



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 via email: kevin.kelt.deq.nc.gov
Hydrogeologist

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.

A handwritten signature in black ink, appearing to read 'Chelsea A. Parra'.

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

A handwritten signature in black ink, appearing to read 'Gerald Paul'.

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



Table of Contents

1.0	Summary of Current Investigation	1
2.0	Utility Locating	1
3.0	Waste Disposal Area (WDA) Perimeter Delineation	1
3.1	WDA Soil Boring Installations.....	1
3.2	WDA Soil Boring Results	2
3.3	Limited Site Clearing	2
3.4	WDA Test Pits.....	2
3.5	WDA Test Pit Results.....	3
4.0	Air Monitoring.....	3
4.1	Air Monitoring.....	3
5.0	Investigative Derived Waste	3
6.0	Sole Use Statement.....	3
7.0	Certification Acknowledgement	4

List of Figures

Figure 1 – Site Map – Borings & Test Pits

Figure 2 – Waste Delineation Map

Figure 3 – Waste Thickness Map

Appendices

Appendix I – Coordinates of Selected Features

Appendix II – Boring Logs

Appendix III – Photographic Log

Appendix IV – Laboratory Report and Chain of Custody Forms



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 Orders 821RI-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

G Paul

Signature of Environmental Consultant

November 14, 2024

Date

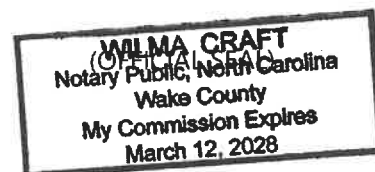
I, Wilma Craft, a Notary Public of said County and State, do hereby certify that

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.

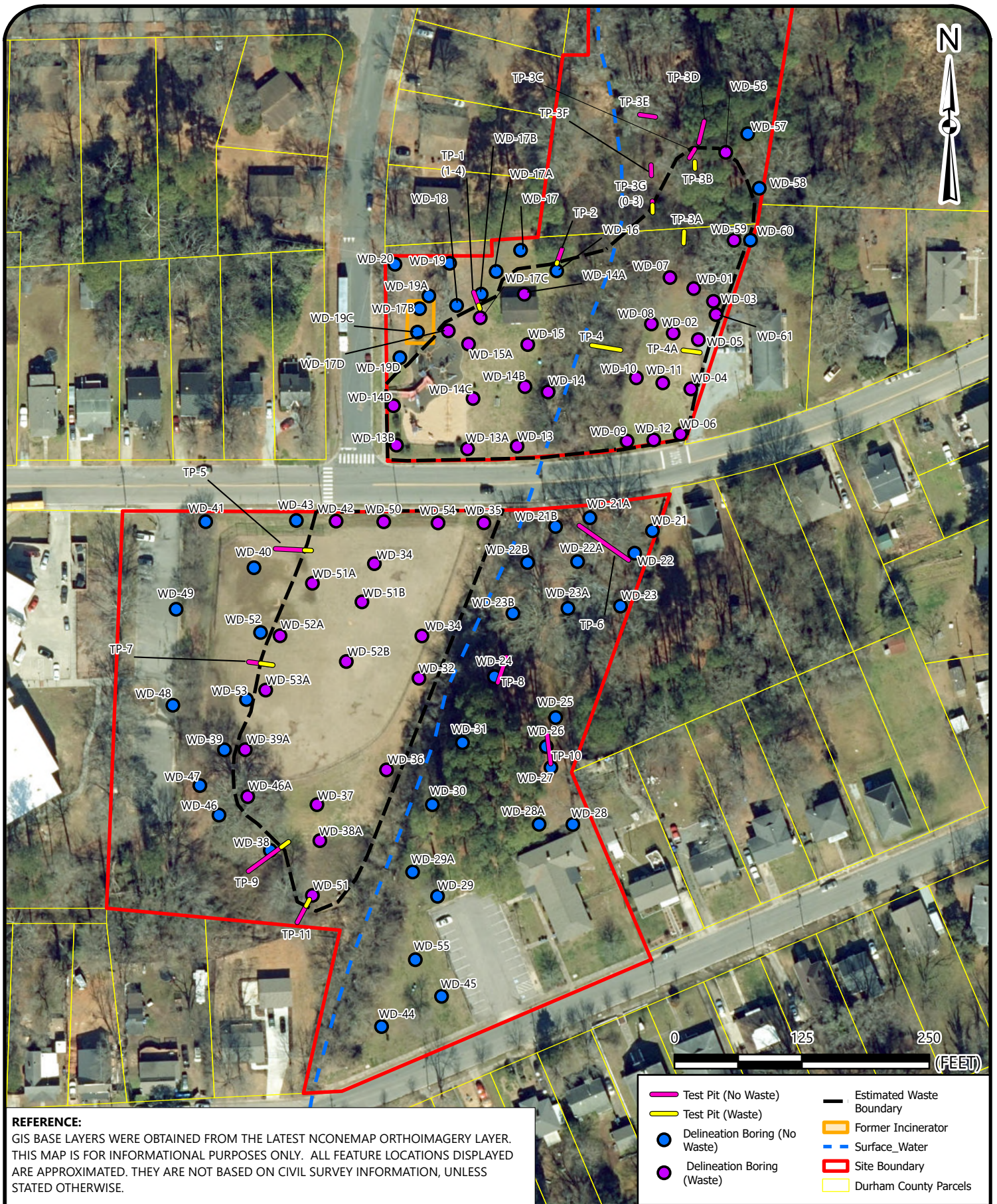
Wilma Craft

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.

- 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



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

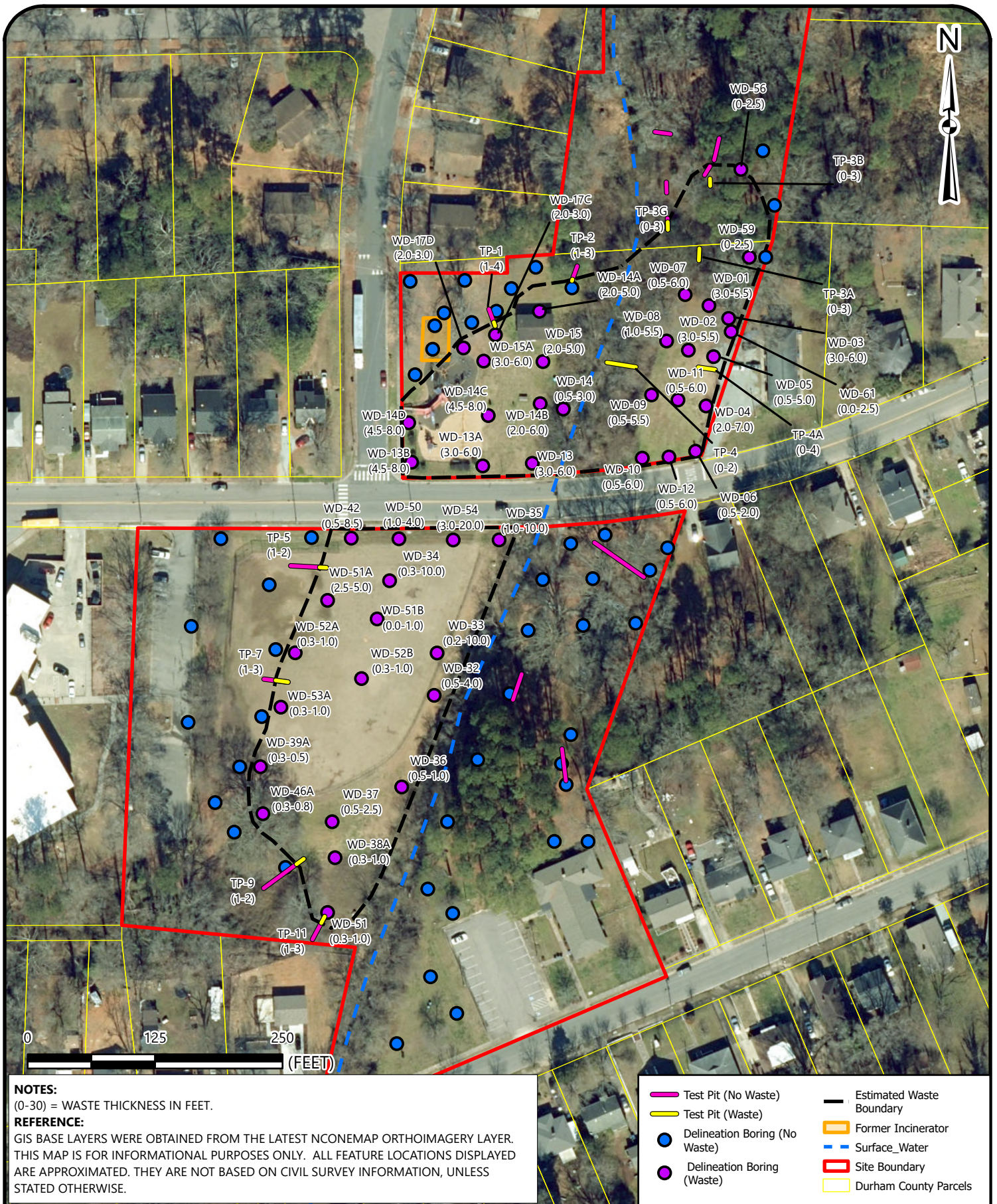
SCALE:
1 in = 125 ft

DATE:
11/14/2024

PROJECT NUMBER
23050630

FIGURE NO.

1



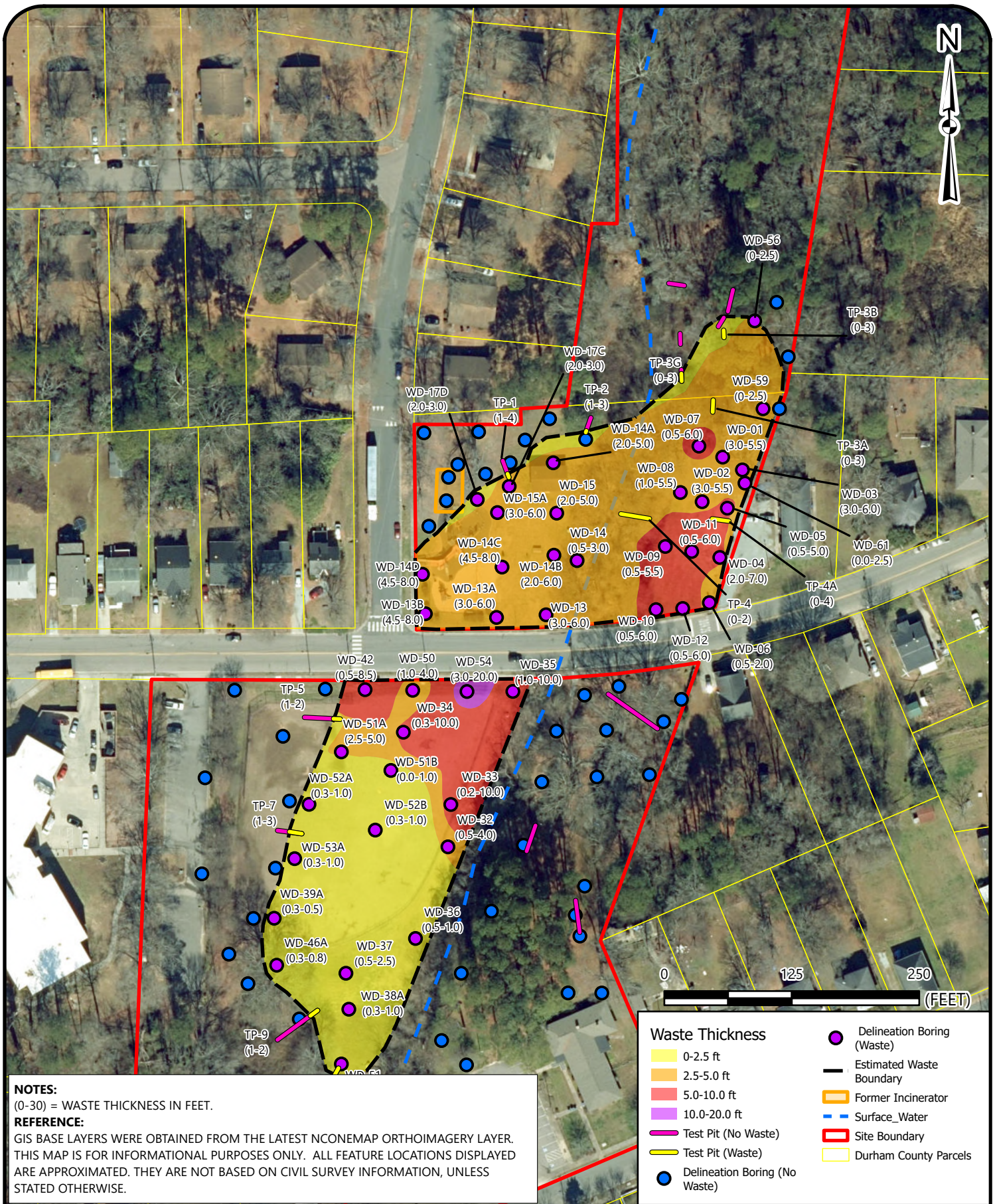
WASTE DELINEATION MAP

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



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

Page 1 of 2

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 Latitude/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

Page 2 of 2

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 Latitude/Longitude and in feet in the North Carolina State Plane Coordinate System (NAD83).

Appendix II - Boring Logs

PROJECT: City of Durham Parks S&ME Project No. 23050630 - East Durham Park Test Pits				TEST PIT LOG: TP-1 <i>Sheet 1 of 1</i>	
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		1.0	[Red Box]		WASTE with ash	-1
2						-2
3						-3
4		4.0			SILTY SAND brown	-4
5						-5
6		6.0			SILTY SAND brown	-6
7						-7
8		8.0			Test Pit terminated at 8.0 feet.	-8
9						-9
10						-10
11						-11
12						

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

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 - East Durham Park Test Pits				TEST PIT LOG: TP-2 <i>Sheet 1 of 1</i>	
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			
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	[Redacted]		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. SILTY SAND black brown	-6
7						-7
8		8.0				-8
9						-9
10						-10
11						-11
12						

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

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 - East Durham Park Test Pits					TEST PIT LOG: TP-3A <i>Sheet 1 of 1</i>	
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			
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	Σ			
END OF DRILLING	Σ			
AFTER DRILLING	Σ			
AFTER DRILLING	Σ			

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 - East Durham Park Test Pits					TEST PIT LOG: TP-3B <i>Sheet 1 of 1</i>	
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			
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	Σ			
END OF DRILLING	Σ			
AFTER DRILLING	Σ			
AFTER DRILLING	Σ			

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 - East Durham Park Test Pits				TEST PIT LOG: TP-3C <i>Sheet 1 of 1</i>	
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	Σ			
END OF DRILLING	Σ			
AFTER DRILLING	Σ			
AFTER DRILLING	Σ			

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 - East Durham Park Test Pits					TEST PIT LOG: TP-3D <i>Sheet 1 of 1</i>	
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			
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	Σ			
END OF DRILLING	Σ			
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 - East Durham Park Test Pits				TEST PIT LOG: TP-3E <i>Sheet 1 of 1</i>	
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			
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	Σ			
END OF DRILLING	Σ			
AFTER DRILLING	Σ			
AFTER DRILLING	Σ			

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 - East Durham Park Test Pits					TEST PIT LOG: TP-3F <i>Sheet 1 of 1</i>	
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			
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	Σ			
END OF DRILLING	Σ			
AFTER DRILLING	Σ			
AFTER DRILLING	Σ			

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 - East Durham Park Test Pits					TEST PIT LOG: TP-3G <i>Sheet 1 of 1</i>	
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			
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	Σ			
END OF DRILLING	Σ			
AFTER DRILLING	Σ			
AFTER DRILLING	Σ			

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 - East Durham Park Test Pits				TEST PIT LOG: TP-4 <i>Sheet 1 of 1</i>	
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			
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						-12

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	Σ			
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 - East Durham Park Test Pits				TEST PIT LOG: TP-4A <i>Sheet 1 of 1</i>	
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			
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	Σ			
END OF DRILLING	Σ			
AFTER DRILLING	Σ			
AFTER DRILLING	Σ			

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 - East Durham Park Test Pits				TEST PIT LOG: TP-5 <i>Sheet 1 of 1</i>	
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	Σ			
END OF DRILLING	Σ			
AFTER DRILLING	Σ			
AFTER DRILLING	Σ			

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 - East Durham Park Test Pits				TEST PIT LOG: TP-6 <i>Sheet 1 of 1</i>	
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	Σ			
END OF DRILLING	Σ			
AFTER DRILLING	Σ			
AFTER DRILLING	Σ			

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 - East Durham Park Test Pits				TEST PIT LOG: TP-7 <i>Sheet 1 of 1</i>	
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			
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	Σ			
END OF DRILLING	Σ			
AFTER DRILLING	Σ			
AFTER DRILLING	Σ			

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 - East Durham Park Test Pits						TEST PIT LOG: TP-8 <i>Sheet 1 of 1</i>	
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				
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	Σ			
END OF DRILLING	Σ			
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 - East Durham Park Test Pits				TEST PIT LOG: TP-9 <i>Sheet 1 of 1</i>	
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					SILTY SAND orange	-2
3		3.0				-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	Σ			
END OF DRILLING	Σ			
AFTER DRILLING	Σ			
AFTER DRILLING	Σ			

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 - East Durham Park Test Pits					TEST PIT LOG: TP-10 <i>Sheet 1 of 1</i>	
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			
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	Σ			
END OF DRILLING	Σ			
AFTER DRILLING	Σ			
AFTER DRILLING	Σ			

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 - East Durham Park Test Pits				TEST PIT LOG: TP-11 <i>Sheet 1 of 1</i>	
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 brown	0
1		1.0	█		WASTE	-1
2			█			-2
3		3.0	█		CLAYS maroon white	-3
4			█			-4
5			█			-5
6			█			-6
7			█			-7
8		8.0	█		Test Pit terminated at 8.0 feet.	-8
9						-9
10						-10
11						-11
12						

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

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 <i>Sheet 1 of 1</i>	
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		0.5			TOPSOIL	
1					SANDY SILT soft, light brown	
2						
3		3.0			Black, Incinerator waste (black soil with glass)	
4						
5		5.5				
6					SILTY CLAY soft, brown, dry, no staining, no odor	
7						
8						
9						
10		10.0			Bore Hole terminated at 10.0 feet.	
11						
12						
13						
14						
15						

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

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	
1		0.5			SANDY SILT light brown	
2						
3		3.0			Black, Incinerator waste (black soil with glass)	
4		Fill				
5		5.5			SILTY CLAY brown, dry, no staining, no odor	
6						
7						
8						
9						
10		10.0			Bore Hole terminated at 10.0 feet.	
11						
12						
13						
14						
15						

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

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 <i>Sheet 1 of 1</i>	
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		0.5			TOPSOIL	
1					SANDY SILT light brown	
2						
3		3.0			Loose, black, Incinerator waste (black soil with glass chunks)	
4						
5						
6		6.0			SILTY CLAY firm, brown, moist	
7						
8						
9						
10		10.0			PWR SILT (ML), stiff, light red brown and gray, dry, Refusal at 12ft	
11						
12		12.0			Bore Hole terminated at 12.0 feet.	
13						
14						
15						

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

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 <i>Sheet 1 of 1</i>	
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	
1		0.5			SANDY SILT light brown	
2		2.0			Loose, black, Incinerator waste (black soil with glass chunks)	
3						
4						
5						
6						
7		7.0			SILTY CLAY firm, brown, moist	
8						
9						
10		10.0			Bore Hole terminated at 10.0 feet.	
11						
12						
13						
14						
15						

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

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	
1		0.5			Loose, black, Incinerator waste (black soil with glass chunks)	
2						
3						
4						
5		5.0			Bore Hole terminated at 5.0 feet. SILTY CLAY brown, moist	
6						
7						
8						
9						
10		10.0				
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	Σ			
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	
1		0.5			Black, Incinerator waste (black soil with glass chunks)	
2		2.0			SILTY CLAY brown, dry	
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	Σ			
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 <i>Sheet 1 of 1</i>	
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					TOPSOIL	
1		0.5			Loose, black, Incinerator waste (black soil and glass)	
2						
3						
4						
5						
6		6.0			SANDY LEAN CLAY moist to wet, Wet clayey sand native	
7						
8						
9						
10		10.0			Bore Hole terminated at 10.0 feet.	
11						
12						
13						
14						
15						

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

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	
1		0.5			Loose, black, Incinerator waste (black soil with glass)	
2						
3						
4						
5						
6		5.5			SANDY SILT light brown to dark brown, moist to wet	
7						
8						
9						
10		10.0			Bore Hole terminated at 10.0 feet.	
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	Σ			
END OF DRILLING	Σ			
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					TOPSOIL	
1					Black, Incinerator waste (black soil with glass)	
2						
3						
4						
5						
6					SANDY SILT light brown to dark brown, moist to wet	
7						
8						
9						
10					Bore Hole terminated at 10.0 feet.	
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	Σ			
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					TOPSOIL	
1		0.5			Incinerator ash and glass	
2						
3						
4						
5						
6		6.0			CLAYEY SAND brown, moist to wet	
7						
8						
9						
10		10.0			Bore Hole terminated at 10.0 feet.	
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	Σ			
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		6.0			CLAYEY SAND brown, moist to wet	
7						
8						
9						
10		10.0			Bore Hole terminated at 10.0 feet.	
11						
12						
13						
14						
15						

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

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 <i>Sheet 1 of 1</i>	
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					TOPSOIL	
1		0.5			Incinerator ash and glass	
2						
3						
4						
5						
6		6.0			CLAYEY SAND brown, moist to wet	
7						
8						
9						
10		10.0			Bore Hole terminated at 10.0 feet.	
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	Σ			
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	
1		0.5			SILTY SAND light brown to brown, dry	
2						
3		3.0				
4					Loose, black, Incinerator waste (black soil and ash)	
5						
6		6.0				
7					SILT with clay, tan and brown, moist	
8						
9						
10		10.0			Bore Hole terminated at 10.0 feet.	
11						
12						
13						
14						
15						

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

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	
1		0.5			SILTY SAND light brown to brown, dry	
2						
3		3.0			Black, Incinerator waste (black soil and ash)	
4						
5						
6		6.0			SILT with clay, tan and brown, moist	
7						
8						
9						
10		10.0			Bore Hole terminated at 10.0 feet.	
11						
12						
13						
14						
15						

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

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 <i>Sheet 1 of 1</i>	
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		0.5			TOPSOIL	
1					SILT (ML), brown	
2						
3						
4						
5		4.5			Black, Incinerator waste	
6		Fill				
7						
8		8.0			SILT (ML), brown	
9						
10		10.0			Bore Hole terminated at 10.0 feet.	
11						
12						
13						
14						
15						

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

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	
1		0.5			Incinerator waste (black soil and glass)	
2						
3		3.0			PWR SILT (ML), stiff, red brown, dry	
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	Σ			
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	
1		0.5			SANDY SILT tan and brown, dry	
2		2.0			Loose, black, Incinerator waste (black soil with glass)	
3						
4						
5		5.0				
6					SILT (ML), with clay, tan brown, dry	
7						
8						
9						
10		10.0			Bore Hole terminated at 10.0 feet.	
11						
12						
13						
14						
15						

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

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 <i>Sheet 1 of 1</i>	
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	
1					SANDY SILT tan and brown, dry	
2					Black, Incinerator waste (black soil with glass)	
3						
4						
5						
6					SILT (ML), with clay, tan brown, dry	
7						
8						
9						
10					Bore Hole terminated at 10.0 feet.	
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	Σ			
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		0.5			TOPSOIL	
1					SILT (ML), brown	
2						
3						
4						
5		4.5			Black, Incinerator waste	
6		Fill				
7						
8		8.0			SILT (ML), brown	
9						
10		10.0			Bore Hole terminated at 10.0 feet.	
11						
12						
13						
14						
15						

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

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	
1						
2						
3						
4						
5		4.5			Black, Incinerator waste	
6						
7						
8		8.0			SILT (ML), brown	
9						
10		10.0			Bore Hole terminated at 10.0 feet.	
11						
12						
13						
14						
15						

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

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)

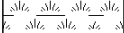
PROJECT: City of Durham Parks S&ME Project No. 23050630				BORING LOG: WD-15 <i>Sheet 1 of 1</i>	
DATE: 09/03/2024		ELEVATION:		NOTES:	
EQUIPMENT: Geoprobe 6620DT		DATUM:			
OPERATOR: Rick Wolf		DEPTH: 10.0 ft			
HAMMER TYPE: Not Applicable		CLOSURE: Mixture of Bentonite Chips and Cuttings			
DRILLING 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	
1					SANDY SILT tan and brown, dry	
2					Black, Incinerator waste (black soil with glass)	
3						
4						
5					SILT (ML), with clay, tan brown, dry	
6						
7						
8						
9						
10					Bore Hole terminated at 10.0 feet.	
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	Σ			
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 <i>Sheet 1 of 1</i>	
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	

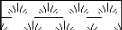
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0		0.5			TOPSOIL	
1					SANDY SILT tan and brown, dry	
2						
3		3.0			Black, Incinerator waste (black soil with glass)	
4						
5						
6		6.0			SILT (ML), with clay, tan brown, dry	
7						
8						
9						
10		10.0			Bore Hole terminated at 10.0 feet.	
11						
12						
13						
14						
15						

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



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	

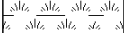
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL SANDY SILT (ML), brown, dry, Some glass in the boring no incinerator material. The glass appears to be from surficial debris and not buried waste.	
1						
2						
3						
4						
5						Bore Hole terminated at 5.0 feet.
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

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



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	

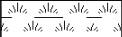
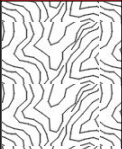
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0		0.5			TOPSOIL	
1					PWR SILT (ML), brown light brown, dry	
2						
3						
4						
5		5.0			Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14			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

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



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 <i>Sheet 1 of 1</i>	
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	

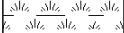
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
1		0.5			Incinerator waste (black soil, glass, and brick)	
2						
3		3.0			PWR red brown, dry, Refusal at 5ft	
4						
5		5.0			Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

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



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 <i>Sheet 1 of 1</i>	
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	

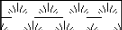
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0		0.5			TOPSOIL	
1					PWR SILT (ML), brown light brown, dry	
2						
3						
4						
5		5.0			Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14			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

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	Σ			
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		0.5			TOPSOIL	
1					SANDY SILT (ML), brown, dry	
2		2.0			Waste - Black soil (no glass or other waste)	
3		3.0			SILT (ML), dark brown and light brown, Refusal at 8ft	
4						
5						
6						
7						
8		8.0			Bore Hole terminated at 8.0 feet.	
9						
10						
11						
12						
13						
14						
15						

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



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)

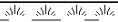
PROJECT: City of Durham Parks S&ME Project No. 23050630				BORING LOG: WD-17D Sheet 1 of 1	
DATE: 09/03/2024		ELEVATION:		NOTES:	
EQUIPMENT: Geoprobe 6620DT		DATUM:			
OPERATOR: Rick Wolf		DEPTH: 5.0 ft			
HAMMER TYPE: Not Applicable		CLOSURE: Mixture of Bentonite Chips and Cuttings			
DRILLING METHOD: 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	
1		0.5			SILT (ML), dark brown and light brown, Refusal at 8ft	
2		2.0			Waste - Black soil (no glass or other waste)	
3		3.0			PWR SILT (ML), brown light brown, dry, Incinerator waste at 2-3ft	
4						
5					Bore Hole terminated at 5.0 feet.	
6						
7						
8		8.0				
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	Σ			
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	

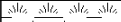
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0		0.3			TOPSOIL SANDY SILT (ML), brown, dry	
1						
2						
3						
4						
5		5.0			Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

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



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	

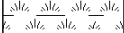
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0		0.5			TOPSOIL	
1					PWR SILT (ML), brown light brown, dry	
2						
3						
4						
5		5.0			Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14			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

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	Σ			
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	

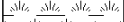
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0		0.5			TOPSOIL	
1					PWR SILT (ML), brown light brown, dry	
2						
3						
4						
5		5.0			Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14			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

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



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	

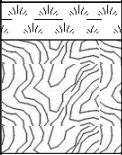
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0		0.5			TOPSOIL	
1					PWR SILT (ML), brown light brown, dry	
2						
3						
4						
5		5.0			Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14			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

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	Σ			
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	

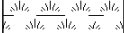
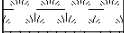
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
1		0.5			PWR firm, red brown, Refusal at 2ft. Some glass no incinerator waste	
2		2.0			Bore Hole terminated at 2.0 feet.	
3						
4						
5						
6						
7						
8						
9						
10						
11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

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



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	

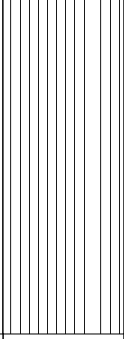
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
1		1.0			PWR SILT (ML), brown light brown, dry to moist	
2						
3						
4						
5		5.0			Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	Σ			
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 <i>Sheet 1 of 1</i>	
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	

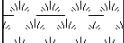
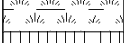
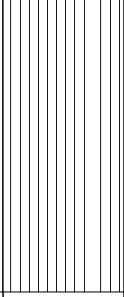
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0		0.5			TOPSOIL SILT (ML), with clay, firm, gray and tan, dry	
1						
2						
3						
4						
5		5.0			Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13			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

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



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 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	

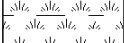
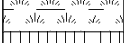
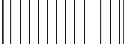
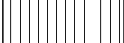
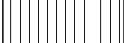
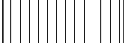
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
1		1.0			PWR SILT (ML), brown light brown, dry	
2						
3						
4						
5		5.0			Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

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



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	

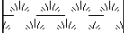
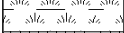
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
1		1.0			PWR SILT (ML), brown light brown, dry	
2						
3						
4						
5		5.0			Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	Σ			
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	

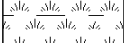
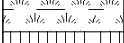
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
1		1.0			PWR SILT (ML), brown light brown, dry to moist	
2						
3						
4						
5		5.0			Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	Σ			
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	

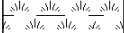
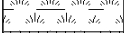
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
1		1.0			PWR SILT (ML), brown light brown, dry	
2						
3						
4						
5		5.0			Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	Σ			
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	

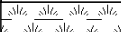
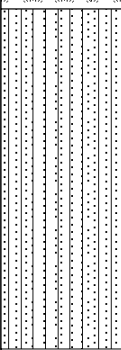
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
1		1.0			PWR SILT (ML), brown light brown, dry to moist	
2						
3						
4						
5		5.0			Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

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



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	

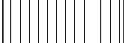
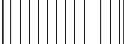
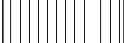
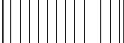
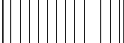
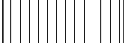
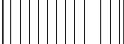
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
1					SILTY SAND tan and brown, dry to moist	
2						
3						
4						
5					Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

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



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 <i>Sheet 1 of 1</i>	
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	

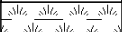
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0		0.5			TOPSOIL PWR SILT (ML), red purple, dry, Refusal at 2ft	
1						
2						
3						
4						
5		5.0			Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13		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

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



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 <i>Sheet 1 of 1</i>		
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		

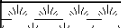
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
1					SANDY SILT brown, dry	
2						
3					PWR SILTY CLAY red brown, Top soil then native	
4						
5					Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						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

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	Σ			
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	

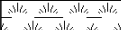
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
1					SANDY SILT brown, dry	
2						
3					PWR SILTY CLAY red brown, Top soil then native	
4						
5					Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						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

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	Σ			
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	

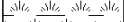
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0		0.5			TOPSOIL	
1					SANDY SILT brown, dry	
2						
3						
4						
5		5.0				
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
					Bore Hole terminated at 5.0 feet.	

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



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 <i>Sheet 1 of 1</i>	
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	

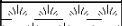
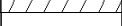
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0		0.5			TOPSOIL	
1					SANDY SILT brown, dry	
2						
3						
4						
5		5.0			Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

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



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	

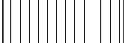
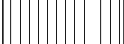
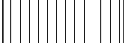
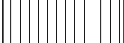
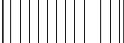
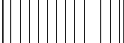
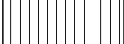
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
1		0.5 1.0	 		SILT with clay, brown SILT with clay, red brown, dry	
2			           			
5		5.0			PWR FAT CLAY with clay, stiff, red brown, Refusal at 6ft	
6		6.0			Bore Hole terminated at 6.0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

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	Σ			
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	

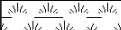
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0		0.5			TOPSOIL	
1					SANDY SILT brown, dry	
2						
3						
4						
5		5.0			Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

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



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	

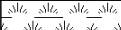
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0		0.5			TOPSOIL	
1					SANDY SILT brown, dry	
2						
3						
4						
5		5.0			Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

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



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	

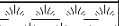
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0		0.5			TOPSOIL	
1					SANDY SILT brown, dry	
2						
3						
4						
5		5.0			Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

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



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 <i>Sheet 1 of 1</i>	
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					TOPSOIL	
1		0.5 1.0			SILTY SAND brown	
2					SILTY CLAY brown, moist	
3						
4						
5						
6						
7						
8						
9		9.0			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)

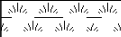
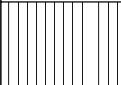
PROJECT: City of Durham Parks S&ME Project No. 23050630				BORING LOG: WD-29A Sheet 1 of 1	
DATE: 09/03/2024		ELEVATION:		NOTES:	
EQUIPMENT: Geoprobe 6620DT		DATUM:			
OPERATOR: Rick Wolf		DEPTH: 9.0 ft			
HAMMER TYPE: Not Applicable		CLOSURE: Mixture of Bentonite Chips and Cuttings			
DRILLING METHOD: 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					TOPSOIL	
1		0.5 1.0	 		SILTY SAND brown SILTY CLAY brown, moist	
2						
3						
4						
5						
6						
7						
8						
9		9.0			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-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	

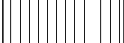
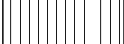
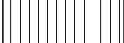
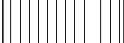
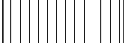
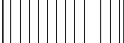
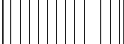
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0		0.5			TOPSOIL	
1					PWR SILT (ML), firm, red purple, dry, Refusal at 2ft	
2		2.0			Bore Hole terminated at 2.0 feet.	
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						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

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



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 SILT stiff, tan, dry	
1						
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	Σ			
END OF DRILLING	Σ			
AFTER DRILLING	Σ			
AFTER DRILLING	Σ			



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)

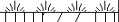
PROJECT: City of Durham Parks S&ME Project No. 23050630				BORING LOG: WD-32 Sheet 1 of 1	
DATE: 09/03/2024		ELEVATION:		NOTES:	
EQUIPMENT: Geoprobe 6620DT		DATUM:			
OPERATOR: Rick Wolf		DEPTH: 7.0 ft			
HAMMER TYPE: Not Applicable		CLOSURE: Mixture of Bentonite Chips and Cuttings			
DRILLING METHOD: 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	
1		0.5			Loose, black, moist, Incinerator waste (black soil with glass)	
2						
3						
4		4.0			SILTY SAND loose, brown, medium to coarse grained, wet	
5						
6						
7		7.0			Bore Hole terminated at 7.0 feet.	
8						
9						
10						
11						
12						
13						
14						
15						

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

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 <i>Sheet 1 of 1</i>	
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	

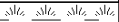
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0		0.2			Topsoil	
1					SILTY CLAY brown, moist	
2		2.0			Brown, fine to medium grained, Incinerator waste (black soil and glass)	
3						
4						
5		Fill				
6						
7						
8						
9						
10		10.0			Bore 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-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 Incerator waste with glass and brick	
1						
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 <i>Sheet 1 of 2</i>	
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		1.0			Black, Incinerator waste	
2						
3						
4						
5						
6						
7						
8						
9						
10		10.0			SILTY SAND light brown	
11						
12						
13						
14						
15		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-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			
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					Bore Hole terminated at 15.0 feet.	
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

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

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	
1		0.5 1.0	 		Black, Incinerator ash mixed through soil, small glass pieces SILTY CLAY soft, light brown to tan, moist to wet	
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	Σ			
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)

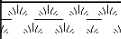
PROJECT: City of Durham Parks S&ME Project No. 23050630				BORING LOG: WD-37 <i>Sheet 1 of 1</i>	
DATE: 09/03/2024		ELEVATION:		NOTES:	
EQUIPMENT: Geoprobe 6620DT		DATUM:			
OPERATOR: Rick Wolf		DEPTH: 5.0 ft			
HAMMER TYPE: Not Applicable		CLOSURE: Mixture of Bentonite Chips and Cuttings			
DRILLING 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	
1					Incinerator soil mixed with glass	
2						
3					SILT (ML), brown	
4						
5					Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	Σ			
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 <i>Sheet 1 of 1</i>	
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 SILTY SAND	
1						
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	☒			



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 LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf)

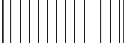
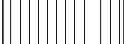
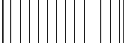
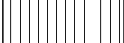
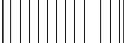
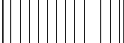
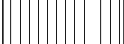
PROJECT: City of Durham Parks S&ME Project No. 23050630				BORING LOG: WD-38A <i>Sheet 1 of 1</i>	
DATE: 09/03/2024		ELEVATION:		NOTES:	
EQUIPMENT: Geoprobe 6620DT		DATUM:			
OPERATOR: Rick Wolf		DEPTH: 5.0 ft			
HAMMER TYPE: Not Applicable		CLOSURE: Mixture of Bentonite Chips and Cuttings			
DRILLING 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					TOPSOIL	
		0.3			Black, Incinerator waste	
1		1.0			SILTY CLAY brown	
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	≡			

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 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 <i>Sheet 1 of 1</i>	
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		0.5			TOPSOIL	
1					SANDY SILT 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	Σ			
END OF DRILLING	Σ			
AFTER DRILLING	Σ			
AFTER DRILLING	Σ			



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)

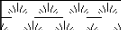
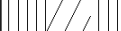
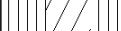
PROJECT: City of Durham Parks S&ME Project No. 23050630				BORING LOG: WD-39A Sheet 1 of 1	
DATE: 09/03/2024		ELEVATION:		NOTES:	
EQUIPMENT: Geoprobe 6620DT		DATUM:			
OPERATOR: Rick Wolf		DEPTH: 3.0 ft			
HAMMER TYPE: Not Applicable		CLOSURE: Mixture of Bentonite Chips and Cuttings			
DRILLING METHOD: 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	
1		0.5			Incinerator ash with some waste	
2					SILT brown	
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	Σ			
END OF DRILLING	Σ			
AFTER DRILLING	Σ			
AFTER DRILLING	Σ			

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	

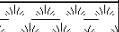
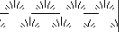
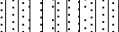
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0					TOPSOIL	
1					SANDY SILT light brown	
2						
3					SILTY CLAY brown, moist	
4						
5						
6						
7						
8						
9						
10					Bore Hole terminated at 10.0 feet.	
11						
12						
13						
14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

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	Σ			
END OF DRILLING	Σ			
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		1.5			SILTY SAND	
2						
3						
4						
5						
6		6.5				
7					Bore Hole terminated at 6.5 feet.	
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	Σ			
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 <i>Sheet 1 of 2</i>	
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	
1					Black, Incinerator waste with glass	
2						
3						
4						
5						
6						
7						
8						
9					SILT with clay, light orange brown	
10					PWR red brown purple brown	
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	Σ			
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)

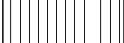
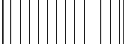
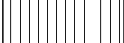
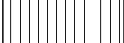
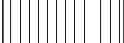
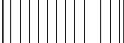
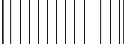
PROJECT: City of Durham Parks S&ME Project No. 23050630					BORING LOG: WD-42 Sheet 2 of 2	
DATE: 09/03/2024			ELEVATION:		NOTES:	
EQUIPMENT: Geoprobe 6620DT			DATUM:			
OPERATOR: Rick Wolf			DEPTH: 15.0 ft			
HAMMER TYPE: Not Applicable			CLOSURE: Mixture of Bentonite Chips and Cuttings			
DRILLING METHOD: DPT			LOGGED BY: Chelsea Parra			
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					Bore Hole terminated at 15.0 feet.	
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

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

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	

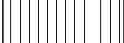
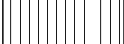
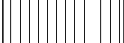
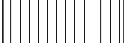
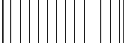
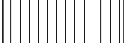
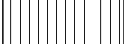
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0		0.5			TOPSOIL SILT (ML), brown	
1						
2						
3						
4						
5		5.0			Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

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



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 <i>Sheet 1 of 1</i>	
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	

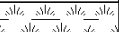
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0		0.5			TOPSOIL SILT (ML), brown	
1						
2						
3						
4						
5		5.0			Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

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



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 <i>Sheet 1 of 1</i>	
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	

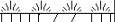
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0		0.5			TOPSOIL	
1					SANDY LEAN CLAY brown, moist	
2						
3						
4						
5		5.0			Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	Σ			
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 SILTY CLAY soft, light brown, moist	
1						
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	Σ			
END OF DRILLING	Σ			
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	
1		0.8			Incinerator waste with glass	
2					PWR light brown	
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	Σ			
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)

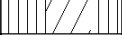
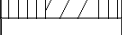
PROJECT: City of Durham Parks S&ME Project No. 23050630				BORING LOG: WD-47 Sheet 1 of 1	
DATE: 09/03/2024		ELEVATION:		NOTES:	
EQUIPMENT: Geoprobe 6620DT		DATUM:			
OPERATOR: Rick Wolf		DEPTH: 5.0 ft			
HAMMER TYPE: Not Applicable		CLOSURE: Mixture of Bentonite Chips and Cuttings			
DRILLING METHOD: 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		1.0			SANDY LEAN CLAY soft, light brown to tan, moist to wet	
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	Σ			
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	

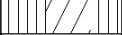
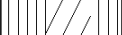
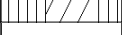
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0		0.2			Asphalt	
1		1.0			SILTY CLAY (CL-ML), soft, light brown to dark brown, moist, no staining, no odor	
2					Light gray and light brown fill	
3		Fill				
4						
5		5.0			PWR SILTY CLAY (CL-ML), firm,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

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	Σ			
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		1.0			SILTY CLAY (CL-ML), soft, light brown to dark brown, moist, no staining, no odor	
2					Light gray and light brown fill	
3		Fill				
4						
5		5.0			PWR SILTY CLAY (CL-ML), firm, red and brown, dry, no staining, no odor	
6						
7		7.0			Bore Hole terminated at 7.0 feet.	
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	Σ			
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)

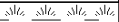
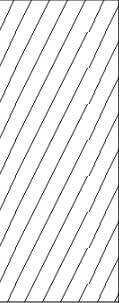
PROJECT: City of Durham Parks S&ME Project No. 23050630				BORING LOG: WD-50 Sheet 1 of 1	
DATE: 09/03/2024		ELEVATION:		NOTES:	
EQUIPMENT: Geoprobe 6620DT		DATUM:			
OPERATOR: Rick Wolf		DEPTH: 5.0 ft			
HAMMER TYPE: Not Applicable		CLOSURE: Mixture of Bentonite Chips and Cuttings			
DRILLING METHOD: 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		1.0			Black, Incinerator waste	
2						
3		Fill				
4		4.0			SILT (ML), brown	
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	Σ			
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	

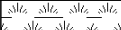
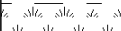
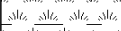
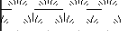
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0		0.3			TOPSOIL	
1		1.0			Black, Incinerator waste	
2					SILTY CLAY brown	
3						
4						
5		5.0			Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						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

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	Σ			
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 <i>Sheet 1 of 1</i>	
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	
1						
2						
2.5						
3					Incinerator waste with glass	
4						
5					PWR light gray and very light red	
6						
7					Bore Hole terminated at 7.0 feet.	
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	Σ			
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)

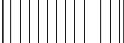
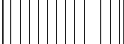
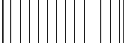
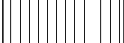
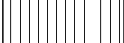
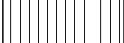
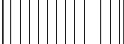
PROJECT: City of Durham Parks S&ME Project No. 23050630				BORING LOG: WD-51B Sheet 1 of 1	
DATE: 09/03/2024		ELEVATION:		NOTES:	
EQUIPMENT: Geoprobe 6620DT		DATUM:			
OPERATOR: Rick Wolf		DEPTH: 13.5 ft			
HAMMER TYPE: Not Applicable		CLOSURE: Mixture of Bentonite Chips and Cuttings			
DRILLING METHOD: 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				
14					Bore Hole terminated at 13.5 feet.	
15						

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

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	

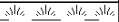
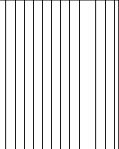
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0		0.5			TOPSOIL SILT (ML), with clay, brown	
1						
2						
3						
4						
5		5.0			Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	Σ			
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	

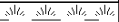
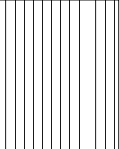
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0		0.3			TOPSOIL	
1		1.0			Incinerator ash with glass, waste	
2					SILT (ML), with clay, brown	
3		3.0			Bore Hole terminated at 3.0 feet.	
4						
5						
6						
7						
8						
9						
10						
11				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

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	Σ			
END OF DRILLING	Σ			
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	

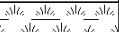
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0		0.3			TOPSOIL	
1		1.0			Incinerator ash with glass, waste	
2					SILT (ML), with clay, brown	
3		3.0			Bore Hole terminated at 3.0 feet.	
4						
5						
6						
7						
8						
9						
10						
11				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

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	Σ			
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		BORING LOG: WD-53	
				S&ME Project No. 23050630		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			

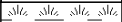
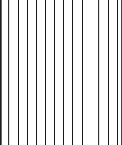
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0		0.5			TOPSOIL	
1					SANDY LEAN CLAY light brown to tan, moist	
2						
3						
4						
5		5.0			Bore Hole terminated at 5.0 feet.	
6						
7						
8						
9						
10						
11						
12						
13						
14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

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	Σ			
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		BORING LOG: WD-53A	
				S&ME Project No. 23050630		<i>Sheet 1 of 1</i>	
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			

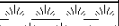
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO.	MATERIAL DESCRIPTION	WATER LEVEL
0		0.3			TOPSOIL	
1		1.0			Incinerator ash with glass, waste	
2					SILT (ML), with clay, brown	
3		3.0			Bore Hole terminated at 3.0 feet.	
4						
5						
6						
7						
8						
9						
10						
11						
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-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	
1		0.5			SILT (ML), with clay, brown	
2						
3		3.0			Black, Incinerator waste	
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

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



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)

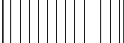
PROJECT: City of Durham Parks S&ME Project No. 23050630				BORING LOG: WD-54A Sheet 1 of 1	
DATE: 09/03/2024		ELEVATION:		NOTES:	
EQUIPMENT: Geoprobe 6620DT		DATUM:			
OPERATOR: Rick Wolf		DEPTH:			
HAMMER TYPE: Not Applicable		CLOSURE: Mixture of Bentonite Chips and Cuttings			
DRILLING METHOD:		LOGGED 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		4.0				
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

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

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		0.5			TOPSOIL SILT (ML), brown	
1						
2						
3						
4						
5		5.0				
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

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



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



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

			10/22/2024
1	Location / Orientation	TP-1	
	Remarks	View of the test pit with brick pieces visible.	
			10/22/2024
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.



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

			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.		



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

			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.	



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

			10/22/2024
9	Location / Orientation	TP-3D	
	Remarks	View of waste in TP-3B.	
			10/22/2024
10	Location / Orientation	TP-3E	
	Remarks	View of TP-3E.	



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S&ME Project No. 23050630

		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.



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S&ME Project No. 23050630

			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.		



Remedial Investigation – Waste Delineation Assessment Report
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S&ME Project No. 23050630

			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.		



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S&ME Project No. 23050630

		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.



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

			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.	



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S&ME Project No. 23050630

			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.		



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S&ME Project No. 23050630

			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.	



Remedial Investigation – Waste Delineation Assessment Report
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S&ME Project No. 23050630

		10/22/2024
Photographer: Connor Hicks		
25	Location / Orientation	TP-9
	Remarks	View of TP-9, with waste from 1-3.5 ft.
		10/22/2024
Photographer: Connor Hicks		
26	Location / Orientation	TP-10
	Remarks	View of TP-10, with no waste.



Remedial Investigation – Waste Delineation Assessment Report
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S&ME Project No. 23050630

		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 Galin 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/m ³	5.6 ug/m ³	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/m ³	5.6 ug/m ³	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/m ³	5.6 ug/m ³	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/m ³	5.6 ug/m ³	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 Galin 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

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. QC sample results are within quality control criteria and met method specifications unless otherwise noted. All results for soil samples are reported on a dry weight basis, unless otherwise noted.

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

EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

Lead Chain of Custody

EMSL Order Number / Lab Use Only

EMSL Analytical, Inc.

200 Route 130 North

Cinnaminson, NJ 08077

PHONE: (800) 220-3675

EMAIL: CinnaminsonLeadLab@emsl.com

1050257

Customer Information	Customer ID:		Billing Information	Billing ID:	
	Company Name:	STME		Company Name:	
	Contact Name:	Jerry Paul		Billing Contact:	
	Street Address:	320 Spiny Forest Rd.		Street Address:	
	City, State, Zip:	Raleigh, NC 27616		City, State, Zip:	
	Country:	USA		Country:	
	Phone:	(919) 618-4722		Phone:	
	Email(s) for Report:	emsl@emsl.com jerry.paul@stme.com		Email(s) for Invoice:	

Project Name/No:		East Durham Park (City of Durham Parks PRUF)		Purchase Order:	
EMSL LIMS Project ID:		US State where samples collected:		State of Connecticut (CT) must select project location:	
(If applicable, EMSL will provide)		NC		☐ Commercial (Taxable) ☐ Residential (Non-Taxable)	
Sampled By Name:	Chrisea 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			

MATRIX	METHOD	INSTRUMENT	REPORTING LIMIT	SELECTION
CHIPS ☐ % by wt. ☐ ppm (mg/kg) ☐ mg/cm ²	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	☐
	SW 846-7000B	Flame Atomic Absorption	10µg/wipe	☐
WIPE ☐ ASTM ☐ NON-ASTM	SW 846-6010D*	ICP-OES	1.0µg/wipe	☐
*If no box is checked, non-ASTM Wipe is assumed	SW 846-1311 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
TCLP	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 ☐	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	☐
Preserved with HNO ₃ ☐ PH<2	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	☐
Drinking Water	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	☐
Unpreserved ☐				☐
Preserved with HNO ₃ ☐ PH<2				☐
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	9/13/24 / 1700
821-PB-02	↓	720L	9/14/24 / 1630
821-PB-03		720L	9/15/24 / 1630
821-PB-04		720L	9/16/24 / 1430

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by:	Date/Time:	Received by:	Date/Time:
<i>[Signature]</i>	9/6/24 16:50	<i>[Signature]</i>	09/10/24 4:50pm
Relinquished by:	Date/Time:	Received by:	Date/Time:
		Jen Sweet	9/10/24 9:44

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.

Page Page 4 of 4

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