23.6 - 26.1



Photograph 114

B-595

Run 2

Bottom

Depth

26.1' - 28.6'

Attachment to CME Report No: 28062B-01-0624



Photograph 115

Boring

B-602

Run 1

Depth 21.8' - 26.8'

See Photographs Nos. 116 and 117 for detailed views.



Photograph 116

B-602

Run 1

Top

Depth 21.8' - 24.3'



Photograph 117

B-602

Run 1

Bottom

Depth

24.3' - 26.8'

Attachment to CME Report No: 28062B-01-0624



Photograph 118

Boring

B-602

Run 2

Depth

26.8' - 31.8'

See Photographs Nos. 119 and 120 for detailed views.



Photograph 119

B-602

Run 2

Top

Depth

26.8' - 29.3'



Photograph 120

B-602

Run 2

Bottom

Depth

28.3' - 31.8'

Attachment to CME Report No: 28062B-01-0624



Photograph 121 Boring: B-604 Run 1 Depth 25.0' - 30.0' See Photographs Nos. 122 and 123 for detailed views.



Photograph 122 B-604 Run 1 Top Depth 25.0' - 27.5'



Photograph 123 B-604 Run 1 Bottom Depth 27.5' - 30.0'

Attachment to CME Report No: 28062B-01-0624



Photograph 124

Boring:

B-604

Run 2

Depth 30.0' - 35.0'

See Photographs Nos. 125 and 126 for detailed views.



Photograph 125

B-604

Run 2

Top

Depth

30.0' - 32.5'



Photograph 126

B-604

Run 2

Bottom

Depth

32.5' - 35.0'

Attachment to CME Report No: 28062B-01-0624



Photograph 127 Boring: B-612 Run 1 Depth 23.6' - 28.6' See Photographs Nos. 128 and 129 for detailed views.

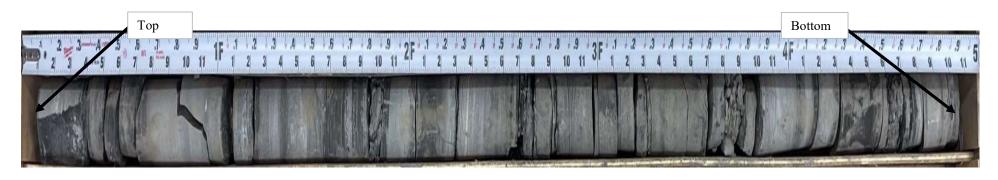


Photograph 128 B-612 Run 1 Top Depth 23.6' - 26.1'



Photograph 129 B-612 Run 1 Bottom Depth 26.1' - 28.6'

Attachment to CME Report No: 28062B-01-0624



Photograph 130

Boring:

B-612

Run 2

Depth 28.6' - 33.6'

See Photographs Nos. 131 and 132 for detailed views.



Photograph 131

B-612

Run 2

Top

Depth

28.6' - 31.1'



Photograph 132

B-612

Run 2

Bottom

Depth

31.1' - 33.6'

Attachment to CME Report No: 28062B-01-0624



Photograph 133 Boring: B-616 Run 1 Depth 24.2' - 29.2' See Photographs Nos. 134 and 135 for detailed views.



Photograph 134 B-616 Run 1 Top Depth 24.2' - 26.7'



Photograph 135 B-616 Run 1 Bottom Depth 26.7' - 29.2'

Attachment to CME Report No: 28062B-01-0624



Photograph 136

Boring

B-616

Run 2

Depth 29.2' -34.2'

See Photographs Nos. 137 and 138 for detailed views.



Photograph 137

B-616

Run 2

Top

Depth

29.2' - 31.7'



Photograph 138

B-616

Run 2

Bottom

Depth

31.7' - 34.2'

Attachment to CME Report No: 28062B-01-0624



Photograph 139

Boring

B-624

Run 1

Depth 24.1' - 29.1'

See Photographs Nos. 140 and 141 for detailed views.



Photograph 140

B-624

Run 1

Top

Depth

24.1' - 26.6'



Photograph 141

B-624

Run 1

Bottom

Depth

26.6' - 29.1'

Attachment to CME Report No: 28062B-01-0624



Photograph 142

Boring

B-624

Run 2

Depth 29.1' - 34.1'

See Photographs Nos. 143 and 144 for detailed views.



Photograph 143

B-624

Run 2

Top

Depth

29.1' - 31.6'



Photograph 144

B-624

Run 2

Bottom

Depth

31.6' - 34.1'

Attachment to CME Report No: 28062B-01-0624



Photograph 145

Boring

B-625

Run 1

Depth 16.0' - 21.0'

See Photographs Nos. 146 and 147 for detailed views.



Photograph 146

B-625

Run 1

Top

Depth

16.0' - 18.5'



Photograph 147

B-625

Run 1

Bottom

Depth

18.5' - 21.0'

Attachment to CME Report No: 28062B-01-0624



Photograph 148

Boring

B-625

Run 2

Depth 21.0' - 26.0'

See Photographs Nos. 149 and 150 for detailed views.



Photograph 149

B-625

Run 2

Top

Depth

21.0' - 23.5'



Photograph 150

B-625

Run 2

Bottom

Depth

23.5' - 26.0'

Attachment to CME Report No: 28062B-01-0624



Photograph 151

Boring

B-630

Run 1

Depth 22.0' - 27.0' See Photographs Nos. 152 and 153 for detailed views.



Photograph 152

B-630

Run 1

Top

Depth

22.0' - 24.5'



Photograph 153

B-630

Run 1

Bottom

Depth

24.5' - 27.0'

Attachment to CME Report No: 28062B-01-0624



Photograph 154

Boring:

B-630

Run 2

Depth

27.0' - 32.0'

See Photographs Nos. 155 and 156 for detailed views.



Photograph 155

B-630

Run 2

Top

Depth

27.0 - 29.5'



Photograph 156

B-630

Run 2

Bottom

Depth

29.5' - 32.0'

Attachment to CME Report No: 28062B-01-0624



Photograph 157

Boring:

B-632

Run 1

Depth 22.0' - 27.0' See Photographs Nos. 158 and 159 for detailed views.



Photograph 158

B-632

Run 1

Top

Depth

22.0' - 24.5'



Photograph 159

B-632

Run 1

Bottom

Depth

24.5' - 27.0'

Attachment to CME Report No: 28062B-01-0624



Photograph 160

Boring:

B-632

Run 2

Depth

27.0' - 32.0'

See Photographs Nos. 161 and 162 for detailed views.



Photograph 161

B-632

 $Run\ 2$

Top

Depth

27.0' - 29.5'



Photograph 162

B-632

Run 2

Bottom

Depth

29.5' - 32.0'

Attachment to CME Report No: 28062B-01-0624



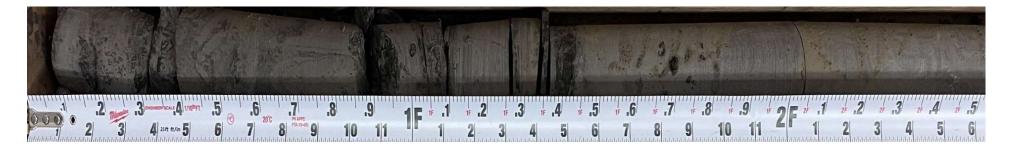
Photograph 163

Boring

B-664

Run 1

Depth 25.1' - 30.1' See Photographs Nos. 164 and 165 for detailed views.



Photograph 164

B-664

Run 1

Top

Depth 25.1' - 27.6'



Photograph 165

B-664

Run 1

Bottom

Depth

27.6' - 30.1'

Attachment to CME Report No: 28062B-01-0624



Photograph 166

Boring

B-664

Run 2

Depth 30.1' - 35.1'

See Photographs Nos. 167 and 168 for detailed views.



Photograph 167

B-664

Run 2

Top

Depth

30.1' - 32.6'



Photograph 168

B-664

Run 2

Bottom

Depth

32.6' - 35.1'

Attachment to CME Report No: 28062B-01-0624



Photograph 169

Boring

B-669

Run 1

Depth

13.2' - 18.2'

See Photographs Nos. 170 and 171 for detailed views.



Photograph 170

B-669

Run 1

Top

Depth

13.2' - 15.7'



Photograph 171

B-669

Run 1

Bottom

Depth

15.7' - 18.2'

Attachment to CME Report No: 28062B-01-0624



Photograph 172

Boring

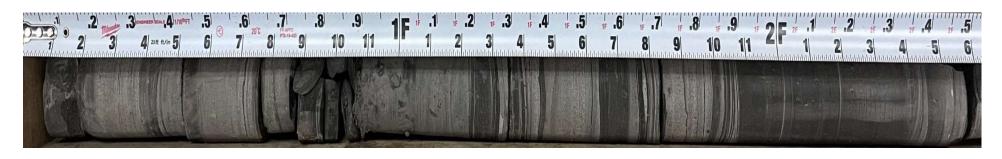
B-669

Run 2

Depth

18.2' - 23.2'

See Photographs Nos. 173 and 174 for detailed views.



Photograph 173

B-669

Run 2

Top

Depth

18.2' - 20.7'



Photograph 174

B-669

Run 2

Bottom

Depth

20.7' - 23.2'

Attachment to CME Report No: 28062B-01-0624



Photograph 175

Boring

B-675

Run 1

Depth

10.5' - 15.5'

See Photographs Nos. 176 and 177 for detailed views.



Photograph 176

B-675

Run 1

1 1

Top

Depth

10.5' - 13.0'



Photograph 177

B-675

Run 1

Bottom

Depth

13.0' - 15.5'

Attachment to CME Report No: 28062B-01-0624



Photograph 178

Boring

B-675

Run 2

Depth

15.5' - 20.5'

See Photographs Nos. 179 and 180 for detailed views.



Photograph 179

B-675

Run 2

Top

Depth

15.5' - 18.0'



Photograph 180

B-675

Run 2

Bottom

Depth

18.0' - 20.5'

Attachment to CME Report No: 28062B-01-0624



Photograph 181

Boring

B-688

Run 1

Depth 16.0' - 21.0'

See Photographs Nos. 182 and 183 for detailed views.



Photograph 182

B-688

F

Run 1

Top

Depth

16.0' - 18.5'



Photograph 183

B-688

Run 1

Bottom

n

Depth

18.5' - 21.0'

Attachment to CME Report No: 28062B-01-0624



Photograph 184

Boring

B-688

Run 2

Depth

21.0' - 26.0'

See Photographs Nos. 185 and 186 for detailed views.



Photograph 185

B-688

Run 2

Top

Depth

21.0' - 23.5'



Photograph 186

B-688

Run 2

Bottom

Depth

23.5' - 26.0'

Remarks:

15

16

17

18

Remarks:

15

16

17

18

Remarks:

15

16

17

18

15

16

17

18

15

16

17

18

medium compact)

No Recovery - Split Spoon Refusal

Continued on Page 2

Grey/Brown/Red mf GRAVEL, little cmf SAND, little SILT (wet,

12

50+

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

3-5-7

50@0"

SS/14

SS/0

15.0

18.5

18.5

Remarks:

6

7

14

15

16

17

18

19

13.5

6035 Corporate Drive
East Syracuse, NY 13057
Associates, Inc.
Phone: 315-701-0522

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-501

 Page No.
 2 of 2

 Project No.
 28062

Associates, Inc. Phone: 315-701-0522 LOG OF BORING SAMPLES							LEST BURING I	LUG	Project No.	280	062
						VISUAL CLASSIFICATION OF MATERIAL					
Depth Scale (Feet)	Sample No.	Sample	Sample Depth (Ft.)		Blows on Sampler Per 6 Inches	Depth of Change (Ft.)	c - coarse m - medium f - fine	and - 35 to 50% / some - 20 to 35% little - 10 to 20% / trace - 0 to 10%			SPT "N" or RQD %
20							Continued from Page 1				·
21											
22											
23	8	23.5	23.7	SS/2	50@2"		Grey cmf GRAVEL, little	cmf SAND, trace	SILT (moist, very		50+
24							compact) Bottom of Boring @ 23.7				
25											
26											
27											
28											
29											
30											
31											
33											
34											
35	1										
36											
37											
38											
39	_										
40											
42											
43											
44											
45	1										

Light Grey SILT, some cmf SAND, trace fine GRAVEL (moist,

50 +

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

hard)

Auger Refusal @ 20.4'
Bottom of Boring @ 20.4'

27-30-50@4"

Remarks:

15

16

17

18

19

7

19.8

18.5

SS/18

No Recovery - Split Spoon Refusal

Bottom of Boring @ 18.5'

50+

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

50@0"

Remarks:

15

16

17

18

19

7

18.5

18.5

SS/0

Grey SILT, some cmf SAND, trace fine GRAVEL (wet, stiff)

Grey SILT, some cmf SAND, little cmf GRAVEL (moist, hard)

Continued on Page 2

14

50+

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

2-4-10

44-50@4"

SS/12

SS/12

15.0

19.3

6

7

14

15

16

17

18

19

13.5

18.5

6035 Corporate Drive
East Syracuse, NY 13057
Associates, Inc. Phone: 315-701-0522

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-504

 Page No.
 2 of 2

 Project No.
 28062

	Ass	ociates	s, Inc.	Phone: 3	315-701-0522		TEST BORING I	10 0	Project No.	28	062
					AMPLES		VISUAL CLASS	SIFICATION (OF MATERIAL	1	
Depth Scale (Feet)	Sample No.		Depth (t.)	Type / Sample Rec. (in.)	Blows on Sampler Per 6 Inches	Depth of Change (Ft.)	c - coarse m - medium f - fine		0% / some - 20 to 35% 20% / trace - 0 to 10%		SPT "N" or RQD %
20							Continued from Page 1				
21											
22											
23											
24	8	23.5	23.8	SS/4	50@4"		Grey SILT, some cmf SAN Bottom of Boring @ 23.8'	ND, trace fine GR	AVEL (moist, hard	l)	50+
25											
26											
27											
28											
29											
30											
31											
32											
33											
34											
35											
36											
37											
38											
39											
40											
41											
42											
43											
44											
45		1									Ī

compact)

Bottom of Boring @ 18.7'

Grey cmf GRAVEL, some cmf SAND, some SILT (moist, very

50+

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

50@3"

Remarks:

14

15

16

17

18

19

7

18.7

18.5

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks:

15

16

17

18

50+

Grey SILT, some cmf SAND, little mf GRAVEL (moist, hard)

Bottom of Boring @ 19.4'

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

33-50@5"

Remarks:

15

16

17

18

19

7

19.4

18.5

50+

Grey SILT, little fine GRAVEL, trace cmf SAND (moist, hard)

Bottom of Boring @ 18.8'

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

50@4"

16

17

18

19

7

18.5

18.8

ttachment to CME Report Number: 28062B-04-0724 Test Boring Logs - Page 11 of 201 Boring No. B-509 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 2 **TEST BORING LOG** Phone: 315-701-0522 Project No. 28062 **Date Started** 05/10/24 Project Name: Micron Campus, Clay, New York Client: Ramboll **Date Finished** 05/10/24 Surface Elev. 404.7' Location: See Exploration Location Plan METHODS OF INVESTIGATION **GROUNDWATER OBSERVATIONS Driller:** Beau Fletcher Casing: 3 1/4" ID H.S.A. Depth (Ft.) **Date** Time Casing At (Ft.) **Driller:** Ryan Casatelli **Casing Hammer:** While Drilling 05/10/24 20.7 23.5 Inspector: Other: Drill Rig: 2" OD Split Barrel 05/10/24 Before Casing Removed 20.7 23.5 **CME 55** Soil Sampler: ATV 05/10/24 After Casing Removed None Noted Type: **Hammer Wt:** 140 lbs. out **Rod Size:** AWJ Hammer Fall: 30 in. 05/10/24 After Casing Removed caved @ 2.6 out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35% Sample Change То RQD % No. From Per 6 Inches little - 10 to 20% / trace - 0 to 10%(Feet) Rec. (in.) (Ft.) f - fine 1**A** 1.0 SS/16 1-WH-2-3 Topsoil and Organic Material (moist) 0.0 Brown/Grey SILT, little CLAY, trace fine SAND, trace ROOTS 1 1B 1.0 2.0 (moist, soft) 2 2 SS/18 6-7-7-7 Brown SILT, trace fine SAND (wet, stiff) 14 2.0 4.0 3 4 3 4.0 6.0 SS/20 4-5-5-6 Brown SILT, trace mf SAND (wet, stiff) 10 5 6 4 6.0 8.0 SS/23 3-8-13-17 Brown SILT, trace fine SAND (moist, very stiff) 21 7 8 5 8.0 10.0 SS/20 5-7-25-11 Brown SILT, little mf GRAVEL, little cmf SAND (wet, hard) 32 9 10 11 12 13 SS/18 6 13.5 15.0 14-11-27 Brown SILT, little cmf GRAVEL, trace cmf SAND (moist, hard) 38 14

compact)

Continued on Page 2

Grey cmf GRAVEL and SILT, little cmf SAND (moist, very

50+

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

50@4"

Remarks:

15

16

17

18

19

7

18.5

20.0

Test Boring Logs - Page 12 of 201

6035 Corporate Drive East Syracuse, NY 13057 Associates, Inc. Phone: 315-701-0522

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-509

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 Project No.
 28062

	Ass	ociate	s, Inc.	Phone:	315-701-0522		IESI BURING I	JOG	Project No.	28	062
					AMPLES		VISUAL CLASS	SIFICATION (
Depth Scale (Feet)	Sample No.	Sample	e Depth	Type / Sample Rec. (in.)	Blows on Sampler Per 6 Inches	Depth of Change (Ft.)	c - coarse m - medium f - fine	and - 35 to 50	0% / some - 20 to 35% 20% / trace - 0 to 10%		SPT "N" or RQD %
20						()	Continued from Page 1				
21											
22						ļ					
23	8	23.5	23.8	SS/3	50@3"		Grey SILT, some cmf SA	ND, little cmf GR.	AVEL (moist, hard)	50+
24		25.6	25.0		2000		Bottom of Boring @ 23.8'			·)	
25											
26											
27											
28											
29											
30											
31											
32											
34											
35	-										
36											
37											
38											
39											
40	1										
41											
42											
43											
44											
45	1										

Grey SILT, little cmf GRAVEL, trace cmf SAND (moist, hard)

Continued on Page 2

50+

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

50@5"

Remarks:

15

16

17

18

19

7

18.5

18.9

Test Boring Logs - Page 14 of 201

6035 Corporate Drive East Syracuse, NY 13057 Phone: 315-701-0522

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-510

 Page No.
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 Project No.
 28062

	Ass	ociates	s, Inc.	Phone: 3	315-701-0522		LEST BOKING	LUG	Project No.	2806	52
					AMPLES		VISUAL CLAS	SIFICATION (OF MATERIAL		
Depth Scale (Feet)	Sample No.	Sample	e Depth	Type / Sample Rec. (in.)	Blows on Sampler Per 6 Inches	Depth of Change (Ft.)	c - coarse m - medium f - fine	and - 35 to 50	0% / some - 20 to 35% 20% / trace - 0 to 10%		SPT "N" or RQD %
20	110.	110111	10	Acc. (III.)	1 cr o menes	(11.)	Continued from Page 1	intic - 10 to 2	20/0/ Hace - 0 to 10/0		ιζυ /0
21							-				
22											
23	8	23.5	23.8	SS/4	50@4"		Grey SILT, little mf GRA	VEL, trace cmf S	AND (moist_hard)		50+
24		23.3	23.0	55/1	3000,1		Grey SiE1, mae im Great	ven, trace emi si	in (B) (moist, nara)		50.
25	1										
26											
27											
28	9	28.5	29.3	SS/*	41-50@4"		Grey SILT, little CLAY, t	race mf GRAVEL	, trace cmf SAND		50+
29							(moist, hard) Bottom of Boring @ 29.3	,			
30											
31											
32											
33											
34	+										
36											
37											
38											
39											
40											
41											
42											
43											
44											
45	-										

Attachment to CME Report Number: 28062B-04-0724 Test Boring Logs - Page 15 of 201 Boring No. B-511 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 2 **TEST BORING LOG** Associates, Inc. 28062 Phone: 315-701-0522 Project No. Micron Campus, Clay, New York 05/08/24 **Date Started** Project Name: **Client:** Ramboll **Date Finished** 05/09/24 Surface Elev. 400.6' Location: See Exploration Location Plan METHODS OF INVESTIGATION **GROUNDWATER OBSERVATIONS Driller:** Beau Fletcher Casing: 3 1/4" ID H.S.A. **Date** Time Depth (Ft.) Casing At (Ft.) **Driller:** Ryan Casatelli **Casing Hammer:** While Drilling None Noted 15.0 Inspector: NO-Core 05/09/24 Other: Drill Rig: Soil Sampler: 2" OD Split Barrel 05/09/24 Before Casing Removed None Noted 15.0 CME 55 ATV Hammer Wt: 05/09/24 After Casing Removed 1.0 * Type: 140 lbs. out **Rod Size:** AWJ Hammer Fall: 30 in. 05/09/24 After Casing Removed caved @ 5.0 out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35% Sample Change or From То RQD % (Feet) No. Per 6 Inches f - fine little - 10 to 20% / trace - 0 to 10%Rec. (in.) (Ft.) Topsoil and Organic Material (moist) 1**A** 0.0 1.5 SS/16 WH-1-2-0 0 3 1 1B Brown/Red SILT, some cmf GRAVEL, little CLAY, little cmf 1.5 2.0 2 SAND (moist, soft) 2 2.0 4.0 SS/17 8-7-5-6 Brown SILT, little cmf GRAVEL, trace cmf SAND (wet, stiff) 12 3 3 4 4.0 6.0 SS/6 5-12-10-11 Brown SILT, some cmf GRAVEL, trace woody ORGANIC 22 MATERIAL, trace cmf SAND (wet, very stiff) 5 6 4 6.0 8.0 SS/12 9-11-10-11 Brown SILT, some mf GRAVEL, little cmf SAND (moist, very 21 stiff) 7 8 5 8.0 10.0 SS/5 10-13-12-21 Brown SILT, some cmf SAND, little cmf GRAVEL (wet, very stiff) 25 9 10 11 12 13 6 13.5 14.5 SS/12 29-50@6" Dark Grey/Black SILT, some highly weathered ROCK Fragments 50+ (Shale) (wet, hard) 14 Auger Refusal @ 15.0'. Set up to core. Grey DOLOSTONE with interbedded SHALE layers (<1/8" - 1/4" 22% 15 R-1 15.0 20.0 C/42NQ-Core

bedded, hard.

18.4' - 18.2'.

and 18.1'-18.2'.

Continued on Page 2

thick), slightly to moderately weathered, thinly laminated to thinly

SILT seam with weathered ROCK Fragments @ 15.5' - 15.6' and

Broken and fractured zones @ 15.6'-16.0', 16.5'-16.6', 17.3"-17.8'

Recovery: $42''/60'' = 70\% \mid RQD: 13''/60'' = 22\%$

4 Pieces, 11" Chips and Fragments

30 sec - 1:00 min/ft, no water loss

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks: * Water added to boring for coring.

16

17

18

Test Boring Logs - Page 16 of 201

6035 Corporate Drive
East Syracuse, NY 13057
Phone: 315, 701, 0522

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-511

 Page No.
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 Project No.
 28062

	Ass	ociates	s, Inc.	Phone: 3	315-701-0522		TEST DOMING		Project No.	280	062
	LO	G OF	BOR	ING SA	AMPLES		VISUAL CLAS	SIFICATION (OF MATERIAL		
Depth		Sample	e Depth	Type /	Blows on	Depth of	c - coarse				SPT "N"
Scale	Sample		t.)	Sample	Sampler	Change	m - medium		0% / some - 20 to 35%		or
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)	f - fine	little - 10 to 2	20% / trace - 0 to 10%		RQD %
20							Continued from Page 1 Coring conducted in 4th g	near 1500 rnm 60	00 nei down nrassi	ıra	
21	R-2	20.0	25.0	C/57	NQ-Core		Dark Grey SHALE with it				57%
	10.2	20.0	25.0	C/S/	110 0010		thick), slightly weathered,			2.0	3770
22							medium hard to hard.	,	•		
							Broken and fractured zone	es @ 20.1' - 20.2',	20.6' - 20.8' and		
23							21.1' - 21.2'.		- .		
24							VOID with CALCITE crys Recovery: 57"/60" = 95%				
2 4							29 Pieces, 5" Chips and Fr				
25	1						40 sec - 1:30 min/ft, no we				
							Coring conducted in 4th g)0 psi down pressu	ıre.	
26							Bottom of Boring @ 25.0	1			
27											
27											
28											
29											
20											
30											
31											
32											
22											
33											
34											
35											
26											
36											
37											
38											
20											
39											
40	1										
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41											
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]										
45	I										

ttachment to CME Report Number: 28062B-04-0724 Test Boring Logs - Page 17 of 201 Boring No. B-513 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 1 **TEST BORING LOG** Phone: 315-701-0522 Project No. 28062 Micron Campus, Clay, New York 05/13/24 **Date Started** Project Name: Client: Ramboll **Date Finished** 05/13/24 Surface Elev. 402.3' Location: See Exploration Location Plan METHODS OF INVESTIGATION **GROUNDWATER OBSERVATIONS Driller:** Gary Richards Casing: 3 1/4" ID H.S.A. **Date** Time Depth (Ft.) Casing At (Ft.) Driller: Ryan Casatelli **Casing Hammer:** While Drilling Inspector: Other: 05/13/24 None Noted 9.3 Drill Rig: Soil Sampler: 2" OD Split Barrel 05/13/24 Before Casing Removed 9.3 CME 55 None Noted ATV 140 lbs. 05/13/24 After Casing Removed None Noted Type: **Hammer Wt:** out **Rod Size:** AWJ Hammer Fall: 30 in. 05/13/24 After Casing Removed caved @ 7.2 out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Blows on Depth c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35% Sample Change То Per 6 Inches RQD % No. From f - fine little - 10 to 20% / trace - 0 to 10%(Feet) Rec. (in.) (Ft.) 1**A** 1.0 SS/18 WH-2-2-3 Topsoil and Organic Material (moist) 0 0.0 4 Brown SILT, trace fine SAND, trace CLAY (moist, medium stiff) 1 1B 1.0 2.0 2 2 2.0 SS/19 6-6-7-9 Brown SILT, trace CLAY (wet, stiff) 13 4.0 3 SS/18 4 3 4.0 6.0 5-14-11-12 Brown SILT, some mf GRAVEL, little cmf SAND (moist, very 25 5 6 4 6.0 8.0 SS/19 6-14-9-12 Grey/Brown cmf GRAVEL, some SILT, trace cmf SAND (wet, 23 medium compact) 7 8 5 8.0 8.9 SS/9 5-50@5" Brown/Dark Grey/Black SILT, some highly weathered ROCK 50 +Fragments (Shale) (moist, hard) 6 9.3 9.3 SS/0 50@0" SHALE Fragments in tip of spoon - Split Spoon and Auger 50+ Refusal @ 9.3' Bottom of Boring @ 9.3' 10 11 12 13 14 15 16 17

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

18

Grey ROCK Fragments (Shale) and ROCK Flour (moist)

Continued on Page 2

50+

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

36-50@2"

Remarks:

15

16

17

18

19

7

19.2

18.5

Attachment to CME Report Number: 28062B-04-0724

Test Boring Logs - Page 19 of 201

6035 Corporate Drive
East Syracuse, NY 13057
Phone: 315-701-0522

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-515

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 Project No.
 28062

	Ass	ociate	s, Inc.	Phone:	315-701-0522		TEST BORING LO)G	Project No.	28062
					AMPLES		VISUAL CLASSII	FICATION O		
Depth Scale (Feet)	Sample No.	Sample	e Depth et.)	Type / Sample Rec. (in.)	Blows on Sampler Per 6 Inches	Depth of Change (Ft.)	c - coarse m - medium f - fine	and - 35 to 50	% / some - 20 to 35% 0% / trace - 0 to 10%	SPT "N" or RQD %
20							Continued from Page 1			
21										
22										
23	8	23.5	23.9	SS/4	50@5"		Similar as above (moist)			50+
24	0	23.3	23.9	33/4	30@3		Similar as above (moist) Bottom of Boring @ 23.9'			30+
25										
26										
27										
28										
29										
30										
31										
32										
33										
34										
35	-									
36										
37										
38										
39										
40										
41										
43										
44										
45	1									

Attachment to CME Report Number: 28062B-04-0724 Test Boring Logs - Page 20 of 201 Boring No. B-517 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 1 **TEST BORING LOG** Phone: 315-701-0522 Project No. 28062 **Date Started** 04/16/24 Project Name: Micron Campus, Clay, New York **Client:** Ramboll **Date Finished** 04/16/24 Surface Elev. 395.2' Location: See Exploration Location Plan METHODS OF INVESTIGATION **GROUNDWATER OBSERVATIONS Driller:** Al Linstruth Casing: 3 1/4" ID H.S.A. **Date** Time Depth (Ft.) Casing At (Ft.) Driller: John Winks **Casing Hammer:** While Drilling Inspector: Other: 04/16/24 None Noted 9.2 Drill Rig: Soil Sampler: 2" OD Split Barrel 04/16/24 Before Casing Removed None Noted 9.2 CME 550X ATV 140 lbs. 04/16/24 After Casing Removed 5.2 Type: **Hammer Wt:** out **Rod Size:** AWJ Hammer Fall: 30 in. 04/16/24 After Casing Removed caved @ 5.5 out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35% Sample Change From To little - 10 to 20% / trace - 0 to 10% RQD % Per 6 Inches (Feet) No. Rec. (in.) (Ft.) f - fine Topsoil and Organic Material (moist, medium stiff) 1**A** 0.3 SS/15 1-1-2-3 0.0 3 Brown SILT, little cmf GRAVEL, trace cmf SAND, trace ROOTS 2.0 1B 0.3 1 (moist, soft) 2 2 2.0 4.0 SS/7 1-1-3-2 Brown SILT, little mf GRAVEL, trace cmf SAND (wet, medium 4 stiff) 3 3 4 4.0 6.0 SS/13 1-4-7-7 Brown SILT, little mf GRAVEL, trace CLAY, trace cmf SAND 11 (wet, stiff) 5 Brown SILT and cmf GRAVEL, trace cmf SAND, trace CLAY 6.0 6 4 8.0 SS/16 3-5-7-8 12 (wet, stiff) 7 8 5 8.0 8.9 SS/7 7-50@5" Grey/Brown ROCK Fragments (Limestone) and SILT, trace cmf 50 +SAND (wet) 9 Auger Refusal @ 9.2' Bottom of Boring @ 9.2' 10 11 12 13 14 15 16 17 18

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks:

ttachment to CME Report Number: 28062B-04-0724 Test Boring Logs - Page 21 of 201 Boring No. B-518 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 2 **TEST BORING LOG** Associates, Inc. Project No. 28062 Phone: 315-701-0522 Micron Campus, Clay, New York 05/04/24 **Date Started** Project Name: Client: Ramboll **Date Finished** 05/04/24 Surface Elev. 393.4' Location: See Exploration Location Plan METHODS OF INVESTIGATION **GROUNDWATER OBSERVATIONS Driller:** John Winks Casing: 3 1/4" ID H.S.A. **Date** Time Depth (Ft.) Casing At (Ft.) Driller: Bryan Reles **Casing Hammer:** NO-Core 05/04/24 While Drilling 4.0 4.0 Inspector: Other: Drill Rig: Soil Sampler: 2" OD Split Barrel 05/04/24 Before Casing Removed 0.9 * 14.4 **CME 55** ATV After Casing Removed 05/04/24 1.5 * Type: Hammer Wt: 140 lbs. out AWJ **Rod Size:** Hammer Fall: 30 in. 05/04/24 After Casing Removed caved @ 10.0 out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35% Sample Change From To RQD % No. Per 6 Inches little - 10 to 20% / trace - 0 to 10%(Feet) Rec. (in.) (Ft.) f - fine 1**A** 0.0 0.8 SS/13 WH-1-2-2 Topsoil and Organic Material (moist) 0 Brown SILT, some cmf SAND, little mf GRAVEL, trace CLAY 0.8 2.0 1B 1 (wet, soft) 2 2 2.0 SS/15 Brown/Grey CLAY and cmf SAND, little mf GRAVEL, little SILT 7 4.0 3-3-4-4 (wet, medium stiff) 3 3 SS/19 4 4.0 6.0 8-14-10-7 Brown/Grey cmf SAND and mf GRAVEL, some SILT, trace CLAY 24 (wet, medium compact) 5 6 4 6.0 8.0 SS/13 7-11-12-12 Similar as above (wet, medium compact) 23 7 SS/11 6-7-8-12 8 5 8.0 10.0 Dark Grey cmf SAND and weathered ROCK Fragements, some 15 SILT (moist, medium compact) 9 10 11 12

Dark Grey weathered ROCK Fragments, some SILT (moist)

1.0" thick), slightly to moderately weathered, thinly laminated,

Weathered horizontal fractures @ 16.5', 18.0', 18.2' and 18.8'.

Coring conducted in 4th gear, 1500 rpm, 650 psi down pressure.

2.0" thick), slightly to moderately weathered, thinly laminated to

Dark Grey SHALE with interbedded DOLOSTONE layers (<1/8" -

Dark Grey SHALE with interbedded DOLOSTONE layers (<1/8" -

Auger Refusal @ 14.4'. Set up to core.

Broken and fractured zone @ 14.6' - 15.6'.

20 Pieces, 2" Chips and Fragments

1:00 - 2:00 min/ft, no water loss

Continued on Page 2

Recovery: $56''/60'' = 93\% \mid RQD: 23''/60'' = 38\%$

medium hard.

50+

38%

53%

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

42-50@4"

NQ-Core

NQ-Core

Remarks: * Water added to boring for coring.

24.4

13

14

15

16

17

18

19

6

R-1

R-2

13.5

14.4

19.4

14.3

19.4

SS/9

C/56

C/58

Test Boring Logs - Page 22 of 201

6035 Corporate Drive
East Syracuse, NY 13057
Associates, Inc.
Phone: 315-701-0522

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-518

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 Project No.
 28062

	Ass	ociates	s, Inc.	Phone:	315-701-0522		LEST BURING	LUG	Project No.	28	062
					AMPLES		VISUAL CLAS	SIFICATION (1	
Depth Scale (Feet)	Sample No.	ı	e Depth	Type / Sample Rec. (in.)	Blows on Sampler Per 6 Inches	Depth of Change (Ft.)	c - coarse m - medium f - fine	and - 35 to 50	0% / some - 20 to 35% 20% / trace - 0 to 10%		SPT "N" or RQD %
20	1,01	110111	10	reer (mi)	T OF V MONES	(111)	Continued from Page 1	1000	0 10 10 10		1142 //
21							medium bedded, medium Broken and fractured zone	e @ 19.7'-19.8' an	d 21.9'-22.2'.		
22							Weathered horizontal frac Recovery: 58"/60" = 97%				
23							RQD: 32"/60" = 53% 16 Pieces, 4" Chips and Fr 40 seconds - 1:00 min/ft, r				
24							Coring conducted in 4th g Bottom of Boring @ 24.4	ear, 1500 rpm, 65	50 psi down pressu	ire.	
25											
26											
27											
28											
29											
30											
31											
32											
33											
34	<u> </u>										
36											
38											
39											
40											
41											
42											
43											
44											
45	-										

Attachment to CME Report Number: 28062B-04-0724 Test Boring Logs - Page 23 of 201 Boring No. B-519 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 1 **TEST BORING LOG** Associates, Inc. Phone: 315-701-0522 Project No. 28062 **Date Started** 05/10/24 Project Name: Micron Campus, Clay, New York Client: Ramboll **Date Finished** 05/10/24 394.9' Location: See Exploration Location Plan Surface Elev. METHODS OF INVESTIGATION **GROUNDWATER OBSERVATIONS Driller:** H. Lyon Casing: 3 1/4" ID H.S.A. **Date** Time Depth (Ft.) Casing At (Ft.) Driller: K. Crandall **Casing Hammer:** While Drilling C. O'Hara 05/10/24 None Noted 8.0 Inspector: Other: Drill Rig: **CME 45** 2" OD Split Barrel 05/10/24 18.0 Soil Sampler: Before Casing Removed None Noted ATV 05/10/24 After Casing Removed None Noted Type: **Hammer Wt:** 140 lbs. out AWJ **Rod Size:** Hammer Fall: 30 in. 05/10/24 After Casing Removed caved @ out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35% Sample Change From То RQD % Per 6 Inches little - 10 to 20% / trace - 0 to 10%(Feet) No. (Ft.) f - fine Rec. (in.) 1**A** 0.7 SS/17 1-WH-1-7 Topsoil and Organic Material (moist) 0.0 Brown SILT, trace CLAY, trace fine SAND, trace ORGANIC 1B 0.7 2.0 1 MATERIAL (moist, soft) 2 2 SS/18 4-6-5-3 Brown/Grey SILT, trace CLAY, trace fine SAND (wet, stiff) 11 2.0 4.0 3 4 3 4.0 6.0 SS/16 5-6-11-11 Brown SILT, trace CLAY (wet, very stiff) 17 5 4 6.0 8.0 SS/15 5-6-6-9 Brown SILT, trace fine GRAVEL, trace cmf SAND, trace CLAY 12 6 (wet, stiff) 7 SS/14 8 5 8.0 10.0 3-17-17-17 Red/Brown SILT, some cmf GRAVEL, little cmf SAND, trace 34 CLAY (moist, hard) 9 Augers like Cobble beginning @ 8.7' 10 11 12 15.0 SS/16 18-10-22-25 32 13 6 13.0 Grey SILT, little mf GRAVEL, trace cmf SAND (moist, hard) 14

Augers very hard beginning @ 16.2'

Bottom of Boring @ 18.9'

Grey SILT and cmf GRAVEL, little cmf SAND (moist, hard)

Grey SILT, little mf GRAVEL, trace cmf SAND (moist, hard)

50 +

50+

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

38-50@5"

50-50@5"

SS/11

SS/11

Remarks:

15

16

17

18

19

7

8

16.5

18.0

17.4

18.9

very stiff)

Continued on Page 2

Brown/Orange/Grey SILT, little CLAY, trace cmf SAND (moist,

Grey SILT, little cmf SAND, trace fine GRAVEL (moist, very stiff)

17

26

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

8-8-9

6-11-15

Remarks: * Water added to boring for coring.

20.0

SS/20

SS/16

12

13

14

15

16

17

18

19

6

7

13.5

18.5

15.0

Test Boring Logs - Page 25 of 201

6035 Corporate Drive
East Syracuse, NY 13057
Associates, Inc.
Phone: 315-701-0522

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-520

 Page No.
 2 of 2

 Project No.
 28062

					315-701-0522		TEST BOKENG		Project No.	28062
LOG OF BORING SAMPLES Depth Sample Depth Type Blows on							VISUAL CLAS	SIFICATION (OF MATERIAL	
Depth Scale (Feet)	Sample No.	-	•	Type / Sample Rec. (in.)	Blows on Sampler Per 6 Inches	Depth of Change (Ft.)	c - coarse m - medium f - fine		0% / some - 20 to 35% 20% / trace - 0 to 10%	SPT "N or RQD %
20 21 22 23 24 25	8	23.5	24.7	SS/14	23-28-50@3"		Continued from Page 1 Augers harder beginning Grey highly weathered RO		hale), little SILT (mo	ist) 50+
26 27										
28 29	9	28.5	29.1	SS/6	30-50@1"		Similar as above (moist) Split Spoon and Auger Re	fusal @ 29 1' Sei	t un to core	50+
30 31 32 33	R-1	29.1	34.1	C/60	NQ-Core		Dark Grey DOLOSTONE - 1" thick), slightly weath medium hard to hard. SILT seam (1/4" thick) @ Recovery: 60"/60" = 100 25 Pieces, 0" Chips and F 1:30 min/ft, no water loss	with interbedded ered, thinly lamina 29.3'. % RQD: 24"/60"	SHALE layers (<1/8' ated to thinly bedded,	
34 35 36 37 38	R-2	34.1	39.1	C/58	NQ-Core		Coring conducted in 4th g Grey DOLOSTONE with thick), slightly weathered, medium hard to hard. Broken and fractured zon SILT seam with weathere Weathered zones @ 37.3' Recovery: 58"/60" = 97% 17 Pieces, 8" Chips and F 1:30 min/ft, no water loss	interbedded SHAl thinly laminated thinly laminated the @ 25.7' - 26.4'. d ROCK Fragment and 37.8'. [6] RQD: 32"/60" = 100 ragments	LE layers (<1/8" - 2.0 thinly bedded, ts @ 36.5' - 36.7'.	" 53%
39	_						Coring conducted in 4th g Bottom of Boring @ 39.1		00 psi down pressure.	
41 42										
43 44										
45	1									

ttachment to CME Report Number: 28062B-04-0724 Test Boring Logs - Page 26 of 201 Boring No. **B-522A** 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 1 **TEST BORING LOG** Phone: 315-701-0522 Project No. 28062 **Date Started** 04/17/24 Project Name: Micron Campus, Clay, New York **Client:** Ramboll **Date Finished** 04/17/24 Surface Elev. 393.7' Location: See Exploration Location Plan METHODS OF INVESTIGATION **GROUNDWATER OBSERVATIONS Driller:** Al Linstruth Casing: 3 1/4" ID H.S.A. **Date** Time Depth (Ft.) Casing At (Ft.) Driller: John Winks **Casing Hammer:** While Drilling Inspector: Other: 04/17/24 4.2 6.0 Drill Rig: Soil Sampler: 2" OD Split Barrel 04/17/24 Before Casing Removed 4.2 6.0 CME 550X ATV 140 lbs. 04/17/24 After Casing Removed 4.2 Type: **Hammer Wt:** out **Rod Size:** AWJ Hammer Fall: 30 in. 04/17/24 After Casing Removed caved @ 5.7 out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Blows on Depth c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35% Sample Change or From To little - 10 to 20% / trace - 0 to 10% RQD % Per 6 Inches (Ft.) f - fine (Feet) No. Rec. (in.) 1**A** 0.0 0.3 SS/14 1-2-5-7 Topsoil and Organic Material (moist) 0.3 2.0 Brown SILT, some cmf GRAVEL, trace cmf SAND, trace ROOTS 1B 1 (moist, medium stiff) 2 2 2.0 SS/19 3-3-9-3 Brown SILT, some cmf GRAVEL, trace cmf SAND (wet, stiff) 12 4.0 3 3 SS/17 4 4.0 6.0 5-5-5-5 Brown cmf GRAVEL and SILT, some cmf SAND (wet, medium 10 compact) 5 6 4 6.0 7.0 SS/9 3-6-50@0" Grey/Brown SILT, little mf GRAVEL, little cmf SAND, trace 50+ CLAY (wet, hard) 7 Split Spoon and Auger Refusal @ 7.0' Bottom of Boring @ 7.0' 8 10 11 12 13 14 15 16 17 18

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks:

55 sec/ft, no water loss

Bottom of Boring @ 17.2'

Coring conducted in 5th gear, 2000 rpm, 700 psi down pressure.

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks: *Water added to boring for coring.

16

17

18

Attachment to CME Report Number: 28062B-04-0724 Test Boring Logs - Page 28 of 201 Boring No. B-526 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 2 **TEST BORING LOG** Associates, Inc. Phone: 315-701-0522 Project No. 28062 **Date Started** 04/17/24 Project Name: Micron Campus, Clay, New York **Client:** Ramboll **Date Finished** 04/17/24 Surface Elev. 396.9' Location: See Exploration Location Plan METHODS OF INVESTIGATION GROUNDWATER OBSERVATIONS Al Linstruth Driller: Casing: 3 1/4" ID H.S.A. **Date** Time Depth (Ft.) Casing At (Ft.) **Driller:** John Winks Casing Hammer: Inspector: NO-Core 04/17/24 While Drilling 12.7 13.5 Other: Drill Rig: **CME 550X** Soil Sampler: 2" OD Split Barrel 04/17/24 Before Casing Removed 7.2 * 13.5 ATV 04/17/24 After Casing Removed 6.8 * Type: Hammer Wt: 140 lbs. out AWJ **Rod Size:** Hammer Fall: 30 in. 04/17/24 After Casing Removed caved @ 10.0 out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35% Sample Change From RQD % То Per 6 Inches little - 10 to 20% / trace - 0 to 10%(Feet) No. (Ft.) f - fine Rec. (in.) 1**A** 0.2 SS/15 2-2-2-2 Topsoil and Organic Material (moist) 0.0 Brown SILT, trace fine SAND, trace ROOTS (moist, medium stiff) 1B 0.2 2.0 1 2 2 2.0 SS/17 Brown SILT, trace CLAY, trace fine SAND (wet, very stiff) 4.0 2-8-8-8 16 3 4 3 4.0 6.0 SS/10 7-6-7-6 Brown SILT, trace CLAY (wet, stiff) 13 5 Brown SILT, trace CLAY (wet, soft) 6 4 6.0 8.0 SS/15 3-2-1-2 3 7 SS/14 Brown/Black SILT and ROCK Fragments (Shale), little cmf SAND, 8 5 8.0 10.0 4-20-9-16 29 trace fine GRAVEL (wet, very stiff) 9 10 11 12 13 13.5 13.5 SS/0 50@0" No Recovery. Spoon Refusal - Set up to core 6 NQ-Core Dark Grey SHALE with interbedded DOLOSTONE layers (<1/8" -73% 14 R-1 13.5 18.5 C/572.0" thick), slightly weathered, thinly laminated to thinly bedded,

medium hard to hard. Broken and fractured zone @ 13.7' - 14.0'.

Coring conducted in 5th gear, 2100 rpm, 700 psi down pressure.

1/4" thick), slightly weathered, thinly laminated, medium bedded, medium hard. Broken and fractured zones @ 19.8', 20.7' - 20.8',

Dark Grey SHALE with interbedded DOLOSTONE layers (<1/8" -

85%

Weathered horizontal fractures @ 14.4', 15.3' and 15.7'.

Recovery: 57''/60'' = 95%

27 Pieces, 4" Chips and Fragments

ROD: 44''/60'' = 73%

50 sec/ft, no water loss

Continued on Page 2

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

NQ-Core

Remarks: * Water added to boring for coring.

23.5

C/59

15

16

17

18

19

R-2

18.5

Test Boring Logs - Page 29 of 201

6035 Corporate Drive East Syracuse, NY 13057 Phone: 315-701-0522

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-526

 Page No.
 2 of 2

 Project No.
 28062

Scale Sample (Ft.) Sample Sampler Change m - medium and - 35 to 50% / some - 20 to 35%						315-701-0522		TEST BOILING		Project No.	28062
Scale Sample Fix Sample Per 6 Inches Pe		LO	G OF	BOR	ING SA	MPLES		VISUAL CLAS	SIFICATION (OF MATERIAL	
Continued from Page 1 mnd 22.4 * - 22.5 Recovery: 59"/60" = 98% RQD: 51"/60" = 85% 21 Pieces, 5" Chips and Fragments 50 secfit, no water loss Coring conducted in 5th gear, 2100 rpm, 700 psi down pressure. Bottom of Boring @ 23.5' Bottom of Boring	Scale		(F	t.)	Sample	Sampler	Change	m - medium			SPT "N or RQD %
Recovery; 59*/60* = 98% RQD: 51*/60* = 88% RQD: 51*/60* = 88% 21 Pieces, 5* Chips and Fragments 50 seeft, no water loss Coring conducted in 5th gear, 2100 rpm, 700 psi down pressure. Bottom of Boring @ 23.5* Bottom of Boring @ 23.5* 30 31 32 33 34 35 36 37 38 39 40 41 42 43						2 22 4 222222	(= 11)	Continued from Page 1			
22 RQD- 51"/60" = 85% 21 Picces, 5" Chips and Fragments 30 sec/fs, no water loss Coring conducted in 5th gear, 2100 rpm, 700 psi down pressure. Bottom of Boring @ 23.5" 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 43 44 44 44 44 44	21										
21 Pieces, 5" Chips and Fragments 50 see/fi, no water loss Coring conducted in 5th gear, 2100 rpm, 700 psi down pressure. Bottom of Boring @ 23.5" Bottom of Boring @ 23.5" 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	21										
23 Bottom of Boring @ 23.5 Bottom of Boring @ 23.5 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	22							21 Pieces, 5" Chips and F	ragments		
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	23								rear 2100 rnm 70	0 nsi down pressure	
25										o psi do vii pressure.	
26	24										
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	25										
28	26										
29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	27										
30 31 32 33 34 35 36 37 38 39 40 41 42 43	28										
31 32 33 34 35 36 37 38 39 40 41 42 43	29										
32 33 34 35 36 37 38 39 40 41 42 43	30										
33 34 35 36 37 38 39 40 41 42 43 43	31										
34 35 36 37 38 39 40 41 42 43	32										
35 36 37 38 39 40 41 42 43	33										
36 37 38 39 40 41 42 43	34										
37 38 39 40 41 42 43	35										
38 39 40 41 42 43	36										
39 40 41 42 43	37										
40 41 42 43	38										
41 42 43	39										
42 43	40										
43	41										
	42										
	43										
45											

ttachment to CME Report Number: 28062B-04-0724 Test Boring Logs - Page 30 of 201 Boring No. B-529 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 1 **TEST BORING LOG** Associates, Inc. Phone: 315-701-0522 Project No. 28062 **Date Started** 04/16/24 Project Name: Micron Campus, Clay, New York **Client:** Ramboll **Date Finished** 04/16/24 Surface Elev. 395.6' Location: See Exploration Location Plan METHODS OF INVESTIGATION **GROUNDWATER OBSERVATIONS Driller:** Al Linstruth Casing: 3 1/4" ID H.S.A. **Date** Time Depth (Ft.) Casing At (Ft.) Driller: John Winks **Casing Hammer:** While Drilling 04/16/24 7.4 6.0 Inspector: Other: Drill Rig: 2" OD Split Barrel 04/16/24 Before Casing Removed 11.8 14.8 CME 550X Soil Sampler: ATV 04/16/24 After Casing Removed 5.9 Type: **Hammer Wt:** 140 lbs. out **Rod Size:** AWJ Hammer Fall: 30 in. 04/16/24 After Casing Removed caved @ 7.2 out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35% Sample Change To RQD % From Per 6 Inches little - 10 to 20% / trace - 0 to 10%(Feet) No. Rec. (in.) (Ft.) f - fine 1**A** 0.3 SS/13 Topsoil and Organic Material (moist) 0.0 1-1-1-2 2.0 Brown SILT, trace fine SAND, trace ROOTS (moist, soft) 1B 0.3 1 2 2 SS/11 1-3-2-1 Brown SILT, trace fine SAND (wet, medium stiff) 5 2.0 4.0 3 4 3A 4.0 5.5 SS/12 4-3-2-11 Dark Grey/Brown cmf GRAVEL, some SILT, little cmf SAND 5 (wet, loose) 5 3B 5.5 6.0 Grey cmf GRAVEL, little cmf SAND, trace SILT (moist) Grey/Brown SILT, some cmf GRAVEL, little cmf SAND (wet, 6 4 6.0 8.0 SS/13 8-11-7-5 18 very stiff) 7 8 5 8.0 10.0 SS/8 11-7-10-4 Grey SILT and cmf GRAVEL, some cmf SAND (wet, medium 17 compact) 9 Augers gravelly beginning @ 8.0' 10 11 12 6 12.5 12.7 SS/3 50@3" Grey ROCK Fragments (Dolostone) and ROCK Flour (moist) 50+ 13 14 7 14.8 14.8 SS/0 50@0" Spoon and Auger Refusal @ 14.8' 50+

Bottom of Boring @ 14.8'

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks:

15

16

17

18

2" OD Split Barrel

05/10/24

While Drilling

05/10/24 Before Casing Removed

9.3

7.4

12.8

17.6

Drill Ki	g.	CME 2	F.J		son sampier:		Spin Barrei			asing Kemoved	/. 4	1	7.0
Type:		ATV			Hammer Wt:	140 lbs.		05/10/24		asing Removed	4.3	o	out
Rod Siz		AWJ			Hammer Fall:	30 in.		05/10/24	After C	asing Removed	caved @ 6.7	0	out
	LO	G OF	BOR	ING SA	AMPLES		VI	SUAL C	LASSI	FICATION C	F MATERIA	L	
Depth		Sample	Depth	Type /	Blows on	Depth of	c	- coarse					SPT "N"
Scale	Sample	(F	t.)	Sample	Sampler	Change	m -	medium		and - 35 to 50	% / some - 20 to 35	%	or
(Feet)	No.	From	To	Rec. (in.)	Per 6 Inches	(Ft.)		f - fine			0% / trace - 0 to 100	6	RQD %
0	1A	0.0	0.7	SS/12	WH-1-1-5	1	Topsoil an						2
	1B	0.7	2.0				Brown SII	LT, trace C	CLAY, tr	ace ROOTS (m	oist, soft)		
1													
		2.0	4.0	GG /1 5			D /G		L CITE TO	CT ATT			1.0
2	2	2.0	4.0	SS/15	5-5-5-5		Brown/Gro	ey mottled	l SILT, tı	race CLAY (we	t, stiff)		10
2													
3													
1	3	4.0	6.0	SS/14	12-14-12-7		Danaram CII	T two as C	TIAV (m	saigt vamvatiff			26
4	3	4.0	0.0	33/14	12-14-12-7		Brown SIL	1, trace C	LAY (II	noist, very stiff)			20
5	ł												
6	4	6.0	8.0	SS/12	3-5-7-14	h	Grev SILT	. some CI	LAY, litt	le cmf GRAVE	L, trace cmf SAl	ND	12
		0.0	0.0	22/12	00,11		(moist, stif		2111, 1100		<u> </u>		1-
7							,	,					
8	5	8.0	10.0	SS/13	10-10-20-50		Grey SILT	, little CL	AY, trac	e cmf SAND, tı	race fine GRAV	EL	30
							(moist, har	rd)					
9													
10													
11													
10							ļ ,	10.126					
12		12.0	140	CC /*	25 12 15 10		Augers ha			1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	OCK E	(01 1)	27
12	6	12.8	14.8	SS/*	25-12-15-18				_	•	OCK Fragments	(Shale),	27
13							trace CLA	Y (moist,	very stir	1)			
14													
14													
15	†						Augers vei	ry hard be	ginning	@ 15.3' to 16.3	,		
13						 	ingers ver	y nara be	Summe	<u> </u>			
16	7	16.3	16.7	SS/4	50@4"		Grev weat	hered ROO	CK Fragi	ments (Shale) at	nd ROCK Flour	(moist)	50+
	′	10.5	13.7	~ ~ .	2 0 660 1		210) " Cat		-1211461	(211010) (11	110 011 1001	(-110100)	
17													
	8	17.6	17.8	SS/1	50@2"		Black SHA	ALE Fragn	nents (m	oist) Auger Rej	fusal @ 17.6'		50+
18					<u> </u>		Bottom of			, <u>, , , , , , , , , , , , , , , , , , </u>			
								ک ت					
19													

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks: * recovery length not measured

Inspector:

Drill Rig:

C. O'Hara

CME 45

Other:

Soil Sampler:

ttachment to CME Report Number: 28062B-04-0724 Test Boring Logs - Page 32 of 201 Boring No. **B-531** 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 1 **TEST BORING LOG** Phone: 315-701-0522 Project No. 28062 **Date Started** 05/10/24 Project Name: Micron Campus, Clay, New York Client: Ramboll **Date Finished** 05/10/24 Surface Elev. 401.7' Location: See Exploration Location Plan METHODS OF INVESTIGATION **GROUNDWATER OBSERVATIONS Driller:** H. Lyon Casing: 3 1/4" ID H.S.A. **Date** Time Depth (Ft.) Casing At (Ft.) Driller: K. Crandall **Casing Hammer:** While Drilling Inspector: C. O'Hara 05/10/24 None Noted 6.0 Other: Drill Rig: **CME 45** 2" OD Split Barrel 05/10/24 Before Casing Removed 13.8 Soil Sampler: None Noted ATV 05/10/24 After Casing Removed None Noted Type: **Hammer Wt:** 140 lbs. out **Rod Size:** AWJ Hammer Fall: 30 in. 05/10/24 After Casing Removed caved @ 9.2 out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35% Sample Change То RQD % From Per 6 Inches little - 10 to 20% / trace - 0 to 10%(Feet) No. Rec. (in.) (Ft.) f - fine 2.0 SS/13 Topsoil and Organic Material (moist) 0 0.0 1-1-1-1 1 2 2 2.0 SS/10 1-WH-1-1 Brown/Orange fine SAND, some SILT (moist, very loose) 4.0 1 3 SS/15 4 3 4.0 6.0 6-8-9-11 Brown, Similar as above (moist, medium compact) 17 5 6 4 6.0 7.9 SS/12 8-26-28-50@5" Brown cmf SAND and SILT, trace fine GRAVEL (moist, very 54 compact) Augers gravelly beginning @ 6.2' 7 8 5 8.0 8.9 SS/10 25-50@5" Grey SILT, some cmf GRAVEL, little cmf SAND (moist, hard) 50 +9 10 11 12 SS/10 36-50@4" Dark Grey SILT, trace cmf SAND, trace ROCK Fragments (Shale) 50+ 13 6 13.0 13.8 (moist, hard) Bottom of Boring @ 13.8' 14 15 16 17

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks:

18

Dark Grey weathered ROCK Fragments, little SILT (moist)

Continued on Page 2

48

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

13-22-26

16

17

18

19

7

18.5

20.0

Test Boring Logs - Page 34 of 201

6035 Corporate Drive East Syracuse, NY 13057 Phone: 315, 701, 0522

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-532

 Page No.
 2 of 2

 Project No.
 28062

LOG OF BORING SAMPLES				Phone: 3	15-701-0522		TEST BORING		ŭ	28062
LOG OF BORING SAMPLES Depth Sample Depth Type / Blows on					MPLES		VISUAL CLAS	SIFICATION (OF MATERIAL	
Depth Scale (Feet)	Sample No.			Type / Sample Rec. (in.)	Blows on Sampler Per 6 Inches	Depth of Change (Ft.)	c - coarse m - medium f - fine		0% / some - 20 to 35% 20% / trace - 0 to 10%	SPT "N' or RQD %
20							Continued from Page 1			
21										
23										
24	8	23.5		SS/4	50@4"		Dark Grey ROCK Fragme Auger Refusal @ 24.0'. S	et up to core.	. ,	50+
25	R-1	24.0	29.0	C/55	NQ-Core		Dark Grey SHALE with in 2.0" thick), moderately we bedded, medium hard.			68%
26							Broken and fractured zon Weathered horizontal frac			
27							SILT seam ($\sim 1/4$ " thick) @ Recovery: 55"/60" = 92%	@ 27.4'.	= 68%	
28							14 Pieces, 4" Chips and F. 1:00 - 2:00 min/ft, no wat	ragments er loss		
29	R-2	29.0	34.0	C/59	NQ-Core		Coring conducted in 4th g Dark Grey SHALE with it	nterbedded DOLO	STONE layers (<1/8" -	90%
30							4.0" thick), slightly weath medium hard to hard.			
32							Weathered horizontal frac Recovery: 59"/60" = 98% 20 Pieces, 1" Chips and F.	RQD: 54"/60" =		
33							1:25 - 1:50 min/ft, no wat Coring conducted in 4th g	er loss	50 psi down pressure.	
34							Bottom of Boring @ 34.0			
35										
36										
37										
38										
39										
40 41										
42										
43										
44										
45										

Attachment to CME Report Number: 28062B-04-0724 Test Boring Logs - Page 35 of 201 Boring No. **B-534** 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 2 **TEST BORING LOG** Associates, Inc. Phone: 315-701-0522 Project No. 28062 04/25/24 **Date Started** Project Name: Micron Campus, Clay, New York **Client:** Ramboll **Date Finished** 04/25/24 Surface Elev. 390.4' Location: See Exploration Location Plan METHODS OF INVESTIGATION **GROUNDWATER OBSERVATIONS Driller:** H. Lyon Casing: 3 1/4" ID H.S.A. **Date** Time Depth (Ft.) Casing At (Ft.) **Driller:** K. Crandall **Casing Hammer:** While Drilling Inspector: C. O'Hara 04/25/24 2.5 15.0 Other: Drill Rig: **CME 45** 2" OD Split Barrel 04/25/24 Before Casing Removed 20.8 Soil Sampler: 5.5 ATV 04/25/24 After Casing Removed 5.7 Type: Hammer Wt: 140 lbs. out AWJ **Rod Size:** Hammer Fall: 30 in. 04/25/24 After Casing Removed caved @ 10.2 out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35% Sample Change From To RQD % Per 6 Inches little - 10 to 20% / trace - 0 to 10%(Feet) No. Rec. (in.) (Ft.) f - fine 1**A** 0.0 0.3 SS/12 Topsoil and Organic Material (moist) 1-2-1-1 3 0.3 2.0 Brown SILT, trace CLAY, trace fine SAND, trace ORGANIC 1B 1 MATERIAL (moist, soft) 2 2 2.0 SS/13 2-3-3-3 Brown/Grey mottled SILT, little CLAY (wet, medium stiff) 4.0 6 3 4 3 4.0 6.0 SS/15 3-3-4-4 Brown SILT, trace CLAY (wet, medium stiff) 7 5 4 6.0 8.0 SS/20 3-5-7-6 Similar as above (wet, stiff) 12 6 7 SS/21 8 5 8.0 10.0 4-5-5-7 Similar as above (wet, stiff) 10 9 10 11 12 SS/16 1-2-1-1 Grey/Brown SILT, some CLAY, trace cmf SAND, trace fine 13 6 13.0 15.0 3 GRAVEL (wet, soft) 14 7 Grey/Brown SILT, little cmf SAND, little mf GRAVEL, trace 15 15.0 17.0 SS/8 WR-6-11-4 17

CLAY (wet, very stiff)

CLAY (wet, very compact)

Continued on Page 2

Augers gravelly beginning @ 15.7'

Dark Grey/Black cmf GRAVEL, little cmf SAND, little SILT, trace

50+

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

50@3"

16

17

18

19

8

18.0

18.3

Attachment to CME Report Number: 28062B-04-0724

Test Boring Logs - Page 36 of 201

6035 Corporate Drive East Syracuse, NY 13057

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-534

 Page No.
 2 of 2

 Project No.
 28062

	Ass	ociate	s, Inc.	Phone:	315-701-0522		TEST BORING I	LUG	Project No.	2806	52
					AMPLES		VISUAL CLASS	SIFICATION (
De:::41.			e Depth								CDT IINIII
Depth Scale	Sample		t.)	Type / Sample	Blows on Sampler	Depth of Change	c - coarse m - medium	and - 35 to 50	0% / some - 20 to 35%		SPT "N" or
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)	f - fine		20% / trace - 0 to 10%]	RQD %
20							Continued from Page 1				
						ļ	Auger Refusal @ 20.8'				
21	9	20.8	21.6	SS/6	8-50@4"		Black weathered ROCK F	ragments (Shale),	some SILT (wet)		50+
22							Bottom of Boring @ 21.6'				
22											
23											
24											
	<u> </u>										
25											
26											
20											
27											
28											
29											
29											
30	1										
31											
22											
32											
33											
34											
	<u> </u>										
35											
36											
30											
37											
38											
20											
39											
40	1										
41											
40											
42											
43											
7.3											
44											
]										
45	1	I		I	ĺ	I					

Augers like Rock beginning @ 16.2'

Bottom of Boring @ 17.1'

Black ROCK Fragments (Shale) (wet) Auger Refusal @ 16.8'

50+

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

50@3"

SS/1

Remarks:

15

16

17

18

19

7

16.8

17.1

Attachment to CME Report Number: 28062B-04-0724 Test Boring Logs - Page 38 of 201 Boring No. **B-536** 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 2 **TEST BORING LOG** Associates, Inc. 28062 Phone: 315-701-0522 Project No. Micron Campus, Clay, New York 04/26/24 **Date Started** Project Name: **Client:** Ramboll **Date Finished** 04/26/24 Surface Elev. 387.2' Location: See Exploration Location Plan METHODS OF INVESTIGATION GROUNDWATER OBSERVATIONS **Driller:** Beau Fletcher Casing: 3 1/4" ID H.S.A. **Date** Time Depth (Ft.) Casing At (Ft.) Driller: Ryan Casatelli **Casing Hammer:** While Drilling 7.5 Inspector: NO-Core 04/26/24 13.5 Other: Drill Rig: Soil Sampler: 2" OD Split Barrel 04/26/24 Before Casing Removed None Noted 26.0 CME 55 ATV 04/26/24 After Casing Removed 2.5 * Type: Hammer Wt: 140 lbs. out **Rod Size:** AWJ Hammer Fall: 30 in. 04/26/24 After Casing Removed caved @ 7.6 out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35% Sample Change From To RQD % No. Per 6 Inches little - 10 to 20% / trace - 0 to 10%(Feet) Rec. (in.) (Ft.) f - fine Topsoil and Organic Material (moist) 1**A** 0.0 0.5 SS/18 WH-1-2-4 0 3 0.5 2.0 Brown/Grey mottled SILT, trace CLAY (moist, soft) 1B 1 2 2 2.0 SS/16 8-8-7-11 Brown SILT, trace fine SAND, trace CLAY (wet, very stiff) 15 4.0 3 3 SS/22 7 4 4.0 6.0 2-4-3-3 Brown/Grey SILT, trace CLAY (wet, medium stiff) 5 6 4 6.0 8.0 SS/16 2-2-3-2 Brown SILT, little CLAY (wet, medium stiff) 5 7 2-4-11-6 8 5A 8.0 9.0 SS/16 Grey/Brown CLAY, some mf GRAVEL, little SILT, trace cmf 15 SAND (wet, very stiff) Black highly weathered ROCK Fragments (Shale) (wet) 9 5B 9.0 10.0 10 11 12 13 6 13.5 13.6 SS/1 50@1" Similar as above (wet) 50+ 14

Auger Refusal @ 16.0'. Set up to core.

Broken and fractured zone @ 16.0' - 17.2'. Recovery: 55"/60" = 92% | ROD: 42"/60" = 70%

15 Pieces, 14" Chips and Fragments

1:00 - 2:00 min/ft, no water loss

Continued on Page 2

hard to hard.

Grey DOLOSTONE with interbedded SHALE layers (<1/8' - 2"

Coring conducted in 4th gear, 1500 rpm, 700 psi down pressure.

thick), slightly weathered, thinly laminated to thinly bedded, medium

70%

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

NQ-Core

Remarks: * Water added to boring for coring.

21.0

C/55

15

16

17

18

19

R-1

16.0

Test Boring Logs - Page 39 of 201

6035 Corporate Drive
East Syracuse, NY 13057
Phone: 315, 701, 0522

SUBSURFACE EXPLORATION TEST BORING LOG

Boring No. B-536

Page No. 2 of 2

Project No. 28062

	Asso	ciates	s, Inc.	Phone: 3	315-701-0522		TEST BORING	LUG	Project No.	28062
					MPLES		VISUAL CLAS	SIFICATION (OF MATERIAL	
Depth		Sample	e Depth	Type /	Blows on	Depth of				SPT "N'
Scale	Sample	(F From	t.) To	Sample	Sampler	Change	m - medium		0% / some - 20 to 35%	or
(Feet)	No.	From	10	Rec. (in.)	Per 6 Inches	(Ft.)	f - fine Continued from Page 1	mue - 10 to 2	20% / trace - 0 to 10%	RQD %
21 22	R-2	21.0	26.0	C/57	NQ-Core		Grey DOLOSTONE with thick), slightly weathered, hard to hard. Weathered z	thinly laminated t	to thinly bedded, med	53% ium
23							Recovery: 57"/60" = 95% RQD: 32"/60" = 53%		ο.	
24							21 Pieces, 2" Chips and Fi 1:00 min/ft, no water loss			
25							Coring conducted in 4th g	rear, 1500 rpm, 70)0 psi down pressure.	
26							Bottom of Boring @ 26.0			
27										
28										
30	_									
31										
32										
33										
34										
35										
36 37										
38										
39										
40	1									
41										
42										
43										
44	_									

Attachment to CME Report Number: 28062B-04-0724 Test Boring Logs - Page 40 of 201 Boring No. B-537 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 2 **TEST BORING LOG** Associates, Inc. Phone: 315-701-0522 Project No. 28062 Project Name: **Date Started** 04/25/24 Micron Campus, Clay, New York **Client:** Ramboll **Date Finished** 04/25/24 392.5' Location: See Exploration Location Plan Surface Elev. METHODS OF INVESTIGATION **GROUNDWATER OBSERVATIONS Driller:** H. Lyon Casing: 3 1/4" ID H.S.A. **Date** Time Depth (Ft.) Casing At (Ft.) Driller: K. Crandall **Casing Hammer:** While Drilling C. O'Hara 04/25/24 9.0 13.0 Inspector: Other: Drill Rig: **CME 45** 2" OD Split Barrel 04/25/24 Before Casing Removed 22.0 Soil Sampler: 7.8 ATV 04/25/24 After Casing Removed 3.5 Type: **Hammer Wt:** 140 lbs. out **Rod Size:** AWJ Hammer Fall: 30 in. 04/25/24 After Casing Removed caved @ 8.6 out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35% Sample Change RQD % From To Per 6 Inches little - 10 to 20% / trace - 0 to 10%(Feet) No. (Ft.) f - fine Rec. (in.) 1**A** 0.5 SS/17 1-WH-2-2 Topsoil and Organic Material (moist) 0.0 2.0 Brown SILT, little CLAY, trace ROOTS (moist, soft) 1B 0.5 1 2 2 2.0 SS/16 Brown/Grey mottled SILT, little CLAY (moist, stiff) 4.0 2-4-4-5 8 3 4 3 4.0 6.0 SS/14 2-2-2-3 Brown SILT, trace CLAY (moist, medium stiff) 4 5 4 6.0 8.0 SS/13 4-4-5-5 Similar as above (wet, stiff) 9 6 7 8 5 8.0 10.0 SS/15 4-5-6-6 Similar as above (wet, stiff) 11 9 10 11 12 SS/14 Grey/Brown SILT, little CLAY (wet, soft) 6 13.0 15.0 1-2-1-4 3 13 14

soft)

(wet)

(wet, stiff)

Augered like Cobble @ 18.5'

Continued on Page 2

Grey SILT, some CLAY, little cmf SAND, little mf GRAVEL (wet,

Grey SILT, some CLAY, trace cmf SAND, trace fine GRAVEL

Black highly weathered ROCK Fragments (Shale), some SILT

11

18

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

1-2-1-WH

WR-4-7-10

6-9-9-26

Remarks:

7

8

9

15.0

17.0

19.0

17.0

19.0

21.0

SS/15

SS/14

SS/7

15

16

17

18

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Test Boring Logs - Page 41 of 201

6035 Corporate Drive
East Syracuse, NY 13057
Phone: 315-701-0522

SUBSURFACE EXPLORATION
TEST BORING LOG

 Boring No.
 B-537

 Page No.
 2 of 2

 Project No.
 28062

Associates, Inc. Phone: 315-701-0522 LOG OF BORING SAMPLES						VISUAL CLASSIFICATION OF MATERIAL				28062
Depth Scale (Feet)	Sample No.	Sample	Depth Tt.)	Type / Sample Rec. (in.)	Blows on Sampler Per 6 Inches	Depth of Change (Ft.)		and - 35 to 50	and - 35 to 50% / some - 20 to 35% little - 10 to 20% / trace - 0 to 10%	
20	110.	1 10111	10	ACC. (III.)	1 Cr O menes	(Fi.)	Continued from Page 1	nue - 10 to 2	0/0/ Hacc - 0 to 10/0	RQD %
21							ommute nom ruge r			
22	10	22.0	22.0	SS/0	50@0"		Black ROCK Fragments (I Refusal @ 22.0'			
23							Bottom of Boring @ 22.0'			
24										
25										
26										
27										
28										
29										
30	1									
31										
32										
33										
34										
35										
36										
37										
38										
39										
40	†									
41										
42										
43										
44										
45	1									

Attachment to CME Report Number: 28062B-04-0724 Test Boring Logs - Page 42 of 201 Boring No. **B-538** 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 1 **TEST BORING LOG** Associates, Inc. Phone: 315-701-0522 Project No. 28062 04/24/24 Project Name: **Date Started** Micron Campus, Clay, New York Client: Ramboll **Date Finished** 04/24/24 388.1' Location: See Exploration Location Plan Surface Elev. METHODS OF INVESTIGATION **GROUNDWATER OBSERVATIONS Driller:** H. Lyon Casing: 3 1/4" ID H.S.A. **Date** Time Depth (Ft.) Casing At (Ft.) **Driller:** K. Crandall **Casing Hammer:** While Drilling C. O'Hara 04/24/24 3.0 10.0 Inspector: Other: Drill Rig: **CME 45** 2" OD Split Barrel 04/24/24 Before Casing Removed 17.3 Soil Sampler: 8.5 ATV 04/24/24 After Casing Removed 3.5 Type: **Hammer Wt:** 140 lbs. out **Rod Size:** AWJ Hammer Fall: 30 in. 04/24/24 After Casing Removed caved @ 9.5 out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35% Sample Change From To Per 6 Inches little - 10 to 20% / trace - 0 to 10%RQD % (Feet) No. Rec. (in.) (Ft.) f - fine 1**A** SS/12 WH-1-2-5 Topsoil and Organic Material (moist) 0.0 0.7 3 Brown/Grey mottled SILT, little CLAY, trace ROOTS (moist, soft) 1B 0.7 2.0 1 2 2 2.0 SS/14 3-5-7-8 Brown/Grey mottled SILT, trace CLAY (moist, stiff) 12 4.0 3 4 3 4.0 6.0 SS/15 4-5-5-5 Brown SILT, trace CLAY, trace fine SAND (moist, stiff) 10 5 14 4 6.0 8.0 SS/16 4-5-9-9 Brown SILT, trace CLAY (moist, stiff) 6 7 8 5 8.0 10.0 SS/13 2-2-2-3 Grey SILT, little CLAY (wet, medium stiff) 4 9

SILT (wet)

Augers harder @ 16.3' Augers very hard @ 16.6'

Auger Refusal @ 17.3'

Bottom of Boring @ 17.3'

Grey SILT, trace CLAY (wet, medium stiff)

Grey SILT, little CLAY, trace fine SAND (wet, very soft)

Dark Grey/Black highly weathered ROCK Fragments (Shale) and

Black ROCK Fragments in tip of Split Spoon. Split Spoon and

4

1

14

50+

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks: * recovery length not measured

SS/14

SS/*

SS/0

12.0

14.0

16.0

17.5

2-2-2-2

WH-1-WR-1

3-6-8-40

50@3"

10

11

12

13

14

15

16

17

18

19

6

7

8

9

10.0

12.0

14.0

17.3

Attachment to CME Report Number: 28062B-04-0724 Test Boring Logs - Page 43 of 201 Boring No. B-539 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 1 **TEST BORING LOG** Associates, Inc. Phone: 315-701-0522 Project No. 28062 04/25/24 Project Name: **Date Started** Micron Campus, Clay, New York Client: Ramboll **Date Finished** 04/25/24 Surface Elev. 387.5' Location: See Exploration Location Plan METHODS OF INVESTIGATION **GROUNDWATER OBSERVATIONS Driller:** H. Lyon Casing: 3 1/4" ID H.S.A. **Date** Time Depth (Ft.) Casing At (Ft.) Driller: K. Crandall **Casing Hammer:** While Drilling C. O'Hara 04/25/24 1.0 8.0 Inspector: Other: Drill Rig: **CME 45** 2" OD Split Barrel 04/25/24 Before Casing Removed 8.2 15.7 Soil Sampler: ATV 04/25/24 After Casing Removed 2.2 Type: **Hammer Wt:** 140 lbs. out **Rod Size:** AWJ Hammer Fall: 30 in. 04/25/24 After Casing Removed caved @ 7.3 out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35% Sample Change From To RQD % Per 6 Inches little - 10 to 20% / trace - 0 to 10%(Feet) No. Rec. (in.) (Ft.) f - fine 1**A** 0.4 SS/16 WH-1-3-4 Topsoil and Organic Material (moist) 0.0 2.0 Brown SILT, trace CLAY, trace ROOTS (moist, medium stiff) 1B 0.4 1 2 2 SS/15 3-5-5-4 Brown/Grey mottled SILT, trace CLAY (moist, stiff) 10 2.0 4.0 3 4 3 4.0 6.0 SS/11 4-5-5-4 Similar as above (moist, stiff) 10 5 4 6.0 8.0 SS/13 3-3-3-2 Grey/Brown SILT, trace CLAY (wet, medium stiff) 6 6 7 8 5 8.0 10.0 SS/17 2-2-3-2 Grey SILT, little CLAY (moist, medium stiff) 5 9 10 11 Augers gravelly beginning @ 11.0' Augers harder beginning @ 11.5' 12 15.0 SS/11 11-16-13-9 Dark Grey/Black ROCK Fragments (Dolostone) (wet) 29 13 6 13.0 14

Augers harder beginning @ 15.3'

Bottom of Boring @ 15.7'

Split Spoon and Auger Refusal @ 15.7'

50+

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

50@0"

15

16

17

18

19

7

15.7

15.7

Attachment to CME Report Number: 28062B-04-0724 Test Boring Logs - Page 44 of 201 Boring No. B-540 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 1 **TEST BORING LOG** Associates, Inc. Phone: 315-701-0522 Project No. 28062 04/26/24 Project Name: **Date Started** Micron Campus, Clay, New York Client: Ramboll **Date Finished** 04/26/24 389.7' Location: See Exploration Location Plan Surface Elev. METHODS OF INVESTIGATION **GROUNDWATER OBSERVATIONS Driller:** H. Lyon Casing: 3 1/4" ID H.S.A. **Date** Time Depth (Ft.) Casing At (Ft.) Driller: K. Crandall **Casing Hammer:** While Drilling C. O'Hara 04/26/24 5.0 15.0 Inspector: Other: Drill Rig: CME 55 2" OD Split Barrel 04/26/24 19.1 Soil Sampler: Before Casing Removed 6.9 ATV 04/26/24 After Casing Removed 7.0 Type: **Hammer Wt:** 140 lbs. out **Rod Size:** AWJ Hammer Fall: 30 in. 04/26/24 After Casing Removed caved @ 7.8 out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35% Sample Change From То RQD % Per 6 Inches little - 10 to 20% / trace - 0 to 10%(Feet) No. (Ft.) f - fine Rec. (in.) 1**A** 0.3 SS/14 Topsoil and Organic Material (moist) 0.0 1-1-1-5 2.0 Brown SILT, trace CLAY (moist, soft) 1B 0.3 1 2 2 2.0 SS/17 3-5-5-5 Similar as above (moist, stiff) 10 4.0 3 4 3 4.0 6.0 SS/13 4-6-4-3 Similar as above (moist, stiff) 10 5 4 6.0 8.0 SS/15 4-6-7-6 Brown SILT, trace CLAY, trace fine SAND (moist, stiff) 13 6 7 Brown SILT, trace CLAY, trace cmf SAND (wet, stiff) 8 5 8.0 10.0 SS/18 4-4-5-6 9 9 10 11 12 15.0 SS/17 WR-WH-3-5 Grey/Brown CLAY, some SILT, trace cmf SAND, trace fine 6 13.0 3 13 GRAVEL (wet, soft) 14 7 15 15.0 17.0 5-7-5-4 Grey CLAY, some SILT, little mf GRAVEL, trace cmf SAND (wet, 12

stiff)

Black highly weathered ROCK Fragments (Shale), some SILT (wet)

Split Spoon and Auger Refusal @ 19.1'

Bottom of Boring @ 19.1'

50+

50 +

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

20-50@5"

50@0"

16

17

18

19

8

9

18.0

19.1

9.0

19.1

SS/3

ttachment to CME Report Number: 28062B-04-0724 Test Boring Logs - Page 45 of 201 Boring No. **B-541** 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 1 **TEST BORING LOG** Phone: 315-701-0522 Project No. 28062 Project Name: **Date Started** 04/26/24 Micron Campus, Clay, New York Client: Ramboll **Date Finished** 04/26/24 Surface Elev. 385.3' Location: See Exploration Location Plan METHODS OF INVESTIGATION **GROUNDWATER OBSERVATIONS Driller:** H. Lyon Casing: 3 1/4" ID H.S.A. **Date** Time Depth (Ft.) Casing At (Ft.) Driller: K. Crandall **Casing Hammer:** While Drilling C. O'Hara 04/26/24 11.7 13.0 Inspector: Other: Drill Rig: CME 55 2" OD Split Barrel 04/26/24 Before Casing Removed 5.0 19.1 Soil Sampler: ATV 04/26/24 After Casing Removed 4.5 8.0 Type: Hammer Wt: 140 lbs. AWJ **Rod Size:** Hammer Fall: 30 in. 04/26/24 After Casing Removed caved @ 11.1 out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35% Sample Change From То RQD % Per 6 Inches little - 10 to 20% / trace - 0 to 10%(Feet) No. (Ft.) f - fine Rec. (in.) 1**A** 0.3 SS/14 Topsoil and Organic Material (moist) 0.0 1-1-1-5 2.0 Brown SILT, little CLAY (moist, soft) 1B 0.3 1 2 2 2.0 SS/17 5-9-9-9 Brown/Grey mottled SILT, trace CLAY (moist, very stiff) 18 4.0 3 4 3 4.0 6.0 SS/13 8-7-7-7 Brown SILT, trace fine SAND, trace CLAY (moist, stiff) 14 5 4 6.0 8.0 SS/14 9-7-5-5 Brown SILT, trace CLAY (wet, stiff) 12 6 7 Brown/Grey SILT, little CLAY (wet, stiff) 8 5 8.0 10.0 SS/15 4-4-4-4 8 9 10 11 12 15.0 SS/10 Brown/Grey SILT, little mf GRAVEL, trace cmf SAND, trace 13 6 13.0 1-3-5-6 8 CLAY (wet, stiff) 14 15 Augers gravelly beginning @ 15.5' 16

Augers harder beginning @ 17.3'

Bottom of Boring @ 19.1'

Split Spoon and Auger Refusal @ 19.1'

(wet)

Black highly weathered ROCK Fragments (Dolostone), some SILT

50+

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

31-50@5"

50@0"

SS/11

SS/0

Remarks:

17

18

19

7

8

18.7

19.6

19.6

19.7

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

16

17

18

19

(wet, stiff)

Continued on Page 2

Grey SILT, some mf GRAVEL, trace cmf SAND, trace CLAY

Grey highly weathered ROCK Fragments (Shale) (wet)

11

50+

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

6-6-5

50@5"

Remarks: *Water added to boring for coring.

18.9

SS/12

SS/5

15.0

12

13

14

15

16

17

18

19

6

7

13.5

18.5

Test Boring Logs - Page 48 of 201

6035 Corporate Drive
East Syracuse, NY 13057
Phone: 315-701-0522

SUBSURFACE EXPLORATION
TEST BORING LOG

 Boring No.
 B-543

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 Project No.
 28062

LOG OF BORING SAMPLES				315-701-0522		TEST BORENG		Project No.	28062					
	LO	G OF	BOR	ING SA	AMPLES		VISUAL CLAS	SIFICATION (OF MATERIAL					
Depth Scale (Feet)	Sample No.	_	e Depth	Type / Sample Rec. (in.)	Blows on Sampler Per 6 Inches	Depth of Change	c - coarse m - medium f - fine		0% / some - 20 to 35% 20% / trace - 0 to 10%	SPT "N' or RQD %				
20	No.	From	10	Rec. (in.)	Per 6 inches	(Ft.)	Continued from Page 1	nue - 10 to 2	20% / trace - 0 to 10%	RQD %				
21 22	R-1	20.2	25.2	C/58	NQ-Core		Auger Refusal @ 20.2'. S Grey DOLOSTONE with thick), slightly weathered, medium hard to hard. We	interbedded SHA thinly laminated t athered horizonta	to medium bedded, Il fractures @ 22.2' a					
23							24.2'. Broken and fracture Recovery: 58"/60" = 97% 18 Pieces, 3" Chips and F	6 RQD: 40"/60" = ragments						
24							1:00 min/ft, no water loss Coring conducted in 4th g		00 nai dawa nagawa					
25	R-2	25.2	30.2	C/57	NQ-Core		Grey DOLOSTONE with	with interbedded SHALE layers (<1/8" - 2.0" ered, thinly laminated to thinly bedded, medium						
26							hard to hard. Weathered 1 27.3 - 27.4 and 29.1'. Bro							
27							and 28.8' - 28.9'. Recovery: 57"/60" - 95% RQD: 35"/60" = 58%							
28							24 Pieces, 4" Chips and Fi 1:00 min/ft, no water loss	d Fragments						
29							Coring conducted in 4th g		00 psi down pressure	2.				
30							Bottom of Boring @ 30.2							
31														
32														
33														
34														
35														
36														
37														
38														
39														
40														
41														
43														
44														
45	1													

Auger Refusal @ 15.5'. Set up to core.

17 Pieces, 9" Chips and Fragments

1:00 min/ft, no water loss

Continued on Page 2

Grey DOLOSTONE with interbedded SHALE layers (<1/8" - 2.0"

thick), slightly weathered, thinly laminated to thinly bedded, hard.

Coring conducted in 4th gear, 1500 rpm, 700 psi down pressure.

Broken and fractured zones @ 16.4' - 16.6' and 17.5' - 18.5'. Weathered zones (1/2" - 3 1/4" thick) @ 16.7' and 18.3'.

Recovery: $60''/60'' = 100\% \mid ROD: 24''/60'' = 40\%$

40%

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

NQ-Core

Remarks: *Water added to boring for coring.

20.5

C/60

R-1

16

17

18

19

15.5

Test Boring Logs - Page 50 of 201

6035 Corporate Drive
East Syracuse, NY 13057
Phone: 315-701-0522

SUBSURFACE EXPLORATION
TEST BORING LOG

 Boring No.
 B-544

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 2 of 2

 Project No.
 28062

LOG OF BORING SAMPLES					315-701-0522		TEST DOKING		Project No.	28	062
	LO	G OF	BOR	ING SA	AMPLES		VISUAL CLAS	SIFICATION (OF MATERIA	L	
Depth Scale (Feet)	Sample No.	Sample (F From		Type / Sample Rec. (in.)	Blows on Sampler Per 6 Inches	Depth of Change (Ft.)	c - coarse m - medium f - fine		0% / some - 20 to 35% 20% / trace - 0 to 10%		SPT "N" or RQD %
20	R-2	20.5		C/60	NQ-Core	(11.)	Continued from Page 1 Grey DOLOSTONE with thick), slightly weathered,	interbedded SHA	LE layers (<1/8"	- 2.0"	83%
22							Broken and weathered zon Recovery: 60"/60" = 100	nes @ 21.5' - 21.6			
23							RQD: 50"/60" = 83% 17 Pieces, 2" Chips and Fi 1:00 min/ft, no water loss				
24							Coring conducted in 4th g		00 psi down press	ure.	
25							Bottom of Boring @ 25.5	,			
26 27											
28											
29											
30											
31											
32											
34											
35											
36											
37											
38											
40											
41											
42											
43											
44											
45											

Grey cmf GRAVEL, little SILT, trace cmf SAND (wet, loose)

Continued on Page 2

7

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

2-3-4

Remarks: * Water added to boring for coring.

20.0

SS/6

15

16

17

18

19

7

18.5

Test Boring Logs - Page 52 of 201

6035 Corporate Drive
East Syracuse, NY 13057
Associates, Inc.
Phone: 315-701-0522

SUBSURFAC
TEST B

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-545

 Page No.
 2 of 2

 Project No.
 28062

					15-701-0522		TEST DOMING		Project No.	28062		
	LO	G OF	BOR	ING SA	MPLES		VISUAL CLAS	SIFICATION (OF MATERIAL			
Depth Scale (Feet)	Sample (Ft.) Sample Sampler Chi				Sampler	Depth of Change (Ft.)	c - coarse m - medium f - fine		0% / some - 20 to 35% 20% / trace - 0 to 10%	SPT "N' or RQD %		
20					2 0 11101100	(1.11)	Continued from Page 1			1142 //		
21												
22												
23	8	23.5	25.0	SS/16	13-35-35		Dark Grey weathered RO	CK Fragments (De	olostone) (wet)	70		
24												
25							Auger Refusal @ 25.7'. S	et un to core				
26	R-1	25.7	30.7	C/60	NQ-Core		Grey DOLOSTONE with	interbedded SHA	•	77%		
27							hard to hard.	ghtly weathered, laminated to thinly bedded, medium ard. d and broken zones @ 26.0' - 26.1' and 29.5' - 29.9'.				
28							SILT seam @ 26.8' - 27.1					
29							Recovery: 60"/60" = 100 16 Pieces, 5" Chips and F	, -	7 = 77%			
30	<u> </u>						1:00 - 2:30 min/ft, no wat Coring conducted in 4th g	er loss	00 nsi down pressure			
31	R-2	30.7	35.7	C/59	NQ-Core		Grey DOLOSTONE with thick), slightly weathered,	interbedded SHA	LE layers (1/8" - 2"	83%		
							hard to hard.					
32							Weathered and broken zo CALCITE deposit (~ 1" th		•			
33							Recovery: 59"/60" = 98% 9 Pieces, 2" Chips and Fra		= 83%			
34							1:00 min/ft, no water loss Coring conducted in 4th s		00 nci down nrossuro			
35	<u>.</u>								oo psi down pressure.			
36							Bottom of Boring @ 35.7	•				
37												
38												
39												
	_											
40												
41												
42												
43												
44												
45	45											

Attachment to CME Report Number: 28062B-04-0724 Test Boring Logs - Page 53 of 201 Boring No. B-546 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 2 **TEST BORING LOG** Associates, Inc. Phone: 315-701-0522 Project No. 28062 04/22/24 **Date Started** Project Name: Micron Campus, Clay, New York **Client:** Ramboll **Date Finished** 04/22/24 Surface Elev. 394.5' Location: See Exploration Location Plan METHODS OF INVESTIGATION **GROUNDWATER OBSERVATIONS Driller:** Beau Fletcher 3 ¼" ID H.S.A. Casing: **Date** Time Depth (Ft.) Casing At (Ft.) Driller: Ryan Casatelli **Casing Hammer:** While Drilling Inspector: 04/22/24 14.0 18.5 Other: Drill Rig: 2" OD Split Barrel 04/22/24 Before Casing Removed 11.5 22.5 CME 550X Soil Sampler: ATV 140 lbs. 04/22/24 After Casing Removed None Noted Type: Hammer Wt: out **Rod Size:** AWJ Hammer Fall: 30 in. 04/22/24 After Casing Removed caved @ 5.0 out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Blows on Depth c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35% Sample Change То RQD % No. From Per 6 Inches little - 10 to 20% / trace - 0 to 10%(Feet) Rec. (in.) (Ft.) f - fine 1**A** 1.0 SS/16 1-WH-4-7 Topsoil and Organic Material (moist) 0.0 1 1B 1.0 2.0 Brown SILT, trace CLAY, trace ORGANIC MATERIAL (moist, medium stiff) 2 2 2.0 SS/22 6-8-7-7 Brown/Grey mottled SILT, trace CLAY, trace fine SAND (wet, very 15 4.0 stiff) 3 3 SS/18 4 4.0 6.0 2-3-3-4 Brown SILT, trace CLAY (wet, medium stiff) 6 5 6 4 6.0 8.0 SS/20 1-2-2-3 Brown SILT, little CLAY (wet, medium stiff) 4 7 Brown/Red SILT, little CLAY, little cmf SAND, trace fine 8 5 8.0 10.0 SS/17 8-7-2-4 9 GRAVEL (wet, stiff) 9 10 11 12 13 6 13.5 15.0 **SS/8** 10-11-16 Brown SILT and cmf GRAVEL, little cmf SAND, trace CLAY 27 14 (wet, very stiff)

compact)

Continued on Page 2

Grey mf GRAVEL, little cmf SAND, little SILT (wet, medium

19

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

7-7-12

Remarks:

15

16

17

18

19

7

20.0

18.5

Test Boring Logs - Page 54 of 201

6035 Corporate Drive
East Syracuse, NY 13057
Phone: 315-701-0522

SUBSURFACE EXPLORATION
TEST BORING LOG

 Boring No.
 B-546

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 2 of 2

 Project No.
 28062

Associates, Inc. Phone: 315-701-0522 LOG OF BORING SAMPLES					315-701-0522		TEST BURING I	JUG	Project No.	280	062
Depth Sample Depth Type / Blows on							VISUAL CLASS	SIFICATION (
Depth Scale (Feet)	Sample No.	Sample	e Depth		Blows on Sampler Per 6 Inches	Depth of Change (Ft.)	c - coarse m - medium f - fine	and - 35 to 50	0% / some - 20 to 35% 20% / trace - 0 to 10%		SPT "N" or RQD %
20							Continued from Page 1				-
21											
22	8	22.5	22.5	SS/0	50@0"		Split Spoon and Auger Rej	Susal @ 22.5'			50+
23		22.3	22.3	33/0	30(0)0		Bottom of Boring @ 22.5'	usui & 22.5			301
24											
25											
26											
27											
28											
29											
30											
31											
32											
33											
34											
35											
36											
37											
38											
39											
40											
41											
42											
43											
44											
45	Ī	1									

Brown/Grey SILT, little mf GRAVEL, trace cmf SAND, trace

Grey/Black cmf GRAVEL, little cmf SAND, trace SILT (wet, very

CLAY (wet, medium stiff)

compact)

Continued on Page 2

Augered gravelly beginning @ 16.0'

5

50 +

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

3-2-3

50@3"

Remarks: *Water added to boring for coring.

18.8

13

14

15

16

17

18

19

6

7

13.5

18.5

15.0

SS/4

Test Boring Logs - Page 56 of 201

6035 Corporate Drive
East Syracuse, NY 13057
Phone: 315-701-0522

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-547

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 2 of 2

 Project No.
 28062

Associates, Inc. Phone: 315-701-0522 LOG OF BORING SAMPLES					315-701-0522		TEST BURING	LUG	Project No.	28	062	
LOG OF BORING SAMPLES Depth Sample Depth Type / Blows on							VISUAL CLAS	SIFICATION (OF MATERIA	L		
Depth		Sample	e Depth	Type /	I	Depth of	c - coarse				SPT "N"	
Scale (Feet)	Sample No.	(F From	t.) To	Sample Rec. (in.)	Sampler Per 6 Inches	Change (Ft.)	m - medium f - fine		0% / some - 20 to 35% 20% / trace - 0 to 10%		or RQD %	
20				()		,	Continued from Page 1	-			·	
21							Auger Refusal @ 21.0'. S	et un to core				
21	R-1	21.0	26.0	C/56	NQ-Core		Grey DOLOSTONE with		LE layers (<1/8"	- 1"	28%	
22							thick), slightly weathered,	thinly laminated t	to thinly bedded, 1	medium		
23							hard to hard. Broken and fractured zone	es @ 21.0' - 21.2'	and 24.0' - 24.3'.			
						Weathered horizontal fractures @ 21.4', 21.7', 22.6' and 23.2'. Recovery: 56"/60" = 93% RQD: 17"/60" = 28%						
24							Recovery: 56"/60" = 93% 22 Pieces, 8" Chips and Fi		= 28%			
25	<u>.</u>					1:00 min/ft, no water loss						
26	R-2	26.0	31.0	C/59		Coring conducted in 4th gear, 1500 rpm, 700 psi down pressure. Grey DOLOSTONE with interbedded SHALE layers (<1/8" - 2"						
			31.0	0,00			thick), slightly weathered,				90%	
27							hard to hard. Weathered horizontal frac	rture @ 27 0'				
28							Recovery: $59''/60'' = 98\%$	6 RQD: 54"/60" =	= 90%			
29							10 Pieces, 4" Chips and Fi 1:00 min/ft, no water loss	and Fragments				
29								s gear, 1500 rpm, 700 psi down pressure.				
30												
31							Bottom of Boring @ 31.0					
22												
32												
33												
34												
35												
36												
37												
38												
39												
40	1											
41												
42												
43												
44												
45	1											

Attachment to CME Report Number: 28062B-04-0724 Test Boring Logs - Page 57 of 201 Boring No. B-548 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 2 **TEST BORING LOG** Associates, Inc. Phone: 315-701-0522 Project No. 28062 04/22/24 **Date Started** Project Name: Micron Campus, Clay, New York **Client:** Ramboll **Date Finished** 04/22/24 Surface Elev. 393.4' Location: See Exploration Location Plan METHODS OF INVESTIGATION **GROUNDWATER OBSERVATIONS Driller:** H. Lyon Casing: 3 1/4" ID H.S.A. **Date** Time Depth (Ft.) Casing At (Ft.) Driller: K. Crandall **Casing Hammer:** While Drilling C. O'Hara 04/22/24 6.8 13.0 Inspector: Other: Drill Rig: **CME 45** 2" OD Split Barrel 04/22/24 Before Casing Removed 20.8 Soil Sampler: 5.3 ATV 04/22/24 After Casing Removed None Noted Type: **Hammer Wt:** 140 lbs. out caved @ **Rod Size:** AWJ Hammer Fall: 30 in. 04/22/24 After Casing Removed out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Sample Scale Sampler m - medium and - 35 to 50% / some - 20 to 35% Sample Change From То RQD % Per 6 Inches little - 10 to 20% / trace - 0 to 10%(Feet) No. Rec. (in.) (Ft.) f - fine 1**A** 0.5 SS/11 Topsoil and Organic Material (moist) 0.0 1-1-3-5 2.0 Brown SILT, trace CLAY (moist, medium stiff) 1B 0.5 1 2 2 2.0 SS/14 3-4-5-5 Brown/Grey mottled SILT, trace CLAY (moist, stiff) 9 4.0 3 SS/13 4 3 4.0 6.0 3-4-5-5 Brown SILT, little CLAY (moist, stiff) 9 5 4 6.0 8.0 SS/12 2-1-4-5 Brown SILT, trace CLAY (wet, medium stiff) 5 6 7 8 5 8.0 10.0 SS/14 4-5-6-5 Similar as above (wet, stiff) 11 9 10 11 Augers harder like Cobble @ 12.0' 12 15.0 SS/9 7-25-23-30 Grey/Brown cmf GRAVEL and SILT, trace cmf SAND (wet, 13 6 13.0 48 compact) 14

Grey/Brown cmf GRAVEL, some SILT, trace cmf SAND (wet,

cmf SAND (moist) Continued on Page 2

Black highly weathered ROCK Fragments (Shale) and SILT, trace

41

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

17-23-18-30

Remarks:

15

16

17

18

19

7A

7B

18.0

18.5

18.5

20.0

Test Boring Logs - Page 58 of 201

6035 Corporate Drive
East Syracuse, NY 13057
Phone: 315-701-0522

SUBSURFACE EXPLORATION
TEST BORING LOG

 Boring No.
 B-548

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 Project No.
 28062

	Ass	ociate	s, Inc.	Phone: 3	315-701-0522		IESI BURING I	LUG	Project No.	28	062
					AMPLES		VISUAL CLAS	SIFICATION O	OF MATERIAL		
Depth Scale	Sample	Sample (F	e Depth	Type / Sample	Blows on Sampler	Depth of Change	c - coarse m - medium	and - 35 to 50	0% / some - 20 to 35%		SPT "N" or
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)	f - fine Continued from Page 1	little - 10 to 2	20% / trace - 0 to 10%		RQD %
20							Augers harder beginning	@ 20.8'			
21	8	20.8	20.8	SS/0	50@0"		Split Spoon Refusal - No I	Recovery			50+
22							Bottom of Boring @ 20.8				
22											
23											
2.4											
24											
25	•										
26											
26											
27											
28											
20											
29											
30	1										
31											
32											
22											
33											
34											
35	1										
33											
36											
37											
31											
38											
39											
40											
41											
42											
43											
44											
45	1										

Brown/Red SILT and mf SAND, trace CLAY (wet, stiff)

Dark Grey cmf GRAVEL, some SILT, little cmf SAND (wet, very

8

26

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

stiff)

Continued on Page 2

2-4-4

8-14-12

Remarks: *Water added to boring for coring.

20.0

13

14

15

16

17

18

19

6

7

13.5

18.5

15.0

SS/16

Test Boring Logs - Page 60 of 201

6035 Corporate Drive East Syracuse, NY 13057 Associates, Inc. Phone: 315-701-0522

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-549

 Page No.
 2 of 2

 Project No.
 28062

Associates, Inc. Phone: 315-701-0522 LOG OF BORING SAMPLES					315-701-0522		TEST DOMING		Project No.	280	062			
	LO	G OF	BOR	ING SA	AMPLES		VISUAL CLAS	SIFICATION (OF MATERIAL	TERIAL SPT "				
Depth Scale (Feet)	Sample No.		e Depth ft.)	Type / Sample Rec. (in.)	Blows on Sampler Per 6 Inches	Depth of Change (Ft.)	c - coarse m - medium f - fine		and - 35 to 50% / some - 20 to 35% little - 10 to 20% / trace - 0 to 10%					
20	1,5,	-10111	1.5	(m.)	_ 57 0 Mones	(2.0)	Continued from Page 1	1010	3.01070		RQD %			
21														
22														
23	8	23.5	25.0	SS/12	27-26-31		Dark Grey cmf GRAVEL	and weathered RO	OCK Fragments t	race	57			
24		23.3	23.0	55/12	27-20-31		cmf SAND, trace SILT (w		-	racc	31			
25	1					Auger Refusal @ 25.1. Set up to core. Grey DOLOSTONE with interbedded SHALE layers (<1/8" - 2"								
26	R-1	25.1	30.1	C/57	NQ-Core		Grey DOLOSTONE with thick), slightly weathered, hard to hard.		• '		65%			
27							Broken and fractured zone broken zone (1/2" thick) @							
28							Recovery: 57"/60" = 95% 16 Pieces, 3" Chips and F	6 RQD: 39"/60"						
29							1:15 min/ft, no water loss Coring conducted in 4th g	gear, 1700 rpm, 70						
30	R-2	30.1	35.1	C/60	NQ-Core		Grey DOLOSTONE with thick), slightly weathered,		100%					
31							medium hard to hard. Recovery: 60"/60" = 100"/	%						
32 33							RQD: 60"/60" = 100% 11 Pieces, 0" Chips and F 1:00 min/ft, no water loss	•						
34							Coring conducted in 4th g		00 psi down pressi	ure.				
35							Bottom of Boring @ 35.1							
36														
37														
38														
39														
40														
41														
42														
43														
44														
45	I	I					ĺ				l			

Attachment to CME Report Number: 28062B-04-0724 Test Boring Logs - Page 61 of 201 Boring No. B-552 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 2 **TEST BORING LOG** Associates, Inc. Phone: 315-701-0522 Project No. 28062 04/22/24 Project Name: **Date Started** Micron Campus, Clay, New York **Client:** Ramboll **Date Finished** 04/22/24 390.3' Location: See Exploration Location Plan Surface Elev. METHODS OF INVESTIGATION **GROUNDWATER OBSERVATIONS Driller:** H. Lyon Casing: 3 1/4" ID H.S.A. **Date** Time Depth (Ft.) Casing At (Ft.) Driller: K. Crandall **Casing Hammer:** While Drilling C. O'Hara 04/22/24 5.4 6.0 Inspector: Other: Drill Rig: **CME 45** 2" OD Split Barrel 04/22/24 Before Casing Removed 22.8 Soil Sampler: 7.0 ATV 04/22/24 After Casing Removed 3.7 Type: Hammer Wt: 140 lbs. out **Rod Size:** AWJ Hammer Fall: 30 in. 04/22/24 After Casing Removed caved @ 8.5 out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35% Sample Change From To Per 6 Inches little - 10 to 20% / trace - 0 to 10%RQD % (Feet) No. (Ft.) f - fine Rec. (in.) Topsoil and Organic Material (moist) 1**A** 0.5 SS/12 1-2-3-2 0.0 5 2.0 Brown SILT, trace CLAY, trace cmf SAND, trace ORGANIC 1B 0.5 1 MATERIAL (moist, medium stiff) 2 2 SS/13 Brown SILT, some CLAY (moist, medium stiff) 7 2.0 4.0 2-4-3-3 3 4 3 4.0 6.0 SS/18 2-1-1-2 Brown CLAY and SILT (moist, soft) 2 5 4 6.0 8.0 SS/15 1-1-1-1 Brown SILT, some CLAY (wet, soft) 2 6 7 8 5 8.0 10.0 SS/13 1-4-5-5 Brown SILT, trace CLAY (wet, stiff) 9 9 10 11 12 15.0 SS/11 2-1-3-2 13 6 13.0 Similar as above (wet, medium stiff) 4 14 7

Similar as above (wet, stiff)

SAND (wet, medium stiff)

Continued on Page 2

Brown/Grey SILT, some mf GRAVEL, little CLAY, trace cmf

9

7

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

3-5-4-4

2-3-4-3

15

16

17

18

19

8

15.0

17.0

17.0

19.0

SS/16

Test Boring Logs - Page 62 of 201

6035 Corporate Drive
East Syracuse, NY 13057
Phone: 315-701-0522

SUBSURFACE EXPLORATION
TEST BORING LOG

 Boring No.
 B-552

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 Project No.
 28062

	Ass	ociate	s, Inc.	Phone: 3	315-701-0522		IESI BURING I	JUG	Project No.	28062
					AMPLES		VISUAL CLASS	SIFICATION (OF MATERIAL	
Depth Scale (Feet)	Sample No.	Sample	e Depth Ft.)	Type / Sample Rec. (in.)	Blows on Sampler Per 6 Inches	Depth of Change (Ft.)	c - coarse m - medium f - fine	and - 35 to 50	0% / some - 20 to 35% 20% / trace - 0 to 10%	SPT "N or RQD %
202122							Continued from Page 1			
23	9	23.0	23.7		19-50@2"	·	Augers harder beginning Grey cmf GRAVEL, some compact) Auger Refusal @ 23.7'		50+	
25							Bottom of Boring @ 23.7'			
2627										
28										
30										
31										
32 33										
34										
35 36										
37										
38 39										
40										
41										
43										
44										

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

16

17

18

19

Attachment to CME Report Number: 28062B-04-0724 Test Boring Logs - Page 64 of 201 Boring No. **B-554** 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 2 **TEST BORING LOG** Associates, Inc. Phone: 315-701-0522 Project No. 28062 04/24/24 Project Name: **Date Started** Micron Campus, Clay, New York Client: Ramboll **Date Finished** 04/24/24 Surface Elev. 393.8' Location: See Exploration Location Plan METHODS OF INVESTIGATION **GROUNDWATER OBSERVATIONS Driller:** H. Lyon Casing: 3 1/4" ID H.S.A. **Date** Time Depth (Ft.) Casing At (Ft.) Driller: K. Crandall **Casing Hammer:** While Drilling C. O'Hara 04/24/24 2.0 8.0 Inspector: Other: Drill Rig: **CME 45** 2" OD Split Barrel 04/24/24 11.0 22.4 Soil Sampler: Before Casing Removed ATV 04/24/24 After Casing Removed 4.0 Type: **Hammer Wt:** 140 lbs. out **Rod Size:** AWJ Hammer Fall: 30 in. 04/24/24 After Casing Removed caved @ 8.3 out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35%Sample Change То RQD % From Per 6 Inches little - 10 to 20% / trace - 0 to 10%(Feet) No. (Ft.) f - fine Rec. (in.) 1**A** 0.5 SS/12 1-WH-1-1 Topsoil and Organic Material (moist) 0.0 Brown SILT, trace CLAY, trace ORGANIC MATERIAL (moist, 2.0 1B 0.5 1 2 2 SS/16 Brown SILT, trace CLAY (moist, medium stiff) 2.0 4.0 2-4-4-5 8 3 4 3 4.0 6.0 SS/13 3-2-2-4 Similar as above (moist, medium stiff) 4 5 4 6.0 8.0 SS/15 3-4-3-4 Similar as above (moist, medium stiff) 7 6 7 8 5 8.0 10.0 SS/17 3-3-4-5 Similar as above (moist, medium stiff) 7 9 10 11 Augers harder like Cobble @ 11.0' 12 15.0 SS/14 5-20-18-16 13 6 13.0 Brown cmf SAND, some SILT, trace fine GRAVEL (moist, 38 compact) 14

Brown/Grey cmf SAND and SILT, little fine GRAVEL (wet,

medium compact)

Continued on Page 2

11

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

WH-3-8-16

Remarks:

15

16

17

18

19

7

18.0

20.0

Test Boring Logs - Page 65 of 201

6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 **TEST BORING LOG**

Boring No. B-554 Page No. 2 of 2

Associates, Inc. Phone: 315-701-0522 LOG OF BORING SAMPLES				315-701-0522		TEST BORING I	LOG	Project No.	28062		
	LOG OF BORING SAMPLES Depth Sample Depth Type / Blows on						VISUAL CLASS	SIFICATION (
Donth										g Dr	T "N"
Scale	Sample		t.)	Type / Sample	Sampler	Depth of Change	c - coarse m - medium	and - 35 to 50	0% / some - 20 to 35%		or
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)	f - fine		20% / trace - 0 to 10%		QD %
20							Continued from Page 1				
						ļ - -					
21	0	21.0	22.4	GG/10	21 20 50 51		Augers like Rock beginnin		1.1.)	_	-0.
22	8	21.0	22.4	SS/10	31-30-50@5"		Grey highly weathered RC (moist, hard)	CK Fragments (S	shale), some SIL1)	50+
22							Auger Refusal @ 22.4'				
23	9	22.4	23.7		38-42-27-50@2"		Similar as above (wet)				69
24							Bottom of Boring @ 23.7'				
2.5	4										
25											
26											
20											
27											
28											
29											
29											
30	1										
31											
32											
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36											
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38											
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43											
44											
45	1										

Attachment to CME Report Number: 28062B-04-0724 Test Boring Logs - Page 66 of 201 Boring No. **B-555** 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 2 **TEST BORING LOG** Associates, Inc. Phone: 315-701-0522 Project No. 28062 Project Name: **Date Started** 05/03/24 Micron Campus, Clay, New York **Client:** Ramboll **Date Finished** 05/03/24 Surface Elev. 386.4' Location: See Exploration Location Plan METHODS OF INVESTIGATION **GROUNDWATER OBSERVATIONS Driller:** H. Lyon Casing: 3 1/4" ID H.S.A. **Date** Time Depth (Ft.) Casing At (Ft.) Driller: K. Crandall **Casing Hammer:** While Drilling C. O'Hara 05/03/24 5.7 8.0 Inspector: Other: Drill Rig: **CME 45** 2" OD Split Barrel 05/03/24 7.3 20.7 Soil Sampler: Before Casing Removed ATV 05/03/24 After Casing Removed 6.7 Type: **Hammer Wt:** 140 lbs. out **Rod Size:** AWJ Hammer Fall: 30 in. 05/03/24 After Casing Removed caved @ 13.5 out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35% Sample Change From To RQD % Per 6 Inches little - 10 to 20% / trace - 0 to 10%(Feet) No. (Ft.) f - fine Rec. (in.) 1**A** SS/13 WH-1-1-2 Topsoil and Organic Material (moist) 0.0 0.6 Brown SILT, some CLAY, trace fine SAND (moist, soft) 1B 0.6 2.0 1 2 2 SS/14 Brown/Grey mottled CLAY, little SILT (moist, medium stiff) 2.0 4.0 1-2-4-3 6 3 4 3 4.0 6.0 SS/12 1-2-3-3 Brown/Grey mottled CLAY, some SILT (moist, medium stiff) 5 5 4 6.0 8.0 SS/11 3-4-4-5 Brown SILT, trace CLAY (wet, stiff) 8 6 7 8 5 8.0 10.0 SS/24 4-4-5-7 Similar as above (wet, stiff) 9 9 10 11 12 15.0 SS/18 13 6 13.0 2-3-3-3 Brown SILT, little CLAY (wet, medium stiff) 6 14

19

Dark Grey/Black SILT and cmf GRAVEL, little CLAY, trace cmf

SAND (moist, very stiff)

Continued on Page 2

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

8-9-10-9

Remarks:

15

16

17

18

19

7

18.0

20.0

Test Boring Logs - Page 67 of 201

6035 Corporate Drive
East Syracuse, NY 13057

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-555

 Page No.
 2 of 2

 Project No.
 28062

Associates, Inc. Phone: 315-701-0522 LOG OF BORING SAMPLES					315-701-0522		TEST BORING I	JUG	Project No.	280	062
	LOG OF BORING SAMPLES Depth Sample Depth Type / Blows on						VISUAL CLASS	SIFICATION C			
D 4		т —				1					CDT III
Depth Scale	Sample		t.)	Type / Sample	Blows on Sampler	Depth of	c - coarse m - medium	and - 35 to 50	0% / some - 20 to 35%		SPT "N" or
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	Change (Ft.)	f - fine	little - 10 to 2	20% / trace - 0 to 10%		RQD %
20							Continued from Page 1				-
							Augers like Rock beginnin	g @ 20.5'			
21	8	20.7	20.7	SS/0	50@0"		Split Spoon and Auger Rej	fusal @ 20.7'			50+
							Bottom of Boring @ 20.7				
22											
23											
23											
24											
25											
26											
26											
27											
28											
29											
30											
30											
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Attachment to CME Report Number: 28062B-04-0724 Test Boring Logs - Page 68 of 201 Boring No. **B-557** 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 2 **TEST BORING LOG** Associates, Inc. Phone: 315-701-0522 Project No. 28062 04/22/24 **Date Started** Project Name: Micron Campus, Clay, New York **Client:** Ramboll **Date Finished** 04/22/24 Surface Elev. 382.0' Location: See Exploration Location Plan METHODS OF INVESTIGATION **GROUNDWATER OBSERVATIONS Driller:** Beau Fletcher Casing: 3 1/4" ID H.S.A. **Date** Time Depth (Ft.) Casing At (Ft.) Driller: Ryan Casatelli **Casing Hammer:** While Drilling Inspector: 04/22/24 11.0 13.5 Other: Drill Rig: 2" OD Split Barrel 04/22/24 Before Casing Removed 3.0 23.8 CME 55 Soil Sampler: ATV 140 lbs. 04/22/24 After Casing Removed 4.6 Type: **Hammer Wt:** out **Rod Size:** AWJ Hammer Fall: 30 in. 04/22/24 After Casing Removed caved @ 8.4 out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35% Sample Change То RQD % No. From Per 6 Inches little - 10 to 20% / trace - 0 to 10%(Feet) Rec. (in.) (Ft.) f - fine Topsoil and Organic Material (moist) 1.0 SS/14 WH-1-3-3 1A 0.0 Brown SILT, trace CLAY, trace fine SAND, trace ORGANIC 1 1B 1.0 2.0 MATERIAL (moist, medium stiff) 2 2 SS/17 Brown/Grey mottled SILT, trace CLAY (moist, stiff) 2.0 4.0 4-4-4-5 8 3 SS/23 4 3 4.0 6.0 3-4-4-5 Brown SILT, trace CLAY (wet, stiff) 8 5 6 4 6.0 8.0 SS/24 4-4-4-5 Brown SILT, trace CLAY (wet, stiff) 8 7 Brown SILT, little CLAY (wet, medium stiff) 8 5 8.0 10.0 SS/19 1-2-3-5 5 9 10 11 12 13 SS/12 6 13.5 15.0 1-6-9 Grey/Brown cmf GRAVEL, little SILT, trace cmf SAND, trace 15 CLAY (wet, medium compact) 14

compact)

Continued on Page 2

Grey mf GRAVEL, some cmf SAND, trace SILT (wet, medium

16

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

6-8-8

Remarks:

15

16

17

18

19

7

18.5

20.0

Test Boring Logs - Page 69 of 201

6035 Corporate Drive
East Syracuse, NY 13057

SUBSURFACE EXPLORATION TEST BORING LOG

Boring No. B-557

Page No. 2 of 2

Project No. 28062

	Ass	ociates	s, Inc.	Phone:	315-701-0522		TEST BORING L	.OG	Project No.	28062
					AMPLES		VISUAL CLASS	SIFICATION C		
Depth Scale (Feet)	Sample No.	Sample	e Depth (t.)	Type / Sample Rec. (in.)	Blows on Sampler Per 6 Inches	Depth of Change (Ft.)	c - coarse m - medium f - fine	and - 35 to 50	0% / some - 20 to 35% 20% / trace - 0 to 10%	SPT "N" or RQD %
20							Continued from Page 1			
22										
23	8	23.5	23.8	SS/4	50@4"		Grey/Black highly weather	ed ROCK Fragmo	ents (Shale) (moist)	50+
24							Bottom of Boring @ 23.8'			
26										
27										
28										
30	•									
31										
32										
33										
34										
35										
36										
37										
39										
40										
41										
42										
43										
44										
45	1		I							

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

16

17

18

19

Attachment to CME Report Number: 28062B-04-0724 Test Boring Logs - Page 71 of 201 Boring No. B-559 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 1 **TEST BORING LOG** Associates, Inc. Phone: 315-701-0522 Project No. 28062 04/22/24 Project Name: **Date Started** Micron Campus, Clay, New York Client: Ramboll **Date Finished** 04/22/24 Surface Elev. 385.4' Location: See Exploration Location Plan METHODS OF INVESTIGATION **GROUNDWATER OBSERVATIONS Driller:** H. Lyon Casing: 3 1/4" ID H.S.A. **Date** Time Depth (Ft.) Casing At (Ft.) Driller: K. Crandall **Casing Hammer:** While Drilling C. O'Hara 04/22/24 3.5 4.0 Inspector: Other: Drill Rig: **CME 45** 2" OD Split Barrel 04/22/24 Before Casing Removed 9.0 18.9 Soil Sampler: ATV 04/22/24 After Casing Removed 4.0 Type: **Hammer Wt:** 140 lbs. out **Rod Size:** AWJ Hammer Fall: 30 in. 04/22/24 After Casing Removed caved @ 11.0 out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35% Sample Change То RQD % From Per 6 Inches little - 10 to 20% / trace - 0 to 10%(Feet) No. (Ft.) f - fine Rec. (in.) 1**A** 0.5 SS/14 Topsoil and Organic Material (moist) 0.0 1-1-2-5 Brown SILT, trace CLAY, trace ORGANIC MATERIAL (moist, 2.0 1B 0.5 1 2 2 SS/15 3-3-3-4 Brown/Grey mottled SILT, trace CLAY, trace ROOTS (moist, 2.0 4.0 6 medium stiff) 3 4 3 4.0 6.0 SS/13 WH-2-2-3 Brown SILT, trace CLAY (wet, medium stiff) 4 5 4 6.0 8.0 SS/15 2-4-4-3 Similar as above (wet, stiff) 8 6 7 8 5 8.0 10.0 SS/13 3-5-3-4 Similar as above (wet, stiff) 8 9 10 Augers gravelly beginning @ 11.3' 11 12 15.0 SS/11 Grey cmf GRAVEL, some SILT, little cmf SAND, trace CLAY 6 13.0 6-24-47-17 71 13 (wet, very compact) 14

Augers like COBBLE @ 17.7'

Bottom of Boring @ 18.9'

GRAVEL, little cmf SAND, little SILT (wet)

Dark Grey highly weathered ROCK Fragments (Shale), some mf

50+

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

8-50@5"

Remarks:

15

16

17

18

19

7

18.0

18.9

compact)

Continued on Page 2

Grey cmf GRAVEL, little SILT, trace cmf SAND (wet, very

50+

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

50@4"

Remarks:

15

16

17

18

19

7

18.0

18.3

Test Boring Logs - Page 73 of 201

6035 Corporate Drive
East Syracuse, NY 13057
Phone: 315-701-0522

SUBSURFACE EXPLORATION
TEST BORING LOG

 Boring No.
 B-560

 Page No.
 2 of 2

 Project No.
 28062

	Ass	ociate	s, Inc.	Phone:	315-701-0522		IESI BURING I	LUG	Project No.	28062		
					AMPLES		VISUAL CLAS	VISUAL CLASSIFICATION OF MATERIAL				
Depth Scale	Sample	Sample (F	e Depth (t.)	Type / Sample	Blows on Sampler	Depth of Change	c - coarse m - medium	and - 35 to 50	0% / some - 20 to 35%	SPT "N" or		
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)	f - fine Continued from Page 1	little - 10 to 2	20% / trace - 0 to 10%	RQD %		
21	8	20.0	20.2	SS/2	50@2"		Dark Grey ROCK Fragme @ 20.2'	ents (wet) Split Spe	oon and Auger Refi	usal		
							Bottom of Boring @ 20.2					
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
32												
33												
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35												
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39												
40												
41												
42												
43												
44												
45	Ī		I									

Test Boring Logs - Page 74 of 201

Allaciiii	ent to C	INIT IVE	portiv	ullibel.	28062B-04-0724						rest Boring Log	5 - raye	74 01 20
				6035 C	orporate Drive	SI	IRSURF.	ACE FY	ZPI.	ORATION	Boring No.	B-	-561
		IV		East Sy	racuse, NY 13057						Page No.	1	of 2
	Asso	ociates	s, Inc.	Phone:	315-701-0522		ILSI	BORI	NG	LUG	Project No.	28	3062
Project	Name:	Micror	n Camp	us, Clay,	New York	•					Date Started	04/	24/24
Client:		Rambo	oll								Date Finished	04/	24/24
Location: See Exploration Location Plan									Surface Elev.	38	33.5'		
		ME	THO	DS OF	INVESTIGATIO	ON			GI	ROUNDWATER	OBSERVAT	IONS	
Driller:		H. Lyo	n		Casing:	3 ¼" ID	H.S.A.	Date		Time	Depth (Ft.)	Cosine	g At (Ft.)
Driller:		K. Cra			Casing Hammer:						• ` ` ′	Casing	3 At (Ft.)
Inspecto		C. O'H	ara		Other:	NQ-Co		04/24/24		While Drilling	None Noted	1	0.0
Drill Ri	g:	CME 4	15		Soil Sampler:		Split Barrel	04/24/24		ore Casing Removed	5.4 *	2	20.4
Type:		ATV			Hammer Wt:	140 lbs.		04/24/24		er Casing Removed	12 *		out
Rod Siz		AWJ			Hammer Fall:	30 in.		04/24/24		er Casing Removed	caved @ 20.0		out
	LO	G OF	BOR	ING SA	AMPLES		<u>VI</u>	SUAL C	LAS	SSIFICATION C	OF MATERIA	L	•
Depth			e Depth	Type /	Blows on	Depth of	c ·	- coarse					SPT "N"
Scale	Sample		t.)	Sample	Sampler	Change		medium			0% / some - 20 to 35		or
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)		- fine			20% / trace - 0 to 10°	%	RQD %
0	1A	0.0	0.5	SS/13	1-1-2-5	ļ				erial (moist)			3
	1B	0.5	2.0					-		Y, trace fine SAND	, trace ORGANI	.C	
1							MATERIA	AL (moist,	, soft)			
2	2	2.0	4.0	SS/18	3-4-5-4		D/C	CI AV	1:441 -	CILT (:.4 _4:00			9
2	2	2.0	4.0	55/18	3-4-3-4		Brown/Gre	ey CLAY,	1111116	e SILT (moist, stiff))		9
3													
3													
4	3	4.0	6.0	SS/12	3-2-2-3		Brown/Gre	w CLAV	little	e SILT, trace ORGA	ANIC MATERI	ΛĪ	4
7	3	4.0	0.0	33/12	3-2-2-3		(moist, me	•		SIL1, trace ORG	ANIC MATERIA	AL.	-
5							(moist, me	aram sum	,				
3													
6	4	6.0	8.0	SS/14	2-2-3-5		Brown SIL	T. little C	CLAY	(moist, medium st	tiff)		5
								,		,	,		
7													
8	5	8.0	10.0	SS/13	3-5-5-6		Brown/Gre	ey SILT, t	race	CLAY (moist, stiff)		10
9													
10													
11													
10													
12													
12													
13	6	13.5	15.0	SS/16	2 2 2		Drouge/Con	CII T 1	;++1~ 4	CIAV (wet	m stiff)		_
1.4	6	15.5	15.0	55/16	2-2-3		Brown/Gre	y SILI, I	ittie (CLAY (wet, mediu	m suit)		5
14													
15													
13													
16													
10													
17													
1													
18													
	7A	18.5	19.3	SS/12	2-4-50@4"		Similar as						50+
19	7B	19.3	19.8							ne cmf SAND, little	SILT (wet, very	/	
	7B	19.3	19.8				compact)				•		
20		I		Ī	ĺ		Continued	on Page)				1

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks: *Water added to boring for coring.

Test Boring Logs - Page 75 of 201

6035 Corporate Drive
East Syracuse, NY 13057
Phone: 315, 701, 0522

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-561

 Page No.
 2 of 2

 Project No.
 28062

Associates, Inc. Phone: 315-701-0522					315-701-0522		LEST BURING I	LUG	Project No.	280	062
LOG OF BORING SAMPLES						VISUAL CLASSIFICATION OF MATERIAL					
Depth		ī	Depth	Type /	Blows on	Depth of	c - coarse				SPT "N"
Scale	Sample	(F		Sample	Sampler	Change	m - medium		0% / some - 20 to 35%		or
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)	f - fine Continued from Page 1	little - 10 to 2	20% / trace - 0 to 10%		RQD %
20							compact) Auger Refusal	@ 20.4'. Set up to	core.		
21	R-1	20.4	25.4	C/60	NQ-Core		Grey DOLOSTONE with	interbedded SHA	LE layers (<1/8" -	2"	92%
							thick), thinly laminated to		rd.		
22							Recovery: 60"/60" = 100° RQD: 55"/60" = 92%	%			
23							16 Pieces, 1" Chips and Fr	ragments			
							1:00 min/ft, no water loss				
24							Coring conducted in 4th g	gear, 1700 rpm, 70	00 psi down pressi	ure.	
25	R-2	25.4	30.4	C/60	NQ-Core		Grey DOLOSTONE, fresh	h, thickly bedded,	hard.		100%
					,		Recovery: 60"/60" = 100%				
26							RQD: 60"/60" = 100%				
27							4 Pieces, 0" Chips and Fra 1:00 min/ft, no water loss				
27							Coring conducted in 4th g		00 psi down pressi	ıre.	
28								_			
29											
29											
30	1						Bottom of Boring @ 30.4				
31											
<i>J</i> 1											
32											
33											
33											
34											
25											
35											
36											
37											
38											
39											
40	†										
41											
42											
43											
44											
]										
45	I					I	1				

Grey SILT, little CLAY (wet, medium stiff)

Grey SILT, trace CLAY (wet, medium stiff)

Continued on Page 2

Grey SILT, trace fine SAND, trace CLAY (moist, medium stiff)

4

6

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

1-2-2-2

2-2-2-2

1-2-4-4

Remarks: *Water added to boring for coring.

SS/17

SS/18

SS/15

15.0

17.0

19.0

12

13

14

15

16

17

18

19

6

7

8

13.5

15.0

17.0

Test Boring Logs - Page 77 of 201

6035 Corporate Drive
East Syracuse, NY 13057
Phone: 315-701-0522

SUBSURFACE EXPLORATION
TEST BORING LOG

 Boring No.
 B-563

 Page No.
 2 of 2

 Project No.
 28062

	Asso	ciates	s, Inc.	Phone: 3	315-701-0522		IESI BURING I	LOG	Project No.	28062
LOG OF BORING SAMPLES						VISUAL CLASSIFICATION OF MATERIAL				
Depth Scale (Feet)	Sample No.		e Depth	Type / Sample Rec. (in.)	Blows on Sampler Per 6 Inches	Depth of Change (Ft.)	c - coarse m - medium f - fine	and - 35 to 50	0% / some - 20 to 35% 20% / trace - 0 to 10%	SPT " or RQD
20 21							Continued from Page 1			
22 23	9	23.0	23.0	SS/1	50@1"		Augers harder beginning Grey weathered ROCK Fr Split Spoon and Auger Re	agments (Shale) (state) (state	wet)	50-
24	-						Bottom of Boring @ 23.3'			
26										
2728										
29										
30										
32										
33										
35	-									
36										
3738										
39										
40										
41 42										
43										
44										

Similar as above (wet, very stiff)

Bottom of Boring @ 18.5'

compact)

at 18.5'

Grey cmf GRAVEL, little cmf SAND, little SILT (wet, medium

Black ROCK Fragments (Shale) Split Spoon and Auger Refusal

16

50 +

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

5-6-10-33

50@1"

Remarks: * recovery length not measured

15

16

17

18

19

7A

7B

8

15.0

16.3

18.5

16.3

17.0

18.6

SS/16

SS/1

Attachm	ent to C	ME Re	eport N	umber:	28062B-04-0724						Test Boring Log	s - Page	79 of 201
					orporate Drive	CI	IDCIIDE	ACE EX	ZDI (Boring No.		565
					racuse, NY 13057	SUBSURFACE EXPLORED TEST BORING					Page No.		of 2
	Asso	ociates	s, Inc.	-	315-701-0522		TEST	BORI	NG I	LOG	Project No.		062
Project	Name:	Micror	ı Camp	us, Clay,	New York	1					Date Started	04/2	23/24
Client:		Rambo									Date Finished		23/24
Location	n:	See Ex	ploration	on Locati	ion Plan						Surface Elev.		31.2'
					INVESTIGATIO	N			GR	OUNDWATER			
Driller:		Beau F			Casing:	3 ¼" ID	H.S.A.	_					
Driller:		Ryan C	Casatell	i	Casing Hammer:			Date		Time	Depth (Ft.)	Casing	At (Ft.)
Inspecto		,			Other:	NQ-Cor	e	04/23/24	,	While Drilling	4.0	1-	4.0
Drill Ri		CME 5	55		Soil Sampler:	2" OD S	Split Barrel	04/23/24		re Casing Removed	None Noted	3	1.0
Type:		ATV			Hammer Wt:	140 lbs.		04/23/24	Afte	r Casing Removed	3.0 *	C	out
Rod Siz	e:	AWJ			Hammer Fall:	30 in.		04/23/24	Afte	r Casing Removed	caved @ 8.0	C	out
	LO	G OF	BOR	ING SA	AMPLES		VI	SUAL C	LAS	SIFICATION C	F MATERIA	L	
Depth		Sample	e Depth		Blows on			- coarse					SPT "N"
Scale	Sample	_		Type / Sample	Sampler	Depth of Change		medium		and - 35 to 50	% / some - 20 to 35	%	or
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)		- fine			0% / trace - 0 to 109		RQD %
0	1A	0.0	0.5	SS/14	WH-2-3-5		Topsoil an	d Organic	Mate	rial (moist)			5
	1B	0.5	2.0				Brown SII	T, trace C	CLAY	, trace fine SAND	(moist, medium	stiff)	
1													
2	2	2.0	4.0	SS/20	6-5-6-6		Brown/Gre	ey SILT, t	race C	CLAY (wet, stiff)			11
							Brown/Grey SILT, trace CLAY (wet, stiff)						
3													
4	3	4.0	6.0	SS/18	5-5-6-6		Similar as	above (we	et, stif	f)			11
5													
	4	6.0	0.0	00/16	4 4 5 4		D /G	CH T		NI ANT - C C	A34D (0
6	4	6.0	8.0	SS/16	4-4-5-4		Brown/Gre	ey SILT, t	race C	CLAY, trace fine S	AND (wet, stiff))	9
7													
0	_	9.0	10.0	GG/20	WH-1-1-1		C::1	-1 (C				_
8	5	8.0	10.0	SS/20	W H-1-1-1		Similar as	above (we	et, son	1)			2
9													
9													
10	6	10.0	12.0	SS/20	1-1-2-2		Similar as	obove (we	at cof	4)			3
10		10.0	12.0	33/20	1-1-2-2		Sillillai as	above (we	., 5011	.)			3
11													
111						<u> </u>							
12	7	12.0	14.0	SS/20	1-2-3-9		Brown/Gre	ev SILT it	race c	mf SAND, trace w	reathered ROCK	=	5
1 12		12.0	1	55,20			Fragments	•		· ·	Lambred ROOM	-	
13								30, 11100		,			
13													
14	8	14.0	16.0	SS/14	6-5-7-21		Grev cmf	GRAVEL	and w	eathered ROCK F	ragments (Shale	e).	12
] -			- 0.0]					ND (wet, stiff)	- Condition	/7	
15								,		(,)			
16													
17													
I		ı	1	I	I	1	Ī						I

Split Spoon and Auger Refusal @ 18.0. Set up to core.

thick), thinly laminated to medium bedded, hard.

Recovery: 60"/60" = 100% Continued on Page 2

Grey DOLOSTONE with interbedded SHALE layers (<1/8" to 1"

50+

100%

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

50@0"

NQ-Core

Remarks: *Water added to boring for coring.

18.0 18.0

18.0 23.0

18

19

7

R-1

SS/0

C/60

Test Boring Logs - Page 80 of 201

6035 Corporate Drive
East Syracuse, NY 13057
Phone: 315, 701, 0522

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-565

 Page No.
 2 of 2

 Project No.
 28062

	Associates, Inc. Phone: 315-701-0522 LOG OF BORING SAMPLES						TEST BORING I	LOG	Project No.	28062			
							VISUAL CLAS	SIFICATION (
Depth			e Depth		Blows on	D 1 2	c - coarse			SPT "N"			
Scale	Sample	(F	t.)	Type / Sample	Sampler	Depth of Change	m - medium		0% / some - 20 to 35%	or			
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)	f - fine	little - 10 to 2	20% / trace - 0 to 10%	RQD %			
20							Continued from Page 1 RQD: 60"/60" = 100%						
21							6 Pieces, 0" Chips and Fra	gments					
							1:00 min/ft, no water loss						
22							Coring conducted in 4th g	ear, 1700 rpm, 70	00 psi down pressure.				
23	R-2	23.0	28.0	C/60	NQ-Core		Grey DOLOSTONE with	interhedded SHA	LE lavers (<1/8" - 6"	85%			
	1 2	25.0	20.0	2,00	110 0010		thick), slightly weathered, thinly laminated to medium bedded,						
24							medium hard to hard.	-					
25	-					Weathered zone (~ 1/2" thick) @ 25.1'. Recovery: 60"/60" = 100% RQD: 51"/60" = 85%							
23							21 Pieces, 0" Chips and Fr		= 83%				
26							1.0 min/ft, no water loss						
							Coring conducted in 4th g	gear, 1700 rpm, 7	00 psi down pressure.				
27													
28							Bottom of Boring @ 28.0'						
29													
30	1												
31													
32													
""													
33													
34													
51													
35													
36													
30													
37													
20													
38													
39													
- 10	-												
40													
41													
42													
43													
44													
45	1												

ttachment to CME Report Number: 28062B-04-0724 Test Boring Logs - Page 81 of 201 Boring No. **B-566** 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 1 **TEST BORING LOG** Phone: 315-701-0522 Project No. 28062 **Date Started** 04/17/24 Project Name: Micron Campus, Clay, New York **Client:** Ramboll **Date Finished** 04/17/24 Surface Elev. 392.2' Location: See Exploration Location Plan METHODS OF INVESTIGATION **GROUNDWATER OBSERVATIONS Driller:** Al Linstruth Casing: 3 1/4" ID H.S.A. Depth (Ft.) **Date** Time Casing At (Ft.) Driller: John Winks **Casing Hammer:** While Drilling Inspector: Other: 04/17/24 2.8 4.0 Drill Rig: Soil Sampler: 2" OD Split Barrel 04/17/24 Before Casing Removed 7.0 8.0 CME 550X ATV 04/17/24 After Casing Removed 2.1 Type: Hammer Wt: 140 lbs. out **Rod Size:** AWJ Hammer Fall: 30 in. 04/17/24 After Casing Removed caved @ 4.0 out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Scale Sample and - 35 to 50% / some - 20 to 35% Sampler m - medium Sample Change or From To little - 10 to 20% / trace - 0 to 10% RQD % Per 6 Inches (Ft.) (Feet) No. Rec. (in.) f - fine Topsoil and Organic Material (moist, medium stiff) 1**A** 0.3 SS/15 1-2-3-4 0.0 5 2.0 Brown SILT, trace ROOTS (moist, medium stiff) 1B 0.3 1 2 2 2.0 SS/11 2-3-4-2 Brown SILT, little mf GRAVEL, trace cmf SAND (wet, medium 7 4.0 stiff) 3 SS/7 Dark Brown SILT and cmf GRAVEL, trace cmf SAND (wet, 4 3 4.0 6.0 2-3-3-2 6 medium stiff) 5 50+ 6 4 6.0 6.7 SS/5 8-50@3" Dark Grey highly weathered ROCK Fragments (Shale) and SILT (wet) 7 8.0 8 5 8.3 SS/3 50@3" Dark Grey ROCK Fragments (Shale) and ROCK Flour 50 +Bottom of Boring @ 8.3' 9 10 11 12 13 14 15 16

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks:

17

18

ttachment to CME Report Number: 28062B-04-0724 Test Boring Logs - Page 82 of 201 Boring No. **B-567** 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 1 **TEST BORING LOG** Phone: 315-701-0522 Project No. 28062 Micron Campus, Clay, New York **Date Started** 05/10/24 Project Name: Client: Ramboll **Date Finished** 05/10/24 Surface Elev. 389.1' Location: See Exploration Location Plan METHODS OF INVESTIGATION **GROUNDWATER OBSERVATIONS Driller:** H. Lyon Casing: 3 1/4" ID H.S.A. Depth (Ft.) **Date** Time Casing At (Ft.) Driller: K. Crandall **Casing Hammer:** While Drilling Inspector: C. O'Hara Other: 05/10/24 0.6 4.0 Drill Rig: **CME 45** Soil Sampler: 2" OD Split Barrel 05/10/24 Before Casing Removed 1.0 6.5 ATV 140 lbs. 05/10/24 After Casing Removed 1.8 Type: Hammer Wt: out **Rod Size:** AWJ Hammer Fall: 30 in. 05/10/24 After Casing Removed caved @ 5.2 out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Blows on Depth c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35% Sample Change From То RQD % No. Per 6 Inches (Ft.) little - 10 to 20% / trace - 0 to 10%(Feet) Rec. (in.) f - fine Topsoil and Organic Material (moist) 1**A** 0.0 0.3 SS/13 1-1-2-5 0 3 0.3 2.0 Brown SILT, trace CLAY, trace fine SAND, trace ORGANIC 1B 1 MATERIAL (moist, soft) 2 2 2.0 SS/10 8-7-4-5 Brown/Grey cmf GRAVEL, little cmf SAND, little SILT (moist, 11 4.0 medium compact) 3 3 SS/17 9 4 4.0 6.0 6-4-5-9 Grey cmf GRAVEL, some SILT, little cmf SAND, trace CLAY (moist, stiff) 5 6.0 6 4 6.3 SS/2 50@4" Dark Grey/Black highly weathered ROCK Fragments (Shale) (moist) 50+ 7 Augers very hard beginning @ 6.2'. 5 6.5 6.5 SS/0 50@0" Shale fragments in tip of Split Spoon. Auger Refusal @ 6.5' 50+ Bottom of Boring @ 6.5' 8 9 10 11 12 13 14 15 16 17

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks:

18

(moist, hard)

(moist, hard)

Bottom of Boring @ 16.9'

Dark Grey SILT, little mf GRAVEL, little CLAY, trace cmf SAND

50+

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

38-50@5"

16

17

18

19

16.0

16.9

SS/10

Attachment to CME Report Number: 28062B-04-0724 Test Boring Logs - Page 84 of 201 Boring No. B-569 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 1 **TEST BORING LOG** Associates, Inc. Phone: 315-701-0522 Project No. 28062 04/26/24 **Date Started** Project Name: Micron Campus, Clay, New York Client: Ramboll **Date Finished** 04/26/24 Surface Elev. 389.6' Location: See Exploration Location Plan METHODS OF INVESTIGATION **GROUNDWATER OBSERVATIONS Driller:** H. Lyon Casing: 3 1/4" ID H.S.A. Depth (Ft.) **Date** Time Casing At (Ft.) Driller: K. Crandall **Casing Hammer:** While Drilling C. O'Hara 04/26/24 7.5 13.0 Inspector: Other: Drill Rig: **CME 45** Soil Sampler: 2" OD Split Barrel 04/26/24 Before Casing Removed 6.4 13.8 ATV 04/26/24 After Casing Removed 2.8 Type: Hammer Wt: 140 lbs. out **Rod Size:** AWJ Hammer Fall: 30 in. 04/26/24 After Casing Removed caved @ 6.2 out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Blows on Depth c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35% Sample Change From To RQD % Per 6 Inches little - 10 to 20% / trace - 0 to 10%(Feet) No. Rec. (in.) (Ft.) f - fine 1A 0.7 SS/15 WH-1-6-7 Topsoil and Organic Material (moist) 0.0 2.0 Brown SILT, trace CLAY, trace fine SAND (moist, medium stiff) 1B 0.7 1 2 2 2.0 SS/16 6-6-5-4 Brown SILT, trace CLAY (moist, stiff) 4.0 11 3 4 3 4.0 6.0 SS/17 3-4-5-7 Grey/Brown, Similar as above (moist, stiff) 9 5 14 4 6.0 8.0 SS/16 7-5-9-5 Brown SILT, some mf GRAVEL, trace cmf SAND, trace CLAY 6 (wet, stiff) 7 Augers gravelly beginning @ 7.5' Grey/Black cmf SAND, some mf GRAVEL, some SILT, trace 8 5 8.0 10.0 SS/13 2-4-3-5 7 CLAY (moist, loose) 9 10 Augers harder beginning @ 10.8' 11 12 SS/5 Dark Grey/Black highly weathered ROCK Fragments (Shale) and 6 13.0 13.7 14-50@1" 50+ 13 SILT, little cmf SAND (moist) Black ROCK Fragments (Shale) 7 SS/1 50+ 14 13.8 13.9 50@1" Split Spoon and Auger Refusal @ 13.8' Bottom of Boring @ 13.8' 15

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks:

16

17

18

Attachment to CME Report Number: 28062B-04-0724 Test Boring Logs - Page 85 of 201 Boring No. B-570 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 1 **TEST BORING LOG** Phone: 315-701-0522 Project No. 28062 **Date Started** 05/13/24 Project Name: Micron Campus, Clay, New York Client: Ramboll **Date Finished** 05/13/24 Surface Elev. 387.4' Location: See Exploration Location Plan METHODS OF INVESTIGATION **GROUNDWATER OBSERVATIONS Driller:** 3 ¼" ID H.S.A. H. Lyon Casing: **Date** Time Depth (Ft.) Casing At (Ft.) Driller: K. Crandall **Casing Hammer:** While Drilling Inspector: C. O'Hara Other: 05/13/24 None Noted 8.0 Drill Rig: **CME 45** Soil Sampler: 2" OD Split Barrel 05/13/24 Before Casing Removed 10.8 12.8 ATV 05/13/24 After Casing Removed 5.7 Type: Hammer Wt: 140 lbs. out **Rod Size:** AWJ Hammer Fall: 30 in. 05/13/24 After Casing Removed caved @ 6.0 out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35% Sample Change or From То RQD % No. Per 6 Inches f - fine little - 10 to 20% / trace - 0 to 10%(Feet) Rec. (in.) (Ft.) 1**A** 0.0 0.9 SS/18 1-1-2-16 Topsoil and Organic Material (moist) 0 Brown SILT, some fine SAND (moist, soft) 1 1B 0.9 2.0 2 2 2.0 4.0 SS/16 5-7-7-7 Brown SILT, trace fine SAND, trace CLAY (moist, stiff) 14 3 3 SS/15 9 4 4.0 6.0 3-2-7-10 Brown/Red SILT, some cmf SAND, little cmf GRAVEL (wet, stiff) 5 6 4A 6.0 6.7 SS/14 12-11-10-7 Brown cmf GRAVEL and cmf SAND, trace SILT (wet, medium 21 compact) 7 4B 6.7 8.0 Grey cmf SAND and cmf GRAVEL, trace SILT (wet, medium compact) 8 5 8.0 10.0 SS/13 5-5-6-7 Grey cmf GRAVEL and SILT, little cmf SAND (moist, medium 11 compact) 9 10 Augers hard beginning @ 10.5 11 12 6 12.8 13.0 SS/1 50@2" Black SHALE Fragments in tip of spoon 50+ Split Spoon and Auger Refusal @ 12.8' 13 Bottom of Boring @ 13.0' 14 15 16 17

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks:

18

ttachment to CME Report Number: 28062B-04-0724 Test Boring Logs - Page 86 of 201 Boring No. B-571 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 1 **TEST BORING LOG** Associates, Inc. Phone: 315-701-0522 Project No. 28062 Micron Campus, Clay, New York 04/18/24 **Date Started** Project Name: Client: Ramboll **Date Finished** 04/18/24 Surface Elev. 391.3' Location: See Exploration Location Plan METHODS OF INVESTIGATION **GROUNDWATER OBSERVATIONS** Al Linstruth Driller: Casing: 3 1/4" ID H.S.A. **Date** Time Depth (Ft.) Casing At (Ft.) **Driller:** John Winks **Casing Hammer:** NO-Core 04/18/24 While Drilling 7.5 8.0 Inspector: Other: Drill Rig: Soil Sampler: 2" OD Split Barrel 04/18/24 Before Casing Removed 9.0 CME 550X 9.5 ATV 04/18/24 After Casing Removed 3.2 Type: Hammer Wt: 140 lbs. out AWJ **Rod Size:** Hammer Fall: 30 in. 04/18/24 After Casing Removed caved @ 7.8 out VISUAL CLASSIFICATION OF MATERIAL LOG OF BORING SAMPLES Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35% Sample Change From To RQD % Per 6 Inches f - fine little - 10 to 20% / trace - 0 to 10% (Feet) No. (Ft.) Rec. (in.) 0.0 2.0 SS/17 Brown SILT, trace CLAY (moist, medium stiff) 0 1-1-3-3 1 2 2 2.0 SS/15 2-3-4-2 Brown/Grey SILT, trace cmf SAND (wet, medium stiff) 7 4.0 3 4 3 4.0 6.0 SS/11 1-1-1-1 Brown SILT, trace CLAY (moist, soft) 2 5 6 4A 6.0 7.9 SS/8 WH-1-1-37 Grey/Brown SILT and cmf GRAVEL, trace cmf SAND, trace CLAY 2 (wet, soft) 7 Grey ROCK Fragments (Shale) and ROCK Flour) 4B 7.9 8.0 Similar as above (moist) 8 5 8.0 8.3 SS/2 50@3" 50 +Auger Refusal @ 9.5'. Set up to core. Dark Grey SHALE with interbedded DOLOSTONE layers (<1/8" -10 R-1 9.5 14.5 C/56 70% NQ-Core 1/4" thick), slightly weathered, laminated to medium bedded, medium hard to hard. SILT seams (1/8" - 2.0" thick) @ 10.5' - 10.7'. 11 11.9', 12.8', 12.9' and 13.0'. Recovery: 56''/60'' = 93%12 RQD: 42"/60" - 70% 15 Pieces, 0" Chips and Fragments 13 50 sec/ft, no water loss Coring conducted in 5th gear, 2100 rpm, 700 psi down pressure. 14 62% R-2 14.5 19.5 C/60NQ-Core Dark Grey SHALE with interbedded DOLOSTONE layers (<1/8" -15 4.0' thick), slightly weathered, thinly laminated to medium bedded, medium hard to hard. Weathered horizontal fractures (1/8' - 1" thick) @ 16.5', 16.7', 16

16.9', 17.0', 17.2', 17.4' - 17.5'.

50 sec/ft, no water loss

Bottom of Boring @ 19.5'

15 Pieces, 4" Chips and Fragments

CALCITE veins (1/4" - 1" thick) @ 18.8' and 19.3' - 19.4'.

Coring conducted in 5th gear, 2100 rpm, 700 psi down pressure.

Recovery: $60''/60'' = 100\% \mid RQD: 37''/60'' = 62\%$

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

17

18

Attachment to CME Report Number: 28062B-04-0724 Test Boring Logs - Page 87 of 201 Boring No. B-572 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 1 **TEST BORING LOG** Associates, Inc. Phone: 315-701-0522 Project No. 28062 **Date Started** 04/18/24 Project Name: Micron Campus, Clay, New York **Client:** Ramboll **Date Finished** 04/18/24 Surface Elev. 390.3' Location: See Exploration Location Plan METHODS OF INVESTIGATION **GROUNDWATER OBSERVATIONS Driller:** Al Linstruth 3 ¼" ID H.S.A. Casing: Depth (Ft.) **Date** Time Casing At (Ft.) Driller: John Winks **Casing Hammer:** Other: While Drilling Inspector: 04/18/24 1.1 4.0 Drill Rig: **CME 550X** Soil Sampler: 2" OD Split Barrel 04/18/24 Before Casing Removed 5.9 8.0 ATV 140 lbs. 04/18/24 After Casing Removed None Noted Type: Hammer Wt: out **Rod Size:** AWJ Hammer Fall: 30 in. 04/18/24 After Casing Removed caved @ out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Blows on Depth c - coarse Type / Depth of (Ft.) Sampler Scale and - 35 to 50% / some - 20 to 35% Sample m - medium Sample Change То little - 10 to 20% / trace - 0 to 10% RQD % From Per 6 Inches f - fine (Feet) No. Rec. (in.) (Ft.) Brown SILT, little cmf SAND (moist, medium stiff) 2.0 SS/15 1-1-4-3 0 0.0 5 1 2 2 2.0 4.0 SS/14 4-3-2-1 Grey/Brown cmf GRAVEL, some SILT, little cmf SAND (wet, 5 loose) 3 SS/11 4 3A 4.0 5.0 1-1-31-51 Grey cmf GRAVEL and SILT, little cmf SAND (wet, compact) 32 5 3B 5.0 6.0 Grey highly weathered ROCK Fragments, some SILT (wet) 6 4 6.0 6.2 SS/250@2" Grey highly weathered ROCK Fragments (moist) 50+ 7 8.0 8 5 8.2 SS/2 50@2" Similar as above (moist) 50 +Bottom of Boring @ 8.2' 9 10 11 12 13 14 15 16 17 18

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks:

ttachment to CME Report Number: 28062B-04-0724 Test Boring Logs - Page 88 of 201 Boring No. B-573 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 1 **TEST BORING LOG** Phone: 315-701-0522 Project No. 28062 04/29/24 **Date Started** Project Name: Micron Campus, Clay, New York Client: Ramboll **Date Finished** 04/29/24 Surface Elev. 393.5' Location: See Exploration Location Plan METHODS OF INVESTIGATION **GROUNDWATER OBSERVATIONS Driller:** H. Lyon Casing: 3 1/4" ID H.S.A. **Date** Time Depth (Ft.) Casing At (Ft.) Driller: K. Crandall **Casing Hammer:** While Drilling C. O'Hara 04/29/24 3.8 6.0 Inspector: Other: Drill Rig: **CME 45** 2" OD Split Barrel 04/29/24 Before Casing Removed 4.0 8.7 Soil Sampler: ATV 04/29/24 After Casing Removed 3.5 Type: Hammer Wt: 140 lbs. out **Rod Size:** AWJ Hammer Fall: 30 in. 04/29/24 After Casing Removed caved @ 5.5 out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35% Sample Change From To RQD % Per 6 Inches little - 10 to 20% / trace - 0 to 10%(Feet) No. Rec. (in.) (Ft.) f - fine 1**A** 0.4 SS/16 Topsoil and Organic Material (moist) 0 0.0 1-1-2-6 3 2.0 Brown SILT, trace CLAY, trace fine SAND (moist, soft) 1B 0.4 1 2 2 SS/15 7-8-6-4 Brown SILT, trace CLAY (moist, stiff) 14 2.0 4.0 3 4 3 4.0 6.0 SS/16 4-3-3-5 Similar as above (wet, medium stiff) 6 5 6 4A 6.0 6.5 SS/12 6-9-12-18 Brown cmf GRAVEL, some cmf SAND, little SILT (moist, medium 21 7 4B 8.0 Black/Grey weathered ROCK Fragments (Shale), little SILT, little 6.5 cmf SAND (moist) Similar as above (moist) 8 5 8.0 8.4 SS/5 50@5" 50 +SS/11 Black weathered ROCK Fragments (Shale) 6A 8.7 9.3 22-25-50@4" 50+ 9 6B 9.3 10.1 Black ROCK Fragments (Shale) 10 Split Spoon and Auger Refusal @ 10.1' Bottom of Boring @10.1' 11 12 13 14 15 16 17

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks:

18

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks: 1. Offset 7.0' west to B-574A and sampled at 5.1' auger refusal.

16

17

18

ttachment to CME Report Number: 28062B-04-0724 Test Boring Logs - Page 90 of 201 Boring No. **B-575** 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 1 **TEST BORING LOG** Phone: 315-701-0522 Project No. 28062 Project Name: **Date Started** 05/10/24 Micron Campus, Clay, New York Client: Ramboll **Date Finished** 05/10/24 Surface Elev. 385.8' Location: See Exploration Location Plan METHODS OF INVESTIGATION **GROUNDWATER OBSERVATIONS Driller:** H. Lyon Casing: 3 1/4" ID H.S.A. **Date** Time Depth (Ft.) Casing At (Ft.) Driller: K. Crandall **Casing Hammer:** While Drilling Inspector: C. O'Hara Other: 05/10/24 None Noted 6.0 Drill Rig: **CME 45** 2" OD Split Barrel 05/10/24 Before Casing Removed 8.2 Soil Sampler: None Noted ATV 05/10/24 After Casing Removed None Noted Type: Hammer Wt: 140 lbs. out **Rod Size:** AWJ Hammer Fall: 30 in. 05/10/24 After Casing Removed caved @ out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35% Sample Change To RQD % From Per 6 Inches little - 10 to 20% / trace - 0 to 10%(Feet) No. Rec. (in.) (Ft.) f - fine 1**A** 0.7 SS/16 1-WH-2-4 Topsoil and Organic Material (moist) 0.0 2.0 Brown CLAY, some SILT, trace fine SAND (moist, soft) 1B 0.7 1 2 2 2.0 SS/12 3-4-7-16 Brown/Grey SILT and highly weathered ROCK Fragments (Shale) 11 4.0 (moist, stiff) 3 4 3 4.0 6.0 SS/21 6-8-8-10 Dark Grey, Similar as above (moist, very stiff) 16 5 6 4A 6.0 7.0 SS/15 12-12-50@3" Similar as above (moist, hard) 50+ 7 4B 7.0 7.3 Grey ROCK Fragments (Shale) Augers like Rock @ 7.9' 8 5 8.0 8.2 SS/1 50@2" Similar as above - Split Spoon and Auger Refusal @ 8.2' Bottom of Boring @ 8.2' 9 10 11 12 13 14 15 16 17 18

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

ttachment to CME Report Number: 28062B-04-0724 Test Boring Logs - Page 91 of 201 Boring No. **B-576** 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 1 **TEST BORING LOG** Phone: 315-701-0522 Project No. 28062 **Date Started** 05/13/24 Project Name: Micron Campus, Clay, New York Client: Ramboll **Date Finished** 05/13/24 385.4' Location: See Exploration Location Plan Surface Elev. METHODS OF INVESTIGATION **GROUNDWATER OBSERVATIONS Driller:** H. Lyon Casing: 3 1/4" ID H.S.A. **Date** Time Depth (Ft.) Casing At (Ft.) Driller: K. Crandall **Casing Hammer:** While Drilling C. O'Hara 05/13/24 None Noted 12.5 Inspector: Other: Drill Rig: **CME 45** 2" OD Split Barrel 05/13/24 Before Casing Removed 12.5 Soil Sampler: None Noted ATV 05/13/24 After Casing Removed 2.4 Type: Hammer Wt: 140 lbs. out **Rod Size:** AWJ Hammer Fall: 30 in. 05/13/24 After Casing Removed caved @ 2.8 out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35% Sample Change To RQD % From Per 6 Inches little - 10 to 20% / trace - 0 to 10%(Feet) No. Rec. (in.) (Ft.) f - fine 1**A** SS/16 1-1-2-2 Topsoil and Organic Material (moist) 0.0 0.8 3 2.0 Brown SILT, some cmf SAND, trace fine GRAVEL (wet, soft) 1B 0.8 1 2 2 2.0 SS/14 2-4-2-6 Brown SILT, little cmf SAND, trace fine GRAVEL (wet, medium 4.0 6 stiff) 3 4 3 4.0 6.0 SS/17 10-8-9-10 Brown cmf SAND and SILT, trace fine GRAVEL (wet, medium 17 compact) 5 6.0 4 8.0 SS/13 10-16-20-22 Grey SILT and cmf SAND, trace mf GRAVEL (moist, hard) 6 36 7 Augers hard beginning @ 7.0' 8.0 8 5 8.3 SS/2 50@3" Brown/Grey SILT, little mf GRAVEL, little cmf SAND (wet, hard) 50 +Augers very hard beginning @ 8.0' 9 10 11 Augers like weathered Rock beginning @ 10.5 12 12.5 12.7 SS/1 50@2" Black SHALE Fragments 50+ 13 Bottom of Boring @ 12.7 14 15 16

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

17

18

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks:

15

16

17

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Attachment to CME Report Number: 28062B-04-0724 Test Boring Logs - Page 93 of 201 Boring No. B-583 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 1 **TEST BORING LOG** Phone: 315-701-0522 Project No. 28062 04/29/24 Micron Campus, Clay, New York **Date Started** Project Name: 04/29/24 Client: Ramboll **Date Finished** Surface Elev. 388.7' Location: See Exploration Location Plan METHODS OF INVESTIGATION **GROUNDWATER OBSERVATIONS Driller:** H. Lyon Casing: 3 1/4" ID H.S.A. Depth (Ft.) **Date** Time Casing At (Ft.) Driller: K. Crandall **Casing Hammer:** While Drilling Inspector: C. O'Hara Other: 04/29/24 2.0 2.0 Drill Rig: **CME 45** Soil Sampler: 2" OD Split Barrel 04/29/24 Before Casing Removed 2.1 7.5 ATV 04/29/24 After Casing Removed 1.9 Type: Hammer Wt: 140 lbs. out **Rod Size:** AWJ Hammer Fall: 30 in. 04/29/24 After Casing Removed caved @ 4.5 out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Blows on Depth c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35% Sample Change From То RQD % Per 6 Inches little - 10 to 20% / trace - 0 to 10%(Feet) No. Rec. (in.) (Ft.) f - fine Topsoil and Organic Material (moist) 1A 0.7 SS/11 WH-1-2-6 0 0.0 0.7 2.0 Brown SILT, little CLAY, trace ORGANIC MATERIAL (moist, 1B 1 2 2 2.0 SS/13 4-6-7-5 13 4.0 Grey/Red/Brown cmf GRAVEL, some cmf SAND, little SILT (moist, medium compact) 3 Augers like Cobble starting @ 3.5' SS/12 4 3 4.0 6.0 5-4-4-8 Grey/Brown cmf GRAVEL, some SILT, little cmf SAND (moist, 8 loose) 5 6 4 6.0 6.7 **SS/8** 8-50@2" Grey/Brown cmf GRAVEL, some cmf SAND, some SILT (wet, 50+ very compact) 7 8 5 7.5 7.5 SS/0 50@0" Split Spoon and Auger Refusal @ 7.5' 50 +Bottom of Boring @ 7.5' 9 10 11 12 13 14 15 16 17

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

18

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

16

17

18

Attachment to CME Report Number: 28062B-04-0724 Test Boring Logs - Page 95 of 201 Boring No. B-585 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 2 **TEST BORING LOG** Associates, Inc. Phone: 315-701-0522 Project No. 28062 Micron Campus, Clay, New York 05/01/24 **Date Started** Project Name: Client: Ramboll **Date Finished** 05/01/24 Surface Elev. 394.1' Location: See Exploration Location Plan METHODS OF INVESTIGATION GROUNDWATER OBSERVATIONS Driller: Beau Fletcher Casing: 3 1/4" ID H.S.A. **Date** Time Depth (Ft.) Casing At (Ft.) Driller: Ryan Casatelli **Casing Hammer:** NO-Core 05/01/24 While Drilling None Noted 11.0 Inspector: Other: Drill Rig: Soil Sampler: 2" OD Split Barrel 05/01/24 Before Casing Removed None Noted 21.0 CME 55 ATV 05/01/24 After Casing Removed 3.6 * Type: Hammer Wt: 140 lbs. out AWJ **Rod Size:** Hammer Fall: 30 in. 05/01/24 After Casing Removed caved @ 11.4 out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35% Sample Change То RQD % No. From Per 6 Inches little - 10 to 20% / trace - 0 to 10%(Feet) (Ft.) f - fine Rec. (in.) Topsoil and Organic Material (moist) 1**A** 1.0 SS/19 0 0.0 1-1-3-5 Brown/Grey SILT, little CLAY, trace ROOTS (moist, medium 1 1B 1.0 2.0 2 2 SS/20 5-6-7-6 Brown/Grey SILT, trace CLAY (moist, stiff) 13 2.0 4.0 3 4 3 4.0 6.0 SS/23 6-6-5-6 Brown SILT, trace CLAY (wet, stiff) 11 5 6 4 6.0 8.0 SS/20 2-3-5-11 Similar as above (wet, stiff) 8 7 9-11-10-5 8 5 8.0 10.0 SS/14 Brown/Grey weathered ROCK Fragments (Shale), little SILT, trace 21 cmf SAND (moist) 9 10 11 Auger Refusal @ 11.0'. Set up to core. Dark Grey SHALE with interbedded DOLOSTONE layers (<1/8" -33% R-1 11.0 16.0 C/58NQ-Core 12 1/2" thick), slightly to moderately weathered, thinly laminated to thinly bedded, medium hard. Broken and fractured zones @ 11.8'-12.3', 12.9'-13.3', 13.8'-14.2', 13 and 15.0'-15.2'. Weathered zones @ 12.6', 13.4'-13.5' and 14.2'-14.4'. 14 Recovery: $58''/60'' = 97\% \mid RQD: 20''/60'' = 33\%$ 15 11 Pieces, 13" Chips and Fragments

1:00 min/ft, no water loss

and 19.9'-20.0'.

Continued on Page 2

thinly bedded, medium hard to hard.

Weathered zone (3/4" thick) @ 19.3'.

Recovery: $60''/60'' = 100\% \mid RQD: 36''/60'' = 60\%$

Coring conducted in 4th gear, 1700 rpm, 700 psi down pressure.

2.0" thick), slightly to moderately weathered, thinly laminated to

Dark Grey SHALE with interbedded DOLOSTONE layers (<1/8" -

Broken and fractured zones @ 16.7'-16.8', 17.2'-17.9', 18.7'-18.8',

60%

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

NO-Core

Remarks: * Water added to boring during coring.

C/60

16

17

18

19

R-2

16.0

21.0

Attachment to CME Report Number: 28062B-04-0724

Test Boring Logs - Page 96 of 201

6035 Corporate Drive
East Syracuse, NY 13057
Phone: 315-701-0522

SUBSURFACE EXPLORATION
TEST BORING LOG

 Boring No.
 B-585

 Page No.
 2 of 2

 Project No.
 28062

	Associates, Inc. Phone: 315-701-0522 LOG OF BORING SAMPLES						Project No. 28062						
							VISUAL CLAS	SIFICATION (
Depth Scale	Sample	Sample (F	e Depth (t.)	Type / Sample	Blows on Sampler	Depth of Change	c - coarse m - medium	and - 35 to 50	0% / some - 20 to 35%)	SPT "N" or		
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)	f - fine	little - 10 to 2	20% / trace - 0 to 10%		RQD %		
20							Continued from Page 1	F					
21							13 Pieces, 10" Chips and 1:00 min/ft, no water loss						
							Coring conducted in 4th g	gear, 1700 rpm, 70	00 psi down pressi	ıre.			
22							Bottom of Boring @ 21.0						
23													
24													
25	1												
26													
27													
28													
29													
30	1												
31													
32													
33													
34													
35	1												
36													
37													
38													
39													
40	1												
41													
42													
43													
44													
45													

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

17

18

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

15

16

17

18

Dark Grey DOLOSTONE with interbedded SHALE layers (<1/8" -

3.0" thick), slightly weathered, thinly laminated to thinly bedded,

Coring conducted in 4th gear, 1500 rpm, 700 psi down pressure.

Recovery: $60''/60'' = 100\% \mid RQD$: 60''/60'' = 100%

medium hard to hard.

Continued on Page 2

1:00 min/ft, no water loss

10 Pieces, 0" Chips and Fragments

100%

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

NQ-Core

Remarks: *Water added to boring for coring

21.0

C/60

R-2

16

17

18

19

16.0

CRAE	6035 Corporate Drive
GIVIE	East Syracuse, NY 1305
Associates, Inc.	Phone: 315-701-0522

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-588

 Page No.
 2 of 2

 Project No.
 28062

	Associates, Inc. Phone: 315-701-0522 LOG OF BORING SAMPLES						TEST BURING	LUG	Project No.	28	062
<u></u>							VISUAL CLAS	SIFICATION (OF MATERIAL		
Depth Scale	Sample	Sample (F	Depth	Type / Sample	Blows on Sampler	Depth of Change	c - coarse m - medium	and - 35 to 50	0% / some - 20 to 35%		SPT "N" or
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)	f - fine Continued from Page 1	little - 10 to 2	20% / trace - 0 to 10%		RQD %
21							Bottom of Boring @ 21.0'				
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
32											
33											
34											
35											
36											
37											
38											
39											
40											
41											
42											
43											
44											
45	1										

Test Boring Logs - Page 101 of 20

	6035 Corporate Drive Fast Syracuse NY 13057					SUBSURFACE EXPLORATION Boring No.						B-	· 589
		East Syracuse, NY 13057 Associates, Inc. Phone: 315-701-0522							Page No.	1	of 1		
	Ass	ociate	s, Inc.	Phone: 3	315-701-0522		IESI	r BORI	NGI	LUG	Project No.	28	3062
Project	Name:	Micron	ı Camp	us, Clay,	New York	•					Date Started	05/	02/24
Client:		Rambo									Date Finished		02/24
Locatio	n:			on Locati	on Plan						Surface Elev.		33.8'
- 3.55.10					INVESTIGATIO	ON			GR	OUNDWATER			-
Driller:		H. Lyc			Casing:	3 ¼" ID	H.S.A.						4 . (27.)
Driller:		K. Cra			Casing Hammer:			Date		Time	Depth (Ft.)	Casing	g At (Ft.)
Inspect	or:	C. O'H	[ara		Other:			05/02/24		While Drilling	1.0	2	2.0
Drill Ri	g:	CME 4	45		Soil Sampler:	2" OD S	Split Barrel	05/02/24	Befo	re Casing Removed	3.8	1	4.1
Type:		ATV			Hammer Wt:	140 lbs.		05/02/24	Afte	er Casing Removed	2.6	(out
Rod Siz	æ:	AWJ			Hammer Fall:	30 in.		05/02/24	Afte	er Casing Removed	caved @ 3.2	(out
	LO	G OF	BOR	ING SA	AMPLES		VI	SUAL C	LAS	SIFICATION C	F MATERIA	L	
Depth		Sample	e Depth		Blows on			- coarse					SPT "N"
Scale	Sample		t.)	Type / Sample	Sampler	Depth of Change	.	medium		and - 35 to 50	% / some - 20 to 35	%	or
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)	f	- fine		little - 10 to 2	0% / trace - 0 to 10		RQD %
0	1A	0.0	0.8	SS/16	1-WH-1-2		Topsoil an	d Organic	Mate	erial (moist)			1
	1B	0.8	2.0			<u> </u>	Brown SII	(moist, soft)	 				
1													
2	2	2.0	4.0	SS/14	4-5-5-12			ey mottled	SILT	Γ, trace mf SAND,	trace CLAY (m	oist,	10
							stiff)						
3													
4	3	4.0	6.0	SS/15	7-12-10-10		Brown/Gre	ey mottled	SILT	Γ, trace CLAY (mo	oist, stiff)		22
5													
	l ,	6.0	0.0	GG (1.0	5 0 10 10		D 011	T	×				1.0
6	4	6.0	8.0	SS/18	7-9-10-10		Brown SIL	T, trace C	CLAY	(moist, very stiff)			19
_													
7						ļ	A J .		- 	(a) 7.51			
0	5	9.0	10.0	SS/12	6 11 14 14		Augered g				II T (wat madio		25
8	5	8.0	10.0	55/12	6-11-14-14			JKAVEL	and c	emf SAND, trace S	ILI (wei, medii	ım	23
9							compact)						
9													
10	-												
10													
11													
11													
12													
12						·	-						
13	6	13.0	13.3	SS/2	50@3"		Black high	lv weathe	red R	OCK Fragments (S	Shale) (wet)		50+
							Bottom of				, (···-•)		
14													
15	1												
16													
17													
18													
19													
]												
20													1

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks:

Attachm	ent to C	ME Re	port N	umber:	28062B-04-0724					Ţ	est Boring Logs	- Page	102 of 20°
					orporate Drive	SI	JBSURF	ACE EX	KPLC	ORATION	Boring No.		591
					racuse, NY 13057	~,		BORI			Page No.		of 2
	Ass	ociate	s, Inc.	Phone:	315-701-0522		11231	DOKI	NGL	AUG	Project No.	28	3062
Project	Name:	Micron	ı Camp	us, Clay,	New York						Date Started	04/	24/24
Client:		Rambo	oll								Date Finished	04/	24/24
Location	n:			on Locati							Surface Elev.		34.1'
		ME	THO	DS OF	INVESTIGATION	ON			GR	OUNDWATER	OBSERVAT	IONS	
Driller:		H. Lyc	n		Casing:	3 ¼" ID	H.S.A.	Doto		Time	Donth (Et.)	Cosino	- A + (E4)
Driller:		K. Cra	ndall		Casing Hammer:			Date		Time	Depth (Ft.)	Casing	g At (Ft.)
Inspecto	r:	C. O'H	ara		Other:			04/24/24	7	While Drilling	2.0	1	3.0
Drill Ri	g:	CME 4	15		Soil Sampler:	2" OD S	Split Barrel	04/24/24	Befor	e Casing Removed	7.5	2	1.1
Type:		ATV			Hammer Wt:	140 lbs.		04/24/24	After	Casing Removed	3.5	(out
Rod Siz	e:	AWJ			Hammer Fall:	30 in.		04/24/24	After	Casing Removed	caved @ 8.0	(out
	LO	G OF	BOR	ING SA	AMPLES		VI	SUAL C	LASS	SIFICATION C	F MATERIA	L	
Donth		Sample	e Depth		Blows on			coarse					SPT "N"
Depth Scale	Sample	_	t.)	Type / Sample	Sampler	Depth of Change		medium		and - 35 to 50	% / some - 20 to 35	0/0	or
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)		- fine			0% / trace - 0 to 10°		RQD %
0	1A	0.0	0.7	SS/12	1-1-1-2	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Topsoil an		Mate				2
-	1B	0.7	2.0							(moist, soft)			
1								,		, ,			
2	2	2.0	4.0	SS/16	3-3-3-3		Similar as	above (mo	oist, m	edium stiff)			6
_	_					Similar as above (moist, medium stiff)							
3													
· ·													
4	3	4.0	6.0	SS/11	1-2-4-5	Brown SILT, trace fine SAND, trace CLAY (wet, medium stiff)							
•	5	1.0	0.0	55,11	12.13		Dio wii bil	1, 11400 1	.	ir (B), ir acc CE111	(Wet, Integralia	· · · · · · · · · · · · · · · · · · ·	6
5													
2													
6	4	6.0	8.0	SS/16	8-8-7-7		Brown SIL	T. trace (CLAY	(wet. stiff)			15
Ü	·	0.0		22,10			210 111 212	,		()			10
7													
,													
8	5	8.0	10.0	SS/19	3-4-5-3		Grev/Brow	n. Simila	r as ab	ove (wet, stiff)			9
Ü		0.0	10.0	22,19			01 0 j/210	,		o (o (o o o o o o o o o o o o o o o o			
9													
10													
11													
12													
13	6A	13.0	13.5	SS/12	1-3-4-3		Grey/Brow	n SILT, 1	ittle C	LAY (wet, mediu	m stiff)		7
-	6B	13.5	15.0							SILT, little cmf SA		RAVEL	
14							(wet, medi	-		,	· -		
								,					
15													
16													
-													
17													
1,													
18	7A	18.0	18.5	SS/8	3-9-7-1		Brown/Gre	y SILT. 1	ittle C	LAY, trace cmf S.	AND (moist)		16
			- 3.0					,, 1		,	()		
19	7B	18.5	20.0				Highly weathered ROCK Fragments (Shale), little SILT,						
							trace cmf S				. ,		
20		I	I				Continued	,	_				

20 Continued on Page 2
SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks:

Attachment to CME Report Number: 28062B-04-0724

Test Boring Logs - Page 103 of 201

6035 Corporate Drive
East Syracuse, NY 13057
Phone: 315-701-0522

TEST

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-591

 Page No.
 2 of 2

 Project No.
 28062

	Associates, Inc. Phone: 315-701-0522 LOG OF BORING SAMPLES					Project No. 28062							
		G OF	BOR	ING SA	AMPLES		VISUAL CLAS	SIFICATION (OF MATERIAL				
Depth Scale	Sample	Sample	e Depth	Type / Sample	Blows on Sampler	Depth of Change	c - coarse m - medium		0% / some - 20 to 35%		SPT "N"		
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)	f - fine	little - 10 to 2	20% / trace - 0 to 10%		RQD %		
20							Continued from Page 1				Ì		
21	8	21.1	21.2	SS/1	50@1"		Augers harder beginning Black Rock Fragments (S				50+		
21	8	21.1	21.2	33/1	30(0)1		Split Spoon and Auger Re				301		
22							Bottom of Boring @ 21.1	jusur © 21.1					
23													
24													
25	-												
26													
27													
28													
29													
30													
31													
32													
33													
34													
35													
36													
37													
38													
39													
40													
41													
42													
43													
44													
45	1												

Test Boring Logs - Page 104 of 201

		N/		6035 Co	orporate Drive	SI	JBSURF	ACE EX	KPL/	ORATION	Boring No.	B-	592
		LV	Ę		racuse, NY 13057			BORI			Page No.	1	of 1
	Asso	ociate		I moner.	315-701-0522		TEST	DOM	110	LOG	Project No.		3062
Project	Name:			us, Clay,	New York						Date Started		02/24
Client:		Rambo	oll								Date Finished	05/	02/24
Location	n:			on Locati							Surface Elev.		33.0'
		ME	THO	DS OF	INVESTIGATIO	N			GF	ROUNDWATER	R OBSERVAT	IONS	
Driller:		H. Lyc			Casing:	3 ¼" ID	H.S.A.	Date		Time	Depth (Ft.)	Casino	At (Ft.)
Driller:		K. Cra			Casing Hammer:						- ' '	,	, , ,
Inspecto		C. O'H	ara		Other:			05/02/24		While Drilling	2.8	(5.0
Drill Ri	g:	CME 4	15		Soil Sampler:		Split Barrel	05/02/24		ore Casing Removed	6.7	1	6.5
Type:		ATV			Hammer Wt:	140 lbs.		05/02/24		er Casing Removed	4.3	(out
Rod Siz		AWJ			Hammer Fall:	30 in.		05/02/24		er Casing Removed	caved @ 6.0		out
	LO	G OF	BOR	ING SA	AMPLES		VI	SUAL C	LAS	SSIFICATION (OF MATERIA	L	
Depth		Sample	e Depth	Type /	Blows on	Depth of	c -	- coarse					SPT "N"
Scale	Sample	(F	t.)	Sample	Sampler	Change		medium		and - 35 to 50	% / some - 20 to 35	%	or
(Feet)	No.	From	To	Rec. (in.)	Per 6 Inches	(Ft.)		- fine			20% / trace - 0 to 10°	%	RQD %
0	1A	0.0	0.6	SS/17	WH-1-1-4	L				erial (moist)			2
	1B	0.6	2.0			[Brown SIL	T, trace C	CLAY	Y, trace fine SAND	, trace ORGANI	.C	
1							MATERIA	L (moist,	soft))			
2	2	2.0	4.0	SS/15	4-4-4-6		Brown SIL	T and cm	f SA	ND, trace fine GRA	AVEL (wet, stiff)	8
3													
4	3	4.0	6.0	SS/13	6-7-7-6		Brown/Gre	y mottled	I SIL	T, trace CLAY, tra	ce fine SAND (v	vet,	14
						Brown/Grey mottled SILT, trace CLAY, trace fine SAND (wet, stiff)							
5							·						
6	4	6.0	8.0	SS/11	8-8-10-7		Similar as	above (we	et, ve	ery stiff)			18
7													
8	5	8.0	10.0	SS/14	3-3-3-4		Grey, Simi	lar as abo	ve (v	vet, medium stiff)			6
9													
10													
11													
12						T	<u> </u>						
13	6	13.0	15.0	SS/8	7-4-4-3		Grey cmf (GRAVEL.	, little	e SILT, little cmf S	AND (wet, loose	e)	8
]	•			` ,		
14													
15													
16							Augers hai	rder begin	ıning	@ 16.2'			
	7	16.5	16.5	SS/0	50@0"		~	_	_	efusal @ 16.5'			50+
17							Bottom of						
18													
19													
							[

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks:

Allachin	ent to C	IVIE RE	port in	umber: A	28062B-04-0724					<u></u> <u>_</u>	est Boring Logs	- Page	105 of 201	
				6035 Co	orporate Drive	CI.	TRSTIDE	ACE EX	 ZDI 4	ORATION	Boring No.	B-	593	
				East Syr	racuse, NY 13057	50					Page No.	1	of 1	
	Asso	ociates	s, Inc.	Phone:	315-701-0522		TEST	BORI	NG I	LOG	Project No.		062	
Project					New York						Date Started		29/24	
Client:		Rambo		, ,							Date Finished		30/24	
Location	n:			on Locati	on Plan						Surface Elev.		2.4'	
2004010					INVESTIGATIO)N			GR	OUNDWATER				
Driller:		H. Lyo		2001	Casing:	3 ¼" ID	H.S.A.							
Driller:		K. Cra			Casing Hammer:	0 /4 12	11.0.1.1.	Date		Time	Depth (Ft.)	Casing	At (Ft.)	
Inspecto	or:	C. O'H			Other:			04/29/24		While Drilling	2.1	(5.0	
Drill Ri		CME 4			Soil Sampler:	2" OD S	Split Barrel	04/30/24		re Casing Removed	6.0		3.0	
Type:		ATV			Hammer Wt:	140 lbs.	-	04/30/24		er Casing Removed	4.5	(out	
Rod Siz	e:	AWJ			Hammer Fall:	30 in.		04/30/24		er Casing Removed	caved @ 6.3	(out	
	LO	G OF	BOR	ING SA	AMPLES		VI	SUAL C	LAS	SIFICATION C	F MATERIA	L		
Depth		Sample	e Depth		Blows on			coarse					SPT "N"	
Scale	Sample	_	t.)	Type / Sample	Sampler	Depth of Change		medium		and - 35 to 50	% / some - 20 to 35	%	or	
(Feet)	No.	From	_	Rec. (in.)	Per 6 Inches	(Ft.)		- fine			0% / trace - 0 to 109		RQD %	
0	1A	0.0	0.7	SS/14	WR-2-3-4		Topsoil an	d Organic	Mate	erial (moist)			5	
	1B	0.7	2.0			1	Brown SIL	T, trace C	CLAY	, trace fine SAND	(moist, medium			
1							stiff)							
2	2	2.0	4.0	SS/12	5-6-7-6	Brown/Grey mottled SILT, trace CLAY (moist, stiff)								
3														
4	3	4.0	6.0	SS/13	4-4-2-2		Brown SIL	T, trace C	CLAY	(moist, medium s	tiff)		6	
5														
6	4	6.0	8.0	SS/16	4-5-6-7		Similar as	above (we	et, stif	ff)			11	
_														
7														
	_	0.0	100	GG /1 5	10 14 16 11		D 011		~	ag 13 IB	/ 1 · 1 · 1		2.0	
8	5	8.0	10.0	SS/15	12-14-16-11		Brown SIL	T, trace C	CLAY	, trace cmf SAND	(moist, hard)		30	
0														
9														
10														
10														
11							Augers hai	der besie	mina	@ 110'				
11							Augers nar	uer vegin	ınıng	₩ 11.U				
12														
12														
13	6A	13.0	14.8	SS/11	14-12-8-11		Brown CI	AV some	ר ווצ	Γ, trace cmf SAND	(wet very stiff)	1	20	
13	UA	15.0	17.0	ווימט	17-12-0-11		TOWIT CE	1 , 501110	SILI	, aace ciii SAND	(wei, very suil)	•		
14						 -								
' '	6B	14.8	15.0	SS/11			Black cmf	SAND so	ome S	SILT (wet)				
15	Ü	`	10.0											
16	7	16.0	16.1	SS/1	50@2"		Black ROO	CK Fragm	ents (Shale) - Auger Ref	fusal @ 16.0'		50+	
							Bottom of							
17								20						
18														
19														
1		ı		I		1								

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod Remarks:

Attachm	Attachment to CME Report Number: 28062B-04-0724 Test Boring Logs - Page 106 of 201 SUBSURFACE EXPLORATION Boring No. B-594													
				6035 Cd	orporate Drive	SI	IRSHRE	CE EX	PI (ORATION	Boring No.	B-	594	
		IV		East Sy	racuse, NY 13057						Page No.	1	of 2	
	Asso	ociates	s, Inc.	-	315-701-0522		IESI	BORI	NGI	LUG	Project No.	28	3062	
Project	Name:	Micror	ı Camp	us, Clay,	New York	•					Date Started	05/	01/24	
Client:		Rambo	oll								Date Finished	05/	02/24	
Location	n:	See Ex	ploration	on Locati	on Plan						Surface Elev.	39	92.9'	
					INVESTIGATIO	N			GR	OUNDWATER				
Driller:		Beau F	letcher		Casing:	3 ¼" ID	H.S.A.				5 (5.)	~ .	4 . (7.)	
Driller:		Ryan C	Casatell	i	Casing Hammer:			Date		Time	Depth (Ft.)	Casing	g At (Ft.)	
Inspecto	or:				Other:	NQ-Cor	re	05/02/24		While Drilling	9.3	1	3.5	
Drill Ri	g:	CME 5	55		Soil Sampler:	2" OD S	Split Barrel	05/02/24	Befor	re Casing Removed	None Noted	2	6.5	
Type:		ATV			Hammer Wt:	140 lbs.		05/02/24	Afte	r Casing Removed	3.4 *	(out	
Rod Siz	e:	AWJ			Hammer Fall:	30 in.		05/02/24	Afte	r Casing Removed	caved @ 7.9	(out	
	LO	G OF	BOR	ING SA	AMPLES		VI	SUAL C	LAS	SIFICATION C	F MATERIA	L		
Depth		Sample	e Depth		Blows on			coarse					SPT "N"	
Scale	Sample	_	t.)	Type / Sample	Sampler	Depth of Change		medium		and - 35 to 50	1% / some - 20 to 35	%	or	
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)		- fine			0% / trace - 0 to 10°		RQD %	
0	1A	0.0	1.0	SS/17	WH-WH-2-3		Topsoil an	d Organic	Mate	erial (moist)			2	
							1	0		,				
1	1B	1.0	2.0			t	Brown/Gre	y SILT, 1	ittle C	CLAY (moist, soft)				
								• , -		, ,)				
2	2	2.0	4.0	SS/16	3-4-3-4		Brown SIL	T, little C	LAY	(moist, medium st	tiff)		7	
										•	,			
3														
4	3	4.0	6.0	SS/23	4-5-6-9	Brown SILT, trace CLAY (wet, stiff)								
						Brown SILT, trace CLAY (wet, stiff)								
5														
6	4	6.0	8.0	SS/20	6-8-8-10		Brown SIL	T, trace C	CLAY	(wet, very stiff)			16	
										- ,				
7														
8	5	8.0	10.0	SS/19	5-8-8-8		Similar as	above (we	et, ver	y stiff)			16	
9														
	l i													
10														
11						ļ - -	<u> </u>							
12														
13														
	6	13.5	15.0	SS/18	2-2-16			SAND, so	me SI	LT, trace fine GR.	AVEL (wet, med	lium	18	
14							compact)							
	1													
15														
16														
17						ļ								
1.0														
18		10 -		~~:-	26.506		D			1000	(01 1)			
1.5	7	18.5	19.1	SS/6	26-50@1"		Dark Grey	highly we	eather	ed ROCK Fragme	nts (Shale) (wet))	50+	
19								.	_					
20] [<u> </u>				fusal @ 19.5. Set	up to core.		_	
20	1:4 C		T., 1' ·		-h- C C 377	W-: 1:	Continued	on Page 2	<u>,</u>	-:-1.4 - CD - 1				
-	-				abe, C - Core, WH -	weight c	1 Hammer -	⊦ Kod, W	K - W	eignt of Rod				
Remar	KS:	" w ate	r adde	u to bor	ing for coring.									

CME Associates, Inc.

6035 Corporate Drive East Syracuse, NY 13057

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-594

 Page No.
 2 of 2

 Project No.
 28062

	LOG OF BORING SAMPLES						TEST BORING I	LUG	Project No. 2	8062			
							VISUAL CLAS	SIFICATION (OF MATERIAL				
Depth		Sample	e Depth	Type /	Blows on	Depth of	c - coarse			SPT "N"			
Scale	Sample		t.)	Sample	Sampler	Change	m - medium		0% / some - 20 to 35%	or			
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)	f - fine Continued from Page 1	little - 10 to 2	20% / trace - 0 to 10%	RQD %			
21	R-1	19.5	24.5	C/60	NQ-Core		19.5' - 22.0': Dark Grey Sl medium bedded, medium interbedded Shale layers (hard. 22.0' - 24.5'	: DOLOSTONE with	48%			
22							laminated to thinly bedded (1/4" thick) @ 19.8'. Brok	l, medium hard to	hard. SILT seam				
23							and 26.5' - 26.7'. Recovery: 60"/60" = 100' 27 Pieces, 0" Chips and Fr		= 48%				
							1:00 min/ft, no water loss	ruginoms					
25 26	R-2	24.5	29.5	C/60	NQ-Core		Coring conducted in 4th g Dark Grey DOLOSTONE	with interbedded	SHALE layers (<1/8" -	72%			
27							3.0" thick), slightly weathered, thinly laminated to medium bedded, medium hard to hard. Recovery: 60"/60" = 100% ROD: 43"/60" = 72%						
28							RQD: 43"/60" = 72% 7 Pieces, 5" Chips and Fragments						
29							1:00 min/ft, no water loss Coring conducted in 4th gear, 1500 rpm, 700 psi down pressure. Bottom of Boring @ 29.5'						
30	1												
31													
32													
33													
34													
35													
36													
37													
38													
39													
40													
42													
43													
44													
45	1												

Attachm	ent to C	INE KE	port in	umber:	28062B-04-0724						est Boring Logs	- Page	108 of 201
				6035 C	orporate Drive	CI	IDCIIDE	ACE EX	ZDI	ORATION	Boring No.	B-	-595
				East Sy	racuse, NY 13057	50			0	Page No. 1 o			
	Ass	ociate	s, Inc.	Phone:	315-701-0522		TEST	BORI	Project No.	0			
Project					, New York						Date Started		02/24
Client:		Rambo	•	,,,	, 1, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,						Date Finished		03/24
Location	n:			on Locat	ion Plan						Surface Elev.		
Location					'INVESTIGATIO)N			CI	ROUNDWATER			7.0.1
Driller:			letcher		Casing:	3 ¼" ID	HSA		<u> </u>				
Driller:			Casatell		Casing Hammer:	0 /4 12	11.5.1.1.	Date		Time	Depth (Ft.)	Casing	g At (Ft.)
Inspecto	r:	,		-	Other:	NQ-Cor	·e	05/02/24		While Drilling	0.0	1	8.5
Drill Ri		CME 5	55		Soil Sampler:	•	Split Barrel			Fore Casing Removed	None Noted		28.6
Type:	9	ATV			Hammer Wt:	140 lbs.	•	05/03/24		ter Casing Removed	2.7		out
Rod Siz	e:	AWJ			Hammer Fall:	30 in.		05/03/24		ter Casing Removed	caved @ 13.0		out
	LO	G OF	BOR	ING SA	AMPLES		VI	SUAL C		SSIFICATION C	F MATERIA	L	
Daniel		1	e Depth		Blows on								SPT "N"
Depth Scale	Sample		t.)	Type /	Sampler	Depth of		coarse medium		and - 35 to 50	% / some - 20 to 35	0/0	or
(Feet)	No.	From	То	Sample Rec. (in.)	Per 6 Inches	Change (Ft.)		- fine			0% / trace - 0 to 109		RQD %
0	1A	0.0	0.5	SS/15	WH-2-3-4	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			Mat	terial (moist)			5
	1B	0.5	2.0		1					CLAY, trace fine S	AND (moist, m	edium	
1							stiff)	, .	_	,	, ,		
2	2	2.0	4.0	SS/17	6-6-7-7		Brown SIL	T, trace f	ine S	SAND, trace CLAY	(wet, stiff)		13
										•	, , ,		
3													
4	3	4.0	6.0	SS/16	5-6-6-8		Brown SIL	T, trace f	ine S	SAND, trace CLAY	(wet, stiff)		12
								,		,	` ' '		
5													
6	4	6.0	8.0	SS/16	6-6-8-8		Similar as above (wet, stiff)						14
7													
8	5	8.0	10.0	SS/20	5-7-8-7		Brown/Gre	ey, similar	as a	bove (wet, very stif	f)		15
9													
10													
11													
1.0													
12													
12													
13	4	12.5	15.0	00/10	0 6 7		Crov. CII T	tucas OT	A 3.7	(wet stiff)			1.2
1.4	6	13.5	15.0	SS/12	8-6-7		Grey SILT	, trace CL	LA Y	(wet, still)			13
14													
15													
13													
16													
10													
17													
1 /													
18						<u> </u>	Augers har	der hegiv	nino	<u> </u>			1
	7	18.5	18.6	SS/1	50@1"					OCK Fragments (S	hale) (wet)		50+
19	,	13.3	10.0							efusal @ 18.6. Set			
	R-1	18.6	23.6	C/59	NQ-Core					h interbedded SHAI		- 3.0"	93%
20		-0.0] 5 /			Continued			June of the	, (-1/0		

Continued on Page 2

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks: *Water added to boring for coring.

CVE Associates, Inc.

6035 Corporate Drive East Syracuse, NY 13057 Phone: 315, 701, 0522

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-595

 Page No.
 2 of 2

 Project No.
 28062

	•					8062					
	LO	G OF BO		ING SA	MPLES	ES VISUAL CLASSIFICATION OF MATERIAL					
Depth Scale (Feet)	Sample No.	_	Depth t.)	Type / Sample Rec. (in.)	Blows on Sampler Per 6 Inches	Depth of Change (Ft.)	c - coarse m - medium f - fine		0% / some - 20 to 35% 20% / trace - 0 to 10%	SPT "N" or RQD %	
20 21 22 23 24 25 26 27 28	R-2	23.6		C/58	NQ-Core		Continued from Page 1 thick), slightly weathered, medium hard to hard. SILT seam (<1/8" thick) 6 Recovery: 59"/60" = 98% 21 Pieces, 0" Chips and Fil:00 min/ft, no water loss Coring conducted in 4th g Grey DOLOSTONE with thick), slightly weathered, medium hard to hard. Broken and fractured zone Recovery: 58"/60" = 97% 12 Pieces, 4" Chips and Fil:00 min/ft, no water loss Coring conducted in 4th g	thinly laminated to 23.0'. 5 RQD: 56"/60" = ragments rear, 1700 rpm, 70 interbedded SHAI thinly laminated to RQD: 49"/60" = ragments	o medium bedded, = 93% O psi down pressure. LE layers (<1/8" - 5.0" o medium bedded, and 27.0' - 27.2'. = 82%	82%	
29							Bottom of Boring @ 28.6				
30											
31											
33											
34											
35											
3637											
38											
39											
40											
41											
42 43											
44											
45	1										

Test Boring Logs - Page 110 of 20

				6035 C	orporate Drive	SI	URSURF	ACE EX	KPLORATION	Boring No.	B-	596
		East Syracuse, NY 13057							Page No.	_		
	Ass		35		315-701-0522		11201	I DOKI	v		8062	
-	Name:			us, Clay,	New York					Date Started		19/24
lient:		Rambo	oll							Date Finished	04/	19/24
ocatio	n:			on Locati						Surface Elev.		91.7'
		ME	THO	DS OF	INVESTIGATIO				GROUNDWATI	ER OBSERVAT	CIONS	
riller:			letcher		Casing:	3 ¼" ID	H.S.A.	Date	Time	Depth (Ft.)	Casino	At (Ft.)
riller:		-	Casatell	i	Casing Hammer:					• • •		
nspect		Chris (Other:			04/19/24	D	11.3		3.5
rill Ri	g:	CME 5	55		Soil Sampler:		Split Barrel		Before Casing Remove		2	2.2
ype:		ATV			Hammer Wt:	140 lbs.	•	04/19/24			-	out
od Siz		AWJ	DOD	DIC C	Hammer Fall:	30 in.	X 7T	04/19/24	U			out
	LO	G OF	BOK	ING SA	AMPLES		VI	SUAL C	LASSIFICATION	OF MATERIA	L	1
Depth			e Depth	Type /	Blows on	Depth of	. c	- coarse				SPT "N"
Scale	Sample		řt.)	Sample	Sampler	Change	m -	medium		50% / some - 20 to 35		or
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)		- fine		to 20% / trace - 0 to 10°	%	RQD %
0	1A	0.0	0.5	SS/15	1-1-4-3	ļ			Material (moist)			5
	1B	0.5	2.0					•	SILT, little CLAY, t	race ORGANIC		
1							MATERIA	AL (moist,	medium stiff)			
2	2	2.0	4.0	00/10	2656		G: 1	1 (1.1
2	2	2.0	4.0	SS/19	3-6-5-6		Similar as	above (mo	oist, stiff)			11
2												
3												
4	3	4.0	6.0	SS/14	4-4-4-2		Cmary/Dmarr	m CLAV	sama CII T tuana am	fcanD (maist m	مطنيس	8
4	3	4.0	0.0	55/14	4-4-4-2		stiff)	vn CLAY,	some SILT, trace cm	i SAND (moisi, m	eaium	8
5							Sum)					
3												
6	4	6.0	8.0	SS/13	3-5-5-4		Brown SII	T trace (CLAY (moist, stiff)			10
U	_	0.0	0.0	55/15	3-3-3-4		Diowii Sil	i, nace C	ZLAT (moist, stiff)			10
7												
,												
8	5	8.0	10.0	SS/12	4-7-6-7		Similar as	above (we	et, stiff)			13
									, ,			
9												
10												
11												
12												
13												
	6	13.5	15.0	SS/11	3-4-7				CLAY, trace mf GRA	VEL, trace cmf SA	ND	11
14							(wet, stiff)					
. -												
15												
1.0												
16												
17						ļ	-					
17												
10												
18	7	10 5	20.0	00/10	5 15 17		Dords C	omf CD A	VEL gome amfGAN	ID 1541 CHT (+	22
10	7	18.5	∠0.0	SS/10	5-15-17			cmi GRA	VEL, some cmf SAN	D, little SILT (we	ι,	32
19							compact)					
20							Continued	D 2	•			

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks:

6035 Corporate Drive East Syracuse, NY 13057 Associates, Inc. Phone: 315-701-0522

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-596

 Page No.
 2 of 2

 Project No.
 28062

Associates, Inc. Phone: 315-701-0522					315-701-0522	Project No. 28062							
LOG OF BORING SAMPLES						VISUAL CLASSIFICATION OF MATERIAL							
Depth Scale (Feet)	Sample No.		Depth	Type / Sample Rec. (in.)	Blows on Sampler Per 6 Inches	Depth of Change (Ft.)	c - coarse m - medium f - fine	and - 35 to 50	0% / some - 20 to 35% 20% / trace - 0 to 10%		SPT "N" or RQD %		
20				, , ,			Continued from Page 1				,		
21													
22	8	22.2	22.2	SS/0	50@0"		ROCK Fragments in tip of Bottom of Boring @ 22.2	f spoon. Auger Re	efusal @ 22.2'		50+		
23													
24													
25													
26													
27													
28													
30													
31													
32													
33													
34													
35													
36													
37													
38													
39													
40													
41													
42													
43													
44													
45	Ī												

Test Boring Logs - Page 112 of 20:

				6035 C	orporate Drive	CI	IRSIIRE	ACE EX	ZPI 4	ORATION	Boring No.	B-	598
		East Syracuse, NY 13057 Phone: 315-701-0522						Page No.		of 2			
	Ass						163	r BORI	110	LUG	Project No.	-	
Project 1	Name:		_	us, Clay,	New York						Date Started		01/24
Client:		Rambo		-							Date Finished		01/24
Location	1:			on Locati		3.7		T			Surface Elev.		3.5'
				DS OF	INVESTIGATIO				GF	ROUNDWATER	OBSERVAT	IONS	
Driller:		H. Lyo			Casing:	3 ¼" ID	H.S.A.	Date		Time	Depth (Ft.)	Casing	At (Ft.)
Driller:		K. Cra C. O'H			Casing Hammer: Other:			05/01/24			• ` ′		
Inspecto Drill Rig		C. On			Soil Sampler:	2" OD 9	Split Barrel	05/01/24		While Drilling ore Casing Removed			
Dim Kış Type:	5•	ATV	T J		Hammer Wt:	140 lbs.	-	05/01/24		ter Casing Removed			out
Rod Size	e:	AWJ			Hammer Fall:	30 in.		05/01/24		ter Casing Removed	caved @ 8.0		out
			BOR	ING SA	AMPLES		VI			SSIFICATION C	,	L	
Donth		ī	e Depth		Blows on								SPT "N"
Depth Scale	Sample	_	t.)	Type / Sample	Sampler	Depth of Change		- coarse medium		and - 35 to 50	% / some - 20 to 359	%	or
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)		- fine			0% / trace - 0 to 10%		RQD %
0	1A	0.0	0.6	SS/14	WH-WH-3-2		Topsoil an	d Organic	Mat	terial (moist)			3
	1B	0.6	2.0				Brown/Gre	ey SILT, t	race (CLAY, trace mf SA	ND (moist, soft)	
1													
2	•	2.0	4.0	00/15	1010		D 222	m that o	T 4 T	7.4	(, <u> </u>		_
2	2	2.0	4.0	SS/15	1-2-1-2		Brown SIL	1, little C	LAY	Y, trace cmf SAND	(wet, soft)		3
3													
3													
4	3	4.0	6.0	SS/14	9-11-11-7		Brown SII	T. trace C	LAY	Y (moist, very stiff)			22
·			5.0		, ,			,		- (
5													
6	4	6.0	8.0	SS/17	5-5-6-5		Brown/Gre	ey/Orange	, Sim	nilar as above (mois	t, stiff)		11
_													
7													
8	5	8.0	10.0	SS/12	3-4-5-4		Croy CII T	trees CI	A 37 4	(wat stiff)			9
0	3	0.0	10.0	33/12	3-4-3-4		Grey SILT	, nace CL	AI ((wei, silli)			9
9													
_													
10													
11													
12													
12	6	12.0	15.0	00/14	2755		C::1-	a h a (· - ·	:m			12
13	6	13.0	15.0	SS/14	2-7-5-5		Similar as	above (we	et, sti	111)			12
14													
17													
15													
-													
16													
						 	<u> </u>						
17						[<u></u>							
4.5												_ /	
18	7	18.0	20.0	SS/17	1-2-2-4				SILT,	, little mf GRAVEL	, trace cmf SAN	D (wet,	4
10							medium st	111)					
19													
20							Continued	on Page 2)				

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks:

Attachment to CME Report Number: 28062B-04-0724

Test Boring Logs - Page 113 of 201

6035 Corporate Drive
East Syracuse, NY 13057
Phone: 315-701-0522

SUBSURFACE EXPLORATION
TEST BORING LOG

 Boring No.
 B-598

 Page No.
 2 of 2

 Project No.
 28062

	Ass	ociate	s, Inc.	Phone:	315-701-0522		TEST BORING I	LUG	Project No.	280	62		
LOG OF BORING SAMPLES						VISUAL CLASSIFICATION OF MATERIAL							
Depth		1	e Depth		Blows on					T	SPT "N"		
Scale	Sample		t.)	Type / Sample	Sampler	Depth of Change	c - coarse m - medium	and - 35 to 50	% / some - 20 to 35%		or or		
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)	f - fine		0% / trace - 0 to 10%		RQD %		
20							Continued from Page 1						
21	8A	20.0		SS/14	8-15-50@2"	ļ	Similar as above (wet, har	d)	51-1		50+		
21	8B 9	20.6 21.1	21.7 21.1	SS/0	50@0"		Black highly weathered Ro Split Spoon and Auger Rej		Snaie)				
22		21.1	21.1	55/0	30000		Bottom of Boring @ 21.1'						
23													
24													
24													
25													
26													
27													
21													
28													
20													
29													
30													
31													
32													
32													
33													
34													
35													
35													
36													
27													
37													
38													
39													
40													
40													
41													
42													
43													
7.5													
44													
4.5													
45	1	1	1		Ī	I	1						

Test Boring Logs - Page 114 of 201

Attaciiii	CHI TO C	NVIL IXC	portry	uilibei. 2	20002B-04-0724	_					est boning Logs	- raye	117 01 201
				6035 Co	orporate Drive	CI	IRSHIRE	ACE EX	Z PT	ORATION	Boring No.	B-	600
				East Syr	racuse, NY 13057						Page No.	1	of 1
	Ass	ociate	s, Inc.		315-701-0522		TEST	BORI	NG	LOG	Project No.		3062
Project	Name:	Micror	Campi		New York						Date Started		24/24
Client:		Rambo		, e.m.j,	110111						Date Finished		24/24
Location	1.			on Locati	on Plan						Surface Elev.		33.4'
Location	1.	•	_		INVESTIGATION TO THE PROPERTY OF THE PROPERTY)N			G	ROUNDWATER			,,,,
Driller:		H. Lyc		DS OI	Casing:	3 ¼" ID	HSA		<u> </u>	ROUND WILLE	OBSERVAT	10115	
Driller:		K. Cra			Casing Hammer:	3 /4 11	11.5.71.	Date		Time	Depth (Ft.)	Casing	g At (Ft.)
Inspecto	r:	C. O'H			Other:			04/24/24		While Drilling	7.8	8	3.0
Drill Ri		CME 4			Soil Sampler:	2" OD S	plit Barrel	04/24/24		Fore Casing Removed	7.0		7.4
Type:	5*	ATV			Hammer Wt:	140 lbs.	-	04/24/24		ter Casing Removed	4.7		out
Rod Size	e:	AWJ			Hammer Fall:	30 in.		04/24/24		ter Casing Removed	caved @ 7.6		out
			BOR	ING S	AMPLES	1	VI			SSIFICATION (-		
	LO	1		110 52		+					or white Ettin		l
Depth Scale	Sample	_	e Depth (t.)	Type /	Blows on Sampler	Depth of		coarse medium		and 25 to 50	0% / some - 20 to 35	0/	SPT "N"
(Feet)	No.	From	To	Sample Rec. (in.)	Per 6 Inches	Change (Ft.)		- fine			20% / trace - 0 to 109		or RQD %
0	1A	0.0	0.6	SS/14	1-1-4-4	(11.)			Mat	terial (moist)	.0707 trace 0 to 10.	, 0	5
Ů	1B	0.6	2.0	55/11	11	·				T, trace CLAY (mo	oist, medium stif	f)	
1	12	0.0	2.0					, , , , , , , , , , , , , , , , , , , ,		21, uutt 02:11 (iii	,	-)	
1													
2	2	2.0	4.0	SS/10	2-2-4-3		Similar as	above (mo	oist.	medium stiff)			6
	_								,	,			
3													
4	3	4.0	6.0	SS/13	3-5-5-3		Brown/Red	l SILT. lit	ttle c	emf SAND, trace fir	ne GRAVEL, tra	ce	10
			0.0	22,12			CLAY (mo			2111 25, 11400 111	0141.22, 44		10
5								,)					
6	4A	6.0	6.9	SS/15	4-15-23-23		Similar as	above (we	et, ha	ard)			38
	4B	6.9	8.0							ne cmf SAND, little	SILT (moist, co	mpact)	
7							Augers like					1 /	
							Augers har						
8	5	8.0	10.0	SS/8	4-5-13-19					EL, some cmf SAN	D, little SILT (w	et,	18
							medium co	mpact)		•		,	
9								• /					
10													
11													
12													
13	6	13.0	15.0	SS/11	1-2-4-11		Grey cmf S	SAND and	d mf	GRAVEL, little SI	LT (moist, loose)	6
14													
15						ļ							
							Augers hai	der begin	ıning	g @ 15.5'			
16													
17	7	17.4	17.5	SS/1	50@1"			_		(Shale) (wet)			50+
										<u> Pefusal @ 17.4'</u>			
18							Bottom of	Boring @) 17.4	4'			
1.0													
19													
							ĺ						

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod Remarks:

Test Boring Logs - Page 115 of 201

/ titaci ii ii	one to o	IVIL ICC	port N	umber. 2	20002B-04-0724						est boning Logs	i ago	110 01 201
				6035 Co	orporate Drive	SI	JBSURF	ACE EX	ХРІ	ORATION	Boring No.	B	-601
		IV		East Syr	racuse, NY 13057			BORI			Page No.	1	of 1
	Asso	ciates	s, Inc.	Phone: 3	315-701-0522		IESI	DUKI	NG	LUG	Project No.	2	8062
Project 1	Name:			us, Clay,	New York						Date Started		01/24
Client:		Rambo	oll								Date Finished	05/	01/24
Location	1:		_	on Locati							Surface Elev.		83.1'
					INVESTIGATIO				G]	ROUNDWATER	OBSERVAT	IONS	
Driller:		H. Lyo			Casing:	3 ¼" ID	H.S.A.	Date		Time	Depth (Ft.)	Casin	g At (Ft.)
Driller:		K. Cra			Casing Hammer:						• • •	,	, ,
Inspecto		C. O'H			Other:	211 OD 6	1 1'4 D 1	05/01/24		While Drilling	0.6		3.0
Drill Rig	-	CME 4	13		Soil Sampler:	2" OD 8	Split Barrel	05/01/24		fore Casing Removed	7.1		5.0
Type: Rod Size		AI V AWJ			Hammer Wt: Hammer Fall:	30 in.		05/01/24		ter Casing Removed	4.6 caved @ 7.3	-	out out
Kou Size			P ∩D		AMPLES	30 III.	VI			SSIFICATION (oui
	LO	ı		ING SE	AWII LES	+	V 1	SUALC	LA	Sification	JI MATEKIA	L	1
Depth	a .		Depth	Type /	Blows on	Depth of		- coarse		1 25 . 50	20.	0./	SPT "N"
Scale (Feet)	Sample No.	From	t.) To	Sample	Sampler Per 6 Inches	Change (Ft.)		medium - fine			0% / some - 20 to 35 20% / trace - 0 to 10		or RQD %
0	1A	0.0	0.7	Rec. (in.) SS/13	1-WH-WH-4	(Ft.)			· Ma	terial (moist)	2076 / trace - 0 to 10	70	0
U	1B	0.7	2.0	33/13	1- 11- 11-4	·				Y, trace fine SAND.	trace ORGANI		\cdot
1	110	0.7	2.0				MATERIA	-			, indee Ortor in vi		
1							IVII LI LICII	in (moist,	, , , , ,	<i>y</i> 501 <i>t</i>)			
2	2	2.0	4.0	SS/17	3-8-7-6		Brown SIL	T, trace C	CLA	Y (moist, very stiff)			15
								,		, , ,			
3													
4	3	4.0	6.0	SS/13	5-7-5-7		Brown/Gre	y, Simila	r as a	above (moist, stiff)			12
5													
6	4	6.0	8.0	SS/18	7-6-5-8		Brown SIL	T, little C	CLA	Y (moist, stiff)			11
7													
0	-	0.0	10.0	00/10	5005		C CILT		A 3.7	('. 4 4:00			1.6
8	5	8.0	10.0	SS/12	5-8-8-5		Grey SIL1	, trace CL	LA Y	(moist, very stiff)			16
9													
9													
10													
10													
11													
12													· [
13	6	13.0	15.0	SS/7	WH-2-6-3		Grey SILT	and cmf	SAN	ID, trace mf GRAV	EL, trace CLAY	(wet,	8
							stiff)						
14													
15		l	l				Augers har	-	-	@ 15.2'			
	7	15.9	15.9	SS/0	50@0"		Auger Refu						50+
16							Bottom of	Boring @) 15.	9'			
1.7													
17													
18													
10													
19													
		i		i		i	1						

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod Remarks:

Attacrim	ent to C	IVIE RE	роп и	umber.	28062B-04-0724					est Boring Logs	- Page	110 01 201
				6035 C	orporate Drive	SI	IRSURF	ACE EX	KPLORATION	Boring No.	B-	-602
		IV		East Sy	racuse, NY 13057					Page No.	1	of 2
	Asso	ociates	s, Inc.	Phone:	315-701-0522		TEST	BOKI	NG LOG	Project No.	28	3062
Project					New York					Date Started	05/	01/24
Client:		Rambo	oll							Date Finished		01/24
Location	n:			on Locati	ion Plan					Surface Elev.		84.9'
Location	•				INVESTIGATIO)N			GROUNDWATER			31.9
Driller:			letcher		Casing:	3 ¼" ID	HSA		GROCIAD WITTEL		10115	
Driller:			Casatelli		Casing Hammer:	3 /4 ID	11.5.71.	Date	Time	Depth (Ft.)	Casing	g At (Ft.)
Inspecto	ır.	Teyun	Jusuten		Other:	NQ-Cor	re	05/01/24	While Drilling	4.9	1	8.5
Drill Ri		CME 5	55		Soil Sampler:	-	Split Barrel		Before Casing Removed			1.8
Type:	5 •	ATV	, ,		Hammer Wt:	140 lbs.	-	05/01/24		3.2 *		out
Rod Size	۵•	AWJ			Hammer Fall:	30 in.		05/01/24		caved @ 17.0	-	out
Kou Siz			P∩D	NC S	AMPLES	30 III.	VI		LASSIFICATION (_		out
	LO	T .		ING SE	AMITLES		V 1)	SUAL C	LASSIFICATION	JF WIATEKIA	L	
Depth		_	Depth	Type /	Blows on	Depth of		coarse				SPT "N"
Scale	Sample		t.)	Sample	Sampler	Change		medium		0% / some - 20 to 35		or
(Feet)	No.	From	To	Rec. (in.)	Per 6 Inches	(Ft.)		- fine		20% / trace - 0 to 10	%	RQD %
0	1A	0.0	1.0	SS/17	1-1-8-9	1.0	I opsoil an	a Organic	Material (moist)			9
	1.0	1.0	2.0			1.0	D GI		CCAND : C C	DANEL (4:00	.
1	1B	1.0	2.0				Brown SIL	1, trace c	emf SAND, trace fine G	KAVEL (moist,	stiff)	
2	2	2.0	4.0	SS/18	10-12-13-16		Brown/Gre	ey SILT, t	race fine SAND, trace (CLAY (wet, very	stiff)	25
3												
4	3	4.0	6.0	SS/19	8-9-6-7		Brown SIL	T, trace C	CLAY (wet, very stiff)			15
5												
6	4	6.0	8.0	SS/19	7-8-6-6		Danston CII	т 1:441 с £	ine SAND, trace CLAY	(wat stiff)		14
	4	0.0	0.0	33/19	7-8-0-0		BIOWII SIL	i, mue n	me SAND, trace CLAT	(wet, still)		14
7												
8	5	8.0	10.0	SS/14	3-4-4-4		Grey SILT	, trace fin	e SAND, trace CLAY (wet, stiff)		8
9												
10												
11												
12												
13												
14	6	13.5	15.0	SS/15	2-4-4		Grey SILT	, trace CL	AY (wet, stiff)			8
15												
16												
17						 -	 					
18	7	18.5	20.0	SS/15	14-13-10		Grey high!	v weather	ed ROCK Fragments (S	Shale) little SII T	Γ littla	23
19	,	10.3	20.0	00/13	14-13-10		cmf SAND		ou NOON Fragments (S	maicj, iiwe sil i	, mue	23

20 Continued on Page 2
SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks: *Water added to boring for coring.

6035 Corporate Drive East Syracuse, NY 13057

SUBSURFACE EXPLORATION **TEST BORING LOG**

Boring No. **B-602** Page No. 2 of 2 Project No. 28062

	Associates, Inc. Phone: 315-701-0522						TEST BORENG		Project No.	28062
	LOG OF BORING SAMPLES						VISUAL CLAS	SIFICATION C	OF MATERIAL	
Depth Scale (Feet)	Sample No.	_	Depth t.)	Type / Sample Rec. (in.)	Blows on Sampler Per 6 Inches	Depth of Change (Ft.)	c - coarse m - medium f - fine		0% / some - 20 to 35% 20% / trace - 0 to 10%	SPT "N" or RQD %
20 21 22 23	R-1	21.8	26.8	C/60	NQ-Core		Split Spoon and Auger Regrey DOLOSTONE with thick), moderately weather medium hard to hard.	interbedded SHAI red, thinly laminat	LE layers (<1/8" - 3.0" ed to thinly bedded,	22%
24 25 26							Weathered, broken and fr. 24.3'-24.6' and 26.4'-26.8 SILT seam with weathered Weathered zones @ 22.0'-Recovery: 60"/60" = 100' 22 Pieces, 16" Chips and 1:00 min/ft, no water loss	'. d ROCK Fragment -22.2', 23.2', and 2 % RQD: 13"/60" Fragments	ts @ 25.8'-26.0'. 26.5'-26.6'. 1' = 22%	
272829	R-2	26.8	31.8	C/57	NQ-Core		Coring conducted in 4th g Grey DOLOSTONE with thick), slightly to moderat bedded, medium hard to l Broken and fractured zone	interbedded SHAI ely weathered, thir hard. es @ 27.0'-27.1', 2	LE layers (<1/8" - 2.0" nly laminated to thinly	28%
30 31 32							28.4'-28.5', 28.8'-29.0', an SILT seam with weathered Recovery: 57"/60" = 95% 11 Pieces, 15" Chips and 1:15 min/ft, no water loss Coring conducted in 4th g	d ROCK Fragment RQD: 17"/60" = Fragments	= 28%	
33 34							Bottom of Boring @ 31.8		o por down pressure.	
35 36										
37 38										
39										
41 42										
43 44										
45										

Attachm	ent to C	ME Re	eport N	umber:	28062B-04-0724						Test Boring Logs	- Page 1	18 of 201
					orporate Drive	GI	IDCLIDE	A CE EX	ZDI C		Boring No.		604
		IV	E		racuse, NY 13057	St				DRATION	Page No.		of 2
	Asso	ciates	s, Inc.	-	315-701-0522		TEST	BORI	NG I	LOG	Project No.		062
Project 1	Name:	Micror	ı Camp		New York						Date Started		19/24
Client:		Rambo		,,,	71.0 1911						Date Finished		19/24
Location	1:			on Locat	ion Plan						Surface Elev.		1.4'
2000000					INVESTIGATIO	N			GR	OUNDWATE	R OBSERVAT		
Driller:			letcher		Casing:	3 ¼" ID	H.S.A.						
Driller:			Casatell		Casing Hammer:			Date		Time	Depth (Ft.)	Casing	At (Ft.)
Inspecto	r:	Chris (Other:	NQ-Cor	e	04/19/24	,	While Drilling	None Noted	1	5.0
Drill Rig		CME 5	55		Soil Sampler:		plit Barrel	04/19/24		e Casing Remove	l None Noted	2	5.0
Type:		ATV			Hammer Wt:	140 lbs.	-	04/19/24	After	r Casing Removed	4.0 *	(out
Rod Size	e:	AWJ			Hammer Fall:	30 in.		04/19/24	After	r Casing Removed	caved @ 20.6	(out
	LO	G OF	BOR	ING S	AMPLES		VI	SUAL C	LASS	SIFICATION	OF MATERIA	L	
Depth		Sample	e Depth		Blows on	Ī	C.	coarse					SPT "N"
Scale	Sample	_	t.)	Type / Sample	Sampler	Depth of Change		medium		and - 35 to 3	50% / some - 20 to 35°	%	or
(Feet)	No.	From	To	Rec. (in.)	Per 6 Inches	(Ft.)		- fine			20% / trace - 0 to 109		RQD %
0	1A	0.0	0.5	SS/12	1-1-2-4		Topsoil an	d Organic	Mate	rial (moist)			3
	1B	0.5	2.0			ļ	Brown SIL	T, trace C	CLAY,	, trace ORGANI	C MATERIAL (n	noist,	
1							soft)						
2	2	2.0	4.0	SS/15	4-6-5-6		Brown SIL	T, trace C	CLAY	(moist, stiff)			11
3													
4	3	4.0	6.0	SS/24	3-4-3-6		Brown SIL	T, little C	LAY,	trace fine SANI	O (moist, medium	stiff)	7
5													
		6.0	0.0	00/14	4.5.6.0		D 011	TT	NT 4 T 7	(1.1
6	4	6.0	8.0	SS/14	4-5-6-8		Brown SIL	I, trace C	CLAY	(moist, stiff)			11
7													
8	5	8.0	10.0	SS/13	5-6-6-7		Similar as	obovo (w	st atif	6			12
8	3	0.0	10.0	33/13	3-0-0-7		Sillillai as	above (we	ει, SιIII	1)			12
9													
10													
10													
11													
1.0													
12													
13													
13	6	13.5	15.0	SS/11	4-4-4		Similar as	obovo (w	st atif	6			8
14	O	13.3	13.0	33/11	4-4-4		Silliliai as	above (we	ار, Siiii	1)			0
14													
15													
1.5													
16													
10													
17													
18						T							
	7A	18.5	19.6	SS/16	1-2-5		Grey CLA	Y, little m	of GRA	AVEL, little SIL	Γ, trace cmf SAN	D	7
10		Ī		Ī	I	I	(wat madi	4:00					1

Grey SILT and CLAY, trace cmf SAND (wet, medium stiff)

(wet, medium stiff)

Continued on Page 2

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks: *Water added to boring for coring.

19.6 20.0

7B

19

CVE 60
Associates, Inc. p

6035 Corporate Drive East Syracuse, NY 13057 Phone: 315-701-0522

SUBSURFACE EXPLORATION TEST BORING LOG

Boring No. B-604

Page No. 2 of 2

Project No. 28062

	Associates, Inc. Phone: 315-701-0522						LEST BUKING	LUG	Project No.	280)62
	LO	G OF	BOR	ING SA	MPLES		VISUAL CLAS	SIFICATION (OF MATERIAL	ı	
Depth Scale (Feet)	Sample No.		e Depth Ft.)	Type / Sample Rec. (in.)	Blows on Sampler Per 6 Inches	Depth of Change (Ft.)	c - coarse m - medium f - fine		0% / some - 20 to 35% 20% / trace - 0 to 10%		SPT "N" or RQD %
2021							Continued from Page 1				
22 23											
24	8	23.5	24.3	SS/9	5-50@3"		Grey/Black cmf GRAVEI SAND (wet, very compac	t)	tle SILT, trace cmi	f	50+
2526	R-1	25.0	30.0	C/60	NQ-Core		Split Spoon and Auger Refusal @ 25.0' Grey DOLOSTONE with interbedded SHALE layers (<1/8" - 3.0" thick), slightly weathered, thinly laminated to thinly bedded, mediur hard to hard. Recovery: 60"/60" = 100%				
2728							Recovery: 60"/60" = 100% RQD: 59"/60" = 98% 17 Pieces, 0" Chips and Fragments 1.0 - 1.25 min/ft, no water loss				
29	R-2	30.0	35.0	C/60	NQ-Core		Grey DOLOSTONE with		[F lavers (<1/8" -	1.0"	63%
31	10.2	30.0	33.0	C/00	The colo		thick), slightly weathered, hard to hard. Broken and Horizontal fractures with	thinly laminated t fractured zone wit	to thinly bedded, m	nedium 25.3'.	0370
32 33							34.5' and 34.7'. Recovery: 60"/60" = 100' RQD: 38"/60" = 63%	2%		,	
34							23 Pieces, 1" Chips and F 1.0 - 1.5 min/ft, no water i	loss			
35 36							Bottom of Boring @ 35.0				
37											
38 39											
40											
42											
43 44											
45	-										

Test Boring Logs - Page 120 of 201

-						T				i	D . 37	T.	(05
			F		orporate Drive	SU	JBSURFA	ACE EX	PLO	ORATION	Boring No.		-605
		veis:	, le-	•	racuse, NY 13057	1		Γ BORIN			Page No.		of 2
		ociates		I momer :	315-701-0522	<u></u>	1101		.,••		Project No.		3062
Project 1	Name:			us, Clay,	New York						Date Started		03/24
Client:		Rambo									Date Finished		03/24
Location	n:			on Locati							Surface Elev.		90.2'
L		ME	THO	DS OF	INVESTIGATIO				GR	ROUNDWATER	OBSERVAT	IONS	
Driller:		H. Lyo			Casing:	3 ¼" ID	H.S.A.	Dota	1	Time	Denth (E4)	Coni	At (E4)
Driller:		K. Crai	ndall		Casing Hammer:		i	Date	1		Depth (Ft.)		g At (Ft.)
Inspecto	or:	C. O'H			Other:		i	05/03/24		While Drilling	2.8	{	8.0
Drill Rig	g:	CME 4			Soil Sampler:		Split Barrel	05/03/24	Befor	ore Casing Removed	9.6		20.2
Type:		ATV			Hammer Wt:	140 lbs.	_	05/03/24		er Casing Removed	7.3		out
Rod Size		AWJ	_		Hammer Fall:	30 in.	_	05/03/24		er Casing Removed	caved @ 4.0	-	out
			BOR		AMPLES	T	VI			SSIFICATION O	_		
ъ .		ī				†			- 10				CDT
Depth Scale	Som 1	Sample (F	e Depth	Type /	Blows on	Depth of		- coarse	ì	and 25	0/0 / coma 20 · ca	3/6	SPT "N"
Scale (Feet)	Sample No.	From	To	Sample Rec. (in.)	Sampler Per 6 Inches	Change (Ft.)		medium f - fine	ì		0% / some - 20 to 359 20% / trace - 0 to 109		or RQD %
(Feet)	No.	0.0	0.5	Rec. (in.)	Per 6 Inches WH-WH-1-2	(rt.)			Mot	erial (moist)	uace - 0 to 10°	, u	תעט % 1
	1A 1B	0.0	2.0	14/دد	vv 11- vv H-1-2	}				erial (moist)	(moist coff)		1
1	IR	0.5	∠.∪	[\ \ \ \ \ \ \		1	וסאט SIL	.1, trace C	∠LAY	, nace line SAND	(moist, soft)		
1	1	[ļ	[\ \ \ \ \		1							
	1 _ 1	2.5		00.5	2.12-		 D	~=		a CI ATT			_
2	2	2.0	4.0	SS/18	2-4-3-3	1	Brown/Ora	ange SILT	, trac	ce CLAY (moist, mo	eatum stiff)		7
1	([1	[\ \ \ \ \									
3	1	[ļ	[\ \ \ \ \		1							
1	1	[ļ	[\ \ \ \ \		1							
4	3	4.0	6.0	SS/18	5-7-7-8	1	Brown SIL	T, trace C	LAY	Y (wet, stiff)			14
	1	[ļ	[1		-	_	,			
5	1 1	[ļ	[\ \ \ \ \		1							
1	1	[ļ	[\ \ \ \ \		1							
6	4	6.0	8.0	SS/16	7-8-8-8	1	Similar as a	above (we	t, ver	ry stiff)			16
	()	7.0	2.0	_,10	. 5 5 5	1	as	(wc	, , ••1	-/			1.0
7	([1	[\ \ \ \ \									
'	([1	[\ \ \ \ \									
8	5	8.0	10.0	SS/17	6-8-7-10	1	Brown /C	v Cimil	. ge . 1	hove (wet	ት		15
8)	0.0	10.0	აა/17	0-0-7-10	1	own/Gre	oy, similai	as at	bove (wet, very stif	111		13
	1	[ļ	[\ \ \ \ \		1							
9	1	[ļ	[\ \ \ \ \		1							
	ļ ,	[ļ	[1							
10	1	[ļ	[\ \ \ \ \		1							
1	([1	[\ \ \ \ \									
11	1	[\ \	ļ	[\ \ \ \ \ \ \		1							
1	1	[\ \	ļ	[\ \ \ \ \ \ \		1							
12	1	[\ \	ļ	[\ \ \ \ \ \ \		1							
1	1	[\ \	ļ	[\ \ \ \ \ \ \		1							
13	6A	13.0	13.6	SS/11	5-7-8-7		Similar as a	above (mo	oist. v	'ery stiff)			15
-	6B	13.6	15.0			t				mf GRAVEL, trace	SILT (wet_med	lium	
14	ا		10.0	[\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		1	compact)	، عن عن عن	01	, uace	(, mec		
'7	1	[\ \	ļ	[\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		1	- Jimpact)						
15	† 1	[ļ	[1							
13	([ļ	[1							
16	([ļ	[1	Δμαστ	wells 1	nr:	a @ 16 2'			
16	1	[ļ	[\ \ \ \ \		1	Augers gra	ivelly begi	ınını	g w 10.3			
	1	[ļ	[\ \ \ \ \		1							
17	1	[ļ	[\ \ \ \ \		1							
	(1.45-		0.00	GTT = :		
18	7	18.0	19.2	SS/12	11-28-50@2"			SAND, soi	me cn	mf GRAVEL, little	SILT (wet, very	I	50+
	([\ \	1	[\ \ \ \ \			compact)				-		
19	1	[\ \	ļ	[\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		1							
	([\ \	ļ	[\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		1							
20	Ι,	, I	ļ	[Continued	on Page 2					

20 | Continued on Page 2 SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Attachment to CME Report Number: 28062B-04-0724

Test Boring Logs - Page 121 of 201

6035 Corporate Drive
East Syracuse, NY 13057
Phone: 315-701-0522

SUBSURFACE EXPLORATION
TEST BORING LOG

 Boring No.
 B-605

 Page No.
 2 of 2

 Project No.
 28062

	Ass	ociate	s, Inc.	Phone:	315-701-0522		TEST BORING L	.OG	Project No.	28062
					AMPLES	†	VISUAL CLASS	SIFICATION C		
Depth		т —	e Depth		Blows on		c - coarse			SPT "N"
Scale	Sample	(F	řt.)	Type / Sample	Sampler	Depth of Change	m - medium		% / some - 20 to 35%	or
(Feet)	No.	From	To	Rec. (in.)	Per 6 Inches	(Ft.)	f - fine		0% / trace - 0 to 10%	RQD %
20	0	20.2	20.2	00/2	50 O 2"		Continued from Page 1			
21	8	20.2	20.2	SS/2	50@2"		Black SHALE Fragments Split Spoon and Auger Ref.	usal @ 20 2'		
21							Bottom of Boring @ 20.2'	usui @ 20.2		
22										
23										
24										
25										
26										
26										
27										
28										
29										
30										
31										
31										
32										
33										
34										
35										
26										
36										
37										
38										
39										
40										
A 1										
41										
42										
43										
44										
44										
45	1									

Attachm	ent to C	INE KE	port in	umber: 2	28062B-04-0724					lest Boring Logs	- Page 1	122 Of 201
				6035 Co	orporate Drive	CI	IIBCIIDE	ACE EX	KPLORATION	Boring No.	B-	606
					racuse, NY 13057	50				Page No.	1	of 2
	Ass	ociate	s, Inc.	Phone:	315-701-0522		TEST	r BORI	NG LOG	Project No.		062
Project					New York					Date Started		02/24
Client:	rame:	Rambo		us, Ciay,	TYCW TOLK					Date Started Date Finished		02/24
					7.1							
Location	n:			on Locati		N T		ı	CD CHNIDWY ED	Surface Elev.		3.2'
				DS OF	INVESTIGATIO				GROUNDWATEI	R OBSERVAT	TONS	
Driller:		H. Lyc			Casing:	3 ¼" ID	H.S.A.	Date	Time	Depth (Ft.)	Casino	At (Ft.)
Driller:		K. Cra			Casing Hammer:							
Inspecto	r:	C. O'H	ara		Other:			05/02/24	While Drilling	10.8	1.	3.0
Drill Ri	g:	CME 4	15		Soil Sampler:	2" OD S	Split Barrel	05/02/24	Before Casing Removed	7.2	2	1.5
Type:		ATV			Hammer Wt:	140 lbs.		05/02/24	After Casing Removed	3.8	C	out
Rod Siz	e:	AWJ			Hammer Fall:	30 in.		05/02/24	After Casing Removed	caved @ 5.1	C	out
	LO	G OF	BOR	ING SA	AMPLES		VI	SUAL C	LASSIFICATION (L	
		T			I							
Depth	a 1	_	e Depth	Type /	Blows on	Depth of		- coarse	1.05.5	00//	0./	SPT "N"
Scale	Sample		t.)	Sample	Sampler	Change		medium		0% / some - 20 to 35		or
(Feet)	No.	From	To	Rec. (in.)	Per 6 Inches	(Ft.)				20% / trace - 0 to 10	70	RQD %
0	1A	0.0	0.4	SS/12	1-WH-3-4	ļ			Material (moist)			3
	1B	0.4	2.0				Brown/Gre	ey mottled	SILT, little CLAY (mo	oist, soft)		
1												
2	2	2.0	4.0	SS/14	3-3-3-2		Brown/Gre	ey mottled	I SILT, trace CLAY (we	et, medium stiff)		6
3												
4	3	4.0	6.0	SS/13	3-3-4-8		Brown SIL	T, trace C	CLAY (wet, medium sti	ff)		7
								,	,	,		
5												
6	4	6.0	8.0	SS/20	8-9-9-11		Similar as	ahove (we	et, very stiff)			18
	7	0.0	0.0	55/20	0-7-7-11		Sillinai as	above (we	ct, very stirry			10
7												
7												
	_	0.0	10.0	GG /2.4	10 10 16 16		G: '1	1 (20
8	5	8.0	10.0	SS/24	10-12-16-16		Similar as	above (we	et, very stiff)			28
9												
10												
11							Augers eas	sier begini	ning @ 11.0'			
									inning @ 11.5'			
12						1			0			
12												
13	6	13.0	15.0	SS/14	1-3-4-4		Similar	ahova (m	et, medium stiff)			7
13	U	13.0	13.0	33/14	1-3-4-4		Similar as	above (We	o, meanin sim)			'
1.4												
14						1						
						1						
15												
16						L	<u> </u>			. 		
						[- -				 		
17												
18	7	18.0	20.0	SS/11	11-7-12-16		Grev cmf	GRAVEL.	and cmf SAND, trace S	SILT (wet. media	ım	19
	,	-0.0			,		compact)		2. 2. 2. 100 1	(, mean		-
19							(Compact)					
13												
			I			1						

20 Continued on Page 2
SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Attachment to CME Report Number: 28062B-04-0724

Test Boring Logs - Page 123 of 201

6035 Corporate Drive
East Syracuse, NY 13057
Phone: 315-701-0522

SUBSURFACE EXPLORATION
TEST BORING LOG

 Boring No.
 B-606

 Page No.
 2 of 2

 Project No.
 28062

Associates, Inc. VISUAL CLASSIFICATION OF MATERIAL LOG OF BORING SAMPLES Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35% Sample Change From То Per 6 Inches f - fine little - 10 to 20% / trace - 0 to 10% RQD % (Feet) No. (Ft.) Rec. (in.) Continued from Page 1 20 Augers harder beginning @ 20.5' 21 8 21.5 21.5 SS/0 50@0" Split Spoon and Auger Refusal @ 21.5' Bottom of Boring @ 21.5' 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44

Test Boring Logs - Page 124 of 201

Attachm	ent to C	MÉ Re	port N	umber: :	28062B-04-0724				<u>T</u>	est Boring Logs	- Page	124 of 201
				6035 C	orporate Drive	SI	JBSURF	ACE EX	KPLORATION	Boring No.		607
		V	Ę	East Sy	racuse, NY 13057	"			NG LOG	Page No.	1	of 2
	Ass	ociates	s, Inc.	Phone:	315-701-0522	L	IESI	DUKI	NG LUG	Project No.	28	3062
Project	Name:	Micron	ı Camp	us, Clay,	New York					Date Started	04/	18/24
Client:		Rambo	oll							Date Finished	04/	18/24
Location	1:	See Ex	ploration	on Locati	on Plan					Surface Elev.	39	93.9'
					INVESTIGATIO	N			GROUNDWATER			
Driller:		Gary R	Cichards	S	Casing:	3 ¼" ID	H.S.A.					
Driller:		Chris (Casing Hammer:			Date	Time	Depth (Ft.)	Casing	At (Ft.)
Inspecto	r:				Other:			04/18/24	While Drilling	None Noted	1	5.0
Drill Ri		CME 5	55		Soil Sampler:	2" OD S	Split Barrel	04/18/24	U	None Noted	2	2.0
Type:	-	ATV			Hammer Wt:	140 lbs.	-	04/18/24		None Noted		out
Rod Size	e:	AWJ			Hammer Fall:	30 in.		04/18/24		caved @ 5.0		out
			BOR	ING SA	AMPLES	1	VI		LASSIFICATION (-		
		1								, iviii Eitii		
Depth	G 1	_	e Depth (t.)	Type /	Blows on	Depth of		- coarse	1 25 : 50	w/ / 20 · 27	0./	SPT "N"
Scale (Feet)	Sample	From	To	Sample	Sampler Per 6 Inches	Change		medium - fine		0% / some - 20 to 350 0% / trace - 0 to 100		or POD %
(Feet)	No.	0.0	0.5	Rec. (in.) SS/16	1-1-2-3	(Ft.)			Material (moist)	.070 / Hace - U to 10°	/ 0	RQD %
U	1A 1B	0.0	2.0	33/10	1-1-2-3	 			CLAY, trace ORGANIC	MATERIAL (~	noist	3
1	ID	0.5	2.0				soft)	11, uace C	LAI, HALE ONUANIC	WIATEMAL (II	10181,	
1							5011)					
2	2	2.0	4.0	SS/20	4-4-4		Brown CII	T 1;441 ~ C	CLAY (moist, stiff)			8
		2.0	4.0	33/20	'+-'+-'+		DIOWII SIL	, i , ii ii e C	LAT (IIIOISI, SIIII)			0
2												
3												
	3	4.0	6.0	SS/21	1576		Droum CII	T trace	OI AV (moist stiff)			12
4	5	4.0	0.0	35/21	4-5-7-6		Brown SIL	1, trace C	CLAY (moist, stiff)			1.2
5												
6	4	6.0	8.0	SS/11	6-5-12-11		Droum CII	T trace	TAV (moist vom stiff)			17
6	4	0.0	0.0	33/11	0-3-12-11		DIOMII 21L	1, trace C	CLAY (moist, very stiff)			1 /
7												
7												
O	_	0.0	10.0	00/00	0.5.5.5		Cim-:1-	a h a (aist stiff			1.0
8	5	8.0	10.0	SS/23	9-5-5-5		Similar as	above (mo	oist, stiii)			10
0												
9												
1.0												
10												
11												
11												
10												
12												
1.0												
13	_	1.5 -		a~::-			a					_
	6	13.5	15.0	SS/17	3-3-4		Similar as	above (we	et, medium stiff)			7
14												
15												
16												
17												
18												
	7A	18.5	18.7	SS/13	7-7-13	L			CLAY (wet, very stiff)			20
19	7B	18.7	20.0			[ND and cmf GRAVEL,	trace SILT (wet)		

20 Continued on Page 2
SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

6035 Corporate Drive East Syracuse, NY 13057 Associates, Inc. Phone: 315-701-0522

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-607

 Page No.
 2 of 2

 Project No.
 28062

- N	Associates, Inc. Phone: 315-701-0522						TEST BURING I	LOG	Project No.	280	062
					AMPLES		VISUAL CLAS	SIFICATION (OF MATERIAL		
Dep Sca (Fe	oth ale Sampl	Sampl	e Depth Ft.)	Type / . Sample . Rec. (in.)	Blows on Sampler Per 6 Inches	Depth of Change (Ft.)	c - coarse m - medium f - fine	and - 35 to 50	0% / some - 20 to 35% 20% / trace - 0 to 10%		SPT "N" or RQD %
20		110111	10	rcc. (III.)	1 of 6 mones	(111.)	Continued from Page 1	ntile - 10 to 2	20707 11400 - 0 10 1070		r√n \0
2											
22	2 8	22.0	22.0	SS/0	50@0"		Black ROCK Fragments (ABOUTTON BOTTOM BOTTOM (ABOUTTON BOTTOM (ABOUTTON BOTTOM	Shale) in tip of Sp	lit Spoon		50+
2.							Bottom of Boring & 22.0				
24											
2:											
20											
23											
29	9										
30	0										
3	1										
32	2										
3.											
3:											
3.											
3'											
38	8										
39	9										
40	0										
4											
42											
4.											
4:											

Attachm	ent to C	ME Re	port N	umber:	28062B-04-0724					est Boring Logs	- Page 1	126 of 201
				6035 C	orporate Drive	SI	IRSIIRE.	ACE EX	KPLORATION	Boring No.	B-	608
		IV		East Sy	racuse, NY 13057					Page No.	1	of 2
	Asso	ociate	s, Inc.	Phone:	315-701-0522		IESI	BUKI	NG LOG	Project No.	28	3062
Project	Name:	Micron	n Camp	us, Clay,	New York					Date Started	05/	03/24
Client:		Rambo	oll							Date Finished	05/	03/24
Location	n:	See Ex	ploration	on Locati	ion Plan					Surface Elev.	38	37.7'
					INVESTIGATIO	N			GROUNDWATER	OBSERVAT	IONS	
Driller:		H. Lyc	n		Casing:	3 ¼" ID	H.S.A.	Data	T:	Danish (E4.)	Casina	A4 (E4)
Driller:		K. Cra	ndall		Casing Hammer:			Date	Time	Depth (Ft.)	Casing	At (Ft.)
Inspecto	or:	C. O'H	ara		Other:			05/03/24	While Drilling	3.5	8	3.0
Drill Ri	g:	CME 4	15		Soil Sampler:	2" OD S	Split Barrel	05/03/24	Before Casing Removed	5.3	2	2.4
Type:		ATV			Hammer Wt:	140 lbs.		05/03/24	After Casing Removed	8.0	(out
Rod Siz	e:	AWJ			Hammer Fall:	30 in.		05/03/24	After Casing Removed	caved @ 12.0	(out
	LO	G OF	BOR	ING SA	AMPLES		VI	SUAL C	LASSIFICATION (OF MATERIA	L	
Depth		Sample	Depth	T /	Blows on	D 1 6	c.	coarse				SPT "N"
Scale	Sample	_	t.)	Type / Sample	Sampler	Depth of Change		medium	and - 35 to 50	0% / some - 20 to 35	%	or
(Feet)	No.	From	To	Rec. (in.)	Per 6 Inches	(Ft.)		- fine		20% / trace - 0 to 10°		RQD %
0	1A	0.0	0.5	SS/12	WR-1-1-3	[Material (moist)			2
	1B	0.5	2.0				Brown SII	T, trace f	ine SAND, trace CLAY	(moist, soft)		
1												
2	2	2.0	4.0	SS/14	4-3-4-5		Brown/Gre	y mottled	SILT, trace CLAY (mo	oist, medium stif	f)	7
3												
4	3	4.0	6.0	SS/17	3-7-7-8		Similar as	above (mo	oist, stiff)			14
	ļ											
5												
	4	(0	0.0	GG/24	((0 11		D CH	т	NT ANT (' 4 4'00			1.4
6	4	6.0	8.0	SS/24	6-6-8-11		Brown SIL	1, trace C	CLAY (moist, stiff)			14
7												
7												
8	5	8.0	10.0	SS/19	11-9-6-7		Cimilan as	ala arva (ma	niat rooms atiff			15
0	3	0.0	10.0	33/19	11-9-0-7		Sillillar as	above (III	oist, very stiff)			13
9												
9												
10	·											
10												
11												
''												
12												
13	6	13.0	15.0	SS/15	1-3-3-4		Grev, Simi	lar as abo	ve (wet, medium stiff)			6
							,,, 21111		(,)			
14												
15												
16												
						[T —					
17												
18	7	18.0	20.0	SS/11	2-2-8-8			SAND and	l mf GRAVEL, little SI	LT (wet, mediun	1	10
							compact)					
10		1		I	1	1	1					i .

20 Continued on Page 2
SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod
Remarks:

19

Attachment to CME Report Number: 28062B-04-0724

Test Boring Logs - Page 127 of 201

6035 Corporate Drive
East Syracuse, NY 13057
Phone: 315-701-0522

SUBSURFACE EXPLORATION
TEST BORING LOG

 Boring No.
 B-608

 Page No.
 2 of 2

 Project No.
 28062

Associates, Inc. Phone: 315-701-0522					315-701-0522		TEST BURING I	LUG	Project No.	28	062
					AMPLES		VISUAL CLAS	SIFICATION (OF MATERIAL		
Depth		Sample	e Depth	Type /	Blows on	Depth of	c - coarse				SPT "N"
Scale	Sample	(F	t.)	Sample	Sampler	Change	m - medium		0% / some - 20 to 35%		or
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)	f - fine Continued from Page 1	little - 10 to 2	20% / trace - 0 to 10%		RQD %
							Augers gravelly beginning	g @ 20.2'			
21									21.01		
22	8	22.4	22.4	SS/0	50@0"		Augers possibly on top of Split Spoon and Auger Re		9 21.9'		50+
			22.7	55/0	2000		Bottom of Boring @ 22.4'	wout & 22.7			301
23											
24											
	1										
25											
26											
27											
27											
28											
29											
30											
31											
22											
32											
33											
34											
]										
35											
36											
37											
38											
39											
40											
41											
42											
43											
44											
45	1										

Attachm	ent to C	ME Re	port N	umber: 2	28062B-04-0724					Test Boring Lo	gs - Page	128 of 201
				6035 Co	orporate Drive	SI	IBSURF	CE EX	KPLORATION	Boring No	o. B	-609
		IV		East Syr	racuse, NY 13057				NG LOG	Page N	o. 1	of 1
	Ass	ociate	s, Inc.	Phone: 3	315-701-0522		1691	DUKI	NG LUG	Project N	o. 2	8062
Project	Name:	Micron	1 Camp	us, <u>Cl</u> ay,	New York					Date Start		/01/24
Client:		Rambo	oll							Date Finish		/01/24
Location	n:			on Locati						Surface Ele		91.7'
		ME	THO	DS OF	INVESTIGATIO)N			GROUNDWAT	ER OBSERVA	TIONS	
Driller:		H. Lyc	n		Casing:	3 ¼" ID	H.S.A.	Date	Time	Depth (Ft.)	Cogin	g At (Ft.)
Driller:		K. Cra	ndall		Casing Hammer:					Depth (Ft.)	Casin	g At (Ft.)
Inspecto	or:	C. O'H	ara		Other:			05/01/24	While Drilling	7.8		10.0
Drill Ri	g:	CME 4	15		Soil Sampler:	2" OD S	Split Barrel	05/01/24	•			17.6
Type:		ATV			Hammer Wt:	140 lbs.		05/01/24	U			out
Rod Siz		AWJ			Hammer Fall:	30 in.		05/01/24	U			out
	LO	G OF	BOR	ING SA	AMPLES		VI	SUAL C	LASSIFICATION	OF MATER	IAL	
Depth		Sample	e Depth	Type /	Blows on	Depth of	c -	coarse				SPT "N"
Scale	Sample	(F	t.)	Sample	Sampler	Change	m -	medium	and - 35 t	50% / some - 20 to	35%	or
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)		- fine		to 20% / trace - 0 to	10%	RQD %
0	1A	0.0	0.5	SS/15	1-1-2-5	1			Material (moist)			3
	1B	0.5	2.0						CLAY, trace fine SA	ND, trace ORGA	NIC	
1							MATERIA	L (moist,	soft)			
_								_				
2	2	2.0	4.0	SS/13	7-6-7-6		Brown SIL	T, trace C	CLAY, trace fine SA	ND (moist, stiff)		13
_												
3												
				~~/44								
4	3	4.0	6.0	SS/11	4-4-5-5		Brown SIL	T, trace (CLAY (moist, stiff)			9
-												
5												
6	4	6.0	8.0	SS/13	4227		Dansam CII	T +mage	unef CAND two as fine	CDAVEL (west		4
6	4	0.0	8.0	33/13	4-2-2-7		stiff)	1, trace c	emf SAND, trace fine	GRAVEL (wei,	mearum	4
7							Sull)					
/						·	 -					-
8	5	8.0	10.0	SS/14	2-2-1-1		Brown emi	SAND 6	some mf GRAVEL, 1	ittle SILT trace (CLAV	3
0	3	0.0	10.0	33/14	2-2-1-1		(wet, very		some im GRAVEL, i	ittle SIL1, trace	CLAI	3
9							,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.0030)				
10	6	10.0	12.0	SS/14	15-28-38-42		Brown cm	GRAVE	L and cmf SAND, tra	ace SILT (moist.	verv	66
							compact)		,	(J	
11							1,					
12												
13												
14	7	14.0	15.2	SS/11	12-15-50@2"		Brown cm	SAND,	some mf GRAVEL, l	ittle SILT (moist	, very	50+
							compact)					
15												
						l	Augers har	der begin	ning @ 15.7'		. — — .	_
16												
17	_]			.					50+		
	8	17.6	18.5	SS/4	20-50@3"		Black ROCK Fragments (Shale)					
18							D : 2	D . ~	10.51			
10							Bottom of	Boring @				
19												
1	l	ı	I			1						

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

				6035 C	orporate Drive	SI	IBSURF.	ACE EX	PL	ORATION	Boring No.	B-	610
		V	Ę		racuse, NY 13057			Γ BORI			Page No.		of 1
		ociates	-5		315-701-0522	<u> </u>	169	L DUKI	10	LUU	Project No.		3062
Project	Name:			us, Clay,	New York						Date Started		01/24
Client:		Rambo									Date Finished		01/24
Locatio	n:		•	on Locati				ı			Surface Elev.		32.7'
				DS OF	INVESTIGATIO				GF	ROUNDWATER	OBSERVAT	IONS	
Driller:		H. Lyc			Casing:	3 ¼" ID	H.S.A.	Date		Time	Depth (Ft.)	Casing	At (Ft.)
Driller:		K. Cra			Casing Hammer:			05/01/24			• • •		
Inspect		C. O'H			Other:	211 OD (7 1'- D 1	05/01/24		While Drilling	8.8		3.0
Drill Ri	g:	CME 4	+3		Soil Sampler: Hammer Wt:	2" OD 8	Split Barrel	05/01/24 05/01/24		ore Casing Removed er Casing Removed	10.0		8.5
Type: Rod Siz	ω.	AWJ			Hammer Fall:	30 in.		05/01/24		er Casing Removed	caved @ 6.7		out out
Kou 512			R∩R	ING S	AMPLES	J0 III.	VI			SSIFICATION C	-		Jui
		T			I		<u> </u>	SUALC	LAS	I	T WATERIA	L	
Depth		_	e Depth (t.)	Type /	Blows on	Depth of		- coarse		1 25 . 50	0// 20/ 25	0./	SPT "N"
Scale (Feet)	Sample No.	From	To	Sample Rec. (in.)	Sampler Per 6 Inches	Change (Ft.)		medium - fine			% / some - 20 to 35 0% / trace - 0 to 109		or RQD %
0	1A	0.0	0.4	SS/16	1-WH-4-5	(14.)			Mate	rerial (moist)	0707 trace - 0 to 10.	70	4
	1B	0.4	2.0	55/10	1 111113	h				, trace fine SAND	(moist, medium	stiff)	•
1								,		,	,	,	
2	2	2.0	4.0	SS/12	4-6-7-7	Brown SILT, trace CLAY, trace mf SAN					moist, stiff)		13
3						Duran CH T to a surf CD AVEL to a surf CD AVE							
4	3	4.0	5.9	SS/13	3-4-3-50@5"				GRAVEL, trace	e CLAY	7		
						Brown SILT, trace cmf GRAVEL, trace cmf C (wet, medium stiff)							
5													
6	4	6.0	8.0	SS/11	4-8-8-8		Danaram CII	т 1:441 г.	ma C	DAVEL trace and	CAND (west wa	atiff	16
6	4	0.0	8.0	33/11	4-0-0-0		Brown SIL	zi, nuie n	ne G	RAVEL, trace cmf	SAND (wei, ve	ry suii)	10
7													
,													
8	5	8.0	10.0	SS/14	8-6-6-7		Brown SII	T. some o	mf S	SAND, trace fine Gl	RAVEL (wet, st	iff)	12
								,		,	(,)	
9							Augers like	e Cobble l	pegin	ning @ 9.0'			
							Ů		O	O			
10													
11						1							
						ļ	. - 						
12													
12	_	12.0	15.0	00/12	WD 5 C C	1	C	OD AMET		COANID 1'44	CHT (t	ı:	1.1
13	6	13.0	15.0	SS/12	WR-5-6-6			JKAVEL,	som	e cmf SAND, little	SIL1 (wet, med	ııum	11
14						1	compact)						
14													
15	1												
16						1							
17						1_	Augers like	e_Cobble l	egin.	ning @ 17.2'			
						[
18	7	18.0	18.2	SS/4	41-50@2"	1	_	ly weathe	red R	ROCK Fragments (S	Shale), little SIL	T	50+
							(moist)						
19	8	18.5	18.5		50@0"	Split Spoon and Aug Bottom of Boring @							50+
						1	Bottom of	Boring @	18.5	5'			
20	I	I	I		I	1	I						

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod Remarks:

Test Boring Logs - Page 130 of 201

Boring No. B-611

				6035 C	orporate Drive	SI	[JBSIJRF	ACE EX	KPLORATION	Boring No.	B-	611
		V	Ę	East Sy	racuse, NY 13057				NG LOG	Page No.		of 1
					315-701-0522		11591	DOM.		Project No.		3062
Project	Name:			us, Clay,	New York					Date Started		30/24
Client:		Rambo								Date Finished		30/24
Locatio	n:			on Locati						Surface Elev.		30.6'
					INVESTIGATIO				GROUNDWATE	R OBSERVAT	TONS	
Driller: Driller:			letcher Casatell		Casing: Casing Hammer:	3 ¼" ID	H.S.A.	Date	Time	Depth (Ft.)	Casing	g At (Ft.)
Inspect					Other:			04/30/24		6.7		3.0
Drill Ri	g:	CME 5	55		Soil Sampler:		Split Barrel		Before Casing Removed		1	8.8
Type:		ATV			Hammer Wt:	140 lbs.		04/30/24			(out
Rod Siz		AWJ			Hammer Fall:	30 in.		04/30/24	U			out
	LO	G OF	BOR	ING SA	AMPLES		VI	SUAL C	LASSIFICATION	OF MATERIA	<u>L</u>	ı
Depth		_	e Depth	Type /	Blows on	Depth of	c -	coarse				SPT "N"
Scale	Sample	<u> </u>	t.)	Sample	Sampler	Change		medium		0% / some - 20 to 35		or
(Feet)	No.	From	To	Rec. (in.)	Per 6 Inches	(Ft.)		- fine		20% / trace - 0 to 10°	%	RQD %
0	1A	0.0	1.0	SS/13	WH-1-3-4	 	Lopsoil an	d Organic	Material (moist, medi	um stift)		4
1	1B	1.0	2.0					•	ittle CLAY, trace ORG	ANIC MATERIA	AL (wet,	,
	_						medium sti	,				
2	2	2.0	4.0	SS/16	6-5-5-4		Brown/Gre	ey mottled	SILT, trace CLAY (m	oist, stiff)		10
3						Brown/Grey mottled SILT, trace CLAY (moist, stiff) Brown/Grey SILT, little cmf SAND, trace CLAY (wet, st						
4	3	4.0	6.0	SS/22	3-4-5-5	Brown/Grey SILT, little cmf SAND, trace CLAY)	9
5						Brown/Grey SILT, little cmf SAND, trace CLAY (we						
3												
6	4	6.0	8.0	SS/24	4-4-5-5		Brown SIL	T, trace C	CLAY (wet, stiff)			9
7												
0	_	0.0	10.0	00/10	2567		D#011 C11	Т 4 С	CLAV (wat -4:CC)			11
8	5	8.0	10.0	SS/18	3-5-6-7		Brown SIL	ı, trace C	CLAY (wet, stiff)			11
9												
10												
11												
12												
13	6	13.5	15.0	SS/6	8-16-8		Grey highl	y weather	ed ROCK Fragments (Shale) and SILT.	trace	24
14							cmf SAND	•	<i>6</i> (,,		
15	İ											
16												
17												
18												
18	7	18.5	18.8	SS/3	50@3"		Grev weath	nered ROG	CK Fragments (Shale)	and ROCK Flour		50+
19	,		10.0		30003		Split Spoor	ı and Aug	er Refusal @ 18.8'	ICOCIE I IOUI		301
20							Bottom of	Boring @	18.8'			
20		Ī		I		ı	1					

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Attachm	ent to C	ME Re	eport N	umber: :	28062B-04-0724					Т	est Boring Logs	- Page 1	31 of 20°
				6035 Co	orporate Drive	SI	IRSURF	ACE EX	XPI.C	ORATION	Boring No.	B-	612
		IV		East Sy	racuse, NY 13057			_	_		Page No.	1	of 2
	Asso	ciates	s, Inc.	Phone:	315-701-0522		IES.	Γ BORI	NGL	JUG	Project No.	28	062
Project	Name:	Micror	ı Camp	us, Clay,	New York						Date Started	04/	18/24
Client:		Rambo	oll								Date Finished	04/	19/24
Location	n:	See Ex	ploration	on Locati	on Plan						Surface Elev.	39	1.6'
		ME	ТНО	DS OF	INVESTIGATIO	N			GR	OUNDWATER	OBSERVAT	IONS	
Driller:		Al Lin			Casing:	3 ¼" ID	H.S.A.	Date		Time	Depth (Ft.)		At (Ft.)
Driller:		John V	Vinks		Casing Hammer:	NO G		0.4/1.0/2.4	,	TH '1 TO '11'	• ` ′	,	
Inspecto		CME	50W		Other:	NQ-Cor		04/18/24		While Drilling	13.0		3.5
Drill Ri	g:	CME 5)50X		Soil Sampler:		Split Barrel			e Casing Removed	13.5 *		3.6
Type:		ATV Hammer Wt: AWJ Hammer Fall:				140 lbs. 30 in.		04/19/24		Casing Removed	6.3 *		out
Roa Siz	d Size: AWJ Hammer Fall: LOG OF BORING SAMPLES						X 71	04/19/24		Casing Removed	caved @ 15.5		out
	LU	1		ING SA	AMPLES		<u> </u>	SUAL C	LASS	SIFICATION C	JF MIATERIA	L	T
Depth			e Depth	Type /	Blows on	Depth of	с	- coarse					SPT "N"
Scale	Sample	_ `	t.)	Sample	Sampler	Change		- medium			% / some - 20 to 35		or
(Feet)	No.	From	To	Rec. (in.)	Per 6 Inches	(Ft.)		f - fine	2~		0% / trace - 0 to 109		RQD %
0	1	0.0	2.0	SS/11	1-2-2-3					ND, trace ORGA	NIC MATERIA	.L	4
							(moist, me	edium stiff)				
1													
		2.0		00/15	2245		D /~			CT ATT			
2	2	2.0	4.0	SS/16	3-3-4-5		Brown/Gr	ey mottled	SILT	, trace CLAY (we	t, medium stiff)		7
3													
		4.0	6.0	99/10	2211					NID (_
4	3	4.0	6.0	SS/19	3-3-4-4	Brown SILT, trace fine SAND (wet, med					n stiff)		7
5													
6	4	6.0	8.0	SS/17	3-3-3-3	Similar as above (wet, medium stiff)							6

stiff)

compact)

compact)

Continued on Page 2

Brown SILT, some cmf GRAVEL, little cmf SAND (wet, medium

Brown/Grey cmf SAND, some cmf GRAVEL, little SILT (moist,

Grey cmf GRAVEL and cmf SAND, trace SILT (moist, very

Similar as above (moist, very compact)

48

50+

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks: *Water added to boring for coring.

19.4

18.5 19.0

19.0

8.0

10

11

12

13

14

15

16

17

18

19

6

7A

7B

10.0 SS/15

13.5 | 15.0 | SS/10

1-2-3-3

13-21-27

40-50@4"

CVE 6035
East
Associates, Inc. Phon

6035 Corporate Drive East Syracuse, NY 13057

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-612

 Page No.
 2 of 2

 Project No.
 28062

	Associates, Inc. Phone: 315-701-0522						TEST BURING	LUG	Project No.	28	062
	LO	G OF	BOR	ING SA	AMPLES		VISUAL CLAS	SIFICATION (OF MATERIAI	Ĺ	
Depth Scale (Feet)	Sample No.	Sample	Depth	Type / Sample Rec. (in.)	Blows on Sampler Per 6 Inches	Depth of Change (Ft.)	c - coarse m - medium f - fine		0% / some - 20 to 35% 20% / trace - 0 to 10%		SPT "N" or RQD %
20				()		()	Continued from Page 1		3 00 13/0		ξ= /*
21											
22											
23	8	23.5	23.6	SS/1	50@1"		Grey ROCK Fragments (I	Dolostone) (wet) A	Auger Refusal @ 2	23.6' -	50+
24	D 1	23.6	20.6	C/5.4	NO Com		Set up to Core Grey DOLOSTONE with	intonhaddad CIIA	I E lavage (<1/9"	1"	12%
25	R-1	23.0	28.6	C/54	NQ-Core		thick), moderately weather laminated to thinly bedded	red, medium hard		1"	12%
26							Broken and fractured zone Recovery: 54"/60" = 90%	e @ 24.1' - 27.4'. b RQD: 7"/60" =	12%		
27							5 Pieces, 31" Chips and Fi 55 sec/ft, no water loss	ragments			
28	R-2	28.6	33.6	C/60	NQ-Core		Coring conducted in 5th garage Grey DOLOSTONE with				55%
29							thick), slightly to moderate Weathered fracture zones	ely weathered, me	edium hard to hard		
30							31.3', 31.4', 31.9', 32.3'				
31							Recovery: 60"/60" = 100% 28 Pieces, 1" Chips and Fr 50 sec/ft, no water loss		= 33%		
32							Coring conducted in 5th g	ear, 2100 rpm, 70	00 psi down pressi	ure.	
33							D # CD : @ 22 (1				
34							Bottom of Boring @ 33.6				
35	1										
36											
37											
38											
39											
40											
41											
43											
44											
45	1										

Attachm	ent to C	INE RE	port N	umber: 2	28062B-04-0724						est Boring Logs	<u>- Page</u> 1	33 of 201
				6035 Co	orporate Drive	CI	IRCIIDE	ACE EX	ZDI	LORATION	Boring No.	B-	613
	L	IV		East Syr	racuse, NY 13057	50					Page No.		of 2
	Ass	ciates	s, Inc.	Phone:	315-701-0522		TEST	BORI	NG	i LOG	Project No.		062
Project					New York	1					Date Started		19/24
Client:		Rambo		. . ,							Date Finished		19/24
Location	1:	See Ex	ploratio	on Locati	on Plan						Surface Elev.	39	0.0'
					INVESTIGATIO	N			G	ROUNDWATER			
Driller:		Al Lins			Casing:	3 ¼" ID	H.S.A.	D.					A A OFFICE
Driller:		John W	Vinks		Casing Hammer:			Date		Time	Depth (Ft.)	Casing	At (Ft.)
Inspecto	r:				Other:			04/19/24		While Drilling	12.5	13	8.5
Drill Ri	g:	CME 5	550X		Soil Sampler:	2" OD S	Split Barrel	04/19/24	Be	fore Casing Removed	6.5	2	1.6
Type:		ATV			Hammer Wt:	140 lbs.		04/19/24	A	fter Casing Removed	4.5	0	out
Rod Size		AWJ			Hammer Fall:	30 in.		04/19/24	A	fter Casing Removed	caved @ 12.5	0	out
	LO	G OF	BOR	ING SA	AMPLES		VI	SUAL C	LA	SSIFICATION C	F MATERIA	L	
Depth		Sample	Depth	T. /	Blows on	D 4 6	c ·	- coarse					SPT "N"
Scale	Sample		t.)	Type / Sample	Sampler	Depth of Change		medium		and - 35 to 50	% / some - 20 to 359	%	or
(Feet)	No.	From	To	Rec. (in.)	Per 6 Inches	(Ft.)		- fine			0% / trace - 0 to 10%	⁄o	RQD %
0	1	0.0	2.0	SS/17	WH-1-3-5					LT, trace CLAY, trac	ce ORGANIC		4
							MATERIAL (moist, medium stiff)						
1													
2	2	2.0	4.0	SS/15	3-3-5-3		Brown/Gre	ey mottled	l SII	LT, trace CLAY (mo	ist, stiff)		8
3													
				~~/-				~~~		ar			_
4	3	4.0	6.0	SS/17	2-2-3-4		Brown/Gre	ey SILT, t	race	e CLAY (wet, mediu	m stiff)		5
5													
6	4	6.0	8.0	SS/19	3-3-3-5		Drove CII	T twosa (~T ∧	V (wat madium atic	£		6
6	4	0.0	0.0	33/19	3-3-3-3		DIOMII 211	.1, trace C	LΑ	Y (wet, medium stif	1)		6
7													
,													
8	5	8.0	10.0	SS/16	3-5-7-8		Similar as	above (w	et si	tiff)			12
	,	3.0	10.0	55/10	3 3 7-0			(W	رد, ن	,			12
9													
10													
11													
12													
13													
	6	13.5	15.0	SS/11	3-3-2		Similar as	above (we	et, n	nedium stiff)			5
14													
15						l							
									_	_		_ -	
16													
	7	16.5	16.8	SS/3	50@4"					e SILT, little cmf SA	ND (wet, very c	ompact)	50+
17							Augers like Boulder fro			n 16.5' to 18.0'			
1.0						ļ							
18	0.1	10-	10.	G G '-	2.6.5		Brown/Gray CLAV some SILT trace cmf SAN						1.0
10	8A	18.5	19.5	SS/7	3-6-6	ļ	Brown/Grey CLAY, some SILT, trace cmf SAND (wet, stiff)					<u>)</u>	12
19	0D	10.5	20.0				Grey mf GRAVEL, trace cmf SAND, trace SILT (wet, medium						
20	8B	19.5	20.0				Grey mf G	KAVEL,	ırac	e cmf SAND, trace S	*	um	

compact)

Continued on Page 2

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

6035 Corporate Drive
East Syracuse, NY 13057

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-613

 Page No.
 2 of 2

 Project No.
 28062

	Ass	ociate	s, Inc.	Phone:	315-701-0522		TEST BORING I	.OG ∤	Project No.	28062
					AMPLES		VISUAL CLASS	SIFICATION O		
Depth Scale	Sample	Sample (F	e Depth	Type / Sample	Blows on Sampler	Depth of Change	c - coarse m - medium	and - 35 to 50	% / some - 20 to 35%	SPT "N" or
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)	f - fine Continued from Page 1	little - 10 to 2	0% / trace - 0 to 10%	RQD %
21	9	21.0	21.4	SS/3	50@3"		Grey ROCK Fragments (D Auger Refusal @ 21.6'	olostone) (wet)		50+
22							Bottom of Boring @ 21.6'			
23										
24										
25										
26										
27										
28										
29										
30	1									
31										
32										
33										
34										
35	<u>.</u>									
36										
37										
38										
39										
40	1									
41										
42										
43										
44										
45	_									

Test Boring Logs - Page 135 of 201

				6035 Co	orporate Drive	SI	JBSHRF.	ACE EX	PL 4	ORATION	Boring No.	B-	614
		V	Ę		racuse, NY 13057			S BORII			Page No.		of 1
		ociates			315-701-0522		11231	DOM	·W	LUU	Project No.		3062
Project	Name:		_	us, Clay,	New York						Date Started		02/24
Client:		Rambo									Date Finished		02/24
Locatio	n:		•	on Locati		N.T.			CI.		Surface Elev.		36.2'
D. 31					INVESTIGATIO		II C A		GR	ROUNDWATER	OBSERVAT	IONS	
Driller: Driller:		H. Lyo K. Cra			Casing: Casing Hammer:	3 ¼" ID	H.S.A.	Date		Time	Depth (Ft.)	Casing	At (Ft.)
Inspecto		C. O'H			Other:			05/02/24		While Drilling	1.5	5	3.0
Drill Ri		CME 4			Soil Sampler:	2" OD S	Split Barrel	05/02/24		ore Casing Removed	3.0		9.7
Type:	.	ATV			Hammer Wt:	140 lbs.	•	05/02/24		er Casing Removed	2.5		out
Rod Siz	e:	AWJ			Hammer Fall:	30 in.		05/02/24		er Casing Removed	caved @ 6.0	(out
	LO	G OF	BOR	ING SA	AMPLES		VI	SUAL C	LAS	SIFICATION C	F MATERIA	L	
Depth		Sample	Depth	T/	Blows on	Double of	c -	- coarse					SPT "N"
Scale	Sample	(F	_	Type / Sample	Sampler	Depth of Change		medium			% / some - 20 to 35		or
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)		- fine			0% / trace - 0 to 109	%	RQD %
0	1A	0.0	0.5	SS/14	WR-1-1-3	ļ — -				erial (moist)			2
1	1B	0.5	2.0				Brown SIL	1, trace C	LAY	, trace fine SAND	(moist, soft)		
1						Brown SILT, trace CLAY (moist, stift							
2	2	2.0	4.0	SS/15	3-4-4-4	Brown SILT, trace CLAY (moist, stiff)							8
2		2.0	4.0	55/13	3 7 7 7	Brown SILT, trace CLAY (moist, stiff)							0
3													
						4 Brown/Grev CLAY and SILT, trace cmf SAND (m							
4	3	4.0	6.0	SS/16	1-1-WH-4	Brown/Grey CLAY and SILT, trace cmf S				SILT, trace cmf SA	ND (moist, very	soft)	1
						Brown/Grey CLAY and SILT, trace cmf S							
5													
				~~/4.			- /a	~~~					4.5
6	4	6.0	8.0	SS/13	7-8-8-8		Brown/Gre	ey SILT, tı	race (CLAY (wet, very st	1111)		16
7													
7													
8	5	8.0	10.0	SS/12	8-10-11-12		Similar as	above (we	t. vei	rv stiff)			21
		0.0	10.0	55/12	0 10 11 12		Similar as	400,000	.,	. y 30111)			21
9													
10	Ī												
11													
1.2													
12													
13	6	13.0	15.0	SS/14	1-4-5-6		Grey, Simi	lar ac abo	ve (u	vet stiff)			9
13		13.0	13.0	14 /66	1-7-3-0		Jicy, Silli	iai as auu	vc (, siiii j			7
14													
15	1												
16						ļ							
							Ī		_	_		_	
17							Augers gro	ivelly begi	innin	g @ 17.0'			
10	7	100	10.4	SS/7	5 6 9 50@1"		Dorle Case	/Dlag!- h:-	.h.l	weathered DOCK E	magmanta (Ch-1-) and	14
18	7	18.0	19.6	22//	5-6-8-50@1"	Dark Grey/Black highly weathered ROCK Fragments (S SILT, little cmf SAND (wet)				ragments (Shale) and	14	
19							SIL1, IIIII	om san	ש) עו	vci)			
	8	19.7	19.8	SS/1	50@1"		Black SHA	LE Fragn	ients	in tip of spoon. At	iger Refusal @	19.8′	50+
20	1		1		7 * 🕒 -		Bottom of				5J		

20 Bottom of Boring @ 19.8'
SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Test Boring Logs - Page 136 of 201

/ tttaoriiii	on to c	NVIL TXC	portiv	arriber.	20002D-04-0724	_					est boning Logs	, age	100 01 201	
				6035 C	orporate Drive	SI	JRSIJRF.	ACE ES	ORATION	Boring No.	B-	615		
		IV		East Sy	racuse, NY 13057			BORI			Page No.	1	of 2	
	Ass	ociates	s, Inc.	Phone:	315-701-0522		ILSI	DUKI	NG.	LUG	Project No.	28	3062	
Project	Name:	Micron	n Camp	us, Clay,	New York						Date Started	04/	18/24	
Client:		Rambo	oll								Date Finished	04/	18/24	
Location	n:	See Ex	ploration	on Locati	ion Plan						Surface Elev.		91.8'	
		ME	THO	DS OF	INVESTIGATIO	N			GF	ROUNDWATER	R OBSERVAT	IONS		
Driller:			letcher		Casing:	3 ¼" ID	H.S.A.	Date		Time	Depth (Ft.)	Casino	g At (Ft.)	
Driller:		-	Casatelli	i	Casing Hammer:						- · ·	,	, , ,	
Inspecto		Chris (Other:			04/18/24		While Drilling	None Noted		5.0	
Drill Ri	g:	CME 5	55		Soil Sampler:		Split Barrel			ore Casing Removed	8.8	2	6.4	
Type:		ATV			Hammer Wt:	140 lbs.		04/18/24		er Casing Removed	None Noted		out	
Rod Siz		AWJ	D O D		Hammer Fall:	30 in.	* * * * * * * * * * * * * * * * * * * *	04/18/24		er Casing Removed	caved @ 6.3		out	
	LO	T		ING SA	AMPLES		VI	SUAL C	LAS	SIFICATION C)F MATERIA	L	1	
Depth			e Depth	Type /	Blows on	Depth of	c ·	- coarse					SPT "N"	
Scale	Sample		t.)	Sample	Sampler	Change	m -	medium			0% / some - 20 to 35		or	
(Feet)	No.	From	To	Rec. (in.)	Per 6 Inches	(Ft.)		- fine			20% / trace - 0 to 109	%	RQD %	
0	1A	0.0	0.5	SS/13	WH-1-2-3	ļ				erial (moist, mediu			3	
	1B	0.5	2.0					•		T, little CLAY, trac	e ORGANIC			
1							MATERIA	AL (moist,	soft)					
2	2	2.0	4.0	SS/18	1 1 1 1		D/C		T 4 CI AV (4 -4:60		0		
2	2	2.0	4.0	55/18	4-4-4		Brown/Gre	et, Still)		8				
3						Brown/Grey mottled SILT, trace CLAY (wet, stiff) Brown SILT, trace CLAY (moist, stiff)								
3														
4	3	4.0	6.0	SS/17	3-3-5-7		Brown SII			8				
	3	7.0	0.0	33/17	3-3-3-7		Diowii Sil	i, nace c			8			
5														
6	4	6.0	8.0	SS/16	4-6-7-8		Similar as	above (m	oist, s	stiff)			13	
									,	,				
7														
8	5	8.0	10.0	SS/24	6-7-6-7		Similar as	above (wo	et, sti	ff)			13	
9														
10														
11														
12														
1.5														
13	_	12.5	150	00/14	2.67		C /D	G1		1 - (- : :::::::::::::::::::::::::::::::			1.0	
1.4	6	13.5	15.0	SS/14	3-6-7		Grey/Brow	n, Sımila	r as a	bove (wet, stiff)			13	
14														
1.5														
15														
16														
10														
17														
1 /														
18														
10	7	18.5	20.0	SS/13	2-3-6		Grey, Simi	lar as abo	ve (w	vet stiff)			9	
19	,	10.5	20.0	55/13	2-3-0		Grey, Silli	.iai ao a00	, , , (n	· · · · · · · · · · · · · · · · · · ·				
20							la	D (1	

20 Continued on Page 2
SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod
Remarks:

6035 Corporate Drive East Syracuse, NY 13057 Associates, Inc. Phone: 315-701-0522

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-615

 Page No.
 2 of 2

 Project No.
 28062

	Associates, Inc. Phone: 315-701-0522						TEST BORING L	JUG	Project No.	28062
					AMPLES	1	VISUAL CLASS	SIFICATION C		
Depth Scale (Feet)	Sample No.	Sample	Depth Tt.)	Type / Sample Rec. (in.)	Blows on Sampler Per 6 Inches	Depth of Change (Ft.)		and - 35 to 50	0% / some - 20 to 35% 20% / trace - 0 to 10%	SPT "N" or RQD %
20							Continued from Page 1			
21										
22						ļ				
23										
24	8	23.5	25.0	SS/12	6-8-13		Grey cmf GRAVEL and cr compact)	nf SAND, trace S	ILT (wet, medium	21
25	1									
26							Auger Refusal @ 26.4'			
27							Bottom of Boring @ 26.4'			
28										
29										
30										
31										
32										
33										
34										
35										
36										
37										
38										
39										
40	1									
41										
42										
43										
44										
45	1									

Test Boring Logs - Page 138 of 201 Attachment to CME Report Number: 28062B-04-0724 Boring No. **B-616** 6035 Corporate Drive SUBSURFACE EXPLORATION Page No. East Syracuse, NY 13057 1 of 2 **TEST BORING LOG** Associates, Inc. Project No. 28062 Phone: 315-701-0522 **Date Started** 04/18/24 Project Name: Micron Campus, Clay, New York **Client:** Ramboll **Date Finished** 04/18/24 Location: See Exploration Location Plan Surface Elev. 392.5' METHODS OF INVESTIGATION **GROUNDWATER OBSERVATIONS** Driller: Beau Fletcher 3 1/4" ID H.S.A. Casing: Date Time Depth (Ft.) Casing At (Ft.) Driller: Ryan Casatelli **Casing Hammer:** While Drilling None Noted 15.0 Inspector: Chris O'Hara Other: 04/18/24 Drill Rig: CME 55 Soil Sampler: 2" OD Split Barrel 04/18/24 Before Casing Removed 7.0 * 24.2 Type: ATV Hammer Wt: 04/18/24 After Casing Removed 5.0 * out

Type:		ATV			Hammer Wt:	140 lbs.	04/18/24		er Casing Remov		5.0 *	0	out	
Rod Siz	e:	AWJ			Hammer Fall:	ě e						out		
	LO	G OF	BOR	ING SA	AMPLES		VIS	SUAL C				OF MATERIA	L	
Depth		Sample	Depth	т. /	Blows on	D 4 6	c -	coarse						SPT "N"
Scale	Sample	(F		Type / Sample	Sampler	Depth of Change		medium		and - 35	to 50	% / some - 20 to 35	%	or
(Feet)	No.	From	To	Rec. (in.)	Per 6 Inches	(Ft.)		- fine				0% / trace - 0 to 10		RQD %
0	1A	0.0	0.5	SS/13	1-1-3-4		Topsoil and	d Organic	Mate	erial (moist)				4
	1B	0.5	2.0			[Brown/Gre	y mottled	SIL	Γ, little CLAY	trac	e cmf SAND, tr	ace	
1							ORGANIC	MATER	IAL	(moist, mediur	n sti	ff)		
2	2	2.0	4.0	SS/12	4-5-5-5		Brown/Gre	y mottled	SIL	Γ, trace CLAY	(mc	oist, stiff)		10
3														
	_													
4	3	4.0	6.0	SS/17	4-4-6-8		Brown SIL	T, trace C	CLAY	, trace fine SA	ND	(moist, stiff)		10
	1													
5														
6	4	6.0	8.0	SS/15	6-8-7-10		Droum CII	T trace C	יד א זי	(wet, very sti	er)			15
0	4	0.0	8.0	33/13	0-6-7-10		BIOWII SIL	i, nace C	LAI	. (wet, very str	11)			13
7														
,						·								
8	5	8.0	10.0	SS/20	6-8-5-5		Brown SIL	T, little cr	mf G	RAVEL, trace	CLA	AY, trace cmf SA	AND	13
							(wet, stiff)	,		,		,		
9														
10														
11														
10														
12														
13														
13	6	13.5	15.0	SS/12	3-4-8		Brown/Gre	v SII T tr	race (CLAY (wet, st	ff)			12
14		13.3	13.0	55/12	3-4-0		Diowil/Gic	y SIL1, u	i acc v	CLAT (wei, si	11)			12
17														
15														
16														
						l	<u>L</u>							
17						[
18														
	7	18.5	20.0	SS/7	WH-1-2		Grey cmf S	SAND, litt	le mi	f GRAVEL, tra	ice S	SILT (wet, very	loose)	3
19														
- 20	ļ							D -						
20					l		Continued	on Page 2						

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

*Water added to boring for coring. Remarks:

CVE Associates, Inc. 6035 Corporate Drive East Syracuse, NY 13057 Phone: 315, 701, 0522

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-616

 Page No.
 2 of 2

 Project No.
 28062

	Associates, Inc. Phone: 315-701-0522 LOG OF BORING SAMPLES					VISUAL CLASSIFICATION OF MATERIAL					
	LO	G OF	BOR	ING SA	AMPLES		VISUAL CLAS	SIFICATION (OF MATERIAL	L	
Depth Scale (Feet)	Sample No.	Sample (F	Depth (t.)	Type / Sample Rec. (in.)	Blows on Sampler Per 6 Inches	Depth of Change (Ft.)	c - coarse m - medium f - fine		0% / some - 20 to 35% 20% / trace - 0 to 10%		SPT "N" or RQD %
20 21 22	8	20.0	22.0		7-8-21-22		Continued from Page 1 Grey cmf SAND and mf (compact)				29
23 24	9 R-1	23.5 24.2	24.2 29.2	SS/8 C/60	19-50@2" NQ-Core		Grey cmf SAND and mf C Grey DOLOSTONE with thick), slightly weathered,	interbedded SHA	LE layers (<1/8" -	2.0"	50+ 97%
25 26 27 28							hard to hard. SILT seam (1/8" thick) @ 24.4'. Recovery: 60"/60" = 100% RQD: 58"/60" = 97% 21 Pieces, 0" Chips and Fragments 0.5 - 1.50 min/ft, no water loss Coring conducted in 4th gear, 1500 rpm, 600 psi down pressure. Grey DOLOSTONE with interbedded SHALE layers (<1/8" - 2.0"				
29 30 31 32	R-2	29.2	34.2	C/60	NQ-Core		Grey DOLOSTONE with thick), slightly weathered, hard to hard. Weathered a Recovery: 60"/60" = 100% RQD: 58"/60" = 97% 22 Pieces, 1" Chips and Find the state of t	thinly laminated to cones (1/2" - 3/4") % ragments closs	o thinly bedded, n thick) @ 31.3' and	nedium d 31.8'.	97%
33							Bottom of Boring @ 34.2				
35 36 37											
38											
40											
42 43											
44											

Attachm	ent to C	ME Re	port N	umber: :	28062B-04-0724						Test Boring Logs	- Page 1	140 of 201
				6035 C	orporate Drive	SI	IRSURE	ACE EX	ZPI.	ORATION	Boring No.	B-	617
		IV		East Sy	racuse, NY 13057						Page No.	1	of 2
	Ass	ociates	s, Inc.	Phone:	315-701-0522		IESI	BORII	NG	LUG	Project No.	28	3062
Project	Name:	Micror	n Campi	us, Clay,	New York	•					Date Started	04/	17/24
Client:		Rambo	oll								Date Finished	04/	17/24
Location	n:			on Locati							Surface Elev.		93.0'
		ME	THO	DS OF	INVESTIGATIO				GR	ROUNDWATE	R OBSERVAT	IONS	
Driller:		-	lichards	1	Casing:	3 ¼" ID	H.S.A.	Date		Time	Depth (Ft.)	Casino	At (Ft.)
Driller:		Chris (O'Hara		Casing Hammer:						• ` '		
Inspecto					Other:			04/17/24		While Drilling	None Noted		5.0
Drill Ri	g:	CME 5	55		Soil Sampler:		Split Barrel	04/17/24		ore Casing Removed			4.3
Type:		ATV			Hammer Wt:	140 lbs.		04/17/24		er Casing Removed			out
Rod Siz		AWJ	DODI	INC C	Hammer Fall:	30 in.	X / I	04/17/24		er Casing Removed			out
	LO	1		ING SA	AMPLES	-	<u> </u>	SUAL C	LAS	SIFICATION	OF MATERIAL		1
Depth		Sample		Type /	Blows on	Depth of		- coarse		_			SPT "N"
Scale (Fact)	Sample	From	t.)	Sample	Sampler	Change		medium - fine			0% / some - 20 to 35°		or
(Feet)	No.	0.0	To 0.5	Rec. (in.) SS/14	Per 6 Inches WH-1-3-4	(Ft.)			Mate	erial (moist)	20% / trace - 0 to 109	/0	RQD %
	1B	0.0	2.0	JJ/14	vv 11-1-3- 4	<u> </u>				F, little CLAY, tra	oce ORGANIC		
1	ענ	0.5	2.0				MATERIA	•			OROAINIC		
1							IVII I I LICII	il (moist,	mea	idili stiri)			
2	2	2.0	4.0	SS/15	4-5-7-8		Brown/Gre	ev SILT, li	ittle (CLAY (wet, stiff)			12
								,		, , ,			
3													
4	3	4.0	6.0	SS/13	5-5-6-6		Brown SIL	T, trace C	CLAY	(wet, stiff)			11
						Brown SILT, trace							
5													
				~~/.*				LT, trace CLAY (wet, stiff)					
6	4	6.0	8.0	SS/12	7-7-7		Brown SIL	T, trace C	CLAY	(wet, stiff)			14
7													
7													
8	5	8.0	10.0	SS/11	4-5-7-8		Drown CII	T trace	TAV	, trace cmf SANI) (wat stiff)		12
0	3	0.0	10.0	33/11	4-3-7-8		DIOWII SIL	i, nace C	LAI	, trace cill SAINI	(wet, still)		12
9													
10													
11													
12													
13													
	_			9011	*****		_ ·=	ATT = ::	••	~T . T	7.43 ID. (C `	
14	6	14.0	16.0	SS/12	WH-1-WH-2		Brown/Gre	ey SILT, li	ittle (CLAY, trace cmf	SAND (wet, very	soft)	1
1.5													
15													
16	7	16.0	18.0	SS/10	1-2-2-2		Cimilar a-	ahova (***	ıt	dium stiff			1
10	/	10.0	10.0	33/10	1-2-2-2		Similar as	aoove (We	ı, me	edium stiff)			4
17													
1,/													
18	8	18.0	20.0	SS/15	2-3-3-2		Grev SILT	. trace CI	ΑΥ((wet, medium stiff)		6
		-0.0					,	, 01	(,	,		
19													

20 | Continued on Page 2
SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod
Remarks:

6035 Corporate Drive
East Syracuse, NY 13057
Associates, Inc.
Phone: 315-701-0522

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-617

 Page No.
 2 of 2

 Project No.
 28062

	Associates, Inc. Phone: 315-701-0522 LOG OF BORING SAMPLES					TEST BORING LOG Project No. 28					
							VISUAL CLASS	SIFICATION O	-		
Depth		T .	e Depth	Type /	Blows on	Depth of				SPT "N"	
Scale	Sample	(F	řt.)	Sample	Sampler	Change	m - medium		% / some - 20 to 35%	or	
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)	f - fine Continued from Page 1	little - 10 to 20	0% / trace - 0 to 10%	RQD %	
20	9	20.0	22.0	SS/18	WH-1-2-4		Grey CLAY, little SILT, to	race cmf SAND (w	vet, very soft)	1	
21								· — — · ·			
22	10	22.0	23.9	SS/13	5-10-16-50@5"		Dark Grey/Black ROCK F	Fragments (Shale) a	and CLAY (wet)	26	
23											
24	11	24.2	24.2	CC/0	50@0"		Augered harder beginning			50.1	
24	11	24.3	24.3	SS/0	50@0"		No Recovery - Auger Refu Bottom of Boring @ 24.3'	sai & 24.5		50+	
25	1						-5 😓 = 1.0				
26											
27											
28											
29											
30											
31											
32											
33											
34											
35	1										
36											
37											
38											
39											
40	1										
41											
42											
43											
44											
45	1										

Attachm	ent to C	ME Re	port N	umber: 2	28062B-04-0724					Test Boring Logs	- Page 1	42 of 201
				6035 Co	orporate Drive	QT	TRCHDE	ACE EX	KPLORATION	Boring No.	B-6	618
					racuse, NY 13057	50				Page No.	1 c	of 2
	Asso	ociates	s, Inc.		315-701-0522		TEST	BORL	NG LOG	Project No.		062
Project	Name:	Micror	Camp		New York	<u> </u>				Date Started		9/24
Client:	1 (table)	Rambo		us, ciuj,	TOW TOTAL					Date Finished		9/24
Location	n•			on Locati	on Dlan					Surface Elev.		2.7'
Location	11.				INVESTIGATIO	N			GROUNDWATE			2.1
Driller:			letcher			3 ¼" ID	II C A		GROUNDWATE	T ODSERVAT	IONS	
					Casing:	3 % ID	п.з.А.	Date	Time	Depth (Ft.)	Casing	At (Ft.)
Driller:		-	Casatelli	l	Casing Hammer:			04/10/24	114 .1 D .11.	15.0	1.0	0.5
Inspecto		Chris (Other:	211 O.D. 6	1 1	04/19/24	While Drilling	15.0		3.5
Drill Ri	g:	CME 5	5		Soil Sampler:		Split Barrel	04/19/24	\mathcal{L}			1.3
Type:		ATV			Hammer Wt:	140 lbs.		04/19/24	After Casing Removed			ut
Rod Siz		AWJ			Hammer Fall:	30 in.		04/19/24	U			ut
	LO	G OF	BOR	ING SA	AMPLES		VI	SUAL C	LASSIFICATION	OF MATERIA	L	
Depth		Sample	e Depth	T/	Blows on	Donate of	c -	coarse				SPT "N"
Scale	Sample	_	řt.)	Type / Sample	Sampler	Depth of Change		medium	and - 35 to 5	0% / some - 20 to 35	%	or
(Feet)	No.	From	To	Rec. (in.)	Per 6 Inches	(Ft.)		- fine		20% / trace - 0 to 10°		RQD %
0	1A	0.0	0.4	SS/14	WH-2-2-3		Topsoil an	d Organic	: Material (moist)			4
	1B	0.4	2.0			I			CLAY, little SILT, tra	ice ORGANIC		
1								•	, medium stiff)			
1								(· <i>)</i>			
2	2	2.0	4.0	SS/15	1-2-2-2		Brown/Gre	ev mottled	SILT and CLAY (mo	st. medium stiff)		4
-	_			22/10	1			, , , , , , , , , , , , , , , , , , , ,	COLDI WILW CELLI (IIIC	,		
3												
4	3	4.0	6.0	SS/13	3-4-5-6		Similar as	ahove (m	oiet etiff)			9
-	3	7.0	0.0	33/13	3-4-3-0		Sillillai as	above (III	0151, 51111)			9
5	ł											
3												
6	4	6.0	8.0	SS/14	4-7-6-7		Dansam CII	T +maga (OI AV (maigt stiff)			13
6	4	6.0	8.0	55/14	4-/-0-/		Brown SIL	1, trace C	CLAY (moist, stiff)			13
_												
7												
	_		400	~~/=								• •
8	5	8.0	10.0	SS/7	6-10-10-8		Similar as	above (mo	oist, very stiff)			20
9												
	l r											
10												
11												
12												
13												
	6	13.5	15.0	SS/14	3-2-2		Grey/Brow	n SILT, 1	ittle CLAY (wet, medi	ım stiff)		4
14												
L_												
15	7A	15.0	16.0	SS/15	2-2-1-1		Grey SILT	, some CI	LAY (wet, soft)			3
16	7B	16.0	17.0			[Grey CLA	Y, little S	ILT, little fine GRAVE	L, trace cmf SAN	ND	
							(wet, soft)					
17	8	17.0	18.5		4-5-4		Grey SILT, some CLAY, trace fine GRAVEL, trace cmf SAND			ND	9	
							(wet, stiff)	,	,	,		
18						<u> </u>	<u> </u>					
	9	18.5	20.0	SS/11	3-5-4		Grey cmf SAND, some cmf GRAVEL, some SILT (wet, loose)				9	
19		10.0		~~,11					, 50H		- - /	
		1			ī		•					

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

CRAE	6035 Corporate Drive
CIVIE	East Syracuse, NY 13057
Associates, Inc.	Phone: 315-701-0522

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-618

 Page No.
 2 of 2

 Project No.
 28062

	Associates, Inc. Phone: 315-701-0522 LOG OF BORING SAMPLES				315-701-0522		TEST DOMING		Project No.	28	062
		G OF	BOR	ING SA	AMPLES		VISUAL CLAS	SIFICATION (OF MATERIA	L	
Depth Scale (Feet)	Sample No.		Depth (t.)	Type / Sample Rec. (in.)	Blows on Sampler Per 6 Inches	Depth of Change (Ft.)	c - coarse m - medium f - fine		0% / some - 20 to 35% 20% / trace - 0 to 10%		SPT "N" or RQD %
20							Continued from Page 1				
21											
22						ļ					
23											
24	10	23.5	23.9	SS/5	50@5"		Grey/Black highly weathe SILT (wet)		ents (Dolostone),	little	50+
25							Split Spoon and Auger Re Bottom of Boring @ 24.3	rusai @ 24.5			
26											
27											
28											
29											
30	1										
31											
32											
33											
34											
35	-										
36											
37											
38											
39											
40											
41											
42											
43											
44											
45	1										

Test Boring Logs - Page 144 of 201

/ tttaoriiri	5. IL 10 C	IVIL IXC	portiv	arriber.	20002D-04-0724	ı				<u> </u>	est boiling Logs		
					orporate Drive	SI	JBSURF	ACE EX	CPL (ORATION	Boring No.		619
		IV	Ę	-	racuse, NY 13057			BORI			Page No.		of 2
		ociates	- 5	i none.	315-701-0522		TEST	DOM	1101		Project No.		3062
Project	Name:		_	us, Clay,	New York						Date Started		17/24
Client:		Rambo									Date Finished		17/24
Location	n:			on Locati		. T			CD	OLINDAL ATER	Surface Elev.)2.3'
- · · ·					INVESTIGATIO				GR	OUNDWATER	OBSERVAT	TONS	
Driller: Driller:		-	Lichards	8	Casing:	3 ¼" ID	H.S.A.	Date		Time	Depth (Ft.)	Casing	At (Ft.)
Inspecto		Chris () Hara		Casing Hammer: Other:			04/17/24		While Drilling	None Noted	1	5.0
Drill Rig		CME 5	5.5		Soil Sampler:	2" OD S	Split Barrel	04/17/24		re Casing Removed	3.0		4.0
Type:	g.	ATV	, ,		Hammer Wt:	140 lbs.	-	04/17/24		er Casing Removed	4.7		out
Rod Size	e:	AWJ			Hammer Fall:	30 in.		04/17/24		er Casing Removed	caved @ 12.1		out
Ttou SIZ			ROR	ING S	AMPLES	50 m.	VI			SIFICATION (-		, at
	LO								L /10		or white Ettin		l
Depth Scale	Sample		e Depth t.)	1 ypc /	Blows on Sampler	Depth of		coarse medium		and 25 to 50	0% / some - 20 to 35	0/	SPT "N"
(Feet)	No.	From	То	Sample Rec. (in.)	Per 6 Inches	Change (Ft.)		- fine			20% / trace - 0 to 109		or RQD %
0	1A	0.0	0.3	SS/13	WH-1-3-4	,			Mate	erial (moist)			4
	1B	0.3	2.0							, some CLAY, tra	ce ORGANIC		
1							MATERIA	L (moist,	medi	um stiff)			
2	2	2.0	4.0	SS/11	5-4-3-5		Brown/Gre	ey mottled	SILT	T, little CLAY (mo	ist, medium stiff	f)	7
3													
4	3	4.0	6.0	SS/12	3-4-5-7		Brown SIL	T, trace C	CLAY	(wet, stiff)			9
5													
	4	6.0	0.0	00/15	5 7 7 7		D CII	т. С	T 4 3 7	C CAND	(4 · · · · · · · · · · · · · · · · · ·		1.4
6	4	6.0	8.0	SS/15	5-7-7-7		Brown SIL	1, trace C	LAY	, trace fine SAND	(wet, still)		14
7													
/													
8	5	8.0	10.0	SS/14	5-6-7-8		Brown SII	T trace C	LAY	(wet, stiff)			13
		0.0	10.0	55/11	3 0 7 0		Brown SIE	, irace c	22.11	(13
9													
10													
11													
12													
13													
1.4		140	160	00/10	2 2 2 5		G G: .		,				
14	6	14.0	16.0	SS/12	3-3-3-5		Grey, Simi	lar as abo	ve (w	et, medium stiff)			6
15													
13													
16													
10													
17													
'													
18													
19	7	19.0	21.0	SS/10	1-3-5-7		Similar as	above (mo	oist, s	tiff)			8

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

6035 Corporate Drive
East Syracuse, NY 13057

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-619

 Page No.
 2 of 2

 Project No.
 28062

	Associates, Inc. Phone: 315-701-0522					TEST BORING LOG Project No. 28062					
	LOG OF BORING SAMPLES epth Sample Depth Type / Blows on						VISUAL CLASS	SIFICATION C			
Depth Scale (Feet)	Sample No.		e Depth ft.)	Type / Sample Rec. (in.)	Blows on Sampler Per 6 Inches	Depth of Change (Ft.)	c - coarse m - medium f - fine	and - 35 to 50	% / some - 20 to 35% 0% / trace - 0 to 10%	SPT or RQI	r
20							Continued from Page 1				
21											
22						<u> </u>					
23							Augered harder beginning Grey CLAY, little SILT, ti	@ 23.7' race fine GRAVE	L, trace cmf SAND		
24	8A	24.0		SS/9	3-22-50@1"	ļ	(wet, hard)	(D.1.4.)(50)+
25	8B	24.2	25.1				Black/Grey ROCK Fragmo Split Spoon and Auger Rej		wei)		
26							Bottom of Boring @ 25.3'				
27											
28											
29											
30											
31											
32											
33											
34											
35	1										
36											
37											
38											
39											
40											
41											
42											
43											
44	+										
73	1	I									

Attachm	ent to C	ME Re	port N	umber: 2	28062B-04-0724				Т	est Boring Logs	- Page	146 of 201	
				6035 Co	orporate Drive	SI	IRSURE	ACE EX	KPLORATION	Boring No.	B-	620	
		IV		East Sy	racuse, NY 13057					Page No.	1	of 2	
	Asso	ociates	s, Inc.	Phone:	315-701-0522		TEST	ROKI	NG LOG	Project No.	28	3062	
Project					New York	ı				Date Started	04/	18/24	
Client:		Rambo								Date Finished		18/24	
Location	1:			on Locati	ion Plan					Surface Elev.		91.3'	
20040101					INVESTIGATIO	N			GROUNDWATER			1.0	
Driller:			letcher		Casing:	3 ¼" ID	HSA						
Driller:		Ryan C			Casing Hammer:	3 /4 11	11.5.71.	Date	Time	Depth (Ft.)	Casing	g At (Ft.)	
Inspecto	r.	Chris (Other:			04/18/24	While Drilling	None Noted	1	5.0	
Drill Rig		CME 5			Soil Sampler:	2" OD S	Split Barrel		Before Casing Removed			4.5	
Type:	5•	ATV))		Hammer Wt:	140 lbs.	-	04/18/24	-	8.0			
Rod Size		AWJ			Hammer Fall:	30 in.		04/18/24		caved @ 21.0	-	out	
Kou Size			DOD	INC C		30 m.	171		- C	ý		out	
	LO	G OF	BOK	ING SA	AMPLES	<u> </u>	VI	SUAL C	LASSIFICATION (JF MATERIA	L		
Depth			Depth	Type /	Blows on	Depth of	c -	- coarse				SPT "N"	
Scale	Sample	(F	t.)	Sample	Sampler	Change	m -	medium	and - 35 to 50	0% / some - 20 to 35	%	or	
(Feet)	No.	From	To	Rec. (in.)	Per 6 Inches	(Ft.)		- fine		20% / trace - 0 to 10°	%	RQD %	
0	1A	0.0	0.5	SS/14	1-1-4-4	<u> </u>			Material (moist)			5	
	1B	0.5	2.0				Brown SIL	T, trace C	CLAY, trace cmf SAND	, trace GRAVEI	(moist,		
1							medium sti	iff)					
							inculain suit)						
2	2	2.0	4.0	SS/11	3-4-4-7		Brown/Gre	ey mottled	SILT, trace CLAY (we	et, stiff)		8	
								,	,	, ,			
3													
5													
4	3	4.0	6.0	SS/15	5-8-7-9		Brown SII	T trace (CLAY (wet, very stiff)			15	
	3	7.0	0.0	33/13	3-0-7-9		DIOWII SIL	i, nace C	LAT (wei, very suit)			13	
5													
3													
6	4	6.0	8.0	SS/10	6-7-8-7		Cimilan aa	a h arra (****	at reason atiff			15	
6	4	0.0	8.0	33/10	0-7-0-7		Sillillai as	above (we	et, very stiff)			13	
_													
7													
	_		400	~~!40			~						
8	5	8.0	10.0	SS/18	5-7-8-9		Similar as	above (m	oist, very stiff)			15	
9													
10													
11													
12													
13													
	6	13.5	15.0	SS/14	2-3-3		Grev, Simi	lar as abo	ve (moist, medium stiff)		6	
14	9	13.5	10.0	~~,11			-1-5, 51111		(meios, mearain suit)	,			
1 1													
15													
1.3													
16													
10													
17													
17													
10													
18	_	10-	20.0	90111	4.5.0				137 (1.0	
10	7	18.5	20.0	SS/11	4-7-3		Grey SILT	, some CI	LAY (wet, stiff)			10	
19													

20 Continued on Page 2
SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod
Remarks:

6035 Corporate Drive
East Syracuse, NY 13057

SUBSURFACE EXPLORATION TEST BORING LOG

Boring No. B-620

Page No. 2 of 2

Project No. 28062

	Ass	ociates	s, Inc.	Phone: 3	315-701-0522		TEST BORING I	LOG	Project No.	28062
						†	VISUAL CLASS	SIFICATION (
Depth Scale (Feet)	Sample No.	o. From To Rec. (in.) Per 6 Inches (Ft.) f - fine little - 10 to 20% / trace - 0 to 10%								
20							Continued from Page 1			
21							Augers gravelly beginning	@ 21.4'		
22										
23	8	23.5	24.4	SS/9	5-50@5"		Dark Grey/Black ROCK F SAND (wet)	ragments (Shale)	and CLAY, little cm	f 50+
25	_						Auger Refusal @ 24.5' Bottom of Boring @ 24.5'			
26										
27										
28										
29										
30										
31										
32										
33										
34										
35										
36										
37										
39										
40										
41										
42										
43										
44										
45	1									

				6035 Co	orporate Drive	SI	IRSURF	ACE EX	PLORATION		Boring No.	B-	623
		IV			racuse, NY 13057	SUBSURFACE EXPLORATION TEST BORING LOG					Page No.	1	of 2
	Asso	ciates	s, Inc.	Phone: 3	315-701-0522		1691	DUKI	NG LUG	Ī	Project No.	28	3062
Project	Name:	Micror	Camp	us, Clay,	New York	•					Date Started	04/	16/24
Client:		Rambo	ll								Date Finished	04/	16/24
Location	n:			on Locati							Surface Elev.	39	92.1'
		ME	THO	DS OF	INVESTIGATIO	N			GROUNDWAT	ΓER	OBSERVAT	IONS	
Driller:		Gary R			Casing:	3 ¼" ID	H.S.A.	Date	Time		Depth (Ft.)	Casino	g At (Ft.)
Driller:		Chris C			Casing Hammer:								
Inspecto				cher, P.G				04/16/24	While Drilling		None Noted		9.0
Drill Ri	g:	CME 5	55		Soil Sampler:		Split Barrel	04/16/24	•		8.1		5.7
Type:		ATV			Hammer Wt:	140 lbs.	,	04/16/24	After Casing Remo		4.8		out
Rod Siz		AWJ	DOD	DIG C	Hammer Fall:	30 in.	X 7 T	04/16/24	After Casing Remo		caved @ 7.7		out
	LO			ING SA	MPLES		VI	SUAL C	LASSIFICATIO	N U	F MATERIA	L	1
Depth		_	Depth	Type /	Blows on	Depth of	c -	coarse					SPT "N"
Scale	Sample			Sample	Sampler	Change	m -	medium			% / some - 20 to 35		or
(Feet)	No.	From	To	Rec. (in.)	Per 6 Inches	(Ft.)		- fine		0 to 20	0% / trace - 0 to 109	2/0	RQD %
0	1A	0.0	0.3	SS/18	1-1-3-4	 			Material (moist)		ODCANIC		4
1	1B	0.3	2.0					•	SILT, trace CLAY	, trac	e ORGANIC		
1							MATERIA	LL (moist,	medium stiff)				
2	2	2.0	4.0	SS/18	3-5-5-5		Droum/Cro	v mottlad	SILT, trace CLAY	(ma	ist stiff		10
2	2	2.0	4.0	33/10	3-3-3-3		BIOWII/GIE	y moned	SIL1, trace CLA1	(1110	ist, stiii)		10
3													
3													
4	3	4.0	6.0	SS/24	3-6-6-7		Brown/Gre	v SII T t	race CLAY, trace c	mf S	AND (moist sti	ff)	12
_	3	7.0	0.0	55/24	3007		DIOWII GIC	y Silli, t	race CLATT, trace of	1111 57	in (moist, str	11)	12
5													
6	4	6.0	8.0	SS/24	7-8-8-9		Brown SIL	T, trace C	CLAY (moist, very s	stiff)			16
									•				
7													
						ļ							
8	5	8.0	10.0	SS/20	5-7-7-7		Brown SIL	T, trace f	ine GRAVEL, trace	cmf	SAND (moist,	stiff)	14
9													
10													
1													
11													
12													
12													
13													
13													
14	6	14.0	16.0	SS/18	2-3-4-7		Gray CII T	trace CI	AY (wet, medium s	tiff			7
1 4	U	14.0	10.0	33/10	∠-J- 4- /		Oley SIL1	, uace CL	za i (wei, inediuili s	ы11)			,
15													
16													
17													
18													
19	7A	19.0	20.5	SS/22	1-2-2-1				ILT, trace fine GRA	AVEI	L, trace cmf SA	ND	4
							(wet, medi						
20							Continued	on Page 2	2				

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod Remarks:

CME Associates, Inc.

6035 Corporate Drive East Syracuse, NY 13057 Phone: 315-701-0522

SUBSURFACE EXPLORATION TEST BORING LOG

Boring No. B-623

Page No. 2 of 2

Project No. 28062

	Associates, Inc. Phone: 315-701-0522 LOG OF BORING SAMPLES						TEST BORING I	LOG	Project No.	280	62
							VISUAL CLAS	SIFICATION (OF MATERIAL		
Depth			e Depth	Type /	Blows on	Depth of	c - coarse				SPT "N"
Scale	Sample	(F	řt.)	Sample	Sampler	Change	m - medium		0% / some - 20 to 35%		or
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)	f - fine Continued from Page 1	little - 10 to 2	20% / trace - 0 to 10%	-	RQD %
21	7B 8	20.5 21.0	21.0 23.0	SS/17	2-4-9-6		Grey SILT, some cmf SAl Grey cmf SAND and cmf compact)			(<u>wet</u>)	13
22							compact)				
23							Augers gravelly beginning	a @ 23 5'			
24	9A	24.0		SS/13	4-23-50@1"	<u> </u>	Grey cmf SAND, little SII compact)	LT, trace fine GRA			50+
25	9B	24.6	25.1				Dark Grey weathered ROO Auger Refusal @ 25.7'	CK Fragments (Sh	ale)		
26							Bottom of Boring @ 25.7				
27											
28											
29											
30	1										
31											
32											
33											
34											
35	1										
36											
37											
38											
39											
40	1										
41											
42											
43											
44											
45	†										

Test Boring Logs - Page 150 of 201 Attachment to CME Report Number: 28062B-04-0724 Boring No. B-624 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 2 **TEST BORING LOG** Associates, Inc. Phone: 315-701-0522 Project No. 28062 **Date Started** 04/16/24 Project Name: Micron Campus, Clay, New York **Client:** Ramboll **Date Finished** 04/17/24 Surface Elev. 389.8' Location: See Exploration Location Plan METHODS OF INVESTIGATION **GROUNDWATER OBSERVATIONS Driller:** Al Linstruth Casing: 3 1/4" ID H.S.A. **Date** Time Depth (Ft.) Casing At (Ft.) **Driller:** John Winks **Casing Hammer:** While Drilling 10.0 Inspector: Mark Schumacher, P.G Other: NQ-Core 04/16/24 None Noted Drill Rig: 2" OD Split Barrel 04/17/24 Before Casing Removed 4.3* 24.1 CME 55 Soil Sampler: ATV 04/17/24 After Casing Removed 5.5 Type: Hammer Wt: 140 lbs. out **Rod Size:** AWJ Hammer Fall: 30 in. 04/17/24 After Casing Removed caved @ 16.7 out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35% Sample Change RQD % (Feet) From То Per 6 Inches little - 10 to 20% / trace - 0 to 10%No. Rec. (in.) (Ft.) f - fine 1**A** 0.5 SS/18 Topsoil and Organic Material (wet) 0.0 1-1-1-3 2.0 Brown/Grey mottled SILT, trace CLAY (moist, soft) 1B 0.5 1 2 2 2.0 SS/16 Brown/Grey mottled SILT, little CLAY (moist, stiff) 12 4.0 4-6-6-8 3 4 3 4.0 6.0 SS/24 Brown SILT, trace CLAY (moist, stiff) 12 4-6-6-6 5 6 4 6.0 8.0 SS/19 5-6-6-6 Brown SILT, trace CLAY (moist, stiff) 12 7 8 5 8.0 10.0 SS/13 4-6-7-10 Brown SILT, trace CLAY (moist, stiff) 13 9 10 11 12 13 SS/20 14 6 14.0 16.0 4-3-3-3 Grey SILT, trace CLAY, trace fine SAND (wet, medium stiff) 6 15

Grey SILT and CLAY, trace fine SAND (wet, very soft)

Continued on Page 2

1

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

WH-1-WH-1

Remarks: *Water added to borehole during coring process.

SS/9

16

17

18

19

7

19.0

21.0

Associates, Inc. Phone

6035 Corporate Drive East Syracuse, NY 13057

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-624

 Page No.
 2 of 2

 Project No.
 28062

	Ass	ociates	s, Inc.	Phone: 3	315-701-0522	<u>L</u> _	TEST DOMING		Project No.	28062		
	LO	G OF	BOR	ING SA	AMPLES		VISUAL CLAS	SIFICATION (OF MATERIAL			
Depth Scale	Sample		Depth	Type / Sample	Blows on Sampler Per 6 Inches	Depth of Change	c - coarse m - medium		0% / some - 20 to 35%		T "N" or OD %	
(Feet)	No.	rrom	То	Rec. (in.)	rer o inches	(Ft.)	f - fine Continued from Page 1	nuie - 10 to 2	20% / trace - 0 to 10%	κQ	עט % <u></u>	
21	8A	21.0	22.5		WH-3-2-4		Grey CLAY, little SILT, t	race cmf SAND (v	wet, medium stiff)		5	
22						·						
23	8B	22.5	23.0				Grey cmf SAND and SILT Augers gravelly beginning Augers harder beginning	g @ 23.0'				
24	9	24.0	24.1		50@1"	24.1'	Grey ROCK Fragments (S Split Spoon and Auger Re	shale) and ROCK		5	50+	
25	R-1	24.1	29.1	C/59	NQ-Core		Grey DOLOSTONE with	interbedded SHA	LE layers (<1/8" - 1		7%	
26							thick), slightly weathered, thinly laminated to medium bedded, hard. CLAY seam (3/4" thick) @ 25.0'. Broken and fractured zone @ 25.4' - 25.6'. Core blocked @ \sim 25.4 Recovery: 59"/60" = 98% RQD: 22"/60" = 37%					
27							28 Pieces, 2" Chips and Fragments					
28							2 - 2.25 min/ft, no water loss Coring conducted in 4th gear, 1800-2000 rpm, 450 psi down					
29	R-2	29.1	34.1	C60	NQ-Core		pressure. Grey DOLOSTONE with interbedded SHALE layers (<1/8" - 2"					
30	1				-		thick), slightly weathered		to medium bedded.			
31							CLAY seam (1/4" thick) (Weathered horizontal fract Recovery: 60"/60" = 1009	tures @ 32.1' and				
32							13 Pieces, 0" Chips and F. 2 - 2.75 min/ft, no water la	ragments	- 7870			
33							Coring conducted in 4th g pressure.		om, 450 psi down			
34							Bottom of Boring @ 34.1					
35	1											
36												
37												
38												
39												
40												
41												
42												
43												
44												
45	1	1		i l		I	1			I		

aomini	JII. 10 0	1	POILIN		28062B-04-0724				Roring No.				
		V			orporate Drive	SU	J BSURF A	ACE EX	XPLO	RATION	Boring No.		625
	Acer	ciates	Inc		racuse, NY 13057		TEST	BORI	NG L	0G	Page No.		of 2
			.5 - 1 - 2	T Hone.	315-701-0522						Project No.		3062
roject I	Name:		•	us, Clay,	New York						Date Started		30/24
lient:		Rambo			DI DI						Date Finished		30/24
Location	1:			on Locati)NI			CDC	HINDWATER	Surface Elev.		35.8'
Oriller:					INVESTIGATIO		II C A		GKC	OUNDWATER	UBSEKVAT	TON9	
riller: Filler:		Beau F Ryan C			Casing: Casing Hammer:	3 ¼" ID	п.з.А.	Date		Time	Depth (Ft.)	Casing	At (Ft.)
nspecto	r.	Kyan C	asatem	I	Other:	NQ-Cor	*A	04/30/24	72	hile Drilling	8.4	1	3.5
nspecto Prill Rig		CME 5	5		Soil Sampler:	-	e Split Barrel	04/30/24		Casing Removed	None Noted		6.0
л III кід Гуре:	,•	ATV	5		Hammer Wt:	140 lbs.	-	04/30/24		Casing Removed	4.0 *		o.o out
od Size	. •	AWJ			Hammer Fall:	30 in.		04/30/24		Casing Removed	caved @ 6.0		out
			BOR	ING S	AMPLES		VI			IFICATION (
	<u> Lo</u>			1110 52		+			LITE		or ivital bitting		
Depth	Come 1.	Sample (F		Type /	Blows on	Depth of		coarse		and 254-50	00/ / gama 20 t- 25	0/-	SPT "N
Scale (Feet)	Sample No.	From	To	Sample Rec. (in.)	Sampler Per 6 Inches	Change (Ft.)		medium - fine			0% / some - 20 to 35 20% / trace - 0 to 10		or RQD %
0	1	0.0	2.0	SS/16	WH-1-1-3	(Ft.))RGAN	IC MATERIAL			2
7	1	0.0	2.0	55/10	,,111 1-1-3		(moist, sof	*	NOAN	IO WILLIAMAL	, auce fine DAIN	_	
1							(moist, sor	.)					
2	2	2.0	4.0	SS/23	8-9-7-7		Brown SII	T. some o	cmf SA	ND, little mf GR	AVEL (wet ver	v stiff)	16
-	4	2.0	1.0	55,23	0 / 1-1		DIO WII DIL	, 301110	viii DA	, muc im OK	(,, , , , , ,	, 50111)	10
3													
5						 -	<u> </u>						
4	3	4.0	5.4	SS/14	5-32-50@5"		Brown cm	SAND s	some m	f GRAVEL, trac	e SILT (moist x	erv	50+
-	3	4.0	J.¬	55/14	3 32 30(0,3		compact)	, 57 H \D, 3	some m	i Giarvee, nac	e Silli (illoist, v	Ciy	301
5							1 /	ısal @ 5 5	5' possii	bly due to boulde	$\circ r$		
٥							Auger Keji Augered to		e possu	sey and to boutur	·•		
6							Ingereu 10	5.0					
~													
7													
,													
8	4	8.0	10.0	SS/24	40-35-40-29		Brown cm	SAND S	some cr	nf GRAVEL, tra	ce SILT (moist	verv	75
Ü	i	5.0	10.0	25,27	10 33 10 27		compact)	. ~. 11 112, 5	2011IC CI	SIGITE, HA	SILI (IIIOISI,	. 51 3	, ,
9													
_													
10													
-													
11													
12													
13													
	5A	13.5	14.5	SS/12	34-39-50@2"		Grey cmf S	SAND, so	me mf	GRAVEL, little	SILT (moist, ver	y	50+
14							compact)	,		,		-	
	5B	14.5	14.7					y weather	red ROC	CK Fragments (S	hale) and ROCK	C Flour	
15							(moist)	-			,		
							<u> </u>						
16							Auger Refi	ısal @ 16.	5.0' - set	up to core			
·	R-1	16.0	21.0	C/60	NQ-Core					terbedded SHAI	LE layers (<1/8"	- 2.0"	17%
17										y weathered, me	• \		
- '										ires @ 16.7', 17.			
18 18.6', 18.7', 19.1', 19.2' and											,, , .	- · - ,	
1.5										@ 19.5' - 20.3'.			
19										RQD: 10"/60'	' = 17%		
17							23 Pieces,				1 / /0		
20							Continued			gineins			
		n II I	Indist	urbed Ti	l ube, C - Core, WH -	Weight o	of Hammer -	Rod W	R - We	ight of Rod			<u> </u>
	it Snoo	[] I						- ILVIL. **					
	-				ing for coring.	Worght C	71 114111111101		10 110	ight of Itou			

Associates, Inc.

6035 Corporate Drive East Syracuse, NY 13057 Phone: 315, 701, 0522

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-625

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 Project No.
 28062

							TEST DOMING		Project No.	28	062
	LO	G OF	BO R	ING SA	AMPLES		VISUAL CLAS	SIFICATION (OF MATERIA	L	
Depth Scale	Sample	(F		Type / Sample	Blows on Sampler	Depth of Change	c - coarse m - medium		0% / some - 20 to 35%		SPT "N" or
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)	f - fine	little - 10 to 2	20% / trace - 0 to 10%	vo	RQD %
20							Continued from Page 1 1:00 min/ft, no water loss Coring conducted in 4th g		00 nsi down nrass	suro	
	R-2	21.0	26.0	C/60	NQ-Core		Grey DOLOSTONE with	interbedded SHA	LE layers (<1/8"	- 1.0"	42%
22							thick), slightly to moderat bedded, hard.		-		
23							Horizontal fractures with 25.3', 25.5', 25.6' and 25.6' Recovery, 60"/60" = 100	8'.		4.9',	
24							Recovery: 60"/60" = 100' 28 Pieces, 2" Chips and F:		- 4 270		
25	†						1:00 min/ft, no water loss				
26							Coring conducted in 4th g Bottom of Boring @ 26.0		00 psi down press	sure.	
27											
28											
29											
30											
31											
32											
33											
34											
35											
36											
37											
38											
39											
40											
42											
43											
44											
45	-										

Test Boring Logs - Page 154 of 201 ttachment to CME Report Number: 28062B-04-0724 Boring No. **B-626** 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 2 **TEST BORING LOG** Associates, Inc. Phone: 315-701-0522 Project No. 28062 **Date Started** 04/19/24 Project Name: Micron Campus, Clay, New York **Client:** Ramboll **Date Finished** 04/19/24 Surface Elev. 385.4' Location: See Exploration Location Plan METHODS OF INVESTIGATION **GROUNDWATER OBSERVATIONS** Driller: Al Linstruth Casing: 3 1/4" ID H.S.A. **Date** Time Depth (Ft.) Casing At (Ft.) **Driller:** John Winks **Casing Hammer:** While Drilling Inspector: Other: 04/19/24 15.0 18.5 Drill Rig: 2" OD Split Barrel 04/19/24 Before Casing Removed 14.7 20.8 CME 55 Soil Sampler: ATV 04/19/24 After Casing Removed None Noted Type: Hammer Wt: 140 lbs. out **Rod Size:** AWJ Hammer Fall: 30 in. 04/19/24 After Casing Removed caved @ out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Scale and - 35 to 50% / some - 20 to 35% Sample Sampler m - medium Sample Change RQD % From To Per 6 Inches f - fine little - 10 to 20% / trace - 0 to 10%(Feet) No. Rec. (in.) (Ft.) 2.0 SS/16 Brown/Grey mottled SILT, trace CLAY, trace ORGANIC 0.0 4-1-1-3 MATERIAL (moist, soft) 1 2 2 2.0 SS/18 4.0 3-4-4-4 Similar as above (wet, stiff) 8 3 SS/19 4 3 4.0 6.0 3-4-3-3 Brown SILT, trace CLAY (wet, medium stiff) 7

(wet, stiff)

See Remark 1
Continued on Page 2

Brown SILT, trace CLAY (wet)

SAND, trace fine GRAVEL (wet)

Brown SILT, little CLAY (wet, medium stiff)

Brown SILT, trace CLAY (wet, medium stiff)

Grey SILT, some cmf GRAVEL, little cmf SAND, trace CLAY

Dark Grey/Black ROCK Fragments (Shale), some SILT, little cmf

7

6

12

11

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks: 1. No recovery with a 2" spoon; therefore a 3" spoon was utilized.

5

6

7

8

10

11

12

13

14

15

16

17

18

19

4

5

6A

6B

7

6.0

8.0

13.5

14.0

18.5

8.0

10.0

14.0

15.0

20.0

SS/17

SS/18

SS/18

SS/0

3-4-3-4

2-3-3-3

3-6-6

6-5-6

6035 Corporate Drive
East Syracuse, NY 13057
Phone: 315-701-0522

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-626

 Page No.
 2 of 2

 Project No.
 28062

	Ass	ociate	s, Inc.	Phone: 3	315-701-0522		TEST BORING I	LOG	Project No.	28062	
					MPLES		VISUAL CLASS	SIFICATION (
. ·		1	e Depth			1					T. 113 ***
Depth Scale	Sample		t.)	Type /	Blows on	Depth of	c - coarse m - medium	and 25 to 50	0% / some - 20 to 35%		T "N"
(Feet)	No.	From	То	Sample Rec. (in.)	Sampler Per 6 Inches	Change (Ft.)	m - medium f - fine		20% / some - 20 to 35% 20% / trace - 0 to 10%		or QD %
20	110.	Trom	10	rece. (m.)	Ter o menes	(11.)	Continued from Page 1	10 10 10 1	.0707 trace 0 to 1070	110	(D / t
20	8	20.7	20.8		50@1"		Grey ROCK Fragments (S	hale) (wet)		5	5 0+
21		20.7	20.0		30@1		Split Spoon and Auger Rej				, 0
21							Bottom of Boring @ 20.8'	<i>usu</i>			
22							Bettem of Berms & 2010				
23											
24											
25	1										
26											
27											
28											
• 0											
29											
30	1										
30											
31											
31											
32											
02											
33											
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35											
36											
37											
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45		1									

Test Boring Logs - Page 156 of 201

Allaciiii	ent to C	NVIL IXC	portiv	ullibel.	20002D-04-0724	_				<u> </u>	est boning Logs	- raye	100 01 20 1
				6035 C	orporate Drive	CI	TRSHDE	ACE EX	ХDI	LORATION	Boring No.	B-	627
		IVI		East Sy	racuse, NY 13057						Page No.	1	of 2
	Asso	ociates	s, Inc.	Phone:	315-701-0522		TEST	BORI	NG	i LOG	Project No.	28	3062
Project					New York						Date Started	04/	30/24
Client:	- 100	Rambo		,,,							Date Finished		30/24
Location	1:			on Locati	ion Plan						Surface Elev.		33.0'
Location		•	_		INVESTIGATIO	N			G	ROUNDWATER			,5.0
Driller:		H. Lyo		20 01	Casing:	3 ¼" ID	H.S.A.		Т				
Driller:		K. Cra			Casing Hammer:			Date		Time	Depth (Ft.)	Casing	At (Ft.)
Inspecto	r:	C. O'H			Other:			04/30/24		While Drilling	2.5	8	3.0
Drill Ri		CME 4			Soil Sampler:	2" OD S	Split Barrel	04/30/24	Ве	efore Casing Removed	7.8	2	1.0
Type:		ATV			Hammer Wt:	140 lbs.		04/30/24	Α	fter Casing Removed	3.5	(out
Rod Size	e:	AWJ			Hammer Fall:	30 in.		04/30/24	A	fter Casing Removed	caved @ 5.5	(out
	LO	G OF	BOR	ING SA	AMPLES		VI	SUAL C	LA	SSIFICATION (F MATERIA	L	
Depth		Sample	Depth		Blows on	1		coarse					SPT "N"
Scale	Sample	_	t.)	Type / Sample	Sampler	Depth of Change		medium		and - 35 to 50	0% / some - 20 to 35	%	or
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)	f	- fine		little - 10 to 2	20% / trace - 0 to 109		RQD %
0	1A	0.0	0.5	SS/12	WH-1-1-3		Topsoil an	d Organic	с Ма	aterial (moist)			2
	1B	0.5	2.0			[Brown SIL	T, trace C	CLA	Y, trace fine SAND	(moist, soft)		
1													
2	2	2.0	4.0	SS/14	4-5-6-4		Brown/Gre	ey mottled	d SI	LT, trace CLAY (we	et, stiff)		11
3													
4	2	1.0	6.0	00/17	1 2 4 4		D GH	т	OT A	37 () 1' ''	20		
4	3	4.0	6.0	SS/17	1-2-4-4		Brown SIL	I, trace (CLA	AY (wet, medium stif	1)		6
- 5													
5													
6	4	6.0	8.0	SS/24	3-4-4-4		Similar as	ahove (w	et s	tiff)			8
U	7	0.0	0.0	55/24	3-4-4-4		Sillillai as	above (w	ci, s	······)			0
7													
,													
8	5	8.0	10.0	SS/23	4-4-4-5		Similar as	above (wo	et, s	tiff)			8
									,	,			
9													
10													
11													
						ļ	Augered gr	r <u>ave</u> ll <u>y</u> be	egini	ning @ 11.8'			
12													
	_			a~ /: -	• • • •			~p / *		1 OT T !! !	13 ID (
13	6	13.0	15.0	SS/10	2-9-8-8			3RAVEL	, litt	tle SILT, little cmf S	AND (wet, medi	um	17
1.4							compact)						
14													
1.5													
15													
16													
10													
17													
1 /													
18	7	18.0	20.0	SS/10	12-5-6-6		Grev cmf	RAVEI	, and	d cmf SAND, little S	ILT (wet_medin	m	11
10	,	10.0	20.0	55/10	12 3 0 0		compact)			o, ittie o	(, meatu		11
19							Sompaci,						
		•			Ī		•						

20 Continued on Page 2
SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod
Remarks:

6035 Corporate Drive
East Syracuse, NY 13057
Phone: 315-701-0522

SUBSURFACE EXPLORATION
TEST BORING LOG

 Boring No.
 B-627

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 2 of 2

 Project No.
 28062

	Associates, Inc. Phone: 315-701-0522						TEST BORING I	JUG	Project No.	280	062
					AMPLES	1	VISUAL CLASS	SIFICATION O			
D 4		1	e Depth								SPT "N"
Depth Scale	Sample		t.)	Type / Sample	Blows on Sampler	Depth of Change	c - coarse m - medium	and - 35 to 50	% / some - 20 to 35%		or
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)	f - fine		0% / trace - 0 to 10%		RQD %
20							Continued from Page 1				
							Augers harder beginning				
21	8	21.0	21.1	SS/1	50@1"		Black ROCK Fragments (S				50+
							Split Spoon and Auger Rep				
22							Bottom of Boring @ 21.1'				
23											
24											
25											
26											
26											
27											
1 -											
28											
29											
30											
30											
31											
32											
1 22											
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) 3/											
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	_										
40											
41											
71											
42											
43											
44											
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				6035 Co	orporate Drive	SI	URSURF	ACE EX	XPL C	RATION	Boring No.	B-	-628
		V	Ę	-	racuse, NY 13057			F BORI			Page No.		of 1
		ociates	30		315-701-0522		11201	I DOKI	NGL	AUG	Project No.		3062
-	Name:			us, Clay,	New York						Date Started		30/24
lient:		Rambo									Date Finished	04/	30/24
ocatio	n:			on Locati				Т	~~		Surface Elev.		81.4'
					INVESTIGATION				GR	OUNDWATE	R OBSERVAT	TONS	
Oriller:		H. Lyo			Casing:	3 ¼" ID	H.S.A.	Date		Time	Depth (Ft.)	Casing	g At (Ft.)
Oriller:		K. Cra C. O'H			Casing Hammer:			04/30/24	,	While Drilling	None Noted		6.0
nspecto Drill Ri		C. On			Other: Soil Sampler:	2" OD 9	Split Barrel	04/30/24		e Casing Remove			1.0
Type:	g•	ATV	rJ		Hammer Wt:	140 lbs.	-	04/30/24		Casing Removed			out
Rod Siz	e:	AWJ			Hammer Fall:	30 in.	•	04/30/24		Casing Removed			out
			BOR		AMPLES		VI				OF MATERIA		
Donth		I	e Depth		Blows on			- coarse					SPT "N
Depth Scale	Sample		t.)	Type / Sample	Sampler	Depth of Change	.	medium		and - 35 to	50% / some - 20 to 35	%	or
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)		- fine			20% / trace - 0 to 109		RQD %
0	1A	0.0	0.6	SS/16	4-WH-2-1		Topsoil an	d Organic	Mate	rial (moist)			2
	1B	0.6	2.0			[Brown SII	T, little C	CLAY,	trace fine SANI	O (moist, soft)		
1													
								_					
2	2	2.0	4.0	SS/15	1-4-3-4		Brown SIL	T, trace C	CLAY	(wet, medium st	iff)		7
2													
3													
4	3	4.0	6.0	SS/11	7-7-6-5		Similar as	obove (w	at ctiff)			13
4	3	4.0	0.0	33/11	7-7-0-3	Similar as above (wet, stiff))			13
5													
6	4	6.0	8.0	SS/14	4-5-4-4		Similar as	above (we	et, stiff)			9
7													
	_		0.6	~~/-					2~				
8	5	8.0	8.6	SS/7	5-50@1"					ND, trace CLA	(wet, hard)		50+
9							Augers like	e Cobble l	beginn	ing @ 8.5'			
9													
10	ł												
10													
11	6	11.0	11.0	SS/0	50@0"		Split Spoor	n and Aug	er Ref	usal @ 11.0'			50+
					O		Bottom of						
12													
13													
1 4													
14													
15													
13													
16													
-													
17													
18													
19													
20	ļ												

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod Remarks:

Test Boring Logs - Page 159 of 201

, tttaoriii	0111110	<u></u>	portre	arribor.	20002D-04-0724	1					est borning Logs	i ago i	00 01 201
				6035 Co	orporate Drive	SI	IBSURF	ACE EX	PL (ORATION	Boring No.	B-	629
		IV		East Syr	racuse, NY 13057						Page No.	1 (of 2
	Ass	ociates	s, Inc.	Phone:	315-701-0522		IESI	BORI	1 G.	LUG	Project No.	28	062
Project	Name:	Micror	n Camp	us, Clay,	New York						Date Started	05/0)1/24
Client:		Rambo	oll								Date Finished	05/0)1/24
Location	n:	See Ex	ploration	on Locati	on Plan						Surface Elev.	38	3.3'
		ME	THO	DS OF	INVESTIGATIO	N			GR	ROUNDWATER	OBSERVAT	IONS	
Driller:		H. Lyo	n		Casing:	3 ¼" ID	H.S.A.	Date		Time	Depth (Ft.)	Cosing	At (Ft.)
Driller:		K. Cra	ndall		Casing Hammer:			Date		Time	Depth (Ft.)	Casing	At (Ft.)
Inspecto		C. O'H	ara		Other:			05/01/24		While Drilling	3.4	8	3.0
Drill Ri	g:	CME 4	15		Soil Sampler:	2" OD S	Split Barrel	05/01/24		ore Casing Removed	9.0	2:	3.7
Type:		ATV			Hammer Wt:	140 lbs.		05/01/24		er Casing Removed	8.0	C	out
Rod Siz		AWJ			Hammer Fall:	30 in.		05/01/24		er Casing Removed	caved @ 15.9		out
	LO	G OF	BOR	ING SA	AMPLES		VI	SUAL C	LAS	SIFICATION C)F MATERIA	L	
Depth		Sample	Depth	Tyma /	Blows on	Depth of	c -	coarse					SPT "N"
Scale	Sample		t.)	Type / Sample	Sampler	Change		medium		and - 35 to 50	0% / some - 20 to 359	%	or
(Feet)	No.	From	To	Rec. (in.)	Per 6 Inches	(Ft.)		- fine			20% / trace - 0 to 10%	6	RQD %
0	1A	0.0	0.5	SS/15	1-WH-2-4	l				erial (moist)			2
	1B	0.5	2.0			I				, trace fine SAND	, trace ORGANI	C	
1							MATERIA	L (moist,	soft)				
2	2	2.0	4.0	SS/13	4-4-4		Brown SIL	T, trace C	LAY	(moist, stiff)			8
3													
4	3	4.0	6.0	SS/17	6-10-8-7		Similar as	above (we	t, vei	ry stiff)			18
						Similar as above (wet, very stiff)							
5													
6	4	6.0	8.0	SS/16	5-6-6-7			T, trace C	LAY	, trace fine GRAV	EL, trace cmf SA	AND	12
							(wet, stiff)						
7													
8	5	8.0	10.0	SS/18	5-7-8-7		Brown/Gre	ey SILT, ti	race (CLAY (moist, very	stiff)		15
9													
10													
10													
11													
11													
12													
12													
13	6	13.0	15.0	SS/14	WH-2-3-2		Gray CII T	little CI	AV 6	wet, medium stiff)			5
13	0	13.0	13.0	33/14	W ∏-∠-3-∠		Gley SIL1	, mue CL	A1 (wet, medium sum)			3
14													
14													
15													
13													
16													
17						 							
18	7	18.0	20.0	SS/15	1-1-1-2		Grey CLA	Y, little Sl	LT. 1	trace cmf SAND, tr	race fine GRAVI	EL (wet.	2
	, .				-		soft)	,	-,	, •		(0,	
19							-9						
20	f					I	la	ъ о					

20 Continued on Page 2
SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod
Remarks:

6035 Corporate Drive
East Syracuse, NY 13057

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-629

 Page No.
 2 of 2

 Project No.
 28062

	Ass	ociate	s, Inc.	Phone:	315-701-0522		TEST BORING I	LUG	Project No.	2800	62
					AMPLES	1	VISUAL CLASS	SIFICATION (
Dorth			e Depth		Blows on	1_					SPT "N"
Depth Scale	Sample		t.)	Type / Sample	Blows on Sampler	Depth of Change	c - coarse m - medium	and - 35 to 50	0% / some - 20 to 35%		or
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)	f - fine		20% / trace - 0 to 10%		RQD %
20							Continued from Page 1				
21	8A	20.0	20.3	SS/8	3-9-7-10		Similar as above (moist, v		T (CCAND		16
21	8B	20.3	22.0				Grey CLAY, some cmf GI (wet, very stiff)	KAVEL, little SIL	1, trace cmt SAND		
22							(wet, very still)				
23							Augers like Rock starting	@ 23.1'			
2.4	9	23.7	23.9	SS/1	50@2"		Black SHALE Fragments	c 16 22 21			50+
24							Split Spoon and Auger Rep Bottom of Boring @ 23.9'				
25	1						Bottom of Boring (# 23.9				
26											
27											
27											
28											
29											
30	1										
30											
31											
32											
33											
33											
34											
	1										
35											
36											
30											
37											
38											
39											
37											
40	1										
41											
42											
74											
43											
44											
45	1										

Test Boring Logs - Page 161 of 201

					orporate Drive	SU	JBSURFA	ACE EX	KPL(ORATION	Boring No.		630
	1		lu -	-	racuse, NY 13057			BORI			Page No.		of 2
		ociates	-5	r momer :	315-701-0522		1101	DOM		200	Project No.		3062
Project	Name:			us, Clay,	New York						Date Started		29/24
Client:		Rambo									Date Finished		29/24
Location	n:			on Locati							Surface Elev.		31.7'
		ME	THO	DS OF	INVESTIGATIO	N			GF	ROUNDWATER	OBSERVAT	IONS	
Driller:		Gary R	tichards	3	Casing:	3 ¼" ID	H.S.A.	Date		Time	Depth (Ft.)	Cosino	At (Ft.)
Driller:		John V	Vinks		Casing Hammer:						Depth (Ft.)	,	, , ,
Inspecto					Other:	NQ-Cor	re	04/29/24		While Drilling	4.1	1	4.0
Drill Ri	g:	CME 5	55		Soil Sampler:	2" OD S	Split Barrel	04/29/24	Befo	ore Casing Removed	2.2	2	2.0
Type:		ATV			Hammer Wt:	140 lbs.		04/29/24	Afte	er Casing Removed	2.2	C	out
Rod Siz	e:	AWJ			Hammer Fall:	30 in.		04/29/24	Afte	er Casing Removed	caved @ 14.0	C	out
	LO	G OF	BOR	ING SA	AMPLES		VI	SUAL C	LAS	SIFICATION C	F MATERIA	L	
Depth		Sample	Depth		Blows on		C.	- coarse					SPT "N"
Scale	Sample		t.)	Type / Sample	Sampler	Depth of Change		medium		and - 35 to 50	% / some - 20 to 35	%	or
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)		- fine			0% / trace - 0 to 109		RQD %
0	1	0.0	2.0	SS/5	WH-WH-2-4		Brown SIL	T, little c	mf Sz	AND, trace woody			
							(moist, sof			•			
1													
2	2	2.0	4.0	SS/15	7-6-6-6		Brown/Gre	y SILT, t	AND (wet, stiff))	12		
3													
4	3	4.0	6.0	SS/17	6-5-7-6		Similar as	above (we	et, sti			12	
									, -				
5													
6	4	6.0	8.0	SS/17	5-6-7-11		Similar as	above (we	et, sti	ff)			13
									-	•			
7													
8	5	8.0	10.0	SS/14	6-8-8-7		Brown SIL	T, trace f	ine S.	AND (wet, very sti	ff)		16
								,		, , , , , ,	,		
9													
10													
11													
12													
13													
14	6	14.0	15.5	SS/14	WH-1-4		Brown SII	T. little fi	ine S	AND, trace CLAY	(wet, very soft)		1
		`	10.0	~~,11	.,111 1			, 110010 11	51	, nace CD/11	(, 101)		
15						<u> </u>							
15	7	15.5	17.5	SS/15	WH-WH-2-2		Brown CLAY some SILT trace cmf SAND trace mf GR					VEL.	2
16	,	15.5	17.5	55/15	***************************************		Brown CLAY, some SILT, trace cmf SAND, trace mf GRA (wet, soft)				, auce im Giva	, 111	
10							(wet, soft)						
17						·							
1 /	8	17.5	19.5	SS/15	16-6-9-15		Brown cmf GRAVEL some SILT little CLAV little cmf SAND					AND	15
18	O	11.3	17.3	33/13	10-0-7-13		Brown cmf GRAVEL, some SILT, little CLAY, little cmf SAND (wet, medium compact)					13	
10							(wet, medium compact)						
19													
19													
							I						

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

CVE Associates, Inc. 6035 Corporate Drive
East Syracuse, NY 13057

SUBSURFACE EXPLORATION TEST BORING LOG

Boring No. B-630

Page No. 2 of 2

Project No. 28062

	Associates, Inc. Phone: 315-701-0522						TEST DOKING		Project No.	28062	2
	LOG OF BORING SAMPLES						VISUAL CLAS	SIFICATION (OF MATERIAL	1	
Depth Scale (Feet)	Sample No.		e Depth (t.)	Type / Sample Rec. (in.)	Blows on Sampler Per 6 Inches	Depth of Change (Ft.)	c - coarse m - medium f - fine		0% / some - 20 to 35% 20% / trace - 0 to 10%		PT "N" or QD %
20	110.	Troil	10	rec. (iii.)	Tel o menes	(11.)	Continued from Page 1	nuc 1980	20/07 trace of to 10/0		<u>QD 70</u>
22	9 R-1	22.0 22.0	22.0 27.0	SS/0 C/57	50@0" NQ-Core		Spoon Refusal @ 22.0' - s Grey DOLOSTONE with	et up to core interbedded SHA	LE (<1/8" - 2.0" th		50+ 72%
23							slightly weathered, thinly hard to hard.	laminated to medi	um bedded, mediu		
24	1						Weathered broken and fra Recovery: 57"/60" = 95% RQD: 43"/60" = 72%		thick) @ 22.8'.		
26							11 Pieces, 1" Chips and Fi 1:20 min/ft, no water loss	ragments			
27	R-2	27.0	32.0	C/57	NQ-Core		Coring conducted in 4th gear, 1700 rpm, 700 psi down pressure. Grey DOLOSTONE with interbedded SHALE (<1/8" - 1/4" thick) slightly weathered, thinly laminated to medium bedded, hard.				95%
28							SILT seam (1/8" thick) @ 29.3'. Recovery: 57"/60" = 95%				
29							Recovery: 57"/60" = 95% RQD: 57"/60" = 95% 10 Pieces, 0" Chips and Fragments 57 sec/ft, no water loss				
30							57 sec/ft, no water loss Coring conducted in 4th g	ear, 1700 rpm, 70	00 psi down pressu	re.	
32							Bottom of Boring @ 32.0'				
33							•				
34											
35											
36											
37 38											
39											
40											
41											
42											
43											
44											

											D • • •		(24
		6035 Corporate Drive SUBSURFACE EXPLORA									Boring No.		631
			جا		racuse, NY 13057			BORI			Page No.		of 2
	Ass	ociates	s, Inc.	Phone: 3	315-701-0522		11231	DOM	· VO	LOG	Project No.	28	062
Project	Name:	Micror	ı Camp	us, Clay,	New York						Date Started	04/3	30/24
Client:		Rambo	oll								Date Finished	04/3	30/24
Location	n:	See Ex	ploration	on Locati	on Plan						Surface Elev.	38	4.5'
		ME	THO	DS OF	INVESTIGATIO	N			GF	ROUNDWATER	OBSERVAT	IONS	
Driller:		H. Lyo	n		Casing:	3 ¼" ID	H.S.A.	D 4		m·	D (1 (E())	G :	A ((TE()
Driller:		K. Cra	ndall		Casing Hammer:			Date		Time	Depth (Ft.)	Casing	At (Ft.)
Inspecto	or:	C. O'H	ara		Other:			04/30/24		While Drilling	5.7	1	3.0
Drill Ri	g:	CME 4	15		Soil Sampler:	2" OD S	Split Barrel	04/30/24	Befo	ore Casing Removed	6.0	2	5.7
Type:		ATV			Hammer Wt:	140 lbs.		04/30/24	Aft	er Casing Removed	8.8	C	out
Rod Siz	e:	AWJ			Hammer Fall:	30 in.		04/30/24	Aft	er Casing Removed	caved @ 12.5	C	out
	LO	G OF	BOR	ING SA	AMPLES		VI	SUAL C		SSIFICATION C	F MATERIA	L	
Daniel		Sample	e Depth		D1								CDT "NI"
Depth Scale	Sample	_		Type / Sample	Blows on Sampler	Depth of		coarse medium		and - 35 to 50	% / some - 20 to 35°	%	SPT "N" or
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	Change (Ft.)		- fine			0% / trace - 0 to 109		RQD %
0	1A	0.0	0.6	SS/17	1-1-1-3	,			Mat	erial (moist)			2
	1B	0.6	2.0	,		ļ				, trace mf SAND (moist, soft)		-
1								,		(, -)		
-													
2	2	2.0	4.0	SS/14	3-4-4-5		Brown/Gre	v SILT. li	ittle (CLAY (moist, stiff)			8
_	_			22/11	5			,, 2121, 11		· 2111 (1110104)			Ü
3													
4	3	4.0	6.0	SS/16	6-3-2-4	Similar as above (wet, medium stiff)						5	
	3	4.0	0.0	55/10	0 3 2 4	Similar as above (wet, medium stiff)							3
5													
6	4	6.0	8.0	SS/17	5-6-7-8		Brown SII	T trace C	Τ Δ Τ	(moist, stiff)			13
	_	0.0	0.0	55/17	3-0-7-0		DIOWILDIL	i, nace C		(1110131, 31111)			13
7													
,													
8	5	8.0	10.0	SS/20	6-7-7-8		Similar as	ahove (we	t eti	ff)			14
	3	0.0	10.0	55/20	0-7-7-0		Sillillai as	above (we	,, 511	11)			17
9													
10													
10													
11													
11													
12													
12													
12		12.0	15.0	00/13	2 4 4 2		D#0 011	т с	C	AND 4 OHT (at at:60		0
13	6	13.0	15.0	SS/13	3-4-4-2		Brown SIL	1, trace fi	ine S	AND, trace SILT (wei, siiii)		8
1.4													
14													
1.5													
15													
1.0													
16													
17						ļ - -							
1.0	_	100	20.0	00111	W						- , a~:-	ID (
18	7	18.0	20.0	SS/16	WH-1-2-1			Y, little SI	LT,	trace fine GRAVEI	_, trace cmf SAN	ND (wet,	3
1.5							soft)						
19													
2.5													
20							Continued	am Daga 2					

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

CME Associates, Inc.

6035 Corporate Drive East Syracuse, NY 13057 Phone: 315, 701, 0522

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-631

 Page No.
 2 of 2

 Project No.
 28062

	Ass	ociate	s, Inc.	Phone:	315-701-0522		TEST BORING I	LUG	Project No. 2	8062		
					AMPLES	1	VISUAL CLAS	SIFICATION (OF MATERIAL			
Depth		1	e Depth		Blows on	1				SPT "N"		
Scale	Sample		t.)	Type / Sample	Sampler	Depth of Change	m - medium	and - 35 to 50	0% / some - 20 to 35%	or		
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)	f - fine		20% / trace - 0 to 10%	RQD %		
20	8	20.0	22.0	S/24	WH-1-5-8		Continued from Page 1 Brown/Red CLAY, little S	SILT, trace mf GR	AVEL, trace cmf SAND	6		
21						ļ	(wet, medium stiff) Augers gravelly beginning	g @ 21.1'				
22												
23	9	23.0	25.0	SS/5	5-7-10-12		Grey cmf GRAVEL, some compact)	e cmf SAND, trace	e SILT (wet, medium	17		
25	<u>.</u>											
26	10	25.7	25.7	SS/0	50@0"		Black SHALE Fragments in tip of spoon. Split Spoon and Auger Refusal @ 25.7'					
27							Refusal @ 25.7' Bottom of Boring @ 25.7'					
28												
29												
30	1											
31												
32												
33												
34												
35	1											
36												
37												
38												
39												
40												
41												
42	42											
43												
44												
45						1						

Test Boring Logs - Page 165 of 20

		6035 Corporate Drive SUBSURF							XPL(ORATION	Boring No.	B-	632
		VIV	East Syracuse, NY 13057 Phone: 315-701-0522 East Syracuse, NY 13057 TEST BORING LO								Page No.		of 2
						1	11701		1101		Project No.		3062
Project	Name:			us, Clay,	New York						Date Started		30/24
Client:		Rambo									Date Finished		30/24
Locatio	n:		_	on Locati				1		-	Surface Elev.		33.8'
					INVESTIGATIO				GR	OUNDWATER	R OBSERVAT	IONS	
Driller: Driller:			Fletcher Casatell		Casing: Casing Hammer:	3 ¼" ID	H.S.A.	Date		Time	Depth (Ft.)	Casing	g At (Ft.)
Inspect	or:	•			Other:	NQ-Co	re	04/30/24	,	While Drilling	7.7	1	3.5
Drill Ri	g:	CME 5	55		Soil Sampler:	2" OD 5	Split Barrel	04/30/24		re Casing Removed	None Noted	3	2.0
Type:		ATV			Hammer Wt:	140 lbs.	•	04/30/24		r Casing Removed	5.3	Ó	out
Rod Siz		AWJ			Hammer Fall:	30 in.		04/30/24		r Casing Removed	caved @ 17.6		out
	LO	G OF	BOR	ING SA	AMPLES		VI	SUAL C	LAS	SIFICATION (OF MATERIA	L	
Depth		Sample	e Depth	Type /	Blows on	Depth of	, c.	- coarse					SPT "N"
Scale	Sample	(F	řt.)	Sample	Sampler	Change	•	medium		and - 35 to 50	0% / some - 20 to 35	%	or
(Feet)	No.	From	To	Rec. (in.)	Per 6 Inches	(Ft.)	f	- fine			20% / trace - 0 to 10°	%	RQD %
0	1A	0.0	0.5	SS/16	1-1-1-4	 				rial (moist)			2
	1B	0.5	2.0					•	ittle C	CLAY, trace ROO	TS, trace fine SA	ND	
1							(moist, stif	f)					
_	_			a~ /				. ن					
2	2	2.0	4.0	SS/22	4-5-7-6		Brown/Gre	ey mottled	I SILT	, trace CLAY (mo	oist, stiff)		12
3													
4		4.0	(0	00/5	4564		D CII	т 1'и1 с	T A 37	4 CODANI	CCA	ND	1.1
4	3	4.0	6.0	SS/5	4-5-6-4			1, little C	LAY,	, trace mf GRAVI	EL, trace cmf SA	ND	11
-	ł						(wet, stiff)						
5													
6	4	6.0	8.0	SS/14	6-7-8-7		Drown CII	Т соте	omf G	RAVEL, trace cm	of SAND (west we	3 23 7	15
O	4	0.0	0.0	33/14	0-7-0-7		stiff)	1, some	cilli G	KAVEL, trace cili	ii SAND (wei, ve	51 y	13
7							Suii)						
,													
8	5	8.0	10.0	SS/19	3-3-5-5		Brown SIL	T. trace C	CLAY	, trace fine SAND	(wet, stiff)		8
								,		,	(,)		
9													
10	1												
11													
						1							
12													
13	_			a~ /:-				arr = :	••	~			
	6	13.5	15.0	SS/17	3-2-2			ey SILT, l	ıttle C	CLAY, trace fine S	SAND (wet, med	ıum	4
14							stiff)						
1.5	1												
15													
1.6													
16						1							
17													
1 /						}	-						
18													
10	7	18.5	20.0	SS/12	6-5-7	5-7 Grey cmf SAND and SILT, some mf GRAVEL (wet, medium						12	
19	′	compact)									12		
20	1					1	Continued	on Page	,				

20 Continued on Page 2 SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

6035 Corporate Drive East Syracuse, NY 13057

SUBSURFACE EXPLORATION **TEST BORING LOG**

Boring No. B-632 Page No. 2 of 2 Project No. 28062

	Associates, Inc. Phone: 315-701-0522						TEST DOKING		Project No.	28062	
	LOG OF BORING SAMPLES						VISUAL CLAS	SIFICATION (OF MATERIAL	1	
Depth Scale (Feet)	Sample No.	Sample (F From	Depth t.)	Type / Sample Rec. (in.)	Blows on Sampler Per 6 Inches	Depth of Change (Ft.)	c - coarse m - medium f - fine		0% / some - 20 to 35% 20% / trace - 0 to 10%	SPT or RQE	
2021222324	R-1	22.0	27.0	C/60	NQ-Core	Continued from Page 1 Auger Refusal @ 22.0' - Set up to core. Grey DOLOSTONE with interbedded SHALE layers (1/8" - 1.0" thick), slightly weathered, laminated to thinly bedded, medium hard to hard. Weathered and broken zone (1/2" thick) @ 23.1'. Recovery: 60"/60" = 100% RQD: 57"/60" = 95%					
25 26 27 28 29	R-1	27.0	32.0	C/56	NQ-Core	Recovery: 60"/60" = 100% RQD: 57"/60" = 95% 11 Pieces, 0" Chips and Fragments 1:15 min/ft, no water loss Coring conducted in 4th gear, 1700 rpm, 700 psi down pressure. Grey DOLOSTONE with interbedded SHALE layers (~1/4" thick), slightly weathered, laminated to thickly bedded, hard. Weathered fractures @ 27.4' and 27.6'. Recovery: 56"/60" = 93% RQD: 52"/60" = 87% 8 Pieces, 3" Chips and Fragments					
30 31 32							1:00 min/ft, no water loss Coring conducted in 4th g Bottom of Boring @ 32.0		00 psi down pressu	ire.	
33 34											
35											
36 37											
38											
39 40											
41											
42 43											
44 45											

Test Boring Logs - Page 167 of 201

/ tttaoriiii	one to C	TVIL I C	POILIN	arriber. A	20002D-04-0724						est borning Logs	i age i	07 01 201
				6035 Cd	orporate Drive	CI	IRSHDE	ACE EX	Дет 4	ORATION	Boring No.	B-	633
		IV		East Sy	racuse, NY 13057						Page No.	1 (of 2
	Asso	ciates	s, Inc.	Phone:	315-701-0522		1ES1	BORI	NG.	LUG	Project No.	28	062
Project	Name:	Micror	Camp	us, Clay,	New York	•					Date Started	04/3	30/24
Client:		Rambo	_								Date Finished		30/24
Location	1:	See Ex	ploratio	on Locati	on Plan						Surface Elev.		0.9'
		ME	THO	DS OF	INVESTIGATIO	N			GF	ROUNDWATER	OBSERVAT	IONS	
Driller:		H. Lyo			Casing:	3 ¼" ID	H.S.A.	Date		Time	Depth (Ft.)	Casina	At (Ft.)
Driller:		K. Cra			Casing Hammer:								, ,
Inspecto		C. O'H			Other:			04/30/24		While Drilling	4.9		3.0
Drill Ri	g:	CME 4	15		Soil Sampler:		Split Barrel	04/30/24		ore Casing Removed	4.5		1.5
Type:		ATV			Hammer Wt:	140 lbs.		04/30/24		er Casing Removed	3.7		out
Rod Size		AWJ	DAD	DIC C	Hammer Fall:	30 in.	X 7 T	04/30/24		er Casing Removed	caved @ 9.0		out
<u> </u>	LO			ING SA	AMPLES	1	VI	SUAL C	LAS	SSIFICATION C	OF MATERIA	L	ı
Depth			Depth	Type /	Blows on	Depth of		coarse					SPT "N"
Scale	Sample			Sample	Sampler	Change		medium			% / some - 20 to 35		or
(Feet)	No.	From 0.0	To 0.5	Rec. (in.) SS/14	Per 6 Inches WH-1-2-5	(Ft.)		- fine	Mat	erial (moist)	0% / trace - 0 to 109	/0	RQD %
0	1A 1B	0.0	2.0	SS/14	vv Π-1-∠-Э	 				erial (moist) 7, trace fine SAND	(moist soft)		3
1	מו	0.0	2.0				ווא וואסום	i, uace C	, a acc mic SAND	(1110151, 5011)			
1													
2	2	2.0	4.0	SS/16	5-4-5-5		Brown SII	T, trace C	LAY	(moist, stiff)			9
-	_				5.55			.,		()			
3													
4	3	4.0	6.0	SS/15	4-5-6-6	Brown SILT, trace CLAY (moist, stiff) Similar as above (wet, stiff)							11
								`					
5	•												
6	4	6.0	8.0	SS/21	4-5-6-5		Similar as	above (we	et, sti	ff)			11
7													
	_	0.0	100	00/00			G: '1	1 /		00			
8	5	8.0	10.0	SS/20	4-4-5-5		Similar as	above (we	et, sti	II)			9
9													
10													
10													
11													
'1							Augers gra	ivelly hear	innin	g @ 11.5'			
12						ļ		0081		0 ~			
13	6	13.0	15.0	SS/9	5-3-14-13		Red/Brown	n SILT, lit	tle m	of GRAVEL, little (CLAY, trace cm	f SAND	17
							(wet, very			,	•		
14								,					
15													
16													
						ļ							
17													
10	7	10.0	20.0	00/17	7 11 10 20		Cmarrie Co	D A VIDT		a amfCAND	CII T (di	21
18	7	18.0	20.0	SS/16	7-11-10-30			JKAVEL,	som	e cmf SAND, some	e SILI (wet, med	uıum	21
19							compact)						
17													
20							Continued	on Page 2	,				

20 | Continued on Page 2 SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Attachment to CME Report Number: 28062B-04-0724

Test Boring Logs - Page 168 of 201

6035 Corporate Drive
East Syracuse, NY 13057

Phone: 315-701-0522

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-633

 Page No.
 2 of 2

 Project No.
 28062

	Ass	ociate	s, Inc.	Phone:	315-701-0522		LEST BURING I	JUG	Project No.	28	062
					AMPLES		VISUAL CLASS	SIFICATION (OF MATERIAL		
Depth Scale (Feet)	Sample No.	Sample	e Depth	Type / Sample Rec. (in.)	Blows on Sampler Per 6 Inches	Depth of Change (Ft.)	c - coarse m - medium f - fine	and - 35 to 50	0% / some - 20 to 35% 20% / trace - 0 to 10%		SPT "N" or RQD %
20	1,0,	110111	10	reer (iii)	T OF O MONOS	(111)	Continued from Page 1	1000	20,0,0,000		1142 //
21											
22	8	21.5	21.7	SS/1	50@2"		Grey SHALE Fragments Split Spoon and Auger Re	fusal @ 21.7'			50+
23							Bottom of Boring @ 21.7'				
24											
25											
26											
27											
28											
29											
30											
31											
32											
33											
35											
36											
37											
38											
39											
40	1										
41											
42											
43											
44											
45	1										

Test Boring Logs - Page 169 of 201 ttachment to CME Report Number: 28062B-04-0724 Boring No. B-664 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 2 **TEST BORING LOG** Associates, Inc. Phone: 315-701-0522 Project No. 28062 04/24/24 **Date Started** Project Name: Micron Campus, Clay, New York **Client:** Ramboll **Date Finished** 04/24/24 Surface Elev. 389.8' Location: See Exploration Location Plan METHODS OF INVESTIGATION **GROUNDWATER OBSERVATIONS Driller:** Beau Fletcher Casing: 3 1/4" ID H.S.A. **Date** Time Depth (Ft.) Casing At (Ft.) **Driller:** Ryan Casatelli **Casing Hammer:** While Drilling NQ-Core 04/24/24 13.2 18.5 Inspector: Other: Drill Rig: 2" OD Split Barrel 04/24/24 Before Casing Removed None Noted 30.1 CME 55 Soil Sampler: ATV 04/24/24 After Casing Removed 6.0 * Type: Hammer Wt: 140 lbs. out **Rod Size:** AWJ Hammer Fall: 30 in. 04/24/24 After Casing Removed caved @ 17.0 out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35% Sample Change RQD % From То Per 6 Inches little - 10 to 20% / trace - 0 to 10%(Feet) No. (Ft.) f - fine Rec. (in.) 1**A** 0.5 SS/18 WH-1-1-2 Topsoil and Organic Material (moist) 0.0 2.0 Brown SILT, trace CLAY, trace fine SAND, trace ORGANIC 1B 0.5 1 MATERIAL (moist, soft) 2 2 2.0 SS/22 6-5-4-4 Brown/Grey mottled SILT, trace CLAY (moist, stiff) 9 4.0 3 4 3 4.0 6.0 SS/16 2-3-3-4 Brown CLAY, some SILT (moist, medium stiff) 6 5 4 6.0 8.0 SS/18 4-4-4-3 Brown/Grey SILT, little CLAY (wet, stiff) 8 6 7 10.0 8 5 8.0 SS/20 2-2-2-2 Brown SILT, trace CLAY (wet, medium stiff) 4 10 11 12 13 7 6 13.5 15.0 SS/18 3-3-4 Brown SILT, trace CLAY (wet, medium stiff) 14

Grey SILT and cmf GRAVEL, little CLAY, trace cmf SAND (wet,

12

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

stiff)

Continued on Page 2

2-4-8

Remarks: * Water added to boring for coring.

20.0

SS/18

15

16

17

18

19

7

18.5

CVE Associates, Inc.

6035 Corporate Drive East Syracuse, NY 13057 Phone: 315-701-0522

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-664

 Page No.
 2 of 2

 Project No.
 28062

	Associates, Inc. Phone: 315-701-0522						TEST BURING	LUG	Project No.	28	062
	LO	G OF	BOR	ING SA	AMPLES		VISUAL CLAS	SIFICATION (OF MATERIAL		
Depth Scale (Feet)	Sample No.	Sample	e Depth	Type / Sample Rec. (in.)	Blows on Sampler Per 6 Inches	Depth of Change (Ft.)	c - coarse m - medium f - fine	and - 35 to 50	0% / some - 20 to 35% 20% / trace - 0 to 10%	,	SPT "N" or RQD %
20				()		()	Continued from Page 1		3 00 13/0		ξ= / "
21											
22											
23				~~/4.5							
24	8	23.5	25.0	SS/15	23-13-50		Dark Grey SILT, some cn Fragments (Shale), trace c				63
25	, ,	0.5.1	20.1	G/50	No G		Auger Refusal @ 25.1'. Set up to Core. Grey DOLOSTONE with interbedded SHALE layers (<1/8" - 1.0"			000/	
26	R-1	25.1	30.1	C/59	NQ-Core		•	d, thinly laminated to medium bedded, hard. acture @ 25.5'.			80%
27							Recovery: $59''/60'' = 98\%$				
28							RQD: 48"/60" = 80% 14 Pieces, 0" Chips and Fi 1:00 min/ft, no water loss	ragments			
29							, and the second	4th gear, 1500 rpm, 700 psi down pressure.			
30	R-2	30.1	35.1	C/59	NQ-Core			th interbedded SHALE layers (<1/8" - 1.0"			93%
31							thick), slightly weathered, Weathered and broken zon Recovery: 59"/60" = 98%	thinly laminated to thickly bedded, hard. one (1/2" thick) @ 30.3'.			
32							RQD: 56"/60" = 93% 9 Pieces, 0" Chips and Fra				
33							1:00 min/ft, no water loss				
34							Coring conducted in 4th g	rear, 1500 rpm, 70	00 psi down pressi	ure.	
35	1						Bottom of Boring @ 35.1'				
36											
37											
38											
39											
40											
41											
43											
44											
45	1										

				6035 C	orporate Drive	SI	IRSURF.	ACE EX	ZPI.	ORATION	Boring No.	В-	666
		V	Ę	-	racuse, NY 13057			Γ BORI			Page No.		of 1
		ociate		1 Honer	315-701-0522		ILS	I DOKI	NG	LUG	Project No.	28	062
Project	Name:			us, Clay,	New York						Date Started		06/24
Client:		Rambo									Date Finished		06/24
Locatio	n:		_	on Locati		3 T		ı	- CT		Surface Elev.		9.1'
D 111				DS OF	INVESTIGATIO		TI C A		Gh	ROUNDWATER	OBSERVAT	TONS	
Driller: Driller:		H. Lyc K. Cra			Casing Hamman	3 ¼" ID	H.S.A.	Date		Time	Depth (Ft.)	Casing	At (Ft.)
Inspect		C. O'H			Casing Hammer: Other:			05/06/24		While Drilling	4.0	6	0.0
Drill Ri		CME 4			Soil Sampler:	2" OD S	Split Barrel	05/06/24		ore Casing Removed	2.8		0.2
Type:	5 '	ATV	10		Hammer Wt:	140 lbs.	_	05/06/24		er Casing Removed	2.5		ut
Rod Siz	e:	AWJ			Hammer Fall:	30 in.		05/06/24		er Casing Removed	caved @ 5.2	O	ut
	LO	G OF	BOR	ING SA	AMPLES		VI	SUAL C		SSIFICATION C	F MATERIA	L	
Depth		Sample	e Depth		Blows on			- coarse					SPT "N"
Scale	Sample	_	čt.)	Type / Sample	Sampler	Depth of Change		medium		and - 35 to 50	% / some - 20 to 35	%	or
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)		- fine			0% / trace - 0 to 109		RQD %
0	1A	0.0	0.3	SS/10	1-WH-2-3					erial (moist)			2
	1B	0.3	2.0			[Brown SIL	T, trace C	CLAY	Y, trace fine SAND	(moist, soft)		
1													
2	2	2.0	4.0	SS/11	3-3-3-2		Dansum CII	T two as (71 A X	V trace of CDAVE	I two as small CA	ND	6
2	2	2.0	4.0	33/11	3-3-3-2		(moist, me			Y, trace mf GRAVE	EL, trace cini SA	IND	O
3							(moist, me	ululli Silli	,				
3							Augers like	e Cobble l	heoin	ning @ 3.5'			
4	3	4.0	6.0	SS/7	7-7-21-24		~		_	nf GRAVEL, trace	cmf SAND, trac	e CLAY	28
			0.0	22.,	, , 21 2 .		(moist, ver	•		era 1 · 2 2 ,e	· · · · · · · · · · · · · · · · · · ·		
5							,	,					
6	4	6.0	8.0	SS/4	22-18-20-30			ey cmf GR	RAVE	EL and SILT, trace	cmf SAND (mo	ist,	38
							compact)						
7						ļ - -	Augers har	r <u>der begin</u>	ıning	@ 6.8'			
0	_	0.0	0.0	00/15	10 20 20 50 0 411		D CII	T. 1'44	CC	SDANIEL 4 C	CAND (' 4 1	1)	50
8	5	8.0	9.8	SS/15	18-20-30-50@4"		Brown SIL	zi, nuie c	mı G	RAVEL, trace cmf	SAND (moist, i	nara)	50
9							Augers like	e Rock he	ainni	ina @ 0 2'			
						·	Tugers und	t Rock beg	Surre	ng @ 7.2			
10	6	10.1	10.2	SS/0	50@1"		Black SHA	ALE Fragr	nents	s in tip of spoon			50+
								_		efusal @ 10.2'			
11							Bottom of						
12													
10													
13													
14													
17													
15	1												
16													
17													
10													ļ
18													
19													ļ
17													l
	ł	1	I	1		I	I						l l

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod Remarks:

											D · N	T-	((=
					orporate Drive	SU	UBSURF	ACE EX	PL	ORATION	Boring No.		-667
	Acc		lue		racuse, NY 13057		TEST	r BORI	NG 1	LOG	Page No.		of 1
		ociates	- 55		315-701-0522		11201	DOM	. 10		Project No.		3062
Project	Name:			us, Clay,	New York						Date Started		06/24
Client:		Rambo	oll								Date Finished	05/	06/24
Location	n:			on Locati							Surface Elev.		99.4'
		ME	THO	DS OF	INVESTIGATIO	N			GR	ROUNDWATER	OBSERVAT	TIONS	
Driller:		H. Lyc	n		Casing:	3 ¼" ID	H.S.A.	Date		Time	Depth (Ft.)	Cosine	g At (Ft.)
Driller:		K. Cra	ndall		Casing Hammer:			Date		Time	Depth (Ft.)	Casing	g Αι (Γι.)
Inspecto	or:	C. O'H	[ara		Other:			05/06/24		While Drilling	8.0	2	2.0
Drill Ri	g:	CME 4	45		Soil Sampler:	2" OD S	Split Barrel	05/06/24	Befo	re Casing Removed	10.2	1	0.8
Type:		ATV			Hammer Wt:	140 lbs.		05/06/24	Afte	er Casing Removed	6.5	(out
Rod Siz	e:	AWJ			Hammer Fall:	30 in.		05/06/24	Afte	er Casing Removed	caved @ 6.0	(out
	LO	G OF	BOR	ING SA	AMPLES		VI	SUAL C	LAS	SIFICATION C	F MATERIA	L	
D 4		ı	e Depth		I	1							CDT III III
Depth Scale	Sample		t.)	Type /	Blows on	Depth of		- coarse medium		and 25 to 50	1% / some - 20 to 35	0/	SPT "N"
(Feet)	No.	From	To	Sample Rec. (in.)	Sampler Per 6 Inches	Change (Ft.)		meaium - fine			10% / some - 20 to 33 10% / trace - 0 to 10		or RQD %
0	1A	0.0	0.4	SS/13	WR-WH-1-2	(11.)			Mate	erial (moist)	.0707 trace - 0 to 10	70	1 1
0	1B	0.0	2.0	33/13	W K- W II-1-2	h				Γ, little CLAY, trac	e fine SAND tr		1
1	110	0.4	2.0				ROOTS (n	•		i, iiiic CLAT, iiac	c line SAND, u	acc	
1							KOO15 (II	noist, soit)				
2	2	2.0	4.0	SS/14	2-2-3-4		Drown CII	T trace	יד א זי	(moist, medium s	4:ff)		5
		2.0	4.0	33/14	2-2-3-4		DIOWII SIL	i, nace C	LAI	(moist, medium s	u11)		3
,													
3													
,	_	4.0		00/15	7.006		D 011	T	T A T	CCAND	, CDA	T/IDI	1.6
4	3	4.0	6.0	SS/15	7-8-8-6			-	LAY	, trace cmf SAND	, trace fine GRA	VEL	16
	ļ						(moist, ver	y stiff)					
5													
				~~/-				~~~			20.13.		• •
6	4	6.0	8.0	SS/17	20-14-16-20			•	ome (emf GRAVEL, trac	ce cmf SAND, ti	race	30
							CLAY (mo						
7						ļ	Augers like	e <u>Cobble l</u>	pegini	ning @ 6.3'			
8	5	8.0	10.0	SS/18	19-36-41-50			ey mf GRA	AVEI	and SILT, little c	mf SAND (mois	st, very	77
							compact)						
9													
10							Augers har	rd @ 10.1	' .				
													69
11	6	10.8	11.8	SS/13	19-39-30-38		Grey cmf (GRAVEL,	little	cmf SAND, little	SILT (moist, ve	ry	
							compact)						
12													
13						1	Bottom of	Boring @	12.8	1		_	
14													
						1							
15													
16						1							
17													
						1							
18													
19													
20	İ												I

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod Remarks:

Test Boring Logs - Page 173 of 201

/ tttaoriiri	one to C	TVIL IXC	POILIN	umber. 2	200020-04-0724	,				<u>'</u>	est borning Logs	i age i	70 01 201
				6035 Co	orporate Drive	ST	IRSURE	ACE EX	PI 4	ORATION	Boring No.	B-	668
		V		East Syr	racuse, NY 13057						Page No.	1	of 2
	Ass	ociates	s, Inc.	Phone:	315-701-0522		IESI	BORI	NG.	LUG	Project No.	28	062
Project	Name:	Micror	Camp	us, Clay,	New York	•					Date Started)7/24
Client:		Rambo	oll								Date Finished	05/0)7/24
Location	n:			on Locati							Surface Elev.		9.5'
		ME	THO	DS OF	INVESTIGATIO	N			GR	ROUNDWATER	OBSERVAT	IONS	
Driller:		H. Lyo			Casing:	3 ¼" ID	H.S.A.	Date		Time	Depth (Ft.)	Casina	At (Ft.)
Driller:		K. Cra			Casing Hammer:						• ` ` ′	_	, ,
Inspecto		C. O'H			Other:			05/07/24		While Drilling	3.8		3.0
Drill Ri	g:	CME 4	15		Soil Sampler:		Split Barrel	05/07/24		ore Casing Removed	6.5		0.5
Type:		ATV			Hammer Wt:	140 lbs.		05/07/24		er Casing Removed	None Noted		out
Rod Siz		AWJ	DAD	INIC C	Hammer Fall:	30 in.	X 7T	05/07/24		er Casing Removed	caved @ 5.1		out
	LO	1		ING SA	AMPLES	-	VI	SUAL C	LAS	SIFICATION C	DF MATERIA	L	ı
Depth			Depth	Type /	Blows on	Depth of		coarse					SPT "N"
Scale	Sample		t.)	Sample	Sampler	Change		medium			% / some - 20 to 35		or
(Feet)	No.	From 0.0	To 0.4	Rec. (in.) SS/12	Per 6 Inches WH-1-3-5	(Ft.)		- fine	Mot	erial (moist)	0% / trace - 0 to 109	70	RQD %
U	1A 1B	0.0	2.0	33/12	w п-1-3-3	} -				eriai (moist) 7 (moist, medium si			4
1	110	0.4	2.0				SIL IIMOIGI	i, uace C	LAI	(moist, medium s	<i>)</i>		
1													
2	2	2.0	4.0	SS/13	3-4-6-5		Brown SII	T, little C	LAY	(moist, stiff)			10
~	_							, C		(
3													
4	3	4.0	6.0	SS/18	3-5-5-8		Brown SIL	T, trace C	CLAY	(moist, stiff)			10
								-		, , ,			
5													
6	4	6.0	8.0	SS/17	9-14-16-20		Similar as	above (mo	oist, l	nard)			30
7						ļ	<u> </u>						
8	5	8.0	9.8	SS/16	17-14-11-50@4"			T, little m	ıf GR	AVEL, trace cmf S	SAND (moist, ve	ery	25
							stiff)		, .				
9							Augered li	ke Cobble	begi	nning @ 8.8'			
10													
10													
11													
11							Augers gro	wally has	innin	a @ 11 5'			
12							Augers gro	iveny vegi	ririiri	g w 11.J			
12													
13	6	13.0	15.0	SS/10	10-12-7-12		Grev SILT	, some mf	GR	AVEL, little cmf SA	AND, trace CLA	Y (wet	19
13		15.0	15.0	55/10	10 12 /-12		very stiff)	, some m	JIV	I. DE, mue em 57	I.I., Hace CLA	(,,	17
14							, 51, 56111)						
15													
16													
17													
18	7	18.0	18.8	SS/9	38-50@4"		Grey SILT	, some mf	GRA	AVEL, little cmf SA	AND (wet, hard))	50+
						ļ	<u> </u>						
19													
20													
20	1	1			Ī	i	Continued	on Page 2	,				i l

20 | Continued on Page 2 SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Attachment to CME Report Number: 28062B-04-0724

Test Boring Logs - Page 174 of 201

6035 Corporate Drive
East Syracuse, NY 13057
Phone: 315-701-0522

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-668

 Page No.
 2 of 2

 Project No.
 28062

	Ass	ociate	s, Inc.	Phone:	315-701-0522		LEST BURING I	LUG	Project No.	28	062
					AMPLES		VISUAL CLAS	SIFICATION (
Depth		т —	e Depth		Blows on	ъ	c - coarse				SPT "N"
Scale	Sample		t.)	Type / Sample	Sampler	Depth of Change	m - medium	and - 35 to 50	0% / some - 20 to 35%		or
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)	f - fine		20% / trace - 0 to 10%		RQD %
20							Continued from Page 1				
	8	20.5	20.5	SS/0	50@0"		Black SHALE Fragments	in tip of spoon			50+
21							Split Spoon and Auger Re	fusal @ 20.5'			
							Bottom of Boring @ 20.5'				
22											
23											
23											
24											
] -											
25	İ										
26											
27											
20											
28											
29											
2)											
30	Ì										
31											
32											
22											
33											
34											
34											
35											
36											
37											
38											
20											
39											
40	ļ										
1											
41											
42											
43											
1											
44											
45]										
T 7	1	Ī	Ī		Ī	I	I				i l

Test Boring Logs - Page 175 of 201 Attachment to CME Report Number: 28062B-04-0724 Boring No. B-669 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 1 of 2 **TEST BORING LOG** Associates, Inc. Phone: 315-701-0522 Project No. 28062 **Date Started** 05/07/24 Project Name: Micron Campus, Clay, New York **Client:** Ramboll **Date Finished** 05/07/24 Surface Elev. 399.9' Location: See Exploration Location Plan **METHODS OF INVESTIGATION** GROUNDWATER OBSERVATIONS Driller: Beau Fletcher Casing: 3 1/4" ID H.S.A. **Date** Time Depth (Ft.) Casing At (Ft.) **Driller:** Ryan Casatelli **Casing Hammer:** While Drilling 23.2 NO-Core 05/07/24 None Noted Inspector: Other: Drill Rig: 2" OD Split Barrel 05/07/24 Before Casing Removed None Noted 23.2 CME 55 Soil Sampler: ATV 05/07/24 After Casing Removed 2.0 * Type: Hammer Wt: 140 lbs. out AWJ **Rod Size:** Hammer Fall: 30 in. 05/07/24 After Casing Removed caved @ 9.6 out LOG OF BORING SAMPLES VISUAL CLASSIFICATION OF MATERIAL Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35% Sample Change То RQD % No. From Per 6 Inches little - 10 to 20% / trace - 0 to 10%(Feet) Rec. (in.) (Ft.) f - fine 1**A** 0.0 1.0 SS/16 1-WH-3-4 Topsoil and Organic Material (moist) 0 Brown SILT, trace CLAY (moist, stiff) 1 1B 1.0 2.0 2 2 2.0 SS/20 Brown SILT, trace CLAY (wet, stiff) 9 4.0 4-4-5-4 3 3 SS/22 4 4.0 6.0 5-5-5-5 Brown SILT, trace CLAY (wet, stiff) 10 5 6 4 6.0 8.0 SS/15 4-4-5-7 Brown/Grey SILT, little cmf GRAVEL, trace cmf SAND (moist, 9 stiff) 7 8 5 8.0 10.0 SS/19 7-9-12-20 Brown/Grey SILT, little cmf GRAVEL, trace cmf SAND (moist, 21 very stiff) 9 10 11 12 13 Auger Refusal @ 13.2'. Set up to core. Grey DOLOSTONE with interbedded SHALE layers (<1/8"-2.0" R-1 13.2 18.2 C/59 NO-Core 80% 14 thick), slightly weathered, thinly laminated to thinly bedded, medium hard to hard. 15 Weathered zones (<1/8"-1/2" thick) @ 13.9', 14.1' and 14.8'. Recovery: 59''/60'' = 98%RQD: 48''/60'' = 80%16 29 Pieces, 1" Chips and Fragments 17 1:00 min/ft, no water loss Coring conducted in 4th gear, 1700 rpm, 700 psi down pressure. 80% 18 R-2 18.2 23.2 C/59NO-Core 18.2'-20.1': Grey DOLOSTONE with interbedded SHALE layers

(<1/8" - 1.0" thick), slightly weathered, thinly laminated to thinly

20.1'-23.2': Dark Grey SHALE with interbedded DOLOSTONE

bedded, medium hard to hard.

Continued on Page 2

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks: * Water added to boring for coring.

19

6035 Corporate Drive
East Syracuse, NY 13057
Phone: 315-701-0522

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-669

 Page No.
 2 of 2

 Project No.
 28062

	Associates, Inc. Phone: 315-701-0522 LOG OF BORING SAMPLES						TEST DOMING		Project No.	28	062
	LO	G OF	BOR	ING SA	AMPLES		VISUAL CLAS	SIFICATION (OF MATERIAL		
Depth Scale	Sample	(F	Depth	Type / Sample	Blows on Sampler	Depth of Change	c - coarse m - medium		0% / some - 20 to 35%		SPT "N" or
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)	f - fine	little - 10 to 2	20% / trace - 0 to 10%		RQD %
20							Continued from Page 1 layers (<1/8" - 1.0" thick).	, thinly laminated	to thinly bedded,		
21							medium hard to hard.	-	•		
22							Broken and fractured zone Weathered zone (1/4" - 1.		and 21.6' - 21.7'.		
							Recovery: $59''/60'' = 98\%$				
23							21 Pieces, 2" Chips and Fi				
24							1:00 min/ft, no water loss Coring conducted in 4th g		00 psi down pressur	·e.	
							Bottom of Boring @ 23.2				
25											
26											
27											
28											
29											
30											
31											
32											
33											
34											
35											
36											
37											
38											
39											
40	+										
41											
42											
43											
44											
45	1										

				6035 C	orporate Drive	CI	IDCIIDE		ZDI 4	ODATION	Boring No.	B-	-670
		IV		East Sy	racuse, NY 13057	30				ORATION	Page No.		of 1
	Ass	ociate	s, Inc.	-	315-701-0522		TEST	BORI	NG.	LOG	Project No.		3062
Project	Name:	Micron	ı Camp	us, Clay,	New York						Date Started	05/	07/24
Client:		Rambo		. ,							Date Finished		07/24
Location	n:			on Locati	ion Plan						Surface Elev.		00.0'
					INVESTIGATIO				GR	ROUNDWATER		IONS	
Driller:		H. Lyc			Casing:	3 ¼" ID	H.S.A.	Date		Time	Depth (Ft.)	Casina	g At (Ft.)
Driller:		K. Cra			Casing Hammer:						• ` '	,	, ,
Inspecto		C. O'H			Other:	a		05/07/24		While Drilling	3.7		6.0
Drill Rig	g:	CME 4	15		Soil Sampler:		Split Barrel	05/07/24		ore Casing Removed	8.5		3.3
Type: Rod Size	٥.	ATV AWJ			Hammer Wt: Hammer Fall:	140 lbs. 30 in.	•	05/07/24 05/07/24		er Casing Removed	4.8		out
Rou SIZ			R∩D	INC C	AMPLES	ou in.	1/1			er Casing Removed SSIFICATION C	caved @ 5.3		out
 	LU	T		ш чо 3 А	I	-			LAS	SIFICATION C	T WIATEKIA	\L	
Depth	G 1	_	e Depth	Type /	Blows on	Depth of		- coarse		1 25 . 50	0// 20: 25	0/	SPT "N"
Scale (Feet)	Sample No.	From	To	Sample Rec. (in.)	Sampler Per 6 Inches	Change (Ft.)		medium - fine			% / some - 20 to 35 0% / trace - 0 to 10		or RQD %
0	1A	0.0	0.4	SS/14	WH-WH-3-4	(111.)	_		Mate	erial (moist)	0707 Hace - 0 to 10	/ U	3
~ i	1B	0.4	2.0	55/17	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<u> </u>				T, trace CLAY (we	t, soft)		
1								,		, ==== (•	,		
2	2	2.0	4.0	SS/12	3-4-4-3		Similar as	above (mo	oist, s	stiff)			8
3													
,	_			a~::-			D		- · -				
4	3	4.0	6.0	SS/13	WH-2-5-6		Brown SIL	T, trace C	CLAY	(moist, medium s	tıtt)		7
-													
5													
6	4	6.0	8.0	SS/18	10-14-17-20		Brown SII	T. trace C	LAV	, trace fine SAND	(moist hard)		31
~ i	'	3.0	3.0	55/10	10 11 1/ 20		DIS WILDIE	,	- - 4 1 1	, inic 5/111D	(incise, nara)		
7													
						T	<u> </u>						
8	5	8.0	10.0	SS/17	9-8-7-15			GRAVEL	, som	ne cmf SAND, som	e SILT (wet, me	edium	15
							compact)						
9									-				
10							Augers like	e Cobble l	begin	ning @ 9.5'			
10													
11													
11													
12													
12							Augers har	rder begin	เทเทย	@ 12.5'			
13	6	13.0	13.3	SS/0	50@3"		Auger Refi	-	_				50+
							Bottom of			3'			
14								20					
15													
1.													
16													
17													
17													
18													
10													
19													
20							1						

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod Remarks:

, tttaoriiri	ont to o	IVIL I (C	POILIN	umber. 2	20002D-04-0724					rest boning Logs	i ago	170 01 201	
				6035 Cd	orporate Drive	C1	(IRSHDE	ACE EX	XPLORATION	Boring No.	B-	671	
		IV		East Syr	racuse, NY 13057					Page No. 1 of 1			
	Asso	ciates	s, Inc.		315-701-0522		TEST	ROKI	NG LOG	Project No.		3062	
Project	Name:	Micror	Campi		New York	<u> </u>				Date Started		06/24	
Client:		Rambo	_	,,						Date Finished		06/24	
Location	n:			on Locati	on Plan					Surface Elev.			
Location	•				INVESTIGATIO)N			GROUNDWATE				
Driller:		H. Lyo			Casing:	3 ¼" ID	H.S.A.						
Driller:		K. Crai			Casing Hammer:	5 /4 ID	-1.~	Date	Time	Depth (Ft.)	Casing	g At (Ft.)	
Inspecto	or:	C. O'H			Other:			05/06/24	While Drilling	None Noted		5.0	
Drill Rig		CME 4			Soil Sampler:	2" OD 9	Split Barrel		Before Casing Removed				
Type:	٠.	ATV			Hammer Wt:	140 lbs.	•	05/06/24		2.8		out	
Rod Size	-				30 in.	•	05/06/24		caved @ 4.5	-	out		
Ttou SIL	LOG OF BORING SAMPLES						VI		LASSIFICATION	Ŭ			
	LO			110 07									
Depth	C 1	Sample (F		Type /	Blows on	Depth of		coarse	1 25 : 5	00// 20/ 25	0/	SPT "N"	
Scale (Feet)	Sample No.	From	To	Sample Rec. (in.)	Sampler Per 6 Inches	Change (Ft.)				0% / some - 20 to 35 20% / trace - 0 to 10		or RQD %	
0	1A	0.0	0.5	Rec. (in.)	1-WH-4-6	Topsoil and Organic Material (moist)				2070 / HACE - U IO IU	/0	4	
	1B	0.0	2.0	נו /נט	1-44-0	}			race CLAY (moist, med	lium stiff)		7	
1	עו	0.5	2.0				DIO WILL OIL	, oil i, t	ino CLITT (moist, mo	andin Suit)			
1													
2	2	2.0	4.0	SS/16	2-3-3-2		Brown/Gre	et, medium stiff)		6			
~		2.0		~ ~ 10									
3													
4	3	4.0	6.0	SS/18	1-6-11-14		Brown SII	T. trace C	CLAY (moist, very stiff)		17	
			5.5	~2,10				, .1.00 (,		1,	
5													
6	4	6.0	8.0	SS/	12-10-11-14		Brown SIL	T, little n	nf GRAVEL, trace cmf	SAND (wet, ver	y stiff)	21	
			2.0					,	,	(1.23, 1.01,	, : - /		
7													
8	5	8.0	10.0	SS/15	10-11-16-32		Brown/Gre	y SILT. 1	ittle mf GRAVEL, trac	e cmf SAND (mo	oist,	27	
	-	. •					very stiff)	-,-		(-110	,		
9													
10	6	10.2	10.2	SS/0	50@0"		Split Spoor	ı and Aus	ger Refusal @ 10.2'.				
							Bottom of						
11								20					
12													
13													
14													
15													
16													
17													
18													
				-									

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks:

19

Attachm	ent to C	IVIE RE	eport in	umber: 2	28062B-04-0724						est Boring Logs	- Page	179 of 201
				6035 Cc	orporate Drive	CI	JBSURF	ACF FY	XPL OR A	TION	Boring No.	B-	672
		IV		East Syr	racuse, NY 13057					Page No.	1	of 1	
	Asso	ociate	s, Inc.	Phone: 3	315-701-0522		IES	ROKI	NG LOC	Ť	Project No.	28	3062
Project					New York	-					Date Started	05/	06/24
Client:		Rambo									Date Finished		06/24
Location	n:	See Ex	ploration	on Locati	on Plan								0.4'
,					INVESTIGATION	ON			GROU	NDWATER	R OBSERVAT		
Driller:		H. Lyc			Casing:	3 ¼" ID	H.S.A.						
Driller:		K. Cra			Casing Hammer:			Date	1	Time	Depth (Ft.)	Casing	At (Ft.)
Inspecto		C. O'H			Other:			05/06/24	While	Drilling	2.8 6.0		5.0
Drill Ri		CME 4			Soil Sampler:	2" OD S	Split Barrel			sing Removed	6.2	Ç	9.3
Type:	S	ATV			Hammer Wt:		140 lbs. 05/06/24 After Casing Removed				3.0	(out
Rod Siz	e:	AWJ			Hammer Fall:	30 in.		05/06/24		ing Removed	caved @ 4.1	(out
			BOR	ING SA	AMPLES		VI			_	OF MATERIA	L	
		ı								0111101	,		
Depth	Comm1a	_	e Depth Ft.)	Type /	Blows on	Depth of		- coarse		and 25 to 50	00/ / sama 20 to 25	0/	SPT "N"
Scale (Feet)	Sample No.	From	To	Sample Rec. (in.)	Sampler Per 6 Inches	Change (Ft.)		medium - fine			0% / some - 20 to 35 20% / trace - 0 to 10		or RQD %
0	1	0.0	2.0	SS/6	1-WH-1-WH	(111.)			race ORG		RIAL, trace mf		1
U	1	0.0	2.0	55/0	1 4411-1-4411		(moist, ver	•		TAIC MIAIL	initio, nace iiii	שויוניני	1
1							(IIIOISt, VCI	y 301t)					
1													
2	2	2.0	4.0	SS/14	2-5-4-3		Brown SII	T. trace f	fine SAND.	trace CLAY	(wet. stiff)		9
_	_			22/11				.,	5111.12,		(20, 2011)		
3													
4	3	4.0	6.0	SS/15	WR-1-1-2		Brown/Gro	ev SILT. t	trace cmf S	AND. trace f	ine GRAVEL, tr	ace	2
-							CLAY (we	•			,		
5								, ,					
6	4	6.0	8.0	SS/17	2-15-11-10		Brown/Gre	ev SILT, s	some mf Gl	RAVEL, little	e cmf SAND (we	et, very	26
							stiff)	•			`	, ,	
7													
8	5	8.0	9.4	SS/12	14-17-50@5"		Brown/Gro	ey SILT, l	little mf GR	AVEL, trace	e cmf SAND (mo	oist,	50+
							hard)	•			`		
9	6	9.4	9.4	SS/0	50@0"	L		rd beginn	ing @ 9.2'.	Split Spoon	and Auger Refus	sal @	<u> </u>
									ring @ 9.4'				
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod Remarks:

	2	2	2.0	4.0	SS/15	3-8-5-5	Brown SILT, trace CLAY, trace fine SAND (moist, stiff)	13
	3							
	4	3	4.0	6.0	SS/14	2-5-5-5	Brown SILT, some cmf SAND, trace CLAY, trace fine GRAVEL (wet, stiff)	10
ŀ	5							
	6	4	6.0	8.0	SS/11	2-5-10-10	Augers gravelly beginning @ 5.5' Brown SILT, little mf GRAVEL, trace cmf SAND (wet, very stiff)	15
	7						Augers like Cobble beginning @ 7.4'	
	8	5	8.0	9.2	SS/10	11-25-50@2"	Brown/Grey SILT, little cmf SAND, trace fine GRAVEL (moist, hard)	50+
	9	6	9.2	9.2	SS/0	50@0"	Split Spoon and Auger Refusal @ 9.2' Bottom of Boring @ 9.2'	50+
	10						Bottom of Boring (a) 7.2	
	11							
	12							
	13							
	14							
ŀ	15							
	16							
	17							
	18							
	19							
ŀ	20							

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks:

11

12

13

14

15

16

17

18

19

Attachm	nent to C	ME Re	eport N	umber: 2	28062B-04-0724					Т	est Boring Logs	- Page 1	82 of 201
				6035 Co	orporate Drive	SI	IRSIIRE	ACE EX	ZPI C	ORATION	Boring No.	B-	675
		IV			racuse, NY 13057						Page No.	1 (of 2
	Ass	ociate	s, Inc.	Phone: 3	315-701-0522		IES	Γ BORI	NG L	JUG	Project No.	Project No. 28	
Project	Name:	Micror	ı Camp	us, Clay,	New York							Date Started 05/0	
Client:		Rambo	oll								Date Finished	05/0	06/24
Locatio	n:	See Ex	ploration	on Locati	on Plan		Surface Elev.						3.9'
		ME	THO	DS OF	INVESTIGATIO	N			GR	OUNDWATER	OBSERVAT	IONS	
Driller:		Al Lin	struth		Casing:	3 ¼" ID	H.S.A.	Date		Time	Depth (Ft.)	Cosing	At (Ft.)
Driller: John Winks			Casing Hammer:			Date		Time	Depth (Ft.)	Casing	At (Ft.)		
Inspector:			Other:	NQ-Cor	e	05/06/24		While Drilling	4.2	4	.0		
Drill Rig: CME 55			Soil Sampler:	2" OD Split Barrel		05/06/24		e Casing Removed	4.5 *		0.5		
Type: ATV			Hammer Wt:	140 lbs.		05/06/24	After	r Casing Removed		О	ut		
Rod Size: AWJ Hammer Fall:					30 in.		05/06/24		r Casing Removed	caved @		ut	
LOG OF BORING SAMPLES							VI	SUAL C	LASS	SIFICATION C	F MATERIA	L	
Depth		Sample	e Depth	Type /	Blows on	Depth of	Conth of C - COARSe						SPT "N"
Scale	Sample	(F	t.)	Sample	Sampler	Change	m -	medium		and - 35 to 50% / some - 20 to 35%			or
(Feet)	No.	From	To	Rec. (in.)	Per 6 Inches	(Ft.)		- fine			0% / trace - 0 to 100	RQD %	
0	1	0.0	2.0	SS/16	2-2-2-2			LT, little cmf SAND, trace fine GRAVEL, trace ROOTS					4
							(moist, loc	se)					
1													
											,		
2	2	2.0	4.0	SS/19	2-2-2-2			T, little c	mf SA	ND, trace fine GR	RAVEL (wet, me	edium	4
							stiff)						
3													
1	,	4.0	(0	00/17	1 1 1 1		D C11	SILT, little mf GRAVEL, little cmf SAND (wet, very loose					
4	3	4.0	6.0	SS/17	1-1-1-1		Brown SII	, little n	ıı GKA	AVEL, little cmf S	SAND (wet, very	(100se)	2
5	1												
3													

Brown SILT, some cmf SAND, some mf GRAVEL (wet, stiff)

Grey DOLOSTONE with interbedded SHALE layers (<1/8" - 2.0"

Coring conducted in 4th gear, 1700 rpm, 550 psi down pressure.

Grey DOLOSTONE with interbedded SHALE layers (<1/8" - 3.0"

Coring conducted in 4th gear, 1700 rpm, 550 psi down pressure.

thick), slightly weathered, thinly laminated to thinly bedded,

thick), slightly weathered, thinly laminated to thinly bedded,

Weathered zones (< 1/8" thick) @ 11.0' and 11.6'.

Recovery: $54''/60'' = 90\% \mid RQD: 54''/60'' = 90\%$

Recovery: $60''/60'' = 100\% \mid RQD: 58''/60'' = 97\%$

Similar as above (wet, stiff)

medium hard to hard.

1:25 min/ft, no water loss

medium hard to hard.

1:10 min/ft, no water loss

Continued on Page 2

Auger Refusal @ 10.5'. Set up to core.

12 Pieces, 0" Chips and Fragments

Weathered zones (~1/2" thick) @ 19.4'.

19 Pieces, 0" Chips and Fragments

11

9

90%

97%

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks: *Water added to boring for coring.

SS/15

C/54

C/60

10.0 SS/16

3-4-7-7

6-3-6-11

NQ-Core

NQ-Core

8.0

8.0

10.5 | 15.5

15.5 20.5

7

10

11

12

13

14

15

16

17

18

19

R-1

R-2

CRAE	6035 Corporate Drive
CIVIE	East Syracuse, NY 13057
Associates, Inc.	Phone: 315-701-0522

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-675

 Page No.
 2 of 2

 Project No.
 28062

					315-701-0522		TEST DOMING		Project No.	280	062		
					AMPLES	VISUAL CLASSIFICATION OF MATERIAL							
Depth		Sample	e Depth	Type /	Blows on	Depth of	c - coarse				SPT "N"		
Scale	Sample		řt.)	Sample	Sampler	Change	m - medium		0% / some - 20 to 35%		or		
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)	f - fine Continued from Page 1	little - 10 to 2	20% / trace - 0 to 10%		RQD %		
20							Bottom of Boring @ 20.5'						
21							80						
22													
23													
24													
25													
26													
27													
27													
28													
29													
2)													
30	1												
31													
31													
32													
22													
33													
34													
2.5	<u> </u>												
35													
36													
2.5													
37													
38													
39													
40													
41													
42													
43													
44													
 -													
45	1												

Test Boring Logs - Page 184 of 201

	6035 Corporate Drive	SUBSURFACE EXPLORATION	Boring No.	B-676
	East Syracuse, NY 13057	TEST BORING LOG	Page No.	1 of 1
Ass	pciates, Inc. Phone: 315-701-0522	TEST BOKING LOG	Project No.	28062
Project Name:	Micron Campus, Clay, New York		Date Started	05/06/24
Client:	Ramboll		Date Finished	05/06/24
Location:	See Exploration Location Plan	Surface Elev.	404.3'	

	1								
	METHODS	OF INVESTIGATION	ON	GROUNDWATER OBSERVATIONS					
Driller:	Al Linstruth	Casing:	3 ¼" ID H.S.A.	Date	Time	Depth (Ft.)	Casing At (Ft.)		
Driller:	John Winks	Casing Hammer:		Date	Time	Depth (Ft.)	Casing At (Ft.)		
Inspector:		Other:		05/06/24	While Drilling	6.0	4.0		
Drill Rig:	CME 55	Soil Sampler:	2" OD Split Barrel	05/06/24	Before Casing Removed	None Noted	4.0		
Type:	ATV	Hammer Wt:	140 lbs.	05/06/24	After Casing Removed	None Noted	out		
Rod Size:	AWJ	Hammer Fall:	30 in.	05/06/24	After Casing Removed	caved @	out		

Rod Siz		AWJ			Hammer Fall:	30 in. 05/06/24 After Casing Removed caved @ out					
	LO	G OF	BOR	ING SA	AMPLES		VISUAL CLAS	SIFICATION O)F MATERIA	L	
Depth Scale	Sample	(F	e Depth	Type / Sample	Blows on Sampler	Depth of Change	c - coarse m - medium		% / some - 20 to 359		
(Feet)	No.	From	To	Rec. (in.)	Per 6 Inches	(Ft.)	f - fine		0% / trace - 0 to 109		
0	1	0.0	2.0	SS/15	1-2-2-4		Brown SILT, little cmf SA MATERIAL (moist, medi		AVEL, trace OR	GANIC 4	
2 3	2	2.0	4.0	SS/16	4-4-3-4		Brown SILT, some cmf S ORGANIC MATERIAL		·	7	
4	3	4.0	6.0	SS/18	2-2-3-2		Brown SILT and cmf GR. stiff)	AVEL, some cmf S	SAND (wet, med	lium 5	
5 6	4	6.0	8.0	SS/15	2-12-10-10		Brown SILT, some cmf G (wet, very stiff)	RAVEL, little cm	f SAND, trace C	LAY 22	<u>)</u>
7 8	5	8.0	10.0	SS/16	5-10-13-7		Brown SILT and mf GRA	VEL. little CLAY	. little cmf SAN	D (wet, 23	}
9							very stiff)		,		
10							Auger Refusal @ 11.3'				
12							Bottom of Boring @ 11.3	1			
13 14											
15											
16 17											
18											
19											

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks:

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Test Boring Logs - Page 186 of 201

Attachm	ent to C	IVIE RE	port N	umber: 2	28062B-04-0724					lest Boring Logs	- Page 1	186 of 201
				6035 Co	orporate Drive	ÇI	IRSHDE	ACF FY	KPLORATION	Boring No.	B-	678
		IV		East Sy	racuse, NY 13057					Page No.	1	of 2
	Asso	ociates	s, Inc.	Phone:	315-701-0522		TEST	ROKI	NG LOG	Project No.	28	062
Project					New York					Date Started	05/0	07/24
Client:		Rambo								Date Finished		07/24
Location	n:	See Ex	ploration	on Locati	on Plan					Surface Elev.	39	8.4'
	-				INVESTIGATIO	N			GROUNDWATE			
Driller:		H. Lyo			Casing:	3 ¼" ID	H.S.A.					
Driller:		K. Cra			Casing Hammer:			Date	Time	Depth (Ft.)	Casing	At (Ft.)
Inspecto	or:	C. O'H			Other:			05/07/24	While Drilling	None Noted	8	3.0
Drill Ri		CME 4			Soil Sampler:	2" OD S	Split Barrel		Before Casing Removed			4.4
Type:	9	ATV			Hammer Wt:	140 lbs.	-	05/07/24		None Noted		out
Rod Siz	e:	AWJ			Hammer Fall:	30 in.		05/07/24			C	out
			BOR	ING SA	AMPLES		VI		LASSIFICATION (L	
		1	e Depth							31 1/11212111		
Depth	Sample	_	t.)	Type /	Blows on	Depth of		coarse medium	and 25 to 5	00/ / aama 20 ta 25	0/	SPT "N"
Scale (Feet)	No.	From	To	Sample Rec. (in.)	Sampler Per 6 Inches	Change (Ft.)		meaium - fine		0% / some - 20 to 35 20% / trace - 0 to 109		or RQD %
0	1A	0.0	0.4	SS/14	1-1-2-2	(1 1.)			Material (moist)	20707 11400 0 10 10.		3
`	1B	0.4	2.0	55,17	1122	<u> </u>			trace CLAY, trace woo	dv ORGANIC		
1	12						MATERIA	-	·	ay ortoravie		
*								(-, /			
2	2	2.0	4.0	SS/13	4-6-6-4		Brown SII	T, trace (CLAY (moist, stiff)			12
-	_							,	()			[
3												
4	3	4.0	6.0	SS/14	3-3-4-2		Brown SIL	T. little C	CLAY (moist, medium s	tiff)		7
								,)		,
5												
6	4	6.0	8.0	SS/17	2-4-5-8		Brown SIL	T, trace C	CLAY (wet, stiff)			9
7												
8	5	8.0	10.0	SS/16	8-10-10-8		Brown/Gre	ey, Simila	r as above (moist, very	stiff)		20
9												
10												
11												
12												
13	6	13.0	15.0	SS/14	1-3-4-5		Brown/Gre	ey SILT, t	race CLAY (wet, media	ım stiff)		7
14												
15												
1.5												
16												
1							l.		. 0.17.61			
17							Augers eas	tier begin	ning @ 17.0'			
1.0	7	10.0	20.0	00/14	WILL 2 12 25	} -	C CIL T		-CCAND 4 CCD	AVEL (4:00	1.5
18	7	18.0	20.0	SS/14	WH-2-13-35		Grey SILT	, some cn	nf SAND, trace mf GRA	AVEL (moist, vei	ry stiff)	15
10												
19												
1		1			ī		•					

20 Continued on Page 2
SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks:

CVE Associates, Inc.

6035 Corporate Drive East Syracuse, NY 13057 Phone: 315, 701, 0522

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-678

 Page No.
 2 of 2

 Project No.
 28062

	Associates, Inc. Phone: 315-701-0522						TEST BURING	LUG	Project No.	280)62
					MPLES		VISUAL CLAS	SIFICATION (·		
Depth Scale (Feet)	Sample No.	Sample	e Depth	Type / Sample Rec. (in.)	Blows on Sampler Per 6 Inches	Depth of Change (Ft.)	c - coarse m - medium f - fine	and - 35 to 50	0% / some - 20 to 35% 20% / trace - 0 to 10%		SPT "N" or RQD %
20							Continued from Page 1				
21							Augers hard @ 21.4'				
22											
23	8	23.0	23.4	SS/5	50@5"		Grey cmf SAND and fine	GRAVEL little S	II T (moist very		50+
		23.0	23.4	55/5	30003		compact)	GICAVEL, IIIIC 5	illi (moist, very		301
24	9	24.4	24.7	SS/4	50@4"		Auger Refusal @ 24.4' Grey cmf SAND and SILT	Γ, little fine GRAV	VEL (moist, very		50+
25							compact) Bottom of Boring @ 24.7				
26											
27											
28											
29											
30	1										
31											
32											
33											
34											
35											
36											
37											
38											
39											
40	-										
41											
42											
43											
44											
45											

Test Boring Logs - Page 188 of 201

					orporate Drive	SU	UBSURF	ACE EX	XPLORATION	Boring No.		679
	Agg	ociates	e Inc		racuse, NY 13057				NG LOG	Page No.		of 2
				1 moner	315-701-0522			2011		Project No.		3062
Project	Name:		_	us, Clay,	New York					Date Started		08/24
Client:		Rambo		<u>.</u>	. DI					Date Finished		08/24
Locatio	n:			on Locati	ion Plan INVESTIGATIO	N		I	GROUNDWATER	Surface Elev.		95.9'
Driller:		H. Lyc		us Uf	Casing:	3 ¼" ID	НЅД		GROUNDWAIER	CODSEKVAI	TONS	
Driller:		K. Cra			Casing Hammer:	3 /4 ID	11.5.A.	Date	Time	Depth (Ft.)	Casing	At (Ft.)
Inspecto		C. O'H			Other:			05/08/24	While Drilling	None Noted	1	3.0
Drill Ri		CME 4			Soil Sampler:	2" OD S	Split Barrel		Before Casing Removed			2.2
Type:	0	ATV			Hammer Wt:	140 lbs.	_	05/08/24	-	None Noted	C	out
Rod Siz	e:	AWJ			Hammer Fall:	30 in.		05/08/24	After Casing Removed	caved @ 11.7	C	out
	LO	G OF	BOR	ING SA	AMPLES		VI	SUAL C	LASSIFICATION (OF MATERIA	L	
Depth			e Depth	Type /	Blows on	Depth of	c -	- coarse				SPT "N"
Scale	Sample		řt.)	Sample	Sampler	Change	m -	medium		0% / some - 20 to 35		or
(Feet)	No.	From	To	Rec. (in.)	Per 6 Inches	(Ft.)		f - fine		20% / trace - 0 to 10°	%	RQD %
0	1	0.0	2.0	SS/8	WH-1-WH-2		Topsoil an	d Organic	Material (moist)			1
1												
1						<u> </u>	-					
2	2	2.0	4.0	SS/14	4-5-4-7		Brown/Gre	ey mottled	SILT, trace CLAY (mo	oist, stiff)		9
_	-							,	,2.11 (III	,,		
3												
4	3	4.0	6.0	SS/15	6-10-9-9	9 Similar as above (moist, very stiff)						19
						Similar as above (moist, very stirr)						
5												
(()	0.0	00/17	0 0 7 7		D CII	T 4	ST A37 (' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '			1.5
6	4	6.0	8.0	SS/17	8-8-7-7		Brown SIL	1, trace (CLAY (moist, very stiff)	1		15
7						 	├ -					
/												
8	5	8.0	10.0	SS/18	4-8-8-10		Brown SII	T, trace n	nf GRAVEL, trace cmf	SAND, trace CI	AY	16
Ü				-2.10			(wet, very	-	, 22, 2400 01111			
9								,				
10												
11								77 -				
10							Augers gro	avelly beg	inning @ 11.6'			
12							Augoraha	rd haaine	ing @ 12.7'			
13	6	13.0	15.0	SS/10	12-12-22-16				ong @ 12.7 nf SAND, trace fine GR	AVFI (majet h	ard)	34
13		13.0	15.0	33/10	12-12-22-10		Oley SIL1	, some cil	ii band, nace lille UK	A VEL (IIIOISI, III	aru)	34
14												
15	1											
16												
						ļ	<u> </u>	- <u>-</u>				
17							Augers ver	y hard be	ginning @ 17.0'			
1.0		10.0	10.2	00/2	50@2"		C	ODANEI	1:41- QU T 1:41 - CQ	AND		50:
18	7	18.0	18.3	SS/3	50@3"			JKAVEL,	, little SILT, little cmf S	AND (moist, ve	ry	50+
19							compact)					
17												
20	†						Continued	on Page 2	,			

20 | Continued on Page 2 SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks:

6035 Corporate Drive
East Syracuse, NY 13057
Associates, Inc.
Phone: 315-701-0522

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-679

 Page No.
 2 of 2

 Project No.
 28062

	Associates, Inc. Phone: 315-701-0522						LEST BURING	LUG	Project No.	28	062
					AMPLES		VISUAL CLAS	SIFICATION (
Depth Scale	Sample	Sample (F	e Depth	Type / Sample	Blows on Sampler	Depth of Change	c - coarse m - medium	and - 35 to 50	0% / some - 20 to 35%	ó	SPT "N" or
(Feet)	No.	From	To	Rec. (in.)	Per 6 Inches	(Ft.)	f - fine	little - 10 to 2	20% / trace - 0 to 10%	ı	RQD %
20 21							Continued from Page 1				
22	9	22.2	22.5	SS/4	50@4"	l	Augers very hard beginning Dark Grey weathered ROO	ig @ 22.2' CK Fragments (Sh	ale) little cmf SA	 ND	50+
23		22.2	22.0	55, 1	30001		little SILT (moist, very co Bottom of Boring @ 22.5)	mpact)	mare), nuite eniir sir		
24											
25	1										
26											
27											
28											
30											
31											
32											
33											
34											
35	1										
36											
37											
38											
39	-										
40											
42											
43											
44											
45											

				6035 Co	orporate Drive	SI	JBSURF.	ACE EX	PL	ORATION	Boring No.	B-	680
		LV			racuse, NY 13057			F BORI			Page No.		of 1
		ociates	35		315-701-0522		11201	DOM	.10	LOG	Project No.		3062
Project	Name:		_	us, Clay,	New York						Date Started		07/24
Client:		Rambo		Ŧ	DI DI						Date Finished		07/24
Location	n:			on Locati	INVESTIGATIO	NI		l	CI	ROUNDWATER	Surface Elev.		9.5'
Driller:		H. Lyo		DS OF	Casing:	3 ¼" ID	цсл		Gr	KOUNDWAIEK	ODSERVAI	IONS	
Driller:		K. Cra			Casing: Casing Hammer:	3 % ID	п.з.А.	Date		Time	Depth (Ft.)	Casing	At (Ft.)
Inspecto	r:	C. O'H			Other:			05/07/24		While Drilling	None Noted	1	3.0
Drill Ri		CME 4			Soil Sampler:	2" OD S	Split Barrel	05/07/24		ore Casing Removed	11.6		7.4
Type:	3	ATV			Hammer Wt:	140 lbs.	_	05/07/24		er Casing Removed	4.1		out
Rod Siz	e:	AWJ			Hammer Fall:	30 in.		05/07/24	Aft	er Casing Removed	caved @ 11.0	C	out
	LO	G OF	BOR	ING SA	AMPLES		VI	SUAL C	LAS	SIFICATION C	F MATERIA	L	
Depth		Sample	e Depth	TD /	Blows on	D d c	c ·	- coarse					SPT "N"
Scale	Sample	_	t.)	Type / Sample	Sampler	Depth of Change		medium		and - 35 to 50	% / some - 20 to 35	%	or
(Feet)	No.	From	To	Rec. (in.)	Per 6 Inches	(Ft.)		- fine		•	0% / trace - 0 to 100	%	RQD %
0	1A	0.0	0.5	SS/16	1-WH-1-4	ļ - -				erial (moist)			1
	1B	0.5	2.0				Brown SIL	T, trace C	CLAY	, trace fine SAND	(moist, soft)		
1													
١ ,	2	2.0	4.0	00/10	4 4 5 4		D CII	т.,	T A T	7 (' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '			
2	2	2.0	4.0	SS/18	4-4-5-4		Brown SIL	1, trace C	LAY	Y (moist, stiff)			9
3													
3													
4	3	4.0	6.0	SS/14	5-6-6-6		 Rrown/Gre	ev SII T t	race (CLAY, trace fine S	AND (moist sti	ff)	12
	3	1.0	0.0	55/14	3000		DIOWII GIV	by SILT, a	acc	CLIVI, trace line 5	THIAD (MOISE, SE	11)	12
5													
6	4	6.0	8.0	SS/16	9-10-11-12		Similar as	above (mo	oist, v	very stiff)			21
7													
8	5	8.0	10.0	SS/19	8-10-10-11		Brown SIL	T, trace C	CLAY	(moist, very stiff)			20
0													
9													
10													
10													
11													
12													
						<u> </u>	Augers gro						
13	6	13.0	15.0	SS/11	4-4-6-14		_		ne m	of GRAVEL, little C	CLAY, trace cmf	SAND	10
							(moist, stif	f)					
14													
1.7													
15													
16													
10							Augers like	Rock hou	oinni	na @ 167'			
17	7	17.4	17.4	SS/0	50@0"		~	-	-	ng @ 10.7 efusal @ 17.4'			50+
1,	_ ′	17.7	1 / 7	55/0	2000		Bottom of						301
18								8					
19													

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod Remarks:

Attachm	ent to C	ME Re	port N	umber: 2	28062B-04-0724					Test Boring Logs	- Page 1	191 of 201
				6035 Co	orporate Drive	SI	JBSIJRFA	ACE EX	KPLORATION	Boring No.	B-	681
		V			racuse, NY 13057				NG LOG	Page No.	1	of 1
	Asso	ociates	s, Inc.	Phone: 3	315-701-0522		1651	BUKI	NG LUG	Project No.	28	3062
Project	Name:	Micror	n Camp	us, Clay,	New York	•				Date Started	05/	08/24
Client:		Rambo	oll							Date Finished	05/	08/24
Location	1:	See Ex	ploration	on Locati	on Plan					Surface Elev.	39	95.6'
		ME	THO	DS OF	INVESTIGATIO	N			GROUNDWATE	R OBSERVAT	IONS	
Driller:		H. Lyo	n		Casing:	3 ¼" ID	H.S.A.	D.4:	TP*	Design (E(c)	G	A4 (E4)
Driller:		K. Cra	ndall		Casing Hammer:			Date	Time	Depth (Ft.)	Casing	At (Ft.)
Inspecto	r:	C. O'H	ara		Other:			05/08/24	While Drilling	1.7		
Drill Ri	g:	CME 4	15		Soil Sampler:	2" OD S	Split Barrel	05/08/24	Before Casing Removed	None Noted	1	3.0
Type:		ATV			Hammer Wt:	140 lbs.		05/08/24	After Casing Removed	None Noted	(out
Rod Size	e:	AWJ			Hammer Fall:	30 in.		05/08/24	After Casing Removed	caved @ 6.7	(out
	LO	G OF	BOR	ING SA	AMPLES		VI	SUAL C	LASSIFICATION	OF MATERIA	L	
D 4		I	e Depth									CDT "NI"
Depth Scale	Sample		t.)	Type /	Blows on Sampler	Depth of		coarse medium	and - 35 to 5	0% / some - 20 to 35	0/0	SPT "N" or
(Feet)	No.	From	To	Sample Rec. (in.)	Per 6 Inches	Change (Ft.)		- fine		20% / trace - 0 to 10		RQD %
0	1A	0.0	0.3	SS/12	WH-1-1-2	(13.7)			Material (moist)			2
	1B	0.3	2.0	55/12	,,11112	 			; Black cinders, fine gra	ivel, cmf sand, si	lt (wet)	
1	12	0.5	2.0				TVIISCOITAITC	0451122	, Black emacis, ime giv	rvei, eiiii saira, si	(,,, et)	
1						·						
2	2	2.0	4.0	SS/18	9-8-7-7		Brown SII	T. trace (CLAY, trace fine SAND	(moist, stiff)		15
2	_	2.0		55/10	7077		Brown SIE	1, 11400	32711, trace line Still (E	(moisi, siii)		13
3												
3												
4	3	4.0	6.0	SS/17	2-6-8-12		Similar as	ahove (m	oist stiff)			14
-	3	1.0	0.0	55/17	20012		Sillilai as	uoove (III	0151, 51111)			1 7
5												
3												
6	4	6.0	8.0	SS/15	11-7-6-7	<u> </u>	Brown SII	T little c	mf SAND, trace mf GR	AVEL trace CL	ΔV -	13
O	•	0.0	0.0	55/15	11 / 0 /		(wet, stiff)	, muic c	ini 57 ii 12, trace iii Gi	arvee, nace ce	211	13
7							(wet, still)					
,												
8	5	8.0	9.4	SS/14	11-28-50@5"		Brown SII	T some	cmf SAND, trace fine C	RAVEL (moist	hard)	50+
0	3	0.0	7.4	55/17	11-20-30@3				beginning @ 8.5'	IKA v LL (IIIOISI,	nara)	301
9							Augers like	Coodie	beginning & 0.5			
10												
10												
11												
11							Augore has	der hegiv	ning @ 11.7'			
12							ingers nur	uei vegii	umig = 11./			
12												
13	6	13.0	13.9	SS/10	83-50@5"		Grev CII T	trace fin	e SAND, trace CLAY (moist hard)		50+
13	U	15.0	13.7	33/10	05-50@5		Olcy SIL1	, nace IIII	ic BAIND, HACE CLAT (moist, natuj		301
14							Bottom of	Roring @) 13 9'			
14							Domoili 01	Doring (a	13.9			
15												
13												
16												
10												
17												
1 /												
18												
10												
19												
19												
				1		1	1					Ī

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod Remarks:

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks:

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Attachment to C	CME Report Numb	per: 28062B-04-0724			Т	est Boring Logs	- Page 193 of 201
	60	35 Corporate Drive	SURSURE	ACE EX	KPLORATION	Boring No.	B-683
	Ea 60	st Syracuse, NY 13057			NG LOG	Page No.	1 of 2
Ass	ociates, Inc. Ph	one: 315-701-0522	IES.	I DUNI	NG LUG	Project No.	28062
Project Name:	Micron Campus, O	Clay, New York				Date Started	05/07/24
Client:	Ramboll					Date Finished	05/08/24
Location:	See Exploration L	ocation Plan				Surface Elev.	394.8'
	METHODS	OF INVESTIGATION	ON		GROUNDWATER	R OBSERVAT	IONS
Driller:	Beau Fletcher	Casing:	3 ¼" ID H.S.A.	Date	Time	Donth (Et.)	Cosing At (Et)
Driller:	Ryan Casatelli	Casing Hammer:		Date	1 line	Depth (Ft.)	Casing At (Ft.)
Inspector:		Other:		05/08/24	While Drilling	3.3	13.5
Drill Rig:	CME 55	Soil Sampler:	2" OD Split Barrel	05/08/24	Before Casing Removed	27.4	28.5
Type:	ATV	Hammer Wt:	140 lbs.	05/08/24	After Casing Removed	6.0	out

Type:		ATV			Hammer Wt:	140 lbs.		05/08/24		er Casing Removed	6.0	О	out
Rod Siz		AWJ			Hammer Fall:	30 in.		05/08/24		er Casing Removed	caved @ 8.3		out
	LO	G OF	BOR	ING SA	MPLES		VIS	SUAL C	LAS	SIFICATION (OF MATERIA	L	
Depth		Sample	Depth	Type /	Blows on	Donth of	c -	coarse					SPT "N"
Scale	Sample		t.)	Sample	Sampler	Depth of Change		medium		and - 35 to 50	0% / some - 20 to 35	i%	or
(Feet)	No.	From	To	Rec. (in.)	Per 6 Inches	(Ft.)	f	- fine		little - 10 to 2	20% / trace - 0 to 10	%	RQD %
0	1A	0.0	0.5	SS/17	1-7-4-12	L				erial (moist)			11
	1B	0.5	2.0				Grey/Brow	n cmf GR	AVE	EL and cmf SAND,	trace SILT (mo	ist,	
1						1	medium co	mpact)					
2	2	2.0	4.0	SS/16	5-6-11-13		Brown/Dar	k Grey SI	LT, t	trace fine SAND (r	noist, very stiff)		17
3													
4	3	4.0	6.0	SS/219	8-10-11-12		Brown/Gre	y SILT, tı	race f	fine SAND, trace C	CLAY (moist, ve	ery stiff)	21
	r												
5													
6	4	6.0	8.0	SS/24	7-5-7-7		Brown SIL	T, little ci	mf SA	AND, trace mf GR	AVEL (wet, stif	f)	12
1 _													
7													
	_		0.5	00/15	2 0 11 50 0 21		G GH T		001	NE COL	A T T T		2.0
8	5	8.0	9.7	SS/15	3-9-11-50@2"		Grey SILT	, some cm	if SA	ND, little cmf GR	AVEL (wet, very	y stiff)	20
9													
10	•												
10													
11													
11													
12													
1													
13													
	6	13.5	14.4	SS/7	19-50@5"		Grey SILT	, trace mf	GRA	VEL, trace cmf SA	AND, trace CLA	Υ	50+
14					<u> </u>		(moist, har			,	,		
15													
16													
17													
18													
	7	18.5	19.8	SS/13	17-45-50@4"				f SA	ND, little CLAY, t	race fine GRAV	EL.	50+
19							(moist, har	d)					
2.5	1							.					
20	1:4 C	[]	T111 /		-1- C C W	W-: 14	Continued			7-:-1-4 - CD 1			
-	-				ibe, C - Core, WH -	w eight o	oi Hammer	⊦ Kod, WI	x - W	eignt of Rod			
Remar	KS.	· wat	ci add	eu io bor	ring for coring.								

CVE Associates, Inc.

6035 Corporate Drive East Syracuse, NY 13057

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-683

 Page No.
 2 of 2

 Project No.
 28062

	Associates, Inc. Phone: 315-701-0522 LOG OF BORING SAMPLES						TEST DOKING		Project No.	280	62
	LO	G OF	BOR	ING SA	MPLES		VISUAL CLAS	SIFICATION (OF MATERIAL		
Depth Scale (Feet)	Sample No.		e Depth t.) To	Type / Sample Rec. (in.)	Blows on Sampler Per 6 Inches	Depth of Change (Ft.)	c - coarse m - medium f - fine		0% / some - 20 to 35% 20% / trace - 0 to 10%		SPT "N" or RQD %
20							Continued from Page 1				
21											
22											
23	8	23.5	23.9	SS/5	50@5"		Grey SILT, trace mf GRA	VEL trace cmf S	AND (moist hard)		50+
24	8	23.3	23.9	33/3	3000,3		ofey Silli, trace iii oka	TVEE, trace cili 5.	AND (moist, nard)		301
25											
26											
27											
28	9	28.5	29.3	SS/8	30-50@4"		Grey SILT, little CLAY, 1	trace fine SAND (1	noist hard)		50+
29		20.3	27.3	55/0	30 30@1		Grey Sill 1, indie Gli 111, t	race line 57 ft (b)	noist, nara)		50.
30							Bottom of Boring @ 30.0	1			
31											
32											
33											
34											
35											
36											
37											
38											
39											
40											
41											
42											
43											
44											
45	1										

Allaciiii	ent to C	NVIL IXC	portiv	ullibel. A	20002D-04-0724					<u>'</u>	est bonng Logs	- i age	100 01 20 1
				6035 Co	orporate Drive	cı	TRSTIRE	ACF FY	ZPI 4	ORATION	Boring No.	B-	684
				East Syr	racuse, NY 13057						Page No.	1	of 1
	Asso	ociate	s, Inc.	-	315-701-0522		TEST	BORI	NG I	LOG	Project No.		3062
Project	Name:	Micror	ı Camp		New York						Date Started		08/24
Client:	·······	Rambo		us, ciuj,	10W TOIR						Date Finished		08/24
Location	n•			on Locati	on Plan						Surface Elev.		94.0'
Location	11.		_		INVESTIGATION)N			CR	ROUNDWATER			77.0
Driller:		H. Lyc		DS OF	Casing:	3 ¼" ID	НЅД		J	CONDWATER	ODSERVATI	10115	
Driller:		K. Cra			Casing Hammer:	3 /4 ID	11.5.71.	Date		Time	Depth (Ft.)	Casing	g At (Ft.)
Inspecto	r:	C. O'H			Other:			05/08/24		While Drilling	4.5	5	3.0
Drill Rig		CME 4			Soil Sampler:	2" OD 9	Split Barrel	05/08/24		ore Casing Removed	3.2		3.0
Type:	5 •	ATV	1.5		Hammer Wt:	140 lbs.	-	05/08/24		er Casing Removed	3.7		out
Rod Size	e•	AWJ			Hammer Fall:	30 in.		05/08/24		er Casing Removed	caved @ 6.7	-	out
Ttou Size			ROR	ING S	AMPLES		VI			SIFICATION C			-
	LO	1		110 57			V 1	SUAL C	LAS		or MATERIA	L	
Depth		_	e Depth	Type /	Blows on	Depth of		- coarse					SPT "N"
Scale	Sample	From	t.) To	Sample	Sampler	Change		medium - fine			0% / some - 20 to 35		or DOD 0/
(Feet)	No.	0.0	0.5	Rec. (in.) SS/13	Per 6 Inches 1-WH-1-2	(Ft.)			Mata	erial (moist)	20% / trace - 0 to 10	%0	RQD %
U	1B	0.0	2.0	33/13	1-WΠ-1-2	ļ				, trace ORGANIC	MATERIAL (12		1
1	1 D	0.5	2.0					1, trace C	LAI	, trace ORGANIC	MAIEKIAL (II	noist,	
1							very soft)						
2	2	2.0	4.0	SS/14	2656		Danie CII	T two as (7T A 3/	, trace fine SAND	(maint stiff)		11
2	2	2.0	4.0	55/14	2-6-5-6		Brown SIL	1, trace C	LA Y	, trace line SAND	(moist, still)		11
2													
3													
	2	4.0	6.0	00/15	2 2 0 10	ļ			<u></u>	DAMEL	SCAND (1.0
4	3	4.0	6.0	SS/15	2-2-8-10		Brown SIL	T, little c	mt G	RAVEL, trace cmf	SAND (wet, sti	11)	10
5										0.5.51			
				~~/4			Augers ha					•	•
6	4	6.0	8.0	SS/12	8-17-21-29		Brown SIL	T, little n	nf GR	AVEL, trace cmf S	SAND (moist, h	ard)	38
7													
	_												
8	5	8.0	9.4	SS/10	19-28-50@5"		Grey SILT	, little fin	e GR	AVEL, trace cmf S	SAND (moist, ha	ırd)	50+
9													
10													
11													
12													
13	6	13.0	14.3	SS/11	27-34-50@4"				GRA	VEL, trace CLAY	, trace cmf SAN	D	50+
							(moist, har	d)					
14													
							Bottom of	Boring @	14.3	'			
15													
16													
17													
18													
19													
20	Ì	I		I									

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod Remarks:

Test Boring Logs - Page 196 of 201

					orporate Drive	SI	JBSURFA	ACE EX	KPI.	ORATION	Boring No.		685
			Ę		racuse, NY 13057			F BORI			Page No.	1	of 1
	Asso	ociates	-5	I moner.	315-701-0522		11231	DOM	110	LOG	Project No.		3062
Project	Name:			us, Clay,	New York						Date Started		09/24
Client:		Rambo	oll								Date Finished		09/24
Location	n:			on Locati							Surface Elev.		97.0'
				DS OF	INVESTIGATIO				GF	ROUNDWATER	OBSERVAT	IONS	
Driller:		H. Lyo			Casing:	3 ¼" ID	H.S.A.	Date		Time	Depth (Ft.)	Casino	g At (Ft.)
Driller:		K. Cra			Casing Hammer:						- ' '	,	, ,
Inspecto		C. O'H			Other:			05/09/24		While Drilling	7.4		0.0
Drill Ri	g:	CME 4	15		Soil Sampler:		Split Barrel	05/09/24		ore Casing Removed	5.8	1	7.7
Type:		ATV			Hammer Wt:	140 lbs.		05/09/24		er Casing Removed	4.8		out
Rod Siz		AWJ			Hammer Fall:	30 in.		05/09/24		er Casing Removed	caved @ 14.8		out
	LO	G OF	BOR	ING SA	AMPLES		VI	SUAL C	LAS	SSIFICATION C)F MATERIA	L	1
Depth		Sample	e Depth	Type /	Blows on	Depth of	c -	- coarse					SPT "N"
Scale	Sample		t.)	Sample	Sampler	Change	m -	medium			% / some - 20 to 35		or
(Feet)	No.	From	To	Rec. (in.)	Per 6 Inches	(Ft.)		- fine			0% / trace - 0 to 10°	%	RQD %
0	1A	0.0	0.6	SS/16	WH-1-2-2	ļ — -				erial (moist)			3
	1B	0.6	2.0					-		, trace cmf SAND,	trace ORGANI	C	
1							MATERIA	L (moist,	soft))			
2	2	2.0	4.0	SS/15	5-6-6-6		Brown SIL	T, trace C	CLAY	Y (moist, stiff)			12
3													
l .				~~			~						• •
4	3	4.0	6.0	SS/16	6-9-11-12		Similar as	above (we	et, ve	ery stiff)			20
5													
	4	6.0	0.0	00/10	7000		G1	1 (. ,	4:00			1.6
6	4	6.0	8.0	SS/18	7-8-8-8		Similar as	above (mo	oist, v	very stiff)			16
7													
/													
8	5	8.0	10.0	SS/20	6-8-8-7		Brown/Gra	w/Orongo	Sim	nilar as above (mois	at warm stiff)		16
0	3	0.0	10.0	33/20	0-0-0-7		DIOWII/GIE	ey/Orange	, 5111	mar as above (mois	si, very siiri)		10
9													
10													
10													
11													
**													
12													
-													
13	6	13.0	15.0	SS/11	7-5-11-6		Grey, Simi	lar as abo	ve (n	noist, very stiff)			16
							 -		\-				
14							Augers like	e Cobble l	begin	ning @ 14.0'			
L_									_	-			
15													
16													
17						 				ing @ 17.2'			
	7	17.7	17.8	SS/1	50@1"		Black SHA				l @ 17.7'		
18							Bottom of	Boring @	17.8	3'			
1.5													
19													

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks:

Test Boring Logs - Page 197 of 201

					orporate Drive	SI	JBSURF	ACE EX	KPL	ORATION	Boring No.		686
				-	racuse, NY 13057			BORI			Page No.		of 1
		ciates		I moner.	315-701-0522		11201	DOM	.10	200	Project No.		3062
Project	Name:			us, Clay,	New York						Date Started	05/	09/24
Client:		Rambo	oll								Date Finished	05/	09/24
Location	1:			on Locati							Surface Elev.	39	7.5'
		ME	THO	DS OF	INVESTIGATIO	N			GF	ROUNDWATER	OBSERVAT	IONS	
Driller:		H. Lyo	n		Casing:	3 ¼" ID	H.S.A.	D.4.		m	D (I. (E4.)	G	A4 (F4.)
Driller:		K. Cra	ndall		Casing Hammer:			Date		Time	Depth (Ft.)	Casing	At (Ft.)
Inspecto	r:	C. O'H	ara		Other:			05/09/24		While Drilling	5.8	1	0.0
Drill Ri	g:	CME 4	15		Soil Sampler:	2" OD S	Split Barrel	05/09/24	Befo	ore Casing Removed	6.5	1	7.0
Type:		ATV			Hammer Wt:	140 lbs.		05/09/24	Afte	er Casing Removed	5.0	(out
Rod Size	e:	AWJ			Hammer Fall:	30 in.		05/09/24		er Casing Removed	caved @ 15.0	(out
			BOR	ING S	AMPLES		VI			SIFICATION C		L	
	LO	ı		1100		1					, ivilia Estar		
Depth	a 1		Depth	Type /	Blows on	Depth of		coarse		1 25 . 50	20. 25	0.7	SPT "N"
Scale (Fact)	Sample	From	t.) To	Sample	Sampler Per 6 Inches	Change		medium - fine			% / some - 20 to 35		or
(Feet)	No.			Rec. (in.)		(Ft.)	_		11.		0% / trace - 0 to 10°	70	RQD %
0	1A	0.0	0.8	SS/18	WR-WH-1-4	·				erial (moist)	4 OD C 42 II	<u> </u>	1
	1B	0.8	2.0					-		, trace fine SAND	, irace ORGANI	ıC	
1							MATERIA	L (moist,	soft)				
	_						_	_					
2	2	2.0	4.0	SS/16	5-6-6-7		Brown SIL	T, trace C	CLAY	(moist, stiff)			12
3													
4	3	4.0	6.0	SS/15	4-7-7-8		Brown SIL	T, trace C	CLAY	(wet, stiff)			14
5													
6	4	6.0	8.0	SS/11	4-8-11-5		Similar as	above (we	et. vei	rv stiff)			19
	•	0.0	0.0	22,11	. 0 11 0				,	. j 5411)			
7													
,													
8	5	8.0	10.0	SS/20	5-6-8-13		Similar as	obovo (m	sist s	ıt:ff)			14
0	3	8.0	10.0	33/20	3-0-8-13		Similar as	above (inc	oist, s	sum)			14
9													
1.0													
10													
,,													
11													
12													
13	6	13.0	15.0	SS/13	5-6-8-13		Grey, Simi	lar as abo	ve (n	noist, stiff)			14
14													
15													
16													
							Augers like	Cobble l	pegin	ning @ 16.7'. Aug	ers harder begir	nning @	
17							16.9'.		<i>G</i> •	0		.0 0	
- /	7	16.9	17.0	SS/1	50@1"	<u> </u>	Black SHA	LE Fragr	nents	Auger Refusa	l @ 17.0'		50+
18	,	- 0.7	_,		3063		Bottom of						
10							Domoin of	zoring w	, 17.0				
19													
17													
—		I											

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks:

Test Boring Logs - Page 198 of 201

, ittaoiiii	ionic to C	NVIL IXC	portiv	arribor.	20002D-04-0724	_					est boiling Logs	i ugo	100 01 201
				6035 Co	orporate Drive	SI	IRSURF	ACE EX	ZPI (ORATION	Boring No.	B-	687
		IV		East Sy	racuse, NY 13057						Page No.	1	of 1
	Ass	ociates	s, Inc.	Phone:	315-701-0522		IESI	BORI	NG.	LUG	Project No.	28	3062
Project	Name:	Micror	n Campi	us, Clay,	New York	•					Date Started	05/	09/24
Client:		Rambo	oll								Date Finished	05/	09/24
Location	n:	See Ex	ploration	on Locati	on Plan						Surface Elev.		98.1'
		ME	THO	DS OF	INVESTIGATIO	N			GF	ROUNDWATER	OBSERVAT	IONS	
Driller:		H. Lyo			Casing:	3 ¼" ID	H.S.A.	Date		Time	Depth (Ft.)	Casino	At (Ft.)
Driller:		K. Cra			Casing Hammer:								
Inspecto		C. O'H			Other:			05/09/24		While Drilling	None Noted		3.0
Drill Ri	g:	CME 4	15		Soil Sampler:		Split Barrel			ore Casing Removed	11.8	1	7.9
Type:		ATV			Hammer Wt:	140 lbs.		05/09/24		er Casing Removed	4.2		out
Rod Siz		AWJ	DOD!	DIG G	Hammer Fall:	30 in.	X 7 T	05/09/24		er Casing Removed	caved @ 6.7		out
	LO	T		ING SA	AMPLES		VI	SUAL C	LAS	SSIFICATION C)F MATERIA	L	
Depth			e Depth	Type /	Blows on	Depth of	c -	- coarse					SPT "N"
Scale	Sample	_	t.)	Sample	Sampler	Change		medium			% / some - 20 to 35		or
(Feet)	No.	From	To	Rec. (in.)	Per 6 Inches	(Ft.)		- fine	3.6.4		0% / trace - 0 to 10°	%	RQD %
0	1A	0.0	0.7	SS/14	1-1-2-5	ļ				erial (moist)			3
1	1B	0.7	2.0				Brown SIL	1, trace C	LAY	, trace fine SAND	(moist, soft)		
1													
2	2	2.0	4.0	SS/18	6-5-7-9		Similar as	ahove (m	siet e	rtiff)			12
2		2.0	4.0	33/10	0-3-7-9		Sillillai as	above (III	0151, 5	stiii <i>)</i>			12
3													
3													
4	3	4.0	6.0	SS/15	4-6-6-8	Brown SILT, trace CLAY (moist, stiff)						12	
		1.0	0.0	55,15			Brown SIE	, , , , , ,	2211	(moist, still)			12
5	ľ												
6	4	6.0	8.0	SS/20	7-9-10-11		Similar as	above (me	oist, v	very stiff)			19
										• ,			
7													
8	5	8.0	10.0	SS/17	8-8-7-8		Similar as	above (me	oist, v	very stiff)			15
9													
10													
1 1													
11													
12													
12													
13	6	13.0	15.0	SS/12	5-10-7-9		Brown/Gra	y Simila	raça	bove (moist, very s	tiff)		17
13		15.0	15.0	00/12	J-10-/-7		וואסיים	y, Sililia	ı as a	oove (moist, very s			1 /
14													
1-T													
15													
							Augers har	rder begin	ınino	@ 15.5'			
16								55811	8				
17							Augers like	e Cobble l	begin	ning @ 17.1'.			
	7	17.9	17.9	SS/0	50@0"	1	Black SHA				Refusal @ 17.9'		50+
18							Bottom of						
								2 0					
19													
20	I	Ī		Ī	i	1	1						

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod Remarks:

Project Na Client: Docation: Driller: Driller: Driller: Driller: Driller: Driller: Driller: Driller: Sod Size: Depth Scale (Feet) 0	Example No. 1A	Rambo See Ex ME Beau F Ryan C CME 5 ATV AWJ	Campulli ploratic THO letcher casatelli 5	East Syr Phone: 3 us, Clay, on Location DS OF	INVESTIGATI Casing: Casing Hammer: Other: Soil Sampler: Hammer Wt: Hammer Fall:	ON 3 ¼" ID NQ-Cor	TEST H.S.A. re Split Barrel	Date 05/07/24	GROUNDWATER Time While Drilling	Depth (Ft.) 5.5	1 o 28 05/0 05/0 39 IONS	688 of 2 062 07/24 07/24 44.8'	
Project Na Client: Docation: Driller: D	Example No. 1A	Micron Rambo See Ex ME Beau F Ryan C CME 5 ATV AWJ G OF Sample (F	Campulli ploratic THO letcher casatelli 5 BORI Depth	Phone: 3 us, Clay, on Location DS OF	New York on Plan INVESTIGATIO Casing: Casing Hammer: Other: Soil Sampler: Hammer Wt: Hammer Fall:	3 ¼" ID NQ-Cor 2" OD S 140 lbs.	H.S.A. re Split Barrel	Date 05/07/24	GROUNDWATER Time While Drilling	Project No. Date Started Date Finished Surface Elev. OBSERVAT Depth (Ft.) 5.5	28 05/0 05/0 39 IONS Casing	062 07/24 07/24 04.8'	
Project Na Client: Docation: Driller: D	Example No. 1A	Micron Rambo See Ex ME Beau F Ryan C CME 5 ATV AWJ G OF Sample (F	Campulli ploratic THO letcher casatelli 5 BORI Depth	us, Clay, on Location DS OF	on Plan INVESTIGATI Casing: Casing Hammer: Other: Soil Sampler: Hammer Wt: Hammer Fall:	3 ¼" ID NQ-Cor 2" OD S 140 lbs.	H.S.A. re Split Barrel	Date 05/07/24	GROUNDWATER Time While Drilling	Date Started Date Finished Surface Elev. OBSERVAT Depth (Ft.) 5.5	05/0 05/0 39 IONS	07/24 07/24 04.8'	
Client: Docation: Oriller: Oriller: Oriller: Orill Rig: Orill Ris	Eample No. 1A	Rambo See Ex ME Beau F Ryan C CME 5 ATV AWJ G OF Sample (F From	ploratic THO letcher casatelli 5 BORI Depth	on Location DS OF	on Plan INVESTIGATIO Casing: Casing Hammer: Other: Soil Sampler: Hammer Wt: Hammer Fall:	3 ¼" ID NQ-Cor 2" OD S 140 lbs.	re Split Barrel	05/07/24	Time While Drilling	Date Finished Surface Elev. OBSERVAT Depth (Ft.) 5.5	05/0 39 IONS Casing	07/24 04.8' (At (Ft.)	
Depth Scale (Feet) 1 2 3	Eample No. 1A	See Ex ME Beau F Ryan C CME 5 ATV AWJ G OF Sample (F	ploratic THO letcher casatelli 5 BORI Depth t.)	NG SA	INVESTIGATI Casing: Casing Hammer: Other: Soil Sampler: Hammer Wt: Hammer Fall:	3 ¼" ID NQ-Cor 2" OD S 140 lbs.	re Split Barrel	05/07/24	Time While Drilling	Surface Elev. OBSERVAT Depth (Ft.) 5.5	39 IONS Casing	4.8' At (Ft.)	
Depth Scale (Feet) 1 2 3	Eample No. 1A	ME Beau F Ryan C CME 5 ATV AWJ G OF Sample (F From	THO letcher casatellic BOR Depth t.)	NG SA	INVESTIGATI Casing: Casing Hammer: Other: Soil Sampler: Hammer Wt: Hammer Fall:	3 ¼" ID NQ-Cor 2" OD S 140 lbs.	re Split Barrel	05/07/24	Time While Drilling	OBSERVAT Depth (Ft.) 5.5	IONS Casing	At (Ft.)	
Depth Scale (Feet) 1 2 3	Eample No. 1A	Beau F Ryan C CME 5 ATV AWJ G OF Sample (F	letcher 'asatelli 5 BORI Depth t.)	i ING SA	Casing: Casing Hammer: Other: Soil Sampler: Hammer Wt: Hammer Fall:	3 ¼" ID NQ-Cor 2" OD S 140 lbs.	re Split Barrel	05/07/24	Time While Drilling	Depth (Ft.) 5.5	Casing		
Depth Scale (Feet) 1 2 3	Eample No. 1A	CME 5 ATV AWJ G OF Sample (F	Sasatelli 5 BORI Depth t.)	ING SA	Casing Hammer: Other: Soil Sampler: Hammer Wt: Hammer Fall:	NQ-Cor 2" OD S 140 lbs.	re Split Barrel	05/07/24	While Drilling	5.5			
Depth Scale (Feet) 1 2 3	Eample No. 1A	CME 5 ATV AWJ G OF Sample (F	BORI Depth	ING SA	Other: Soil Sampler: Hammer Wt: Hammer Fall:	2" OD S 140 lbs.	Split Barrel	05/07/24	While Drilling	5.5			
Depth Scale (Feet) 1 2 3	LOC Sample No. 1A 1B	ATV AWJ G OF Sample (F	BORI Depth	ING SA	Soil Sampler: Hammer Wt: Hammer Fall:	2" OD S 140 lbs.	Split Barrel		-		1:	3.5	
Depth Scale (Feet) 1 2 3	LOC Sample No. 1A	ATV AWJ G OF Sample (F	BORI Depth	ING SA	Hammer Wt: Hammer Fall:	140 lbs.	-	05/07/24					
Depth Scale (Feet) 1 2 3	Eample No. 1A	AWJ G OF Sample (F	Depth t.)	ING SA	Hammer Fall:				Before Casing Removed	None Noted	6.0		
Depth Scale (Feet) 0 1 2 3	Sample No. 1A	Sample (F	Depth t.)	ING SA		30 in.		05/07/24 05/07/24	After Casing Removed	3.0 *		out	
Scale (Feet)	Sample No. 1A 1B	Sample (F From	Depth t.)		LOG OF BORING SAMPLES				After Casing Removed	caved @ 8.0		out	
Scale (Feet)	No. 1A 1B	(F From	t.)	Type /			VIX	SUAL C	LASSIFICATION C	F MATERIA	L	T	
(Feet) 0 1 2 3	No. 1A 1B	From	_		Blows on	Depth of	c -	coarse				SPT "N"	
0 1 2 3	1A 1B		To	Sample	Sampler	Change	m -	m - medium and - 35 to 50% / some - 20 to 35%					
1 2 3	1B	0.0		Rec. (in.)	Per 6 Inches	(Ft.)		f - fine little - 10 to 20% / trace - 0 to 10% and Organic Material (moist)				RQD %	
2 3			1.0	SS/19	WH-1-2-5		Topsoil and	d Organic	Material (moist)			3	
2 3		1.0	2.0			 	D CII	T 4	TAV (int G)		·		
3	_	1.0	2.0				Brown SIL	1, trace C	LAY (moist, soft)				
3	7 .	2.0	4.0	SS/20	5-6-8-10		Brown/Grey SILT, trace CLAY (moist, stiff)					1.4	
	2	2.0	4.0	SS/20	3-0-8-10		Drown/Gre	y SILI, tr	ace CLAY (moist, stiff)	1		14	
4													
7	3	4.0	6.0	SS/17	6-7-7-8		Brown Sin	nilar ac ab	ove (wet, stiff)			14	
	3	4.0	0.0	33/1/	0-7-7-8		Biowii, Sii	ililai as au	ove (wei, siiii)			14	
5													
5													
6	4	6.0	8.0	SS/19	7-8-9-13	Similar as above (moist, very stiff)						17	
	•	5.0	5.0	20/17	, 0 / 13	Similar as above (moist, very stiff)						''	
7													
8	5	8.0	10.0	SS/12	8-6-4-4		Grey SILT	T, little mf GRAVEL, trace cmf SAND (wet, stiff)					
										,		10	
9													
10													
11													
						l	<u> </u>			— — —			
12								-	— —		_ =		
13													
	6	13.5	15.0	SS/6	11-50-9			cmf GRA	AVEL, little SILT, little	cmf SAND (wet	, very	59	
14							compact)						
15													
							_		0				
16		1	21 -	~	370.0				0'. Set up to core.	To 1 (1) (2)	1.0"		
	R-1	16.0	21.0	C/58	NQ-Core				with interbedded SHAI	• '		60%	
17									ered, thinly laminated to	o medium bedde	d,		
1.0							medium ha						
18									d zone @ 17.6' - 17.8'.	1.10.01			
10									" - 3/4" thick) @ 18.6' a				
19									97% RQD: 36"/60" =	6U%			
20									and Fragments				
20	C	11 1	T., 1' /		-1- C C WIII	W ' 1 '	Continued	on Page 2) W-:-1, CD 1				
s - Split	. Spoo i			urbed Tu d to bori	ibe, C - Core, WH	- weight c	и паттет -	- K () (1 M/L					

CME Associates, Inc. 6035 Corporate Drive East Syracuse, NY 13057

SUBSURFACE EXPLORATION TEST BORING LOG

 Boring No.
 B-688

 Page No.
 2 of 2

 Project No.
 28062

						Project No. 2						
		G OF	BOR	ING SA	AMPLES	VISUAL CLASSIFICATION OF MATERIAL						
Depth Scale	Sample		e Depth	Type / Sample	Blows on Sampler	Depth of Change	c - coarse m - medium	and - 35 to 50	0% / some - 20 to 35%		SPT "N" or	
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)	f - fine		20% / trace - 0 to 10%		RQD %	
20			250				Continued from Page 1 1:00 min/ft, no water loss Coring conducted in 4th g	gear, 1700 rpm, 70			-00/	
22	R-2	21.0	26.0	C/56	NQ-Core		Grey DOLOSTONE with thick), slightly weathered, medium hard to hard.				78%	
23							Weathered zone ($<1/8$ " th Recovery: 56 "/ 60 " = 93 %					
24							RQD: 47"/60" = 78% 22 Pieces, 0" Chips and Fr					
25							1:00 min/ft, no water loss		20 . 1			
26							Coring conducted in 4th g Bottom of Boring @ 26.0		10 psi down press	ure.		
27												
28												
29	+											
30												
32												
33												
34												
35												
36												
37												
38												
39 40	+											
40												
42												
43												
44												
45	1											

, tttaoriiri	0.110 0		portre	difficol. I	20002D-04-0724						est borning Logs	. ugu	_0.0.20.
				6035 Co	orporate Drive	SI	IBSURF	ACE EX	XPI.	ORATION	Boring No.	B-	-689
		IV			racuse, NY 13057						Page No.	1	of 1
	Asso	ciates	s, Inc.	Phone:	315-701-0522		1621	BORI	NG.	LUG	Project No.	28	3062
Project 1	Name:	Micror	Camp	us, Clay,	New York						Date Started	05/	09/24
Client:		Rambo	_								Date Finished	05/	09/24
Location	1:	See Ex	ploration	on Locati	on Plan						Surface Elev.	39	95.2'
					INVESTIGATIO)N			GF	ROUNDWATER			
Driller:		H. Lyo			Casing:	3 ¼" ID	H.S.A.						
Driller:		K. Cra			Casing Hammer:			Date		Time	Depth (Ft.)	Casing	g At (Ft.)
Inspecto	r:	C. O'H			Other:			05/09/24		While Drilling	1.5	1	3.0
Drill Rig		CME 4	15		Soil Sampler:	2" OD S	Split Barrel			ore Casing Removed	2.9	14.5	
Type:	-	ATV			Hammer Wt:	140 lbs.	40 lbs. 05/09/24 After Casing Removed				3.9		out
Rod Size	e:	AWJ			Hammer Fall:	30 in.	30 in. 05/09/24 After Casing Remov				caved @ 7.6		out
	LOG OF BORING SAMPLES						VI	SUAL C		SIFICATION (L	
D 4			e Depth										CDT ID III
Depth Scale	Sample		t.)	Type /	Blows on Sampler	Depth of		coarse medium		and 25 to 50)% / some - 20 to 35	0/.	SPT "N" or
(Feet)	No.	From	То	Sample Rec. (in.)	Per 6 Inches	Change (Ft.)		- fine			20% / trace - 0 to 10 th		RQD %
0	1A	0.0	1.0	SS/18	WH-WH-1-2	(11)			Mate	erial (moist)	20707 11400 0 10 10	, ,	1
	111	0.0	1.0	55/10	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		l opson un	a organie	11140	eriar (moist)			1
1	1B	1.0	2.0			·	Brown SIL	T, trace C	CLAY	, trace fine SAND	(moist, soft)		
2	2	2.0	4.0	SS/15	8-9-7-7		Brown SILT, trace CLAY (moist, very stiff)						
3													
4	3	4.0	6.0	SS/17	7-8-7-7		Brown SILT, trace CLAY (moist, very stiff)						
5													
3													
6	4	6.0	8.0	SS/19	5-8-8-10		Brown/Grey, Similar as above (moist, very stiff)						16
7						ļ - -							
8	5	8.0	10.0	SS/17	8-7-9-4		Brown/Gra	w CII T 1	ittla r	nf GRAVEL, trace	amf SAND (ma	sist	16
0	3	8.0	10.0	33/1/	0-7-9-4		very stiff)	y SIL1, I	ittle i	III GKAVEL, II ace	ciii sand (iii	oist,	10
9							very siiii)						
9													
10													
							Augers gra						
11							Augers like	e Cobble l	begin	ning @ 11.2'			
12													
13	6	13.0	14.3	SS/5	2-6-50@4"		Grey/Prov	m SII T	ome	cmf SAND, trace f	ine CDAVEL (*	noist	50+
13	U	13.0	14.3	33/3	2-0-30(W4	<u> </u>	hard)	n Sill, S	OHE	cim sand, hace i	.mc OKAVEL (I	11015t,	30⊤
14	7	145	14.5	00/0	50 00"	[I — — -			·	P. C. J. C.	145'	50:
1.5	7	14.5	14.5	SS/0	50@0"					s in tip of spoon. A	uger Kefusal @	14.5'	50+
15							Bottom of	Boring (a)	14.5	, '			
16													
17													
18													
19													
20													

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod Remarks:



GENERAL INFORMATION & KEY TO TEST BORING LOGS

The **Subsurface Exploration** – **Test Boring Logs** produced **by CME Associates, Inc.** (CME) present observations and mechanical data collected by the CME Drill Crew while at the site, supplemented, at times, by classification of the materials removed from the borings determined through visual identification by technicians in the laboratory. It is cautioned that the materials removed from the borings represent only a fraction of the total volume of the deposits at the site and may not necessarily be representative of the subsurface conditions between adjacent borings or between the sampled intervals. The data presented on the Exploration Logs together with the recovered samples will provide a basis for evaluating the character of the subsurface conditions relative to the proposed construction. The evaluation must consider all the recorded details and their significance relative to each other. Often, analyses of standard boring data indicate the need for additional testing and sampling procedures to more accurately evaluate the subsurface conditions. Any evaluations of the contents of CME's report and the recovered samples must be performed by Licensed Professionals having experience in Soil Mechanics, Geological Sciences and Geotechnical Engineering. The information presented in this Key defines some of the methods, procedures and terms used on the CME Exploration Logs to describe the conditions encountered. Refer to the Log on page 4 for key number.

Key No. Description

- 1. The figures in the **DEPTH SCALE** column define the vertical scale of the Boring Log.
- 2. The SAMPLE NO. is used for identification on the sample containers and in the Laboratory Test Report or Summary.
- 3. The SAMPLE DEPTH column gives the depth range from which a sample was recovered.
- 4. The TYPE / SAMPLE RECOVERY column is used to signify the various types of samples. "SS is Split Spoon, "U" is Undisturbed Tube, and "C" is Rock Core. For soil and rock samples, the recovered length of the sample is recorded in inches.
- 5. BLOWS ON SAMPLER This column shows the results of the "Standard Penetration Test (SPT) ASTM D1586", recording the number of blows required to drive a 2-inch outside diameter (O.D.) split spoon sampler into the ground beneath the casing. The number of blows required for each six inches of penetration is recorded. The total number of blows required for the 6-inch to 18-inch interval is summarized in the SPT "N" column and represents the "Standard Penetration Number". The outside diameter of the sampler, the hammer weight and the length of drop are noted in the Methods of Investigation portion of the log. A "WH" or "WR" in this column indicates that the sample spoon advanced a 6-inch interval under the Weight of Hammer + Rod or Weight of Rod, respectively. If a rock core sample is taken, the core bit size designation is given here.
- 6. The **DEPTH OF CHANGE** column designates the depth (in feet) that the driller noted a compactness or stratum change. In soft materials or soil strata exhibiting a consistent relative density, it is difficult for the driller to determine the exact change from one stratum to the next. In addition, a grading or gradual change may exist. In such cases the depth noted is approximate or estimated only and may be represented by a dashed line. When continuous split spoon sampling is not employed, or an interval of several feet exists between samplings, the Depth of Change may not be indicated at all.
- 7. VISUAL CLASSIFICATION OF MATERIAL Soil materials sampled and recovered are described by the Driller or Geotechnical Representative on the original field log. Notes of the Drillers observations are also placed in this column. Recovered samples may also be visually classified by a Geologist, Engineer, or Soil Technician. Visual soil classifications are made using a modified Burmister System as practiced by CME and as generally described in this Key and abbreviated on the Test Boring Log. This modified Burmister System is a type of visual-manual textural classification estimated by the Driller, Geologist, Engineer, or Technician on the basis of weight-fraction of the recovered material and estimated plasticity, among other characteristics. See Table 1 "Classification of Materials". The description of the relative compactness or consistency is based upon the standard penetration number as defined in Table 2. The description of the recovered sample moisture condition is described as dry, moist, wet, or saturated. Water used to advance the boring may affect the moisture content of the recovered sample. Special terms may be used to describe recovered materials in greater detail, such terms are listed in ASTM D653. When sampling gravelly soils with a standard two-inch O.D. Split Spoon, the true percentage of gravel is often not recovered due to the relatively small sampler diameter. The presence of boulders, cobbles, and large gravel is sometimes, but not necessarily, detected by observation of the casing advancement and sampler blows and/or through the "action" of the drill rig, sampler and/or casing as reported by the Driller.

The description of **Rock** is based upon the recovered rock core. Terms frequently used in the description are included in Tables 3, 4 and 5. The length of core run is defined as length of penetration between retrievals of the core barrel from the bore hole, expressed in inches. The core recovery expresses the length of core recovered from the core barrel per core run, in percent. The size core barrel used is noted in Column 5. An "N" size core, being larger in diameter than "A" size core, often produces better recovery, and is frequently utilized where accurate information regarding the geologic conditions and engineering properties is needed. An estimate of in-situ rock quality is provided by a modified core recovery ratio known as the "**Rock Quality Designation**" (**RQD**). This ratio is determined by considering only pieces of core that are at least 4 inches long and are hard and sound. Breaks obviously caused by drilling are ignored. The percentage ratio between the total length of such core recovered and the length of core drilled on a given run is the RQD. Table 4 indicates in-situ rock quality as related to the **RQD**.

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- 8. The SPT "N" or RQD is given in this column as applicable to the specific sample taken. In Very Compact coarse-grained soils and in Hard fine-grained soils the N-value may be indicated as 50+ or 100+. This typically means that the blow count was achieved prior to driving the sampler the entire 6-inch interval or the sampler refused further penetration. For an "N" size rock core, the RQD is reported here, expressed in percent (%).
- 9. GROUNDWATER OBSERVATIONS and timing noted by the Drill Crew are shown in this section. It is important to realize that the reliability of the water level observations depend upon the soil type (e.g. water does not readily stabilize in a hole through fine grained soils), and that drill water used to advance the boring may have influenced the observations. Groundwater levels typically fluctuate seasonally so those noted on the log are only representative of that exhibited during the period of time noted on the log. One or more perched or trapped water levels may exist in the ground seasonally. All the available resources and data should be evaluated. If definite conclusions cannot be made, it is often prudent to examine the conditions more thoroughly through test pit excavations or through groundwater observation well installations.
- 10. METHODS of INVESTIGATION provides pertinent information regarding the identity of the Drill Crew members, inspector (if any), drill rig make and model, drill rig mount vehicle, casing and type of advancement, soil and rock sampling tools and appurtenances used in the installation of the Test Boring.

7	TABLE 1 - CLASSIFICATION OF MATERIALS						
GROUP	COARSE GRAINED SOILS TEXTURAL SIZES						
BOULDERS	larger than 12" diameter						
COBBLES	12" diameter to 3" sieve						
GRAVEL	3" - coarse - 1" - medium - 1/2" - fine - #4 sieve						
SAND	#4 - coarse - #10 - medium - #40 - fine - #200 sieve						
GROUP	FINE GRAINED SOILS SIZE (PLASTICITY*)						
SILT	#200 sieve (0.074mm) to 0.005mm size (see below *)						
CLAY	0.005mm size to 0.001 mm size (see below *)						
GROUP	ORGANIC SOILS, PEAT, MUCK, MARL						
ORGANIC	Based on smell, visual-manual and laboratory testing						

ABBREVIATIONS	TERM	ESTIMATED PERCENT OF TOTAL SAMPLE BY WEIGHT
f - fine	and	35 to 50%
m - medium	some	20 to 35%
c - coarse	little	10 to 20%
	trace	0 to 10%

		D	DRY STRENGTH TEST				
TERM	PLASTICITY INDEX	INDICATION	FIELD TEST RESULT				
non-plastic	0 - 3	Very low	falls apart easily				
slightly plastic	4 - 15	Slight	easily crushed by fingers				
plastic	15 - 30	Medium	difficult to crush				
highly plastic	31 or more	High	impossible to crush with fingers				

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Primary Soil Type	Descriptive Term of Compactness	Range of Standard Penetration Resistance (N)
COARSE GRAINED SOILS	Very Loose	less than 4 blows per foot
	Loose	4 to 10
(More than half of Material	Medium Compact	10 to 30
is larger than No. 200 sieve size)	Compact	30 to 50
	Very Compact	Greater than 50
FINE GRAINED SOILS	Descriptive Term of Consistency	Range of Standard Penetratio Resistance (N)
	Very Soft	less than 2 blows per foot
(More than half of material is	Soft	2 to 4
smaller than No. 200 sieve size)	Medium Stiff	4 to 8
,	Stiff	8 to 15
	Very Stiff	15 to 30
	Hard	Greater than 30

^{*}The number of blows of 140-pound weight falling 30 inches to drive a 2-inch O.D., 1-3/8 inch I.D. sampler 12 inches is defined as the Standard Penetration Resistance, designated "N".

	TABLE 3 - ROCK (CLASSIFICATION TERMS				
Rock Classification	n Terms	Field Test or Meaning of Term				
Hardness	Soft	Scratched by fingernail. Crumbles under firm blows with a geologic pick.				
		Shallow indentations (1 to 3 mm) can be made by firm blows of a geologic pick. Can be peeled with a pocketknife with difficulty.				
	Medium Hard	Scratched distinctly by penknife or steel nail. Can't be peeled or scraped with knife.				
		Scratched with difficulty by penknife or steel nail. Requires more than one blow with a geologic hammer to break it				
		Cannot be scratched by penknife or steel nail. Breaks only by repeated heavy blows with a geologic hammer.				
Bedding	Thinly Laminated Laminated	less than 1/8 th inch 1/8 th to 1 inch				
(Divisional planes	Thinly Bedded	1 inch to 4 inches				
and/or surfaces	Medium Bedded	4 inches to 12 inches				
separating it from layers	Thickly Bedded	12 inches to 48 inches				
above and below)	Massive	greater than 48 inches				

Relation of Roo	TABLE 4 Relation of Rock Quality Designation (RQD) and in-situ Rock Quality								
RQD %	Rock Quality Term Used								
90 to 100	Excellent								
75 to 90	Good								
50 to 75	Fair								
25 to 50	Poor								
0 to 25	Very Poor								

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	TABLE 5 – BEDROCK WEATHERING CLASSIFICATION								
Classification	Diagnostic Features								
Fresh	No visible sign of decomposition or discoloration. Rings under hammer impact.								
Slightly Weathered	Slight discoloration inwards from open fractures, otherwise similar to Fresh.								
Moderately Weathered	Discoloration throughout. Strength somewhat less than fresh rock but cores cannot be broken by hand or scraped with knife. Texture observed.								
Highly Weathered	Most minerals somewhat decomposed. Specimens can be broken by hand with effort or shaved with knife. Core stones present in rock mass. Texture becoming indistinct but fabric preserved.								
Completely Weathered	Minerals decomposed to soil, but fabric and structure preserved (e.g. Saprolite). Specimens easily crumbled or penetrated.								
Residual Soil	Advanced state of decomposition resulting in plastic soils. Rock fabric and structure completely destroyed. Large volume change.								

				6035 Cd	orp orate Drive	SUE	SURFA	CE EX	KPLORATION	Boring No.	В	3-2
		IV		-	acuse, NY 13057	""			NG LOG	Page No.	1	of 1
	Asso	ciates	s, Inc.	Phone: 3	315-701-0522		ILSI	DOKI	NG LOG	Report No.		
Project .	Name:									Date Started		
Client:		16								Date Finished		
Location	n:									Surface Elev.		
	METHODS OF INVESTIGATION GROUNDWATER								R OBSERVAT	IONS		
Driller: Driller:		10			Casing: Casing Hammer:	10		Date	Time	Depth (Ft.)	Casing	At (Ft.)
Inspecto	r:				Other:		1		While Drilling	9	9	
Drill Ri	g				Soil Sampler:		ĺ		Before Casing Removed			
Type:					Hammer Wt:		1		After Casing Removed			
Rod Siz	e:			3	Hammer Fall:				After Casing Removed			
	LO	GOF	BOR	ING SA	AMPLES	5	VIS	SUAL C	CLASSIFICATION C	OF MATERIA	L	190
Depth Scale (Feet)	Sample No.		e Depth t.) To	Type/ Sample Rec. (in.)	Blows on Sampler Per 6 Inches	Depth of Change (Ft.)	m -	coarse medium - fine)% / some - 20 to 35 20% / trace - 0 to 10°		SPT "N" or RQD%
1	2	3	3	4	5	6			7			8

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod Remarks:

Page 4 of 4 KEY 112619



TRANSMITTAL

March 14, 2024

Ramboll 333 West Washington Street Syracuse, New York 13202 315.420.8439

Attn: Andy Philips, Senior Project Manager

Re: Micron Healthcare and Childcare Facilities

Clay, New York

CEG Project No.: 173

Enclosed you will find:

Number of Copies	Report Number	Description						
1	173E-01-0324	Preliminary Site Characterization and Foundation						
		Considerations Report						

This report was emailed to the following recipients on 03/14/24:

Name	Company	Email Address
Andy Philips	Ramboll	andy.philips@ramboll.com

Respectfully Submitted,

CME ENGINEERING GROUP, D.P.C.

Anas N. Anasthas, P.E.

President

AA.jcs



March 14, 2024

Ramboll 333 West Washington Street Syracuse, New York 13202

Email: andy.philips@ramboll.com

Attn: Andy Philips, Senior Project Manager

Re: Preliminary Site Characterization and Foundation Considerations Report

Micron Healthcare and Childcare Facilities

Clay, New York

CEG Report No.: 173E-01-0324

Page 1 of 4

Gentlepeople:

1.0 INTRODUCTION

CME Engineering Group, D.P.C (CEG) is pleased to present this report to Ramboll. CEG is a subconsultant to CME Associates, Inc. (CME). This report is provided pursuant to CME Proposal/Agreement No.: 05.7285, dated 08/18/2023 (Agreement), which was executed by Ramboll via a Purchase Order (Ramboll PO # 1950007133, dated 10/27/2023).

CME completed a limited subsurface exploration in September 2023, for the original site layout depicted in the attached *October 2023 Preliminary Site Plan*, dated 10/04/2023. The attached *Geotechnical Data Report* (labeled CME Report Number: 28111B-01-1023, dated 10/23/2023) presents the exploration methodologies and exploration logs for the September 2023 explorations.

Ramboll recently provided the attached *December 2023 Preliminary Site and Grading Plans*, dated 12/08/023. These plans indicate that the proposed buildings have been moved to the north and outside the September 2023 exploration coverage areas. Therefore, an additional subsurface exploration program is warranted such that CEG can provide geotechnical engineering recommendations for the proposed buildings. Please refer to the attached *Proposed Exploration Location Plan*, labeled ELP-2, dated 03/13/2024, for approximate location of the September 2023 explorations and the proposed additional explorations.

According to Ramboll, the additional explorations depicted in ELP-2 will be authorized before commencement of foundation design for the proposed buildings. In the meantime, Ramboll requested preliminary geotechnical information, including foundation considerations for the proposed buildings. It is CEG's understanding that all proposed buildings will be single story

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without basement and proposed finish floor is planned at about 1 to 5 feet above existing grade.

2.0 SITE CHARACTERIZATION AND ENGINEERING SIGNIFICANCE

The September 2023 explorations identified a subsurface profile consisting of Silt and Clay, underlain by Sand and Gravel, underlain by probable Bedrock.

Below surfacing (about 0.6 to 0.9 feet of Topsoil and Organic Matter), a Silt and Clay stratum was penetrated to about 7 to 19 feet below grade, where a Sand and Gravel stratum was encountered. The Sand and Gravel stratum was penetrated to auger and/or sampler refusal depth, where probable bedrock was encountered at about 21 to 25 feet below grade.

The Silt and Clay stratum contains layers of very soft to soft Silty Clay or Clayey Silt, which will compress and/or consolidate under new loads (building foundation and slab loads and the weight of new structural fill to be placed to raise grades).

The thickness and consistency of the Clayey Silt and Silty Clay layers within the proposed building footprints (planned for the current site layout) are not known and shall be investigated via undisturbed Shelby tube sampling, laboratory index soil testing, and one-dimensional consolidation testing, during the pending exploration program.

The Silt and Clay stratum within the proposed building footprints may be thicker and/or softer than what was sampled in the September 2023 explorations. Therefore, raising site grades, and then utilizing conventional shallow foundations and slabs-on-grade for the proposed buildings may result in excessive/intolerable post-construction foundation, slab, and grade settlements.

3.0 PRELIMINARY FOUNDATION CONSIDERATIONS

Ground improvement via a surcharging and settlement monitoring program may be required to utilize conventional shallow footing foundations and slabs-on-grade for the proposed buildings. Alternatively, a deep foundation system with a structurally supported floor slab may be considered in lieu of the ground improvement and shallow foundation option.

1. Shallow Foundation System with Surcharging and Settlement Monitoring Program: The surcharging and settlement monitoring program will include constructing the building pad using permanent structural fill up to plan slab subgrade elevation and then adding a temporary surcharge fill above to a design height (or calculated load). The temporary surcharge will remain in-place over a design surcharge period, to be confirmed via a settlement monitoring program.

Installation of Prefabricated Vertical Drains (PVD) may be required to reduce the surcharge period. The design surcharge period will depend on several factors such as,

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but not limited to, height and density of the permanent structural fill, building loads, thickness and consolidation parameters of the Silt and Clay soils, and temporary surcharge load.

It is CEG's professional opinion that a surcharge program may be designed with appropriate temporary surcharge load and PVD spacing to limit the surcharge period to about 3 months, or less.

After satisfactory ground improvement via the above surcharging and settlement monitoring program, the proposed building may be supported utilizing conventional shallow footing foundations and slabs-on-grade. A presumptive soil bearing pressure of about 1,500 psf to 2,500 psf is likely feasible with this ground improvement option.

2. Deep Foundation System with Structurally Supported Floor Slab: Deep foundations consisting of driven timber piles or steel pipe piles are appropriate for this site.

Preservative treated timber piles with minimum tip diameter of 8-inches and pile shoe (steel driving point), driven to refusal on bedrock may be considered for about 20 to 30 tons axial service capacity per pile.

Closed-end, concrete-filled steel pipe pile (8.625" OD x 0.25" Wall Thickness, Minimum Yield Strength 50 ksi) driven to refusal on bedrock may be considered for about 40 to 50 tons axial service capacity per pile.

Specific site preparation and foundation design recommendations will follow under separate cover, after completion of the pending field exploration and laboratory testing program.

4.0 CLOSING

CEG has endeavored to conduct the services identified herein in a manner consistent with that level of care and skill ordinarily exercised by members of the geotechnical engineering profession currently practicing in the same locality and under similar conditions as this project.

Please do not hesitate to contact the undersigned engineers if you have any questions regarding this report, its conclusions, its recommendations, or its application to planning, design, and/or actual field conditions revealed in the future. CEG looks forward to working with the Design & Construction Teams and future interaction necessary to the success of this project.

CEG Report No.: 173E-01-0324

Page 4 of 4



Respectfully Submitted, CME ENGINEERING GROUP, D.P.C.

Anas N. Anasthas, P.E.

President

Reviewed By,

CME ENGINEERING GROUP, D.P.C.

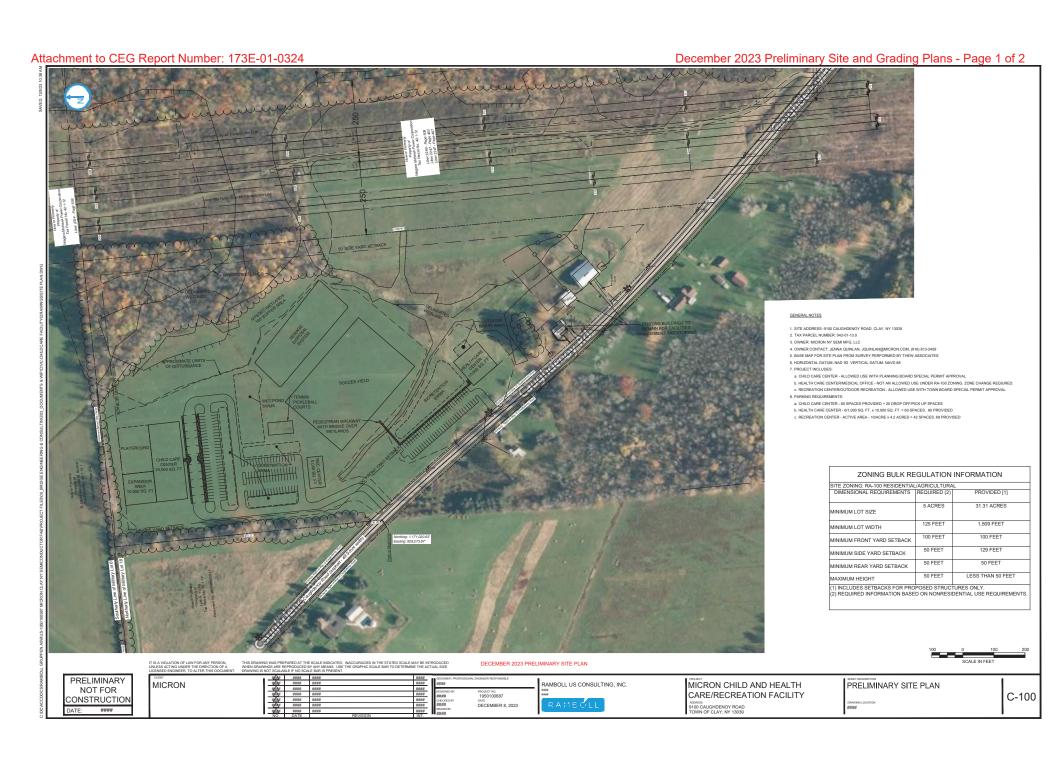
Christopher R. Paolini, P.E., MPS, EXWSM Vice President

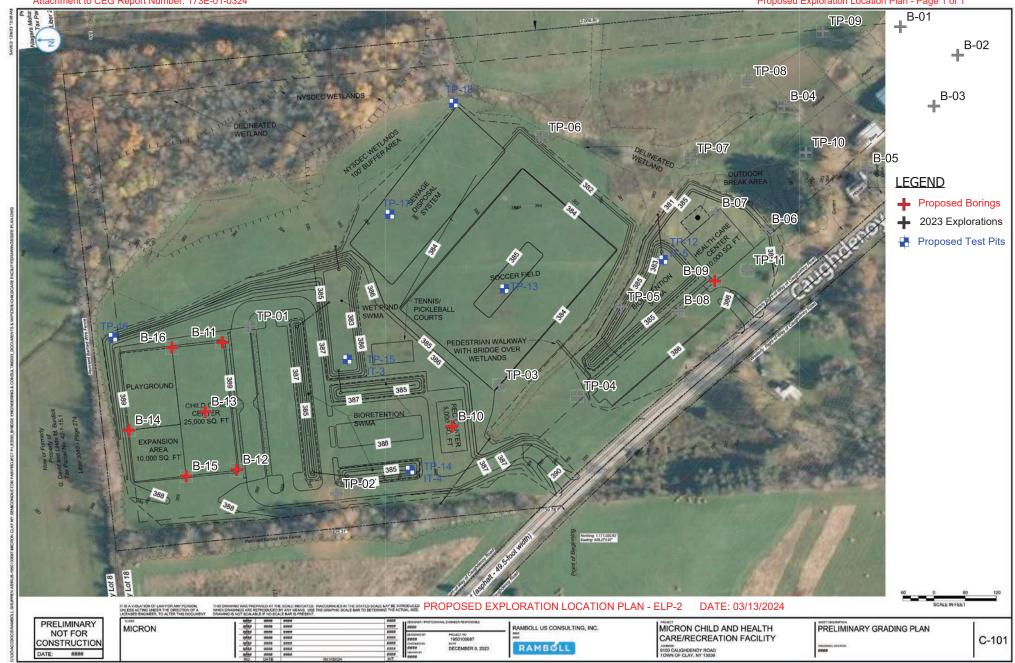
Attachments:

October 2023 Preliminary Site Plan (1 of 1)
December 2023 Preliminary Site and Grading Plans (2 of 2)

Proposed Exploration Location Plan (1 of 1)

Geotechnical Data Report (48 of 48)





Attachment to CEG Report Number: 173E-01-0324



6035 Corporate Drive East Syracuse, New York 13057 (315) 701-0522 (315) 701-0526 (Fax)

www.cmeassociates.com

October 20, 2023

Ramboll (Client) 333 West Washington Street Syracuse, New York, 13202 Phone: 315.420.8439

Attn: Mr. Andy Philips, Senior Project Manager

andy.philips@ramboll.com

Re: Geotechnical Data Report

Micron Healthcare and Childcare Facilities

Clay, New York

CME Report No. 28111B-01-1023

Page 1 of 3

1.0 INTRODUCTION

CME Associates, Inc. (CME) was retained by Ramboll (Client) to provide subsurface exploration and geotechnical services for the subject project. CME conducted a limited subsurface exploration at the subject project site in September 2023.

The Scope of Basic Services and this report have been provided pursuant to CME Proposal/Agreement No.: 05.7285, dated 08/18/2023. This report provides a summary of exploration activities conducted at the subject project site.

2.0 EXPLORATION METHODOLOGY

2.1 Exploration Layout and Utility Clearance

The exploration locations were selected by the Client and staked by Thew Associates (Thew). Following the field stakeout, CME contacted UDig NY to clear public utilities at the exploration locations. Private utilities at the exploration locations were cleared by Thew. No utility conflicts were noted at the exploration locations.

The attached *CME Exploration Location Plan* depicts the approximate locations of the explorations. Elevation at grade at the exploration locations, along with Northing and Easting coordinates, was provided by Thew (See Table 1, attached).

2.2 Test Borings

A total of 8 Test Borings were advanced using a Central Mine Equipment Model 55 (track-mounted) rotary exploration drill rig, equipped with 3-1/4" I.D. hollow stem augers. Soil sampling was conducted using a 140-pound hammer dropping through a distance of 30 inches to drive a 2" O.D. split barrel sampler in general conformance with ASTM Standard Practice D1586.

All Borings were backfilled with auger cuttings to nearly match the existing grade.

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Soil samples were logged and visually classified in the field by the driller or an on-site Geologist, and a portion of each soil sample was placed and sealed in a glass jar. The soil classifications were later reviewed by a CME Engineer in CME's East Syracuse AASHTO resource¹ Accredited Laboratory. The visual soil and classifications were made using a modified Burmister Classification System, as practiced by CME and as generally described in the attached document entitled, *General Information & Key to the Test Boring Logs*. The *Test Boring Logs* are attached.

2.3 Test Pits

A total of 11 Test Pits were excavated using a Link Belt Model LNK 27 excavator, equipped with a 24-inch-wide general-purpose bucket. The Test Pits were excavated and backfilled by a subcontractor to CME. The backfill consisted of excavated materials placed in 2 to 3 feet thick lifts, with each lift compacted using the excavator bucket making several hits. CME Engineers Chen Liu, Ph.D., EIT and /or Astitwa Sharma, E.I.T. were on-site to observe the Test Pit excavation, take photographs and prepare Test Pit Logs. *Test Pit Logs*, labeled TP-1 through TP-11 and *Test Pit Photographs*, are attached to this Report.

2.4 Infiltration Testing

A total of 2 Infiltration Tests (labeled IT-1 and IT-2) were performed. The tests were performed in general conformance with the requirements of the New York State Stormwater Management Design Manual, Appendix D: Infiltration Testing. The test details and results are given in the attached *Infiltration Test Reports*.

3.0 STANDARD OF CARE

CME endeavored to conduct services identified herein in a manner consistent with that level of care and skill ordinarily exercised by members of the industry currently practicing in the same locality and under similar conditions as this project. No warranty, either expressed or implied, is made or intended by CME's proposal, contract, and written and oral reports, all of which warranties are hereby expressly disclaimed. CME shall not be responsible for the acts or omissions of the Client, its contractors, agents, and consultants. CME may rely upon information supplied by Client, its contractors, agents, and consultants or information available from generally accepted reputable sources, without independent verification, and CME assumes no responsibility for the accuracy thereof.

4.0 CLOSING

CME's services have been provided according to the requirements of the referenced CME Proposal/Agreement. No other representations, expressed or implied, are intended or made with respect to the information provided herein, including but not limited to, its suitability for use by others.

¹ **AASHTO re:source** – American Association of State Highway & Transportation Officials (AASHTO) Materials Reference Laboratory, a Federal Agency having jurisdiction to assess laboratory competency according to the Standards of the United States of America. CME East Syracuse accreditation includes testing of Portland Cement Concrete, Aggregate and Soil Materials. www.AASHTOresource.org.

CME Report No.: 28111B-01-1023

Page 3 of 3



Respectfully Submitted, **CME Associates, Inc.**

Reviewed by: **CME Associates, Inc.**

Astitwa Sharma, E.I.T. Staff Engineer

Chentin for

Anas N. Anasthas, P.E. Senior Geotechnical Engineer

Attachment Listing:

Exploration Location Plan (1 of 1)
Table 1 (1 of 1)
Infiltration Test Reports (2 of 2)
Test Boring Logs (15 of 15)
Test Pit Logs (11 of 11)
Test Pit Photographs (11 of 11)
General Information & Key to Test Boring Logs (4 of 4)



ATTACHMENT TO CME REPORT NO. 28111B-01-1023

TABLE 1 - GPS COORDINATES AND ELEVATIONS

Point IT	Latitude	Longitude	Northing	Easting	Elevation	Boring ID
5018	43.21126	-76.17084	1170343	930175.2	379.0	B-01
5019	43.21096	-76.17106	1170234	930115.8	382.1	B-02
5020	43.21109	-76.17142	1170281	930019.3	384.3	B-03
5016	43.21188	-76.17138	1170568	930029.7	380.1	B-04
5021	43.21145	-76.17185	1170409	929904.8	387.4	B-05
5012	43.21199	-76.17226	1170606	929795	382.3	B-06
5011	43.21225	-76.17213	1170703	929827.7	381.9	B-07
5003	43.21246	-76.17282	1170777	929643.6	383.4	B-08
5008	43.21472	-76.17282	1171602	929640.1	388.2	TP-01
5007	43.21428	-76.17405	1171440	929313.6	387.9	TP-02
5006	43.21341	-76.17331	1171122	929511.7	384.1	TP-03
5005	43.213	-76.17341	1170972	929484.9	384.9	TP-04
5004	43.21276	-76.17278	1170886	929653.7	382.3	TP-05
5009	43.21316	-76.17154	1171033	929984.3	380.9	TP-06
5010	43.21238	-76.17173	1170749	929933.3	380.0	TP-07
5014	43.21207	-76.17119	1170639	930079.4	381.8	TP-08
5017	43.21167	-76.17085	1170492	930171.4	380.8	TP-09
5015	43.21177	-76.17172	1170526	929938.1	381.2	TP-10
5013	43.21209	-76.17255	1170643	929715.2	384.2	TP-11

Attachment to CEG Report Number: 173E-01-0324

INFILTRATION TEST REPORT



												ASSUCI	ates, inc
					Гest II	`	lear T	est Pit	TP-6)				
Project:	Micron Healthcare and Childcare Facilities						CMI	E Report No.:	281111	B-01-10	023		
	Clay, NY								Test Date:				
Client:	Rambo	Ramboll						Т	est Location:				Plan
									Technician:	Astitw	a Sharr	na, EIT	
Test Pre			<u>Dimensions</u>										
		_	Installed in:		Test Pi				Borehole				
(Casing 1	Diamet	er and Type:	4	inch I.I	D. HDPE	-						
A	Existin	ng Grad	le Elevation (ft):							380.9	±	
		-	p Length Ab								3.30	-	
	_		g Elevation (f								384.2	±	
D	Depth	to Bott	om of Test H	ole, Be	low Top	of Casing (1	ft):				8.20	-	
Е	Botton	n of Te	st Hole Eleva	tion:					(C-D)=		376.0	±	
	Burmi	ster Cla	ssification of	Soil at	Botton	n of Hole: Gr	ey/Red	dish Br	own mottled	SILT, s	ome CI	LAY, trace fi	ine SAND
			ype of Scour/			•			5" of Pe		el		
			e Pre-Soaked				. 09/2	27/23	Time:	12	:35	<u>-</u>	
	Depth		er Level, Belo	•		•							
			After Pre-So				_						
		Just Pr	ior to First Te	est Filli	ng (ft):	6.2	-	Date:	9/28/2023		Time:	12:50	_
Test Obs	ervatio	<u>ns</u>											
		Rui	n 1		Rui	n 2	Run 3			Run 4]
			p			р г.			ы <u>г</u>			p 20	1
		ime	Nate low sing		ime	Nate low sing		ime	to Wate Below Casing		ime	Nato low sing	
	ime n)	T p;	to V Bel f Ca	ime n)	t D	to V Bel f Ca	ime n)	T p	to V Bel f Ca	ime m)	T p;	to \\ Be \\ Ca	
	Real Time (hh:mm)	Elapsed Time (h:mm)	Depth to Water Level, Below Top of Casing (feet)	Real Time (hh:mm)	Elapsed Time (h:mm)	Depth to Water Level, Below Top of Casing (feet)	Real Time (hh:mm)	Elapsed Time (h:mm)	Depth to Water Level, Below Top of Casing (feet)	Real Time (hh:mm)	Elapsed Time (h:mm)	Depth to Water Level, Below Top of Casing (feet)	
	Re (h)	, , –		Re (h)	, , –	De Le To (fe	Re (h)	Elg (h:	De Le To fe	Re (h)	, , ,	Le To To Te	_
		0:00	6.2		0:00			0:00			0:00		<u> </u>
		0:01	6.2		0:01			0:01			0:01		<u> </u>
		0:02	6.2		0:02			0:02			0:02		-
		0:03	6.2		0:03			0:03			0:03		
		0:05	6.2		0:05			0:05			0:05		
		0:10	6.2		0:10			0:10			0:10		
		0:15	6.2		0:15			0:15			0:15		
		0:30	6.2		0:30			0:30			0:30		
		0:45	6.2		0:45			0:45			0:45]
		1:00	6.2		1:00			1:00			1:00]
Test Res	ults												
					D1100	Run 1	D.,	n 2	Run 3	D.,	n 4	1	
	Run: Infiltration Rate (feet/hour):					0.0	Ku	Π Ζ	Kuii 3	Ku	II 4		
	Infiltration Rate (inches/hour):												
					/	0.0			D 1		0 11 0	J	
	Final Infiltration Rate (inches/hour):							<u> </u>	Based on ave	•		ır runs	
N T : : : :								✓	Based on res				
Note(s)	1. Test po	erformed i	n general conform	ance with	NYS Stor	mwater Managem	ent Desig	n Manual,	Appendix D: Infil	tration Te	sting Req	uirements.	

Attachment to CEG Report Number: 173E-01-0324

INFILTRATION TEST REPORT



Test ID: IT-2 (Near Test Pit TP-1)													
Project:	Micron	1 Healtl	ncare and Chi	ldcare	Facilitie	es		CMI	E Report No.:	28111	B-01-10	023	
	Clay, NY								Test Date: 09/28/23				
Client:	Rambo	oll						Т	est Location:	See Ex	See Exploration Location Plan		
									Technician:	Astitwa Sharma, EIT			
Test Pre	Test Preparation and Dimensions												
	(Casing	Installed in:	4	Test Pi	t			Borehole				
(Casing l	Diamete	er and Type:	4	inch I.D	D. HDPE							
A	Existin	ng Grad	e Elevation (ft):					ı		388.2	±	
B Casing Stickup Length Above Grade (ft): 3.00													
C	Top of	Casing	g Elevation (f	t):					(A+B)=		391.2	±	
D	Depth	to Bott	om of Test H	ole, Bel	low Top	of Casing (f	t):				8.30		
E	Botton	n of Tes	st Hole Eleva	tion:					(C-D)=		382.9	±	
	Burmis	ster Cla	ssification of	Soil at	Botton	n of Hole: Bro	own mo	ttled S	ILT, some CI	AY, tr	ace fine	SAND	
	Thickn	ness&T	ype of Scour/	Sedime	nt Prote	ection Layer l	Installe	d:	3" of Pe	a Grav	el	_	
	Date a	nd Tim	e Pre-Soaked	:			09/2	7/23	Time:	13	:10		
	Depth	to Wate	er Level, Belo	ow Top	of Casi	ing			_			•	
		Just	After Pre-So	ak Filli	ng (ft):	6.3							
		Just Pr	ior to First Te	est Filli	ng (ft):	6.3	-	Date:	9/28/2023	1	Time:	13:33	
Test Obs	ervatio	ns											
		Rui	n 1		Rur	n 2	Run 3			Run 4			
	1 1				. т.			ы			h		
		Elapsed Time (h:mm)	Depth to Water Level, Below Top of Casing (feet)		Elapsed Time (h:mm)	Depth to Water Level, Below Top of Casing (feet)		Elapsed Time (h:mm)	Depth to Water Level, Below Top of Casing (feet)		Elapsed Time (h:mm)	Depth to Water Level, Below Top of Casing (feet)	
	ime n)	d Ti	to V Bel Ca	ime n)	d Ti	to V Bel Ca	ime n)	d Ti	to V Bel Ca	ime n)	d Ti	to V Bel Ca	
	Real Time (hh:mm)	Elapsed (h:mm)	Depth to Wat Level, Below Top of Casing (feet)	Real Time (hh:mm)	Elapsed (h:mm)	Depth to Wat Level, Below Top of Casing (feet)	Real Time (hh:mm)	Elapsed (h:mm)	Depth to Wat Level, Below Top of Casing (feet)	Real Time (hh:mm)	Elapsed (h:mm)	Depth to Wat Level, Below Top of Casing (feet)	
	Re (hh	Ela (h::	De Lev Toj (fe	Re (hh	Ela (h::	De Lev Toj (fe	Re (hb	Ela (h::	De Lev Toj (fe	Re; (bb	Ela (h::	Depth Level Top o (feet)	
		0:00	6.3		0:00			0:00			0:00		
		0:01	6.3		0:01			0:01			0:01		
		0:02	6.3		0:02			0:02			0:02		
		0:03	6.3		0:03			0:03			0:03		
		0:05	6.3		0:05			0:05			0:05		
		0:10	6.3		0:10			0:10			0:10		
		0:15	6.3		0:15			0:15			0:15		
		0:30	6.3		0:30			0:30			0:30		
		0:45	6.3		0:45			0:45			0:45		
		1:00	6.3		1:00			1:00			1:00		
Test Res	ults												
					Run:	Run 1	D.,	n 2	Run 3	D.,	n 4		
		T.	nfiltration Ra	ta (fact		0.0	Run 2		Kuii 3	KU	11 4		
			0.0										
Infiltration Rate (inches/hour):													
	Final	l Infiltı	ration Rate (inches/	hour):	0.0		. 🔲	Based on ave	_		ır runs	
								✓	Based on res				
Note(s)	1. Test pe	erformed i	n general conform	ance with	NYS Stor	mwater Managem	ent Design	n Manual,	, Appendix D: Infil	tration Te	sting Req	uirements.	

		M	F		orporate Drive racuse, NY 13057	SUBSURFACE EXPLORATION S							B-1 of 2
	Ass	ociates	. Inc.	-	315-701-0522		TEST	BORI	NG 1	LOG	Report No.		3-01-1023
Project			-0		Childcare Facilities, C	lari Marri	Vouls				Date Started		27/23
Client:	Name:	Rambo		icare and	Childcare Facilities, C.	iay, New	1 OFK				Date Started Date Finished		27/23
Location				T4	D1						Surface Elev.		79.0'
Locatio	ш;			on Locati	INVESTIGATIO	N			CR	ROUNDWATER			79.0
Driller:		Gary R			Casing:	3 ¼" ID	нсл		GI	CONDWATER	ODSERVAI	10115	
Driller:		Dan M			Casing Hammer:	3 /4 ID	11.5.A.	Date		Time	Depth (Ft.)	Casing	At (Ft.)
Inspecte		Bryan	•	5411	Other:			09/27/23		While Drilling	7.4	1	6.0
Drill Ri		CME 5			Soil Sampler:	2" OD S	Split Barrel			re Casing Removed	6.9		2.0
Type:	6 .	ATV			Hammer Wt:	140 lbs.	_	09/27/23		er Casing Removed	4.2		out
Rod Siz	e:	AWJ			Hammer Fall:	30 in.		09/27/23		er Casing Removed	caved @ 14.6	(out
	LO	G OF	BOR	ING SA	AMPLES		VI	SUAL C		SIFICATION C		L	
Depth		ī	Depth		Blows on			- coarse					SPT "N"
Scale	Sample	_		Type / Sample	Sampler	Depth of Change		medium		and - 35 to 50	% / some - 20 to 35	%	or
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	(Ft.)		- fine			0% / trace - 0 to 109		RQD %
0	1A	0.0	0.7	SS/13	WH-2-2-4		Dark Brow	n SILT, s	ome (CLAY, trace ROO			4
1	1B	0.7	2.0			Grey/Brown CLAY, some SILT, trace fine stiff)					SAND (moist, m	edium	
2	2	2.0	4.0	SS/18	4-4-6-6	Grey/Brown mottled CLAY, little SILT (n				Y, little SILT (mo	ist, stiff)		10
3				~~/10									
5	3	4.0	6.0	SS/10	1-3-2-3	Brown/Grey CLAY, little SILT, little cmf GRAVEL, trace cmf SAND (moist, medium stiff)							5
6	4	6.0	8.0	SS/20	3-5-5-6		Brown/Gre	ey SILT, s	ome (CLAY (wet, stiff)			10
7													
8	5	8.0	10.0	SS/21	1-2-2-3		Brown/Grestiff)	ey CLAY	and S	SILT, trace fine SA	ND (wet, mediu	m	4
9	 												
11													
12													
13													
14	6	14.0	16.0	SS/22	WH-WH-WH-1		Grey/Brow	n CLAY,	some	e SILT (wet, very s	oft)		0
15													
16	7A	16.0	17.4	SS/19	WH-WH-2-8					SILT (wet, soft)			2
17	7B	17.4	18.0			Grey cmf SAND, some fine GRAVEL, little SILT (wet) Augered gravelly beginning @ 17.6'							
18	8	18.5	20.5	SS/6	4-22-14-8	Grey weathered ROCK FRAGMENTS, little SILT (moist)					36		
20							Continued	on Page 2	,				

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod Remarks:

		V	F		orporate Drive	SU	JBSURFACE EXPLO	RATION	Boring No. Page No.	B-1 2 of 2
	Ass	ociate	s, Inc.	Phone: 3	racuse, NY 13057 315-701-0522		TEST BORING L	OG	Report No. 28	
					MPLES		VISUAL CLASS	SIFICATION	=	711111111111111111111111111111111111111
Depth Scale (Feet)	Sample No.	Sample	e Depth	Type / Sample Rec. (in.)	Blows on Sampler Per 6 Inches	Depth of Change (Ft.)	c - coarse m - medium f - fine	and - 35 to 5	10% / some - 20 to 35% 20% / trace - 0 to 10%	SPT "N" or RQD %
20	INO.	FIOIII	10	Rec. (III.)	rei o iliches	(Ft.)	Continued from Page 1	ittle - 10 to	20767 trace - 0 to 1076	KQD 70
21	9	22.0	22.3	SS/4	100@4"		Augers harder beginning @ Similar as above (moist) - S			100+
22		22.0	22.3	55/4	100@4		Bottom of Boring @ 22.3'	эроон гезизиг 🏻	22.3	1001
23										
24										
26										
27										
28										
29										
30										
31										
32										
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40	_									
41										
42										
43										
44										

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

				6035 Co	orporate Drive	SI	JBSURF	ACE EX	KPLO	RATION	Boring No.	E	3-2
		IV	Ę	East Syr	racuse, NY 13057	TEST RODING LOC Page No.							of 2
	Asso				315-701-0522			DOKI	NGL	OG .	Report No.	28111E	3-01-1023
Project	Name:	Micron	n Healtl	ncare and	Childcare Facilities, Cl	lay, New	York				Date Started	09/	26/23
Client:		Rambo	oll								Date Finished	09/	26/23
Location	n:			on Locati							Surface Elev.		32.1'
		ME	THO	DS OF	INVESTIGATIO				GRO	DUNDWATER	R OBSERVAT	IONS	
Driller: Driller:		-	Cichards IacDoug		Casing: Casing Hammer:	3 ¼" ID	H.S.A.	Date		Time	Depth (Ft.)	Casing	g At (Ft.)
Inspecto	r:	Bryan	_		Other:			09/26/23	V	Vhile Drilling	10.2	1	4.0
Drill Ri	g:	CME 5	55		Soil Sampler:	2" OD S	Split Barrel	09/26/23	Before	e Casing Removed	12.3	2	3.0
Type:		ATV			Hammer Wt:	140 lbs.		09/26/23	After	Casing Removed	6.1	(out
Rod Siz		AWJ			Hammer Fall:	30 in.		09/26/23		Casing Removed	caved @ 13.8		out
	LO	G OF	BOR	ING SA	AMPLES		VI	SUAL C	LASS	SIFICATION (OF MATERIA	L	
Depth		Sample	e Depth	T/	Blows on	Depth of	c -	- coarse					SPT "N"
Scale	Sample		t.)	Type / Sample	Sampler	Change		medium		and - 35 to 50	0% / some - 20 to 35	%	or
(Feet)	No.	From	To	Rec. (in.)	Per 6 Inches	(Ft.)	f	- fine		little - 10 to 2	20% / trace - 0 to 10°	%	RQD %
0	1A	0.0	0.6	SS/17	1-3-6-8	l				trace ROOTS (m			9
1	1B	0.6	2.0				Grey/Brow	n mottled	l SILT,	trace CLAY (mo	oist, stiff)		
2	2	2.0	4.0	SS/22	6-5-4-4		Grey/Brow stiff)	n mottled	l SILT,	little CLAY, trac	ce fine SAND (n	noist,	9
3													
4	3	4.0	6.0	SS/14	3-2-2-2		Brown/Grestiff)	ey SILT, s	some C	LAY, trace fine S	SAND (moist, m	edium	4
5													
6	4	6.0	8.0	SS/18	2-2-1-2		Brown/Gre	ey mottled	l SILT,	little CLAY (we	t, soft)		3
7													
8	5	8.0	10.0	SS/18	1-2-2-2		Brown CL	AY, some	: SILT,	trace fine SAND) (wet, medium s	stiff)	4
9													
10													
11													
12													
13						<u> </u>	Augered g						
14	6	14.0	16.0	SS/8	16-11-9-7		Brown cm: compact)	f SAND a	nd mf	GRAVEL, trace S	SILT (wet, medi	um	20
15													
16													
17 18													
18													
19	7	19.0	20.9	SS/15	28-61-60-100@5"		compact)			f SAND, some S	ILT (moist, very		121
20	lit Cnaa				uha C. Cara WH V		Continued	on Page 2		sight of Dod			

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Boring No. **B-2** 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 2 of 2 **TEST BORING LOG** Associates, Inc. Phone: 315-701-0522 Report No. 28111B-01-1023 VISUAL CLASSIFICATION OF MATERIAL LOG OF BORING SAMPLES Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35%Sample Change From To Per 6 Inches f - fine little - 10 to 20% / trace - 0 to 10% RQD % (Feet) No. (Ft.) Rec. (in.) 20 Continued from Page 1 Spoon refusal @ 20.9' 21 22 SS/16 8 25.0 Grey weathered ROCK FRAGMENTS, little SILT (wet) 93 23 23.0 34-56-37-32 24 25 Bottom of Boring @ 25.0' 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Micron Healthcare and Childcare Facilities, Clay, New York Date Started 09/27/23 Coation: See Exploration Location Plan Surface Elev. 384.3' METHODS OF INVESTIGATION GROUNDWATER OBSERVATIONS Iriller: Gary Richards Casing: 3 ¼" ID H.S.A. Iriller: Dan MacDougall Casing Hammer: Inspector: Bryan Reles Other: O9/27/23 While Drilling 12.6 19.0 Iriller: Oyer ATV Hammer Wt: 140 lbs. Oyer ATV Hammer Fall: 30 in. Oyer		Ass	Ciates	E, Inc.	East Sy	orporate Drive racuse, NY 13057 315-701-0522	SU		ACE EX		ORATION LOG	Boring No. Page No. Report No.	1	B-3 of 2 B-01-1023
Notice Parameter Section Parameter Surface Parameter Surface Parameter P	Project	Name:	Micror	1 Health	ncare and	Childcare Facilities,	Clay, New	York				Date Started		
METHODS OF INVESTIGATION GROUNDWATER OBSERVATIONS Casing Rimmer; Willer: Dam MacDougal Casing Hammer; Other: Casing Rimmer; Other:	Client:												09/	27/23
Time	Location	n:												34.3'
Part Filter Data MacDougal Casing Hammer: specifor: Byspector: Bysp										GI	ROUNDWATER	OBSERVAT	IONS	
Sample Park	Driller:		•			=	3 ¼" ID	H.S.A.	Date		Time	Denth (Ft.)	Casing	At (Ft.)
Solid Sampler CME 15 Soli Sampler 2*00 Spit Barrie 992/2723 Before Casing Removed 7.2 out of Size AW Hammer Fall 30 in. 992/273 After Casing Removed 7.2 out of Size 10 10 10 10 10 10 10 1					gall	_						_		
Manuer With Hammer With 140 lbs.	_						AH O.D. (D. C				
Mark		g:)5		_		-						
Depth Series Sample Sample Depth Sample Sam		0.									-			
Depth of (Pt) Sample Sample Pto (Pt) Sample Pto (Sample Pt	tou Siz			ROD.	INC S		30 III.	VI						Jui
Sample (Pt.) Sample (Pt.) Sample (Pt.) Sample (Pt.) Sample (Pt.) Sample (Pt.)		LO	ı		LING SE			V 1	SUAL C	LAN		JE MIATEKIA	L	1
Fig. 1 No. From To. Sec. (m.) Per 6 Inches (m.) Fig. (m.) Inches Inches Rep 1 Rep 2 Rep 1	Depth	G .									1 25 - 5	MO/ / CO : 5-	0/	SPT "N"
1		_			-	_								
1	` ′						(Ft.)			race			/ 0	1
1	U				00/13	1-3-4-3	·						 11m	,
2	1	ענ	0.0	2.0					ıı CLAI,	30111	ic Silli, nace ROO	15 (moist, medi	W111	
3	1							[Suii)						
3	2.	2.	2.0	4.0	SS/16	4-6-5-5		Grev/Brow	n CLAY	som	e SILT (moist_stiff	•)		11
3	-	_	2.0		25/10	1000			,	JOIN	. Sili (moisi, siiii	•)		
3	3													
S														
S	4	3	4.0	6.0	SS/19	2-2-2-1		Brown CL.	AY and S	ILT ((wet, medium stiff)			4
Brown SILT and CLAY (wet, medium stiff) 5	•	_								'	,			
Brown SILT and CLAY (wet, medium stiff) 5	5													
S - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod	-													
S	6	4	6.0	8.0	SS/17	3-3-2-3		Brown SIL	T and CL	AY ((wet, medium stiff)			5
8 5 8.0 10.0 SS/22 2-2-2-1 Brown CLAY, some SILT (wet, medium stiff) 4											,			
9 10 11 12 13 14 6 14.0 16.0 SS/17 11-14-33-14 Brown mf GRAVEL and cmf SAND, little SILT (wet, compact) 47 18 19 7 19.0 21.0 SS/5 1-5-4-7 Grey mf GRAVEL and cmf SAND, little CLAY, little SILT (wet, 9 loose) Continued on Page 2 S - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod	7													
9 10 11 12 13 14 6 14.0 16.0 SS/17 11-14-33-14 Brown mf GRAVEL and cmf SAND, little SILT (wet, compact) 47 18 19 7 19.0 21.0 SS/5 1-5-4-7 Grey mf GRAVEL and cmf SAND, little CLAY, little SILT (wet, 9 loose) Continued on Page 2 S - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod														
10	8	5	8.0	10.0	SS/22	2-2-2-1		Brown CL	AY, some	SIL	T (wet, medium sti	ff)		4
10														
11	9													
11														
12	10													
12	1.1													
13	11													
13	12													
13	12							Augarada	ravally be	ainn	ina @ 12 0'			
14	12						}	Augerea gi	aveny be	gınnı	ıng w 12.9			
15 16 17 18 19 7 19.0 21.0 SS/5 1-5-4-7 Grey mf GRAVEL and cmf SAND, little CLAY, little SILT (wet, 9 loose) Continued on Page 2 S - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod	13													
15 16 17 18 19 7 19.0 21.0 SS/5 1-5-4-7 Grey mf GRAVEL and cmf SAND, little CLAY, little SILT (wet, 9 loose) Continued on Page 2 S - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod	14	6	14 0	16.0	SS/17	11_14_33_14		Brown mf	GRAVEI	and	cmf SAND little S	SII T (wet comp	act)	47
16 17 18 19 7 19.0 21.0 SS/5 1-5-4-7 Grey mf GRAVEL and cmf SAND, little CLAY, little SILT (wet, loose) Continued on Page 2 S - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod	14	U	14.0	10.0	00/1/	11-14-33-14		ווון וואסיים	OKA VEL	anu	cini sand, nue s	nr (wei, comp	acı	7/
16 17 18 19 7 19.0 21.0 SS/5 1-5-4-7 Grey mf GRAVEL and cmf SAND, little CLAY, little SILT (wet, loose) Continued on Page 2 S - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod	15													
17 18 19 7 19.0 21.0 SS/5 1-5-4-7 Grey mf GRAVEL and cmf SAND, little CLAY, little SILT (wet, loose) Continued on Page 2 S - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod	13													
17 18 19 7 19.0 21.0 SS/5 1-5-4-7 Grey mf GRAVEL and cmf SAND, little CLAY, little SILT (wet, loose) Continued on Page 2 S - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod	16													
18 19 7 19.0 21.0 SS/5 1-5-4-7 Grey mf GRAVEL and cmf SAND, little CLAY, little SILT (wet, loose) Continued on Page 2 S - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod	10													
18 19 7 19.0 21.0 SS/5 1-5-4-7 Grey mf GRAVEL and cmf SAND, little CLAY, little SILT (wet, loose) Continued on Page 2 S - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod	17													
19 7 19.0 21.0 SS/5 1-5-4-7 Grey mf GRAVEL and cmf SAND, little CLAY, little SILT (wet, loose) 20 Continued on Page 2 S - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod	11													
19 7 19.0 21.0 SS/5 1-5-4-7 Grey mf GRAVEL and cmf SAND, little CLAY, little SILT (wet, loose) 20 Continued on Page 2 S - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod	18													
loose) 20 Continued on Page 2 S - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod	10													
loose) 20 Continued on Page 2 S - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod	19	7	19.0	21.0	SS/5	1-5-4-7		Grey mf G	RAVEL a	and c	mf SAND, little CI	AY, little SILT	(wet,	9
20 Continued on Page 2 S - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod	-										,	, ======	, ,	
S - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod								Continued	on Page 2	2				
emarks:		lit Spoo	n, U - 1	Undist	urbed Ti	ıbe, C - Core, WH -	Weight o	of Hammer -	+ Rod, W	R - V	Veight of Rod			•
	Remar	ks:												

Geotechnical Data Report - Page 13 of 48 Attachment to CEG Report Number: 173E-01-0324 Boring No. **B-3** 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 2 of 2 **TEST BORING LOG** Associates, Inc. Phone: 315-701-0522 Report No. 28111B-01-1023 VISUAL CLASSIFICATION OF MATERIAL LOG OF BORING SAMPLES Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Scale Sample m - medium Sampler and - 35 to 50% / some - 20 to 35% Sample Change From To Per 6 Inches f - fine little - 10 to 20% / trace - 0 to 10% RQD % (Feet) No. (Ft.) Rec. (in.) 20 Continued from Page 1 21 Augers harder beginning @ 21.9' 22 8 SS/6 62-73-100@2" Grey mf GRAVEL, some cmf SAND, trace SILT (wet, very 100 +23 23.0 24.2 compact) Spoon refusal @ 24.2'. 24 Bottom of Boring @ 24.2' 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks:

42

43

44

				6035 C	orporate Drive	SI	IRSURF.	ACE EX	ZPI.	ORATION	Boring No.	I	3-4
		V	Ę	•	racuse, NY 13057			Γ BORI			Page No.		of 2
		ociates		I moner.	315-701-0522			I DOKI	110	LOG	Report No.		3-01-1023
Project	Name:			ncare and	Childcare Facilities, C	lay, New	York				Date Started		26/23
Client:		Rambo									Date Finished	09/	26/23
Locatio	n:			on Locati							Surface Elev.		30.1'
					INVESTIGATIO				GR	ROUNDWATER	OBSERVAT	IONS	
Driller:		-	Richards	3	Casing:	3 ¼" ID	H.S.A.	Date		Time	Depth (Ft.)	Casing	g At (Ft.)
Driller:		Bryan			Casing Hammer:						_		
Inspect			IacDoug	gall	Other:	4 11 O.D. (5 11 5 1	09/26/23		While Drilling	3.6		9.0
Drill Ri	g:	CME 5	55		Soil Sampler:		Split Barrel	09/26/23		ore Casing Removed			1.9
Type: Rod Siz		ATV AWJ			Hammer Wt: Hammer Fall:	140 lbs. 30 in.		09/26/23 09/26/23		er Casing Removed	3.0		out
Kou Siz			DOD	INIC C	AMPLES	30 III.	X/T			er Casing Removed	caved @ 8.0		out
	LU	ī		ING SE	AMPLES	1	<u> </u>	SUAL C	LAS	SIFICATION C	JE MIATERIA	L	1
Depth		_	e Depth	Type /	Blows on	Depth of		- coarse					SPT "N"
Scale	Sample		ft.)	Sample	Sampler	Change		medium			% / some - 20 to 35		or
(Feet)	No.	From	To 0.7	Rec. (in.) SS/15	Per 6 Inches	(Ft.)		f - fine			10% / trace - 0 to 109	% 0	RQD %
U	1A 1B	0.0 0.7	2.0	55/15	WH-1-3-5	·				CLAY, trace ROO		(maigt	4
1	16	0.7	2.0				medium st		LA 1	Y, trace fine SAND	, trace ROOTS	(moist,	
1							medium st	111)					
2	2	2.0	4.0	SS/22	4-4-4-5		Drougn/Car	ov mottlad	l CT A	AY, some SILT (mo	sigt gtiff)		8
2		2.0	4.0	33/22	4-4-4-3		BIOWII/GIO	ey momec	CLA	11, some Sili (mo	5181, 81111)		0
3													
3													
4	3	4.0	6.0	SS/16	2-2-2-3		Brown/Gre	ov CII T o	nd CI	LAY (wet, medium	stiff		4
7	3	7.0	0.0	33/10	2-2-2-3		DIOWII/GIV	cy SIL1 a	nu Ci	LAT (wet, medium	Still)		
5	•												
3													
6	4	6.0	8.0	SS/14	3-4-4-5		Brown/Gre	ev SILT. s	ome	CLAY, trace fine S	SAND (wet, stiff)	8
Ü		0.0	0.0	00,1.			210 1112 011	-, =121,		22111, 11110		,	
7													
8	5	8.0	10.0	SS/21	2-2-2-2		Brown CL	AY, some	SILT	Γ (wet, medium stif	ff)		4
											,		
9													
10													
11													
12													
13													
1 /	_	140	160	00/01	W/II W/II W/II 4	1	D /C	CT A 37	1.0	MT 4 C C 4.	NID (made	- ()	
14	6	14.0	16.0	SS/21	WH-WH-WH-1	1	Brown/Gro	ey CLAY	and S	SILT, trace fine SA	ואט (wet, very s	οπ)	0
15	ł												
13						1							
16						1							
10						1							
17													
1 /						1							
18						1							
10						1							
19	7A	19.0	19.6	SS/10	1-3-4-5	h	Grev/Brow	vn mf SAN	VD. s	ome SILT (wet)			7
	7B	19.6				1				L and cmf SAND, I	ittle SILT (wet.	loose)	
20	1					1	Continued			, 1		/	
~~ ~	11 ~	·	<u> </u>		·								1

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Boring No. **B-4** 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 2 of 2 **TEST BORING LOG** Associates, Inc. Phone: 315-701-0522 Report No. 28111B-01-1023 VISUAL CLASSIFICATION OF MATERIAL LOG OF BORING SAMPLES Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Scale Sample m - medium Sampler and - 35 to 50% / some - 20 to 35% Sample Change From To Per 6 Inches f - fine little - 10 to 20% / trace - 0 to 10% RQD % (Feet) No. (Ft.) Rec. (in.) 20 Continued from Page 1 Started to auger gravelly beginning @ 21.2' SS/6 100+ 21 8 21.2 21.7 100@6" Grey highly weathered ROCK FRAGMENTS, little SILT, trace CLAY (wet) - Spoon refusal @ 21.7' and auger refusal @ 21.9' Bottom of Boring @ 21.9' 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod **Remarks:**

المحالية المالية				6035 Cc	orporate Drive	ST	JBSURF	ACE EX	KPI O	RATION	Boring No.	В	3-5
		IV		-	racuse, NY 13057			Γ BORI			Page No.		of 2
		ciates	-5	1 1101101	315-701-0522			DOM	. 10 L		Report No.		-01-1023
Project 1	Name:			ncare and	Childcare Facilities, (Clay, New	York				Date Started		27/23
Client:		Rambo									Date Finished		27/23
Location	1:			on Locati	on Plan INVESTIGATI ()NI		I	CD	OUNDWATER	Surface Elev.		7.4'
Driller:			ichards		Casing:	3 ¼" ID	H.S.A.		GK				
Driller:		-	acDoug		Casing Hammer:			Date		Time	Depth (Ft.)	Casing	At (Ft.)
Inspecto		Bryan	Reles		Other:			09/27/23		While Drilling	12.8		9.0
Drill Rig	g:	CME 5	55		Soil Sampler:		Split Barrel	09/27/23		e Casing Removed		2	3.0
Гуре:		ATV			Hammer Wt:	140 lbs.		09/27/23		Casing Removed	10.4		out
Rod Size		AWJ	P ∩Di		Hammer Fall: MPLES	30 in.	1/1	09/27/23		Casing Removed	caved @ 10.5		out
	LO	r		ING SE					LASS	BIFICATION	JF MATERIA	L	
Depth Scale	Sample	Sample (F	Depth	Type /	Blows on	Depth of		- coarse medium		and 25 to 50	0% / some - 20 to 35	0/-	SPT "N"
(Feet)	No.	From	То	Sample Rec. (in.)	Sampler Per 6 Inches	Change (Ft.)		meaium - fine			20% / some - 20 to 33 20% / trace - 0 to 10		or RQD %
0	1A	0.0	0.7	SS/16	1-3-6-6	(/			race fin	ne GRAVEL, trac			9
						 	ROOTS (n		<i>-</i>				
1	1B	0.7	2.0				Brown/Gre	ey SILT, l	ittle Cl	LAY, trace ROO	ΓS (moist, stiff)		
2	2	2.0	4.0	00/17	67010		Drown /C	w cii T	nd Cī	AV tress = fg A	JD (maist	-t:£0	16
2	2	2.0	4.0	SS/17	6-7-9-10		Brown/Gre	ey SILI ai	na CL	AY, trace mf SAN	אט (moist, very s	suif)	16
3													
J													
4	3	4.0	6.0	SS/19	3-4-4-5		Similar as	above (mo	oist, sti	iff)			8
5													
6	4A	6.0	6.8	SS/18	5-4-3-6		Brown CII	T and CI	۸V +-	ace mf SAND (w	zet)		7
U	4A 4B	6.8	8.0	33/10	J-4-J-U					e cmf SAND, som		[AY	′
7		3.0	5.0				(wet, loose		., 501110	21 11 12, 5011	,		
								,					
8	5	8.0	10.0	SS/14	4-7-10-21			•		nd mf GRAVEL,	some SILT, trace	e CLAY	17
0							(moist, me		. /	0.00			
9							Augers gro	ivelly beg	ınnıng	@ 9.0°			
10													
10													
11													
1.0													
12													
13													
1.3													
14	6	14.0	16.0	SS/13	12-13-14-18		Brown mf	GRAVEL	and c	mf SAND, little S	SILT (wet, media	ım	27
							compact)						
15													
16													
10													
17													
•													
18													
1.0	7	10.0	20.4	00/12	26 60 100 0 5"			DATE		COAND : ~	I.T. (100:
19	7	19.0	20.4	SS/12	26-68-100@5"		Grey mf G Spoon refu			f SAND, trace SI	LT (wet, very co	mpact)	100+
20							Continued						

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

				6035 Co	rporate Drive	SI	JBSURFACE EXPLO	DRATION	Boring No.	B-5
		IV			acuse, NY 13057		TEST BORING I		Page No.	2 of 2
	_	ociates			315-701-0522				Report No. 28	111B-01-1023
	LO				MPLES		VISUAL CLASS	SIFICATION (OF MATERIAL	,
Depth			Depth	Type /	Blows on	Depth of	c - coarse			SPT "N"
Scale (Feet)	Sample No.	(F From	t.) To	Sample Rec. (in.)	Sampler Per 6 Inches	Change (Ft.)	m - medium f - fine		0% / some - 20 to 35% 20% / trace - 0 to 10%	or RQD %
20	110.	TIOIII	10	Rec. (III.)	1 ci o menes	(11.)	Continued from Page 1	ntic - 10 to	20/0/ trace - 0 to 10/0	RQD 70
21							J			
22										
23	8	23.0	23.8	SS/10	21-100@4"		Grey weathered ROCK FF	RAGMENTS, litt	le SILT, trace ROCK	100+
24					J		FLOUR (moist) - Spoon re Bottom of Boring @ 23.8'	efusal @ 23.8'		
25										
26										
27										
28										
29										
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43										
44										

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

		ttaoi ii ii	Offic to	020110	port Number. 173L-0	. 0021				otecimical Data Ne	port 1 ago 10 0	1 10	
					orporate Drive	SI	UBSURF	ACE EX	KPL.	ORATION	Boring No.		8-6
				East Sy	racuse, NY 13057			BORI			Page No.		of 1
					315-701-0522			DOM		200	Report No.		3-01-1023
Project	Name:			ncare and	Childcare Facilities, C	Clay, New	York				Date Started		25/23
Client:		Rambo		T	D1						Date Finished		25/23
Location	1:			on Locati	INVESTIGATIO	NI			CI	ROUNDWATER	Surface Elev.		32.3'
Driller:			ichards		Casing:	3 ¼" ID	НСА		GI	COUNDWATER	ODSERVAI	IONS	
Driller:		Bryan		,	Casing Hammer:	3 /4 ID	11.5.A.	Date		Time	Depth (Ft.)	Casing	At (Ft.)
Inspecto	r:	J			Other:			09/25/23		While Drilling	3.4		1.0
Drill Ri	g:	CME 5	55		Soil Sampler:	2" OD S	Split Barrel	09/25/23	Befo	ore Casing Removed	6.9	2	0.8
Type:		ATV			Hammer Wt:	140 lbs.		09/25/23		er Casing Removed	3.8	(out
Rod Size		AWJ			Hammer Fall:	30 in.		09/25/23		er Casing Removed	caved @ 6.6		out
	LO	G OF	BOR	ING SA	MPLES		VI	SUAL C	LAS	SIFICATION C)F MATERIA	L	1
Depth			Depth	Type /	Blows on	Depth of		- coarse					SPT "N"
Scale	Sample		t.)	Sample	Sampler	Change		medium - fine			0% / some - 20 to 35		or
(Feet)	No.	From 0.0	To 0.6	Rec. (in.) SS/15	Per 6 Inches WH-2-1-3	(Ft.)			ittle (CLAY, trace ROO	20% / trace - 0 to 109	70	RQD %
	1B	0.6	2.0	55/15	W11-2-1-3	} -				AY, little SILT, trace		ace	3
1							ROOTS (n	-		,,			
							`		,				
2	2	2.0	4.0	SS/24	3-3-2-3		Brown CL	AY, some	SIL	T (moist, medium s	stiff)		5
3													
4	2	4.0	(0	00/17	1 1 1 2		D CI	A37 10	пт	(t 0)			2
4	3	4.0	6.0	SS/17	1-1-1-2		Brown CL	A Y and S	ILI ((wet, soft)			2
5													
3													
6	4	6.0	8.0	SS/18	2-1-1-1		Brown CL	AY, some	SIL	T, trace fine SAND	(wet, soft)		2
7													
	_							_					
8	5	8.0	10.0	SS/13	2-2-3-2				CLA	Y, trace fine GRAV	EL, trace cmf S	AND	5
9							(wet, medi	um stiff)					
9													
10													
10													
11													
12													
1.0													
13													
14	6A	14.0	15.4	SS/19	1-1-1-8		Brown CI	AV some	SIL	T, trace fine SAND	(wet soft)		2
1 7	UA	17.0	13.4	00/17	1-1-1-0		DIOMII CL	, i i , soiile	, DIL	1, nace fine SAND	(wei, soii)		
15	6B	15.4	16.0			 -	Grey fine (GRAVEL	and	cmf SAND, little S	ILT (wet)		
										,	` /		
16													
17													
10													
18													
19	7A	19.0	19.8	SS/12	2-4-100@5"		Grev mf G	RAVELa	ınd cı	mf SAND, little SII	LT (wet)		100+
	7B	19.8	20.4	55/12	2 . 100@3	<u> </u>				RAGMENTS and		(moist)	100.
20			-,.			1				Bottom of Boring @			1

20 Auger refusal @ 20.8'. Bottom of Boring @ 20.8'
SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

East Syracuse, NY 13057 Phone: 315-701-0522 TEST BORING LOG Report No. 28111B-01-1023					6035 Co	orporate Drive	SI	IRSIIRF	ACE FY	(PI	ORATION	Boring No.	E	3-7
Page Name Page 15-01-02-02 Name Page 15-01-02-02 Name Page 15-01-02-02 Name Page 15-01-02-02 Name Page 15-01-02-02 Name Page 15-01-02-02 Name Page 15-01-02-02 Name Page 15-01-02-02 Name			V										1	of 2
		Ass	ociates	s, Inc.	Phone:	315-701-0522		ILS	I BUKI	NG.	LUG	Report No.	28111B	3-01-1023
Section Sect	Project 1	Name:	Micror	ı Healtl	ncare and	Childcare Facilities, (Clay, New	York				Date Started	09/	26/23
METHODS OF INVESTIGATION GROUNDWATER OBSERVATIONS	Client:		Rambo	oll								Date Finished	09/	26/23
Time Cashy Richards Cashing	Location	n:												31.9'
Date Time Date Time Date Casing Removed Sampler; Property Casing Art PLS Property Casing Art PLS Property			ME	THO	DS OF	INVESTIGATIO	ON			GF	ROUNDWATER	R OBSERVAT	IONS	
Day Day	Oriller: Oriller:		-		3	=	3 ¼" ID	H.S.A.	Date		Time	Depth (Ft.)	Casing	At (Ft.)
Note Size ATV Hammer Wit 140 lbs 09/26/21 After Casing Removed 6.7 out	nspecto	r:	Dan M	[acDoug	gall	Other:			09/26/23		While Drilling	None Noted	1	9.0
Note Note	Prill Rig	g:	CME 5	55		Soil Sampler:	2" OD S	Split Barrel	09/26/23	Befo	ore Casing Removed	8.8	2	2.5
Dopub Sample Septi Symple Septi Symple Symp	Гуре:		ATV			Hammer Wt:	140 lbs.		09/26/23	Aft	er Casing Removed	6.7	(out
Depth of (Pt) Depth of (Pt) Sample Depth of (Pt) Sample Perform To Res. (r) Perform	lod Size						30 in.					_		out
Sample (Pt) Sample Sample Clamps Clamps m - medium and -35 to 59% / some - 20 to 35% RQD %		LO	G OF	BOR	ING SA	AMPLES		VI	SUAL C	LAS	SSIFICATION (OF MATERIA	L	
Sample Feb No. From To Sample Charge m - medium and -3 to 50% / some - 20 to 35% or RQD No. from To Rec. (as) Per 6 inches (Fe) from To RQD No. RQD RQD No. RQD No. RQD	Depth		Sample	e Depth	Tyma /	Blows on	Donth of	c	- coarse					SPT "N"
No. From To Rec (m) Per 6 Inches (t) Fr fine Little Dis 20% frace > 0.0 10% RQD %	Scale	Sample	(F	t.)							and - 35 to 50	0% / some - 20 to 35	%	
18	(Feet)					Per 6 Inches							%	RQD %
1 2 2 2 2.0 4.0 SS/22 2-2-3-2 Brown CLAY, some SILT (wet, medium stiff) 5 3 4 3 4.0 6.0 SS/17 3-4-4-6 Brown SILT and CLAY, trace fine SAND (wet, stiff) 8 5 6 4 6.0 8.0 SS/12 5-4-3-2 Brown mottled CLAY, some SILT (wet, medium stiff) 7 7 8 5 5 8.0 10.0 SS/20 2-2-2-2 Brown SILT and CLAY (wet, medium stiff) 4 9 10 11 12 13 14 6 14.0 16.0 SS/19 WH-WH-2-1 Grey/Brown CLAY, some SILT (wet, soft) 2 15 16 17 18 19 7 19.0 21.0 SS/15 1-4-5-13 Grey/Brown mf GRAVEL and cmf SAND, some SILT (wet, loose) 9 10 10 11 12 12 13 14 15 15 15 14-5-13 Grey/Brown mf GRAVEL and cmf SAND, some SILT (wet, loose) 9 10 10 11 12 12 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15	0					WH-1-2-3	ļ <u>-</u> -							3
2		1B	0.6	2.0				Brown CL	AY, little	SILT	, trace ROOTS $$	oist, soft)		
3	1													
3														
3	2	2	2.0	4.0	SS/22	2-2-3-2		Brown CL	AY, some	SIL	Γ (wet, medium sti	ff)		5
3														
S	3													
S														
Brown mottled CLAY, some SILT (wet, medium stiff) 7 7 8 5 8.0 10.0 SS/20 2-2-2-2 Brown SILT and CLAY (wet, medium stiff) 4 9 10 11 12 13 14 6 14.0 16.0 SS/19 WH-WH-2-1 Grey/Brown CLAY, some SILT (wet, soft) 2 2 2 2 2 3 3 4 4 4 4 4 4 4 4	4	3	4.0	6.0	SS/17	3-4-4-6		Brown SII	LT and CL	LΑY,	trace fine SAND (wet, stiff)		8
Brown mottled CLAY, some SILT (wet, medium stiff) 7 7 8 5 8.0 10.0 SS/20 2-2-2-2 Brown SILT and CLAY (wet, medium stiff) 4 9 10 11 12 13 14 6 14.0 16.0 SS/19 WH-WH-2-1 Grey/Brown CLAY, some SILT (wet, soft) 2 2 2 2 3 4 4 4 4 4 4 4 4 4														
Society Soci	5													
Solid Soli				0.0	00/11			D			CH T	11		_
8 5 8.0 10.0 SS/20 2-2-2-2 Brown SILT and CLAY (wet, medium stiff) 4 10 11 12 13 14 6 14.0 16.0 SS/19 WH-WH-2-1 Grey/Brown CLAY, some SILT (wet, soft) 2 15 16 17 18 7 19.0 21.0 SS/15 1-4-5-13 Grey/Brown mf GRAVEL and cmf SAND, some SILT (wet, loose) 9 20 20 Continued on Page 2	6	4	6.0	8.0	SS/12	5-4-3-2		Brown mo	ttled CLA	Y, sc	ome SILT (wet, me	dium stiff)		7
8 5 8.0 10.0 SS/20 2-2-2-2 Brown SILT and CLAY (wet, medium stiff) 4 10 11 12 13 14 6 14.0 16.0 SS/19 WH-WH-2-1 Grey/Brown CLAY, some SILT (wet, soft) 2 15 16 17 18 7 19.0 21.0 SS/15 1-4-5-13 Grey/Brown mf GRAVEL and cmf SAND, some SILT (wet, loose) 9 20 20 Continued on Page 2	_													
9 10 11 12 13 14 6 14.0 16.0 SS/19 WH-WH-2-1 Grey/Brown CLAY, some SILT (wet, soft) 2 2 2 2 2 3 4 4 5 4 4 5 4 4 5 4 4	1													
9 10 11 12 13 14 6 14.0 16.0 SS/19 WH-WH-2-1 Grey/Brown CLAY, some SILT (wet, soft) 2 2 2 2 2 3 4 4 5 4 4 5 4 4 5 4 4	0	_	0.0	10.0	00/00	2222		D GII	т. 10	437	(4 1' 4'00			4
10	ð)	8.0	10.0	35/20	<i>L-L-L-L</i>		Brown SII	LI and CL	LAY ((wei, meaium stiff)	1		4
10	0													
11	9													
11	10													
12	10													
12	11													
13														
13	12													
14 6 14.0 16.0 SS/19 WH-WH-2-1 Grey/Brown CLAY, some SILT (wet, soft) 2 15 16	_													
14 6 14.0 16.0 SS/19 WH-WH-2-1 Grey/Brown CLAY, some SILT (wet, soft) 2 15 16	13													
15 16 17 18 19 7 19.0 21.0 SS/15 1-4-5-13 Grey/Brown mf GRAVEL and cmf SAND, some SILT (wet, loose) 9 Continued on Page 2														
15 16 17 18 19 7 19.0 21.0 SS/15 1-4-5-13 Grey/Brown mf GRAVEL and cmf SAND, some SILT (wet, loose) 9 Continued on Page 2	14	6	14.0	16.0	SS/19	WH-WH-2-1		Grey/Brov	vn CLAY.	, some	e SILT (wet, soft)			2
16									,		, , ,			
17	15													
17														
18 Augers gravelly beginning @ 17.8' 19 7 19.0 21.0 SS/15 1-4-5-13 Grey/Brown mf GRAVEL and cmf SAND, some SILT (wet, loose) 9 20 Continued on Page 2	16													
18 Augers gravelly beginning @ 17.8' 19 7 19.0 21.0 SS/15 1-4-5-13 Grey/Brown mf GRAVEL and cmf SAND, some SILT (wet, loose) 9 20 Continued on Page 2														
18 19 7 19.0 21.0 SS/15 1-4-5-13 Grey/Brown mf GRAVEL and cmf SAND, some SILT (wet, loose) 9 Continued on Page 2	17													
19 7 19.0 21.0 SS/15 1-4-5-13 Grey/Brown mf GRAVEL and cmf SAND, some SILT (wet, loose) 9 20 Continued on Page 2							ļ	Augers gro	avelly beg	innin,	g @ <u>17.8'</u>			
20 Continued on Page 2	18								_ _					
20 Continued on Page 2														
Continued on Page 2 S - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod	19	7	19.0	21.0	SS/15	1-4-5-13		Grey/Brov	vn mf GR	AVEI	L and cmf SAND,	some SILT (wet,	loose)	9
20 Continued on Page 2 S - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod														
S - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod						<u> </u>		Continued	on Page 2	2				
emarks:			n, U -	Undist	urbed Ti	ube, C - Core, WH -	Weight	of Hammer	+ Rod, W	R - W	Veight of Rod			

B-7 Boring No. 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 2 of 2 **TEST BORING LOG** Associates, Inc. Report No. 28111B-01-1023 Phone: 315-701-0522 VISUAL CLASSIFICATION OF MATERIAL LOG OF BORING SAMPLES Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Scale Sample Sampler m - medium and - 35 to 50% / some - 20 to 35% Sample Change From To Per 6 Inches little - 10 to 20% / trace - 0 to 10% RQD % (Feet) No. (Ft.) f - fine Rec. (in.) 20 Continued from Page 1 21 Augers harder beginning @ 21.4' 22 Auger refusal @ 22.5' Grey weathered ROCK FRAGMENTS, little ROCK FLOUR (moist) SS/1 100@1" 100 +8 22.5 22.6 Bottom of Boring @ 22.6' 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

			E		orporate Drive	SU	UBSURF	ACE EX	XPLO:	RATION	Boring No.		3-8
	Ass	ciates	Inc		racuse, NY 13057		TEST	Γ BORI	NG L	OG	Page No.		of 2
		2 2 7 72 10 47		I moner.	315-701-0522	1 27					Report No.		3-01-1023
Project	Name:			icare and	Childcare Facilities, C	lay, New	York				Date Started		25/23
Client:		Rambo			7.1						Date Finished		25/23
Locatio	n:			on Locati	INVESTIGATIO	NT.		I	CDC	OUNDWATER	Surface Elev.		83.4'
Driller:			ichards			3 ¼" ID	II C A		GRU	JUNDWAIER	ODSEKVAI	IONS	
Driller:		Bryan		•	Casing: Casing Hammer:	3 /4 ID	п.з.А.	Date		Time	Depth (Ft.)	Casing	g At (Ft.)
Inspect		Di yan	Keles		Other:			09/25/23	W	hile Drilling	7.2	2	23.0
Drill Ri		CME 5	55		Soil Sampler:	2" OD S	Split Barrel	09/25/23		Casing Removed			23.0
Type:	8.	ATV			Hammer Wt:	140 lbs.	_	09/25/23		Casing Removed	5.4		out
Rod Siz	e:	AWJ			Hammer Fall:	30 in.		09/25/23		Casing Removed	caved @ 8.8		out
			BOR	ING SA	AMPLES		VI			IFICATION C	Ŭ	L	
D 4		I	e Depth			1						<u> </u>	CDT IINIII
Depth Scale	Sample	Sample (F		Type / Sample	Blows on Sampler	Depth of		- coarse medium		and - 35 to 50	0% / some - 20 to 35	0/0	SPT "N" or
(Feet)	No.	From	То	Rec. (in.)	Per 6 Inches	Change (Ft.)		fine			20% / trace - 0 to 10°		RQD %
0	1A	0.0	0.9	SS/18	1-2-3-4	(-1)			and CL	AY, trace fine SA			5
							(moist) Re			,	,		
1	1B	0.9	2.0			1				little CLAY, trac	ce fine SAND (n	noist,	
							medium st				`	-	
2	2	2.0	4.0	SS/24	3-4-6-5		Grey/Brow	vn mottled	l CLAY	, little SILT (mo	oist, stiff)		10
3													
4	3	4.0	6.0	SS/17	3-3-2-2			ey CLAY,	, some S	SILT, trace fine S	SAND (wet, med	lium	5
							stiff)						
5													
6	4	6.0	8.0	SS/20	1-2-4-4		Brown/Gre	ey SILT, s	some CI	LAY (wet, mediu	ım stiff)		6
_													
7													
8	5	8.0	10.0	SS/14	1-3-2-3		Cmary/Dmarr	m CLAV	S	SILT, trace fine S	EAND (west made	1:	5
0	3	8.0	10.0	33/14	1-3-2-3		stiff)	vii CLA i ,	, some s	SIL1, trace line s	SAND (wet, med	ııum	3
9							Suii)						
,													
10	ł												
10													
11													
12													
13													
14	6	14.0	16.0	SS/16	WH-WH-WH-2		Grey CLA	Y, some S	SILT (w	vet, very soft)			0
15													
16													
17], ,	77 7		@ 17.0/			
10						ļ	Augered g	ravelly be	ginning	<u>@ 1/.8'.</u>			.]]
18													
19	7	10.0	21.0	SS/8	3-5-5-5		Grov/Dea	m mf CD	AMET -	and cmf SAND, l	little CII T (10
17	′	19.0	∠1.0	33/8	3-3-3-3		medium co		AVEL	mu um sand, i	nme SILI (wel,		10
20	1						Continued		2				
40						1	Louinnaea	on rage 2	<u> </u>				I

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Boring No. **B-8** 6035 Corporate Drive SUBSURFACE EXPLORATION East Syracuse, NY 13057 Page No. 2 of 2 **TEST BORING LOG** Associates, Inc. Phone: 315-701-0522 Report No. 28111B-01-1023 VISUAL CLASSIFICATION OF MATERIAL LOG OF BORING SAMPLES Sample Depth SPT "N" Depth Blows on c - coarse Type / Depth of (Ft.) Scale Sample m - medium Sampler and - 35 to 50% / some - 20 to 35% Sample Change From To Per 6 Inches f - fine little - 10 to 20% / trace - 0 to 10% RQD % (Feet) No. (Ft.) Rec. (in.) 20 Continued from Page 1 21 22 Augers hard beginning @ 22.6'. Augers very hard @ 22.8'. Grey weathered ROCK FRAGMENTS, little SILT (wet) 8 23.2 SS/2 100@2" 100 +23 23.0 Bottom of Boring @ 23.2' 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Geotechnical Data Report - Page 23 of 48

				eport Number: 173E-0		BSURFAC		Data Report - Pa	_
		NAE		orporate Drive				Test Pit ID	TP-1
			-	racuse, NY 13057	EXP	PLORATIO	DN	Page No.	1 of 1
	Asso	ciates, Inc	I moner.	315-701-0522		ST PIT LO	\mathbf{G}	Report No.	28111B-01-1023
Project	Name:	Micron Healt	hcare and	Childcare Facilities, Cl				Date Started	09/27/23
Client:		Ramboll			•			Date Finished	09/27/23
Location	n:	See Explorati	on Locati	on Plan				Surface Elev.	388.2'
		F INVEST				GROUND	WATER O	BSERVATION	
Operato		Daryl Sherma			Date	Time	Depth (Ft.)		mment
Inspecto		Astitwa Shari			9/27/2023	9:18	None Noted		ne Noted
Equipm		Link Belt Mo		27	7/2//2023	7.10	Trone Troted	1101	ic Ivoicu
Type:		Toothed Buck		_,					
Bucket	Width	24"	.c.						
Ducket	Width.	<u> </u>		VISUAL CLA	ASSIFICATIO	N OF MAT	FDIAI		
	I	6 15 1	1			N OF MAI	LKIAL		
Depth		Sample Depth	Depui oi	c - coarse	and - 35 to 50% / s	ome - 20 to 35%			
Scale	Sample	(Ft.)	Change	m - medium f - fine	little - 10 to 20% /	trace - 0 to 10%			
(Feet)	No.	From To	(Ft.)		M-4:-1/	1			
0			1	Topsoil and Organic	iviateriai (moist,	easy digging)			
,			1	D CH.T. 1341 . C	I AN Am C	CAND (. — - — - — - —
1				Brown SILT, little C	LAY, trace fine	SAND (moist,	easy digging)	
2			_						
_			3	5				.— 	
3				Brown mottled SILT	, some CLAY, tr	ace fine SANI	D (moist, mod	lerate digging)	
l ,									
4									
_									
5									
			6						· - ·
6				Brown mottled SILT	and CLAY, trac	e fine GRAVI	EL, trace fine	SAND (moist, m	oderate digging)
_									
7									
8			8.5					.—,	. — — —
				Brown CLAY and Sl	ILT, trace fine SA	AND (moist, n	noderate digg	ing)	
9									
10									
				Bottom of Test Pit @) 10.5'				
11									
12									
13									
14									
15									
16									
Domor		•							

- 1. See Test Pit Photographs, attached.
- 2. Test Pit excavated by a subcontractor to CME utilizing a Link Belt Model LNK 27 excavator, equipped with a 24" wide bucket with teeth.

Geotechnical Data Report - Page 24 of 48

			port Number: 173E-0		DCLIDEACI		Data Report - Pa	
	RAE		orporate Drive		BSURFAC		Test Pit ID	TP-2
			racuse, NY 13057	EXP	LORATIO	N	Page No.	1 of 1
Asso	ociates, Inc.	Phone: 3	315-701-0522	TES	ST PIT LO	\mathbf{G}	Report No.	28111B-01-1023
Project Name:	Micron Health	ncare and	Childcare Facilities, Cl				Date Started	09/27/23
Client:	Ramboll			-			Date Finished	09/27/23
Location:	See Exploration	on Locati	on Plan				Surface Elev.	387.9'
METHOD O					GROUND	WATER O	BSERVATION	
Operator:	Daryl Sherma			Date	Time	Depth (Ft.)		mment
Inspector:	Astitwa Sharn			9/27/2023	8:53	None Noted		
Equipment:	Link Belt Moo		27					
Type:	Toothed Buck							
Bucket Width:								
Ducker () latin	2.		VISUAL CLA	SSIFICATIO	N OF MAT	ERIAL		
5 1	Sample Douth				TOT WILL			
Depth	Sample Depth (Ft.)	Depth of	c - coarse m - medium	and - 35 to 50% / se				
Scale Sample (Feet) No.	From To	Change (Ft.)	m - medium f - fine	little - 10 to 20% /	trace - 0 to 10%			
0	110111 10	(11.)	Topsoil and Organic	Material (moist)				
"		1	Topson and Organic	iviateriai (ilioist)				
1			Brown SILT, some C	ΊΔV trace fine	SAND (moist	easy diagina		
1			Diowii SiL1, soile C	LAT, trace fine	SAIND (IIIOISI	, casy digging	3)	
2								
2								
3								
3		4						
4		<u> </u>	Brown/Grey CLAY,	some SILT (wet	ensy to mode	rate diagina)		
4			blowingley CLA1,	some Sili (wei,	easy to mode	rate digging)		
5								
3								
6								
6								
7								
7		0						
0		8	Brown/Grey CLAY a	and CHT trace of	mf CD AVEL	trans Eng CA	ND (vyat madam	
8			brown/Grey CLAY a	ma Sili, trace c	ını GKAVEL,	, trace line SF	MND (wei, moder	are digging)
			Bottom of Test Pit @	0.0'				
9			bottom of Test Pit (a	, 7. U				
10								
10								
11								
11								
12								
12								
12								
13								
14								
14								
1.5								
15								
16 Pomorker								

- 1. See Test Pit Photographs, attached.
- 2. Test Pit excavated by a subcontractor to CME utilizing a Link Belt Model LNK 27 excavator, equipped with a 24" wide bucket with teeth.

			6035 C	orporate Drive	SUI	BSURFAC	E	Test Pit ID	TP-3
		IVIE		racuse, NY 13057	EXP	LORATIO	N	Page No.	1 of 1
	Ass	ociates, Inc		315-701-0522		ST PIT LO		Report No.	28111B-01-1023
Project	Name	Micron Healt		Childcare Facilities, C		<u>,, , , , , , , , , , , , , , , , , , ,</u>	<u>U</u>	Date Started	09/27/23
Client:	ranic.	Ramboll	neare and	Clindeare I delittles, e	nay, ivew Tork			Date Finished	09/27/23
Location	n·	See Explorati	on Locati	ion Plan				Surface Elev.	384.1'
		F INVEST				CROUND	WATERO	BSERVATIO	
Operato		Daryl Sherma		OI V	Date	Time		1	
nspecto		Astitwa Shari			9/27/2023	9:33	Depth (Ft.)		omment Remark 3
Inspect Equipm		Link Belt Mo		27	9/2//2023	9.33	3	See	Kemark 3
зчигріп Гуре:	iciit.	Toothed Buck		21					
	Width:		XC1		-				
bucket	wiam:	24		VISUAL CL	 ASSIFICATIO	N OF MAT	TERIAI.		
D 4		Sample Depth	1		T T T T T T T T T T T T T T T T T T T	TOP MAI	EKIAL		
Depth Scale	Sample	(Ft.)	Depui oi	c - coarse m - medium	and - 35 to 50% / se				
(Feet)	No.	From To	Change (Ft.)	m - medium f - fine	little - 10 to 20% /	trace - 0 to 10%			
0	110.	110111 10	0.5	Topsoil and Organic	Material (moist)		1		
U			1	Brown SILT, some			t easy diaging	<u></u>	
1			⁺	Brown mottled SIL				<u> </u>	
1			2	Diowii mouica SiL	I, SOIIIC CLAI, II	the file SAIVI	D		
2			- - -	Brown/Grey mottle	1 SII T and CLAV	trace mf SA	ND (moist m	oderste digging	
2				Brown Grey mottlet	I SIL I allu CLA I	, nace nn sa	IND (IIIOISI, II	ioderate digging	•
3									
3									
4									
4			5	1					
5			³	Brown/Grey mottle	1 CLAV and CHT	tropo fino C	AND (wat m	a danata di agin a)	- —
5				Brown/Grey mottled	I CLAT and SILT	, trace line SA	AND (wet, me	oderate digging)	
6									
6			- - 7	-					
7			'	D /D 1:1	I I CI AV I CII		CAND (4		
7				Brown/Redish mott	ied CLAY and SII	L1, trace fine	SAND (wet, i	moderate digging	g)
0				D CT . D'.	○ 0 0!				
8				Bottom of Test Pit (<i>a</i>) 8.0'				
0									
9									
10									
11									
12									
13									
14									
15									
16									

- 1. See Test Pit Photographs, attached.
- 2. Test Pit excavated by a subcontractor to CME utilizing a Link Belt Model LNK 27 excavator, equipped with a 24" wide bucket with teeth.
- 3. Groundwater noted to seep from the sides starting from the depth referenced. Less than 1-inch of water collected at the bottom of the Test Pit.

Geotechnical Data Report - Page 26 of 48

			6035 Co	orporate Drive	SU	BSURFAC	E	Test Pit ID	TP-4
		IVIE	East Sy	racuse, NY 13057	EXP	LORATIO	N	Page No.	1 of 1
	Asso	ciates, In	Phone:	315-701-0522	TES	ST PIT LO	\mathbf{G}	Report No.	28111B-01-1023
Project	Name:	Micron Hea	lthcare and	Childcare Facilities, Cl		_		Date Started	09/27/23
Client:		Ramboll			•			Date Finished	09/27/23
Location	n:	See Explora	tion Locati	on Plan				Surface Elev.	384.9'
METH	O doi	F INVES	ΓIGATI	ON		GROUND	WATER O	BSERVATIO	NS
Operato	r:	Daryl Shern	nan		Date	Time	Depth (Ft.)	Co	mment
Inspecto	or:	Astitwa Sha	rma, EIT		9/27/2023	9:47	5	See I	Remark 3
Equipm	ent:	Link Belt M	odel LNK	27					
Type:		Toothed Bu	cket						
Bucket	Width:	24"							
				VISUAL CLA	ASSIFICATIO	N OF MAT	ERIAL		
Depth		Sample Dept	h Depth of	c - coarse	and - 35 to 50% / s	ome - 20 to 35%			
Scale	Sample	(Ft.)	Change	m - medium	little - 10 to 20% /				
(Feet)	No.	From To	(Ft.)	f - fine					
0				Topsoil and Organic	Material (moist,	easy digging)			
1			11	Brown SILT, some C	CLAV tropp fine	CAND (maigt	o o o ve di o o in e		
1				brown Sill, some C	LAI, trace fille	SAND (IIIOISI	, easy digging	3)	
2									
			3						
3			ļ	Brown mottled SILT	and CLAY, trac	e fine SAND ((moist, moder	rate digging)	
4									
'			5						
5				Brown/Reddish CLA	Y and SILT, litt	le fine SAND	(wet, modera	te digging)	
6									
7									
,									
8									
				Bottom of Test Pit @	9 8.5'				
9									
10									
10									
11									
12									
13									
14									
15									
16									

- 1. See Test Pit Photographs, attached.
- 2. Test Pit excavated by a subcontractor to CME utilizing a Link Belt Model LNK 27 excavator, equipped with a 24" wide bucket with teeth.
- 3. Groundwater noted to seep from the sides starting from the depth referenced. Less than 1-inch of water collected at the bottom of the Test Pit.

		RA		6035 Cc	orporate Drive	SUI	BSURFACI	E	Test Pit ID	TP-5
		IVI		East Syr	racuse, NY 13057	EXP	LORATIO	N	Page No.	1 of 1
	Ass	ociates, l	Inc.	Phone: 3	315-701-0522	TES	ST PIT LO	G	Report No.	28111B-01-1023
Project	Name:	Micron H	Iealth	care and	Childcare Facilities, Cl				Date Started	09/27/23
Client:		Ramboll							Date Finished	09/27/23
Location	n:	See Explo	oratio	n Locati	on Plan			Surface Elev.	382.3'	
METH	O dOI	F INVE	STI	GATI	ON		GROUND	WATER O	BSERVATIO	NS
Operato	r:	Daryl She	ermar	ı		Date	Time	Depth (Ft.)	Co	mment
Inspecto	r:	Astitwa S	harm	na, EIT		9/27/2023	9:57	4	See I	Remark 3
Equipm	ent:	Link Belt	Mod	lel LNK	27					
Type:		Toothed I	Buck	et						
Bucket '	Width:	24"								
					VISUAL CLA	ASSIFICATIO	N OF MAT	ERIAL		
Depth		Sample De	epth	Depth of	c - coarse	and - 35 to 50% / s	ome 20 to 35%			
Scale	Sample			Change	m - medium	little - 10 to 20% /				
(Feet)	No.	From	То	(Ft.)	f - fine					
0				0.5	Topsoil and Organic					
					Brown SILT, little C	LAY, trace fine S	SAND (moist,	easy digging)	
1										
				2.5						
2			ŀ	2.5	Brown/Grey SILT, so	CI AN	C CAND		.—,—	. —
2					Brown/Grey SIL1, so	ome CLAY, trace	e line SAND (moist, easy d	igging)	
3				4						
4			ŀ		Brown/Grey mottled	SII T and CLAV	trace fine S	ND (wet mo	oderate diagina)	
-					Drown/Orey monied	SIL1 and CLA1	, trace fine SF	AND (wet, inc	oderate digging)	
5										
6										
				7						
7			İ		Grey CLAY, little SI	LT (wet, modera	ite digging)			
					-					
8					Bottom of Test Pit @	8.0'				
9										
10										
11										
10										
12										
13										
13										
14										
15										
16										

- 1. See Test Pit Photographs, attached.
- 2. Test Pit excavated by a subcontractor to CME utilizing a Link Belt Model LNK 27 excavator, equipped with a 24" wide bucket with teeth.
- 3. Groundwater noted to seep from the sides starting from the depth referenced. Less than 1-inch of water collected at the bottom of the Test Pit.

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			6035 Co	orporate Drive	SU	BSURFAC	E	Test Pit ID	TP-6
		IVIE	East Sy	racuse, NY 13057	EXP	PLORATIO	N	Page No.	1 of 1
	Asso	ciates, Inc.	Phone:	315-701-0522	TES	ST PIT LO	G	Report No.	28111B-01-1023
Project	Name:	Micron Health	ncare and	Childcare Facilities, C		3111120	<u> </u>	Date Started	09/27/23
Client:		Ramboll		,	3 /			Date Finished	09/27/23
Locatio	n:	See Exploration	on Locati	on Plan				Surface Elev.	380.9'
		F INVEST				GROUND	WATER O	BSERVATION	
Operato		Daryl Sherma			Date	Time	Depth (Ft.)	1	mment
Inspecto		Astitwa Sharn			9/27/2023	11:54	3		Remark 3
Equipm		Link Belt Moo	del LNK	27					
Type:		Toothed Buck	et						
Bucket	Width:	24"							
				VISUAL CL	ASSIFICATIO	N OF MAT	ERIAL		
Depth		Sample Depth	Depth of	c - coarse	and - 35 to 50% / s	oma 20 to 25%			
Scale	Sample	(Ft.)	Change	m - medium	little - 10 to 20% /				
(Feet)	No.	From To	(Ft.)	f - fine					
0				Topsoil and Organic	Material (moist,	easy digging)			
1			11	Brown SILT, little C	Ί ΔV trace fine	SAND (moist	easy diaging	.—	
1				Brown Sill 1, nuic C	on it is the same	ornab (moist,	, casy argging	,	
2									
2									
3			4						
4				Grey/Reddish Brown	n mottled SILT, s	some CLAY, t	race fine SAN	ID (wet, moderate	e digging)
				-					
5									
6			7						
7			' <i>-</i>	Grey/Brown mottled	SILT and CLAY	, trace fine SA	AND, trace fir	ne GRAVEL (wet	, moderate digging)
8									
9									
			10						
10				Grey CLAY and SII	T, trace mf GRA	VEL (wet, mo	oderate diggir	ng)	
11				Bottom of Test Pit (a	ิ 11 ∩'				
11				Dottom of 1est I it (<i>v</i> , 11.0				
12									
13									
14									
15									
16									
_				•					

- 1. See Test Pit Photographs, attached.
- 2. Test Pit excavated by a subcontractor to CME utilizing a Link Belt Model LNK 27 excavator, equipped with a 24" wide bucket with teeth.
- 3. Groundwater noted to seep from the sides starting from the depth referenced. Less than 1-inch of water collected at the bottom of the Test Pit.

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			6035 Co	orporate Drive	SU	BSURFACI	E	Test Pit ID	TP-7
		IVIE	East Sy	racuse, NY 13057	EXP	LORATIO	N	Page No.	1 of 1
	Asso	ciates, Inc	Phone:	315-701-0522	TES	ST PIT LO	G	Report No.	28111B-01-1023
Project	Name:	Micron Healt	hcare and	Childcare Facilities, Cl				Date Started	09/27/23
Client:		Ramboll		,	•			Date Finished	09/27/23
Location	n:	See Explorati	on Locati	on Plan				Surface Elev.	380.0'
METH	O dol	F INVEST	IGATI	ON		GROUND	WATER O	BSERVATION	NS
Operato	or:	Daryl Sherma	ın		Date	Time	Depth (Ft.)	Co	mment
Inspecto	or:	Astitwa Shari	na, EIT		9/27/2023	10:24	3	See I	Remark 3
Equipm	ent:	Link Belt Mo	del LNK	27					
Type:		Toothed Buck	cet						
Bucket '	Width:	24"							
	T			VISUAL CLA	ASSIFICATIO	N OF MAT	ERIAL		
Depth		Sample Depth	Depth of	c - coarse	and - 35 to 50% / s	ome - 20 to 35%			
Scale	Sample	(Ft.)	Change	m - medium	little - 10 to 20% /				
(Feet)	No.	From To	(Ft.)	f - fine	1	1			
0			1	Topsoil and Organic	Material (moist,	easy digging)			
1			11	Grey/Brown SILT, se	ome CLAV little	e fine SAND (moist easy di		. —
1				Gicy/Biowii SiL1, si	onic CLAT, nun	Tille SAND (I	ilioist, casy di	igging)	
2									
			3						
3				Grey/Brown mottled	SILT and CLAY	, trace fine SA	AND (wet, mo	oderate digging)	. —
				•				22 27	
4									
			5						
5				Brown/Reddish CLA	AY and SILT, tra	ce fine SAND	(wet, modera	te digging)	
6									
7			7.5						
,			1.3	Brown/Reddish mott	led CLAV and S	II T (wet mod	derate digging	<u></u>	. —
8				Drown/Reddish mott	ica CLAT and 5	iEi (wet, moe	icrate digging	<i>5)</i>	
9				Bottom of Test Pit @	9.0'				
10									
10									
11									
''									
12									
13									
1.4									
14									
15									
16									

- 1. See Test Pit Photographs, attached.
- 2. Test Pit excavated by a subcontractor to CME utilizing a Link Belt Model LNK 27 excavator, equipped with a 24" wide bucket with teeth.
- 3. Groundwater noted to seep from the sides starting from the depth referenced. Less than 1-inch of water collected at the bottom of the Test Pit.

				6035 Co	orporate Drive	50	DSUKFAC	Ն	Test Pit ID	TP-8
	East Syracuse, NY 13057 Associates, Inc. Phone: 315-701-0522			racuse, NY 13057	EXPLORATION			Page No.	1 of 1	
	Asso	ociates	, Inc.		315-701-0522		ST PIT LO		Report No.	28111B-01-1023
roject	Name:	Micron	Health	hcare and	Childcare Facilities, Cl		JI III LO	<u> </u>	Date Started	09/27/23
Client:	1 (441114)	Rambo			eminos, e.	,, 1			Date Finished	09/27/23
ocatio	n•			on Locati	on Plan				Surface Elev.	381.8'
				IGATI(GROUND	WATERO	BSERVATION	
)perate		Daryl S			011	Date	Time			omment
nspecto		Astitwa				9/27/2023	10:39	Depth (Ft.)		Remark 3
_				del LNK	27	9/2//2023	10:39	4	See I	Kemark 3
Equipm	ent:				21					
ype:	T T 7	Toothe	а Виск	tet						
sucket	Width:	24"			THOUGH OF		NOFMAR			
	ı				VISUAL CLA	ASSIFICATIO	ON OF MAT	ERIAL		
Depth		Sample		Depth of	c - coarse	and - 35 to 50% / s	ome - 20 to 35%			
Scale	Sample	(Ft		Change	m - medium	little - 10 to 20% /				
(Feet)	No.	From	To	(Ft.)	f - fine					
0		T		0.5	Topsoil and Organic		: _ ~~ ~~.			
					Brown SILT, little m	f SAND, trace C	CLAY (moist, e	easy digging)		
1										
				2					. 	
2					Grey/Brown mottled	SILT, some CL	AY, little fine	SAND (moist	t, easy digging)	
					-					
3										
				4						
4					Grey/Reddish Brown	SILT and CLA	Y, trace fine S	AND (wet, m	oderate digging)	
					,		,	,	22 27	
5										
6										
Ü				7						
7				'	Grey/Reddish Brown	CLAY and SIL	T trace fine S	AND (wet m	oderate digging)	
,					Grey/Reddish Brown	CETT und SIE	1, trace line 5	M (D (Wet, III	oderate digging)	
8										
0										
9										
7				10						
10				10	Gray CLAV and CH	T (wet come die				
10					Grey CLAY and SIL		gmg)			
1.1					Bottom of Test Pit @	y 10.5°				
11										
1.5										
12										
13										
14										
15										
16	I									

SUBSURFACE

- 1. See Test Pit Photographs, attached.
- 2. Test Pit excavated by a subcontractor to CME utilizing a Link Belt Model LNK 27 excavator, equipped with a 24" wide bucket with teeth.
- 3. Groundwater noted to seep from the sides starting from the depth referenced. Less than inch of water collected at the bottom of the Test Pit.

Geotechnical Data Report - Page 31 of 48

Test Pit ID

J., 81, 24,				6035 CC	orporate Drive			~	rest rit in	11-9
		IVI		East Syr	racuse, NY 13057	EXP	PLORATIO)N	Page No.	1 of 1
	Ass	ciates,	Inc.		315-701-0522		ST PIT LO		Report No.	28111B-01-1023
Project 1	Name:	Micron	Health		Childcare Facilities, C		<u> </u>	J	Date Started	09/27/23
Client:	ı tanıc.	Rambol		icare and	Cinideate Facilities, C	ay, new luk			Date Started Date Finished	09/27/23
				T	D1					
Location				on Locati		Т	CDOINE	Surface Elev.	380.8'	
				IGATI	UIN	 			BSERVATION	
Operato		Daryl Sl				Date	Time	Depth (Ft.)		mment
nspecto		Astitwa				9/27/2023	10:55	3	See I	Remark 3
Equipm	ent:			del LNK	27					
Гуре:		Toothed	Buck	et						
Bucket \	Width:	24"								
					VISUAL CL	ASSIFICATIO	N OF MAT	ERIAL		
Depth		Sample	Depth	Depth of	c - coarse	and 25 to 500/ /a	20 to 259/			
Scale	Sample	(Ft.		Change	m - medium	and - 35 to 50% / s little - 10 to 20% /				
(Feet)	No.	From	To	(Ft.)	f - fine	111110 - 10 10 20%	11400 - 0 10 1070			
0					Topsoil and Organic	Material (moist,	easy digging))		
				1			,			
1					Brown SILT, some	mf SAND, trace (CLAY (moist,	easy digging)		
					, = = ====	, -	(,	, 656)		
2										
-				3						
3					Grey/Brown SILT, s	come CLAV trac	e fine SAND	(wet easy dia		
3					Gicy/blown SiL1,	some CLAT, trac	c line SAND	(wet, easy dig	ging)	
4										
4										
_										
5										
,				6	D /D 1111	41 1 CH T 1 CT	A 37	CAND		- —
6					Brown/Reddish mot	tied SILT and CL	LAY, trace fine	e SAND (wet,	moderate diggin	g)
_										
7										
8										
9										
					Bottom of Test Pit (@ 9.5'				
10										
11										
12										
13										
13										
14										
14										
1.5										
15										
16										
		1		1						

SUBSURFACE

- 1. See Test Pit Photographs, attached.
- 2. Test Pit excavated by a subcontractor to CME utilizing a Link Belt Model LNK 27 excavator, equipped with a 24" wide bucket with teeth.
- 3. Groundwater noted to seep from the sides starting from the depth referenced. Less than 1-inch of water collected at the bottom of the Test Pit.

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		$\mathbf{R} \mathbf{A}$		6035 Co	orporate Drive	50	DSUKFAC	Ն	Test Pit ID	TP-10
		IVI		East Sy	racuse, NY 13057	EXP	PLORATIO	N	Page No.	1 of 1
	Ass	ociates	, Inc.		315-701-0522		ST PIT LO		Report No.	28111B-01-1023
Project	Name:	Micron	Health	ncare and	Childcare Facilities, Cl		JI III LO	<u> </u>	Date Started	09/27/23
Client:	ranic.	Rambol		icare and	emideare i acinties, ei	ay, ivew fork			Date Finished	09/27/23
Locatio				on Locati	D1				Surface Elev.	
						1	CDOLIND	WATED		381.2'
				IGATI	UN	_			BSERVATION	
Operato		Daryl S				Date	Time	Depth (Ft.)		mment
nspect		Astitwa				9/27/2023	11:30	4	See I	Remark 3
Equipm	nent:			del LNK	27					
Гуре:		Toothec	l Buck	et						
Bucket	Width:	24"								
					VISUAL CLA	ASSIFICATIO	N OF MAT	ERIAL		
Depth		Sample	Depth	Dougle of	c - coarse	1 25 + 500//	20 / 250/			
Scale	Sample	(Ft.		Depth of Change	m - medium	and - 35 to 50% / s				
(Feet)	No.	From	То	(Ft.)	f - fine	little - 10 to 20% /	trace - 0 to 10%			
0		 			Topsoil and Organic	Material (moist.	easy digging)			
-				1	1	(111010))00····0)			
1				⁻	Brown SILT, some C	LAY, trace fine	SAND (moist	. easy digging	<u>,) </u>	. —
•					Brown BiE1, some	22711, trace inic	STE (B) (MOISE	, casy argging	5)	
2										
2				3						
2				3-	Brown/Grey mottled	CII T and CI AX	I tropp fine S	AND (wat m	danata di agin a)	. —
3					Brown/Grey mouled	SIL1 and CLA1	, trace line SA	AND (wet, me	oderate digging)	
4										
4										
_										
5										
6										
7										
8										
9										
					Bottom of Test Pit @	9.5'				
10						,				
- 0										
11										
11										
12										
12										
12										
13										
14										
15										
16										

SUBSURFACE

- 1. See Test Pit Photographs, attached.
- 2. Test Pit excavated by a subcontractor to CME utilizing a Link Belt Model LNK 27 excavator, equipped with a 24" wide bucket with teeth.
- 3. Groundwater noted to seep from the sides starting from the depth referenced. Less than 1-inch of water collected at the bottom of the Test Pit.

Geotechnical Data Report - Page 33 of 48

				6035 Co	orporate Drive	50.	DSUKFAC	L	Test Pit ID	TP-11
		IVI		East Sy	racuse, NY 13057	EXF	PLORATIO	N	Page No.	1 of 1
	Asso	ciates	, Inc.	Phone:	315-701-0522	TES	ST PIT LO	\mathbf{G}	Report No.	28111B-01-1023
Project	Name:	Micron	Health	ncare and	Childcare Facilities, Cl		9111120	<u> </u>	Date Started	09/27/23
Client:	1 (44220)	Rambo		10410 4114	· cimucuto i ucimuco, ci	,,1.0 1 0111			Date Finished	09/27/23
Locatio	n•			on Locati	on Plan				Surface Elev.	384.2'
				IGATI(GROUND	WATERO	BSERVATION	
)perate		Daryl S			011	Date	Time	Depth (Ft.)		mment
nspecto		Astitwa				9/27/2023	10:10	4		Remark 3
iispecu Equipm				del LNK	27	912112023	10.10	4	See T	хетик 3
Zquipiii Zype:	CIII.	Toothe			21					
	Width:		u Duck	Ci						
Jucket	wiuii.	24			VICITAL CL	ASSIFICATIO	N OF MAT	EDIAI		
				1	VISUAL CLA	ASSIFICATIO	N OF MAI	EKIAL		
Depth				Depth of	c - coarse	and - 35 to 50% / s	some - 20 to 35%			
Scale (Fact)	Sample		To	Change	m - medium f - fine	little - 10 to 20% /	trace - 0 to 10%			
(Feet)	No.	From	10	(Ft.)		Matarial ('	\			
0				0.5	Topsoil and Organic Brown SILT, little fi					. —
1					brown Sill, little II	ne sand, nue i	CLAI (IIIOISI,	easy digging)	
1										
2				2.5						
2				2.3	Brown mottled SILT	CIAV to	mas fins CANII	D (maist_ass		
3					Brown momed SIL I	, some CLA1, u	race line SANI	D (moist, easy	(digging)	
3				4						
4				4	Brown/Grey mottled	CII T and CI AV	I trans fine S	AND (wet as		
4					Brown/Grey mouled	SIL1 and CLA	r, trace line SA	AND (wei, ea	sy digging)	
5										
3				6						
6					Brown/Reddish CLA	V and SHT tra	as fins SAND	(wat madara	to diaging)	
6					DIOWII/REGUISII CLA	ti and Silli, na	ce lille SAND	(wet, modera	ite digging)	
7										
,										
8										
0					Bottom of Test Pit @	0 0 5!				
9					Bottom of Test Pit (a	<i>y</i> , 8.3				
9										
10										
10										
1.1										
11										
12										
12										
12										
13										
1.4										
14										
1.7		1		I	Ī					
15										
16										

SUBSURFACE

- 1. See Test Pit Photographs, attached.
- 2. Test Pit excavated by a subcontractor to CME utilizing a Link Belt Model LNK 27 excavator, equipped with a 24" wide bucket with teeth.
- 3. Groundwater noted to seep from the sides starting from the depth referenced. Less than 1-inch of water collected at the bottom of the Test Pit.

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Test Pit Photographs Page **1** of **11**





Figure 1: Test Pit TP-1



Figure 2: Materials Excavated from Test Pit TP-1

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Test Pit Photographs Page 2 of 11





Figure 3: Test Pit TP- 2



Figure 4: Material Excavated from Test Pit TP-2

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Test Pit Photographs Page **3** of **11**





Figure 5: Test Pit TP-3



Figure 6: Materials Excavated from Test Pit TP-3

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Test Pit Photographs Page **4** of **11**





Figure 7: Test Pit TP-4



Figure 8: Materials Excavated from Test Pit -4

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Test Pit Photographs Page **5** of **11**



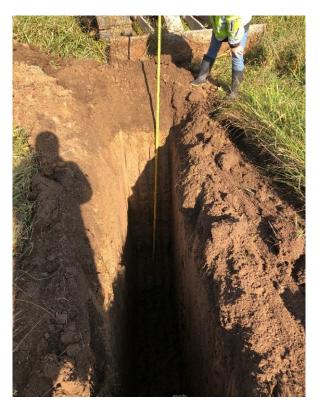


Figure 9: Test Pit TP-5



Figure 10: Materials Excavated from Test Pit TP-5

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Test Pit Photographs Page **6** of **11**





Figure 11: Test Pit TP-6



Figure 12: Materials Excavated from Test Pit TP-6

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Test Pit Photographs Page **7** of **11**



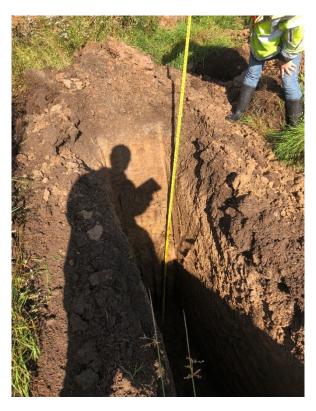


Figure 13: Test Pit TP-7



Figure 14: Materials Excavated from Test Pit TP-7

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Test Pit Photographs Page **8** of **11**





Figure 15: Test Pit TP-8



Figure 16: Materials Excavated from Test Pit -8

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Figure 17: Test Pit TP-9



Figure 18: Materials Excavated from Test Pit TP-9

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Test Pit Photographs Page **10** of **11**



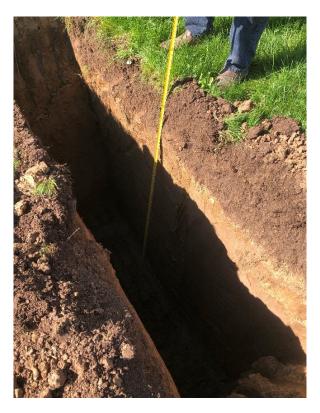


Figure 19: Test Pit TP-10



Figure 20: Materials Excavated from Test Pit TP-10

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Figure 21: Test Pit TP-11



Figure 22: Materials Excavated from Test Pit TP-11



GENERAL INFORMATION & KEY TO TEST BORING LOGS

The **Subsurface Exploration** – **Test Boring Logs** produced **by CME Associates, Inc.** (CME) present observations and mechanical data collected by the CME Drill Crew while at the site, supplemented, at times, by classification of the materials removed from the borings determined through visual identification by technicians in the laboratory. It is cautioned that the materials removed from the borings represent only a fraction of the total volume of the deposits at the site and may not necessarily be representative of the subsurface conditions between adjacent borings or between the sampled intervals. The data presented on the Exploration Logs together with the recovered samples will provide a basis for evaluating the character of the subsurface conditions relative to the proposed construction. The evaluation must consider all the recorded details and their significance relative to each other. Often, analyses of standard boring data indicate the need for additional testing and sampling procedures to more accurately evaluate the subsurface conditions. Any evaluations of the contents of CME's report and the recovered samples must be performed by Licensed Professionals having experience in Soil Mechanics, Geological Sciences and Geotechnical Engineering. The information presented in this Key defines some of the methods, procedures and terms used on the CME Exploration Logs to describe the conditions encountered. Refer to the Log on page 4 for key number.

Key No. Description

- 1. The figures in the **DEPTH SCALE** column define the vertical scale of the Boring Log.
- 2. The SAMPLE NO. is used for identification on the sample containers and in the Laboratory Test Report or Summary.
- 3. The **SAMPLE DEPTH** column gives the depth range from which a sample was recovered.
- 4. The **TYPE / SAMPLE RECOVERY** column is used to signify the various types of samples. "SS is Split Spoon, "U" is Undisturbed Tube, and "C" is Rock Core. For soil and rock samples, the recovered length of the sample is recorded in inches.
- 5. BLOWS ON SAMPLER This column shows the results of the "Standard Penetration Test (SPT) ASTM D1586", recording the number of blows required to drive a 2-inch outside diameter (O.D.) split spoon sampler into the ground beneath the casing. The number of blows required for each six inches of penetration is recorded. The total number of blows required for the 6-inch to 18-inch interval is summarized in the SPT "N" column and represents the "Standard Penetration Number". The outside diameter of the sampler, the hammer weight and the length of drop are noted in the Methods of Investigation portion of the log. A "WH" or "WR" in this column indicates that the sample spoon advanced a 6-inch interval under the Weight of Hammer + Rod or Weight of Rod, respectively. If a rock core sample is taken, the core bit size designation is given here.
- 6. The **DEPTH OF CHANGE** column designates the depth (in feet) that the driller noted a compactness or stratum change. In soft materials or soil strata exhibiting a consistent relative density, it is difficult for the driller to determine the exact change from one stratum to the next. In addition, a grading or gradual change may exist. In such cases the depth noted is approximate or estimated only and may be represented by a dashed line. When continuous split spoon sampling is not employed, or an interval of several feet exists between samplings, the Depth of Change may not be indicated at all.
- 7. VISUAL CLASSIFICATION OF MATERIAL Soil materials sampled and recovered are described by the Driller or Geotechnical Representative on the original field log. Notes of the Drillers observations are also placed in this column. Recovered samples may also be visually classified by a Geologist, Engineer, or Soil Technician. Visual soil classifications are made using a modified Burmister System as practiced by CME and as generally described in this Key and abbreviated on the Test Boring Log. This modified Burmister System is a type of visual-manual textural classification estimated by the Driller, Geologist, Engineer, or Technician on the basis of weight-fraction of the recovered material and estimated plasticity, among other characteristics. See Table 1 "Classification of Materials". The description of the relative compactness or consistency is based upon the standard penetration number as defined in Table 2. The description of the recovered sample moisture condition is described as dry, moist, wet, or saturated. Water used to advance the boring may affect the moisture content of the recovered sample. Special terms may be used to describe recovered materials in greater detail, such terms are listed in ASTM D653. When sampling gravelly soils with a standard two-inch O.D. Split Spoon, the true percentage of gravel is often not recovered due to the relatively small sampler diameter. The presence of boulders, cobbles, and large gravel is sometimes, but not necessarily, detected by observation of the casing advancement and sampler blows and/or through the "action" of the drill rig, sampler and/or casing as reported by the Driller.

The description of **Rock** is based upon the recovered rock core. Terms frequently used in the description are included in Tables 3, 4 and 5. The length of core run is defined as length of penetration between retrievals of the core barrel from the bore hole, expressed in inches. The core recovery expresses the length of core recovered from the core barrel per core run, in percent. The size core barrel used is noted in Column 5. An "N" size core, being larger in diameter than "A" size core, often produces better recovery, and is frequently utilized where accurate information regarding the geologic conditions and engineering properties is needed. An estimate of in-situ rock quality is provided by a modified core recovery ratio known as the "**Rock Quality Designation**" (**RQD**). This ratio is determined by considering only pieces of core that are at least 4 inches long and are hard and sound. Breaks obviously caused by drilling are ignored. The percentage ratio between the total length of such core recovered and the length of core drilled on a given run is the RQD. Table 4 indicates in-situ rock quality as related to the **RQD**.

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- 8. The SPT "N" or RQD is given in this column as applicable to the specific sample taken. In Very Compact coarse-grained soils and in Hard fine-grained soils the N-value may be indicated as 50+ or 100+. This typically means that the blow count was achieved prior to driving the sampler the entire 6-inch interval or the sampler refused further penetration. For an "N" size rock core, the RQD is reported here, expressed in percent (%).
- 9. GROUNDWATER OBSERVATIONS and timing noted by the Drill Crew are shown in this section. It is important to realize that the reliability of the water level observations depend upon the soil type (e.g. water does not readily stabilize in a hole through fine grained soils), and that drill water used to advance the boring may have influenced the observations. Groundwater levels typically fluctuate seasonally so those noted on the log are only representative of that exhibited during the period of time noted on the log. One or more perched or trapped water levels may exist in the ground seasonally. All the available resources and data should be evaluated. If definite conclusions cannot be made, it is often prudent to examine the conditions more thoroughly through test pit excavations or through groundwater observation well installations.
- 10. METHODS of INVESTIGATION provides pertinent information regarding the identity of the Drill Crew members, inspector (if any), drill rig make and model, drill rig mount vehicle, casing and type of advancement, soil and rock sampling tools and appurtenances used in the installation of the Test Boring.

	TABLE 1 - CLASSIFICATION OF MATERIALS						
GROUP	COARSE GRAINED SOILS TEXTURAL SIZES						
BOULDERS	larger than 12" diameter						
COBBLES	12" diameter to 3" sieve						
GRAVEL	3" - coarse - 1" - medium - 1/2" - fine - #4 sieve						
SAND	#4 - coarse - #10 - medium - #40 - fine - #200 sieve						
GROUP	FINE GRAINED SOILS SIZE (PLASTICITY*)						
SILT	#200 sieve (0.074mm) to 0.005mm size (see below *)						
CLAY	0.005mm size to 0.001 mm size (see below *)						
GROUP	ORGANIC SOILS, PEAT, MUCK, MARL						
ORGANIC	Based on smell, visual-manual and laboratory testing						

ABBREVIATIONS	TERM	ESTIMATED PERCENT OF TOTAL SAMPLE BY WEIGHT
f - fine	and	35 to 50%
m - medium	some	20 to 35%
c - coarse	little	10 to 20%
	trace	0 to 10%

		DRY STRENGTH TEST			
TERM	PLASTICITY INDEX	INDICATION	FIELD TEST RESULT		
non-plastic	0 - 3	Very low	falls apart easily		
slightly plastic	4 - 15	Slight	easily crushed by fingers		
plastic	15 - 30	Medium	difficult to crush		
highly plastic	31 or more	High	impossible to crush with fingers		

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Primary Soil Type	Descriptive Term of Compactness	Range of Standard Penetration Resistance (N) less than 4 blows per foot		
COARSE GRAINED SOILS	Very Loose			
	Loose	4 to 10		
(More than half of Material	Medium Compact	10 to 30		
is larger than No. 200 sieve size)	Compact	30 to 50		
	Very Compact	Greater than 50		
FINE GRAINED SOILS	Descriptive Term of Consistency	Range of Standard Penetration Resistance (N)		
	Very Soft	less than 2 blows per foot		
(More than half of material is	Soft	2 to 4		
smaller than No. 200 sieve size)	Medium Stiff	4 to 8		
,	Stiff	8 to 15		
	Very Stiff	15 to 30		
	Hard	Greater than 30		

^{*}The number of blows of 140-pound weight falling 30 inches to drive a 2-inch O.D., 1-3/8 inch I.D. sampler 12 inches is defined as the Standard Penetration Resistance, designated "N".

TABLE 3 - ROCK CLASSIFICATION TERMS								
Rock Classification	n Terms	Field Test or Meaning of Term						
Hardness	Soft	Scratched by fingernail. Crumbles under firm blows with a geologic pick.						
		Shallow indentations (1 to 3 mm) can be made by firm blows of a geologic pick. Can be peeled with a pocketknife with difficulty.						
	Medium Hard	Scratched distinctly by penknife or steel nail. Can't be peeled or scraped with knife.						
		Scratched with difficulty by penknife or steel nail. Requires more than one blow with a geologic hammer to break it						
		Cannot be scratched by penknife or steel nail. Breaks only by repeated heavy blows with a geologic hammer.						
Bedding	Thinly Laminated	less than 1/8 th inch						
	Laminated	1/8 th to 1 inch						
(Divisional planes	Thinly Bedded	1 inch to 4 inches						
and/or surfaces	Medium Bedded	4 inches to 12 inches						
separating it from layers	Thickly Bedded	12 inches to 48 inches						
above and below)	Massive	greater than 48 inches						

TABLE 4 Relation of Rock Quality Designation (RQD) and in-situ Rock Quality							
RQD %	Rock Quality Term Used						
90 to 100	Excellent						
75 to 90	Good						
50 to 75	Fair						
25 to 50	Poor						
0 to 25	Very Poor						

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TABLE 5 – BEDROCK WEATHERING CLASSIFICATION							
Classification	Diagnostic Features						
Fresh	No visible sign of decomposition or discoloration. Rings under hammer impact.						
Slightly Weathered	Slight discoloration inwards from open fractures, otherwise similar to Fresh.						
Moderately Weathered	Discoloration throughout. Strength somewhat less than fresh rock but cores cannot be broken by hand or scraped with knife. Texture observed.						
Highly Weathered	Most minerals somewhat decomposed. Specimens can be broken by hand with effort or shaved with knife. Core stones present in rock mass. Texture becoming indistinct but fabric preserved.						
Completely Weathered	Minerals decomposed to soil, but fabric and structure preserved (e.g. Saprolite). Specimens easily crumbled or penetrated.						
Residual Soil	Advanced state of decomposition resulting in plastic soils. Rock fabric and structure completely destroyed. Large volume change.						

	Asso	Ciates	E, Inc.	East Syr	orporate Drive racuse, NY 13057 815-701-0522	SUBSURFACE EXPLORATION TEST BORING LOG			Boring No. Page No. Report No.	B-2 1 of 1			
Project Name:						Date Started							
Client:										79	Date Finished		-
Location	n:										Surface Elev.		
		ME	THO	DS OF	INVESTIGATIO	N			GF	ROUNDWATER	OBSERVAT	IONS	
Driller: Driller:		10 Casing: 10 Casing Hammer:			Date	Time		Depth (Ft.)	Casing At (Ft.)				
Inspecto	ector: Other:							While Drilling		9	9		
Drill Ri	Rig: Soil Sampler:						Befo	ore Casing Removed					
Type:	/pe: Hammer Wt:						After Casing Removed						
Rod Size	od Size: Hammer Fall:						Aft	er Casing Removed					
	LO	GOF	BOR	ING SA	AMPLES		VIS	SUAL CLASSIFICATION OF MATERIAL					7
Depth Scale (Feet)	Sample No.	(F From	То	Type/ Sample Rec. (in.)	Blows on Sampler Per 6 Inches	Depth of Change (Ft.)	TO 61 * DATE OF THE PARTY OF TH		and - 35 to 50% / some - 20 to 35 little - 10 to 20% / trace - 0 to 10		10.5%	SPT "N" or RQD%	
1	2	3	3	4	5	6				7.		97	8

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks:

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