



Remedial Investigation
Waste Delineation Assessment Report
Walltown Park – City of Durham, NONCD0000824
Durham, Durham County, North Carolina
Task Orders 824RI-5 and 821RI-9
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
March 24, 2025**



March 24, 2025

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
Walltown Park – City of Durham**
1308 West Club Boulevard, Durham, Durham County, North Carolina
NCDEQ ID No. NONCD0000821
NCDEQ Task Orders 824RI-5 and 821RI-9
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 824RI-5 and No. 23050630AS, dated January 6, 2025, for Task Order 821RI-9 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 blue ink, appearing to read 'Emily Hermann'.

Emily Hermann
Environmental Staff Geologist
emilyhermann@smeinc.com

A handwritten signature in blue 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



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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 824RI-5 and No. 23050630AS, dated January 6, 2025, for Task Order 821RI-9 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 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 February 2025) and S&ME's approved *Standard Operating Procedures and Quality Assurance (SOP/QA) Manual*, previously approved by NCDEQ.

2.0 Utility Locating

On October 29, 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 Number (PIN) 080822553569.

S&ME's subcontract drill crew, Quantex, installed 68 soil borings (WD-01 to WD-68 and offset borings) between November 12 and November 15, 2024.

Quantex'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). Soil types identified can be found in **Table 1**.



Additionally, in areas that could not be accessed by the Geoprobe, S&ME advanced five soil borings using a stainless-steel six-inch electric power auger in February 2025. Borings were advanced to approximately three 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, ceramic, brick, and glass. The waste was described as having the consistency of soil with large fragments of glass, ceramic, and brick. Waste was encountered at depths of just below the surface to approximately 10 ft-bgs (soil cover).

In general, noted waste in the investigation area was thinner in some of the outer portions of the property and got thicker as the waste approaches the central part of the property and the stream that runs through the property. At three boring locations (WD-07, WD-10 and WD-22) the waste extended down to a maximum soil boring depth of 10 ft-bgs (between 5 - 10 feet). Buried waste was not identified along the woods southwest of Guess Rd and on the eastern side of the property approaching Lancaster St. Buried waste was variable in depth (approximately 0.5 – 10.0 ft-bgs) and thickness (approximately 0.5 - 7 feet thick) was identified. At three boring locations (WD-07, WD-10 and WD-22) the thickest waste was identified, at approximately five feet thick. Based upon this investigation the waste appears to extend beyond the southwestern property boundary. Buried waste is estimated to occupy approximately 4.74 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 WDA Test Pits

S&ME's subcontractor, Buckeye Elm Contracting, LLC (Buckeye) advanced five test pits (TP-1 to TP-5) on January 24, 2025 to confirm the previously delineated WDA. Buckeye utilized an excavator to conduct waste delineation test pits to a maximum excavation depth of four 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**.

3.4 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 surface level and up to a depth of 10.0 ft-bgs.

On the property, waste was observed west of the stream starting from 0.50 ft-bgs to approximately 3 ft-bgs in multiple locations. Results from the test pits suggest waste extends across both sides of the stream to the playground area in the northeastern section of the property. The results also suggest waste



possibly extends across Guess Rd. The test pit results show similar results to the waste delineation borings conducted in November 2024.

The overall extent of the buried waste extends over the central portion of 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 I**.

4.0 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 not reported at concentrations above laboratory reporting limits. 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. 23050630AS, dated No. 23050630AS, dated January 6, 2025, for Task Order 821RI-9, as authorized by NCDEQ Task Orders 821RI-5 and 821RI-9.



7.0 Certification Acknowledgement

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

Gerald Paul/ S&ME, Inc.

Name of Environmental Consultant / Company

Signature of Environmental Consultant

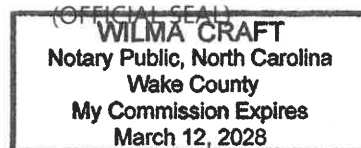
March 24, 2025

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 24 day of March, 2025.

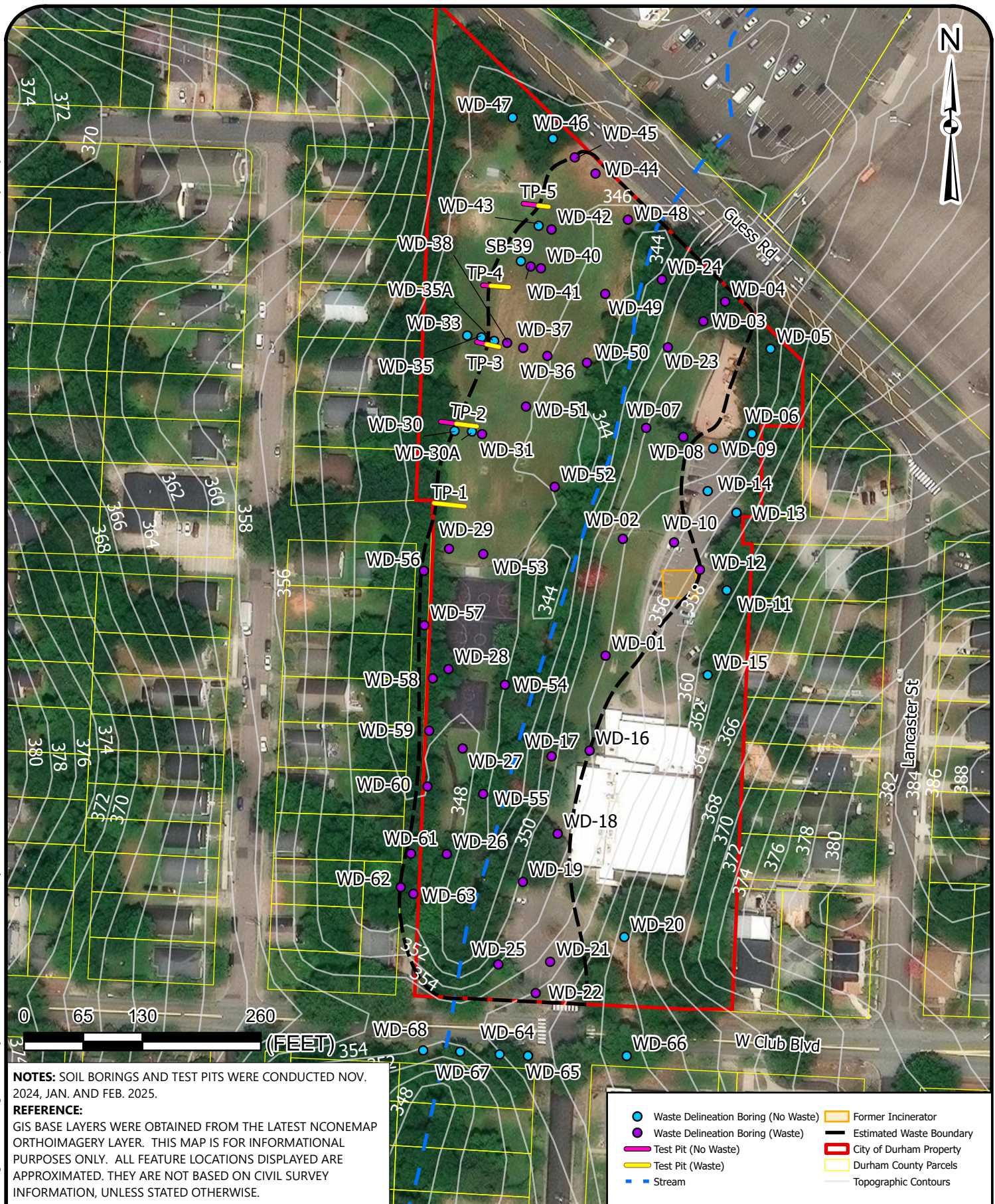
Notary Public (signature)



My commission expires: March 12 2028

Figures

Drawing Path: T:\Raleigh-1050\Projects\2023\23050630_NCDEQ LE_City of Durham Parks (PRLF)_Durham NCENV\GIS\RI-5 Walthown Park\RI-5 Walthown Park.aprx Plotted by: EmilyHermann



SITE MAP - BORINGS AND TEST PITS

WALTOWN PARK
NCDEQ ID NO. NONCD0000824, TASK ORDER 824RI-5 & 821RI-9
1308 W. CLUB BOULEVARD
DURHAM, NORTH CAROLINA

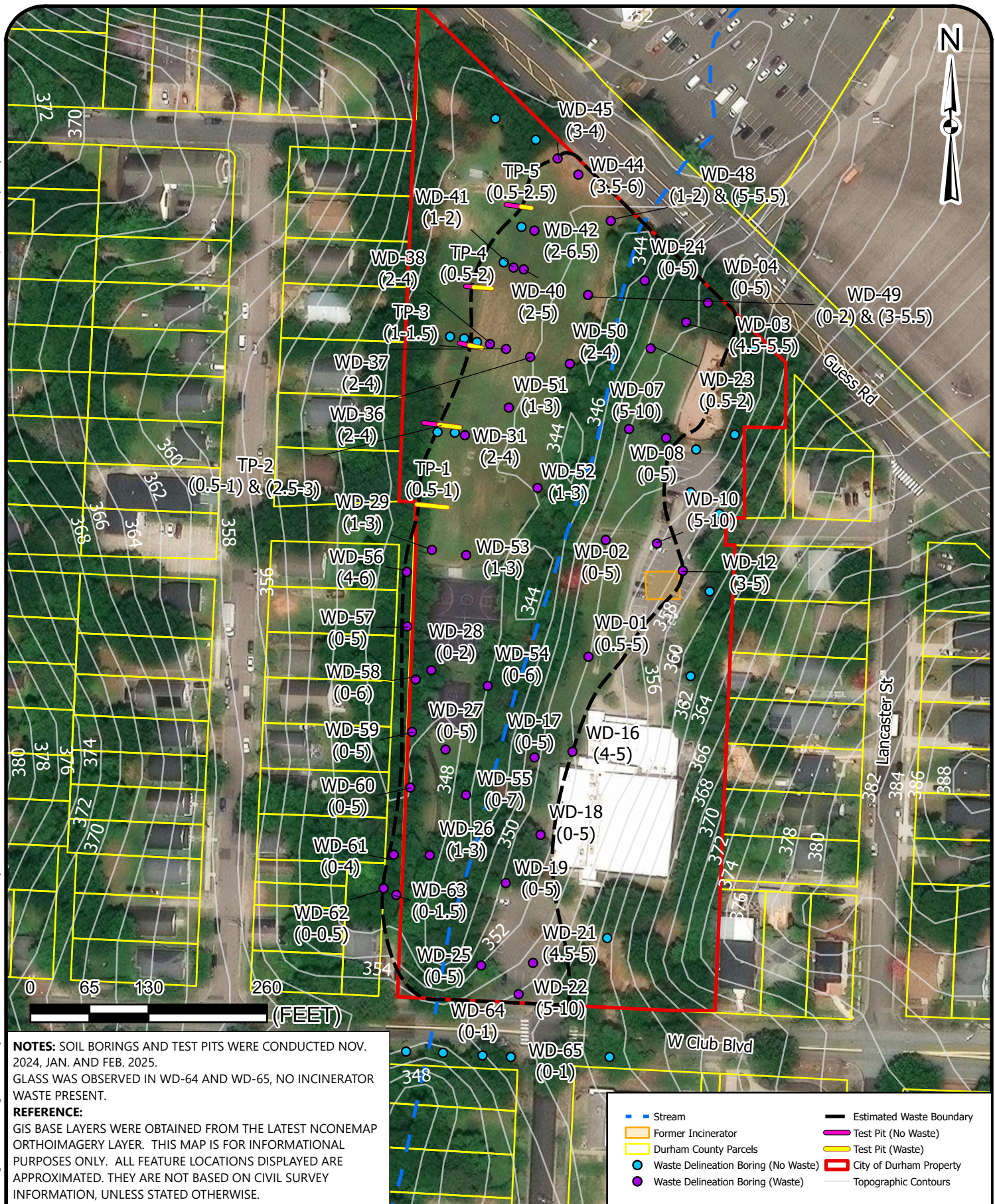
SCALE:
1 in = 140 ft

DATE:
3/21/2025
PROJECT NUMBER
23050630

FIGURE NO.

1

Drawing Path: T:\Raleigh-1050\Projects\2023\23050630_NCDEQ LE_City of Durham Parks (PRLF)_Durham NCENV\GIS\RI-5 Waltham Park\RI-5 Waltham Park.aprx Plotted by: EmilyHermann



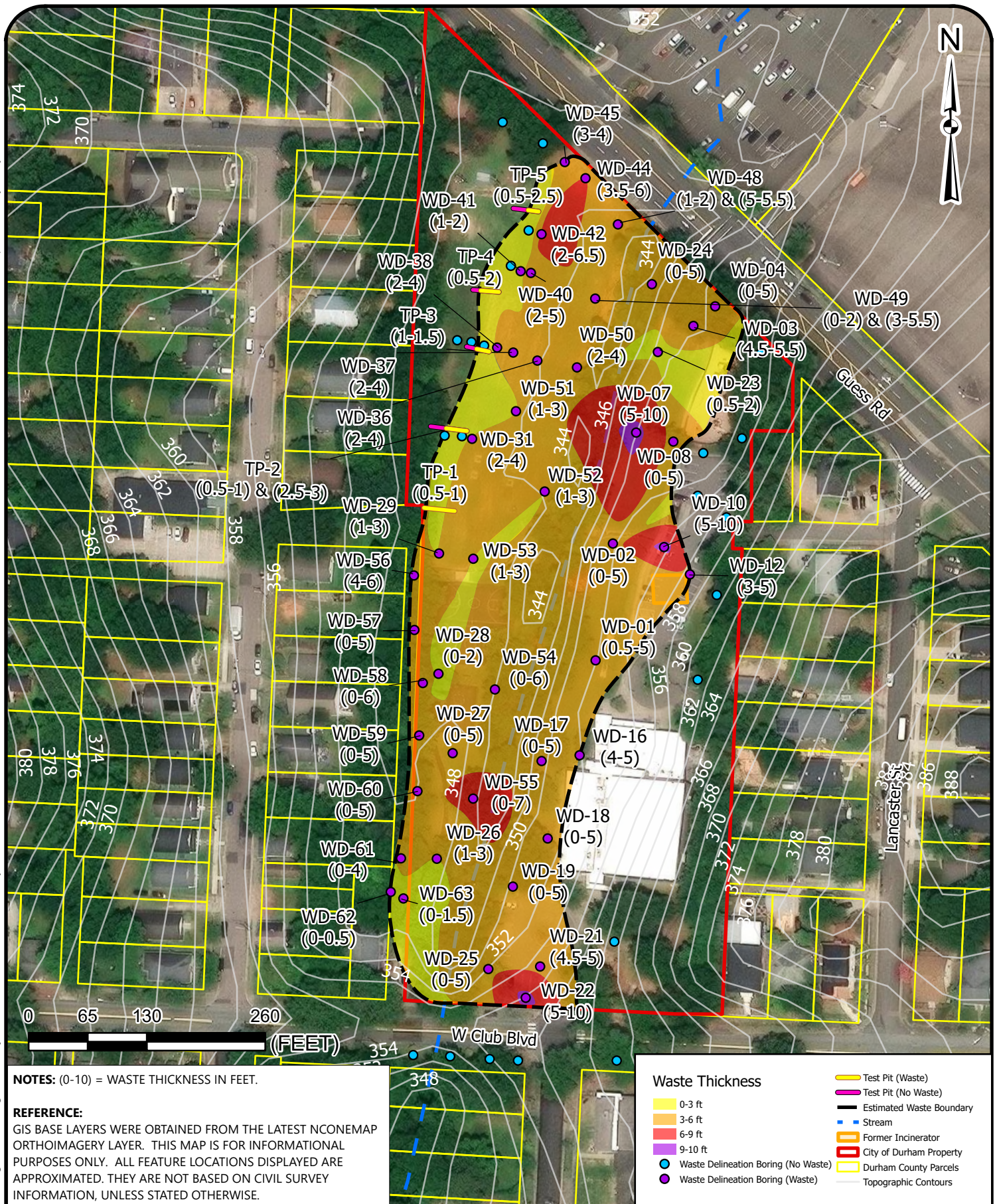
WASTE DELINEATION MAP

WALLTOWN PARK
NCDEQ ID NO. NONCD0000824, TASK ORDER 824RI-5 & 821RI-9
1308 W. CLUB BOULEVARD
DURHAM, NORTH CAROLINA

SCALE:
1 in = 140 ft
DATE:
3/21/2025
PROJECT NUMBER
23050630

FIGURE NO.

2



WASTE THICKNESS MAP

WALTOWN PARK
NCDEQ ID NO. NONCD0000824, TASK ORDER 824RI-5 & 821RI-9
1308 W. CLUB BOULEVARD
DURHAM, NORTH CAROLINA

SCALE:
1 in = 140 ft
DATE:
3/21/2025
PROJECT NUMBER
23050630

FIGURE NO.
3

Tables



Table 1
WDA Delineation
Walltown Park, NONCD0000824
Durham, Durham County, North Carolina
S&ME Project No.: 23050230, Task Order 824RI-5 & 821RI-9

Site Feature	Type	Location			
		USCS	Final Depth (FT)	Waste Depth (FT)	Waste Classification
TP-1	Trench	CL-ML	2.0	0.5-1	ASH
TP-2	Trench	CL	3.0	0.5-1, 2.5-3	BRICK, GLASS, CERAMIC, METAL
TP-3	Trench	CL	4.0	1-1.5	GLASS, BRICK, CERAMIC
TP-4	Trench	CL	4.0	0.5-2	LOTS OF BRICK, METAL
TP-5	Trench	CL	3.0	0.5-2.5	ASH
WD-01	Waste Delineation Boring	CL	10.0	0.5-5	ASH, GLASS
WD-02	Waste Delineation Boring	FILL	10.0	0-5	ASH, GLASS, BRICK
WD-03	Waste Delineation Boring	CL-ML	10.0	4.5-5.5	GLASS, MELTED PIECES, CERAMIC
WD-04	Waste Delineation Boring	CL	10.0	0-5	GLASS, ASH
WD-05	Waste Delineation Boring	CL-ML	10.0	NA	NA
WD-06	Waste Delineation Boring	CL	5.0	NA	NA
WD-07	Waste Delineation Boring	CL-ML	10.0	5-10	ASH
WD-08	Waste Delineation Boring	CL	10.0	0-5	GLASS, ASH, BRICK
WD-09	Waste Delineation Boring	SC	10.0	NA	NA
WD-10	Waste Delineation Boring	GP	10.0	5-10	ASH
WD-11	Waste Delineation Boring	SM	5.0	NA	NA
WD-12	Waste Delineation Boring	GP	5.0	3-5	ASH
WD-13	Waste Delineation Boring	FILL	7.0	NA	NA
WD-14	Waste Delineation Boring	FILL	5.0	NA	NA
WD-15	Waste Delineation Boring	CL	5.0	NA	NA
WD-16	Waste Delineation Boring	CL	5.0	4-5	ASH
WD-17	Waste Delineation Boring	SC	10.0	0-5	GLASS, ASH
WD-18	Waste Delineation Boring	SC	9.0	0-5	CERAMIC, GLASS, ASH
WD-19	Waste Delineation Boring	SC	10.0	0-5	ASH, BRICK
WD-20	Waste Delineation Boring	CL-ML	5.0	NA	NA
WD-21	Waste Delineation Boring	CL	10.0	4.5-5	ASH
WD-22	Waste Delineation Boring	FILL	10.0	5-10	ASH, GLASS
WD-23	Waste Delineation Boring	CL-ML	5.0	0.5-2	ASH, GLASS
WD-24	Waste Delineation Boring	FILL	5.0	0-5	GLASS, ASH, BRICK
WD-25	Waste Delineation Boring	FILL	5.0	0-5	GLASS, ASH, BRICK
WD-26	Waste Delineation Boring	CL-ML	5.0	1-3	LARGE CHUNKS GLASS, ASH
WD-27	Waste Delineation Boring	FILL	5.0	0-5	GLASS, ASH, BRICK
WD-28	Waste Delineation Boring	CL-ML	5.0	0-2	GLASS, ASH, BRICK
WD-29	Waste Delineation Boring	CL-ML	5.0	1-3	BRICK, ASH, GLASS
WD-30	Waste Delineation Boring	CL-ML	9.0	NA	NA
WD-31	Waste Delineation Boring	CL-ML	5.0	2-4	ASH, GLASS
WD-32	Waste Delineation Boring	CL-ML	5.0	NA	NA
WD-33	Waste Delineation Boring	CL-ML	5.0	NA	NA
WD-34	Waste Delineation Boring	CL-ML	5.0	NA	NA
WD-35	Waste Delineation Boring	CL-ML	5.0	NA	NA
WD-36	Waste Delineation Boring	CL-ML	5.0	2-4	ASH, GLASS
WD-37	Waste Delineation Boring	CL-ML	5.0	2-4	ASH, GLASS
WD-38	Waste Delineation Boring	CL-ML	5.0	2-4	ASH, GLASS
WD-39	Waste Delineation Boring	CL-ML	5.0	NA	NA
WD-40	Waste Delineation Boring	CL-ML	5.0	2-5	GLASS
WD-41	Waste Delineation Boring	CL-ML	5.0	1-2	GLASS, ASH
WD-42	Waste Delineation Boring	CL-ML	8.5	2-6.5	GLASS, ASH
WD-43	Waste Delineation Boring	CL-ML	5.0	NA	NA
WD-44	Waste Delineation Boring	CL-ML	9.5	3.5-6	ASH, GLASS
WD-45	Waste Delineation Boring	CL-ML	5.0	3-4	GLASS, ASH
WD-46	Waste Delineation Boring	CL-ML	5.0	NA	NA
WD-47	Waste Delineation Boring	SM	5.0	NA	NA
WD-48	Waste Delineation Boring	CL-ML	5.5	1-2, 5-5.5	ASH, GLASS, CERAMIC
WD-49	Waste Delineation Boring	CL-ML	10.0	0-2, 3-5.5	LARGE GLASS, CERAMIC, ASH
WD-50	Waste Delineation Boring	CL-ML	5.0	2-4	ASH, GLASS

Notes:
SM = SILTY SAND ML = SILT CL-ML = SILTY SAND
CL = LEAN CLAY SC = CLAYEY SAND GP = POORLY GRADED GRAVEL



Table 1
WDA Delineation
Walltown Park, NONCD0000824
Durham, Durham County, North Carolina
S&ME Project No.: 23050230, Task Order 824RI-5 & 821RI-9

Site Feature	Type	Location			
		USCS	Final Depth (FT)	Waste Depth (FT)	Waste Classification
WD-51	Waste Delineation Boring	CL-ML	5.0	1-3	GLASS
WD-52	Waste Delineation Boring	CL-ML	5.0	1-3	GLASS, ASH, BRICK
WD-53	Waste Delineation Boring	CL-ML	5.0	1-3	GLASS, ASH
WD-54	Waste Delineation Boring	CL-ML	10.0	0-6	ASH, GLASS, BRICK, CERAMIC
WD-55	Waste Delineation Boring	CL-ML	10.0	0-7	ASH, GLASS, BRICK, CERAMIC
WD-56	Waste Delineation Boring	CL	10.0	4-6	GLASS, BRICK
WD-57	Waste Delineation Boring	FILL	5.0	0-5	GLASS, ASH, BRICK, CERAMIC
WD-58	Waste Delineation Boring	CL	10.0	0-6	ASH, GLASS, BRICK, MELTED PIECES
WD-59	Waste Delineation Boring	FILL	5.0	0-5	ASH, GLASS, BRICK, MELTED PIECES
WD-60	Waste Delineation Boring	FILL	5.0	0-5	ASH, GLASS, BRICK, MELTED PIECES
WD-61	Waste Delineation Boring	CL	5.0	0-4	ASH, GLASS, BRICK, MELTED PIECES
WD-62	Waste Delineation Boring	CL	5.0	0-0.5	ASH, GLASS, BRICK, MELTED PIECES
WD-63	Waste Delineation Boring	CL	5.0	0-1.5	ASH, GLASS, BRICK
WD-64	Waste Delineation Boring	CL-ML	3.0	NA	NA
WD-65	Waste Delineation Boring	CL-ML	3.0	NA	SOME GLASS
WD-66	Waste Delineation Boring	CL-ML	3.0	NA	SOME GLASS
WD-67	Waste Delineation Boring	CL-ML	3.0	NA	NA
WD-68	Waste Delineation Boring	CL-ML	3.0	NA	NA

Notes:

SM - SILTY SAND
CL - LEAN CLAY

ML = SILT
SC = CLAYEY SAND

CL-ML = SILTY SAND

Appendices

Appendix I- Coordinates of Selected Features



APPENDIX I
Coordinates of Selected Features
Walltown Park, NONCD0000824
Durham, Durham County, North Carolina
S&ME Project No.: 23050230, Task Order 824RI-5 & 821RI-9

Page 1 of 2

Site Feature	Type	Location			
		Latitude	Longitude	Easting	Northing
TP-1	Trench	36.01881	-78.91466	687914.58500	3988046.23500
TP-2	Trench	36.01905	-78.91457	687922.83600	3988072.97900
TP-3	Trench	36.01923	-78.91454	687924.79500	3988092.79200
TP-4	Trench	36.01947	-78.91438	687938.80800	3988119.98100
TP-5	Trench	36.01857	-78.91473	687909.37100	3988019.41700
WD-01	Waste Delineation Boring	36.01811	-78.91415	687962.71800	3987970.00800
WD-02	Waste Delineation Boring	36.01847	-78.91408	687967.70700	3988009.19800
WD-03	Waste Delineation Boring	36.01912	-78.91378	687993.16800	3988082.58200
WD-04	Waste Delineation Boring	36.01918	-78.91370	688000.31600	3988089.28400
WD-05	Waste Delineation Boring	36.01904	-78.91354	688015.82600	3988073.81200
WD-06	Waste Delineation Boring	36.01878	-78.91360	688010.18300	3988045.32600
WD-07	Waste Delineation Boring	36.01880	-78.91400	687974.74100	3988046.50100
WD-08	Waste Delineation Boring	36.01877	-78.91386	687987.24400	3988043.73900
WD-09	Waste Delineation Boring	36.01874	-78.91375	687997.35000	3988040.09800
WD-10	Waste Delineation Boring	36.01846	-78.91389	687984.86600	3988008.37700
WD-11	Waste Delineation Boring	36.01831	-78.91370	688002.83600	3987992.71300
WD-12	Waste Delineation Boring	36.01837	-78.91380	687993.71100	3987999.40700
WD-13	Waste Delineation Boring	36.01855	-78.91366	688005.55000	3988018.75100
WD-14	Waste Delineation Boring	36.01861	-78.91377	687995.78500	3988025.77600
WD-15	Waste Delineation Boring	36.01806	-78.91377	687997.04400	3987964.22200
WD-16	Waste Delineation Boring	36.01783	-78.91421	687958.01700	3987938.13900
WD-17	Waste Delineation Boring	36.01781	-78.91435	687945.33500	3987935.94500
WD-18	Waste Delineation Boring	36.01758	-78.91433	687947.90400	3987910.06800
WD-19	Waste Delineation Boring	36.01743	-78.91446	687936.58200	3987893.72700
WD-20	Waste Delineation Boring	36.01727	-78.91408	687970.93300	3987876.00400
WD-21	Waste Delineation Boring	36.01719	-78.91436	687946.25700	3987867.18200
WD-22	Waste Delineation Boring	36.01710	-78.91441	687941.64600	3987856.61200
WD-23	Waste Delineation Boring	36.01904	-78.91392	687981.44000	3988073.60700
WD-24	Waste Delineation Boring	36.01925	-78.91394	687978.98000	3988096.26100
WD-25	Waste Delineation Boring	36.01718	-78.91455	687928.93100	3987865.96100
WD-26	Waste Delineation Boring	36.01752	-78.91474	687910.93500	3987902.52100
WD-27	Waste Delineation Boring	36.01783	-78.91468	687915.51000	3987937.96900
WD-28	Waste Delineation Boring	36.01807	-78.91473	687910.20400	3987964.43200
WD-29	Waste Delineation Boring	36.01844	-78.91473	687909.57200	3988004.68000
WD-30	Waste Delineation Boring	36.01879	-78.91471	687910.63500	3988044.16800
WD-31	Waste Delineation Boring	36.01878	-78.91461	687919.84700	3988043.28200
WD-32	Waste Delineation Boring	36.01879	-78.91464	687916.43400	3988044.08500
WD-33	Waste Delineation Boring	36.01908	-78.91466	687914.19400	3988076.16800
WD-34	Waste Delineation Boring	36.01907	-78.91461	687918.95000	3988075.66500
WD-35	Waste Delineation Boring	36.01906	-78.91456	687923.24300	3988074.55600
WD-36	Waste Delineation Boring	36.01902	-78.91436	687941.16600	3988069.90200
WD-37	Waste Delineation Boring	36.01904	-78.91445	687933.03300	3988072.42700
WD-38	Waste Delineation Boring	36.01906	-78.91451	687927.60200	3988073.98600
WD-39	Waste Delineation Boring	36.01930	-78.91446	687931.65100	3988101.43500
WD-40	Waste Delineation Boring	36.01928	-78.91439	687938.39900	3988099.19600
WD-41	Waste Delineation Boring	36.01929	-78.91443	687934.95300	3988099.70900
WD-42	Waste Delineation Boring	36.01940	-78.91435	687941.69000	3988112.23800
WD-43	Waste Delineation Boring	36.01941	-78.91440	687937.35200	3988113.40400
WD-44	Waste Delineation Boring	36.01957	-78.91418	687956.02500	3988131.25600
WD-45	Waste Delineation Boring	36.01962	-78.91426	687948.96900	3988136.52900
WD-46	Waste Delineation Boring	36.01967	-78.91434	687941.53300	3988142.64100
WD-47	Waste Delineation Boring	36.01974	-78.91449	687927.90600	3988149.44000
WD-48	Waste Delineation Boring	36.01943	-78.91406	687967.19800	3988116.03600
WD-49	Waste Delineation Boring	36.01921	-78.91415	687960.10600	3988091.04700
WD-50	Waste Delineation Boring	36.01900	-78.91422	687954.47300	3988067.90400

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
Walltown Park, NONCD0000824
Durham, Durham County, North Carolina
S&ME Project No.: 23050230, Task Order 824RI-5 & 821RI-9

Page 2 of 2

Site Feature	Type	Location			
		Latitude	Longitude	Easting	Northing
WD-51	Waste Delineation Boring	36.01887	-78.91444	687934.35400	3988052.81800
WD-52	Waste Delineation Boring	36.01862	-78.91434	687944.52100	3988026.14900
WD-53	Waste Delineation Boring	36.01842	-78.91460	687921.07000	3988003.16700
WD-54	Waste Delineation Boring	36.01803	-78.91452	687929.22100	3987959.57500
WD-55	Waste Delineation Boring	36.01770	-78.91460	687922.68000	3987922.89600
WD-56	Waste Delineation Boring	36.01837	-78.91482	687901.32100	3987997.14900
WD-57	Waste Delineation Boring	36.01821	-78.91482	687901.84300	3987978.92200
WD-58	Waste Delineation Boring	36.01805	-78.91479	687905.03700	3987961.22600
WD-59	Waste Delineation Boring	36.01789	-78.91480	687904.19000	3987943.66200
WD-60	Waste Delineation Boring	36.01772	-78.91481	687903.98000	3987925.00800
WD-61	Waste Delineation Boring	36.01752	-78.91487	687898.92400	3987902.41200
WD-62	Waste Delineation Boring	36.01742	-78.91491	687895.72700	3987891.10600
WD-63	Waste Delineation Boring	36.01740	-78.91486	687900.01500	3987889.00700
WD-64	Waste Delineation Boring	36.01691	-78.91454	687929.99200	3987835.86600
WD-65	Waste Delineation Boring	36.01691	-78.91444	687939.49500	3987835.55200
WD-66	Waste Delineation Boring	36.01691	-78.91407	687972.54500	3987836.21800
WD-67	Waste Delineation Boring	36.01692	-78.91469	687916.75200	3987836.48300
WD-68	Waste Delineation Boring	36.01692	-78.91483	687904.37500	3987836.66300

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: Durham Parks Waste Delineation			BORING LOG: WD-01								
Walltown Park											
S&ME Project No. 23050630											
DATE DRILLED:		Tuesday, November 12, 2024		BORING DEPTH (FT):		10					
DRILL RIG:		Geoprobe 7822 DT		WATER LEVEL:							
DRILLER:		Quantex		CAVE-IN DEPTH:							
HAMMER TYPE:		Not Applicable		LOGGED BY:		Emily Hermann					
SAMPLING METHOD:		Not Applicable		NORTHING:							
DRILLING METHOD:		DPT		EASTING:							
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION		WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Topsoil, Brown, Dry,									
		Fill, Incinerator waste (ash, glass),									
5		Clay, Brown, Moist,									
10		Boring Terminated at 10 Ft-BGS									
15											
20											
25											
30											

PROJECT:		Durham Parks Waste Delineation			BORING LOG: WD-02							
		Walltown Park										
		S&ME Project No. 23050630										
DATE DRILLED:		Tuesday, November 12, 2024			BORING DEPTH (FT):		10					
DRILL RIG:		Geoprobe 7822 DT			WATER LEVEL:							
DRILLER:		Quantex			CAVE-IN DEPTH:							
HAMMER TYPE:		Not Applicable			LOGGED BY:		Emily Hermann					
SAMPLING METHOD:		Not Applicable			NORTHING:							
DRILLING METHOD:		DPT			EASTING:							
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Fill, Incinerator waste (glass, ash, brick), Brown, Dry,										
5		No recovery,										
10		Boring Terminated at 10 Ft-BGS										
15												
20												
25												
30												

[illegible]

[illegible]

PROJECT: Durham Parks Waste Delineation					Walltown Park S&ME Project No. 23050630					BORING LOG: WD-05				
DATE DRILLED:		Tuesday, November 12, 2024					BORING DEPTH (FT):		10					
DRILL RIG:		Geoprobe 7822 DT					WATER LEVEL:							
DRILLER:		Quantex					CAVE-IN DEPTH:							
HAMMER TYPE:		Not Applicable					LOGGED BY:		Emily Hermann					
SAMPLING METHOD:		Not Applicable					NORTHING:							
DRILLING METHOD:		DPT					EASTING:							
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION					WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Silty Sand, Brown, Dry,												
		Clay, Red, Orange, Dry,												
5		Silty Clay, Dark Red, Dry,												
		Boring Terminated at 10 Ft-BGS												
10														
15														
20														
25														
30														

PROJECT:			Durham Parks Waste Delineation			BORING LOG: WD-06						
			Walltown Park									
			S&ME Project No. 23050630									
DATE DRILLED:		Tuesday, November 12, 2024			BORING DEPTH (FT):		5					
DRILL RIG:		Geoprobe 7822 DT			WATER LEVEL:							
DRILLER:		Quantex			CAVE-IN DEPTH:							
HAMMER TYPE:		Not Applicable			LOGGED BY:		Emily Hermann					
SAMPLING METHOD:		Not Applicable			NORTHING:							
DRILLING METHOD:		DPT			EASTING:							
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Clay, Red, Brown, Dry,										
5		Boring Terminated at 5 Ft-BGS										
10												
15												
20												
25												
30												

PROJECT: Durham Parks Waste Delineation			Walltown Park S&ME Project No. 23050630			BORING LOG: WD-07							
DATE DRILLED:		Tuesday, November 12, 2024			BORING DEPTH (FT):		10						
DRILL RIG:		Geoprobe 7822 DT			WATER LEVEL:								
DRILLER:		Quantex			CAVE-IN DEPTH:								
HAMMER TYPE:		Not Applicable			LOGGED BY:		Emily Hermann						
SAMPLING METHOD:		Not Applicable			NORTHING:								
DRILLING METHOD:		DPT			EASTING:								
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION				WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Silty Sand, Brown, Trace Possible waste,											
5		Fill, Incinerator waste - little recovery,											
10		Boring Terminated at 10 Ft-BGS											
15													
20													
25													
30													

PROJECT:		Durham Parks Waste Delineation			BORING LOG: WD-08							
		Walltown Park										
		S&ME Project No. 23050630										
DATE DRILLED:		Tuesday, November 12, 2024			BORING DEPTH (FT):		10					
DRILL RIG:		Geoprobe 7822 DT			WATER LEVEL:							
DRILLER:		Quantex			CAVE-IN DEPTH:							
HAMMER TYPE:		Not Applicable			LOGGED BY:		Emily Hermann					
SAMPLING METHOD:		Not Applicable			NORTHING:							
DRILLING METHOD:		DPT			EASTING:							
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Fill, Incinerator waste (glass, ash, brick),										
5		Clay, Brown, Moist,										
10		Boring Terminated at 10 Ft-BGS										
15												
20												
25												
30												

[illegible]

[illegible]

PROJECT:			Durham Parks Waste Delineation			BORING LOG: WD-11						
			Walltown Park									
			S&ME Project No. 23050630									
DATE DRILLED:		Tuesday, November 12, 2024			BORING DEPTH (FT):		5					
DRILL RIG:		Geoprobe 7822 DT			WATER LEVEL:							
DRILLER:		Quantex			CAVE-IN DEPTH:							
HAMMER TYPE:		Not Applicable			LOGGED BY:		Emily Hermann					
SAMPLING METHOD:		Not Applicable			NORTHING:							
DRILLING METHOD:		DPT			EASTING:							
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Sandy Silt, Brown, Dry,										
5		Boring Terminated at 5 Ft-BGS										
10												
15												
20												
25												
30												

[illegible]

PROJECT: Durham Parks Waste Delineation			BORING LOG: WD-13								
Walltown Park											
S&ME Project No. 23050630											
DATE DRILLED:		Tuesday, November 12, 2024		BORING DEPTH (FT):		7					
DRILL RIG:		Geoprobe 7822 DT		WATER LEVEL:							
DRILLER:		Quantex		CAVE-IN DEPTH:							
HAMMER TYPE:		Not Applicable		LOGGED BY:		Emily Hermann					
SAMPLING METHOD:		Not Applicable		NORTHING:							
DRILLING METHOD:		DPT		EASTING:							
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION		WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Asphalt, Silty Sand,									
5		Possible plastic liner, Black,									
		Sandy Silt, Gray, Moist,									
		Boring Terminated at 7 Ft-BGS									
10											
15											
20											
25											
30											

PROJECT:			Durham Parks Waste Delineation			BORING LOG: WD-14						
			Walltown Park									
			S&ME Project No. 23050630									
DATE DRILLED:		Tuesday, November 12, 2024			BORING DEPTH (FT):		5					
DRILL RIG:		Geoprobe 7822 DT			WATER LEVEL:							
DRILLER:		Quantex			CAVE-IN DEPTH:							
HAMMER TYPE:		Not Applicable			LOGGED BY:		Emily Hermann					
SAMPLING METHOD:		Not Applicable			NORTHING:							
DRILLING METHOD:		DPT			EASTING:							
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Asphalt, Some Gravel, Dry,										
5		Boring Terminated at 5 Ft-BGS										
10												
15												
20												
25												
30												

PROJECT:			Durham Parks Waste Delineation			BORING LOG: WD-15						
			Walltown Park									
			S&ME Project No. 23050630									
DATE DRILLED:		Tuesday, November 12, 2024			BORING DEPTH (FT):		5					
DRILL RIG:		Geoprobe 7822 DT			WATER LEVEL:							
DRILLER:		Quantex			CAVE-IN DEPTH:							
HAMMER TYPE:		Not Applicable			LOGGED BY:		Emily Hermann					
SAMPLING METHOD:		Not Applicable			NORTHING:							
DRILLING METHOD:		DPT			EASTING:							
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Gravel, Gray,										
		Clay, Red, Dry,										
5		Boring Terminated at 5 Ft-BGS										
10												
15												
20												
25												
30												

PROJECT: Durham Parks Waste Delineation			BORING LOG: WD-16									
Walltown Park												
S&ME Project No. 23050630												
DATE DRILLED:		Tuesday, November 12, 2024			BORING DEPTH (FT):			5				
DRILL RIG:		Geoprobe 7822 DT			WATER LEVEL:							
DRILLER:		Quantex			CAVE-IN DEPTH:							
HAMMER TYPE:		Not Applicable			LOGGED BY:			Emily Hermann				
SAMPLING METHOD:		Not Applicable			NORTHING:							
DRILLING METHOD:		DPT			EASTING:							
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Clay, Brown, Moist,										
5		Fill, Incinerator waste (ash),										
		Boring Terminated at 5 Ft-BGS										
10												
15												
20												
25												
30												

PROJECT: Durham Parks Waste Delineation			Walltown Park S&ME Project No. 23050630			BORING LOG: WD-17							
DATE DRILLED:		Tuesday, November 12, 2024			BORING DEPTH (FT):		10						
DRILL RIG:		Geoprobe 7822 DT			WATER LEVEL:								
DRILLER:		Quantex			CAVE-IN DEPTH:								
HAMMER TYPE:		Not Applicable			LOGGED BY:		Emily Hermann						
SAMPLING METHOD:		Not Applicable			NORTHING:								
DRILLING METHOD:		DPT			EASTING:								
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION				WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Fill, Incinerator waste (glass, ash),											
5		Sandy Clay, Tan, Moist,											
10		Boring Terminated at 10 Ft-BGS											
15													
20													
25													
30													

PROJECT: Durham Parks Waste Delineation Walltown Park S&ME Project No. 23050630			BORING LOG: WD-18									
DATE DRILLED:		Tuesday, November 12, 2024		BORING DEPTH (FT):		9						
DRILL RIG:		Geoprobe 7822 DT		WATER LEVEL:								
DRILLER:		Quantex		CAVE-IN DEPTH:								
HAMMER TYPE:		Not Applicable		LOGGED BY:		Emily Hermann						
SAMPLING METHOD:		Not Applicable		NORTHING:								
DRILLING METHOD:		DPT		EASTING:								
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Fill, Incinerator waste (ceramic, glass, ash),										
5		Sandy Clay, Brown,										
10		Boring Terminated at 9 Ft-BGS										
15												
20												
25												
30												

PROJECT:			Durham Parks Waste Delineation			BORING LOG: WD-19						
			Walltown Park									
			S&ME Project No. 23050630									
DATE DRILLED:		Tuesday, November 12, 2024			BORING DEPTH (FT):		10					
DRILL RIG:		Geoprobe 7822 DT			WATER LEVEL:							
DRILLER:		Quantex			CAVE-IN DEPTH:							
HAMMER TYPE:		Not Applicable			LOGGED BY:		Emily Hermann					
SAMPLING METHOD:		Not Applicable			NORTHING:							
DRILLING METHOD:		DPT			EASTING:							
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Fill, Incinerator waste (ash, brick),										
5		Sandy Clay, Tan, Moist,										
10		Boring Terminated at 10 Ft-BGS										
15												
20												
25												
30												

PROJECT:			Durham Parks Waste Delineation			BORING LOG: WD-20						
			Walltown Park									
			S&ME Project No. 23050630									
DATE DRILLED:		Tuesday, November 12, 2024			BORING DEPTH (FT):		5					
DRILL RIG:		Geoprobe 7822 DT			WATER LEVEL:							
DRILLER:		Quantex			CAVE-IN DEPTH:							
HAMMER TYPE:		Not Applicable			LOGGED BY:		Emily Hermann					
SAMPLING METHOD:		Not Applicable			NORTHING:							
DRILLING METHOD:		DPT			EASTING:							
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Silty Sand, Tan, Dry,										
5		Boring Terminated at 5 Ft-BGS										
10												
15												
20												
25												
30												

PROJECT: Durham Parks Waste Delineation			Walltown Park S&ME Project No. 23050630			BORING LOG: WD-21							
DATE DRILLED:		Tuesday, November 12, 2024			BORING DEPTH (FT):		10						
DRILL RIG:		Geoprobe 7822 DT			WATER LEVEL:								
DRILLER:		Quantex			CAVE-IN DEPTH:								
HAMMER TYPE:		Not Applicable			LOGGED BY:		Emily Hermann						
SAMPLING METHOD:		Not Applicable			NORTHING:								
DRILLING METHOD:		DPT			EASTING:								
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION				WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Concrete, Gravel, White, Gray,											
5		Fill, Incinerator waste, Clay, Brown, Moist,											
10		Boring Terminated at 10 Ft-BGS											
15													
20													
25													
30													

PROJECT:			Durham Parks Waste Delineation			BORING LOG: WD-22							
			Walltown Park										
			S&ME Project No. 23050630										
DATE DRILLED:		Tuesday, November 12, 2024			BORING DEPTH (FT):		10						
DRILL RIG:		Geoprobe 7822 DT			WATER LEVEL:								
DRILLER:		Quantex			CAVE-IN DEPTH:								
HAMMER TYPE:		Not Applicable			LOGGED BY:		Emily Hermann						
SAMPLING METHOD:		Not Applicable			NORTHING:								
DRILLING METHOD:		DPT			EASTING:								
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION				WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		No recovery,											
5		Fill, Little recovery - Incinerator waste (ash, glass),											
10		Boring Terminated at 10 Ft-BGS											

PROJECT: Durham Parks Waste Delineation			BORING LOG: WD-23									
Walltown Park												
S&ME Project No. 23050630												
DATE DRILLED:		Wednesday, November 13, 2024			BORING DEPTH (FT):			5				
DRILL RIG:		Geoprobe 7822 DT			WATER LEVEL:							
DRILLER:		Quantex			CAVE-IN DEPTH:							
HAMMER TYPE:		Not Applicable			LOGGED BY:			Connor Hicks				
SAMPLING METHOD:		Not Applicable			NORTHING:							
DRILLING METHOD:		DPT			EASTING:							
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Topsoil, Brown, Dry,										
		Fill, Incinerator waste (ash, glass),										
		Silty Sand, Brown, Dry,										
5		Boring Terminated at 5 Ft-BGS										
10												
15												
20												
25												
30												

PROJECT: Durham Parks Waste Delineation Walltown Park S&ME Project No. 23050630			BORING LOG: WD-24									
DATE DRILLED:		Wednesday, November 13, 2024		BORING DEPTH (FT):		5						
DRILL RIG:		Geoprobe 7822 DT		WATER LEVEL:								
DRILLER:		Quantex		CAVE-IN DEPTH:								
HAMMER TYPE:		Not Applicable		LOGGED BY:		Connor Hicks						
SAMPLING METHOD:		Not Applicable		NORTHING:								
DRILLING METHOD:		DPT		EASTING:								
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Fill, Incinerator waste (glass, ash, brick),										
5		Boring Terminated at 5 Ft-BGS										
10												
15												
20												
25												
30												

PROJECT:			Durham Parks Waste Delineation			BORING LOG: WD-25						
			Walltown Park									
			S&ME Project No. 23050630									
DATE DRILLED:		Wednesday, November 13, 2024			BORING DEPTH (FT):		5					
DRILL RIG:		Geoprobe 7822 DT			WATER LEVEL:							
DRILLER:		Quantex			CAVE-IN DEPTH:							
HAMMER TYPE:		Not Applicable			LOGGED BY:		Connor Hicks					
SAMPLING METHOD:		Not Applicable			NORTHING:							
DRILLING METHOD:		DPT			EASTING:							
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Fill, Incinerator waste (glass, ash, brick),										
5		Boring Terminated at 5 Ft-BGS										
10												
15												
20												
25												
30												

PROJECT: Durham Parks Waste Delineation			BORING LOG: WD-26								
Walltown Park											
S&ME Project No. 23050630											
DATE DRILLED:		Wednesday, November 13, 2024		BORING DEPTH (FT):		5					
DRILL RIG:		Geoprobe 7822 DT		WATER LEVEL:							
DRILLER:		Quantex		CAVE-IN DEPTH:							
HAMMER TYPE:		Not Applicable		LOGGED BY:		Connor Hicks					
SAMPLING METHOD:		Not Applicable		NORTHING:							
DRILLING METHOD:		DPT		EASTING:							
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION		WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Topsoil, Brown, Dry,									
		Fill, Incinerator waste (large chunks glass, ash),									
		Silty Sand, Brown, Dry,									
5		Boring Terminated at 5 Ft-BGS									
10											
15											
20											
25											
30											

PROJECT:			Durham Parks Waste Delineation			BORING LOG: WD-27						
			Walltown Park									
			S&ME Project No. 23050630									
DATE DRILLED:		Wednesday, November 13, 2024			BORING DEPTH (FT):		5					
DRILL RIG:		Geoprobe 7822 DT			WATER LEVEL:							
DRILLER:		Quantex			CAVE-IN DEPTH:							
HAMMER TYPE:		Not Applicable			LOGGED BY:		Connor Hicks					
SAMPLING METHOD:		Not Applicable			NORTHING:							
DRILLING METHOD:		DPT			EASTING:							
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Fill, Incinerator waste (glass, ash, brick),										
5		Boring Terminated at 5 Ft-BGS										
10												
15												
20												
25												
30												

PROJECT: Durham Parks Waste Delineation			BORING LOG: WD-28									
Walltown Park												
S&ME Project No. 23050630												
DATE DRILLED:		Wednesday, November 13, 2024			BORING DEPTH (FT):			5				
DRILL RIG:		Geoprobe 7822 DT			WATER LEVEL:							
DRILLER:		Quantex			CAVE-IN DEPTH:							
HAMMER TYPE:		Not Applicable			LOGGED BY:			Connor Hicks				
SAMPLING METHOD:		Not Applicable			NORTHING:							
DRILLING METHOD:		DPT			EASTING:							
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Fill, Incinerator waste (glass, ash, brick),										
		Silty Sand, Brown, Dry,										
5		Boring Terminated at 5 Ft-BGS										
10												
15												
20												
25												
30												

PROJECT: Durham Parks Waste Delineation			BORING LOG: WD-29									
Walltown Park												
S&ME Project No. 23050630												
DATE DRILLED:		Wednesday, November 13, 2024			BORING DEPTH (FT):			5				
DRILL RIG:		Geoprobe 7822 DT			WATER LEVEL:							
DRILLER:		Quantex			CAVE-IN DEPTH:							
HAMMER TYPE:		Not Applicable			LOGGED BY:			Connor Hicks				
SAMPLING METHOD:		Not Applicable			NORTHING:							
DRILLING METHOD:		DPT			EASTING:							
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Topsoil, Brown,										
		Fill, Incinerator waste (brick, ash, glass),										
		Silty Sand, Tan,										
5		Boring Terminated at 5 Ft-BGS										
10												
15												
20												
25												
30												

PROJECT:			Durham Parks Waste Delineation										
			Walltown Park S&ME Project No. 23050630			BORING LOG: WD-30							
DATE DRILLED:		Wednesday, November 13, 2024			BORING DEPTH (FT):		9						
DRILL RIG:		Geoprobe 7822 DT			WATER LEVEL:								
DRILLER:		Quantex			CAVE-IN DEPTH:								
HAMMER TYPE:		Not Applicable			LOGGED BY:		Connor Hicks						
SAMPLING METHOD:		Not Applicable			NORTHING:								
DRILLING METHOD:		DPT			EASTING:								
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION				WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Silty Sand, Brown,											
5		Silty Sand, Gray,											
		Clay, Red, Dry,											
10		Boring Terminated at 9 Ft-BGS											
15													
20													
25													
30													

PROJECT: Durham Parks Waste Delineation			BORING LOG: WD-31									
Walltown Park												
S&ME Project No. 23050630												
DATE DRILLED:		Wednesday, November 13, 2024		BORING DEPTH (FT):		5						
DRILL RIG:		Geoprobe 7822 DT		WATER LEVEL:								
DRILLER:		Quantex		CAVE-IN DEPTH:								
HAMMER TYPE:		Not Applicable		LOGGED BY:		Connor Hicks						
SAMPLING METHOD:		Not Applicable		NORTHING:								
DRILLING METHOD:		DPT		EASTING:								
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Silty Sand, Brown,										
		Fill, Incinerator waste (ash, glass),										
		Silty Sand, Tan, Dry,										
5		Boring Terminated at 5 Ft-BGS										
10												
15												
20												
25												
30												

PROJECT:			Durham Parks Waste Delineation			BORING LOG: WD-32							
			Walltown Park										
			S&ME Project No. 23050630										
DATE DRILLED:		Wednesday, November 13, 2024			BORING DEPTH (FT):		5						
DRILL RIG:		Geoprobe 7822 DT			WATER LEVEL:								
DRILLER:		Quantex			CAVE-IN DEPTH:								
HAMMER TYPE:		Not Applicable			LOGGED BY:		Connor Hicks						
SAMPLING METHOD:		Not Applicable			NORTHING:								
DRILLING METHOD:		DPT			EASTING:								
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION				WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Silty Sand, Tan,											
5		Boring Terminated at 5 Ft-BGS											
10													
15													
20													
25													
30													

PROJECT:			Durham Parks Waste Delineation			BORING LOG: WD-33							
			Walltown Park										
			S&ME Project No. 23050630										
DATE DRILLED:		Wednesday, November 13, 2024			BORING DEPTH (FT):		5						
DRILL RIG:		Geoprobe 7822 DT			WATER LEVEL:								
DRILLER:		Quantex			CAVE-IN DEPTH:								
HAMMER TYPE:		Not Applicable			LOGGED BY:		Connor Hicks						
SAMPLING METHOD:		Not Applicable			NORTHING:								
DRILLING METHOD:		DPT			EASTING:								
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION				WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Silty Sand, Tan,											
5		Boring Terminated at 5 Ft-BGS											
10													
15													
20													
25													
30													

PROJECT:			Durham Parks Waste Delineation			BORING LOG: WD-34							
			Walltown Park										
			S&ME Project No. 23050630										
DATE DRILLED:		Wednesday, November 13, 2024			BORING DEPTH (FT):		5						
DRILL RIG:		Geoprobe 7822 DT			WATER LEVEL:								
DRILLER:		Quantex			CAVE-IN DEPTH:								
HAMMER TYPE:		Not Applicable			LOGGED BY:		Connor Hicks						
SAMPLING METHOD:		Not Applicable			NORTHING:								
DRILLING METHOD:		DPT			EASTING:								
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION				WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Silty Sand, Tan,											
5		Boring Terminated at 5 Ft-BGS											
10													
15													
20													
25													
30													

PROJECT:			Durham Parks Waste Delineation			BORING LOG: WD-35							
			Walltown Park										
			S&ME Project No. 23050630										
DATE DRILLED:		Wednesday, November 13, 2024			BORING DEPTH (FT):		10						
DRILL RIG:		Geoprobe 7822 DT			WATER LEVEL:								
DRILLER:		Quantex			CAVE-IN DEPTH:								
HAMMER TYPE:		Not Applicable			LOGGED BY:		Connor Hicks						
SAMPLING METHOD:		Not Applicable			NORTHING:								
DRILLING METHOD:		DPT			EASTING:								
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION				WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Silty Sand, Tan,											
5		Silty Sand, Gray,											
10		Boring Terminated at 10 Ft-BGS											

PROJECT: Durham Parks Waste Delineation			BORING LOG: WD-36									
Walltown Park												
S&ME Project No. 23050630												
DATE DRILLED:		Wednesday, November 13, 2024			BORING DEPTH (FT):			5				
DRILL RIG:		Geoprobe 7822 DT			WATER LEVEL:							
DRILLER:		Quantex			CAVE-IN DEPTH:							
HAMMER TYPE:		Not Applicable			LOGGED BY:			Connor Hicks				
SAMPLING METHOD:		Not Applicable			NORTHING:							
DRILLING METHOD:		DPT			EASTING:							
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Silty Sand, Brown,										
		Fill, Incinerator waste (ash, glass),										
		Silty Sand, Tan,										
5		Boring Terminated at 5 Ft-BGS										
10												
15												
20												
25												
30												

PROJECT: Durham Parks Waste Delineation			BORING LOG: WD-37								
Walltown Park											
S&ME Project No. 23050630											
DATE DRILLED:		Wednesday, November 13, 2024		BORING DEPTH (FT):		5					
DRILL RIG:		Geoprobe 7822 DT		WATER LEVEL:							
DRILLER:		Quantex		CAVE-IN DEPTH:							
HAMMER TYPE:		Not Applicable		LOGGED BY:		Connor Hicks					
SAMPLING METHOD:		Not Applicable		NORTHING:							
DRILLING METHOD:		DPT		EASTING:							
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION		WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Silty Sand, Brown,									
		Fill, Incinerator waste (ash, glass),									
		Silty Sand, Tan,									
5		Boring Terminated at 5 Ft-BGS									
10											
15											
20											
25											
30											

PROJECT: Durham Parks Waste Delineation			BORING LOG: WD-38								
Walltown Park											
S&ME Project No. 23050630											
DATE DRILLED:		Wednesday, November 13, 2024		BORING DEPTH (FT):		5					
DRILL RIG:		Geoprobe 7822 DT		WATER LEVEL:							
DRILLER:		Quantex		CAVE-IN DEPTH:							
HAMMER TYPE:		Not Applicable		LOGGED BY:		Connor Hicks					
SAMPLING METHOD:		Not Applicable		NORTHING:							
DRILLING METHOD:		DPT		EASTING:							
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION		WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Silty Sand, Brown,									
		Fill, Incinerator waste (ash, glass),									
		Silty Sand, Tan,									
5		Boring Terminated at 5 Ft-BGS									
10											
15											
20											
25											
30											

PROJECT:			Durham Parks Waste Delineation			BORING LOG: WD-39							
			Walltown Park										
			S&ME Project No. 23050630										
DATE DRILLED:		Wednesday, November 13, 2024			BORING DEPTH (FT):		5						
DRILL RIG:		Geoprobe 7822 DT			WATER LEVEL:								
DRILLER:		Quantex			CAVE-IN DEPTH:								
HAMMER TYPE:		Not Applicable			LOGGED BY:		Connor Hicks						
SAMPLING METHOD:		Not Applicable			NORTHING:								
DRILLING METHOD:		DPT			EASTING:								
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION				WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Silty Sand, Tan,											
5		Boring Terminated at 5 Ft-BGS											
10													
15													
20													
25													
30													

PROJECT: Durham Parks Waste Delineation			BORING LOG: WD-40								
Walltown Park											
S&ME Project No. 23050630											
DATE DRILLED:		Wednesday, November 13, 2024		BORING DEPTH (FT):		5					
DRILL RIG:		Geoprobe 7822 DT		WATER LEVEL:							
DRILLER:		Quantex		CAVE-IN DEPTH:							
HAMMER TYPE:		Not Applicable		LOGGED BY:		Connor Hicks					
SAMPLING METHOD:		Not Applicable		NORTHING:							
DRILLING METHOD:		DPT		EASTING:							
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION		WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Silty Sand, Brown,									
		Fill, Incinerator waste (glass),									
5		Boring Terminated at 5 Ft-BGS									
10											
15											
20											
25											
30											

PROJECT: Durham Parks Waste Delineation Walltown Park S&ME Project No. 23050630			BORING LOG: WD-41									
DATE DRILLED:		Wednesday, November 13, 2024		BORING DEPTH (FT):		5						
DRILL RIG:		Geoprobe 7822 DT		WATER LEVEL:								
DRILLER:		Quantex		CAVE-IN DEPTH:								
HAMMER TYPE:		Not Applicable		LOGGED BY:		Connor Hicks						
SAMPLING METHOD:		Not Applicable		NORTHING:								
DRILLING METHOD:		DPT		EASTING:								
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Silty Sand, Brown,										
		Fill, Incinerator waste (glass, ash),										
		Silty Sand, Tan,										
5		Boring Terminated at 5 Ft-BGS										
10												
15												
20												
25												
30												

PROJECT:			Durham Parks Waste Delineation			BORING LOG: WD-42							
			Walltown Park										
			S&ME Project No. 23050630										
DATE DRILLED:		Wednesday, November 13, 2024			BORING DEPTH (FT):		8.5						
DRILL RIG:		Geoprobe 7822 DT			WATER LEVEL:								
DRILLER:		Quantex			CAVE-IN DEPTH:								
HAMMER TYPE:		Not Applicable			LOGGED BY:		Connor Hicks						
SAMPLING METHOD:		Not Applicable			NORTHING:								
DRILLING METHOD:		DPT			EASTING:								
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION				WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Silty Sand, Brown,											
		Fill, Incinerator waste (glass, ash),											
5		Fill, Incinerator waste (glass, ash),											
		Silty Sand, Gray, Wet,											
		Boring Terminated at 8.5 Ft-BGS											
10													
15													
20													
25													
30													

PROJECT:			Durham Parks Waste Delineation			BORING LOG: WD-43							
			Walltown Park										
			S&ME Project No. 23050630										
DATE DRILLED:		Wednesday, November 13, 2024			BORING DEPTH (FT):		5						
DRILL RIG:		Geoprobe 7822 DT			WATER LEVEL:								
DRILLER:		Quantex			CAVE-IN DEPTH:								
HAMMER TYPE:		Not Applicable			LOGGED BY:		Connor Hicks						
SAMPLING METHOD:		Not Applicable			NORTHING:								
DRILLING METHOD:		DPT			EASTING:								
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION				WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Silty Sand, Tan,											
5		Boring Terminated at 5 Ft-BGS											
10													
15													
20													
25													
30													

PROJECT: Durham Parks Waste Delineation			BORING LOG: WD-44									
Walltown Park												
S&ME Project No. 23050630												
DATE DRILLED:		Wednesday, November 13, 2024			BORING DEPTH (FT):			9.5				
DRILL RIG:		Geoprobe 7822 DT			WATER LEVEL:							
DRILLER:		Quantex			CAVE-IN DEPTH:							
HAMMER TYPE:		Not Applicable			LOGGED BY:			Connor Hicks				
SAMPLING METHOD:		Not Applicable			NORTHING:							
DRILLING METHOD:		DPT			EASTING:							
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Silty Sand, Brown,										
5		Fill, Incinerator waste (glass, ash),										
		Fill, Incinerator waste (ash, glass),										
		Silty Sand, Tan, Gray, Moist,										
10		Boring Terminated at 9.5 Ft-BGS										
15												
20												
25												
30												

PROJECT: Durham Parks Waste Delineation Walltown Park S&ME Project No. 23050630			BORING LOG: WD-45									
DATE DRILLED:		Wednesday, November 13, 2024		BORING DEPTH (FT):		5						
DRILL RIG:		Geoprobe 7822 DT		WATER LEVEL:								
DRILLER:		Quantex		CAVE-IN DEPTH:								
HAMMER TYPE:		Not Applicable		LOGGED BY:		Connor Hicks						
SAMPLING METHOD:		Not Applicable		NORTHING:								
DRILLING METHOD:		DPT		EASTING:								
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Silty Sand, Brown,										
		Fill, Incinerator waste (glass, ash),										
		Silty Sand, Tan,										
5		Boring Terminated at 5 Ft-BGS										
10												
15												
20												
25												
30												

PROJECT:			Durham Parks Waste Delineation			BORING LOG: WD-46							
			Walltown Park										
			S&ME Project No. 23050630										
DATE DRILLED:		Wednesday, November 13, 2024			BORING DEPTH (FT):		5						
DRILL RIG:		Geoprobe 7822 DT			WATER LEVEL:								
DRILLER:		Quantex			CAVE-IN DEPTH:								
HAMMER TYPE:		Not Applicable			LOGGED BY:		Connor Hicks						
SAMPLING METHOD:		Not Applicable			NORTHING:								
DRILLING METHOD:		DPT			EASTING:								
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION				WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Silty Sand, Brown,											
5		Boring Terminated at 5 Ft-BGS											
10													
15													
20													
25													
30													

PROJECT:			Durham Parks Waste Delineation			BORING LOG: WD-47						
			Walltown Park									
			S&ME Project No. 23050630									
DATE DRILLED:		Wednesday, November 13, 2024			BORING DEPTH (FT):		5					
DRILL RIG:		Geoprobe 7822 DT			WATER LEVEL:							
DRILLER:		Quantex			CAVE-IN DEPTH:							
HAMMER TYPE:		Not Applicable			LOGGED BY:		Connor Hicks					
SAMPLING METHOD:		Not Applicable			NORTHING:							
DRILLING METHOD:		DPT			EASTING:							
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
5		Sand, Very Dense, Gray, Tan,										
		Boring Terminated at 5 Ft-BGS										
10												
15												
20												
25												
30												

PROJECT: Durham Parks Waste Delineation			BORING LOG: WD-48								
Walltown Park											
S&ME Project No. 23050630											
DATE DRILLED:		Wednesday, November 13, 2024		BORING DEPTH (FT):		5.5					
DRILL RIG:		Geoprobe 7822 DT		WATER LEVEL:							
DRILLER:		Quantex		CAVE-IN DEPTH:							
HAMMER TYPE:		Not Applicable		LOGGED BY:		Connor Hicks					
SAMPLING METHOD:		Not Applicable		NORTHING:							
DRILLING METHOD:		DPT		EASTING:							
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION		WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Silty Sand, Very Dense, Brown,									
		Fill, Incinerator waste (ash, glass, ceramic),									
		Silty Sand, Brown,									
5		Fill, Incinerator waste,									
		Boring Terminated at 5.5 Ft-BGS									
10											
15											
20											
25											
30											

[illegible]

PROJECT: Durham Parks Waste Delineation			BORING LOG: WD-50									
Walltown Park												
S&ME Project No. 23050630												
DATE DRILLED:		Wednesday, November 13, 2024			BORING DEPTH (FT):			5				
DRILL RIG:		Geoprobe 7822 DT			WATER LEVEL:							
DRILLER:		Quantex			CAVE-IN DEPTH:							
HAMMER TYPE:		Not Applicable			LOGGED BY:			Connor Hicks				
SAMPLING METHOD:		Not Applicable			NORTHING:							
DRILLING METHOD:		DPT			EASTING:							
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Silty Sand, Brown, Black,										
		Fill, Incinerator waste (glass, ash),										
		Silty Sand, Brown,										
5		Boring Terminated at 5 Ft-BGS										
10												
15												
20												
25												
30												

PROJECT: Durham Parks Waste Delineation			BORING LOG: WD-51									
Walltown Park												
S&ME Project No. 23050630												
DATE DRILLED:		Wednesday, November 13, 2024			BORING DEPTH (FT):			5				
DRILL RIG:		Geoprobe 7822 DT			WATER LEVEL:							
DRILLER:		Quantex			CAVE-IN DEPTH:							
HAMMER TYPE:		Not Applicable			LOGGED BY:			Connor Hicks				
SAMPLING METHOD:		Not Applicable			NORTHING:							
DRILLING METHOD:		DPT			EASTING:							
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Silty Sand, Brown,										
		Fill, Incinerator waste (glass),										
		Clay, Brown, Moist,										
5		Boring Terminated at 5 Ft-BGS										
10												
15												
20												
25												
30												

PROJECT: Durham Parks Waste Delineation			BORING LOG: WD-52									
Walltown Park												
S&ME Project No. 23050630												
DATE DRILLED:		Wednesday, November 13, 2024		BORING DEPTH (FT):		5						
DRILL RIG:		Geoprobe 7822 DT		WATER LEVEL:								
DRILLER:		Quantex		CAVE-IN DEPTH:								
HAMMER TYPE:		Not Applicable		LOGGED BY:		Connor Hicks						
SAMPLING METHOD:		Not Applicable		NORTHING:								
DRILLING METHOD:		DPT		EASTING:								
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Silty Sand, Brown,										
		Fill, Incinerator waste (glass, ash, brick),										
		Silty Sand, Brown, Black,										
5		Boring Terminated at 5 Ft-BGS										
10												
15												
20												
25												
30												

PROJECT: Durham Parks Waste Delineation			BORING LOG: WD-53									
Walltown Park												
S&ME Project No. 23050630												
DATE DRILLED:		Wednesday, November 13, 2024			BORING DEPTH (FT):			5				
DRILL RIG:		Geoprobe 7822 DT			WATER LEVEL:							
DRILLER:		Quantex			CAVE-IN DEPTH:							
HAMMER TYPE:		Not Applicable			LOGGED BY:			Connor Hicks				
SAMPLING METHOD:		Not Applicable			NORTHING:							
DRILLING METHOD:		DPT			EASTING:							
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Silty Sand, Brown, Black,										
		Fill, Incinerator waste (glass, ash),										
		Silty Sand, Brown,										
5		Boring Terminated at 5 Ft-BGS										
10												
15												
20												
25												
30												

PROJECT:		Durham Parks Waste Delineation			BORING LOG: WD-54							
		Walltown Park										
		S&ME Project No. 23050630										
DATE DRILLED:		Wednesday, November 13, 2024			BORING DEPTH (FT):		10					
DRILL RIG:		Geoprobe 7822 DT			WATER LEVEL:							
DRILLER:		Quantex			CAVE-IN DEPTH:							
HAMMER TYPE:		Not Applicable			LOGGED BY:		Connor Hicks					
SAMPLING METHOD:		Not Applicable			NORTHING:							
DRILLING METHOD:		DPT			EASTING:							
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Fill, Incinerator waste (ash, glass, brick, ceramic),										
5		Silty Sand, Brown, Wet,										
10		Boring Terminated at 10 Ft-BGS										
15												
20												
25												
30												

PROJECT:			Durham Parks Waste Delineation			BORING LOG: WD-55						
			Walltown Park									
			S&ME Project No. 23050630									
DATE DRILLED:		Wednesday, November 13, 2024			BORING DEPTH (FT):		10					
DRILL RIG:		Geoprobe 7822 DT			WATER LEVEL:							
DRILLER:		Quantex			CAVE-IN DEPTH:							
HAMMER TYPE:		Not Applicable			LOGGED BY:		Connor Hicks					
SAMPLING METHOD:		Not Applicable			NORTHING:							
DRILLING METHOD:		DPT			EASTING:							
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Fill, Incinerator waste (ash, glass, brick, ceramic),										
5												
		Silty Sand, Brown, Tan, Wet,										
10		Boring Terminated at 10 Ft-BGS										
15												
20												
25												
30												

PROJECT: Durham Parks Waste Delineation Walltown Park S&ME Project No. 23050630			BORING LOG: WD-56									
DATE DRILLED:		Friday, November 15, 2024		BORING DEPTH (FT):		10						
DRILL RIG:		Geoprobe 7822 DT		WATER LEVEL:								
DRILLER:		Quantex		CAVE-IN DEPTH:								
HAMMER TYPE:		Not Applicable		LOGGED BY:		Emily Hermann						
SAMPLING METHOD:		Not Applicable		NORTHING:								
DRILLING METHOD:		DPT		EASTING:								
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Clay, Brown, Some Gravel,										
5		Fill, Incinerator waste (glass, brick),										
		Clay, Brown, Moist,										
10		Boring Terminated at 10 Ft-BGS										
15												
20												
25												
30												

PROJECT:						Durham Parks Waste Delineation							BORING LOG: WD-57							
						Walltown Park S&ME Project No. 23050630														
DATE DRILLED:			Friday, November 15, 2024							BORING DEPTH (FT):			5							
DRILL RIG:			Geoprobe 7822 DT							WATER LEVEL:										
DRILLER:			Quantex							CAVE-IN DEPTH:										
HAMMER TYPE:			Not Applicable							LOGGED BY:			Emily Hermann							
SAMPLING METHOD:			Not Applicable							NORTHING:										
DRILLING METHOD:			DPT							EASTING:										
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION									WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE		
		Fill, Incinerator waste (ash, glass, brick, ceramic),																		
5		Boring Terminated at 5 Ft-BGS																		
														</						

PROJECT: Durham Parks Waste Delineation Walltown Park S&ME Project No. 23050630			BORING LOG: WD-58									
DATE DRILLED:		Friday, November 15, 2024		BORING DEPTH (FT):		10						
DRILL RIG:		Geoprobe 7822 DT		WATER LEVEL:								
DRILLER:		Quantex		CAVE-IN DEPTH:								
HAMMER TYPE:		Not Applicable		LOGGED BY:		Emily Hermann						
SAMPLING METHOD:		Not Applicable		NORTHING:								
DRILLING METHOD:		DPT		EASTING:								
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
5		Fill, Incinerator waste (ash, glass, brick, melted chunks),										
	Clay, Brown, Moist,											
10		Boring Terminated at 10 Ft-BGS										
15												
20												
25												
30												

[illegible]

PROJECT: Durham Parks Waste Delineation Walltown Park S&ME Project No. 23050630			BORING LOG: WD-60									
DATE DRILLED:		Friday, November 15, 2024		BORING DEPTH (FT):		5						
DRILL RIG:		Geoprobe 7822 DT		WATER LEVEL:								
DRILLER:		Quantex		CAVE-IN DEPTH:								
HAMMER TYPE:		Not Applicable		LOGGED BY:		Emily Hermann						
SAMPLING METHOD:		Not Applicable		NORTHING:								
DRILLING METHOD:		DPT		EASTING:								
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
5		Fill, Incinerator waste (ash, glass, brick, melted chunks),										
		Boring Terminated at 5 Ft-BGS										
10												
15												
20												
25												
30												

PROJECT: Durham Parks Waste Delineation			BORING LOG: WD-61									
Walltown Park												
S&ME Project No. 23050630												
DATE DRILLED:		Friday, November 15, 2024			BORING DEPTH (FT):			5				
DRILL RIG:		Geoprobe 7822 DT			WATER LEVEL:							
DRILLER:		Quantex			CAVE-IN DEPTH:							
HAMMER TYPE:		Not Applicable			LOGGED BY:			Emily Hermann				
SAMPLING METHOD:		Not Applicable			NORTHING:							
DRILLING METHOD:		DPT			EASTING:							
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Fill, Incinerator waste (ash, glass, brick, melted chunks),										
5		Clay, Brown, Moist,										
		Boring Terminated at 5 Ft-BGS										
10												
15												
20												
25												
30												

PROJECT: Durham Parks Waste Delineation Walltown Park S&ME Project No. 23050630			BORING LOG: WD-62									
DATE DRILLED:		Friday, November 15, 2024		BORING DEPTH (FT):		5						
DRILL RIG:		Geoprobe 7822 DT		WATER LEVEL:								
DRILLER:		Quantex		CAVE-IN DEPTH:								
HAMMER TYPE:		Not Applicable		LOGGED BY:		Emily Hermann						
SAMPLING METHOD:		Not Applicable		NORTHING:								
DRILLING METHOD:		DPT		EASTING:								
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Fill, Incinerator waste (ash, glass, brick, melted chunks), Clay, Brown, Moist,										
5		Boring Terminated at 5 Ft-BGS										
10												
15												
20												
25												
30												

PROJECT: Durham Parks Waste Delineation Walltown Park S&ME Project No. 23050630			BORING LOG: WD-63									
DATE DRILLED:		Friday, November 15, 2024		BORING DEPTH (FT):		5						
DRILL RIG:		Geoprobe 7822 DT		WATER LEVEL:								
DRILLER:		Quantex		CAVE-IN DEPTH:								
HAMMER TYPE:		Not Applicable		LOGGED BY:		Emily Hermann						
SAMPLING METHOD:		Not Applicable		NORTHING:								
DRILLING METHOD:		DPT		EASTING:								
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Fill, Incinerator waste (ash, glass, brick, melted chunks),										
		Clay, Tan, Moist,										
5		Boring Terminated at 5 Ft-BGS										
10												
15												
20												
25												
30												

PROJECT: Durham Parks Waste Delineation			BORING LOG: WD-64									
Walltown Park												
S&ME Project No. 23050630												
DATE DRILLED:		Thursday, February 6, 2025			BORING DEPTH (FT):			3				
DRILL RIG:					WATER LEVEL:							
DRILLER:					CAVE-IN DEPTH:							
HAMMER TYPE:					LOGGED BY:			Connor Hicks				
SAMPLING METHOD:					NORTHING:							
DRILLING METHOD:		Hand auger			EASTING:							
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Silty Sand, Tan,										
		Boring Terminated at 3 Ft-BGS										
5												
10												
15												
20												
25												
30												

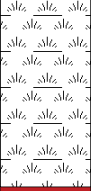
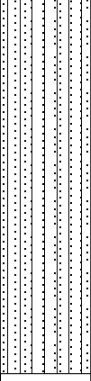
PROJECT: Durham Parks Waste Delineation Walltown Park S&ME Project No. 23050630			BORING LOG: WD-65									
DATE DRILLED:		Thursday, February 6, 2025		BORING DEPTH (FT):		3						
DRILL RIG:				WATER LEVEL:								
DRILLER:				CAVE-IN DEPTH:								
HAMMER TYPE:				LOGGED BY:		Connor Hicks						
SAMPLING METHOD:				NORTHING:								
DRILLING METHOD:		Hand auger		EASTING:								
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Silty Sand, Tan, Brown, Some glass fragments,										
		Boring Terminated at 3 Ft-BGS										
5												
10												
15												
20												
25												
30												

PROJECT: Durham Parks Waste Delineation Walltown Park S&ME Project No. 23050630			BORING LOG: WD-66									
DATE DRILLED:		Thursday, February 6, 2025		BORING DEPTH (FT):		3						
DRILL RIG:				WATER LEVEL:								
DRILLER:				CAVE-IN DEPTH:								
HAMMER TYPE:				LOGGED BY:		Connor Hicks						
SAMPLING METHOD:				NORTHING:								
DRILLING METHOD:		Hand auger		EASTING:								
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Silty Sand, Brown, Tan, Some glass fragments,										
		Boring Terminated at 3 Ft-BGS										
5												
10												
15												
20												
25												
30												

PROJECT: Durham Parks Waste Delineation			BORING LOG: WD-67									
Walltown Park												
S&ME Project No. 23050630												
DATE DRILLED:		Thursday, February 6, 2025			BORING DEPTH (FT):			3				
DRILL RIG:					WATER LEVEL:							
DRILLER:					CAVE-IN DEPTH:							
HAMMER TYPE:					LOGGED BY:			Connor Hicks				
SAMPLING METHOD:					NORTHING:							
DRILLING METHOD:		Hand auger			EASTING:							
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Silty Sand, Brown, Tan,										
		Boring Terminated at 3 Ft-BGS										
5												
10												
15												
20												
25												
30												

PROJECT: Durham Parks Waste Delineation Walltown Park S&ME Project No. 23050630			BORING LOG: WD-68									
DATE DRILLED:		Thursday, February 6, 2025		BORING DEPTH (FT):		3						
DRILL RIG:				WATER LEVEL:								
DRILLER:				CAVE-IN DEPTH:								
HAMMER TYPE:				LOGGED BY:		Connor Hicks						
SAMPLING METHOD:				NORTHING:								
DRILLING METHOD:		Hand auger		EASTING:								
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION			WATER LEVEL	SAMPLE	PID READING (PPM)	LABORATORY ANALYSES	Sample Time / 1st 6in	2nd 6in	3rd 6in	N VALUE
		Silty Sand, Brown, Tan,										
		Boring Terminated at 3 Ft-BGS										
5												
10												
15												
20												
25												
30												

PROJECT: City of Durham Parks Walltown Park S&ME Project No. 23050630 - Walltown Park Test Pits				TEST PIT LOG: TP-1 Sheet 1 of 1		
DATE: 01/24/2025		ELEVATION:		NOTES:		
EQUIPMENT:			DATUM: NAVD88			
OPERATOR: Buckeye Elm		DEPTH: 2.0 ft				
HAMMER TYPE: Not Applicable		CLOSURE: Backfilled with Cuttings				
EXCAVATION METHOD:			LOGGED BY: Emily Hermann		LATITUDE: LONGITUDE:	
SAMPLING METHOD:				PROJECT COORDINATE SYSTEM - NAD 1983 StatePlane North Carolina FIPS 3200 Feet		

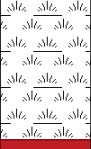
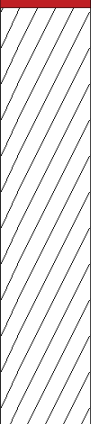
Depth (feet)	NOTES	DEPOSITIONAL ENVIRONMENT	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	ELEVATION
0					Topsoil 	0
					Incinerator waste 	
1					Silty sand 	-1
2					Test Pit terminated at 2.0 feet.	-2
3						

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 Walltown Park S&ME Project No. 23050630 - Walltown Park Test Pits				TEST PIT LOG: TP-2 Sheet 1 of 1	
DATE: 01/24/2025		ELEVATION:		NOTES:	
EQUIPMENT:		DATUM: NAVD88			
OPERATOR: Buckeye Elm		DEPTH: 3.0 ft			
HAMMER TYPE: Not Applicable		CLOSURE: Backfilled with Cuttings			
EXCAVATION METHOD:		LOGGED BY: Emily Hermann		LATITUDE: LONGITUDE:	
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					Topsoil	0
		0.5			Incinerator waste (brick, glass, ceramic)	
1		1.0			Red clay	-1
		2.5			Metal waste	
3		3.0			Test Pit terminated at 3.0 feet.	-3
4						

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 Walltown Park S&ME Project No. 23050630 - Walltown Park Test Pits				TEST PIT LOG: TP-3 Sheet 1 of 1		
DATE: 01/24/2025		ELEVATION:		NOTES:		
EQUIPMENT:			DATUM: NAVD88			
OPERATOR: Buckeye Elm		DEPTH: 4.0 ft				
HAMMER TYPE: Not Applicable		CLOSURE: Backfilled with Cuttings				
EXCAVATION METHOD:			LOGGED BY: Emily Hermann		LATITUDE: LONGITUDE:	
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					Topsoil	0
		0.3			Clay	
1		1.0			Incinerator waste (glass, brick, ceramic)	-1
		1.5			Clay	
2						-2
3						-3
4		4.0			Test Pit terminated at 4.0 feet.	-4
5						

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 Walltown Park S&ME Project No. 23050630 - Walltown Park Test Pits				TEST PIT LOG: TP-4 Sheet 1 of 1		
DATE: 01/24/2025		ELEVATION:		NOTES:		
EQUIPMENT:			DATUM: NAVD88			
OPERATOR: Buckeye Elm		DEPTH: 4.0 ft				
HAMMER TYPE: Not Applicable		CLOSURE: Backfilled with Cuttings				
EXCAVATION METHOD:		LOGGED BY: Emily Hermann				LATITUDE:
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					Topsoil	0
0.5					Incinerator waste (lots of brick, metal)	
1						-1
2					Clay	-2
3						-3
4					Test Pit terminated at 4.0 feet.	-4
5						

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 Walltown Park S&ME Project No. 23050630 - Walltown Park Test Pits				TEST PIT LOG: TP-5 <i>Sheet 1 of 1</i>	
DATE: 01/24/2025		ELEVATION:		NOTES:	
EQUIPMENT:		DATUM: NAVD88			
OPERATOR: Buckeye Elm		DEPTH: 3.0 ft			
HAMMER TYPE: Not Applicable		CLOSURE: Backfilled with Cuttings			
EXCAVATION METHOD:		LOGGED BY: Emily Hermann		LATITUDE: LONGITUDE:	
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					Topsoil	0
		0.5			Incinerator waste	
1						-1
2						-2
		2.5			Clay	
3		3.0			Test Pit terminated at 3.0 feet.	-3
4						

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

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

Appendix III – Photographic Log



Remedial Investigation – Waste Delineation Assessment Report
Walltown Park – City of Durham, Task Orders 824RI-5 and 821RI-9
1308 West Club Boulevard, Durham, Durham County, North Carolina
NCDEQ ID No. NONCD0000824
S&ME Project No. 23050630

		1/24/2025
		Photographer: Emily Hermann
1	Location / Orientation	TP-1
	Remarks	View of the test pit. Ash, brick & glass observed
		1/24/2025
		Photographer: Emily Hermann
2	Location / Orientation	TP-2
	Remarks	View of TP-2. Brick, glass & ceramic observed



Remedial Investigation – Waste Delineation Assessment Report
Walltown Park – City of Durham, Task Orders 824RI-5 and 821RI-9
1308 West Club Boulevard, Durham, Durham County, North Carolina
NCDEQ ID No. NONCD0000824
S&ME Project No. 23050630

		1/24/2025
		Photographer: Emily Hermann
3	Location / Orientation	TP-3
	Remarks	View of TP-3. Glass, brick & ceramic observed
		1/24/2025
		Photographer: Emily Hermann
4	Location / Orientation	TP-4
	Remarks	View of TP-4. Brick & metal observed



Remedial Investigation – Waste Delineation Assessment Report
Walltown Park – City of Durham, Task Orders 824RI-5 and 821RI-9
1308 West Club Boulevard, Durham, Durham County, North Carolina
NCDEQ ID No. NONCD0000824
S&ME Project No. 23050630

			1/24/2025
			Photographer: Emily Hermann
5	Location / Orientation	TP-5	
	Remarks	View of TP-5. Glass, ceramic and plastic waste was observed	

Appendix IV – Laboratory Analytical Results and Chain of Custody Forms

**EMSL Analytical, Inc.**

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

EMSL Order ID: 022450673
LIMS Reference ID: KC50673
EMSL Customer ID: SMEI60

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

Project Name: City of Durham Parks 23050630

Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 12/06/2024 09:30
Reported: 12/09/2024 09:41

Analytical Results

Analyte	Results	RL	Volume(L)	Prep Date & Tech	Prep Method	Analysis Date & Analyst	Analytical Method	Q	DF
Client Sample ID: WP-1/middle of area							Date Sampled: 11/12/24		
Matrix: Cassettes							LIMS Reference ID: KC50673-01		
Lead	<6.7 ug/m ³	6.7 ug/m ³	600	12/06/24 JC	NIOSH 7082	12/06/24 JC	NIOSH 7082	1	
Sample Comments:									
Client Sample ID: WP-2/middle of area							Date Sampled: 11/13/24		
Matrix: Cassettes							LIMS Reference ID: KC50673-02		
Lead	<5.1 ug/m ³	5.1 ug/m ³	780	12/06/24 JC	NIOSH 7082	12/06/24 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: 022450673
LIMS Reference ID: KC50673
EMSL Customer ID: SMEI60

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

Project Name: City of Durham Parks 23050630

Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 12/06/2024 09:30
Reported: 12/09/2024 09:41

Certified Analyses included in this Report

Analyte	Certifications
NIOSH 7082 in Cassettes	
Lead	02-AIHA ELLAP

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

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.

James Cole Laboratory Manager or other approved signatory

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



EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

SMEILLO

Lead Chain of Custody

EMSL Order Number / Lab Use Only

1C50673

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

PHONE: (800) 220-3675

EMAIL: CinnaminsonLeadLab@emsl.com

Customer Information	Customer ID:		Billing ID:	
	Company Name: <u>S&ME Inc</u>		Company Name: <u>S&ME Inc</u>	
	Contact Name: <u>Jerry Paul</u>		Billing Contact: <u>Same</u>	
	Street Address: <u>3201 Spring Forest Rd</u>		Street Address:	
	City, State, Zip: <u>Raleigh, NC 27616</u>	Country: <u>US</u>	City, State, Zip:	Country:
	Phone: <u>919-801-6482</u>		Phone:	
	Email(s) for Report: <u>jpaull@smelco.com</u>		Email(s) for Invoice:	
Project Information				
Project Name/No: <u>City of Durham Parks 23050630</u>			Purchase Order:	
EMSL LIMS Project ID: (If applicable, EMSL will provide)			US State where samples collected: ☐ Connecticut (CT) must select project location: ☐ Commercial (Taxable) ☐ Residential (Non-Taxable)	
Sampled By Name: <u>Emily Hermann</u>		Sampled By Signature:		No. of Samples in Shipment
Turn-Around-Time (TAT)				
☐ 3 Hour ☐ 6 Hour ☒ 24 Hour ☐ 32 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week				
Please call ahead for large projects and/or turnaround times 6 Hours or Less. *32 Hour TAT available for select tests only; samples must be submitted by 11:30am.				
MATRIX	METHOD	INSTRUMENT	REPORTING LIMIT	SELECTION
CHIPS ☐ % by wt. ☐ ppm (mg/kg) ☐ mg/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)	☐
	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	☐
AIR				
WIPE ☐ ASTM ☐ NON-ASTM	SW 846-7000B	Flame Atomic Absorption	10µg/wipe	☐
If no box is checked, non-ASTM Wipe is assumed	SW 846-6010D	ICP-OES	1.0µg/wipe	☐
TCLP	SW 846-1311 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW 846-1311 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
SPLP	SW 846-1312 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW 846-1312 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
TTLC	22 CCR App. II, 7000B/7420	Flame Atomic Absorption	40mg/kg (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	2mg/kg (ppm)	☐
STLC	22 CCR App. II, 7000B/7420	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
Soil	SW 846-7000B	Flame Atomic Absorption	40mg/kg (ppm)	☐
	SW 846-6010D*	ICP-OES	2mg/kg (ppm)	☐
Wastewater	SM 3111B / SW 846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
Unpreserved ☐	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	
WP-1	middle of area	600	11/12/24	
WP-2	middle of area	780	11/13/24	
Method of Shipment: <u>7915 4556 8150</u>				
Relinquished by: <u>[Signature]</u>		Sample Condition Upon Receipt:		Date/Time
Date/Time: <u>12/15/24 1210</u>		Received by: <u>[Signature]</u>		<u>12/15/24 12:12</u>
Relinquished by:		Received by: <u>[Signature]</u>		Date/Time
				<u>12-16-24 9:30</u>

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.

**EMSL Analytical, Inc.**

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

EMSL Order ID: 022550180
LIMS Reference ID: KD50180
EMSL Customer ID: SMEI60

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

Project Name: Walltown Park (City of Durham Parks)

Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 02/04/2025 09:10
Reported: 02/05/2025 08:02

Analytical Results

Analyte	Results	RL	Volume(L)	Prep Date & Tech	Prep Method	Analysis Date & Analyst	Analytical Method	Q	DF
Client Sample ID: 824-Pb-01/Work Zone							Date Sampled: 01/24/25		
Matrix: Cassettes							LIMS Reference ID: KD50180-01		
Lead	<6.8 ug/m ³	6.8 ug/m ³	470	02/04/25 JC	NIOSH 7082	02/04/25 JC	NIOSH 7082		1
Sample Comments:									
Client Sample ID: 824-Pb-02/Work Zone							Date Sampled: 01/27/25		
Matrix: Cassettes							LIMS Reference ID: KD50180-02		
Lead	<4.8 ug/m ³	4.8 ug/m ³	660	02/04/25 JC	NIOSH 7082	02/04/25 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: 022550180
LIMS Reference ID: KD50180
EMSL Customer ID: SMEI60

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

Project Name: Walltown Park (City of Durham Parks)

Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 02/04/2025 09:10
Reported: 02/05/2025 08:02

Certified Analyses included in this Report

Analyte	Certifications
NIOSH 7082 in Cassettes	
Lead	02-AIHA ELLAP

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

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Notes and Definitions

Item	Definition
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NR	Spike/Surrogate showed no recovery.
Q	Qualifier
RL	Reporting Limit
Wet	Sample is not dry weight corrected.

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James Cole Laboratory Manager or other approved signatory

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



EMSL ANALYTICAL, INC.
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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

1050180

Customer Information		Billing Information	
Customer ID:		Billing ID:	
Company Name: <u>S+ME</u>		Company Name: <u>S+ME</u>	
Contact Name: <u>Gerald Paul</u>		Billing Contact:	
Street Address: <u>3201 Spring Forest Rd</u>		Street Address:	
City, State, Zip:		City, State, Zip:	
Country:		Country:	
Phone:		Phone:	
Email(s) for Report: <u>emilyhermann@smeinc.com</u>		Email(s) for Invoice:	
Project Information			
Project Name/No: <u>Waltham Park (City of Durham Parks)</u>		Purchase Order:	
EMSL LIMS Project ID: (If applicable, EMSL will provide)		US State where samples collected:	
Sampled By Name:		State of Connecticut (CT) must select project location: ☐ Commercial (Taxable) ☐ Residential (Non-Taxable)	
Sampled By Signature:		No. of Samples in Shipment	
Turn-Around-Time (TAT)			
☐ 3 Hour ☐ 6 Hour ☒ 24 Hour ☐ 32 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week			
Please call ahead for large projects and/or turnaround times 6 Hours or Less. *32 Hour TAT available for select tests only; samples must be submitted by 11:30am.			
MATRIX	METHOD	INSTRUMENT	REPORTING LIMIT
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)
	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
AIR			
WIPE ☐ ASTM ☐ NON-ASTM	SW 846-7000B	Flame Atomic Absorption	10µg/wipe
If no box is checked, non-ASTM Wipe is assumed	SW 846-6010D	ICP-OES	1.0µg/wipe
TCLP	SW 846-1311 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)
	SW 846-1311 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)
SPLP	SW 846-1312 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)
	SW 846-1312 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)
TTLIC	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 ☐	40 CFR Part 50	ICP-OES	12 µg/filter
Preserved with HNO ₃ ☐ PH<2			
TSP/SPM Filter			
Other:			
Sample Number	Sample Location	Volume / Area	Date / Time Sampled
824-ph-01	work zone	476	1/24/25
824-ph-02	↓	660	1/27/25
Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by: <u>[Signature]</u>	Date/Time: <u>2/3/25</u>	Received by: <u>[Signature]</u>	Date/Time: <u>2/3/25 9:43</u>
Relinquished by:	Date/Time:	Received by: <u>[Signature]</u>	Date/Time: <u>2/4/25 09:16</u>

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.)

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