Remedial Investigation
Waste Delineation Assessment Report
East Durham Park – City of Durham, NONCD0000821
Durham, Durham County, North Carolina
Task Orders 821RI-5 and 821RI-6
S&ME Project No. 23050630

PREPARED FOR:

North Carolina Department of Environmental Quality
Division of Waste Management – Inactive Hazardous Sites Branch
Pre-Regulatory Landfill Unit
1646 Mail Service Center
Raleigh, NC 27699-1646

PREPARED BY:

S&ME, Inc.
3201 Spring Forest Road
Raleigh, NC 27616
November 14, 2024

November 14, 2024

North Carolina Department of Environmental Quality
Division of Waste Management – Special Remediation Branch
Pre-Regulatory Landfill Unit
1646 Mail Service Center
Raleigh, NC 27699-1646

Attention: Mr. Kevin Kelt
Hydrogeologist
via email: kevin.kelt.deq.nc.gov

Reference: **Remedial Investigation- Waste Delineation Assessment Report**
East Durham Park – City of Durham
2601 East Main St. & 300 Gary St, Durham, Durham County, North Carolina
NCDEQ ID No. NONCD0000821
NCDEQ Task Orders 821RI-5 and 821RI-6
S&ME Project No. 23050630

Dear Mr. Kelt:

S&ME, Inc. (S&ME) is submitting this report summarizing the results of the Remedial Investigation Waste Delineation activities conducted at the above-referenced site in Durham, North Carolina. S&ME completed this investigation in general conformance with S&ME Proposals No. 23050630AO, dated August 19, 2024, for Task Order 821RI-5 and No. 23050630AP, dated October 4, 2024, for Task Order 821RI-6 under the terms of Contract Number N42621-B, dated January 4, 2022, between NCDEQ and S&ME.

Please call us at 919-872-2660 with any questions or comments.

Sincerely,

S&ME, Inc.

Chelsea A. Parra, G.I.T.
Environmental Staff Professional
chelseaparra@smeinc.com

Gerald Paul
Senior Project Manager
jpaul@smeinc.com

Senior Reviewed by: Thomas P. Raymond, P.E. - Senior Engineer

Attachment: Remedial Investigation – Waste Delineation Assessment Report

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List of Figures

Appendices

1.0 Summary of Current Investigation

S&ME completed the following Scope of Services listed below for this investigation in general conformance with S&ME Proposals No. 23050630AO, dated August 19, 2024, for Task Order 821RI-5 and No. 23050630AP, dated October 4, 2024, for Task Order 821RI-6 under the terms of Contract Number N42621-B, dated January 4, 2022, between NCDEQ and S&ME.

- Utility locating;
- Waste Disposal Area (WDA) perimeter delineation;
- WDA Clearing and Trenching (Test Pits); and,
- Prepared this report.

S&ME's services were performed in general accordance with the North Carolina Department of Environmental Quality (NCDEQ), Inactive Hazardous Sites Program guidance documents: *Guidelines for Addressing Pre-Regulatory Landfills and Dumps* (March 2022) and S&ME's approved *Standard Operating Procedures and Quality Assurance (SOP/QA) Manual*, previously approved by NCDEQ.

2.0 Utility Locating

On August 7, 2024, prior to commencing invasive field activities, S&ME contracted with a private utility locating subcontractor, Utility Locating Carolinas (ULC), to mark underground utilities in the vicinity of the proposed drilling locations. S&ME field personnel flagged the proposed drilling locations and accompanied ULC while underground utilities were being located and marked in these areas. Boring locations were logged in the field with a handheld GPS and coordinates of each location are displayed in **Appendix I**. Several utilities including water lines, overhead electric lines, and sewer lines were identified around the waste area.

3.0 Waste Disposal Area (WDA) Perimeter Delineation

3.1 WDA Soil Boring Installations

The investigation area for the current WDA perimeter delineation includes Durham County Parcel Identification Numbers (PIN) 0831844364, 0831843041 and 0831831661.

S&ME's subcontract drill crew, SAEDACCO, installed 86 soil borings (WD-01 to WD-55 and offset borings) between September 3 and September 9, 2024.

SAEDACCO's drill crew utilized a track mounted Geoprobe® unit (6620 DT) equipped with Macro-Core soil sampling tooling and hollow stem augers to collect soil/waste samples from the proposed boring locations to a maximum depth of 20 feet below ground surface (bgs). At all locations, soil samples were continuously logged and were classified to identify soil types according to the Unified Soil Classification System (USCS).

Additionally, in areas that could not be accessed by the Geoprobe, S&ME advanced 5 soil borings using a stainless-steel six-inch electric power auger. Borings were advanced to approximately 3 feet bgs. Boring locations and the adjusted waste boundary are depicted on **Figure 1**. Coordinates for the soil borings can be found in **Appendix I**. Boring logs are included in the field documents in **Appendix II.**

3.2 WDA Soil Boring Results

Waste was generally encountered across the investigation area in the form of incinerator ash, brick, and glass. The waste was described as having the consistency of soil with small fragments of glass and brick. At boring locations where waste was encountered, waste was encountered at depths of just below the surface to approximately 5 ft. bgs (soil cover).

In general, noted waste in the open field across the street from the playground was thin in the center portion of the field and got thicker as the waste approaches Main Street and the stream that divides the property. At one boring location (WD-54) the waste extended down to a maximum depth of 20 ft. bgs (between 3 - 20 feet). Buried waste was not identified along the eastern side of the stream near the basketball courts. Buried waste within the vicinity of the playground (east side of the stream that divides the WDA) was fairly consistent in depth (approximately 0.5 – 2.0 ft. bgs) and thickness (approximately 3-4 feet thick) was identified. Approximate depth to waste and thickness on the western side of the stream that divides the WDA was highly variable and appeared to increase in thickness (4 – 6' thick) approaching the western property boundary. At one boring location (SB-54) the waste thickest identified Based upon this investigation the waste appears to extend beyond the western property boundary. Buried waste is estimated to occupy approximately 2.78 acres of the current review area. Boring locations and the approximate waste thicknesses encountered at each boring location are depicted on **Figure 2**. A visual representation (Heat Map) of the approximate waste thickness across the site is shown on **Figure 3**.

3.3 Limited Site Clearing

Prior to performing additional remedial investigation activities (Trenching/Test Pits), S&ME contracted with a clearing contractor, TW Harris Clearing, to clear vegetation and small trees in proposed areas across the suspected waste disposal area (City of Durham Park property). TW Harris Clearing and S&ME mobilized to the site on October 17, 2024 to clear vegetation and trees in order to continue delineation activities.

3.4 WDA Test Pits

S&ME's subcontractor, Buckeye Elm Contracting, LLC (Buckeye) advanced 18 test pits (TP-1 to TP-11) between October 21 and October 23, 2024 to confirm the previously delineated WDA. Buckeye utilized an excavator to conduct waste delineation test pits to a maximum depth of 8 feet bgs. Soils were continuously logged and classified, identifying soil types according to the USCS and screened with a Photoionization Detector (PID) for Volatile Organic Compounds (VOCs). Test pit locations and the adjusted waste boundary are depicted in **Figure 1.** Coordinates for the test pits can be found in **Appendix I**. Boring logs are included in the field documents in **Appendix II.** A photograph log documenting site activities is included as **Appendix III.**

3.5 WDA Test Pit Results

Waste encountered throughout the property included ash, melted glass, brick, concrete, porcelain, and pottery. Plastic was found on the surface in several locations however this plastic is most likely due to littering in the area and not from the incinerator activities. Waste was encountered starting at 0.25 ft-bgs and up to a depth of 7.0 ft-bgs.

On the northern parcel, waste was observed east of the stream from the ground surface to approximately 7 ft-bgs in multiple locations and northeast of the stream from the ground surface to 3-5 ft-bgs. On the southern parcel, waste was observed at a depth of 1 ft-bgs to 3-5 ft-bgs and no waste was observed in test pits conducted east of the stream. Results from the test pits suggest waste extends across the stream to the playground area in the northern parcel. The results also suggest waste extends across the street to the southern parcel. The test pit results show similar results to the waste delineation borings conducted in September 2024.

The overall extent of the buried waste extends over the central portion of the southern parcel and throughout the southern portion of the northern parcel. Test pit locations and a waste boundary are depicted in **Figure 1**. Boring logs from the test pits can be found in **Appendix I**. A photographic log can be found in **Appendix III** and coordinates for the test pits can be found in **Appendix II.**

4.0 Air Monitoring

4.1 Air Monitoring

During the waste delineation assessment S&ME monitored dust particulates that were possibly generated during drilling using an air sampling pump. The air sampling pump was moved throughout the delineation activities to collect representative air samples from around the drilling area. The samples were collected and analyzed for lead at a North Carolina certified laboratory. Work zone lead sample results were reported at concentrations below action levels. The laboratory analytical reports are included in **Appendix IV**.

5.0 Investigative Derived Waste

Investigative derived waste (IDW) extracted from the soil boring or test pits was placed back into the ground and covered with soil, bentonite or sod.

6.0 Sole Use Statement

This report is solely intended for use by NCDEQ for the services that were performed in accordance with S&ME Proposals No. 23050630AO, dated August 19, 2024, and No. 23050630AP, dated October 4, 2024, , as authorized by NCDEQ Task Orders821RI-5 and 821RI-6.

7.0 Certification Acknowledgement

"I certify that to the best of my knowledge, after thorough investigation, the information contained in or accompanying this certification is true, accurate, and complete."

Gerald Paul/ S&ME, Inc.
Name of Environmental Consultant / Company

Signature of Environmental Consultant

November 14, 2024
Date

I, Wilma Craft, a Notary Public of said County and State, do hereby certify that Gerald Paul did personally appear and sign before me this day, produced proper identification in the form of North Carolina Driver's License, was duly sworn or affirmed, and declared that, he or she is the duly authorized environmental consultant referenced above and that, to the best of his or her knowledge and belief, after thorough investigation, the information contained in the above certification is true and accurate, and he or she then signed this Certification in my presence.

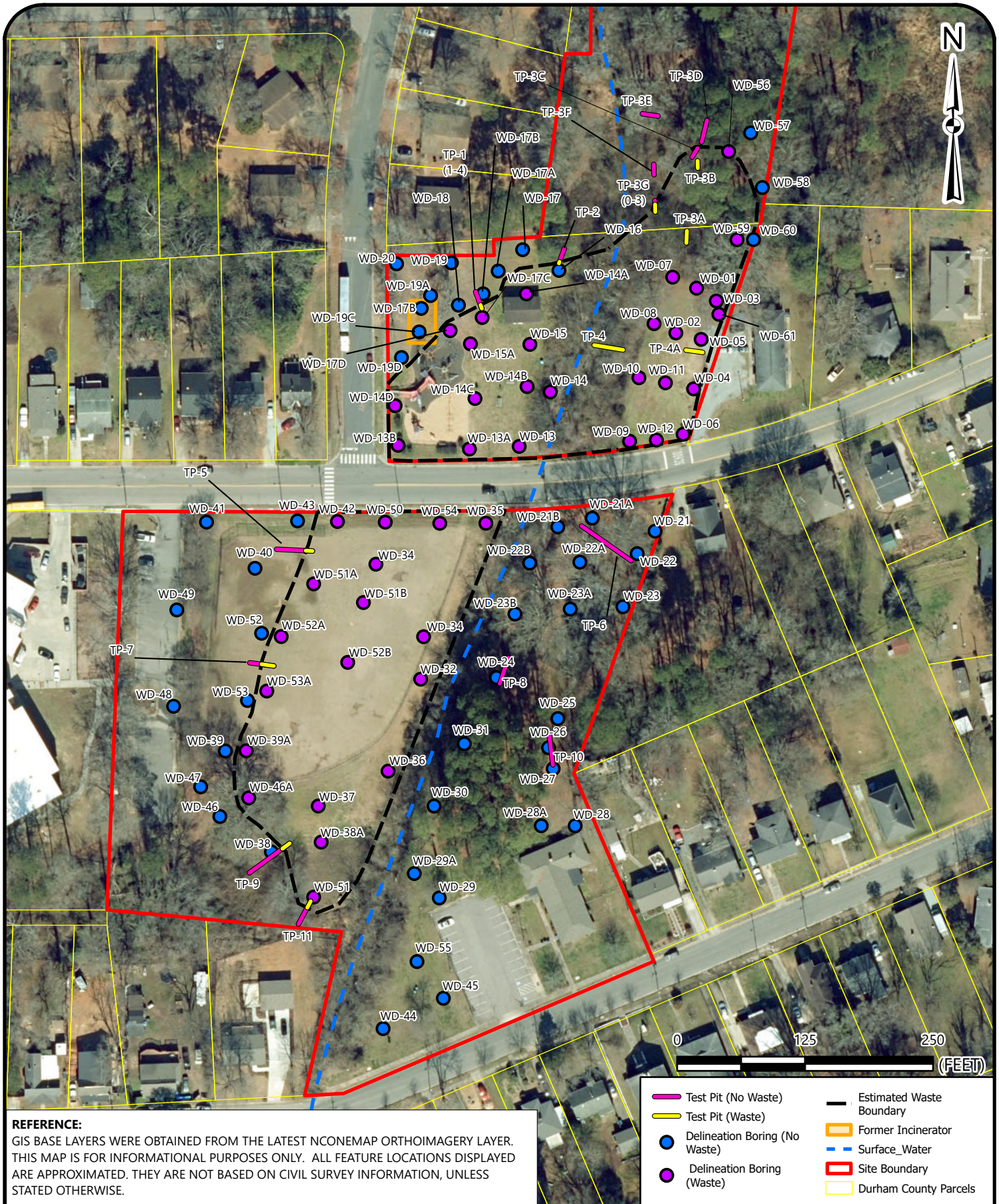
WITNESS my hand and official seal this 14 day of November, 2024.

WILMA CRAFT
(OFFICIAL SEAL)
Notary Public, North Carolina
Wake County
My Commission Expires
March 12, 2028

Notary Public (signature)

My commission expires: March 12 2028

Figures



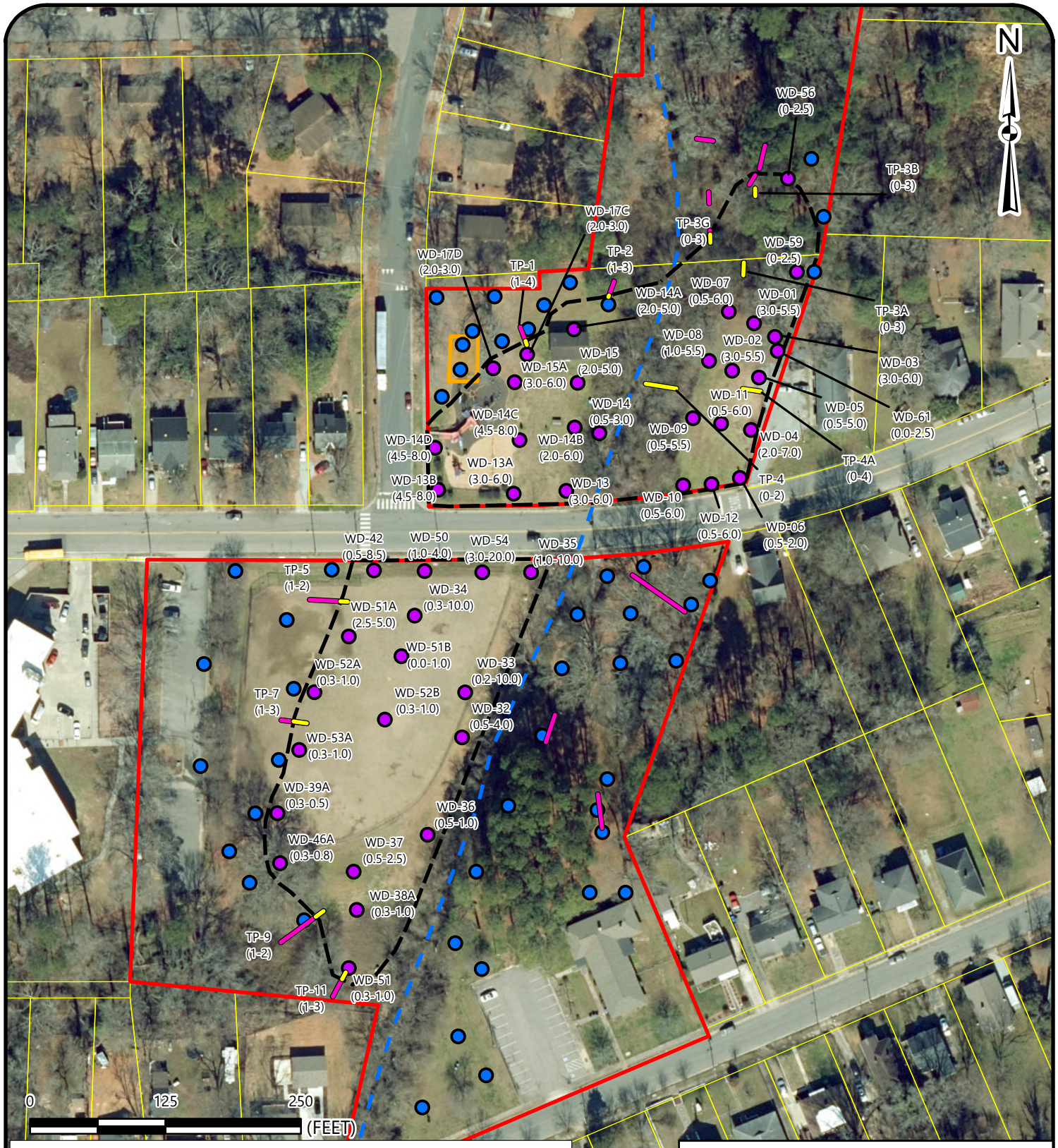
REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM THE LATEST NCONEMAP ORTHOIMAGERY LAYER. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

SITE MAP - BORINGS AND TEST PITS

EAST DURHAM PARK
NCDEQ ID NO. NONCD0000821, TASK ORDER 821RI-5
2601 E. MAIN STREET & 300 GARY STREET
DURHAM, NORTH CAROLINA

SCALE: 1 in = 125 ft
DATE: 11/14/2024
PROJECT NUMBER 23050630
FIGURE NO. 1

Drawing Path: Z:\Shared\SME\Ops\Raleigh-1050\Projects\2023\23050630_NCDEQ LF_City of Durham Parks (PRLF)_Durham NC\ENV\GIS\RI-5 Waste Delineations\RI-5 East Durham Park\RI-5 East Durham Park.aprx Plotted by: ChelseaParra



NOTES:
(0-30) = WASTE THICKNESS IN FEET.

REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM THE LATEST NCONEMAP ORTHOIMAGERY LAYER. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

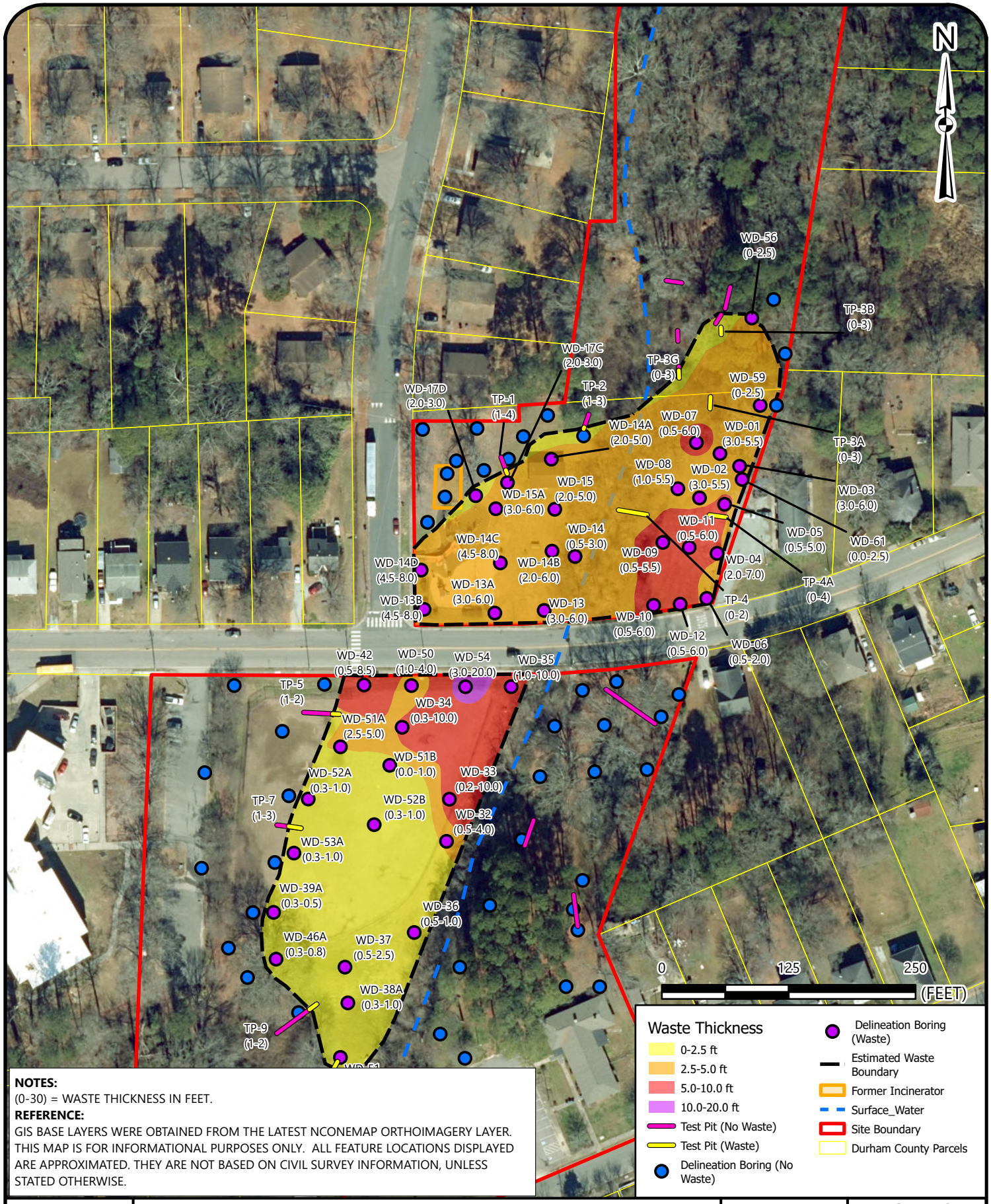
- Test Pit (No Waste)
- Test Pit (Waste)
- Delineation Boring (No Waste)
- Delineation Boring (Waste)
- Estimated Waste Boundary
- Former Incinerator
- Surface_Water
- Site Boundary
- Durham County Parcels

WASTE DELINEATION MAP

EAST DURHAM PARK
NCDEQ ID NO. NONCD0000821, TASK ORDER 821RI-5
2601 E. MAIN STREET & 300 GARY STREET
DURHAM, NORTH CAROLINA

SCALE: 1 in = 125 ft
DATE: 11/14/2024
PROJECT NUMBER 23050630
FIGURE NO. 2

Drawing Path: Z:\Shared\SME\Ops\Raleigh-1050\Projects\2023\23050630_NCDEQ LF_City of Durham Parks (PRLF)_Durham NC\ENV\GIS\RI-5 Waste Delineations\RI-5 East Durham Park\RI-5 East Durham Park.aprx Plotted by: ChelseaParra



NOTES:
(0-30) = WASTE THICKNESS IN FEET.

REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM THE LATEST NCONEMAP ORTHOIMAGERY LAYER. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

Drawing Path: Z:\Shared\SME\Ops\Raleigh-1050\Projects\2023\23050630_NCDEQ LF_City of Durham Parks (PRLF)_Durham NC\ENV\GIS\RI-5 Waste Delineations\RI-5 East Durham Park\RI-5 East Durham Park.aprx Plotted by: ChelseaParra

WASTE THICKNESS MAP

EAST DURHAM PARK
NCDEQ ID NO. NONCD0000821, TASK ORDER 821RI-5
2601 E. MAIN STREET & 300 GARY STREET
DURHAM, NORTH CAROLINA

SCALE: 1 in = 125 ft
DATE: 11/14/2024
PROJECT NUMBER 23050630

FIGURE NO. 3

Appendices

Appendix I - Coordinates of Selected Features

APPENDIX I
Coordinates of Selected Features
Waste Delineation Assessment Report
East Durham Park NONCD0000821
Durham, Durham County, North Carolina
S&ME Project No.: 23050630, Task Orders 821RI-5 and 821RI-6

Site Feature	Type	Location			
		Latitude	Longitude	Northing	Easting
TP-1	Test Pits	35.98662368	-78.87066195	3984561.324	691958.380
TP-2	Test Pits	35.98674392	-78.87038728	3984575.204	691982.854
TP-3A	Test Pits	35.98679281	-78.8699751	3984581.440	692019.898
TP-3B	Test Pits	35.98698714	-78.86993843	3984603.071	692022.733
TP-3C	Test Pits	35.98701868	-78.86994772	3984606.552	692021.819
TP-3D	Test Pits	35.98707648	-78.86991629	3984613.026	692024.513
TP-3E	Test Pits	35.98712023	-78.87009499	3984617.527	692008.295
TP-3F	Test Pits	35.98697346	-78.87008315	3984601.268	692009.718
TP-3G	Test Pits	35.98687496	-78.87007908	3984590.349	692010.324
TP-4	Test Pits	35.9864961	-78.87023335	3984548.015	691997.333
TP-4A	Test Pits	35.98648573	-78.86995022	3984547.422	692022.886
TP-5	Test Pits	35.98595322	-78.87127105	3984485.745	691905.087
TP-6	Test Pits	35.9859707	-78.87024175	3984489.711	691997.850
TP-7	Test Pits	35.98564675	-78.87137988	3984451.531	691896.017
TP-8	Test Pits	35.98562882	-78.87057979	3984451.118	691968.199
TP-9	Test Pits	35.98564675	-78.87137988	3984451.531	691896.017
TP-10	Test Pits	35.98541877	-78.87042541	3984428.119	691982.628
TP-11	Test Pits	35.98564675	-78.87137988	3984451.531	691896.017
WD-01	Waste Delineation Boring	35.98665501	-78.86994277	3984566.217	692023.147
WD-02	Waste Delineation Boring	35.98653495	-78.87001114	3984552.763	692017.274
WD-03	Waste Delineation Boring	35.98662058	-78.86987749	3984562.526	692029.117
WD-04	Waste Delineation Boring	35.98638483	-78.86995281	3984536.223	692022.897
WD-05	Waste Delineation Boring	35.98651756	-78.86992762	3984550.998	692024.847
WD-06	Waste Delineation Boring	35.98626305	-78.8699876	3984522.645	692020.056
WD-07	Waste Delineation Boring	35.98668477	-78.87002151	3984569.363	692015.976
WD-08	Waste Delineation Boring	35.98655989	-78.8700832	3984555.387	692010.716
WD-09	Waste Delineation Boring	35.9864147	-78.8701334	3984539.181	692006.542
WD-10	Waste Delineation Boring	35.9862445	-78.87016442	3984520.239	692004.158
WD-11	Waste Delineation Boring	35.98640105	-78.8700458	3984537.84	692014.474
WD-12	Waste Delineation Boring	35.98624753	-78.87007602	3984520.749	692012.121
WD-13	Waste Delineation Boring	35.98623101	-78.87052909	3984518.024	691971.311
WD-13A	Waste Delineation Boring	35.98622408	-78.87069333	3984516.931	691956.52
WD-13B	Waste Delineation Boring	35.98623438	-78.87092925	3984517.609	691935.223
WD-14	Waste Delineation Boring	35.98637697	-78.87042603	3984534.419	691980.25
WD-14A	Waste Delineation Boring	35.98664039	-78.87050459	3984563.488	691972.528
WD-14B	Waste Delineation Boring	35.98639148	-78.87050272	3984535.878	691973.3
WD-14C	Waste Delineation Boring	35.98635974	-78.87067479	3984532.018	691957.862
WD-14D	Waste Delineation Boring	35.98634059	-78.87093869	3984529.373	691934.115
WD-15	Waste Delineation Boring	35.98650478	-78.87049328	3984548.466	691973.876
WD-15A	Waste Delineation Boring	35.98650646	-78.87068974	3984548.265	691956.159
WD-16	Waste Delineation Boring	35.98670319	-78.87039692	3984570.667	691982.083
WD-17	Waste Delineation Boring	35.98675891	-78.87051666	3984576.612	691971.152
WD-17A	Waste Delineation Boring	35.98670173	-78.87059767	3984570.109	691963.987
WD-17B	Waste Delineation Boring	35.98664069	-78.87064728	3984563.24	691959.662
WD-17C	Waste Delineation Boring	35.98657706	-78.87065068	3984556.174	691959.51
WD-17D	Waste Delineation Boring	35.98654187	-78.87075664	3984552.062	691950.041
WD-18	Waste Delineation Boring	35.98661035	-78.87072906	3984559.713	691952.362
WD-19	Waste Delineation Boring	35.98672387	-78.87075189	3984572.262	691950.028
WD-19A	Waste Delineation Boring	35.98663619	-78.87082092	3984562.399	691944.017
WD-19B	Waste Delineation Boring	35.98660178	-78.87085172	3984558.521	691941.323
WD-19C	Waste Delineation Boring	35.98653857	-78.87085889	3984551.494	691940.83
WD-19D	Waste Delineation Boring	35.9864699	-78.87091717	3984543.761	691935.742
WD-20	Waste Delineation Boring	35.98672147	-78.87093313	3984571.639	691933.693
WD-21	Waste Delineation Boring	35.98600287	-78.87008076	3984493.597	692012.287
WD-21A	Waste Delineation Boring	35.98603805	-78.87028803	3984497.092	691993.514

Notes:
Site feature locations are reported in decimal degrees for Lattitude/Longitude and in feet in the North Carolina State Plane Coordinate System (NAD83).

APPENDIX I
Coordinates of Selected Features
Waste Delineation Assessment Report
East Durham Park NONCD0000821
Durham, Durham County, North Carolina
S&ME Project No.: 23050630, Task Orders 821RI-5 and 821RI-6

Site Feature	Type	Location			
		Latitude	Longitude	Northing	Easting
WD-21B	Waste Delineation Boring	35.98601467	-78.87040186	3984494.274	691983.307
WD-22	Waste Delineation Boring	35.98594256	-78.87013977	3984486.79	692007.113
WD-22A	Waste Delineation Boring	35.98592013	-78.87032911	3984483.929	691990.095
WD-22B	Waste Delineation Boring	35.98591779	-78.87049483	3984483.343	691975.159
WD-23	Waste Delineation Boring	35.98580004	-78.87018709	3984470.886	692003.192
WD-23A	Waste Delineation Boring	35.98579416	-78.87036124	3984469.891	691987.504
WD-23B	Waste Delineation Boring	35.98578106	-78.87054373	3984468.078	691971.082
WD-24	Waste Delineation Boring	35.98561045	-78.87060495	3984449.03	691965.975
WD-25	Waste Delineation Boring	35.98550019	-78.87040228	3984437.197	691984.516
WD-26	Waste Delineation Boring	35.985422	-78.87043344	3984428.462	691981.896
WD-27	Waste Delineation Boring	35.98536576	-78.8704182	3984422.253	691983.407
WD-28	Waste Delineation Boring	35.98521229	-78.87034586	3984405.37	691990.301
WD-28A	Waste Delineation Boring	35.98521259	-78.87045773	3984405.182	691980.214
WD-29	Waste Delineation Boring	35.98501918	-78.87079476	3984383.062	691950.295
WD-29A	Waste Delineation Boring	35.98508486	-78.87087728	3984390.186	691942.695
WD-30	Waste Delineation Boring	35.98526596	-78.87081166	3984410.406	691948.173
WD-31	Waste Delineation Boring	35.98543296	-78.87071147	3984429.13	691956.801
WD-32	Waste Delineation Boring	35.98560647	-78.87085531	3984448.096	691943.412
WD-33	Waste Delineation Boring	35.98572047	-78.87084552	3984460.762	691944.018
WD-34	Waste Delineation Boring	35.98591527	-78.87100266	3984482.063	691929.378
WD-35	Waste Delineation Boring	35.98602479	-78.87063942	3984494.929	691961.863
WD-36	Waste Delineation Boring	35.98535982	-78.87096331	3984420.52	691934.272
WD-37	Waste Delineation Boring	35.98526636	-78.87119406	3984409.697	691913.693
WD-38	Waste Delineation Boring	35.98514338	-78.8713489	3984395.749	691900.03
WD-38A	Waste Delineation Boring	35.98516952	-78.8711846	3984398.973	691914.781
WD-39	Waste Delineation Boring	35.98541437	-78.87150048	3984425.514	691885.706
WD-39A	Waste Delineation Boring	35.98541481	-78.87143166	3984425.698	691891.91
WD-40	Waste Delineation Boring	35.98590475	-78.87140184	3984480.11	691893.412
WD-41	Waste Delineation Boring	35.98602889	-78.87156179	3984493.567	691878.69
WD-42	Waste Delineation Boring	35.98603	-78.87112942	3984494.541	691917.671
WD-43	Waste Delineation Boring	35.98603176	-78.87126123	3984494.477	691905.782
WD-44	Waste Delineation Boring	35.9846686	-78.87098085	3984343.803	691934.365
WD-45	Waste Delineation Boring	35.98474982	-78.87078184	3984353.205	691952.112
WD-46	Waste Delineation Boring	35.98523859	-78.87151885	3984405.977	691884.476
WD-46A	Waste Delineation Boring	35.98528828	-78.87142358	3984411.677	691892.946
WD-47	Waste Delineation Boring	35.98531831	-78.87158214	3984414.696	691878.576
WD-48	Waste Delineation Boring	35.98553462	-78.87167126	3984438.518	691870.017
WD-49	Waste Delineation Boring	35.98579317	-78.87166017	3984467.223	691870.391
WD-50	Waste Delineation Boring	35.98602812	-78.87097151	3984494.644	691931.913
WD-51	Waste Delineation Boring	35.98502198	-78.87120963	3984382.555	691912.881
WD-51A	Waste Delineation Boring	35.98586256	-78.87120825	3984475.811	691910.969
WD-51B	Waste Delineation Boring	35.98581239	-78.87104409	3984470.568	691925.892
WD-52	Waste Delineation Boring	35.98573031	-78.87138035	3984460.8	691895.772
WD-52A	Waste Delineation Boring	35.98572143	-78.87131573	3984459.942	691901.62
WD-52B	Waste Delineation Boring	35.98565182	-78.87109616	3984452.652	691921.586
WD-53	Waste Delineation Boring	35.98554979	-78.87142721	3984440.681	691891.985
WD-53A	Waste Delineation Boring	35.98557516	-78.87136356	3984443.621	691897.662
WD-54	Waste Delineation Boring	35.98602478	-78.87079152	3984494.628	691948.15
WD-55	Waste Delineation Boring	35.9848485	-78.87086867	3984363.981	691944.044
WD-56	Waste Delineation Boring	35.98702173	-78.86983609	3984607.11	692031.877
WD-57	Waste Delineation Boring	35.98707173	-78.86976312	3984612.801	692038.335
WD-58	Waste Delineation Boring	35.98692485	-78.86972512	3984596.581	692042.117
WD-59	Waste Delineation Boring	35.98678503	-78.86980874	3984580.905	692034.917
WD-60	Waste Delineation Boring	35.98678522	-78.86975447	3984581.033	692039.809
WD-61	Waste Delineation Boring	35.98658486	-78.86986911	3984558.579	692029.959

Notes:
Site feature locations are reported in decimal degrees for Lattitude/Longitude and in feet in the North Carolina State Plane Coordinate System (NAD83).

Appendix II - Boring Logs

PROJECT:	City of Durham Parks	TEST PIT LOG: TP-1
	S&ME Project No. 23050630 - East Durham Park Test Pits	*Sheet 1 of 1*

DATE: 10/22/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT:	**DATUM:** NAVD88	
OPERATOR:	**DEPTH:** 8.0 ft	
HAMMER TYPE:	**CLOSURE:** Backfilled with Cuttings	
EXCAVATION METHOD:	**LOGGED BY:** Connor Hicks	**LATITUDE:** 35.986655 **LONGITUDE:** -78.869943
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	ELEVATION
0					SILTY SAND tan	0
1.0					WASTE with ash	-1
4.0					SILTY SAND brown	-4
6.0					SILTY SAND brown	-6
8.0					Test Pit terminated at 8.0 feet.	-8

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks	TEST PIT LOG: TP-2
	S&ME Project No. 23050630 - East Durham Park Test Pits	*Sheet 1 of 1*

DATE: 10/22/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT:	**DATUM:** NAVD88	
OPERATOR:	**DEPTH:** 6.0 ft	
HAMMER TYPE:	**CLOSURE:** Backfilled with Cuttings	
EXCAVATION METHOD:	**LOGGED BY:** Connor Hicks	**LATITUDE:** 35.986744 **LONGITUDE:** -78.870387
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	ELEVATION
0					SILTY SAND black brown	0
1	1.0				WASTE with brick, concrete, and glass	-1
2						-2
3	3.0				SILTY SAND brown	-3
4						-4
5						-5
6	6.0				Test Pit terminated at 6.0 feet.	-6
7					SILTY SAND black brown	-7
8	8.0					-8
9						-9
10						-10
11						-11
12						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks	TEST PIT LOG: TP-3A
	S&ME Project No. 23050630 - East Durham Park Test Pits	*Sheet 1 of 1*

DATE: 10/22/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT:	**DATUM:** NAVD88	
OPERATOR:	**DEPTH:** 3.0 ft	
HAMMER TYPE:	**CLOSURE:** Backfilled with Cuttings	
EXCAVATION METHOD:	**LOGGED BY:** Connor Hicks	**LATITUDE:** 35.986987 **LONGITUDE:** -78.869938
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	ELEVATION
0					WASTE	0
1						-1
2						-2
3	3.0				Test Pit terminated at 3.0 feet.	-3
4						-4
5						-5
6						-6
7						-7
8						-8
9						-9
10						-10
11						-11
12						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks	TEST PIT LOG: TP-3B
	S&ME Project No. 23050630 - East Durham Park Test Pits	*Sheet 1 of 1*

DATE: 10/22/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT:	**DATUM:** NAVD88	
OPERATOR:	**DEPTH:** 3.0 ft	
HAMMER TYPE:	**CLOSURE:** Backfilled with Cuttings	
EXCAVATION METHOD:	**LOGGED BY:** Connor Hicks	**LATITUDE:** 35.987019 **LONGITUDE:** -78.869948
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	ELEVATION
0					WASTE	0
1						-1
2						-2
3	3.0				Test Pit terminated at 3.0 feet.	-3
4						-4
5						-5
6						-6
7						-7
8						-8
9						-9
10						-10
11						-11
12						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks	TEST PIT LOG: TP-3C
	S&ME Project No. 23050630 - East Durham Park Test Pits	*Sheet 1 of 1*

DATE: 10/22/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT:	**DATUM:** NAVD88	
OPERATOR:	**DEPTH:** 6.0 ft	
HAMMER TYPE:	**CLOSURE:** Backfilled with Cuttings	
EXCAVATION METHOD:	**LOGGED BY:** Connor Hicks	**LATITUDE:** 35.987076 **LONGITUDE:** -78.869916
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	ELEVATION
0					SILTY SAND brown	0
1						-1
2						-2
3						-3
4						-4
5						-5
6	6.0				Test Pit terminated at 6.0 feet.	-6
7						-7
8						-8
9						-9
10						-10
11						-11
12						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks	TEST PIT LOG: TP-3D
	S&ME Project No. 23050630 - East Durham Park Test Pits	*Sheet 1 of 1*

DATE: 10/22/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT:	**DATUM:** NAVD88	
OPERATOR:	**DEPTH:** 6.0 ft	
HAMMER TYPE:	**CLOSURE:** Backfilled with Cuttings	
EXCAVATION METHOD:	**LOGGED BY:** Connor Hicks	**LATITUDE:** 35.987120 **LONGITUDE:** -78.870095
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	ELEVATION
0					SILTY SANDY brown	0
1						-1
2						-2
3						-3
4						-4
5						-5
6	6.0				Test Pit terminated at 6.0 feet.	-6
7						-7
8						-8
9						-9
10						-10
11						-11
12						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks	TEST PIT LOG: TP-3E
	S&ME Project No. 23050630 - East Durham Park Test Pits	*Sheet 1 of 1*

DATE: 10/22/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT:	**DATUM:** NAVD88	
OPERATOR:	**DEPTH:** 6.0 ft	
HAMMER TYPE:	**CLOSURE:** Backfilled with Cuttings	
EXCAVATION METHOD:	**LOGGED BY:** Connor Hicks	**LATITUDE:** 35.987000 **LONGITUDE:** -78.859400
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	ELEVATION
0					SILTY SAND tan	0
1						-1
2						-2
3						-3
4						-4
5						-5
6	6.0				Test Pit terminated at 6.0 feet.	-6
7						-7
8						-8
9						-9
10						-10
11						-11
12						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks	TEST PIT LOG: TP-3F
	S&ME Project No. 23050630 - East Durham Park Test Pits	*Sheet 1 of 1*

DATE: 10/22/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT:	**DATUM:** NAVD88	
OPERATOR:	**DEPTH:** 6.0 ft	
HAMMER TYPE:	**CLOSURE:** Backfilled with Cuttings	
EXCAVATION METHOD:	**LOGGED BY:** Connor Hicks	**LATITUDE:** 35.986973 **LONGITUDE:** -78.870083
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	ELEVATION
0					SILTY SAND tan	0
1						-1
2						-2
3						-3
4						-4
5						-5
6	6.0				Test Pit terminated at 6.0 feet.	-6
7						-7
8						-8
9						-9
10						-10
11						-11
12						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks	TEST PIT LOG: TP-3G
	S&ME Project No. 23050630 - East Durham Park Test Pits	*Sheet 1 of 1*

DATE: 10/22/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT:	**DATUM:** NAVD88	
OPERATOR:	**DEPTH:** 6.0 ft	
HAMMER TYPE:	**CLOSURE:** Backfilled with Cuttings	
EXCAVATION METHOD:	**LOGGED BY:** Connor Hicks	**LATITUDE:** 35.986875 **LONGITUDE:** -78.870079
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	ELEVATION
0					WASTE	0
1						-1
2						-2
3						-3
4						-4
5						-5
6	6.0				Test Pit terminated at 6.0 feet.	-6
7						-7
8						-8
9						-9
10						-10
11						-11
12						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks	TEST PIT LOG: TP-4
	S&ME Project No. 23050630 - East Durham Park Test Pits	*Sheet 1 of 1*

DATE: 10/22/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT:	**DATUM:** NAVD88	
OPERATOR:	**DEPTH:** 6.0 ft	
HAMMER TYPE:	**CLOSURE:** Backfilled with Cuttings	
EXCAVATION METHOD:	**LOGGED BY:** Connor Hicks	**LATITUDE:** 35.986496 **LONGITUDE:** -78.870233
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	ELEVATION
0					WASTE	0
1						-1
2	2.0				CLAY brown tan	-2
3						-3
4						-4
5						-5
6	6.0				Test Pit terminated at 6.0 feet.	-6
7						-7
8						-8
9						-9
10						-10
11						-11
12						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks	TEST PIT LOG: TP-4A
	S&ME Project No. 23050630 - East Durham Park Test Pits	*Sheet 1 of 1*

DATE: 10/22/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT:	**DATUM:** NAVD88	
OPERATOR:	**DEPTH:** 7.0 ft	
HAMMER TYPE:	**CLOSURE:** Backfilled with Cuttings	
EXCAVATION METHOD:	**LOGGED BY:** Connor Hicks	**LATITUDE:** 35.986486 **LONGITUDE:** -78.869950
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	ELEVATION
0					WASTE	0
1						-1
2						-2
3						-3
4						-4
5						-5
6						-6
7	7.0				Test Pit terminated at 7.0 feet.	-7
8						-8
9						-9
10						-10
11						-11
12						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks	TEST PIT LOG: TP-5
	S&ME Project No. 23050630 - East Durham Park Test Pits	*Sheet 1 of 1*

DATE: 10/21/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT:	**DATUM:** NAVD88	
OPERATOR:	**DEPTH:** 9.0 ft	
HAMMER TYPE:	**CLOSURE:** Backfilled with Cuttings	
EXCAVATION METHOD:	**LOGGED BY:** Connor Hicks	**LATITUDE:** 35.985953 **LONGITUDE:** -78.871271
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	ELEVATION
0					SILTY SAND dark brown	0
1	1.0				WASTE	-1
2					CLAYS black	-2
3	3.0					-3
4						-4
5						-5
6						-6
7						-7
8	8.0					-8
9					Test Pit terminated at 9.0 feet.	-9
10						-10
11						-11
12						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks	TEST PIT LOG: TP-6
	S&ME Project No. 23050630 - East Durham Park Test Pits	*Sheet 1 of 1*

DATE: 10/22/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT:	**DATUM:** NAVD88	
OPERATOR:	**DEPTH:** 6.0 ft	
HAMMER TYPE:	**CLOSURE:** Backfilled with Cuttings	
EXCAVATION METHOD:	**LOGGED BY:** Connor Hicks	**LATITUDE:** 35.985971 **LONGITUDE:** -78.870242
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	ELEVATION
0					SILTY SAND brown	0
1						-1
2						-2
3						-3
4						-4
5						-5
6	6.0				Test Pit terminated at 6.0 feet.	-6
7	7.0				CLAYS orange	-7
8						-8
9						-9
10						-10
11						-11
12						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks	TEST PIT LOG: TP-7
	S&ME Project No. 23050630 - East Durham Park Test Pits	*Sheet 1 of 1*

DATE: 10/21/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT:	**DATUM:** NAVD88	
OPERATOR:	**DEPTH:** 8.0 ft	
HAMMER TYPE:	**CLOSURE:** Backfilled with Cuttings	
EXCAVATION METHOD:	**LOGGED BY:** Connor Hicks	**LATITUDE:** 35.985647 **LONGITUDE:** -78.871380
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	ELEVATION
0					SILTY SAND brown	0
1	1.0				WASTE	-1
2						-2
3	3.0				CLAYS white maroon	-3
4						-4
5						-5
6						-6
7	7.0					-7
8					Test Pit terminated at 8.0 feet.	-8
9						-9
10						-10
11						-11
12						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks	TEST PIT LOG: TP-8
	S&ME Project No. 23050630 - East Durham Park Test Pits	*Sheet 1 of 1*

DATE: 10/22/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT:	**DATUM:** NAVD88	
OPERATOR:	**DEPTH:** 6.0 ft	
HAMMER TYPE:	**CLOSURE:** Backfilled with Cuttings	
EXCAVATION METHOD:	**LOGGED BY:** Connor Hicks	**LATITUDE:** 35.985629 **LONGITUDE:** -78.870580
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	ELEVATION
0					SILTY SAND brown	0
1						-1
2	2.0				SILTY SAND black	-2
3						-3
4						-4
5						-5
6	6.0				Test Pit terminated at 6.0 feet.	-6
7						-7
8						-8
9						-9
10						-10
11						-11
12						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks	TEST PIT LOG: TP-9
	S&ME Project No. 23050630 - East Durham Park Test Pits	*Sheet 1 of 1*

DATE: 10/22/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT:	**DATUM:** NAVD88	
OPERATOR:	**DEPTH:** 8.0 ft	
HAMMER TYPE:	**CLOSURE:** Backfilled with Cuttings	
EXCAVATION METHOD:	**LOGGED BY:** Connor Hicks	**LATITUDE:** 35.985647 **LONGITUDE:** -78.871380
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	ELEVATION
0					SILTY SAND tan brown	0
1	1.0				WASTE	-1
2						-2
3	3.0				SILTY SAND orange	-3
4	4.0				CLAYS maroon white	-4
5						-5
6	6.0					-6
7						-7
8					Test Pit terminated at 8.0 feet.	-8
9						-9
10						-10
11						-11
12						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks	TEST PIT LOG: TP-10
	S&ME Project No. 23050630 - East Durham Park Test Pits	*Sheet 1 of 1*

DATE: 10/22/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT:	**DATUM:** NAVD88	
OPERATOR:	**DEPTH:** 6.0 ft	
HAMMER TYPE:	**CLOSURE:** Backfilled with Cuttings	
EXCAVATION METHOD:	**LOGGED BY:** Connor Hicks	**LATITUDE:** 35.985419 **LONGITUDE:** -78.870425
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

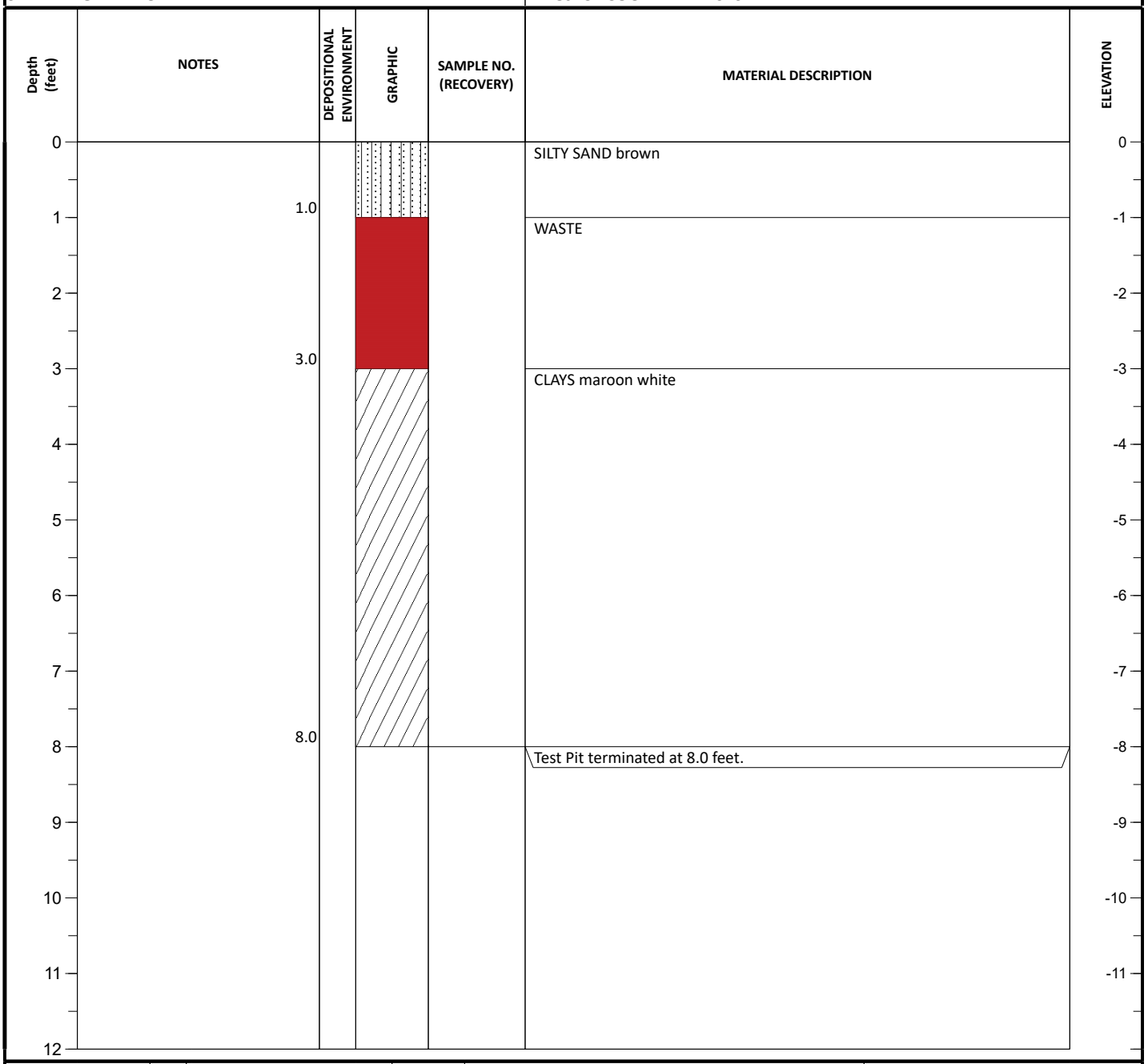
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	ELEVATION
0					SILTY SANDY brown	0
1						-1
2						-2
3						-3
4						-4
5						-5
6	6.0				Test Pit terminated at 6.0 feet.	-6
7						-7
8						-8
9						-9
10						-10
11						-11
12						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks	TEST PIT LOG: TP-11
	S&ME Project No. 23050630 - East Durham Park Test Pits	*Sheet 1 of 1*

DATE: 10/22/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT:	**DATUM:** NAVD88	
OPERATOR:	**DEPTH:** 8.0 ft	
HAMMER TYPE:	**CLOSURE:** Backfilled with Cuttings	
EXCAVATION METHOD:	**LOGGED BY:** Connor Hicks	**LATITUDE:** 35.985647 **LONGITUDE:** -78.871380
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	



GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-01 *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 10.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.986655 **LONGITUDE:** -78.869943
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
0.5					SANDY SILT soft, light brown	
3.0		Fill			Black, Incinerator waste (black soil with glass)	
5.5					SILTY CLAY soft, brown, dry, no staining, no odor	
10.0					Bore Hole terminated at 10.0 feet.	
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-02 *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 10.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.986535 **LONGITUDE:** -78.870011
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
0.5					SANDY SILT light brown	
3.0		Fill			Black, Incinerator waste (black soil with glass)	
5.5					SILTY CLAY brown, dry, no staining, no odor	
10.0					Bore Hole terminated at 10.0 feet.	
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-03 *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 12.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.986621 LONGITUDE: -78.869877
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
0.5					SANDY SILT light brown	
3.0		Fill			Loose, black, Incinerator waste (black soil with glass chunks)	
6.0					SILTY CLAY firm, brown, moist	
10.0					PWR SILT (ML), stiff, light red brown and gray, dry, Refusal at 12ft	
12.0					Bore Hole terminated at 12.0 feet.	
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-04 *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 10.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.986385 **LONGITUDE:** -78.869953
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
0.5					SANDY SILT light brown	
2.0		Fill			Loose, black, Incinerator waste (black soil with glass chunks)	
7.0					SILTY CLAY firm, brown, moist	
10.0					Bore Hole terminated at 10.0 feet.	
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-05 *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 5.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.986518 **LONGITUDE:** -78.869928
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
0.5					Loose, black, Incinerator waste (black soil with glass chunks)	
5.0					Bore Hole terminated at 5.0 feet.	
					SILTY CLAY brown, moist	
10.0						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-06 *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 5.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.986263 **LONGITUDE:** -78.869988
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
0.5		Fill			Black, Incinerator waste (black soil with glass chunks)	
2.0					SILTY CLAY brown, dry	
5.0					Bore Hole terminated at 5.0 feet.	
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-07 *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 10.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.986685 **LONGITUDE:** -78.870022
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
0.5					TOPSOIL	
1		Fill			Loose, black, Incinerator waste (black soil and glass)	
2						
3						
4						
5						
6.0					SANDY LEAN CLAY moist to wet, Wet clayey sand native	
7						
8						
9						
10.0					Bore Hole terminated at 10.0 feet.	
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-08 *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 10.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.986560 **LONGITUDE:** -78.870083
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
0.5					Loose, black, Incinerator waste (black soil with glass)	
5.5					SANDY SILT light brown to dark brown, moist to wet	
10.0					Bore Hole terminated at 10.0 feet.	
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-09 *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 10.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.986415 **LONGITUDE:** -78.870133
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
0.5					TOPSOIL	
1		Fill			Black, Incinerator waste (black soil with glass)	
2						
3						
4						
5						
5.5					SANDY SILT light brown to dark brown, moist to wet	
6						
7						
8						
9						
10.0					Bore Hole terminated at 10.0 feet.	
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-10 *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 10.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.986245 **LONGITUDE:** -78.870164
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
0.5					TOPSOIL	
1					Incinerator ash and glass	
2						
3						
4						
5						
6.0						
6					CLAYEY SAND brown, moist to wet	
7						
8						
9						
10.0						
10					Bore Hole terminated at 10.0 feet.	
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-11 *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 10.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.986401 LONGITUDE: -78.870046
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
0.5					TOPSOIL	
1					Incinerator ash and glass	
2						
3						
4						
5						
6.0					CLAYEY SAND brown, moist to wet	
7						
8						
9						
10.0					Bore Hole terminated at 10.0 feet.	
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-12 *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 10.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.986248 **LONGITUDE:** -78.870076
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
0.5					TOPSOIL	
1					Incinerator ash and glass	
2						
3						
4						
5						
6.0						
6					CLAYEY SAND brown, moist to wet	
7						
8						
9						
10.0						
10					Bore Hole terminated at 10.0 feet.	
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-13 *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 10.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.986231 LONGITUDE: -78.870529
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
0.5					SILTY SAND light brown to brown, dry	
3.0		Fill			Loose, black, Incinerator waste (black soil and ash)	
6.0					SILT with clay, tan and brown, moist	
10.0					Bore Hole terminated at 10.0 feet.	

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-13A *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 10.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.986224 LONGITUDE: -78.870693
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
0.5					SILTY SAND light brown to brown, dry	
3.0		Fill			Black, Incinerator waste (black soil and ash)	
6.0					SILT with clay, tan and brown, moist	
10.0					Bore Hole terminated at 10.0 feet.	

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-13B *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 10.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.986234 **LONGITUDE:** -78.870929
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
0.5					SILT (ML), brown	
4.5		Fill			Black, Incinerator waste	
8.0					SILT (ML), brown	
10.0					Bore Hole terminated at 10.0 feet.	

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-14 *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 5.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.986377 LONGITUDE: -78.870426
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
0.5					Incinerator waste (black soil and glass)	
3.0					PWR SILT (ML), stiff, red brown, dry	
5.0					Bore Hole terminated at 5.0 feet.	
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-14A *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 10.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.986640 LONGITUDE: -78.870505
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
0.5					SANDY SILT tan and brown, dry	
2.0		Fill			Loose, black, Incinerator waste (black soil with glass)	
5.0					SILT (ML), with clay, tan brown, dry	
10.0					Bore Hole terminated at 10.0 feet.	
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-14B *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 10.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.986391 **LONGITUDE:** -78.870503
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
0.5					SANDY SILT tan and brown, dry	
2.0		Fill			Black, Incinerator waste (black soil with glass)	
6.0					SILT (ML), with clay, tan brown, dry	
10.0					Bore Hole terminated at 10.0 feet.	

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-14C *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 10.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.986360 **LONGITUDE:** -78.870675
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
0.5					SILT (ML), brown	
4.5		Fill			Black, Incinerator waste	
8.0					SILT (ML), brown	
10.0					Bore Hole terminated at 10.0 feet.	

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-14D *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 10.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.986341 **LONGITUDE:** -78.870939
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
0.3					TOPSOIL	
					SILT (ML), brown	
4.5						
		Fill			Black, Incinerator waste	
8.0						
					SILT (ML), brown	
10.0					Bore Hole terminated at 10.0 feet.	
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-15 *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 10.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.986505 LONGITUDE: -78.870493
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
0.5					SANDY SILT tan and brown, dry	
2.0		Fill			Black, Incinerator waste (black soil with glass)	
5.0					SILT (ML), with clay, tan brown, dry	
10.0					Bore Hole terminated at 10.0 feet.	
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-15A *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 10.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.986506 **LONGITUDE:** -78.870690
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
0.5					SANDY SILT tan and brown, dry	
3.0		Fill			Black, Incinerator waste (black soil with glass)	
6.0					SILT (ML), with clay, tan brown, dry	
10.0					Bore Hole terminated at 10.0 feet.	

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-16 *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 5.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.986703 **LONGITUDE:** -78.870397
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
0.5					SANDY SILT (ML), brown, dry, Some glass in the boring no incinerator material. The glass appears to be from surficial debris and not buried waste.	
5.0					Bore Hole terminated at 5.0 feet.	

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-17 *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 5.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.986759 **LONGITUDE:** -78.870517
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
0.5					PWR SILT (ML), brown light brown, dry	
1						
2						
3						
4						
5.0					Bore Hole terminated at 5.0 feet.	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-17A *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 5.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.986702 **LONGITUDE:** -78.870598
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
0.5					Incinerator waste (black soil, glass, and brick)	
3.0					PWR red brown, dry, Refusal at 5ft	
5.0					Bore Hole terminated at 5.0 feet.	
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-17B *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 5.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.986641 **LONGITUDE:** -78.870647
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
0.5					TOPSOIL	
1					PWR SILT (ML), brown light brown, dry	
2						
3						
4						
5.0						
5					Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-17C *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 8.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.986577 LONGITUDE: -78.870651
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
0.5					SANDY SILT (ML), brown, dry	
2.0					Waste - Black soil (no glass or other waste)	
3.0					SILT (ML), dark brown and light brown, Refusal at 8ft	
8.0					Bore Hole terminated at 8.0 feet.	

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-17D *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 5.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.986542 LONGITUDE: -78.870757
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
0.5					SILT (ML), dark brown and light brown, Refusal at 8ft	
2.0					Waste - Black soil (no glass or other waste)	
3.0					PWR SILT (ML), brown light brown, dry, Incinerator waste at 2-3ft	
5					Bore Hole terminated at 5.0 feet.	
8.0						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-18 *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 5.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.986610 LONGITUDE: -78.870729
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
	0.3				TOPSOIL	
1					SANDY SILT (ML), brown, dry	
2						
3						
4						
5	5.0				Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-19 *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 5.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.986724 **LONGITUDE:** -78.870752
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
0.5					PWR SILT (ML), brown light brown, dry	
1						
2						
3						
4						
5.0					Bore Hole terminated at 5.0 feet.	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-19A *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 5.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.986636 **LONGITUDE:** -78.870821
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
0.5					TOPSOIL	
1					PWR SILT (ML), brown light brown, dry	
2						
3						
4						
5.0						
5					Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-19B *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 5.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.986602 **LONGITUDE:** -78.870852
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
0.5					TOPSOIL	
1					PWR SILT (ML), brown light brown, dry	
2						
3						
4						
5.0						
5					Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-19C *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 2.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.986539 **LONGITUDE:** -78.870859
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
0.5					TOPSOIL	
1					PWR firm, red brown, Refusal at 2ft. Some glass no incinerator waste	
2.0					Bore Hole terminated at 2.0 feet.	
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-19D *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 5.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.986470 **LONGITUDE:** -78.870917
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
1.0					PWR SILT (ML), brown light brown, dry to moist	
5.0					Bore Hole terminated at 5.0 feet.	

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-20 *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 5.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.986721 **LONGITUDE:** -78.870933
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
0.5					SILT (ML), with clay, firm, gray and tan, dry	
1						
2						
3						
4						
5.0					Bore Hole terminated at 5.0 feet.	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-21 *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 5.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.986003 LONGITUDE: -78.870081
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
1.0					PWR SILT (ML), brown light brown, dry	
5.0					Bore Hole terminated at 5.0 feet.	

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-21A *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 5.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.986038 LONGITUDE: -78.870288
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
1.0					PWR SILT (ML), brown light brown, dry	
5.0					Bore Hole terminated at 5.0 feet.	

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-21B *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 5.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.986015 LONGITUDE: -78.870402
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
1.0					PWR SILT (ML), brown light brown, dry to moist	
5.0					Bore Hole terminated at 5.0 feet.	

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-22 *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 5.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.985943 LONGITUDE: -78.870140
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
1.0					PWR SILT (ML), brown light brown, dry	
5.0					Bore Hole terminated at 5.0 feet.	

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-22A *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 5.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.985920 **LONGITUDE:** -78.870329
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
1.0					PWR SILT (ML), brown light brown, dry to moist	
5.0					Bore Hole terminated at 5.0 feet.	

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-22B *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 5.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.985918 LONGITUDE: -78.870495
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
0.5					TOPSOIL	
1					SILTY SAND tan and brown, dry to moist	
2						
3						
4						
5.0					Bore Hole terminated at 5.0 feet.	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-23 *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 5.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.985800 LONGITUDE: -78.870187
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
0.5					PWR SILT (ML), red purple, dry, Refusal at 2ft	
5.0					Bore Hole terminated at 5.0 feet.	

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-23A *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 5.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.985794 LONGITUDE: -78.870361
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
0.5					SANDY SILT brown, dry	
1						
2						
3.0					PWR SILTY CLAY red brown, Top soil then native	
4						
5.0					Bore Hole terminated at 5.0 feet.	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-23B *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 5.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.985781 LONGITUDE: -78.870544
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
0.5					SANDY SILT brown, dry	
1						
2						
3.0					PWR SILTY CLAY red brown, Top soil then native	
4						
5.0					Bore Hole terminated at 5.0 feet.	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-24 *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 5.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.985610 LONGITUDE: -78.870605
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
0.5					SANDY SILT brown, dry	
1						
2						
3						
4						
5.0					Bore Hole terminated at 5.0 feet.	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-25 *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 5.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.985500 **LONGITUDE:** -78.870402
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
0.5					TOPSOIL	
1					SANDY SILT brown, dry	
2						
3						
4						
5.0						
5					Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-26 *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 6.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.985422 LONGITUDE: -78.870433
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
0.5					TOPSOIL	
1.0					SILT with clay, brown	
1					SILT with clay, red brown, dry	
2						
3						
4						
5.0						
5					PWR FAT CLAY with clay, stiff, red brown, Refusal at 6ft	
6.0					Bore Hole terminated at 6.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-27 *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 5.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.985366 LONGITUDE: -78.870418
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
0.5					TOPSOIL	
1					SANDY SILT brown, dry	
2						
3						
4						
5.0						
5					Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-28 *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 5.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.985212 LONGITUDE: -78.870346
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
0.5					TOPSOIL	
1					SANDY SILT brown, dry	
2						
3						
4						
5.0						
5					Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-28A *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 5.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.985213 **LONGITUDE:** -78.870458
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
0.5					TOPSOIL	
1					SANDY SILT brown, dry	
2						
3						
4						
5.0						
5					Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-29 *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 9.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.985019 **LONGITUDE:** -78.870795
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
0.5					TOPSOIL	
1.0					SILTY SAND brown	
1					SILTY CLAY brown, moist	
2						
3						
4						
5						
6						
7						
8						
9.0						
9					Bore Hole terminated at 9.0 feet.	
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-29A *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 9.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.985085 **LONGITUDE:** -78.870877
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
0.5					TOPSOIL	
1.0					SILTY SAND brown	
1					SILTY CLAY brown, moist	
2						
3						
4						
5						
6						
7						
8						
9.0					Bore Hole terminated at 9.0 feet.	
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-30 *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 2.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.985266 **LONGITUDE:** -78.870812
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
0.5					PWR SILT (ML), firm, red purple, dry, Refusal at 2ft	
1						
2.0					Bore Hole terminated at 2.0 feet.	
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-31 *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 5.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.985433 LONGITUDE: -78.870711
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
0.5					TOPSOIL	
1					SILT stiff, tan, dry	
2						
3						
4						
5.0						
5					Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-32 *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 7.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.985606 LONGITUDE: -78.870855
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
0.5					Loose, black, moist, Incinerator waste (black soil with glass)	
4.0					SILTY SAND loose, brown, medium to coarse grained, wet	
7.0					Bore Hole terminated at 7.0 feet.	

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-33 *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 10.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.985720 **LONGITUDE:** -78.870846
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					Topsoil	
0.2					SILTY CLAY brown, moist	
2.0		Fill			Brown, fine to medium grained, Incinerator waste (black soil and glass)	
10.0					Bore Hole terminated at 10.0 feet.	

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-34 *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 12.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.985915 **LONGITUDE:** -78.871003
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
	0.3				TOPSOIL	
1					Incerator waste with glass and brick	
2						
3						
4						
5						
6						
7						
8						
9						
10	10.0				SILT (ML), with clay, brown	
11						
12	12.0				Bore Hole terminated at 12.0 feet.	
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-35 *Sheet 1 of 2*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 15.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.986025 **LONGITUDE:** -78.870639
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
1.0						
1		Fill			Black, Incinerator waste	
2						
3						
4						
5						
6						
7						
8						
9						
10.0						
10					SILTY SAND light brown	
11						
12						
13						
14						
15.0						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-35 *Sheet 2 of 2*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 15.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.986025 LONGITUDE: -78.870639
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
					Bore Hole terminated at 15.0 feet.	
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-36 *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 5.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.985360 LONGITUDE: -78.870963
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					Topsoil	
0.5					Black, Incinerator ash mixed through soil, small glass pieces	
1.0					SILTY CLAY soft, light brown to tan, moist to wet	
5.0					Bore Hole terminated at 5.0 feet.	

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-37 *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 5.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.985266 LONGITUDE: -78.871194
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					Topsoil	
0.5					Incinerator soil mixed with glass	
2.5					SILT (ML), brown	
5.0					Bore Hole terminated at 5.0 feet.	

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-38 *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 5.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.985143 LONGITUDE: -78.871349
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
0.5					TOPSOIL	
1					SILTY SAND	
2						
3						
4						
5.0					Bore Hole terminated at 5.0 feet.	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-38A *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 5.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.985170 **LONGITUDE:** -78.871185
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
0.3					TOPSOIL	
1.0		Fill			Black, Incinerator waste	
1					SILTY CLAY brown	
2						
3						
4						
5.0						
5					Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-39 *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 5.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.985414 **LONGITUDE:** -78.871500
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
0.5					SANDY SILT brown, dry	
1						
2						
3						
4						
5.0					Bore Hole terminated at 5.0 feet.	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-39A *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 3.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.985415 **LONGITUDE:** -78.871432
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
	0.3				TOPSOIL	
	0.5				Incinerator ash with some waste	
1					SILT brown	
2						
	3.0					
3					Bore Hole terminated at 3.0 feet.	
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-40 *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 10.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.985905 **LONGITUDE:** -78.871402
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
0.5					TOPSOIL	
1					SANDY SILT light brown	
2						
3.0						
3					SILTY CLAY brown, moist	
4						
5						
6						
7						
8						
9						
10.0						
10					Bore Hole terminated at 10.0 feet.	
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-41 *Sheet 1 of 1*

DATE: 09/03/2024	**ELEVATION:**		**NOTES:**
EQUIPMENT: Geoprobe 6620DT		**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 6.5 ft		
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings		
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra		**LATITUDE:** 35.986029 **LONGITUDE:** -78.871562
SAMPLING METHOD:			**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					Topsoil with glass pieces	
1.5					SILTY SAND	
6.5					Bore Hole terminated at 6.5 feet.	

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-42 *Sheet 1 of 2*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 15.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.986030 LONGITUDE: -78.871129
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
0.5		Fill			Black, Incinerator waste with glass	
8.5					SILT with clay, light orange brown	
10.0					PWR red brown purple brown	
15.0						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-42 *Sheet 2 of 2*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 15.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.986030 LONGITUDE: -78.871129
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
					Bore Hole terminated at 15.0 feet.	
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-43 *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 5.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.986032 LONGITUDE: -78.871261
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
0.5					TOPSOIL	
1					SILT (ML), brown	
2						
3						
4						
5.0						
5					Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-44 *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 5.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.984669 LONGITUDE: -78.870981
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
0.5					TOPSOIL	
1					SILT (ML), brown	
2						
3						
4						
5.0						
5					Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-45 *Sheet 1 of 1*

DATE: 09/03/2024	**ELEVATION:**		**NOTES:**
EQUIPMENT: Geoprobe 6620DT		**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 5.0 ft		
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings		
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra		**LATITUDE:** 35.984750 **LONGITUDE:** -78.870782
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet		

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
					TOPSOIL	
0.5					SANDY LEAN CLAY brown, moist	
1						
2						
3						
4						
5.0					Bore Hole terminated at 5.0 feet.	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-46 *Sheet 1 of 1*

DATE: 09/03/2024	**ELEVATION:**		**NOTES:**
EQUIPMENT: Geoprobe 6620DT		**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 4.0 ft		
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings		
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra		**LATITUDE:** 35.985239 **LONGITUDE:** -78.871519
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet		

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
1					SILTY CLAY soft, light brown, moist	
2		2.0				
3						
4		4.0			Bore Hole terminated at 4.0 feet.	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-46A *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 3.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.985288 LONGITUDE: -78.871424
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
	0.3				TOPSOIL	
	0.8				Incinerator waste with glass	
1					PWR light brown	
2						
	3.0				Bore Hole terminated at 3.0 feet.	
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-47 *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 5.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.985318 LONGITUDE: -78.871582
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
1.0					SANDY LEAN CLAY soft, light brown to tan, moist to wet	
5.0					Bore Hole terminated at 5.0 feet.	

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-48 *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 7.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.985535 LONGITUDE: -78.871671
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
0.2					Asphalt	
1.0					SILTY CLAY (CL-ML), soft, light brown to dark brown, moist, no staining, no odor	
1		Fill			Light gray and light brown fill	
2						
3						
4						
5.0						
5					PWR SILTY CLAY (CL-ML), firm, red and brown, dry, no staining, no odor	
6						
7.0						
7					Bore Hole terminated at 7.0 feet.	
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-49 *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 7.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.985793 LONGITUDE: -78.871660
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
0.2					Asphalt	
1.0					SILTY CLAY (CL-ML), soft, light brown to dark brown, moist, no staining, no odor	
1		Fill			Light gray and light brown fill	
2						
3						
4						
5.0						
5					PWR SILTY CLAY (CL-ML), firm, red and brown, dry, no staining, no odor	
6						
7.0						
7					Bore Hole terminated at 7.0 feet.	
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-50 *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 5.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.986028 LONGITUDE: -78.870972
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
1.0		Fill			Black, Incinerator waste	
4.0					SILT (ML), brown	
5.0					Bore Hole terminated at 5.0 feet.	
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-51 *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 5.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.985022 **LONGITUDE:** -78.871210
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
	0.3				TOPSOIL	
	1.0				Black, Incinerator waste	
1					SILTY CLAY brown	
2						
3						
4						
	5.0				Bore Hole terminated at 5.0 feet.	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-51A *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 7.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.985863 **LONGITUDE:** -78.871208
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
2.5					Incinerator waste with glass	
5.0					PWR light gray and very light red	
7.0					Bore Hole terminated at 7.0 feet.	

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-51B *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 13.5 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.985812 **LONGITUDE:** -78.871044
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					Black to dark brown, Incinerator ash with glass waste	
1	1.0				SANDY LEAN CLAY soft, brown, moist	
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13	13.5				Bore Hole terminated at 13.5 feet.	
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-52 *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 5.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.985730 LONGITUDE: -78.871380
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
0.5					TOPSOIL	
1					SILT (ML), with clay, brown	
2						
3						
4						
5.0						
5					Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-52A *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 3.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.985721 **LONGITUDE:** -78.871316
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
	0.3				TOPSOIL	
1	1.0				Incinerator ash with glass, waste	
					SILT (ML), with clay, brown	
2						
	3.0					
3					Bore Hole terminated at 3.0 feet.	
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-52B *Sheet 1 of 1*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 3.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.985652 **LONGITUDE:** -78.871096
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
	0.3				TOPSOIL	
1	1.0				Incinerator ash with glass, waste	
					SILT (ML), with clay, brown	
2						
3	3.0				Bore Hole terminated at 3.0 feet.	
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-53 *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 5.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.985550 LONGITUDE: -78.871427
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
0.5					TOPSOIL	
1					SANDY LEAN CLAY light brown to tan, moist	
2						
3						
4						
5.0						
5					Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-53A *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 3.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.985575 LONGITUDE: -78.871364
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
0.3					TOPSOIL	
1.0					Incinerator ash with glass, waste	
1					SILT (ML), with clay, brown	
2						
3.0						
3					Bore Hole terminated at 3.0 feet.	
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-54 *Sheet 1 of 2*
DATE: 09/03/2024	**ELEVATION:**	**NOTES:**
EQUIPMENT: Geoprobe 6620DT	**DATUM:**	
OPERATOR: Rick Wolf	**DEPTH:** 21.0 ft	
HAMMER TYPE: Not Applicable	**CLOSURE:** Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	**LOGGED BY:** Chelsea Parra	**LATITUDE:** 35.986025 **LONGITUDE:** -78.870792
SAMPLING METHOD:	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
0.5					SILT (ML), with clay, brown	
3.0					Black, Incinerator waste	
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-54 *Sheet 2 of 2*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH: 21.0 ft	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.986025 LONGITUDE: -78.870792
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
16					Black, Incinerator waste	
17						
18						
19						
20	20.0				PWR SILT (ML), brown purple, Refusal at 21ft	
21	21.0				Bore Hole terminated at 21.0 feet.	
22						
23						
24						
25						
26						
27						
28						
29						
30						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-54A *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH:	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD:	LOGGED BY: Chelsea Parra	LATITUDE: 35.986025 LONGITUDE: -78.870792
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0						
0.3					Topsoil	
0.5					Incinerator waste with glass	
1					PWR SILT stiff, red pink and purple red, moist to dry	
2						
3						
4.0						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

PROJECT:	City of Durham Parks S&ME Project No. 23050630	BORING LOG: WD-55 *Sheet 1 of 1*
DATE: 09/03/2024	ELEVATION:	NOTES:
EQUIPMENT: Geoprobe 6620DT	DATUM:	
OPERATOR: Rick Wolf	DEPTH:	
HAMMER TYPE: Not Applicable	CLOSURE: Mixture of Bentonite Chips and Cuttings	
DRILLING METHOD: DPT	LOGGED BY: Chelsea Parra	LATITUDE: 35.984849 LONGITUDE: -78.870869
SAMPLING METHOD:	PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet	

Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
0.5					SILT (ML), brown	
1						
2						
3						
4						
5.0						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

Appendix III - Photographs

10/22/2024

Photographer: Connor Hicks

1	**Location / Orientation**	TP-1
	Remarks	View of the test pit with brick pieces visible.

10/22/2024

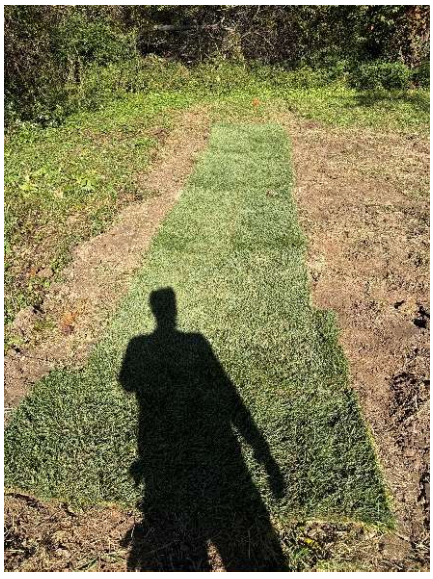
Photographer: Connor Hicks

2	**Location / Orientation**	TP-1
	Remarks	View of TP-1 after backfilling and sod.

10/22/2024

Photographer: Connor Hicks

3	**Location / Orientation**	TP-2
	Remarks	View of TP-2.



10/22/2024

Photographer: Connor Hicks

4	**Location / Orientation**	TP-2
	Remarks	View of TP-2 after backfilling and sod.

10/22/2024

Photographer: Connor Hicks

5	**Location / Orientation**	TP-3
	Remarks	View of TP-3.

10/22/2024

Photographer: Connor Hicks

6	**Location / Orientation**	TP-3
	Remarks	View of TP-3 after backfilling and sod.

10/22/2024

Photographer: Connor Hicks

7	**Location / Orientation**	TP-3B
	Remarks	View of waste in TP-3B.

10/22/2024

Photographer: Connor Hicks

8	**Location / Orientation**	TP-3C
	Remarks	View of TP-3C, with no waste.

10/22/2024

Photographer: Connor Hicks

9	**Location / Orientation**	TP-3D
	Remarks	View of waste in TP-3B.

10/22/2024

Photographer: Connor Hicks

10	**Location / Orientation**	TP-3E
	Remarks	View of TP-3E.

10/22/2024

Photographer: Connor Hicks

11	**Location / Orientation**	TP-3F.
	Remarks	View of TP-3F.

10/22/2024

Photographer: Connor Hicks

12	**Location / Orientation**	TP-3G
	Remarks	View of incinerator waste in TP-3G.

10/22/2024

Photographer: Connor Hicks

13	**Location / Orientation**	TP-4
	Remarks	View of waste in TP-4.

10/22/2024

Photographer: Connor Hicks

14	**Location / Orientation**	TP-4A
	Remarks	View of waste in TP-4A.

10/22/2024

Photographer: Connor Hicks

15	**Location / Orientation**	TP-4A
	Remarks	View of TP-4A after backfilling and sod.

10/21/2024

Photographer: Connor Hicks

16	**Location / Orientation**	TP-5
	Remarks	View of TP-5 with waste at 1ft.

			10/21/2024 Photographer: Connor Hicks
17	**Location / Orientation**	TP-5	
	Remarks	View of TP-5 after backfilling and sod.	
			10/22/2024 Photographer: Connor Hicks
18	**Location / Orientation**	TP-6	
	Remarks	View of TP-6, with no waste.	

10/22/2024

Photographer: Connor Hicks

19	**Location / Orientation**	TP-6
	Remarks	View of TP-6 after backfilling, seeding, and straw.

10/21/2024.

Photographer: Connor Hicks

20	**Location / Orientation**	TP-7
	Remarks	View of TP-7, with waste from 1-3ft.

10/21/2024

Photographer: Connor Hicks

21	**Location / Orientation**	TP-7
	Remarks	View of TP-7 after backfilling and sod.

10/22/2024

Photographer: Connor Hicks

22	**Location / Orientation**	TP-08
	Remarks	View of TP-8, with no waste.

10/22/2024

Photographer: Connor Hicks

23	**Location / Orientation**	TP-8
	Remarks	View of TP-8 after backfilling and straw.

10/22/2024

Photographer: Connor Hicks

24	**Location / Orientation**	TP-8A
	Remarks	View of TP-8A, with no waste.

Photographer: Connor Hicks | 10/22/2024

25	**Location / Orientation**	TP-9
	Remarks	View of TP-9, with waste from 1-3.5 ft.

Photographer: Connor Hicks | 10/22/2024

26	**Location / Orientation**	TP-10
	Remarks	View of TP-10, with no waste.

10/22/2024

Photographer: Connor Hicks

27	**Location / Orientation**	TP-10
	Remarks	View of TP-10 after backfilling and straw.

10/22/2024

Photographer: Connor Hicks

28	**Location / Orientation**	TP-11
	Remarks	View of TP-11, with waste from 1-2 ft.

10/22/2024

Photographer: Connor Hicks

29	**Location / Orientation**	TP-9 and TP-11.
	Remarks	View of TP-9 and TP-11 after backfilling and sod.

Appendix IV – Laboratory Analytical Results and Chain of Custody Forms

EMSL Analytical, Inc.

706 Gralin Street, Kernersville, NC, 27284
Telephone: (336)-992-1025 Fax:(336)-992-4175
EMSL-KE-02

EMSL Order ID: 022450257
LIMS Reference ID: KC50257
EMSL Customer ID: SMEI60

Attention: Jerry Paul
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660
jpaul@smeinc.com

Project Name: East Durham Park (City of Durham Parks PRLF)
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 09/10/2024 09:00
Reported: 09/11/2024 07:36

Analytical Results

Analyte	Results	RL	Volume(L)	Prep Date & Tech	Prep Method	Analysis Date & Analyst	Analytical Method	Q	DF
Client Sample ID: 821-PB-01/Personnel / Driller Sample									**Date Sampled: 09/03/24**
Matrix: Cassettes									**LIMS Reference ID: KC50257-01**
Lead	<5.6 ug/m³	5.6 ug/m³	720	09/10/24 JC	NIOSH 7082	09/10/24 JC	NIOSH 7082		1
Sample Comments:									
Client Sample ID: 821-PB-02/Personnel / Driller Sample									**Date Sampled: 09/04/24**
Matrix: Cassettes									**LIMS Reference ID: KC50257-02**
Lead	<5.6 ug/m³	5.6 ug/m³	720	09/10/24 JC	NIOSH 7082	09/10/24 JC	NIOSH 7082		1
Sample Comments:									
Client Sample ID: 821-PB-03/Personnel / Driller Sample									**Date Sampled: 09/05/24**
Matrix: Cassettes									**LIMS Reference ID: KC50257-03**
Lead	<5.6 ug/m³	5.6 ug/m³	720	09/10/24 JC	NIOSH 7082	09/10/24 JC	NIOSH 7082		1
Sample Comments:									
Client Sample ID: 821-PB-04/Personnel / Driller Sample									**Date Sampled: 09/06/24**
Matrix: Cassettes									**LIMS Reference ID: KC50257-04**
Lead	<5.6 ug/m³	5.6 ug/m³	720	09/10/24 JC	NIOSH 7082	09/10/24 JC	NIOSH 7082		1
Sample Comments:									

EMSL Analytical, Inc.

706 Gralin Street, Kernersville, NC, 27284
Telephone: (336)-992-1025 Fax:(336)-992-4175
EMSL-KE-02

EMSL Order ID: 022450257
LIMS Reference ID: KC50257
EMSL Customer ID: SMEI60

Attention: Jerry Paul
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660
jpaul@smeinc.com

Project Name: East Durham Park (City of Durham Parks PRLF)
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 09/10/2024 09:00
Reported: 09/11/2024 07:36

Certified Analyses included in this Report

Analyte	Certifications
NIOSH 7082 in Cassettes	
Lead	02-AIHA EMLAP

List of Certifications

Code	Description	Number	Expires
02-AIHA ELLAP	American Industrial Hygiene Association (AIHA-LAP) - ELLAP	102564	06/01/2026
02-AIHA EMLAP	American Industrial Hygiene Association (AIHA-LAP) - EMLAP	102564	06/01/2026
02-AIHA IHLAP	American Industrial Hygiene Association (AIHA-LAP) - IHLAP	102564	06/01/2026

Please see the specific Field of Testing (FOT) on www.emsl.com <http://www.emsl.com> for a complete listing of parameters for which EMSL is certified.

Notes and Definitions

Item	Definition
(Dig)	For metals analysis, sample was digested.
[2C]	Reported from the second channel in dual column analysis.
DF	Dilution Factor
MDL	Method Detection Limit.
ND	Analyte was NOT DETECTED at or above the detection limit.
NR	Spike/Surrogate showed no recovery.
Q	Qualifier
RL	Reporting Limit
Wet	Sample is not dry weight corrected.

Measurement of uncertainty and any applicable definitions of method modifications are available upon request. Per EPA NLLAP policy, sample results are not blank corrected.

EMSL Analytical, Inc.

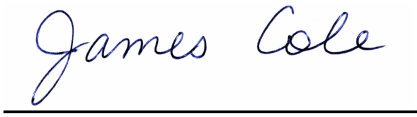
706 Gralin Street, Kernersville, NC, 27284
Telephone: (336)-992-1025 Fax:(336)-992-4175
EMSL-KE-02

EMSL Order ID: 022450257
LIMS Reference ID: KC50257
EMSL Customer ID: SMEI60

Attention: Jerry Paul
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660
jpaul@smeinc.com

Project Name: East Durham Park (City of Durham Parks PRLF)

Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 09/10/2024 09:00
Reported: 09/11/2024 07:36



James Cole Laboratory Manager or other approved signatory

Analysis following EMSL SOP for the Determination of Environmental Lead by FLAA. The laboratory has a reporting limit of 4 µg/filter and is not responsible for any result or reporting limit provided in µg/m3 since it is dependent upon a volume value provided by non-lab personnel. A "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty and definitions of modifications are available upon request. Results in this report are not blank corrected unless specified.

EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

Lead Chain of Custody

EMSL Order Number / Lab Use Only

KC50257

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077

PHONE: (800) 220-3675
EMAIL: CinnaminsonLeadLab@emsl.com

Customer Information		Billing Information	
Customer ID:		Billing ID:	
Company Name:	STME	Company Name:	
Contact Name:	Jerry Paul	Billing Contact:	
Street Address:	320 Spring Forest Rd.	Street Address:	
City, State, Zip:	Raleigh, NC 27616	City, State, Zip:	
Country:	USA	Country:	
Phone:	(919) 618-4722 JPaul@	Phone:	
Email(s) for Report:	[redacted] smeinc.com	Email(s) for Invoice:	

Project Information

Project Name/No: East Durham Park (City of Durham Parks PRLF) Purchase Order:

EMSL LIMS Project ID: (If applicable, EMSL will provide)

US State where samples collected: NC

State of Connecticut (CT) must select project location: ☐ Commercial (Taxable) ☐ Residential (Non-Taxable)

Sampled By Name: Chelsea Parra

Sampled By Signature: CP

No. of Samples in Shipment

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 6 Hour ☒ 24 Hour ☐ 32 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

Please call ahead for large projects and/or turnaround times 8 Hours or Less. *32 Hour TAT available for select tests only; samples must be submitted by 11:30am.

MATRIX	METHOD	INSTRUMENT	REPORTING LIMIT	SELECTION
CHIPS ☐ % by wt. ☐ ppm (mg/kg) ☐ mg/cm²	SW 846-7000B	Flame Atomic Absorption	0.008% (80ppm)	☐
*Reporting Limit based on a minimum 0.25g sample weight	SW 846-6010D*	ICP-OES	0.0004% (4ppm)	☐
AIR	NIOSH 7082	Flame Atomic Absorption	4µg/filter	☒
	NIOSH 7300M / NIOSH 7303M	ICP-OES	0.5µg/filter	☐
	NIOSH 7300M / NIOSH 7303M	ICP-MS	0.05µg/filter	☐
WIPE ☐ ASTM ☐ NON-ASTM	SW 846-7000B	Flame Atomic Absorption	10µg/wipe	☐
*If no box is checked, non-ASTM Wipe is assumed	SW 846-6010D*	ICP-OES	1.0µg/wipe	☐
TCLP	SW 846-1311 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW 846-1311 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
SPLP	SW 846-1312 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW 846-1312 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
TTLC	22 CCR App. II, 7000B/7420	Flame Atomic Absorption	40mg/kg (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	2mg/kg (ppm)	☐
STLC	22 CCR App. II, 7000B/7420	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
Soil	SW 846-7000B	Flame Atomic Absorption	40mg/kg (ppm)	☐
	SW 846-6010D*	ICP-OES	2mg/kg (ppm)	☐
Wastewater	SM 3111B / SW 846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
Unpreserved ☐ / Preserved with HNO3 ☐ PH<2	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	☐
Drinking Water	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	☐
Unpreserved ☐ / Preserved with HNO3 ☐ PH<2	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	☐
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter	☐
Other:				☐

Sample Number	Sample Location	Volume / Area	Date / Time Sampled
821-PB-01	Personnel / Driller Sample	720L	9/3/24 / 1700
821-PB-02	[redacted]	720L	9/4/24 / 1630
821-PB-03		720L	9/5/24 / 1630
821-PB-04		720L	9/6/24 / 1430

Method of Shipment:

Sample Condition Upon Receipt:

Relinquished by:	Date/Time:	Received by:	Date/Time
[signature]	9/6/24 16:50	[signature]	09/06/24 4:50pm
Relinquished by:	Date/Time:	Received by:	Date/Time
		Jen Sweet	9-10-24 9am

Controlled Document - COC-25 Lead R15 4/5/2021

*6010C Available Upon Request

☐ AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.

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