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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

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

Reference: **Remedial Investigation – Topographic and Boundary Survey** Task Order 821DP-6 East Durham Park 2500 E Main St, Durham, NC 27703 NCDEQ ID No. NONCD0000821

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. 23050630U, dated April 15, 2024, for Task Order 821DP-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 Durham 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.

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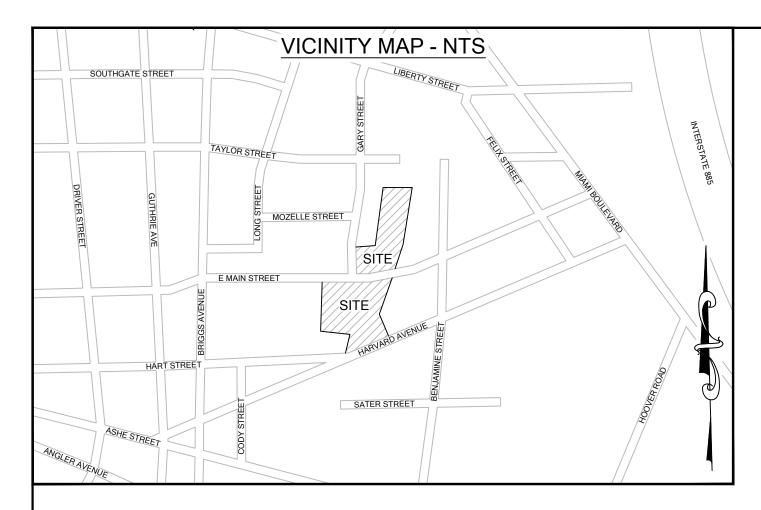
Gerald Paul Senior Project Manager

Topographic and Boundary Survey Attachments:

low Report

Tom Raymond, PE, RSM Program Manager

Attachments



NOTES:

- 1. THIS SURVEY WAS PREPARED BY BATEMAN CIVIL SURVEY CO., UNDER THE SUPERVISION OF F. REX COOPER, PLS.
- 2. 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
- 3. ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES AND ALL BEARINGS ARE BASED ON GPS OBSERVATIONS NAD83 / NSRS 2011 / SPC UNLESS OTHERWISE SHOWN.
- 4. THIS MAP IS NOT FOR RECORDATION AND SHOULD BE REVIEWED BY A LOCAL GOVERNMENT AGENCY FOR COMPLIANCE
- WITH ANY APPLICABLE LAND DEVELOPMENT REGULATIONS5. THE BASIS OF ALL EASEMENTS, RIGHTS-OF-WAY, BUFFERS, SETBACKS AND ADJOINERS, ETC. REFERENCED IN TITLE BLOCK
- 6. NO INVESTIGATION INTO THE EXISTENCE OF JURISDICTIONAL WETLANDS OR RIPARIAN BUFFERS PERFORMED BY THIS
- FIRM.
- 7. 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
- 8. ZONING IS 'RU-5' AND 'RU-M' FOR THE CITY OF DURHAM PER DURHAM COUNTY GIS.
- 9. AREAS COMPUTED BY COORDINATE METHOD.
- 10. THE PROPERTIES SHOWN HEREON ARE SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD.

CLASS OF SURVEY: <u>A</u> POSITIONAL ACCURACY: <u>0.07'</u>

- TYPE OF GPS FIELD PROCEDURE: NC REAL TIME NETWORK
- DATES OF SURVEY: JUNE 2024
- DATUM/EPOCH: NAD83/NSRS2011/SPC
- COMBINED GRID FACTOR (CONTROL CORNER 1): 0.999942570 UNITS: US SURVEY FEET

	LEGEND
	ADJOINING BOUNDARY LINE (NOT SURVEYED)
	——————————————————————————————————————
	— — — EASEMENT LINE
	TREELINE
	 EXISTING BOUNDARY CORNER FOUND BOUNDARY CORNER SET (3/4" IPS UNLESS OTHERWISE NOTED) COMPLITED DOINT
	⊗ COMPUTED POINT
	Section 2017
	TRANSFORMER / ELECTRIC BOX
	🔅 LIGHT POLE
	つ UTILITY POLE
	🗭 WATER METER
	Since Hydrant
	© CABLE PEDESTAL
	CATCH BASIN
	DROP INLET
	WELL
	SIGN
THIS MAP IS CONSIDERED PRELIMINARY, NOT FOR RECORDATION,	EIP EXISTING IRON PIPE
CONVEYANCE OR SALES UNLESS SIGNED AND SEALED BY THE	EIR EXISTING IRON REBAR
	IPS IRON PIPE SET
LICENSED SURVEYOR.	PKS PK NAIL SET
	EPK EXISTING PK NAIL
	SSMH SANITARY SEWER MANHOLE
	N NORTH
I, F. REX COOPER, CERTIFY THAT THIS MAP WAS DRAWN UNDER MY SUPERVISION	E EAST
FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION AS RECORDED IN	S SOUTH
REFERENCES SHOWN HEREON; THAT THE BOUNDARIES NOT SURVEYED ARE	W WEST
INDICATED AS DRAWN FROM INFORMATION FOUND AS SHOWN HEREON; THAT THE	NE NORTHEAST
POSITIONAL ACCURACY IS < 0.10' AT 95% CONFIDENCE LEVEL; AND THAT THIS MAP	SE SOUTHEAST
MEETS THE REQUIREMENTS OF THE STANDARDS OF PRACTICE FOR LAND	SW SOUTHWEST
SURVEYING IN NORTH CAROLINA (21 NCAC 56.1600). WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER, AND SEAL THIS DAY	NW NORTHWEST
DF , 2024.	DB DEED BOOK
01, 2024.	PG PAGE
, F. REX COOPER, CERTIFY THAT THIS PROJECT WAS COMPLETED UNDER MY	PB PLAT BOOK
DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY	
SUPERVISION; THAT THIS TOPOGRAPHIC SURVEY WAS PERFORMED AT THE 95	
PERCENT CONFIDENCE LEVEL TO MEET FEDERAL GEOGRAPHIC DATA COMMITTEE	SL SLIDE
STANDARDS; THAT THIS SURVEY WAS PERFORMED TO MEET THE REQUIREMENTS	R/W RIGHT OF WAY
FOR A TOPOGRAPHIC /PLANIMETRIC SURVEY TO THE ACCURACY OF CLASS A AND	POB POINT OF BEGINNING
VERTICAL ACCURACY WHEN APPLICABLE TO THE CLASS C STANDARD, AND THAT	(T) TOTAL
THE ORIGINAL DATA WAS OBTAINED ON 06/05/2024; THAT THE SURVEY WAS	N/F NOW OR FORMERLY
COMPLETED ON 06/04/2024; THAT CONTOURS SHOWN AS BROKEN LINES MAY NOT	RCP REINFORCED CONCRETE PIPE
MEET THE STATED STANDARD; AND ALL COORDINATES ARE BASED ON 'NAD 83'	CMP CORRUGATED METAL PIPE
AND REALIZATION NSRS 2011 AND ALL ELEVATIONS ARE BASED ON NAVD 88.	FES FLARED END SECTION
	TYP TYPICAL
	ASPHALT
	ASPHALT
	ASPHALT
	ASPHALT
F. REX COOPER, PLS NC LICENSE NO. L-4269	

