



July 24, 2024

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

Attention: Mr. Kevin Kelt email: Kevin.Kelt@ncdenr.gov
Hydrogeologist

Reference: **Remedial Investigation – Topographic and Boundary Survey**
Task Order 823DP-6
East End Park
1200 N Alston Ave, Durham, NC 27701
NCDEQ ID No. NONCD0000823

Dear Mr. Kelt:

S&ME, Inc. (S&ME) is submitting this report to the North Carolina Department of Environmental Quality (NCDEQ), Pre-Regulatory Landfill Unit (Unit) summarizing surveying activities conducted at the above-referenced site in Durham, North Carolina. S&ME completed this task order in general conformance with our approved proposal No. 23050630W, dated April 15, 2024, for Task Order 823DP-6 under state contract N42621-B, dated January 4, 2022.

S&ME subcontracted a North Carolina registered land surveyor (Bateman Civil Surveying) to conduct a topographic and boundary survey of the East End Park noted above as shown on the attached drawing. S&ME staff accompanied the surveyors during the fieldwork, which was performed between April 29, 2024, and July 11, 2024.

The topographic and boundary survey will be used to prepare the Draft Remedial Action Plans (RAP) for the site that will be prepared by S&ME.

Please feel free to contact Gerald Paul at 919-872-2660 if you have questions.

Sincerely,

S&ME, Inc.

Handwritten signature of Gerald Paul in black ink.

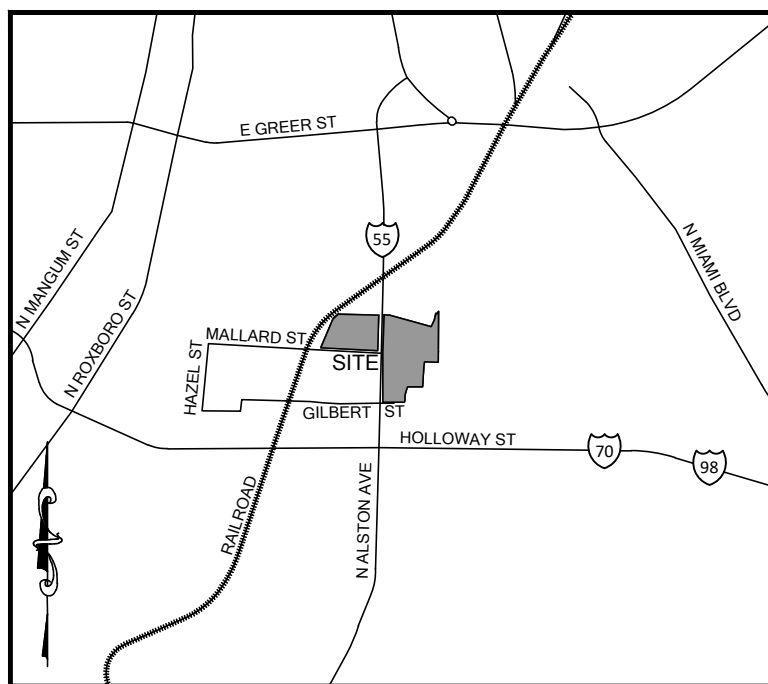
Gerald Paul
Senior Project Manager

Handwritten signature of Tom Raymond in black ink.

Tom Raymond, PE, RSM
Program Manager

Attachments: Topographic and Boundary Survey

Attachments



LEGEND VICINITY MAP NOT TO SCALE

- THIS SURVEY WAS PREPARED BY BATEMAN CIVIL SURVEY CO., UNDER THE SUPERVISION OF F. REX COOPER, PLS.
- PROPERTY LINES SHOWN WERE TAKEN FROM EXISTING FIELD EVIDENCE, EXISTING DEEDS AND PLATS OF PUBLIC RECORD, AND INFORMATION SUPPLIED TO THE SURVEYOR BY THE CLIENT
- ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES AND ALL BEARINGS ARE BASED ON GPS OBSERVATIONS NAD83 / NSRS 2011 / SPC UNLESS OTHERWISE SHOWN.
- THIS MAP IS NOT FOR RECORDATION AND SHOULD BE REVIEWED BY A LOCAL GOVERNMENT AGENCY FOR COMPLIANCE WITH ANY APPLICABLE LAND DEVELOPMENT REGULATIONS
- THE BASIS OF ALL EASEMENTS, RIGHTS-OF-WAY, BUFFERS, SETBACKS AND ADJOINERS, ETC. REFERENCED IN TITLE BLOCK
- NO INVESTIGATION INTO THE EXISTENCE OF JURISDICTIONAL WETLANDS OR RIPARIAN BUFFERS PERFORMED BY THIS FIRM.
- THE PROPERTIES LIE IN ZONE "X" PER NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP COMMUNITY NUMBER 3720083100J DATED MAY 02, 2006. FLOOD LINES SHOWN WERE IMPORTED FROM FEMA SHAPE FILES AND ARE APPROXIMATE AT BEST
- ZONING IS "RU-5(2)" AND FOR THE CITY OF DURHAM PER DURHAM COUNTY GIS.
- AREAS COMPUTED BY COORDINATE METHOD.
- THE PROPERTIES SHOWN HEREON ARE SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD.

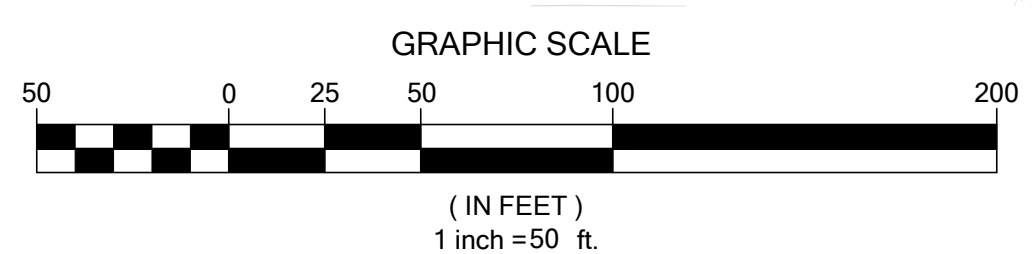
THIS MAP IS CONSIDERED PRELIMINARY, NOT FOR RECORDATION, CONVEYANCE OR SALES UNLESS SIGNED AND SEALED BY THE LICENSED SURVEYOR

I, F. REX COOPER, CERTIFY THAT THIS MAP WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION (RECORDED DEED AND/OR PLAT DESCRIPTION REFERENCED HEREON); THAT THE BOUNDARIES NOT SURVEYED ARE INDICATED AS DRAWN FROM INFORMATION FOUND AS SHOWN HEREON; THAT THE POSITIONAL ACCURACY IS < 0.10' AT A 95% CONFIDENCE LEVEL; AND THAT THIS MAP MEETS THE REQUIREMENTS OF THE STANDARDS OF PRACTICE FOR LAND SURVEYING IN NORTH CAROLINA (21 NCAC 56.1600). WITNESS MY ORIGINAL SIGNATURE, LICENSE NUMBER, AND SEAL THIS DAY OF _____ A.D., 2024.

PRELIMINARY

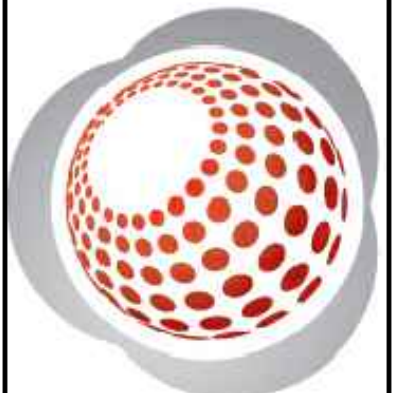
F. REX COOPER, PLS. DATE

- EIP EXISTING IRON PIPE
 - EIR EXISTING IRON REBAR
 - ECM EXISTING CONCRETE MONUMENT
 - PKF PK NAIL FOUND
 - IPS IRON PIPE SET
 - PKS PK NAIL SET
 - DB DEED BOOK
 - BM BOOK OF MAPS
 - PG PAGE
 - R/W RIGHT OF WAY
 - N/F NOW OR FORMERLY
 - (T) TOTAL
 - (M) MEASURED
 - (D) DEEDED
 - MAI MAX. ALLOWED IMPERVIOUS
 - TYP TYPICAL
 - RCP REINFORCED CONCRETE PIPE
 - CMP CORRUGATED METAL PIPE
 - CP COMPUTED POINT
 - BOUNDARY CORNER FOUND
 - BOUNDARY CORNER SET
 - MONUMENT FOUND
 - COMPUTED POINT
 - SITE BENCHMARK
 - UTILITY VALVE
 - UTILITY MANHOLE
 - UTILITY HAND HOLE
 - UTILITY METER
 - UTILITY MARKER
 - UTILITY POLE
 - GUY WIRE
 - LIGHT POLE
 - FIRE HYDRANT
 - CLEAN OUT
 - CATCH BASIN
 - DROP INLET
 - TRANSFORMER
 - ELECTRIC PEDESTAL / BOX
 - TELEPHONE PEDESTAL / BOX
 - CABLE PEDESTAL / BOX
 - WELL
 - SIGN
 - TREE
 - A/C UNIT
 - MISC.
- PROPERTY LINE SURVEYED
 - - - PROPERTY LINE NOT SURVEYED
 - - - BOUNDARY TIE LINE
 - - - RIGHT OF WAY
 - - - EASEMENTS
 - - - SETBACKS
 - - - MAJOR CONTOUR
 - - - MINOR CONTOUR
 - - - BUFFER
 - - - FENCE
 - - - TREE LINE
 - - - TREE PROTECTION FENCE
 - - - SILT FENCE
 - - - OVERHEAD UTILITY LINE
 - - - SANITARY SEWER LINE
 - - - STORM DRAINAGE LINE
 - - - PAVEMENT
 - - - CONCRETE
 - - - GRAVEL
 - - - BRICKS
 - - - WETLAND
 - - - POND
 - - - FEMA ZONE "AE"
 - - - FEMA FLOODWAY



CURVE#	LENGTH	RADIUS	BEARING	CHORD
C1	75.74'	826.39'	S50°03'44"W	75.71'

BATEMAN CIVIL SURVEY COMPANY
 ENGINEERS • SURVEYORS • PLANNERS
 2524 RELIANCE AVENUE, APEX, NC 27539
 PHONE: (919) 577-1080 FAX: (919) 577-1081
 INFO@BATEMANCIVILSURVEY.COM
 NCBELS FIRMS# C-2378



BOUNDARY AND TOPOGRAPHIC SURVEY
 EXCLUSIVELY FOR SRMME
 PROPERTY OF THE CITY OF DURHAM
 AS RECORDED IN D.B. 105, PG. 19
 PINS: 0831384161, REID: 110561 & 0831470827, REID: 111152
 1200 N. ALSTON AVENUE
 DURHAM TOWNSHIP - DURHAM COUNTY - NORTH CAROLINA

REVISIONS
1.
2.
3.
4.
5.

DESIGNED BY: N/A
 DRAWN BY: MJP
 CHECKED BY: FRC
 SCALE: 1" = 50'
 DATE: 07/3/2024
 JOB NUMBER: 240367

SHEET 1