BRYAN CAVE
POWELL GOLDSTEIN

Joan B. Sasine
Direct: 404.572-6647
Fax: 404.572-6999
joan.sasine@bryancave.com

February 1, 2010

Alexandra Cleary
Georgia, Environmental Protection Division
Hazardous Waste Management Branch
Suite 1462 East Floyd Tower
2 Martin Luther King, Jr., Drive, S.E.
Atlanta, Georgia 30334

Re: Northside Drive Landfill HSI Site No. 10222
Atlanta, Fulton County, Georgia

Dear Ms. Cleary:

Enclosed is one (1) paper copy and two (2) CD copies of the revised Voluntary Remediation Plan Application Form and Checklist. Also enclosed are copies of the tables, figures and narrative referenced from other documents previously submitted to EPD.

Please let me know if any other documents are needed.

Very truly yours,

Joan B. Sasine

Joan B. Sasine
Special Assistant Attorney General

JBS/cl

Enclosure(s)

cc: Denise Whiting-Pack, Esq.

6047931

Voluntary Remediation Plan Application Form and Checklist

VRP APPLICANT INFORMATION

COMPANY NAME	Georgia Department of Economic Development on behalf of the State of Georgia (owner) and the Georgia World Congress Center Authority (lessee)				
CONTACT PERSON/TITLE	Joan B. Sasine, Special Assistant Attorney General				
ADDRESS	1201 W. Peachtree Street, NW, 14th Floor, Atlanta, Georgia 30309				
PHONE	(404) 572-6647	FAX	(404) 572-6999	E-MAIL	joan.sasine@bryancave.com

GEORGIA CERTIFIED PROFESSIONAL GEOLOGIST OR PROFESSIONAL ENGINEER OVERSEEING CLEANUP

(Cleanup was previously done by EPD Contractor)

NAME	Richard A. Woodham, P.E.			GA PE/PG NUMBER	021802
COMPANY	Weston Solutions, Inc.				
ADDRESS	5430 Metric Place, Suite 100				
PHONE	(770) 325-7970	FAX	(770) 325-7950	E-MAIL	richard.woodham@westonsolutions.com

APPLICANT'S CERTIFICATION

In order to be considered a qualifying property for the VRP:

(1) The property must have a release of regulated substances into the environment;
(2) The property shall not be:
- (A) Listed on the federal National Priorities List pursuant to the federal Comprehensive Environmental Response, Compensation, and Liability Act, 42 U.S.C. Section 9601.
- (B) Currently undergoing response activities required by an order of the regional administrator of the federal Environmental Protection Agency; or
- (C) A facility required to have a permit under Code Section 12-8-66.

(3) Qualifying the property under this part would not violate the terms and conditions under which the division operates and administers remedial programs by delegation or similar authorization from the United States Environmental Protection Agency.
(4) Any lien filed under subsection (e) of Code Section 12-8-96 or subsection (b) of Code Section 12-13-12 against the property shall be satisfied or settled and released by the director pursuant to Code Section 12-8-94 or Code Section 12-13-6.

In order to be considered a participant under the VRP:
- (1) The participant must be the property owner of the voluntary remediation property or have express permission to enter another's property to perform corrective action.
- (2) The participant must not be in violation of any order, judgment, statute, rule, or regulation subject to the enforcement authority of the director.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I also certify that this property is eligible for the Voluntary Remediation Program (VRP) as defined in Code Section 12-8-105 and I am eligible as a participant as defined in Code Section 12-8-106.

APPLICANT'S SIGNATURE	Joan B. Sasine		
APPLICANT'S NAME/TITLE (PRINT)	Joan B. Sasine Special Assistant Attorney General	DATE	January 19, 2010

Mail completed Voluntary Remediation Plan Application Form and Checklist, Voluntary Remediation Plan, and $5,000 Application Fee to:

Georgia Hazardous Sites Response Program
VRP Coordinator, Suite 1462
2 Martin Luther King Jr. Drive, SE
Atlanta, GA 30334

QUALIFYING PROPERTY INFORMATION –PROPERTY #1			
TAX PARCEL ID	14-82-6-12	PROPERTY SIZE (ACRES)	9.4354 acres
PROPERTY ADDRESS	Northside Drive & John Street		
CITY	Atlanta		
LATITUDE	33° 45' 60" N	COUNTY	Fulton
PROPERTY OWNER(S)	Georgia Department of Economic Development on behalf of the State of Georgia	LONGITUDE	84° 24' 12" W
		PHONE #	(404) 223-4820
MAILING ADDRESS	285 Andrew Young International Boulevard		
CITY	Atlanta	STATE/ZIP	Georgia 30313

QUALIFYING PROPERTY INFORMATION –PROPERTY #2			
TAX PARCEL ID		PROPERTY SIZE (ACRES)	
PROPERTY ADDRESS			
CITY			
LATITUDE		COUNTY	
PROPERTY OWNER(S)		LONGITUDE	
MAILING ADDRESS		PHONE #	
CITY			
		STATE/ZIP	

QUALIFYING PROPERTY INFORMATION –PROPERTY #3			
TAX PARCEL ID		PROPERTY SIZE (ACRES)	
PROPERTY ADDRESS			
CITY			
LATITUDE		COUNTY	
PROPERTY OWNER(S)		LONGITUDE	
MAILING ADDRESS		PHONE #	
CITY			
		STATE/ZIP	

QUALIFYING PROPERTY INFORMATION –PROPERTY #4			
TAX PARCEL ID		PROPERTY SIZE (ACRES)	
PROPERTY ADDRESS			
CITY			
LATITUDE		COUNTY	
PROPERTY OWNER(S)		LONGITUDE	
MAILING ADDRESS		PHONE #	
CITY			
		STATE/ZIP	

Please add additional sheets as necessary to include all qualifying properties.

ITEM #	DESCRIPTION OF REQUIREMENT	Location in VRP (i.e. pg., Table #, Figure #, etc.)	For EPD Comment Only (leave Blank)
1	**$5,000 APPLICATION FEE** IN THE FORM OF A CHECK PAYABLE TO THE GEORGIA DEPARTMENT OF NATURAL RESOURCES.	Waiver Requested	
2	**WARRANTY DEED(S)** FOR EACH QUALIFYING PROPERTY(IES).	Legal descriptions contained in the CAPs, as amended	
3	**TAX PLAT** OR OTHER FIGURE INCLUDING QUALIFYING PROPERTY(IES) BOUNDARIES, ABUTTING PROPERTIES, AND TAX PARCEL IDENTIFICATION NUMBERS.	Figure 1-3 of the September 1, 2005 CSR	
4	**ONE (1) PAPER COPY AND TWO (2) COMPACT DISC (CD) COPIES** OF THE VOLUNTARY REMEDIATION PLAN IN A SEARCHABLE PORTABLE DOCUMENT FORMAT (PDF).	Approved CAPs and CSR in EPD File	
a	**TABLE OF REGULATED SUBSTANCES RELEASED** AT THE QUALIFYING PROPERTY.	Table 1-1 in the August 19, 2003 and September 1, 2005 CSRs	
b	**TABLE OF SITE DELINEATION CONCENTRATION** FOR EACH REGULATED SUBSTANCE ALONG WITH A REFERENCE TO THE SPECIFIC DELINEATION CRITERIA USED [i.e. 12-8-108(1)(A), 12-8-108(1)(B), 12-8-108(1)(C), 12-8-108(1)(D), OR 12-8-108(1)(E) FOR EACH REGULATED SUBSTANCE. CALCULATIONS FOR 12-8-108(1)(E) MUST BE INCLUDED TO DEMONSTRATE OTHER CRITERIA DO NOT EXCEED 12-8-108(1)(E)].	N.A. – entire site is impacted and was remediated to Type 5 RRS	
i	**SITE DELINEATION MAP** OF MINIMUM SCALE OF 1"= 200' AND VERTICAL CROSS-SECTIONS SHOWING DELINEATION OF REGULATED SUBSTANCES TO SITE DELINEATION CONCENTRATIONS HORIZONTALLY AND VERTICALLY, INCLUDING PROPERTY BOUNDARIES. SITE DELINEATION MAY NOT BE EXTRAPOLATED.	Figures 2-1, 2-3 and 2-4 of the August 19, 2003 and the September 1, 2005 CSRs	
c	**TABLE OF CLEANUP STANDARDS** FOR EACH REGULATED SUBSTANCE AND EACH MEDIA LISTED BELOW ALONG WITH A REFERENCE TO THE SPECIFIC CLEANUP STANDARD USED [i.e. DEFAULT TYPE 1 RRS, SITE SPECIFIC TYPE 2 RRS, DEFAULT TYPE 3 RRS, SITE SPECIFIC TYPE 4 RRS, OR TYPE 5 RRS]. COMPLETE CALCULATIONS MUST BE PROVIDED FOR EACH REGULATED SUBSTANCE IN EACH MEDIA.	Type 5 RRS determined by EPD contractor	
i	**SOURCE**	N.A.	
ii	**SOIL** (SOIL HORIZONS MUST BE SPECIFIED WHERE DEPTH-SPECIFIC SOIL CRITERIA ARE APPLIED)	N.A.	
iii	**GROUNDWATER** IF THE APPLICANT IS REQUESTING REMOVAL FROM THE HAZARDOUS SITE INVENTORY PURSUANT TO 12-8-107(g)(2), A NOTATION TO THAT EFFECT MUST BE INCLUDED IN THE TABLE.	N.A.	
iv	**VAPOR INTRUSION** (PLEASE REFER TO THE FOLLOWING LINK: http://www.epa.gov/epawaste/hazard/correctiveaction/eis/vapor/complete.pdf)	N.A.	
v	**SURFACE WATER** (INCLUDING ECOLOGICAL RISK ASSESSMENT (http://www.gaepd.org/Documents/hsraguideCSRRRS.html - Ecological))	N.A	
d	**CURRENT STATUS** OF QUALIFYING PROPERTY(IES)	p. viii of the August 19, 2003 CSR and p. x of the September 1, 2005 CSR	

ITEM #	DESCRIPTION OF REQUIREMENT	Location in VRP (i.e. pg., Table #, Figure #, etc.)	For EPD Comment Only (leave Blank)
i	**NARRATIVE AND TABULAR SUMMARY** OF ALL PERTINENT FIELD DATA AND THE RESULTS OF ALL FINAL LAB ANALYSES THAT ARE SUPPORTED BY SUFFICIENT QA/QC CONTROL DATA TO VALIDATE THE RESULTS. (NOTE: MOST RECENT GROUNDWATER DATA MUST HAVE BEEN COLLECTED WITHIN 6 MONTHS OF RECEIPT OF APPLICATION.)	Tables 4-2 and 4-3 of the August 19, 2003 CSR; p. 8 and Table 3 of the December 15, 2009 Monitoring & Maintenance Five Year Review Report	
ii	**MAPS AND VERTICAL CROSS-SECTIONS** OF APPROPRIATE SCALE DEPICTING CONCENTRATIONS FOR ALL REGULATED SUBSTANCES SUPERIMPOSED UPON SITE STRATIGRAPHIC FEATURES AND MONITORING WELLS. POINT OF DEMONSTRATION (POD) WELL MUST BE INCLUDED, IF APPLICABLE.	Figures in the August 19, 2003 and September 1, 2005 CSRs	
iii	**DESCRIPTION OF ANY HUMAN OR ENVIRONMENTAL RECEPTORS** WHO MAY HAVE BEEN OR COULD POTENTIALLY BE EXPOSED TO A RELEASE AT THE SITE.	p. 33 of the August 19, 2003 and September 1, 2005 CSR	
e	**MAP** (MINIMUM SCALE OF 1" = 200') OR LESS DEPICTING THE POTENTIOMETRIC SURFACE OF GROUNDWATER. POD WELL MUST BE INCLUDED, IF APPLICABLE.	N.A	
f	**FIGURE OF GROUNDWATER USAGE** (DRINKING, IRRIGATION, ETC.) **AND SURFACE WATER** (RECREATIONAL, FISHING, ETC.) WITHIN THE AREA OF THE RELEASE AND 1,000' DOWNGRADIENT.	N.A.	
g	**ENUMERATE AND DESCRIBE ACTIONS** PLANNED TO BRING THE QUALIFYING PROPERTY(IES) INTO COMPLIANCE WITH THE CLEANUP STANDARDS SPECIFIED IN 4.c. ABOVE. **IF UTILIZING REPRESENTATIVE CONCENTRATIONS,** DOCUMENTATION REGARDING THE EXPOSURE UNIT, EXPOSURE DURATION, EXPOSURE POINT CONCENTRATION, ETC. MUST BE INCLUDED.	Engineering and institutional controls already implemented	
h	**MODEL** FOR POINT OF EXPOSURE: APPLICANT MUST EITHER PROVIDE A COPY OF THE MODEL OR LICENSE FOR USE, OR PURCHASING INFORMATION (PURCHASE OF A MODEL WILL BE BILLED TO THE APPLICANT BY EPD) ALONG WITH A TABLE OF ALL INPUT AND OUTPUT PARAMETERS AND SUPPORTING DOCUMENTATION. A SENSITIVITY ANALYSIS MUST ALSO BE INCLUDED.	N.A.	
i	**MILESTONE SCHEDULE** INLCUDING SEMI-ANNUAL REPORTING AND SUBMITTAL OF A FINAL COMPLIANCE STATUS REPORT. GANTT CHART FORMAT PREFERRED.	CSR already approved	

j	**COST ESTIMATE** FOR IMPLEMENTING THE CORRECTIVE ACTION AND ANY CONTINUING ACTIONS SPECIFED IN THE VOLUNTARY REMEDIATION PLAN.	$13,780 per year	
k	**SIGNED AND SEALED PE/PG CERTIFICATION** AND SUPPORTING DOCUMENTATION: "I certify under penalty of law that this report and all attachments were prepared by me or under my direct supervision in accordance with the Voluntary Remediation Program Act (O.C.G.A. Section 12-8-101, et seq.). I am a professional engineer/professional geologist who is registered with the Georgia State Board of Registration for Professional Engineers and Land Surveyors/Georgia State Board of Registration for Professional Geologists and I have the necessary experience and am in charge of the investigation and remediation of this release of regulated substances. Furthermore, to document my direct oversight of the Voluntary Remediation Plan development, implementation of corrective action, and long term monitoring, I have attached a monthly summary of hours invoiced and description of services provided by me to the Voluntary Remediation Program participant since the previous submittal to the Georgia Environmental Protection Division. The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations." _____ _____ Printed Name and GA PE/PG Number Date _____ Signature and Stamp	**N.A.** (All reports were previously submitted and approved – see p. viii of the August 19, 2003 CSR and p. x of the September 1, 2005 CSR for Professional Engineer Statement)	

ITEM #3 – Tax Plat

Figure 1-3 of the September 1, 2005 CSR

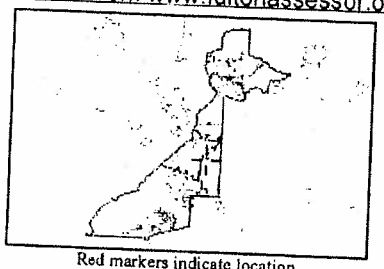
FIGURE 1-3

Report for Tax Digest 2005

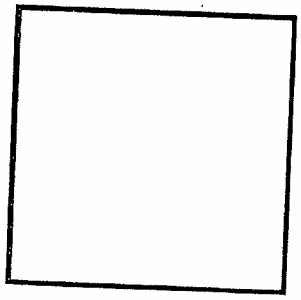
Tax Digest 2005

Tax Digest	2005
Parcel Id Number	14 -0082-0006-012-1
Property Address	JOHN ST
Owner Name	STATE OF GEORGIA
Mailing Address	270 WASHINGTON ST SW ATLANTA GA 30334
Tax District	05Z (Atlanta TAD)
Market Value	$ 0
Assessment	$ 0
City of Atlanta Tax Bill	$ .00
Fulton County Tax Bill	$ .00
City of Atlanta Taxes Due	$ .00
Fulton County Taxes Due	$ .00
City of Atlanta Exemption Code	
Fulton County Exemption Code	
City of Atlanta Exempt Amount	$ .00
Fulton County Exempt Amount	$ .00
Land Assessment	$ 0
Improvement Assessment	$ 0

More info from www.fultonassessor.org



Red markers indicate location of property in Fulton County



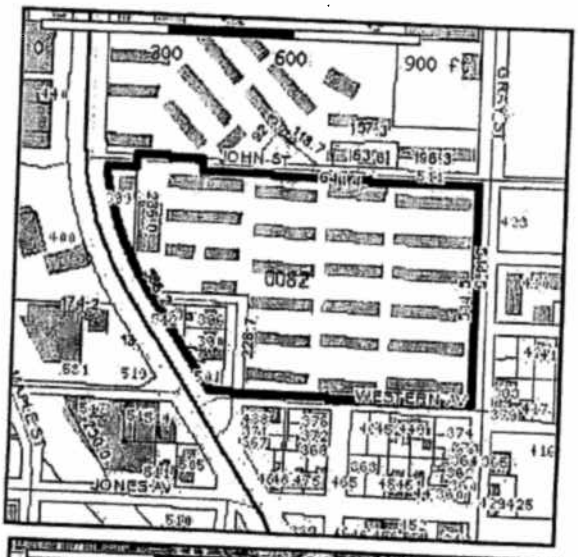


Image not available

Information provided by the
Fulton County Board of Assessors

ITEM #4.a – Table of Regulated Substances Released

Table 1-1 of the August 19, 2003 CSR

TABLE 1-1

Cleanup Criteria

Constituent	Cleanup Concentrations (mg/kg)
Arsenic	20 (III-2)
Chromium	234
Copper	2,902
Cyanide	1,564
Lead	400
Mercury	0.5 (III-2)
Zinc	23,464
Acenaphthene	4,693
Acenaphthylene	130 (NC)
Anthracene	23,464
Benzo (a) anthracene	12
Benzo (b) fluoranthene	12
Benzo (k) fluoranthene	125
Benzo (g, h, i) perylene	DL
Benzo (a) pyrene	1.6 (NC)
Bis (2-ethylhexyl) phthalate	652
Butylbenzylphthalate	15,643
Chrysene	1,235
Dibenz (a, h) anthracene	2 (Cancer)
Di-n-Butylphthalate	DL
Fluoranthene	3,129
Fluorene	3,129
Indeno (1,2,3-cd) pyrene	12
Napthalene	100 (NC)
Phenanthrene	110 (NC)
Pyrene	2,346

ITEM #4.a – Table of Regulated Substances Released

Table 1-1 of the September 1, 2005 CSR

TABLE 1-1

Cleanup Criteria

Constituent	Cleanup Concentrations (mg/kg)
Arsenic	20 (III-2)
Chromium	234
Copper	2,902
Cyanide	1,564
Lead	400
Mercury	0.5 (III-2)
Zinc	23,464
Acenaphthene	4,693
Acenaphthylene	130 (NC)
Anthracene	23,464
Benzo (a) anthracene	12
Benzo (b) fluoranthene	12
Benzo (k) fluoranthene	125
Benzo (g, h, i) perylene	DL
Benzo (a) pyrene	1.6 (NC)
Bis (2-ethylhexyl) phthalate	652
Butylbenzylphthalate	15,643
Chrysene	1,235
Dibenz (a, h) anthracene	2 (Cancer)
Di-n-Butylphthalate	DL
Fluoranthene	3,129
Fluorene	3,129
Indeno (1,2,3-cd) pyrene	12
Napthalene	100 (NC)
Phenanthrene	110 (NC)
Pyrene	2,346

ITEM #4.d – Current Status

p. viii of the August 19, 2003 CSR

Certification of Compliance with Risk Reduction Standards

I certify under penalty of law that this CSR was prepared under my direction in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations.

Based on my review of the findings of this report with respect to the risk reduction standards of the Rules for Hazardous Site Response, Rule 391-3-19-.07, I have determined that tax parcel No. 14-82-6-10 is in compliance with Type 5 Risk Reduction Standards.

Joan B. Sasine

Joan B. Sasine
Attorney for The Housing Authority of the City of Atlanta, Georgia

ITEM #4.d – Current Status

p. x of the September 1, 2005 CSR

Certification of Compliance with Risk Reduction Standards

I certify under penalty of law that this CSR was prepared under my direction in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations.

Based on my review of the findings of this report with respect to the risk reduction standards of the Rules for Hazardous Site Response, Rule 391-3-19-.07, I have determined that former Tax Parcel No. 14-82-6-3 is in compliance with Type 5 Risk Reduction Standards.

Joan B. Sasine

Joan B. Sasine
Special Assistant Attorney General

ITEM #4.b.i – Site Delineation Map

Figures 2-1, 2-3 and 2-4 of the August 19, 2003 and September 1, 2005 CSRs

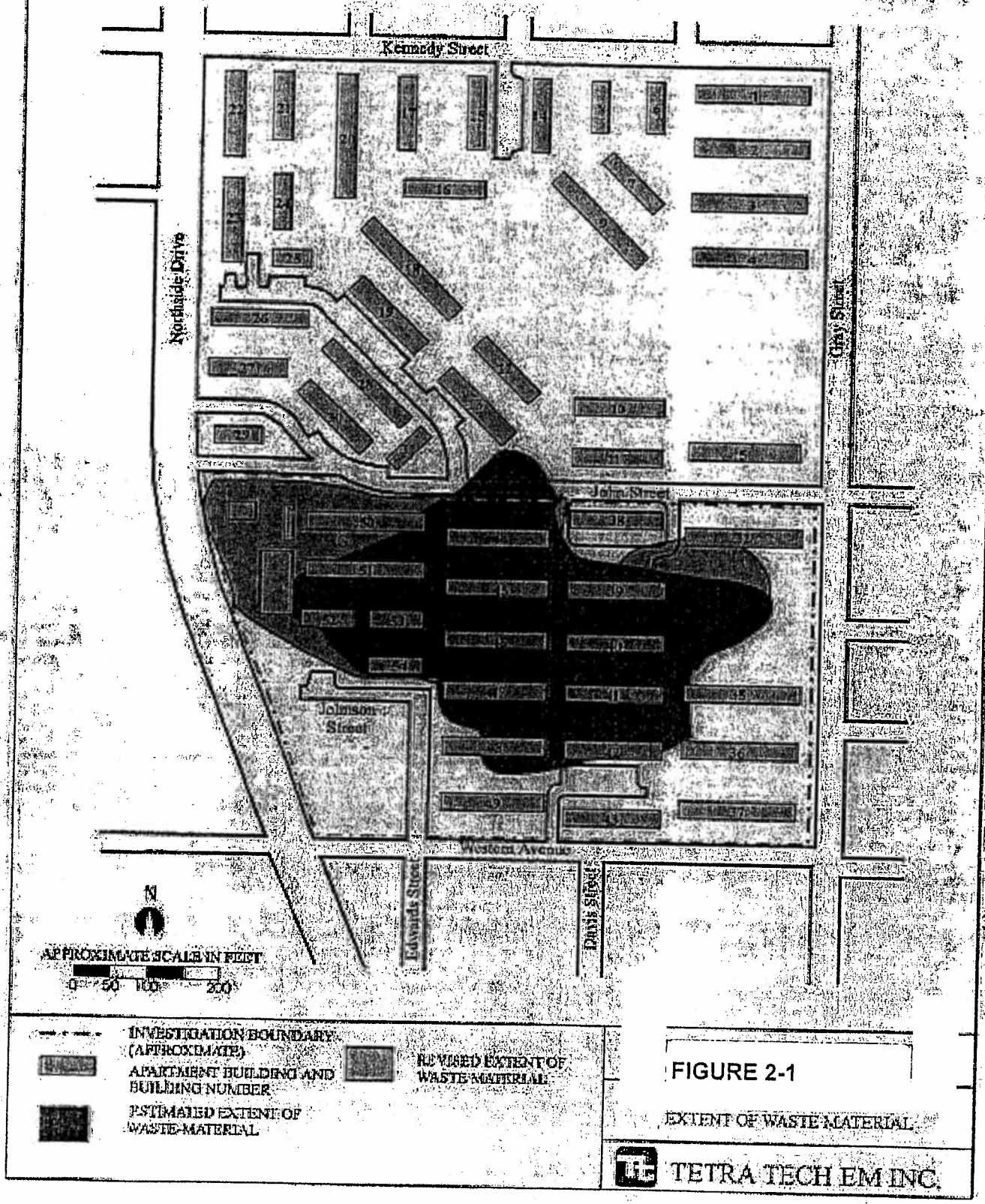


FIGURE 2-1

EXTENT OF WASTE MATERIAL

TETRA TECH EM INC.

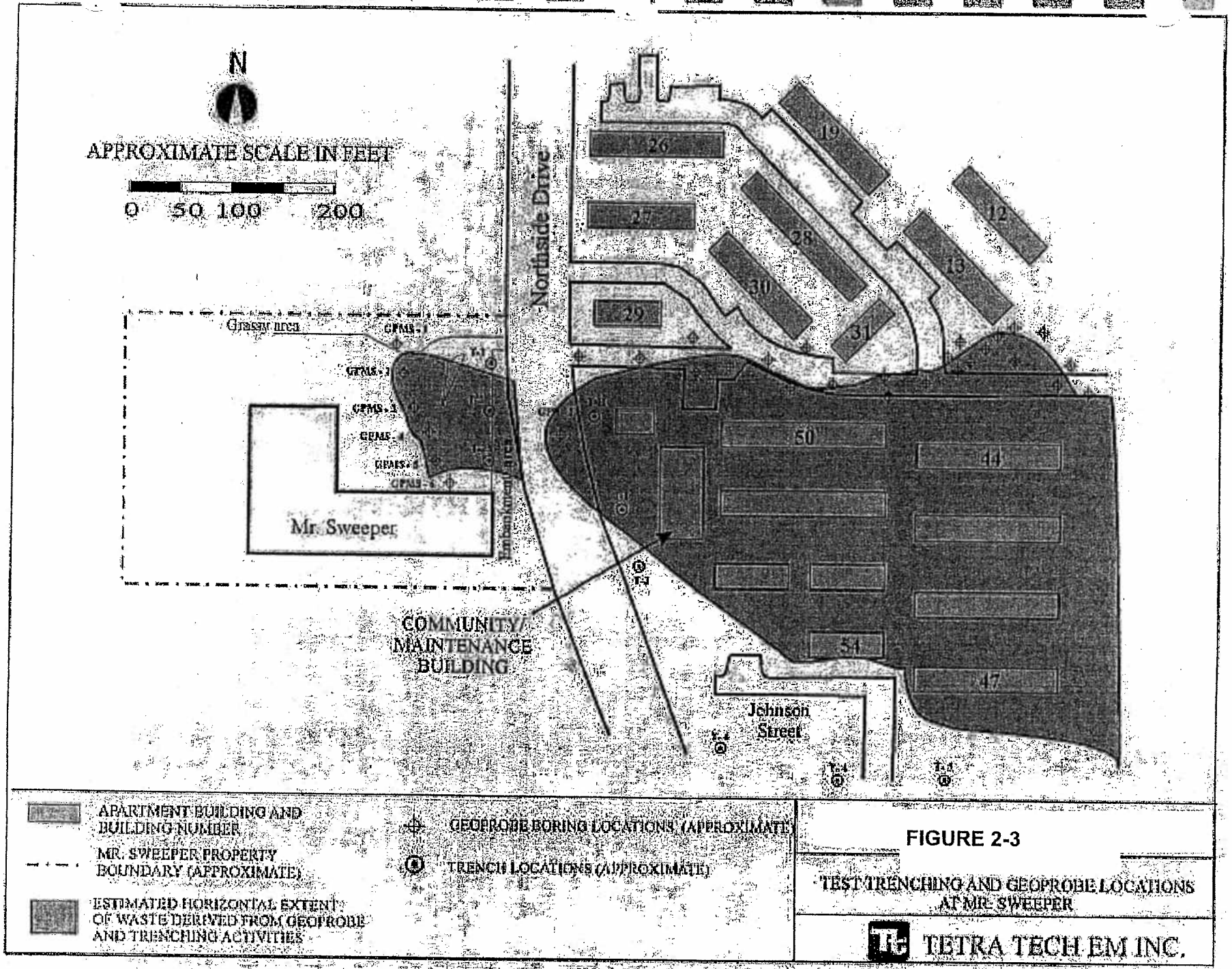
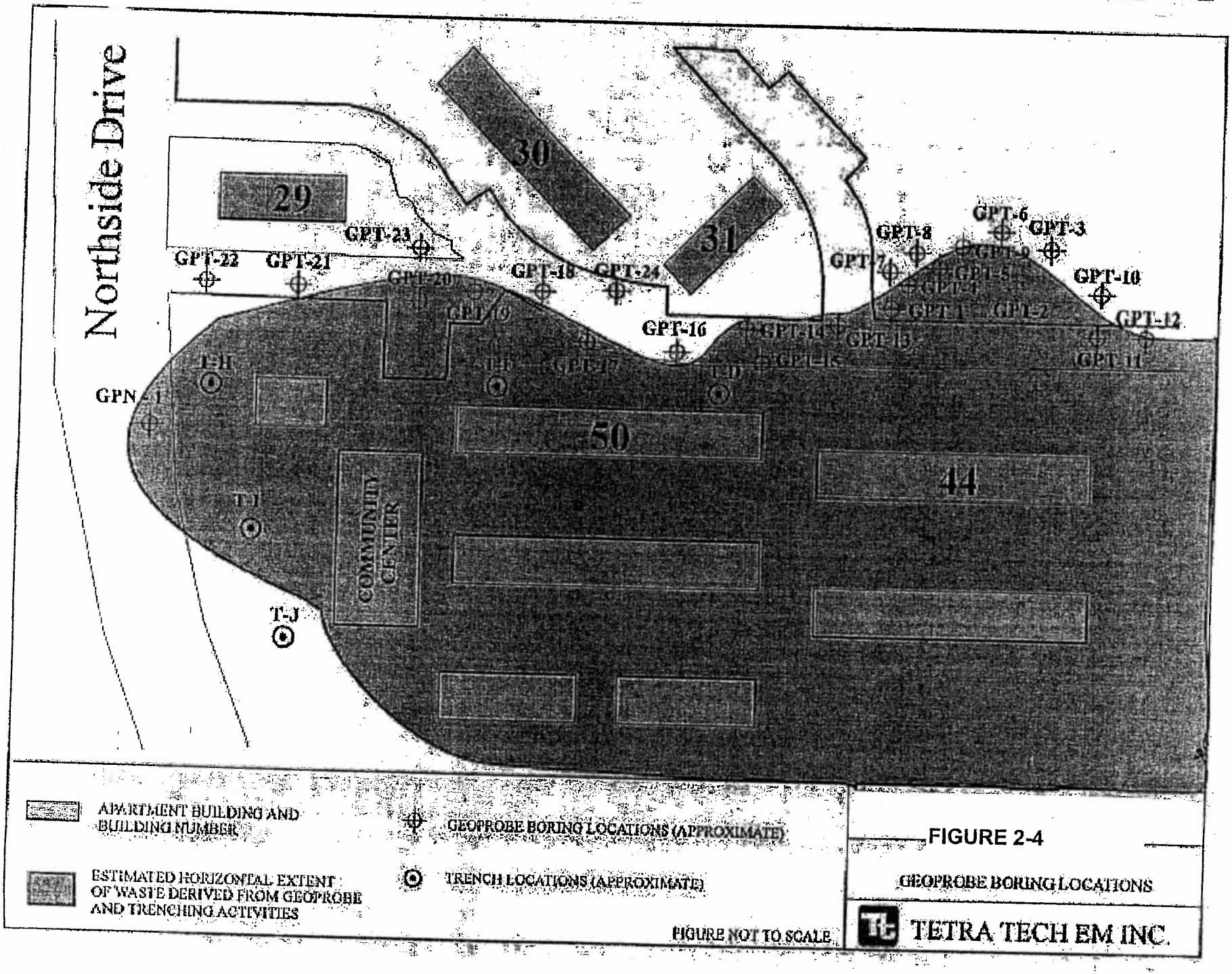


FIGURE 2-3

TEST TRENCHING AND GEOPROBE LOCATIONS AT MR. SWEEPER

TETRA TECH EM INC.


Northside Drive
30
29
31
50
44
COMMUNITY CENTER
GPT-23
GPT-22
GPT-21
GPT-20
GPT-18
GPT-24
GPT-19
GPT-16
GPT-17
GPT-14
GPT-15
GPT-13
GPT-8
GPT-6
GPT-3
GPT-9
GPT-7
GPT-5
GPT-4
GPT-1
GPT-2
GPT-10
GPT-12
GPT-11
T-H
T-I
T-D
GPN-1
T-J
APARTMENT BUILDING AND BUILDING NUMBER
GEOPROBE BORING LOCATIONS (APPROXIMATE)
ESTIMATED HORIZONTAL EXTENT OF WASTE DERIVED FROM GEOPROBE AND TRENCHING ACTIVITIES
TRENCH LOCATIONS (APPROXIMATE)
FIGURE NOT TO SCALE
FIGURE 2-4
GEOPROBE BORING LOCATIONS
TETRA TECH EM INC.

ITEM #4.d.i – Narrative And Tabular Summary

Tables 4-2 and 4-3 of the August 19, 2003 CSR

TABLE 4-2

Northside Drive Landfill
Confirmation Sample Results

Constituent	Cleanup Concentrations (mg/kg)	1	2	3	4	5	6	7
		NL-A13-CS-06	NL-A14-CS-06	NL-A16-G-06	NL-SW25-G-12	NL-SW24-G-12	NL-SW23-G-12	NL-SW25-G-6
Arsenic	20 (III-2)	<6.9	[redacted]	<6.8	<6.3	<6.1	<6.1	<6.5
Chromium	234	<6.9	<33	7.7	<6.3	<6.1	8.4 B	8.1 B
Copper	2,902	16	85	19	23	14	440	53
Cyanide	1,564	<0.53	<0.56	<0.54	<0.50	<0.49	<049	<0.52
Lead	400	<6.9	[redacted]	<6.8	26	<6.1	62	<6.5
Mercury	0.5 (III-2)	<0.28	<0.33	<0.27	<0.25	<0.24	<0.24	<0.26
Zinc	23,464	<140	<670	<140	<130	<120	150	<130
Acenaphthene	4,693	<0.460	<0.440	<0.450	<0.420	<0.410	<0.410	<0.430
Acenaphthylene	130 (NC)	<0.460	<0.440	<0.450	<0.420	<0.410	<0.410	<0.430
Anthracene	23,464	<0.460	<0.440	<0.450	<0.420	<0.410	<0.410	<0.430
Benzo(a)anthracene	12	<0.460	<0.440	<0.450	<0.420	<0.410	0.460	<0.430
Benzo(b)fluoranthene	12	<0.460	<0.440	<0.450	<0.420	<0.410	<0.410	<0.430
Benzo(k)fluoranthene	125	<0.460	<0.440	<0.450	<0.420	<0.410	<0.410	<0.430
Benzo(g,h,i)perylene	DL	<0.460	<0.440	<0.450	<0.420	<0.410	<0.410	<0.430
Benzo(a)pyrene	1.6 (NC)	<0.460	<0.440	<0.450	<0.420	<0.410	<0.410	<0.430
Bis(2-ethylhexyl)phthalate	652	<0.460	<0.440	<0.450	<0.420	<0.410	<0.410	<0.430
Butylbenzylphthalate	15,643	<0.460	<0.440	<0.450	<0.420	<0.410	<0.410	<0.430
Chrysene	1,235	<0.460	<0.440	<0.450	<0.420	<0.410	<0.410	<0.430
Dibenz(a,h)anthracene	2 (Cancer)	<0.460	<0.440	<0.450	<0.420	<0.410	<0.410	<0.430
Di-n-Butylphthalate	DL	<0.460	<0.440	<0.450	<0.420	<0.410	<0.410	<0.430
Fluoranthene	3,129	<0.460	<0.440	<0.450	<0.420	<0.410	<0.0410	<0.430
Fluorene	3,129	<0.460	<0.440	<0.450	<0.420	<0.410	0.560	<0.430
Indeno(1,2,3-cd)pyrene	12	<0.460	<0.440	<0.450	<0.420	<0.410	<0.410	<0.430
Napthalene	100 (NC)	<0.460	<0.440	<0.450	<0.420	<0.410	<0.410	<0.430
Phenanthrene	110 (NC)	<0.460	<0.440	<0.450	<0.420	<0.410	<0.410	<0.430
Pyrene	2,346	<0.460	<0.440	<0.450	<0.420	<0.410	0.490	<0.430
							0.530	<0.430

NL - Northside Drive Landfill
SW - Sidewall
G - Grab
CS - Composite

Northside Drive Landfill
Confirmation Sample Results

Constituent	Cleanup Concentrations (mg/kg)	8	9	10	11	12	13	14
		NL-SW24-G-6	NL-SW23-G-6	NL-SW2-G-8	NL-SW2-G-4	NL-SW3-G-5	NL-SW3-G-10	NL-SW4-G-16
Arsenic	20 (III-2)	<5.6	<5.9	<6.4	<6.2	<6.0	<6.9	<6.3
Chromium	234	<5.6	7.8	12	9.0	19	49	28
Copper	2,902	32	32	14	14	11	46	18
Cyanide	1,564	<0.45	<0.47	<0.51	<0.49	<0.48	<0.56	<0.51
Lead	400	69	<5.9	18	<6.2	<6.0	<6.9	18
Mercury	0.5 (III-2)	<0.22	<0.24	<0.26	<0.25	<0.24	<0.28	<0.25
Zinc	23,464	<110	<120	<130	<120	200	<140	<130
Acenaphthene	4,693	<0.370	<0.390	<0.430	<0.410	<0.400	<0.460	<0.420
Acenaphthylene	130 (NC)	<0.370	<0.390	<0.430	<0.410	<0.400	<0.460	<0.420
Anthracene	23,464	<0.370	<0.390	<0.430	<0.410	<0.400	<0.460	<0.420
Benzo(a)anthracene	12	<0.370	<0.390	<0.430	<0.410	<0.400	<0.460	<0.420
Benzo(b)fluoranthene	12	<0.370	<0.390	<0.430	<0.410	<0.400	<0.460	<0.420
Benzo(k)fluoranthene	125	<0.370	<0.390	<0.430	<0.410	<0.400	<0.460	<0.420
Benzo(g,h,i)perylene	DL	<0.370	<0.390	<0.430	<0.410	<0.400	<0.460	<0.420
Benzo(a)pyrene	1.6 (NC)	<0.370	<0.390	<0.430	<0.410	<0.400	<0.460	<0.420
Bis(2-ethylhexyl)phthalate	652	<0.370	<0.390	<0.430	<0.410	<0.400	<0.460	<0.420
Butylbenzylphthalate	15,643	<0.370	<0.390	<0.430	<0.410	<0.400	<0.460	<0.420
Chrysene	1,235	<0.370	<0.390	<0.430	<0.410	<0.400	<0.460	<0.420
Dibenz(a,h)anthracene	2 (Cancer)	<0.370	<0.390	<0.430	<0.410	<0.400	<0.460	<0.420
Di-n-Butylphthalate	DL	<0.370	<0.390	<0.430	<0.410	<0.400	<0.460	<0.420
Fluoranthene	3,129	<0.370	<0.390	<0.430	<0.410	<0.400	<0.460	<0.420
Fluorene	3,129	<0.370	<0.390	<0.430	<0.410	<0.400	<0.460	<0.420
Indeno(1,2,3-cd)pyrene	12	<0.370	<0.390	<0.430	<0.410	<0.400	<0.460	<0.420
Napthalene	100 (NC)	<0.370	<0.390	<0.430	<0.410	<0.400	<0.460	<0.420
Phenanthrene	110 (NC)	<0.370	<0.390	<0.430	<0.410	<0.400	<0.460	<0.420
Pyrene	2,346	<0.370	<0.390	<0.430	<0.410	<0.400	<0.460	<0.420

NL - Northside Drive Landfill
SW - Sidewall
G - Grab
CS - Composite

Northside Drive Landfill
Confirmation Sample Results

Constituent	Cleanup Concentrations (mg/kg)	15	16	17	18	19	20	21
		NL-SW5-G-10	NL-SW6-G-9.5	NL-SW7-G-13	NL-SW7-G-6	NL-SW15-G-6	NL-SW15-G-13	NL-SW8-G-10.5
Arsenic	20 (III-2)	<5.6	<8.8	<5.9	<5.5	<6.2	<6.3	<5.9
Chromium	234	15	16	<5.9	20	7.9	<6.3	27
Copper	2,902	82	50	24	160	50	25	57
Cyanide	1,564	<0.45	<0.0088	<0.0059	<0.0055	<0.49	<0.51	<0.47
Lead	400	200	<8.8	<5.9	[redacted]	38	<6.3	48
Mercury	0.5 (III-2)	<0.22	<0.35	<0.24	<0.28	[redacted]	<0.25	<0.24
Zinc	23,464	260	<180	120	560	<120	<130	<0.330
Acenaphthene	4,693	<0.370	<0.330	<0.330	<0.330	<0.410	<0.420	<0.330
Acenaphthylene	130 (NC)	<0.370	<0.330	<0.330	<0.330	<0.410	<0.420	<0.330
Anthracene	23,464	<0.370	<0.330	<0.330	<0.330	<0.410	<0.420	<0.330
Benzo(a)anthracene	12	<0.370	<0.330	<0.330	<0.330	<0.410	<0.420	<0.330
Benzo(b)fluoranthene	12	<0.370	<0.330	<0.330	<0.330	<0.410	<0.420	<0.330
Benzo(k)fluoranthene	125	<0.370	<0.330	<0.330	<0.330	<0.410	<0.420	<0.330
Benzo(g,h,i)perylene	DL	<0.370	<0.330	<0.330	<0.330	<0.410	<0.420	<0.330
Benzo(a)pyrene	1.6 (NC)	<0.370	<0.330	<0.330	<0.330	<0.410	<0.420	<0.330
Bis(2-ethylhexyl)phthalate	652	<0.370	<0.330	<0.330	<0.330	<0.410	<0.420	<0.330
Butylbenzylphthalate	15,643	<0.370	<0.330	<0.330	<0.330	<0.410	<0.420	<0.330
Chrysene	1,235	<0.370	<0.330	<0.330	<0.330	<0.410	<0.420	<0.330
Dibenz(a,h)anthracene	2 (Cancer)	<0.370	<0.330	<0.330	<0.330	<0.410	<0.420	<0.330
Di-n-Butylphthalate	DL	<0.370	<0.330	<0.330	<0.330	<0.410	<0.420	<0.330
Fluoranthene	3,129	<0.370	<0.330	<0.330	<0.330	<0.410	<0.420	<0.330
Fluorene	3,129	<0.370	<0.330	<0.330	0.420	0.420	<0.420	<0.330
Indeno(1,2,3-cd)pyrene	12	<0.370	<0.330	<0.330	<0.330	<0.410	<0.420	<0.330
Napthalene	100 (NC)	<0.370	<0.330	<0.330	<0.330	<0.410	<0.420	<0.330
Phenanthrene	110 (NC)	<0.370	<0.330	<0.330	<0.330	<0.410	<0.420	<0.330
Pyrene	2,346	<0.370	<0.330	<0.330	0.560	0.560	<0.420	0.400

NL - Northside Drive Landfill
SW - Sidewall
G - Grab
CS - Composite

Northside Drive Landfill
Confirmation Sample Results

Constituent	Cleanup Concentrations (mg/kg)	22	23	24	25	26	27	28
		NL-SW8-G-21	NL-SW9-G-12.5	NL-SW9-G-25	NL-SW10-G-12	NL-SW10-G-24	NL-SW11-G-11	NL-SW11-G-23
Arsenic	20 (III-2)	<6.8	<5.6	<5.7	<5.9	<7.2	<5.7	<6.0
Chromium	234	43	6	<5.7	33	<7.2	<5.7	6.0
Copper	2,902	19	7.3	5.7	19	<7.2	10	13
Cyanide	1,564	<0.54	<0.44	<0.45	<0.47	<0.58	<0.45	<0.48
Lead	400	<6.8	<5.6	<5.7	<5.9	<7.2	<5.7	<6.0
Mercury	0.5 (III-2)	<0.27	<0.22	<0.23	<0.24	<0.29	<0.23	<0.24
Zinc	23,464	<0.330	<0.330	<0.330	<0.330	<0.330	<110	<120
Acenaphthene	4,693	<0.330	<0.330	<0.330	<0.330	<0.330	<0.380	<0.400
Acenaphthylene	130 (NC)	<0.330	<0.330	<0.330	<0.330	<0.330	<0.380	<0.400
Anthracene	23,464	<0.330	<0.330	<0.330	<0.330	<0.330	<0.380	<0.400
Benzo(a)anthracene	12	<0.330	<0.330	<0.330	<0.330	<0.330	<0.380	<0.400
Benzo(b)fluoranthene	12	<0.330	<0.330	<0.330	<0.330	<0.330	<0.380	<0.400
Benzo(k)fluoranthene	125	<0.330	<0.330	<0.330	<0.330	<0.330	<0.380	<0.400
Benzo(g,h,i)perylene	DL	<0.330	<0.330	<0.330	<0.330	<0.330	<0.380	<0.400
Benzo(a)pyrene	1.6 (NC)	<0.330	<0.330	<0.330	<0.330	<0.330	<0.380	<0.400
Bis(2-ethylhexyl)phthalate	652	<0.330	<0.330	<0.330	<0.330	<0.330	<0.380	<0.400
Butylbenzylphthalate	15,643	<0.330	<0.330	<0.330	<0.330	<0.330	<0.380	<0.400
Chrysene	1,235	<0.330	<0.330	<0.330	<0.330	<0.330	<0.380	<0.400
Dibenz(a,h)anthracene	2 (Cancer)	<0.330	<0.330	<0.330	<0.330	<0.330	<0.380	<0.400
Di-n-Butylphthalate	DL	<0.330	<0.330	<0.330	<0.330	<0.330	<0.380	<0.400
Fluoranthene	3,129	<0.330	<0.330	<0.330	<0.330	<0.330	<0.380	<0.400
Fluorene	3,129	<0.330	<0.330	<0.330	<0.330	<0.330	<0.380	<0.400
Indeno(1,2,3-cd)pyrene	12	<0.330	<0.330	<0.330	<0.330	<0.330	<0.380	<0.400
Napthalene	100 (NC)	<0.330	<0.330	<0.330	<0.330	<0.330	<0.380	<0.400
Phenanthrene	110 (NC)	<0.330	<0.330	<0.330	<0.330	<0.330	<0.380	<0.400
Pyrene	2,346	<0.330	<0.330	<0.330	<0.330	<0.330	<0.380	<0.400

NL - Northside Drive Landfill
SW - Sidewall
G - Grab
CS - Composite

Northside Drive Landfill
Confirmation Sample Results

Constituent	Cleanup Concentrations (mg/kg)	29	30	31	32	33	34	35
		NL-SW12-G-9	NL-SW12-G-18	NL-SW7(2)-G-6	NL-A12-G-06	NL-B12-G-06	NL-SW13-G-3	NL-SW13-G-7
Arsenic	20 (III-2)	<6.1	<6.0	<5.6	<32	<6.3	<5.8	<5.7
Chromium	234	10	6.6	14	35	14	5.9	<5.7
Copper	2,902	35	43	11	33	24	16	21
Cyanide	1,564	<0.49	<0.48	<0.44	<0.51	<0.50	<0.47	<0.46
Lead	400	<6.1	50	<5.6	<32	<6.3	<5.8	<5.7
Mercury	0.5 (III-2)	<0.24	<0.24	<0.22	<0.25	<0.25	<0.23	<0.23
Zinc	23,464	200	140	<110	<630	160	<120	<110
Acenaphthene	4,693	<0.410	<0.400	<0.370	<0.420	<0.420	<0.390	<0.380
Acenaphthylene	130 (NC)	<0.410	<0.400	<0.370	<0.420	<0.420	<0.390	<0.380
Anthracene	23,464	<0.410	<0.400	<0.370	<0.420	<0.420	<0.390	<0.380
Benzo(a)anthracene	12	<0.410	<0.400	<0.370	<0.420	<0.420	<0.390	<0.380
Benzo(b)fluoranthene	12	<0.410	<0.400	<0.370	<0.420	<0.420	<0.390	<0.380
Benzo(k)fluoranthene	125	<0.410	<0.400	<0.370	<0.420	<0.420	<0.390	<0.380
Benzo(g,h,i)perylene	DL	<0.410	<0.400	<0.370	<0.420	<0.420	<0.390	<0.380
Benzo(a)pyrene	1.6 (NC)	<0.410	<0.400	<0.370	<0.420	<0.420	<0.390	<0.380
Bis(2-ethylhexyl)phthalate	652	<0.410	<0.400	<0.370	<0.420	<0.420	<0.390	<0.380
Butylbenzylphthalate	15,643	<0.410	<0.400	<0.370	<0.420	<0.420	<0.390	<0.380
Chrysene	1,235	<0.410	<0.400	<0.370	<0.420	<0.420	<0.390	<0.380
Dibenz(a,h)anthracene	2 (Cancer)	<0.410	<0.400	<0.370	<0.420	<0.420	<0.390	<0.380
Di-n-Butylphthalate	DL	<0.410	<0.400	<0.370	<0.420	<0.420	<0.390	<0.380
Fluoranthene	3,129	<0.410	<0.400	<0.370	<0.420	<0.420	<0.390	<0.380
Fluorene	3,129	<0.410	<0.400	<0.370	<0.420	<0.420	<0.390	<0.380
Indeno(1,2,3-cd)pyrene	12	<0.410	<0.400	<0.370	<0.420	<0.420	<0.390	<0.380
Napthalene	100 (NC)	<0.410	<0.400	<0.370	<0.420	<0.420	<0.390	<0.380
Phenanthrene	110 (NC)	<0.410	<0.400	<0.370	<0.420	<0.420	<0.390	<0.380
Pyrene	2,346	<0.410	<0.400	<0.370	<0.420	<0.420	<0.390	<0.380

NL - Northside Drive Landfill
SW - Sidewall
G - Grab
CS - Composite

Northside Drive Landfill
Confirmation Sample Results

Constituent	Cleanup Concentrations (mg/kg)	36	37	38	39	40	41	42
		NL-SW14-G-3	NL-SW14-G-7	NL-B14-G-06	NL-B15-G-06	NL-B16-G-06	NL-C15-G-06	NL-C16-G-06
Arsenic	20 (III-2)	<5.4	<5.8	<6.2	<7.0	<7.4	<5.9	<6.2
Chromium	234	<5.4	<5.8	<6.2	<7.0	<7.4	<5.9	<6.2
Copper	2,902	20	24	11	16	24	14	16
Cyanide	1,564	<0.43	<0.47	<0.49	<0.56	<0.59	<0.47	<0.49
Lead	400	<5.4	<5.8	<6.2	<7.0	<7.4	<5.9	<6.2
Mercury	0.5 (III-2)	<0.22	<0.23	<0.25	<0.28	<0.29	<0.24	<0.25
Zinc	23,464	<110	<120	<120	<140	<150	230	<120
Acenaphthene	4,693	<0.360	<0.390	<0.410	<0.470	<0.490	<0.390	<0.410
Acenaphthylene	130 (NC)	<0.360	<0.390	<0.410	<0.470	<0.490	<0.390	<0.410
Anthracene	23,464	<0.360	<0.390	<0.410	<0.470	<0.490	<0.390	<0.410
Benzo(a)anthracene	12	<0.360	<0.390	<0.410	<0.470	<0.490	<0.390	<0.410
Benzo(b)fluoranthene	12	<0.360	<0.390	<0.410	<0.470	<0.490	<0.390	<0.410
Benzo(k)fluoranthene	125	<0.360	<0.390	<0.410	<0.470	<0.490	<0.390	<0.410
Benzo(g,h,i)perylene	DL	<0.360	<0.390	<0.410	<0.470	<0.490	<0.390	<0.410
Benzo(a)pyrene	1.6 (NC)	<0.360	<0.390	<0.410	<0.470	<0.490	<0.390	<0.410
Bis(2-ethylhexyl)phthalate	652	<0.360	<0.390	<0.410	<0.470	<0.490	<0.390	<0.410
Butylbenzylphthalate	15,643	<0.360	<0.390	<0.410	<0.470	<0.490	<0.390	<0.410
Chrysene	1,235	<0.360	<0.390	<0.410	<0.470	<0.490	<0.390	<0.410
Dibenz(a,h)anthracene	2 (Cancer)	<0.360	<0.390	<0.410	<0.470	<0.490	<0.390	<0.410
Di-n-Butylphthalate	DL	<0.360	<0.390	<0.410	<0.470	<0.490	<0.390	<0.410
Fluoranthene	3,129	<0.360	<0.390	<0.410	<0.470	<0.490	<0.390	<0.410
Fluorene	3,129	<0.360	<0.390	<0.410	<0.470	<0.490	<0.390	<0.410
Indeno(1,2,3-cd)pyrene	12	<0.360	<0.390	<0.410	<0.470	<0.490	<0.390	<0.410
Napthalene	100 (NC)	<0.360	<0.390	<0.410	<0.470	<0.490	<0.390	<0.410
Phenanthrene	110 (NC)	<0.360	<0.390	<0.410	<0.470	<0.490	<0.390	<0.410
Pyrene	2,346	<0.360	<0.390	<0.410	<0.470	<0.490	<0.390	<0.410

NL - Northside Drive Landfill
SW - Sidewall
G - Grab
CS - Composite

Northside Drive Landfill
Confirmation Sample Results

Constituent	Cleanup Concentrations (mg/kg)	43	44	45	46	47	48	49
		NL-SW15(2)-G-6	NL-SW16-G-6	NL-SW16-G-12	NL-SW17-G-4	NL-SW17-G-10	NL-C18-G-06	NL-C17-G-06
Arsenic	20 (III-2)	NA	<6.0	<6.1	[redacted]	<7.6	<6.1	<6.7
Chromium	234	NA	<6.0	<6.1	<28	25	<6.1	<6.7
Copper	2,902	NA	13	19	[redacted]	390	10	15
Cyanide	1,564	NA	<0.48	<0.49	<0.45	<6.1	<0.49	<0.53
Lead	400	NA	<6.0	<6.1	[redacted]	[redacted]	<6.1	<6.7
Mercury	0.5 (III-2)	<0.29	<0.24	<0.24	[redacted]	[redacted]	<0.24	0.30
Zinc	23,464	NA	<120	<120	2,000	330	<120	<130
Acenaphthene	4,693	NA	<0.400	<0.410	<0.370	<0.500	<0.410	<0.450
Acenaphthylene	130 (NC)	NA	<0.400	<0.410	<0.370	<0.500	<0.410	<0.450
Anthracene	23,464	NA	<0.400	<0.410	<0.370	0.910	<0.410	<0.450
Benzo(a)anthracene	12	NA	<0.400	<0.410	<0.370	6.500	<0.410	<0.450
Benzo(b)fluoranthene	12	NA	<0.400	<0.410	<0.370	5.000	<0.410	<0.450
Benzo(k)fluoranthene	125	NA	<0.400	<0.410	<0.370	5.600	<0.410	<0.450
Benzo(g,h,i)perylene	DL	NA	<0.400	<0.410	<0.370	[redacted]	<0.410	<0.450
Benzo(a)pyrene	1.6 (NC)	NA	<0.400	<0.410	<0.370	[redacted]	<0.410	<0.450
Bis(2-ethylhexyl)phthalate	652	NA	<0.400	<0.410	<0.370	<0.500	<0.410	<0.450
Butylbenzylphthalate	15,643	NA	<0.400	<0.410	<0.370	<0.500	<0.410	<0.450
Chrysene	1,235	NA	<0.400	<0.410	<0.370	6.900	<0.410	<0.450
Dibenz(a,h)anthracene	2 (Cancer)	NA	<0.400	<0.410	<0.370	<0.500	<0.410	<0.450
Di-n-Butylphthalate	DL	NA	<0.400	<0.410	<0.370	<0.500	<0.410	<0.450
Fluoranthene	3,129	NA	<0.400	<0.410	<0.370	8.300	<0.410	<0.450
Fluorene	3,129	NA	<0.400	<0.410	<0.370	<0.500	<0.410	<0.450
Indeno(1,2,3-cd)pyrene	12	NA	<0.400	<0.410	<0.370	3.300	<0.410	<0.450
Napthalene	100 (NC)	NA	<0.400	<0.410	<0.370	0.670	<0.410	<0.450
Phenanthrene	110 (NC)	NA	<0.400	<0.410	<0.370	4.800	<0.410	<0.450
Pyrene	2,346	NA	<0.400	<0.410	<0.370	9.90	<0.410	<0.450

NL - Northside Drive Landfill
SW - Sidewall
G - Grab
CS - Composite

Northside Drive Landfill
Confirmation Sample Results

Constituent	Cleanup Concentrations (mg/kg)	50	51	52	53	54	55	56
		NL-SW18-G-4.5	NL-SW18-G-9	NL-B17-G-06	NL-C19-G-06	NL-SW19-G-3	NL-SW19-G-6	NL-SW20-G-4
Arsenic	20 (III-2)	<5.8	<6.2	<6.3	<6.3	<5.8	<5.9	<5.8
Chromium	234	<5.8	<6.2	9.2	<6.3	19	11	<5.8
Copper	2,902	57	17	37	12	43	32	5.9
Cyanide	1,564	<0.47	<0.49	<0.51	<0.51	<0.47	<0.47	<0.47
Lead	400	230	9.6	82	<6.3	<5.9	47	<5.8
Mercury	0.5 (III-2)	0.33	<0.25	<0.25	<0.25	<0.23	[redacted]	<0.23
Zinc	23,464	650	<120	290	<130	<120	140	<120
Acenaphthene	4,693	<0.390	<0.410	<0.420	<0.420	<0.390	<0.390	<0.390
Acenaphthylene	130 (NC)	<0.390	<0.410	<0.420	<0.420	<0.390	<0.390	<0.390
Anthracene	23,464	<0.390	<0.410	<0.420	<0.420	<0.390	<0.390	<0.390
Benzo(a)anthracene	12	<0.390	<0.410	<0.420	<0.420	<0.390	<0.390	<0.390
Benzo(b)fluoranthene	12	<0.390	<0.410	<0.420	<0.420	<0.390	<0.390	<0.390
Benzo(k)fluoranthene	125	<0.390	<0.410	<0.420	<0.420	<0.390	<0.390	<0.390
Benzo(g,h,i)perylene	DL	<0.390	<0.410	<0.420	<0.420	<0.390	<0.390	<0.390
Benzo(a)pyrene	1.6 (NC)	<0.390	<0.410	<0.420	<0.420	<0.390	<0.390	<0.390
Bis(2-ethylhexyl)phthalate	652	<0.390	<0.410	<0.420	<0.420	<0.390	<0.390	<0.390
Butylbenzylphthalate	15,643	<0.390	<0.410	<0.420	<0.420	<0.390	<0.390	<0.390
Chrysene	1,235	<0.390	<0.410	<0.420	<0.420	<0.390	<0.390	<0.390
Dibenz(a,h)anthracene	2 (Cancer)	<0.390	<0.410	<0.420	<0.420	<0.390	<0.390	<0.390
Di-n-Butylphthalate	DL	<0.390	<0.410	<0.420	<0.420	<0.390	<0.390	<0.390
Fluoranthene	3,129	<0.390	<0.410	<0.420	<0.420	<0.390	<0.390	<0.390
Fluorene	3,129	<0.390	<0.410	<0.420	<0.420	<0.390	<0.390	<0.390
Indeno(1,2,3-cd)pyrene	12	<0.390	<0.410	<0.420	<0.420	<0.390	<0.390	<0.390
Napthalene	100 (NC)	<0.390	<0.410	<0.420	<0.420	<0.390	<0.390	<0.390
Phenanthrene	110 (NC)	<0.390	<0.410	<0.420	<0.420	<0.390	<0.390	<0.390
Pyrene	2,346	0.420	<0.410	<0.420	<0.420	<0.390	<0.390	<0.390

NL - Northside Drive Landfill
SW - Sidewall
G - Grab
CS - Composite

Northside Drive Landfill
Confirmation Sample Results

Constituent	Cleanup Concentrations (mg/kg)	57	58	59	60	61	62	63
		NL-SW20-G-8	NL-B20-G-06	NL-A21-G-06	NL-B21-G-06	NL-SW22-G-16	NL-SW23-G-14	NL-SW24-G-7
Arsenic	20 (III-2)	<6.3	<6.8	<6.5	<7.5	<6.4	<6.2	<5.7
Chromium	234	<6.3	<6.8	<6.5	<7.5	43	9.4	13
Copper	2,902	8.5	8.4	7.1	<7.5	130	200	500
Cyanide	1,564	<0.50	<0.55			<0.40	<0.40	<0.40
Lead	400	<6.3	<6.8	<6.5	<7.5	[redacted]	[redacted]	[redacted]
Mercury	0.5 (III-2)	<0.25	<0.27	<0.26	<0.30	[redacted]	[redacted]	[redacted]
Zinc	23,464	<130	<140	<130	<150	1,400	450	<110
Acenaphthene	4,693	<0.420	<0.460	<0.430	<0.500	<0.430	<0.410	<0.380
Acenaphthylene	130 (NC)	<0.420	<0.460	<0.430	<0.500	<0.430	<0.410	<0.380
Anthracene	23,464	<0.420	<0.460	<0.430	<0.500	<0.430	<0.410	<0.380
Benzo(a)anthracene	12	<0.420	<0.460	<0.430	<0.500	<0.430	0.720	<0.380
Benzo(b)fluoranthene	12	<0.420	<0.460	<0.430	<0.500	<0.430	<0.580	<0.380
Benzo(k)fluoranthene	125	<0.420	<0.460	<0.430	<0.500	<0.430	0.550	<0.380
Benzo(g,h,i)perylene	DL	<0.420	<0.460	<0.430	<0.500	<0.430	<0.410	<0.380
Benzo(a)pyrene	1.6 (NC)	<0.420	<0.460	<0.430	<0.500	<0.430	0.620	<0.380
Bis(2-ethylhexyl)phthalate	652	<0.420	<0.460	<0.430	<0.500	<0.430	<0.410	<0.380
Butylbenzylphthalate	15,643	<0.420	<0.460	<0.430	<0.500	<0.430	<0.410	<0.380
Chrysene	1,235	<0.420	<0.460	<0.430	<0.500	<0.430	0.750	<0.380
Dibenz(a,h)anthracene	2 (Cancer)	<0.420	<0.460	<0.430	<0.500	<0.430	<0.410	<0.380
Di-n-Butylphthalate	DL	<0.420	<0.460	<0.430	<0.500	<0.430	<0.410	<0.380
Fluoranthene	3,129	<0.420	<0.460	<0.430	<0.500	<0.430	1.500	<0.380
Fluorene	3,129	<0.420	<0.460	<0.430	<0.500	<0.430	<0.410	<0.380
Indeno(1,2,3-cd)pyrene	12	<0.420	<0.460	<0.430	<0.500	<0.430	<0.410	<0.380
Napthalene	100 (NC)	<0.420	<0.460	<0.430	<0.500	<0.430	<0.410	<0.380
Phenanthrene	110 (NC)	<0.420	<0.460	<0.430	<0.500	<0.430	0.940	0.510
Pyrene	2,346	<0.420	<0.460	<0.430	<0.500	0.500	1.400	<0.380

NL - Northside Drive Landfill
SW - Sidewall
G - Grab
CS - Composite

Northside Drive Landfill
Confirmation Sample Results

Constituent	Cleanup Concentrations (mg/kg)	64	65	66	67	68	69	70
		NL-A23-G-06	NL-SW22-G-8	NL-SW23-G-7	NL-SW24-G-3	NL-SW21-G-5	NL-SW21-G-10	NL-C19(2)-G-06
Arsenic	20 (III-2)	<7.0	[redacted]	<7.6	6.7	[redacted]	<5.6	<6.3
Chromium	234	<7.0	<40	39	22	<31	9	<6.3
Copper	2,902	62	1,800	1,000	350	550	120	37
Cyanide	1,564	<0.40	<0.40	<0.40	<0.40	0.48	<0.40	NA
Lead	400	<7.0	[redacted]	[redacted]	[redacted]	[redacted]	310	<6.3
Mercury	0.5 (III-2)	<0.28	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	<0.25
Zinc	23,464	<140	3,300	4,300	160	1,200	150	<130
Acenaphthene	4,693	<0.470	<0.540	<0.500	<0.380	<0.420	<0.330	NA
Acenaphthylene	130 (NC)	<0.470	<0.540	<0.500	<0.380	<0.420	<0.330	NA
Anthracene	23,464	<0.470	<0.540	<0.500	<0.380	<0.420	<0.330	NA
Benzo(a)anthracene	12	<0.470	1.100	<0.500	<0.380	<0.420	<0.330	NA
Benzo(b)fluoranthene	12	<0.470	0.950	<0.500	<0.380	0.460	<0.330	NA
Benzo(k)fluoranthene	125	<0.470	0.830	<0.500	<0.380	0.440	<0.330	NA
Benzo(g,h,i)perylene	DL	<0.470	[redacted]	<0.500	<0.380	<0.420	<0.330	NA
Benzo(a)pyrene	1.6 (NC)	<0.470	1.000	<0.500	<0.380	0.500	<0.330	NA
Bis(2-ethylhexyl)phthalate	652	<0.470	<0.540	<0.500	<0.380	<0.420	<0.330	NA
Butylbenzylphthalate	15,643	<0.470	<0.540	<0.500	<0.380	<0.420	<0.330	NA
Chrysene	1,235	<0.470	1.200	<0.500	<0.380	0.470	<0.330	NA
Dibenz(a,h)anthracene	2 (Cancer)	<0.470	<0.540	<0.500	<0.380	<0.420	<0.330	NA
Di-n-Butylphthalate	DL	<0.470	<0.540	<0.500	<0.380	<0.420	<0.330	NA
Fluoranthene	3,129	<0.470	2.100	<0.500	<0.380	0.600	<0.330	NA
Fluorene	3,129	<0.470	<0.540	<0.500	<0.380	<0.420	<0.330	NA
Indeno(1,2,3-cd)pyrene	12	<0.470	<0.540	<0.500	<0.380	<0.420	<0.330	NA
Napthalene	100 (NC)	<0.470	<0.540	<0.500	<0.380	<0.420	<0.330	NA
Phenanthrene	110 (NC)	<0.470	<0.540	<0.500	<0.380	<0.420	<0.330	NA
Pyrene	2,346	<0.470	2.700	<0.500	0.400	0.650	<0.330	NA

NL - Northside Drive Landfill
SW - Sidewall
G - Grab
CS - Composite

Northside Drive Landfill
Confirmation Sample Results

Constituent	Cleanup Concentrations (mg/kg)	71	72	73	74	75	76	77
		NL-SW19(2)-G-8	NL-SW17-G-4	NL-SW17-G-7	NL-SW18-G-5	NL-SW18-G-10	NL-17/18-G-06	NL-SW22-G-6
Arsenic	20 (III-2)	NA	<6.1	<6.1	<6.1	<6.7	<5.8	<6.0
Chromium	234	NA	<6.1	<6.1	<6.1	8	<5.8	12
Copper	2,902	NA	11	47	19	7.5	7.5	11
Cyanide	1,564	NA	<1.2	<1.0	<1.2	<1.3	<1.2	<1.0
Lead	400	NA	<6.1	52	<6.1	<6.7	<5.8	15
Mercury	0.5 (III-2)	<0.20	<0.24	<0.24	<0.24	<0.25	0.25	0.3
Zinc	23,464	NA	<120	300	<120	<130	150	<120
Acenaphthene	4,693	NA	<0.400	<0.400	<0.410	<0.440	<0.400	<0.330
Acenaphthylene	130 (NC)	NA	<0.400	<0.400	<0.410	<0.440	<0.400	<0.330
Anthracene	23,464	NA	<0.400	<0.400	<0.410	<0.440	<0.400	<0.330
Benzo(a)anthracene	12	NA	<0.400	<0.400	<0.410	<0.440	<0.400	<0.330
Benzo(b)fluoranthene	12	NA	<0.400	<0.400	<0.410	<0.440	<0.400	<0.330
Benzo(k)fluoranthene	125	NA	<0.400	<0.400	<0.410	<0.440	<0.400	<0.330
Benzo(g,h,i)perylene	DL	NA	<0.400	<0.400	<0.410	<0.440	<0.400	<0.330
Benzo(a)pyrene	1.6 (NC)	NA	<0.400	<0.400	<0.410	<0.440	<0.400	<0.330
Bis(2-ethylhexyl)phthalate	652	NA	<0.400	<0.400	<0.410	<0.440	<0.400	<0.330
Butylbenzylphthalate	15,643	NA	<0.400	<0.400	<0.410	<0.440	<0.400	<0.330
Chrysene	1,235	NA	<0.400	<0.400	<0.410	<0.440	<0.400	<0.330
Dibenz(a,h)anthracene	2 (Cancer)	NA	<0.400	<0.400	<0.410	<0.440	<0.400	<0.330
Di-n-Butylphthalate	DL	NA	<0.400	<0.400	<0.410	<0.440	<0.400	<0.330
Fluoranthene	3,129	NA	<0.400	<0.400	<0.410	<0.440	<0.400	<0.330
Fluorene	3,129	NA	<0.400	<0.400	<0.410	<0.440	<0.400	<0.330
Indeno(1,2,3-cd)pyrene	12	NA	<0.400	<0.400	<0.410	<0.440	<0.400	<0.330
Napthalene	100 (NC)	NA	<0.400	<0.400	<0.410	<0.440	<0.400	<0.330
Phenanthrene	110 (NC)	NA	<0.400	<0.400	<0.410	<0.440	<0.400	<0.330
Pyrene	2,346	NA	<0.400	<0.400	<0.410	<0.440	<0.400	<0.330

NL - Northside Drive Landfill
SW - Sidewall
G - Grab
CS - Composite

Northside Drive Landfill
Confirmation Sample Results

Constituent	Cleanup Concentrations (mg/kg)	78	79	80	81	82	83	84
		NL-SW22-G-12	NL-SW23-G-6	NL-SW23-G-12	NL-SW24-G-6	NL-SW24-G-12	NL-SW25-G-5	NL-SW25-G-10
Arsenic	20 (III-2)	<6.3	<6.1	<6.4	[illegible]	[illegible]	<6.5	<7.5
Chromium	234	13	11	<6.4	<70	140	37	[illegible]
Copper	2,902	9.7	38	9.9	1500	250	500	320
Cyanide	1,564	<1.1	<1.1	<1.1	<1.3	<1.5	<1.2	<1.4
Lead	400	<6.3	52	<6.4	[illegible]	[illegible]	[illegible]	[illegible]
Mercury	0.5 (III-2)	<0.25	0.48	<0.26	[illegible]	[illegible]	[illegible]	[illegible]
Zinc	23,464	<130	<120	<130	2600	1200	1300	710
Acenaphthene	4,693	<0.330	<0.330	<0.330	<0.430	<0.630	<0.400	<0.490
Acenaphthylene	130 (NC)	<0.330	<0.330	<0.330	<0.430	<0.630	<0.400	<0.490
Anthracene	23,464	<0.330	<0.330	1.000	<0.430	<0.630	<0.400	<0.490
Benzo(a)anthracene	12	<0.330	<0.330	2.300	<0.430	<0.630	<0.400	0.720
Benzo(b)fluoranthene	12	<0.330	<0.330	1.100	<0.430	<0.630	<0.400	0.690
Benzo(k)fluoranthene	125	<0.330	<0.330	1.400	<0.430	<0.630	<0.400	0.640
Benzo(g,h,i)perylene	DL	<0.330	<0.330	[illegible]	<0.430	<0.630	<0.400	[illegible]
Benzo(a)pyrene	1.6 (NC)	<0.330	<0.330	[illegible]	<0.430	<0.630	<0.400	0.840
Bis(2-ethylhexyl)phthalate	652	<0.330	<0.330	<0.330	<0.430	<0.630	<0.400	<0.490
Butylbenzylphthalate	15,643	<0.330	<0.330	<0.330	<0.430	<0.630	<0.400	<0.490
Chrysene	1,235	<0.330	<0.330	2.000	<0.430	<0.630	<0.400	0.500
Dibenz(a,h)anthracene	2 (Cancer)	<0.330	<0.330	0.400	<0.430	<0.630	<0.400	<0.490
Di-n-Butylphthalate	DL	<0.330	<0.330	<0.330	<0.430	<0.630	<0.400	<0.490
Fluoranthene	3,129	<0.330	<0.330	5.200	<0.430	<0.630	<0.400	1.100
Fluorene	3,129	<0.330	<0.330	<0.330	<0.430	<0.630	<0.400	<0.490
Indeno(1,2,3-cd)pyrene	12	<0.330	<0.330	0.640	<0.430	<0.630	<0.400	<0.490
Napthalene	100 (NC)	<0.330	<0.330	<0.330	<0.430	<0.630	<0.400	0.730
Phenanthrene	110 (NC)	<0.330	<0.330	3.600	<0.430	<0.630	<0.400	<0.490
Pyrene	2,346	<0.330	<0.330	3.800	<0.430	<0.630	<0.400	<0.490

NL - Northside Drive Landfill
SW - Sidewall
G - Grab
CS - Composite

TABLE 4-3

Sample Collection Data

Sample ID	Date and Time of Collection		Analyses
NL-A13-CS-06	06/06/02	15:00	SVOC, Metals, CN-
NL-A14-CS-06	06/06/02	17:00	SVOC, Metals, CN-
NL-A16-G-06	06/07/02	13:50	SVOC, Metals, CN-
NL-SW25-G-12	06/14/02	15:10	SVOC, Metals, CN-
NL-SW24-G-12	06/14/02	15:15	SVOC, Metals, CN-
NL-SW23-G-12	06/14/02	15:20	SVOC, Metals, CN-
NL-SW25-G-6	06/14/02	15:25	SVOC, Metals, CN-
NL-SW24-G-6	06/17/02	14:20	SVOC, Metals, CN-
NL-SW23-G-6	06/17/02	14:30	SVOC, Metals, CN-
NL-SW2-G-8	07/02/02	14:10	SVOC, Metals, CN-
NL-SW2-G-4	07/02/02	14:15	SVOC, Metals, CN-
NL-SW3-G-5	07/02/02	15:20	SVOC, Metals, CN-
NL-SW3-G-10	07/02/02	15:10	SVOC, Metals, CN-
NL-SW4-G-16	07/03/02	15:40	SVOC, Metals, CN-
NL-SW5-G-10	07/09/02	15:50	SVOC, Metals, CN-
NL-SW6-G-9.5	07/09/02	16:00	SVOC, Metals, CN-
NL-SW7-G-13	07/09/02	16:10	SVOC, Metals, CN-
NL-SW7-G-6	07/09/02	16:15	SVOC, Metals, CN-
NL-SW15-G-6	07/10/02	13:50	SVOC, Metals, CN-
NL-SW15-G-13	07/10/02	14:00	SVOC, Metals, CN-
NL-DUP1-G	07/10/02	14:05	SVOC, Metals, CN-
NL-SW8-G-10.5	07/12/02	11:45	SVOC, Metals, CN-
NL-SW8-G-21	07/12/02	11:00	SVOC, Metals, CN-
NL-SW9-G-12.5	07/12/02	11:35	SVOC, Metals, CN-
NL-SW9-G-25	07/12/02	11:10	SVOC, Metals, CN-
NL-SW10-G-12	07/12/02	11:30	SVOC, Metals, CN-
NL-SW10-G-24	07/12/02	11:20	SVOC, Metals, CN-
NL-SW11-G-11	07/12/02	17:25	SVOC, Metals, CN-
NL-SW11-G-23	07/12/02	17:15	SVOC, Metals, CN-
NL-SW12-G-9	07/12/02	17:10	SVOC, Metals, CN-
NL-SW12-G-18	07/12/02	17:05	SVOC, Metals, CN-
NL-A12-G-06	07/12/02	17:40	SVOC, Metals, CN-
NL-B12-G-06	07/12/02	17:50	SVOC, Metals, CN-
NL-SW7(2)-G-6	07/15/02	15:35	SVOC, Metals, CN-
NL-SW13-G-3	07/18/02	14:15	SVOC, Metals, CN-
NL-SW13-G-7	07/18/02	14:25	SVOC, Metals, CN-
NL-SW14-G-3	07/18/02	14:30	SVOC, Metals, CN-
NL-SW14-G-7	07/18/02	14:35	SVOC, Metals, CN-
NL-B13-G-06	07/18/02	14:40	SVOC, Metals, CN-

NL-B15-G-06	07/19/02	13:35	SVOC, Metals, CN-
NL-B16-G-06	07/19/02	13:50	SVOC, Metals, CN-
NL-C15-G-06	07/19/02	13:40	SVOC, Metals, CN-
NL-C16-G-06	07/19/02	13:45	SVOC, Metals, CN-
NL-DUP2-G-06	07/19/02	13:55	SVOC, Metals, CN-
NL-SW15(2)-G-6	07/25/02	09:55	Hg
NL-SW16-G-6	07/31/02	14:30	SVOC, Metals, CN-
NL-SW16-G-12	07/31/02	14:35	SVOC, Metals, CN-
NL-SW17-G-4	08/02/02	16:00	SVOC, Metals, CN-
NL-SW17-G-10	08/02/02	16:05	SVOC, Metals, CN-
NL-C18-G-06	08/05/02	13:40	SVOC, Metals, CN-
NL-C17-G-06	08/05/02	13:50	SVOC, Metals, CN-
NL-SW18-G-4.5	08/05/02	13:55	SVOC, Metals, CN-
NL-SW18-G-9	08/05/02	14:00	SVOC, Metals, CN-
NL-B17-G-06	08/05/02	14:20	SVOC, Metals, CN-
NL-C19-G-06	08/06/02	14:20	SVOC, Metals, CN-
NL-SW19-G-3	08/06/02	14:25	SVOC, Metals, CN-
NL-SW19-G-6	08/06/02	14:30	SVOC, Metals, CN-
NL-SW20-G-4	08/07/02	14:45	SVOC, Metals, CN-
NL-SW20-G-8	08/07/02	14:55	SVOC, Metals, CN-
NL-B20-G-06	08/07/02	15:00	SVOC, Metals, CN-
NL-A21-G-06	08/08/02	13:35	SVOC, Metals, CN-
NL-B21-G-06	08/08/02	13:40	SVOC, Metals, CN-
NL-DUP3-G-06	08/08/02	13:50	SVOC, Metals, CN-
NL-SW22-G-16	08/13/02	14:35	SVOC, Metals, CN-
NL-SW23-G-14	08/13/02	14:45	SVOC, Metals, CN-
NL-SW24-G-7	08/13/02	14:50	SVOC, Metals, CN-
NL-A23-G-06	08/13/02	14:55	SVOC, Metals, CN-
NL-SW22-G-8	08/13/02	15:05	SVOC, Metals, CN-
NL-SW23-G-7	08/13/02	15:10	SVOC, Metals, CN-
NL-SW24-G-3	08/13/02	15:15	SVOC, Metals, CN-
NL-SW21-G-5	08/13/02	15:25	SVOC, Metals, CN-
NL-SW21-G-10	08/13/02	15:30	SVOC, Metals, CN-
NL-C19(2)-G-06†	08/13/02	15:35	SVOC, Metals, CN-
NL-SW19(2)-G-8	08/15/02	16:00	Hg
NL-SW17-G-4	12/06/02	15:40	SVOC, Metals, CN-
NL-SW17-G-7	12/06/02	14:45	SVOC, Metals, CN-
NL-SW18-G-5	12/06/02	15:55	SVOC, Metals, CN-
NL-SW18-G-10	12/06/02	16:00	SVOC, Metals, CN-
NL-17/18-G-06	12/06/02	15:50	SVOC, Metals, CN-
NL-SW22-G-6	12/16/02	11:55	SVOC, Metals, CN-
NL-SW22-G-12	12/16/02	11:50	SVOC, Metals, CN-

NL-SW23-G-6	12/16/02	14:25	SVOC, Metals, CN-
NL-SW23-G-12	12/16/02	14:30	SVOC, Metals, CN-
NL-SW24-G-6	12/19/02	15:15	SVOC, Metals, CN-
NL-SW24-G-12	12/19/02	14:40	SVOC, Metals, CN-
NL-SW25-G-5	12/19/02	15:05	SVOC, Metals, CN-
NL-SW25-G-10	12/19/02	14:50	SVOC, Metals, CN-

Notes: **Bold** indicates sample constitutents above clean up criteria.
(2) Indicates that this sample was taken as a 2nd Round sample after re-excavation.
Italicized sample IDs indicate QA/QC (duplicate) sample.
†Redundant sample inadvertently collected.

ITEM #4.d.i – Narrative And Tabular Summary

p. 8 and Table 3 of the December 15, 2009 Monitoring & Maintenance Five Year Review Report

required for that well, and then a second duplicate set of sample containers was also filled for the same analytical parameter. This procedure was repeated, in order of decreasing volatility, until two sets of samples for all analytical parameters were collected.

After collection, sample containers were labeled, preserved, and placed on ice in coolers to maintain their temperature at 4 degrees Celsius. Appropriate EPA-approved COC procedures were followed. Samples were packaged and shipped as specified in the M&M Plan (GA EPD, revised July 2005).

Groundwater purged from the monitoring wells during each sampling event was placed in 55-gallon drums, which were properly labeled and stored near the maintenance building located on the eastside of the newly constructed parking lot. After the analytical results from the groundwater samples collected from the corresponding monitoring wells established that COC concentrations in the groundwater were below detection limits, the purged water was discharged to the on-site storm water system.

2.4 GROUNDWATER SAMPLE ANALYSIS

Tetra Tech collected groundwater samples from nine monitoring wells during sampling events conducted in December 2005 and December 2006. Only eight wells were sampled during the December 2004, December 2007, and December 2008 sampling events due to unexpected site conditions which prevented collection of samples from all nine monitoring wells. All groundwater samples were collected and analyzed in accordance with EPA Region 4 EISOPQAM (EPA 2001).

Groundwater samples collected during each sampling event were transported to a Georgia-approved offsite laboratory for analysis. Each sample was analyzed for regulated substances identified for the Site (see Table 1).

Analytical results for the groundwater samples collected during each December sampling event from 2004 through 2008 are summarized in Table 3 (metals) and 4 (PAHs).

TABLE 3
MONITORING AND MAINTENANCE REVIEW REPORT
METALS ANALYTICAL RESULTS
NORTHSIDE DRIVE LANDFILL SITE

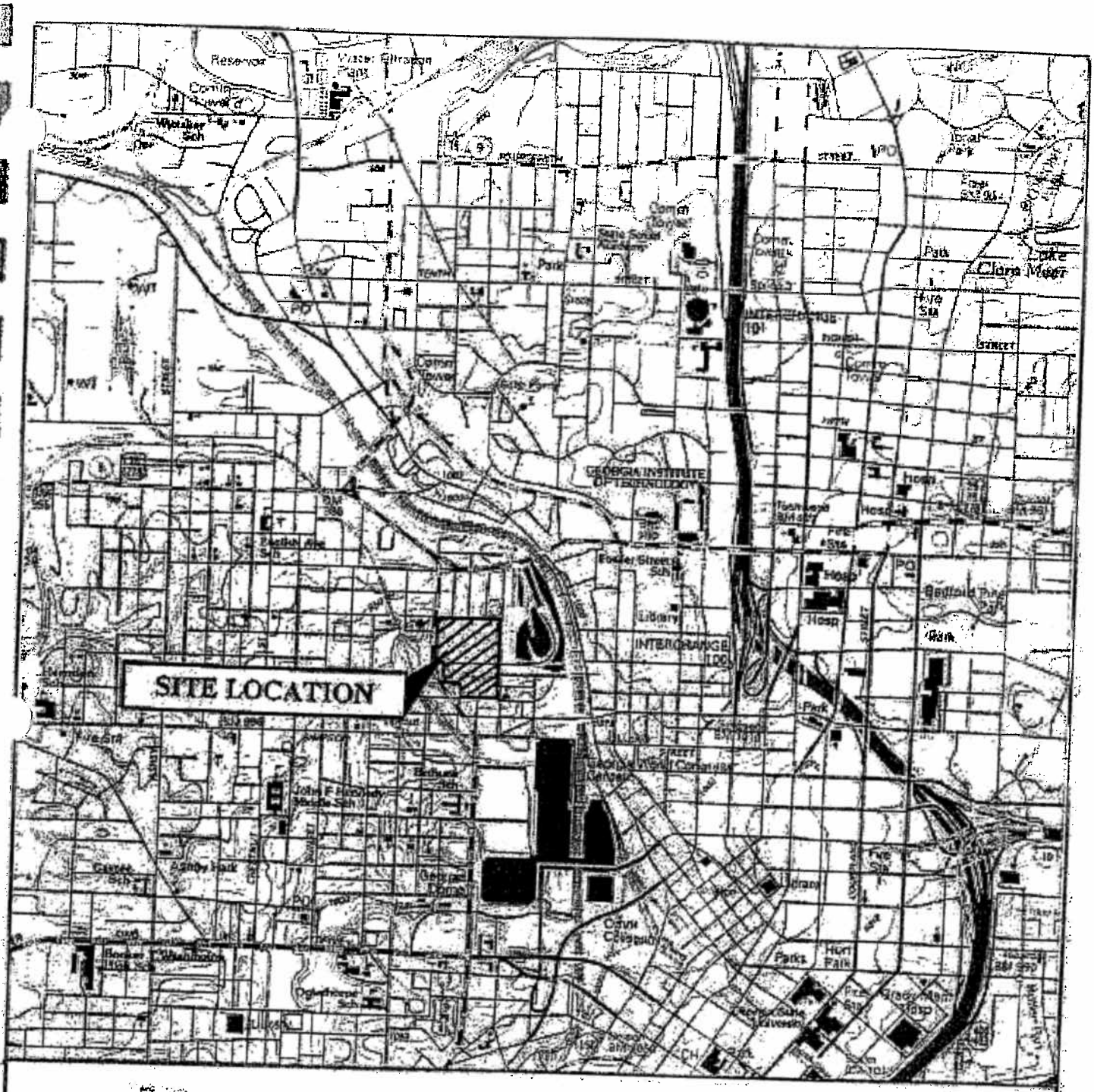
		Metals		
Well ID	Date	Beryllium (mg/L)	Lead (mg/L)	Mercury (mg/L)
MM-04	Dec. 28-30, 2004	0.003 U	0.015 U	0.0005 U
	Dec. 20-21, 2005	0.003 U	0.015 U	0.0005 U
	Dec. 5-6, 2006	0.003 U	0.015 U	0.0005 U
	Dec. 4-5, 2007	0.003 U	0.015 U	0.0005 U
	Dec. 18-19, 2008	0.01 U	0.01 U	0.0002 U
MM-01	Dec. 28-30, 2004	NS	NS	NS
	Dec. 20-21, 2005	0.003 U	0.015 U	0.0005 U
	Dec. 5-6, 2006	0.003 U	0.015 U	0.0005 U
	Dec. 4-5, 2007	0.003 U	0.015 U	0.0005 U
	Dec. 18-19, 2008	0.01 U	0.01 U	0.0002 U
MM-02	Dec. 28-30, 2004	0.003 U	0.015 U	0.0005 U
	Dec. 20-21, 2005	0.003 U	0.015 U	0.0005 U
	Dec. 5-6, 2006	0.003 U	0.015 U	0.0005 U
	Dec. 4-5, 2007	0.003 U	0.015 U	0.0005 U
	Dec. 18-19, 2008	0.01 U	0.01 U	0.0002 U
MWC-3C	Dec. 28-30, 2004	0.003 U	0.015 U	0.0005 U
	Dec. 20-21, 2005	0.003 U	0.015 U	0.0005 U
	Dec. 5-6, 2006	0.003 U	0.015 U	0.0005 U
	Dec. 4-5, 2007	0.003 U	0.015 U	0.0005 U
	Dec. 18-19, 2008	0.01 U	0.01 U	0.0002 U
MWC-3B	Dec. 28-30, 2004	0.003 U	0.015 U	0.0005 U
	Dec. 20-21, 2005	0.003 U	0.015 U	0.0005 U
	Dec. 5-6, 2006	0.003 U	0.015 U	0.0005 U
	Dec. 4-5, 2007	0.003 U	0.015 U	0.0005 U
	Dec. 18-19, 2008	0.01 U	0.01 U	0.0002 U
MM-03	Dec. 28-30, 2004	0.003 U	0.015 U	0.0005 U
	Dec. 20-21, 2005	0.003 U	0.015 U	0.0005 U
	Dec. 5-6, 2006	0.003 U	0.015 U	0.0005 U
	Dec. 4-5, 2007	0.003 U	0.015 U	0.0005 U
	Dec. 18-19, 2008	0.01 U	0.01 U	0.0002 U
MWC-1A	Dec. 28-30, 2004	0.003 U	0.015 U	0.0005 U
	Dec. 20-21, 2005	0.003 U	0.015 U	0.0005 U
	Dec. 5-6, 2006	0.003 U	0.015 U	0.0005 U
	Dec. 4-5, 2007	0.003 U	0.015 U	0.0005 U
	Dec. 18-19, 2008	0.01 U	0.01 U	0.0002 U
MWC-1B	Dec. 28-30, 2004	0.003 U	0.015 U	0.0005 U
	Dec. 20-21, 2005	0.003 U	0.015 U	0.0005 U
	Dec. 5-6, 2006	0.003 U	0.015 U	0.0005 U
	Dec. 4-5, 2007	0.003 U	0.015 U	0.0005 U
	Dec. 18-19, 2008	0.01 U	0.01 U	0.0002 U
MWC-1C	Dec. 28-30, 2004	0.003 U	0.015 U	**0.0005 UJ**
	Dec. 20-21, 2005	0.003 U	0.015 U	0.0005 U
	Dec. 5-6, 2006	0.003 U	0.015 U	0.0005 U
	Dec. 4-5, 2007	0.003 U	0.015 U	0.0005 U
	Dec. 18-19, 2008	0.01 U	0.01 U	0.0002 U

Notes:

mg/L	Milligrams per liter
U	The analyte was analyzed for but not detected above the quantitation limit.
NS	Not sampled; MM-01 was covered with approximately 9 feet of soil and debris.
UJ	The analyte was detected. The quantitation limit is estimated.
Bold	The analyte was detected, but did not exceed the quantitation limit.

ITEM #4.d.ii – Maps and Vertical Cross-Sections

Figures in the August 19, 2003 CSR



NORTHSIDE DRIVE LANDFILL
ATLANTA, FULTON COUNTY, GEORGIA

FIGURE 1-1

GENERAL SITE LOCATION

Tetra Tech EM Inc.

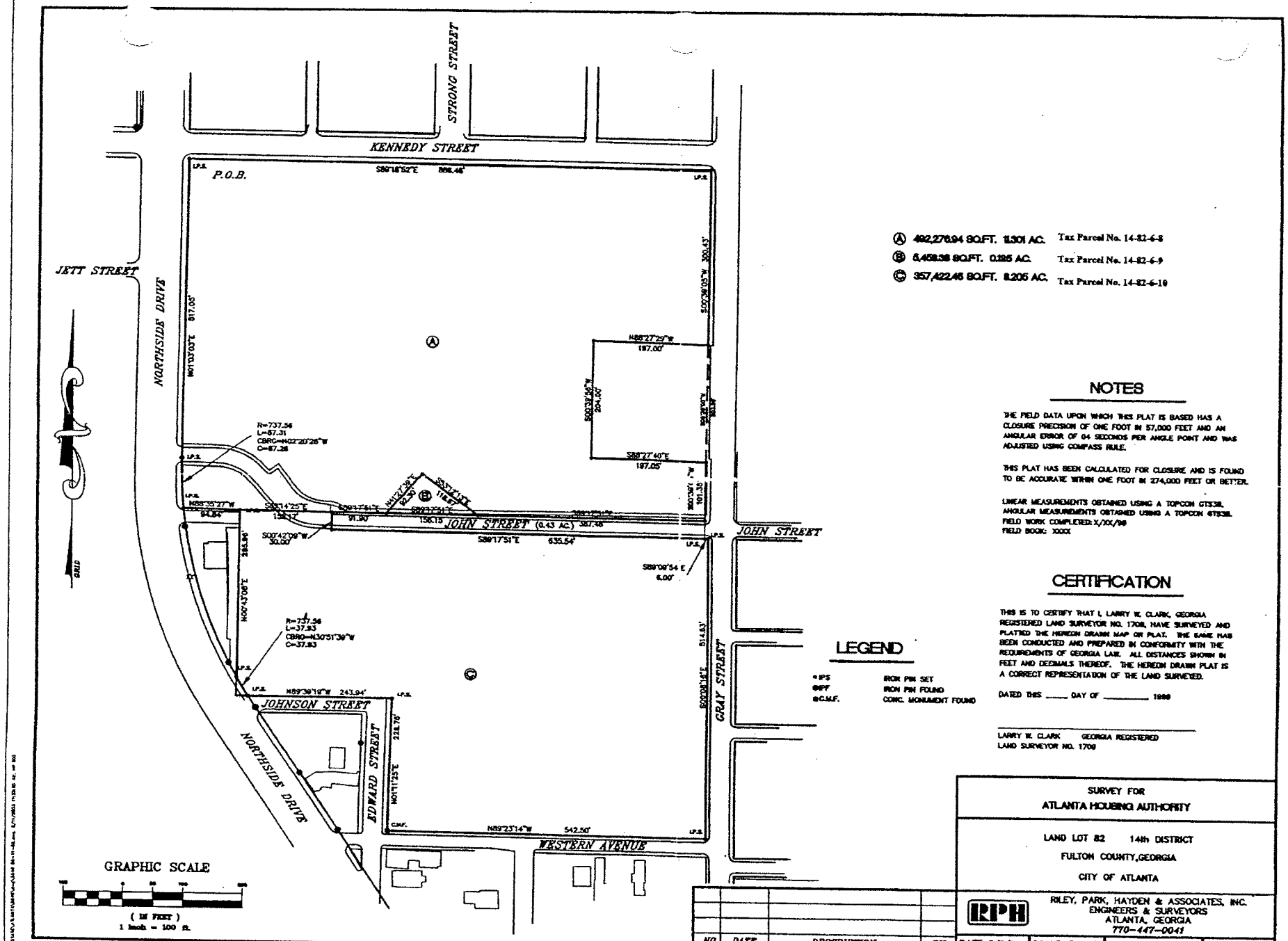

KENNEDY STREET
STRONG STREET
P.O.B.
JETT STREET
NORTHSIDE DRIVE
JOHN STREET (0.43 AC.)
JOHN STREET
GRAY STREET
JOHNSON STREET
EDWARD STREET
NORTHSIDE DRIVE
WESTERN AVENUE
GRID
Ⓐ 492,276.94 SQ.FT. 11.301 AC. Tax Parcel No. 14-82-6-8
Ⓑ 5,458.38 SQ.FT. 0.125 AC. Tax Parcel No. 14-82-6-9
Ⓒ 357,422.46 SQ.FT. 8.205 AC. Tax Parcel No. 14-82-6-10
NOTES
THE FIELD DATA UPON WHICH THIS PLAT IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN 57,000 FEET AND AN ANGULAR ERROR OF 04 SECONDS PER ANGLE POINT AND WAS ADJUSTED USING COMPASS RULE.
THIS PLAT HAS BEEN CALCULATED FOR CLOSURE AND IS FOUND TO BE ACCURATE WITHIN ONE FOOT IN 274,000 FEET OR BETTER.
LINEAR MEASUREMENTS OBTAINED USING A TOPCON GTS3B. ANGULAR MEASUREMENTS OBTAINED USING A TOPCON 6TS3B. FIELD WORK COMPLETED: X/XX/98 FIELD BOOK: XXXX
CERTIFICATION
THIS IS TO CERTIFY THAT I, LARRY W. CLARK, GEORGIA REGISTERED LAND SURVEYOR NO. 1709, HAVE SURVEYED AND PLATTED THE HEREON DRAWN MAP OR PLAT. THE SAME HAS BEEN CONDUCTED AND PREPARED IN CONFORMITY WITH THE REQUIREMENTS OF GEORGIA LAW. ALL DISTANCES SHOWN IN FEET AND DECIMALS THEREOF. THE HEREON DRAWN PLAT IS A CORRECT REPRESENTATION OF THE LAND SURVEYED.
DATED THIS _____ DAY OF _____ 1998
LARRY W. CLARK GEORGIA REGISTERED LAND SURVEYOR NO. 1709
LEGEND
• IPS IRON PIN SET
⊕ IPF IRON PIN FOUND
⊕ C.M.F. CONC. MONUMENT FOUND
GRAPHIC SCALE
(IN FEET)
1 inch = 100 ft.
SURVEY FOR
ATLANTA HOUSING AUTHORITY
LAND LOT 82 14th DISTRICT
FULTON COUNTY, GEORGIA
CITY OF ATLANTA
RPH
RILEY, PARK, HAYDEN & ASSOCIATES, INC.
ENGINEERS & SURVEYORS
ATLANTA, GEORGIA
770-447-0041
NO. DATE DESCRIPTION BY
DATE: 5/5/98 SCALE: 1"=100' JOB NO.: 5646 SHEET 1 OF 1

Figure 1-2

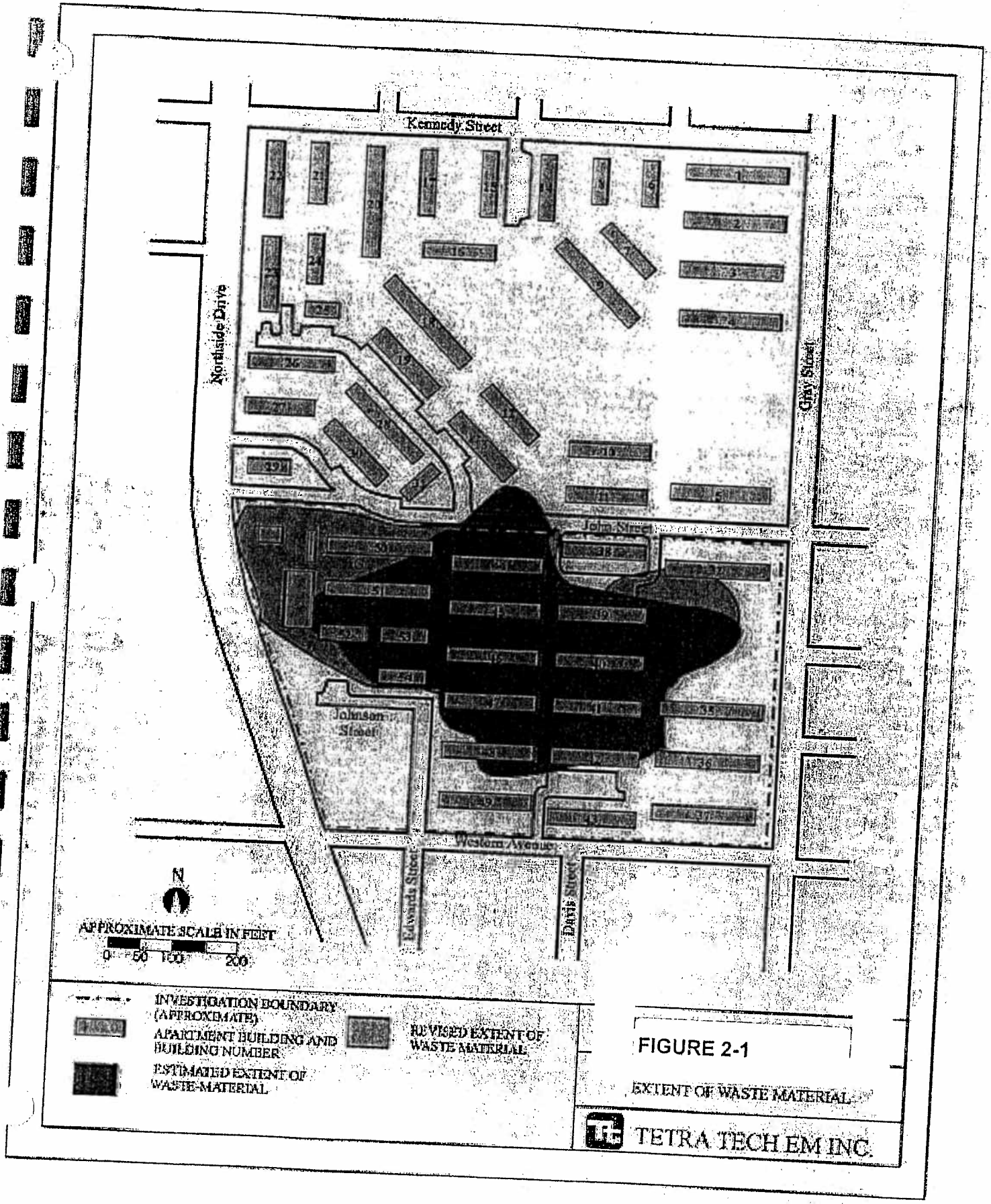
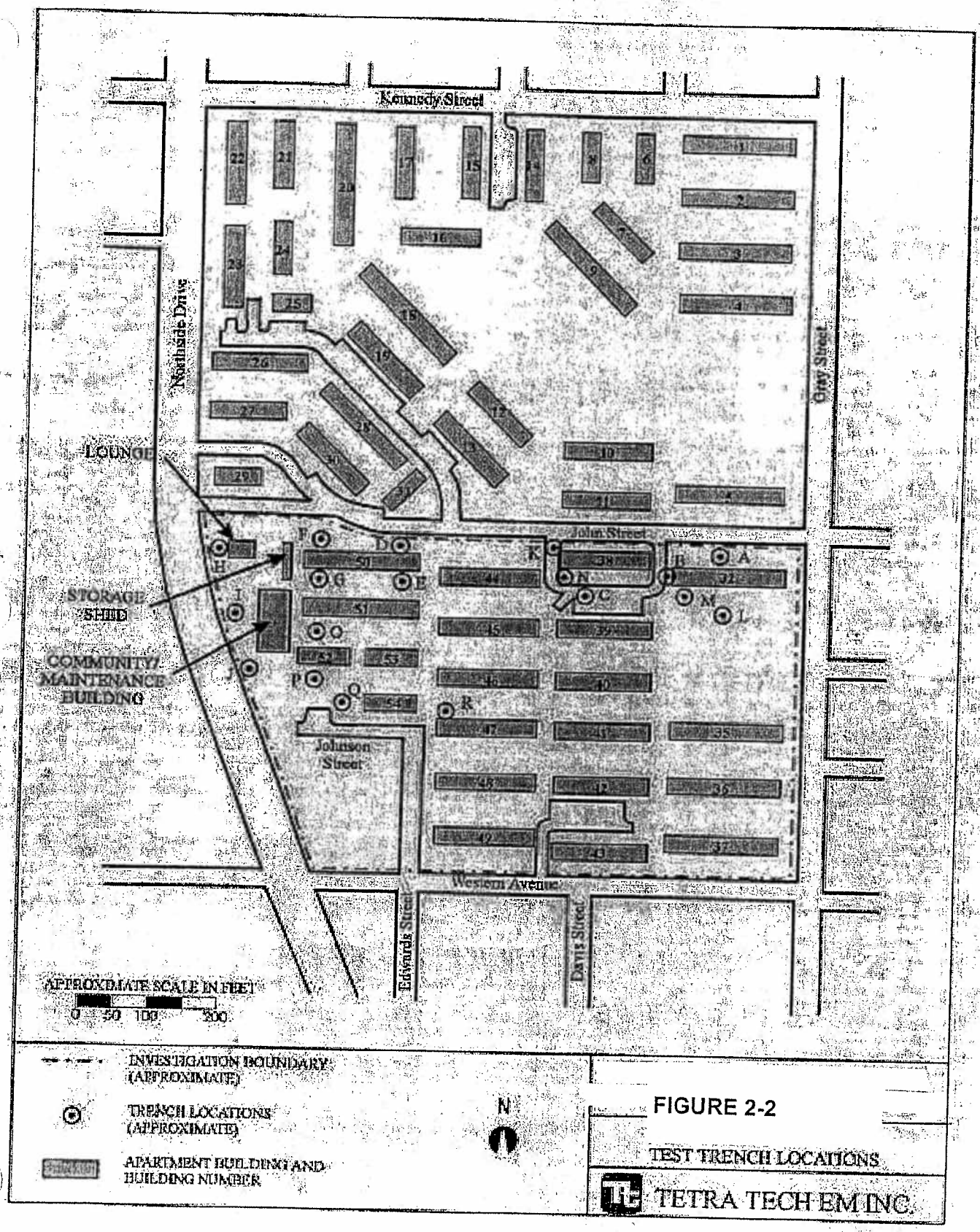


FIGURE 2-1

EXTENT OF WASTE MATERIAL

TETRA TECH EM INC.


Kennedy Street
Nathaniel Drive
Gray Street
John Street
Johnson Street
Western Avenue
Edwards Street
Davis Street
LOUNGE
STORAGE SHED
COMMUNITY MAINTENANCE BUILDING
APPROXIMATE SCALE IN FEET
0 50 100 200
INVESTIGATION BOUNDARY (APPROXIMATE)
TRENCH LOCATIONS (APPROXIMATE)
APARTMENT BUILDING AND BUILDING NUMBER
N
FIGURE 2-2
TEST TRENCH LOCATIONS
TETRA TECH EM INC.

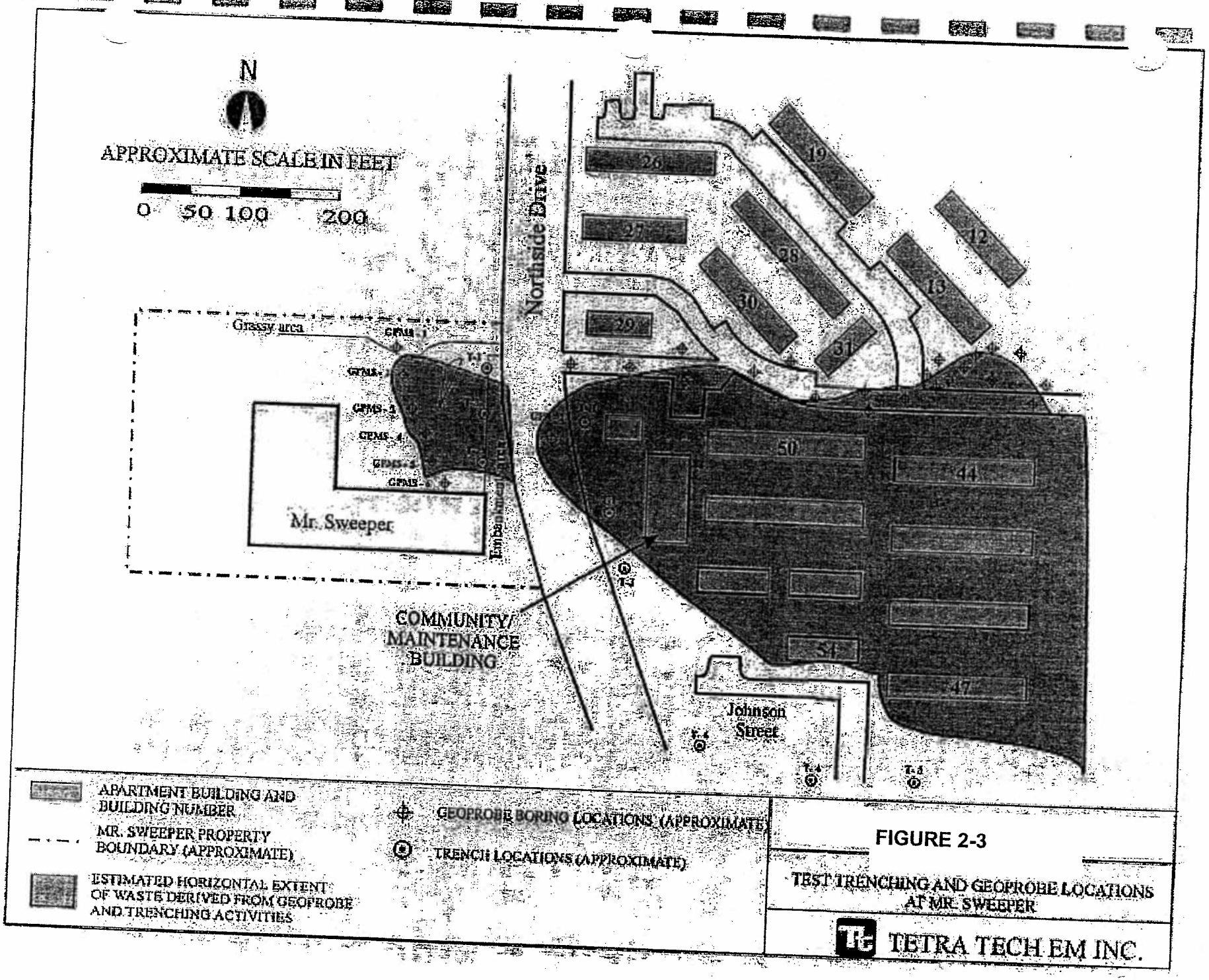


FIGURE 2-3

TEST TRENCHING AND GEOPROBE LOCATIONS AT MR. SWEEPER

TETRA TECH EM INC.

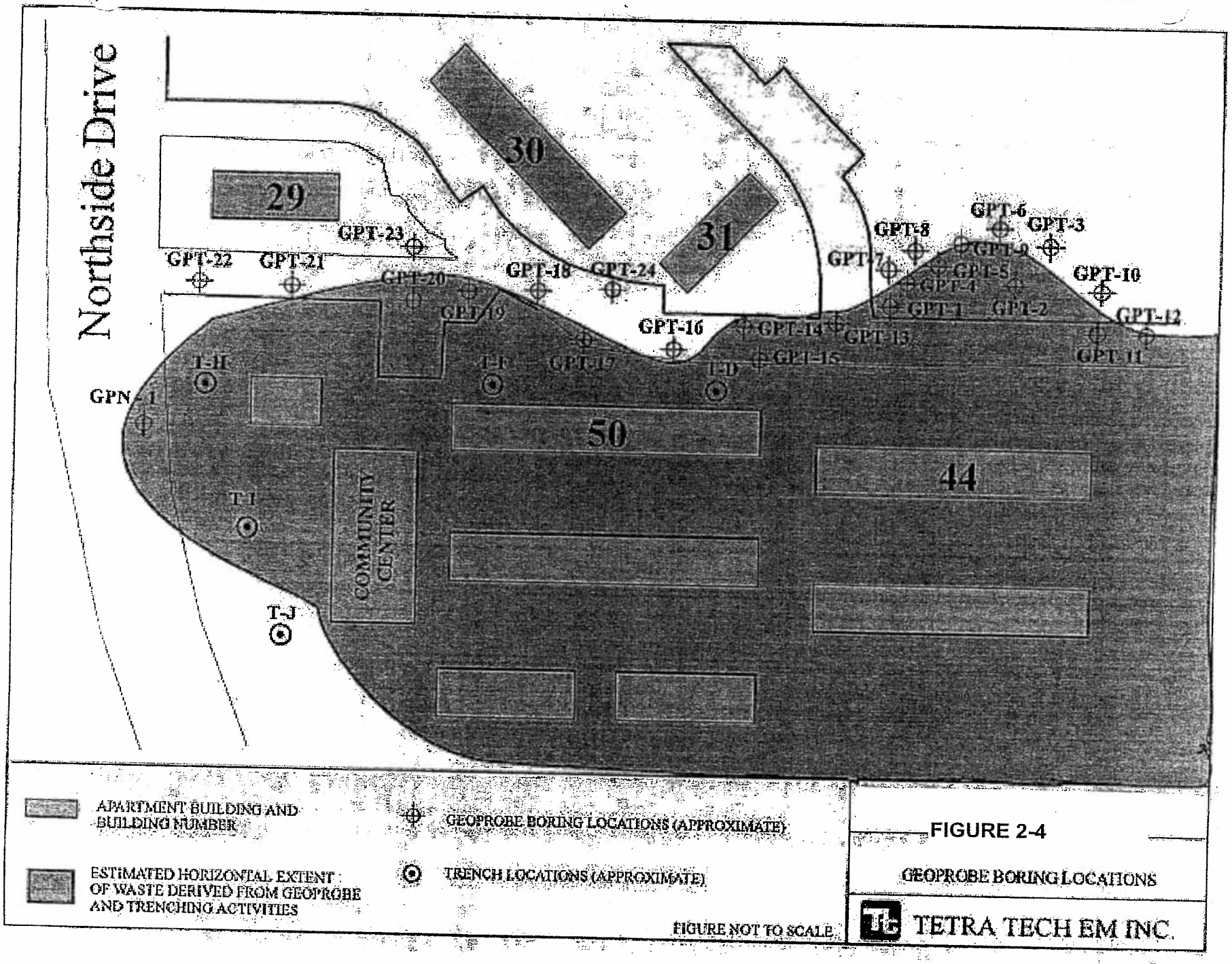


FIGURE 2-4

GEOPROBE BORING LOCATIONS

TETRA TECH EM INC.

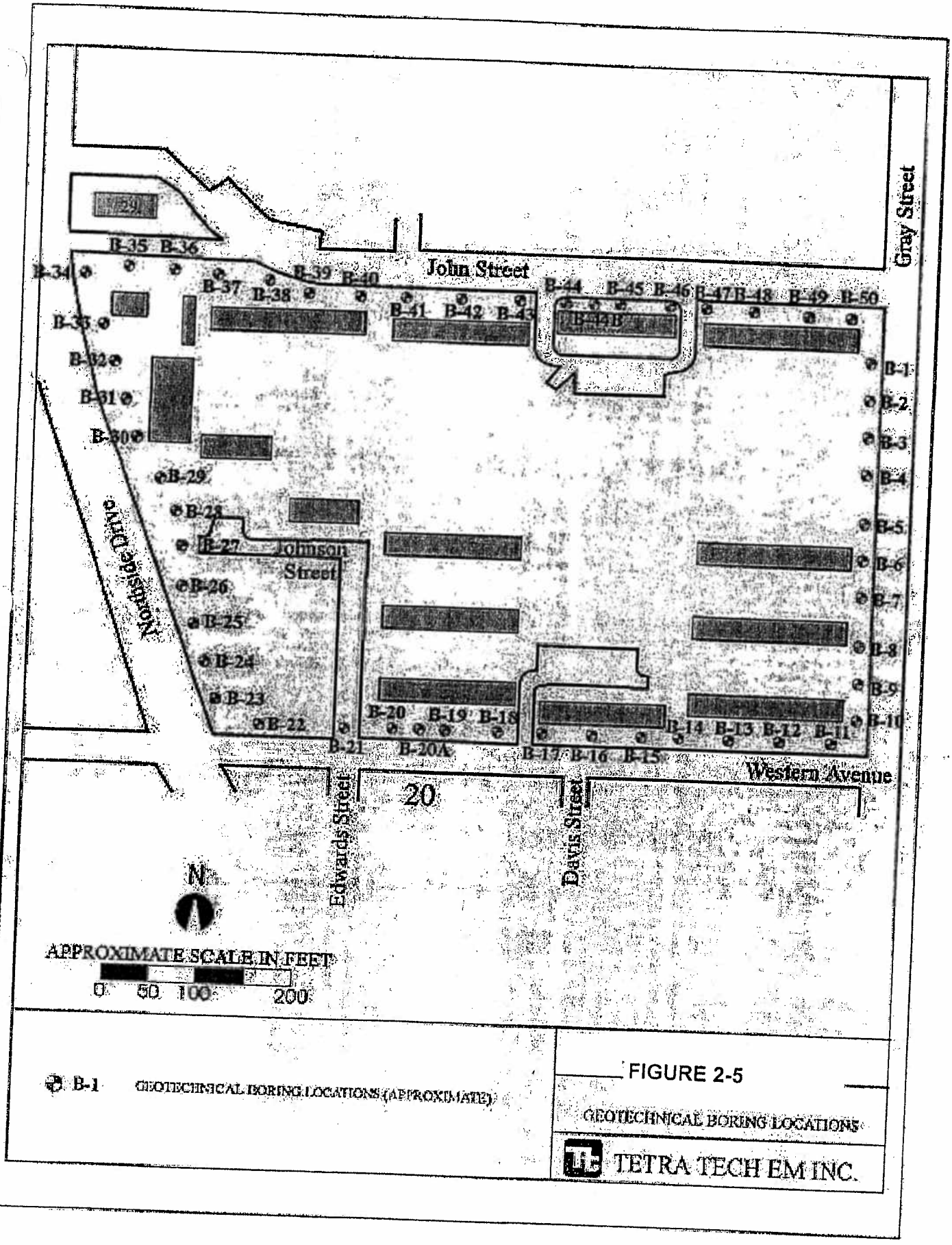


FIGURE 2-5

GEOTECHNICAL BORING LOCATIONS

TETRA TECH EM INC.

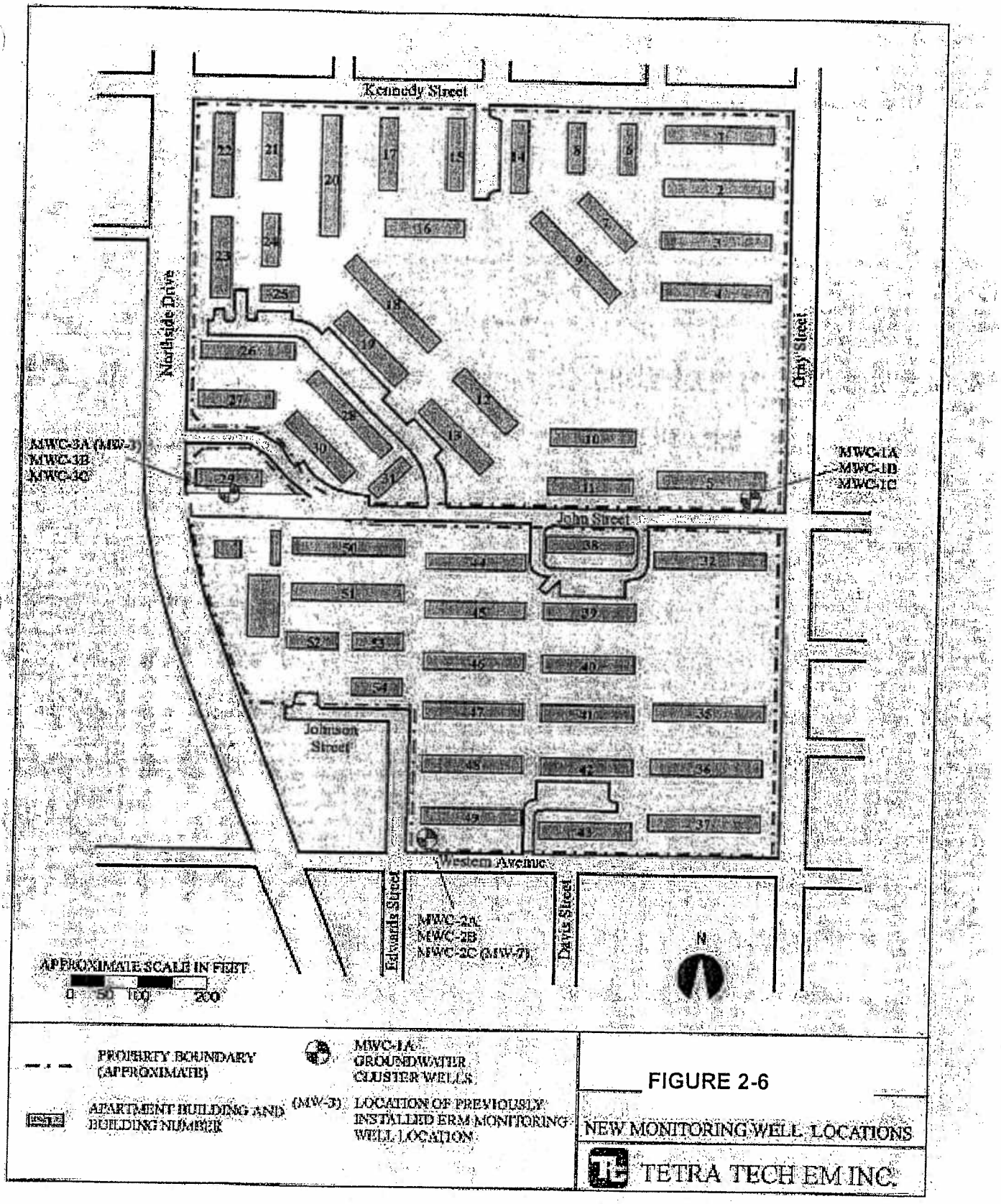
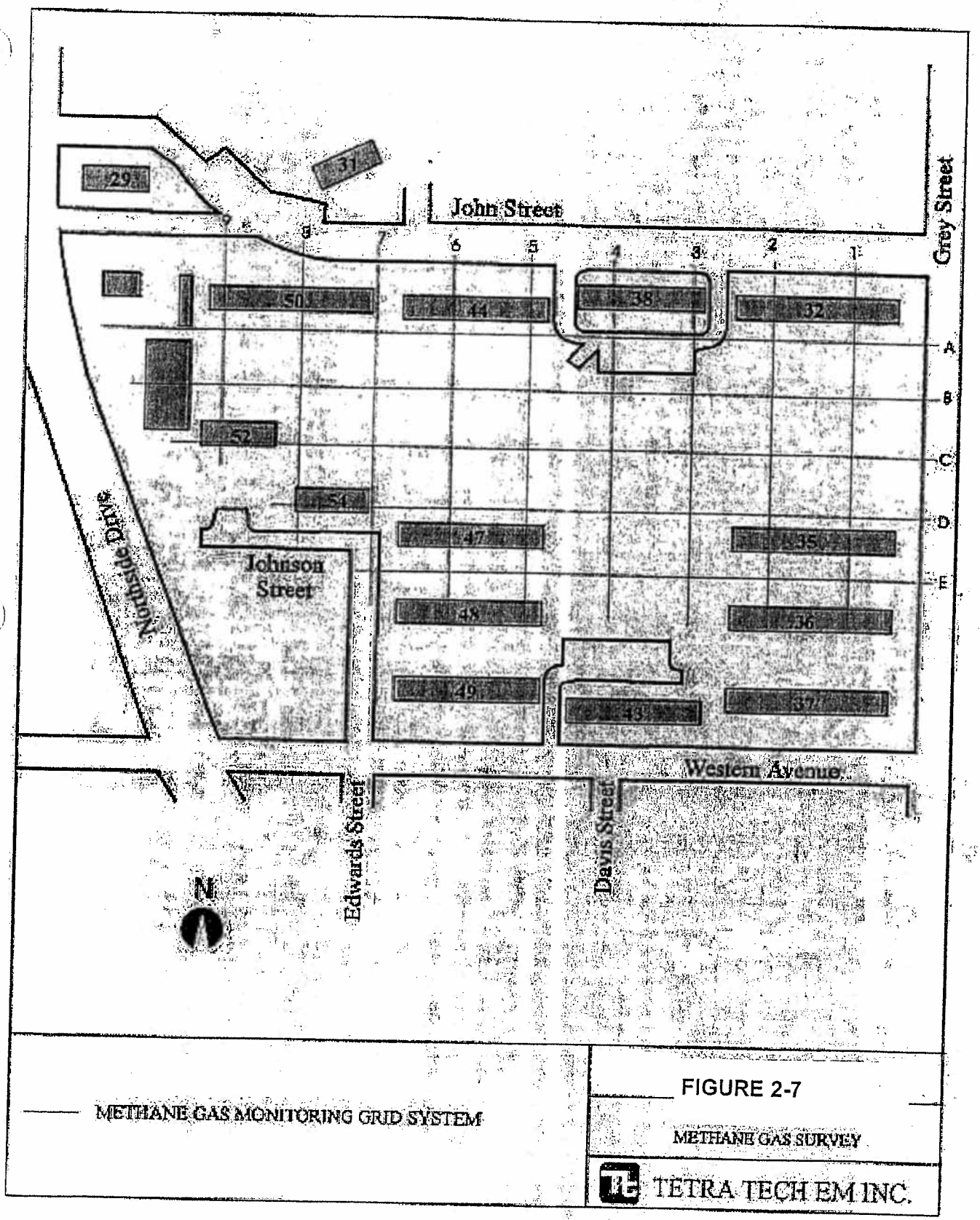


FIGURE 2-6

NEW MONITORING WELL LOCATIONS

TETRA TECH EM INC.

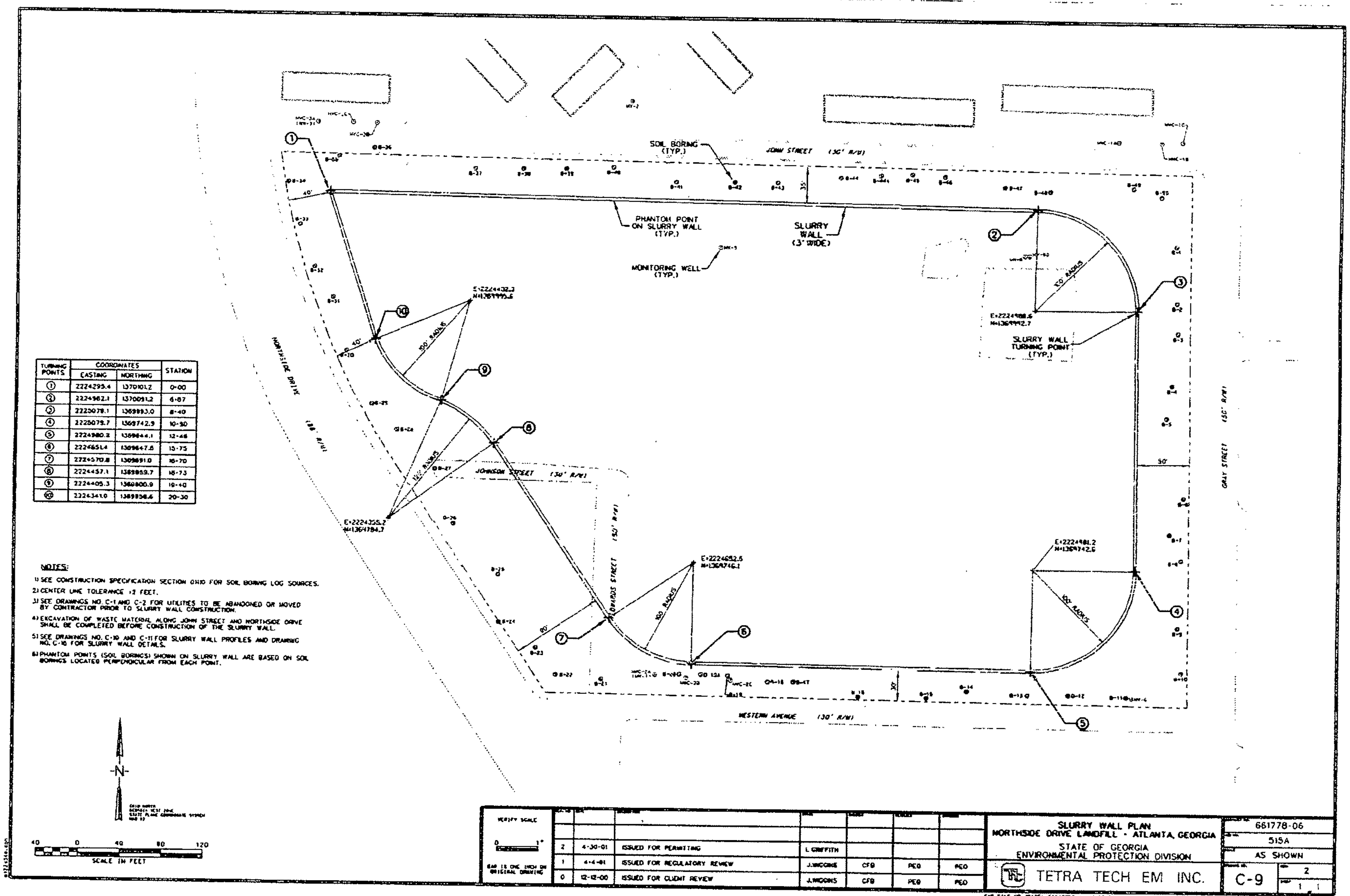


METHANE GAS MONITORING GRID SYSTEM

FIGURE 2-7

METHANE GAS SURVEY

TETRA TECH EM INC.

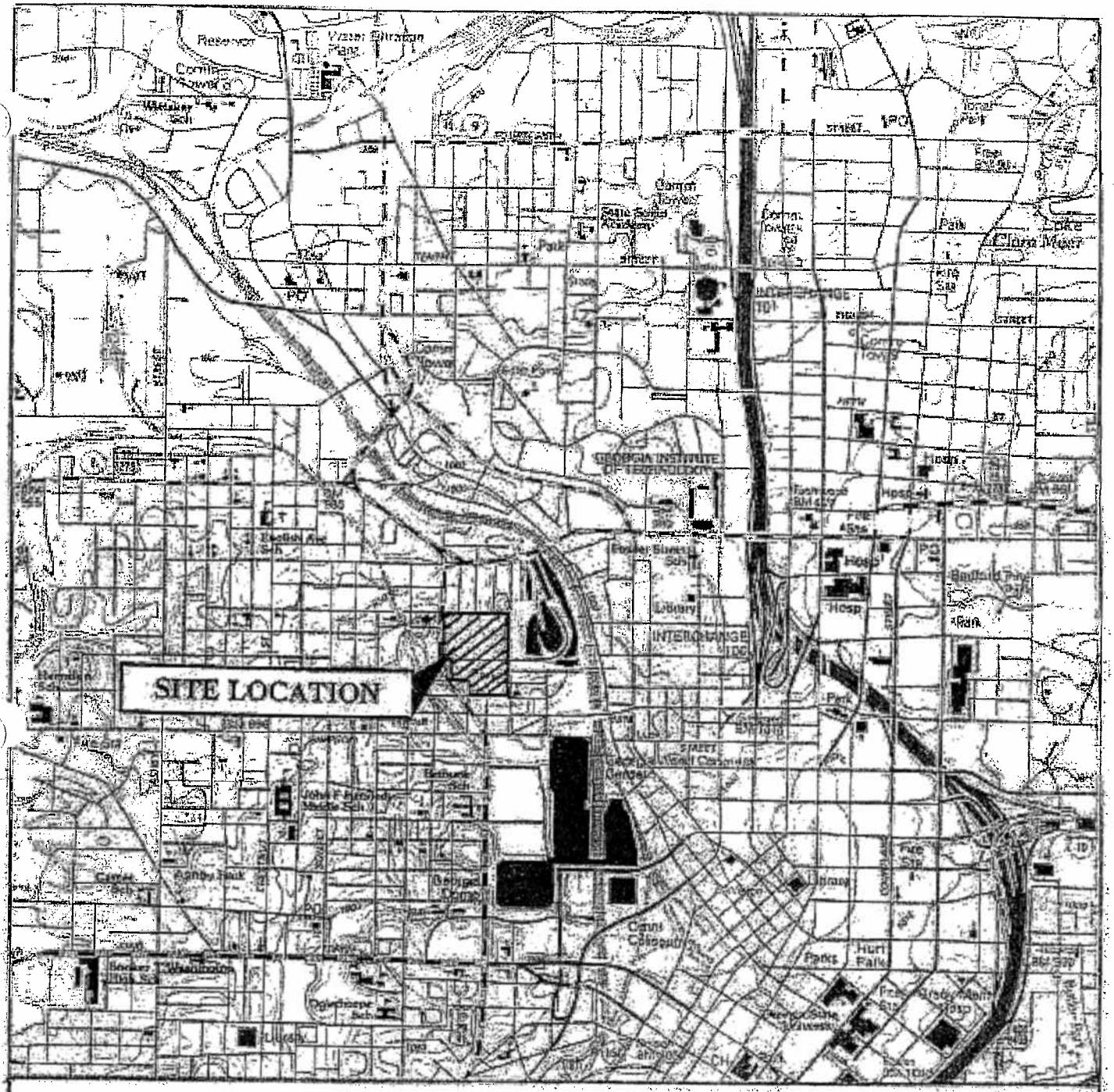


TURNING POINTS	COORDINATES		STATION
	EASTING	NORTHING	
①	2224295.4	1370101.2	0+00
②	2224962.1	1370091.2	6+87
③	2225078.1	1369993.0	8+40
④	2225079.7	1369742.9	10+50
⑤	2224980.2	1369644.1	12+46
⑥	2224651.4	1369647.6	15+75
⑦	2224570.8	1369891.0	16+70
⑧	2224457.1	1369859.7	18+73
⑨	2224405.3	1369800.9	19+40
⑩	2224341.0	1369858.6	20+30

FIGURE 2-8

ITEM #4.d.ii – Maps and Vertical Cross-Sections

Figures in the September 1, 2005 CSR



NORTHSIDE DRIVE LANDFILL
ATLANTA, FULTON COUNTY, GEORGIA

FIGURE 1-1

GENERAL SITE LOCATION

Tetra Tech EM Inc.

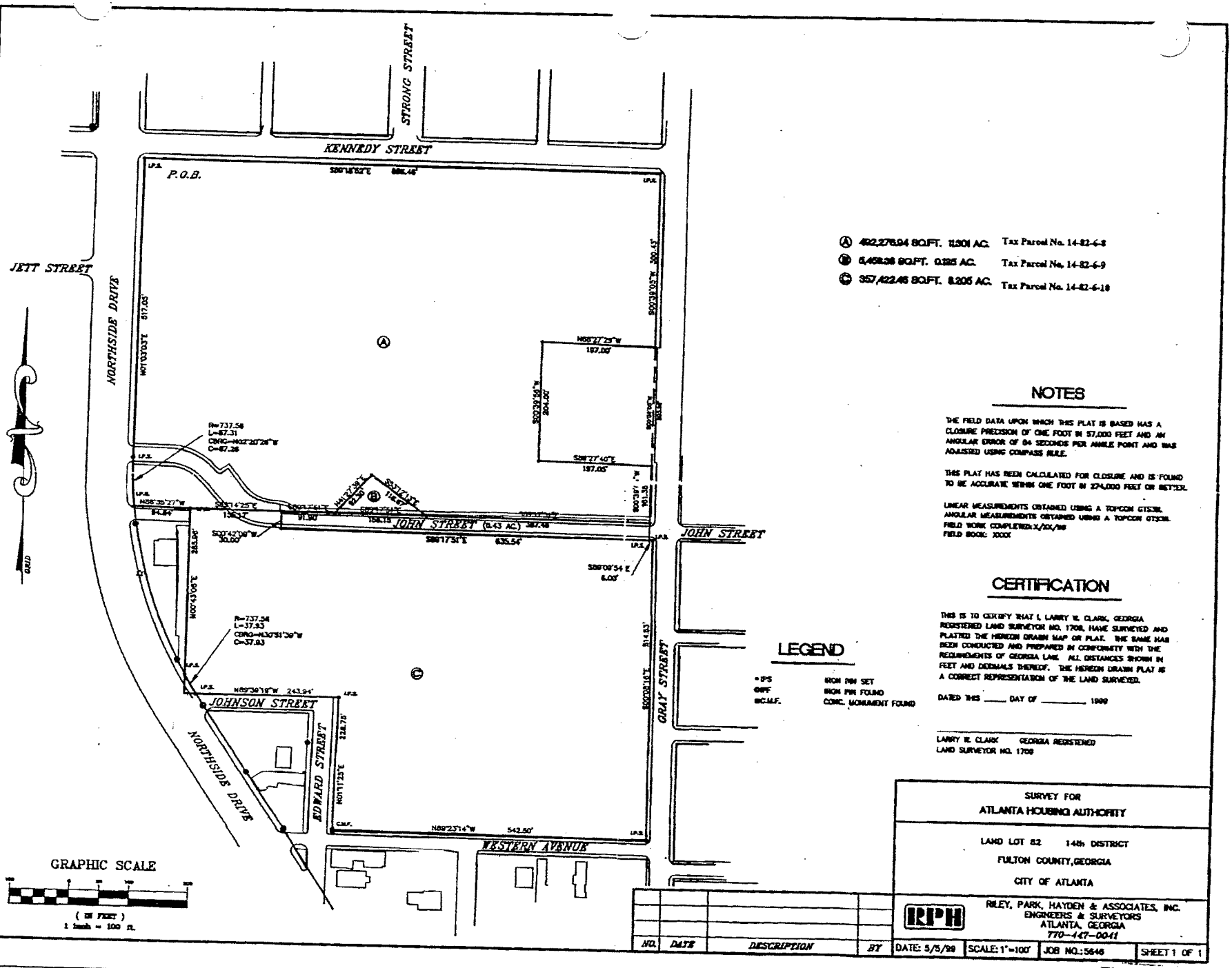

KENNEDY STREET
STRONG STREET
JETT STREET
NORTHSIDE DRIVE
P.O.B.
JOHN STREET (6.43 AC.)
JOHN STREET
GRAY STREET
JOHNSON STREET
EDWARD STREET
NORTHSIDE DRIVE
WESTERN AVENUE
GRID
Ⓐ 492,276.94 SQ.FT. 11.301 AC. Tax Parcel No. 14-82-6-8
Ⓑ 6,458.38 SQ.FT. 0.325 AC. Tax Parcel No. 14-82-6-9
Ⓒ 357,422.46 SQ.FT. 8.205 AC. Tax Parcel No. 14-82-6-10
NOTES
THE FIELD DATA UPON WHICH THIS PLAT IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN 57,000 FEET AND AN ANGULAR ERROR OF 04 SECONDS PER ANGLE POINT AND WAS ADJUSTED USING COMPASS RULE.
THIS PLAT HAS BEEN CALCULATED FOR CLOSURE AND IS FOUND TO BE ACCURATE WITHIN ONE FOOT IN 274,000 FEET OR BETTER.
LINEAR MEASUREMENTS OBTAINED USING A TOPCON GTS3B.
ANGULAR MEASUREMENTS OBTAINED USING A TOPCON GTS3B.
FIELD WORK COMPLETED: X/XX/99
FIELD BOOK: XXXX
CERTIFICATION
THIS IS TO CERTIFY THAT I, LARRY W. CLARK, GEORGIA REGISTERED LAND SURVEYOR NO. 1709, HAVE SURVEYED AND PLATTED THE HEREON DRAWN MAP OR PLAT. THE SAME HAS BEEN CONDUCTED AND PREPARED IN CONFORMITY WITH THE REQUIREMENTS OF GEORGIA LAW. ALL DISTANCES SHOWN IN FEET AND DECIMALS THEREOF. THE HEREON DRAWN PLAT IS A CORRECT REPRESENTATION OF THE LAND SURVEYED.
DATED THIS ____ DAY OF _____ 1999
LARRY W. CLARK GEORGIA REGISTERED LAND SURVEYOR NO. 1709
LEGEND
•IPS IRON PIN SET
OIPF IRON PIN FOUND
MCMF. CONC. MONUMENT FOUND
GRAPHIC SCALE
(IN FEET)
1 inch = 100 ft.
SURVEY FOR
ATLANTA HOUSING AUTHORITY
LAND LOT 82 14th DISTRICT
FULTON COUNTY, GEORGIA
CITY OF ATLANTA
RILEY, PARK, HAYDEN & ASSOCIATES, INC.
ENGINEERS & SURVEYORS
ATLANTA, GEORGIA
770-447-0041
NO. DATE DESCRIPTION BY
DATE: 5/5/99 SCALE: 1"=100' JOB NO.: 5648 SHEET 1 OF 1

Figure 1-2

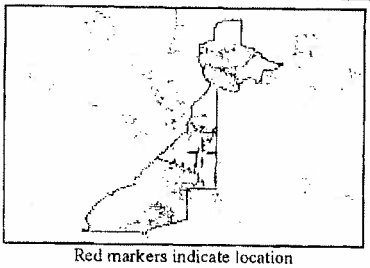
FIGURE 1-3

Report for Tax Digest 2005

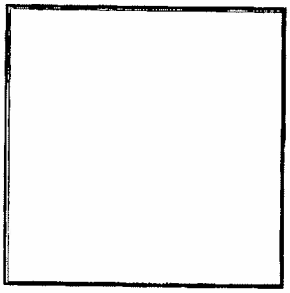
Tax Digest 2005

Tax Digest	2005
Parcel Id Number	14 -0082-0006-012-1
Property Address	JOHN ST
Owner Name	STATE OF GEORGIA
Mailing Address	270 WASHINGTON ST SW ATLANTA GA 30334
Tax District	05Z (Atlanta TAD)
Market Value	$ 0
Assessment	$ 0
City of Atlanta Tax Bill	$ .00
Fulton County Tax Bill	$ .00
City of Atlanta Taxes Due	$ .00
Fulton County Taxes Due	$ .00
City of Atlanta Exemption Code	
Fulton County Exemption Code	
City of Atlanta Exempt Amount	$ .00
Fulton County Exempt Amount	$ .00
Land Assessment	$ 0
Improvement Assessment	$ 0

More info from www.fultonassessor.org



Red markers indicate location of property in Fulton County



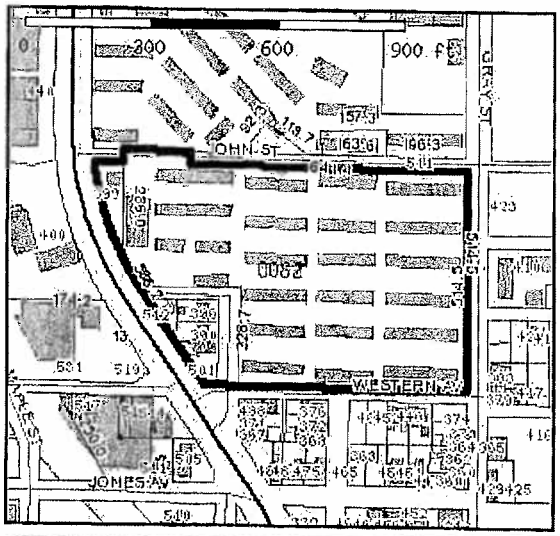
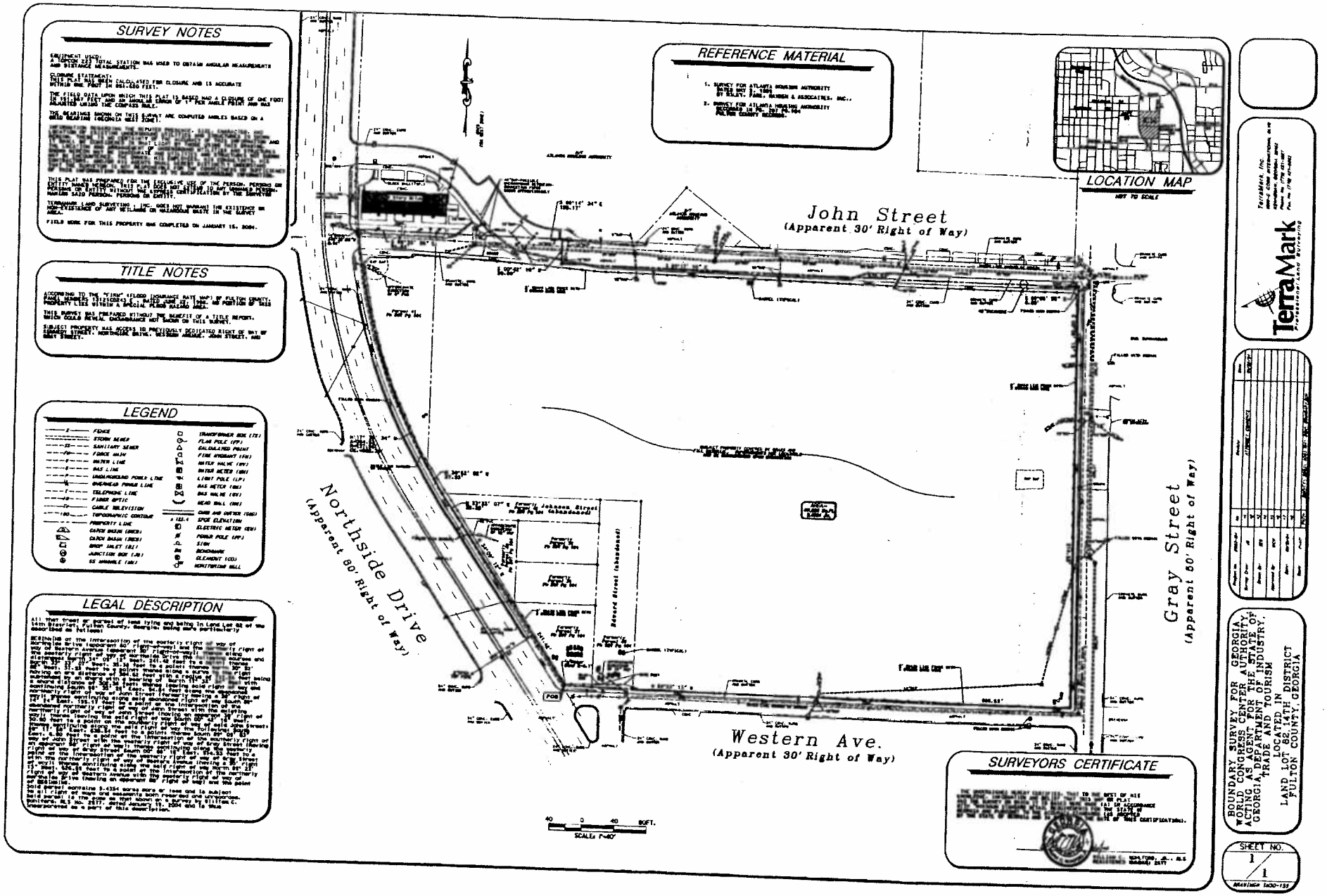


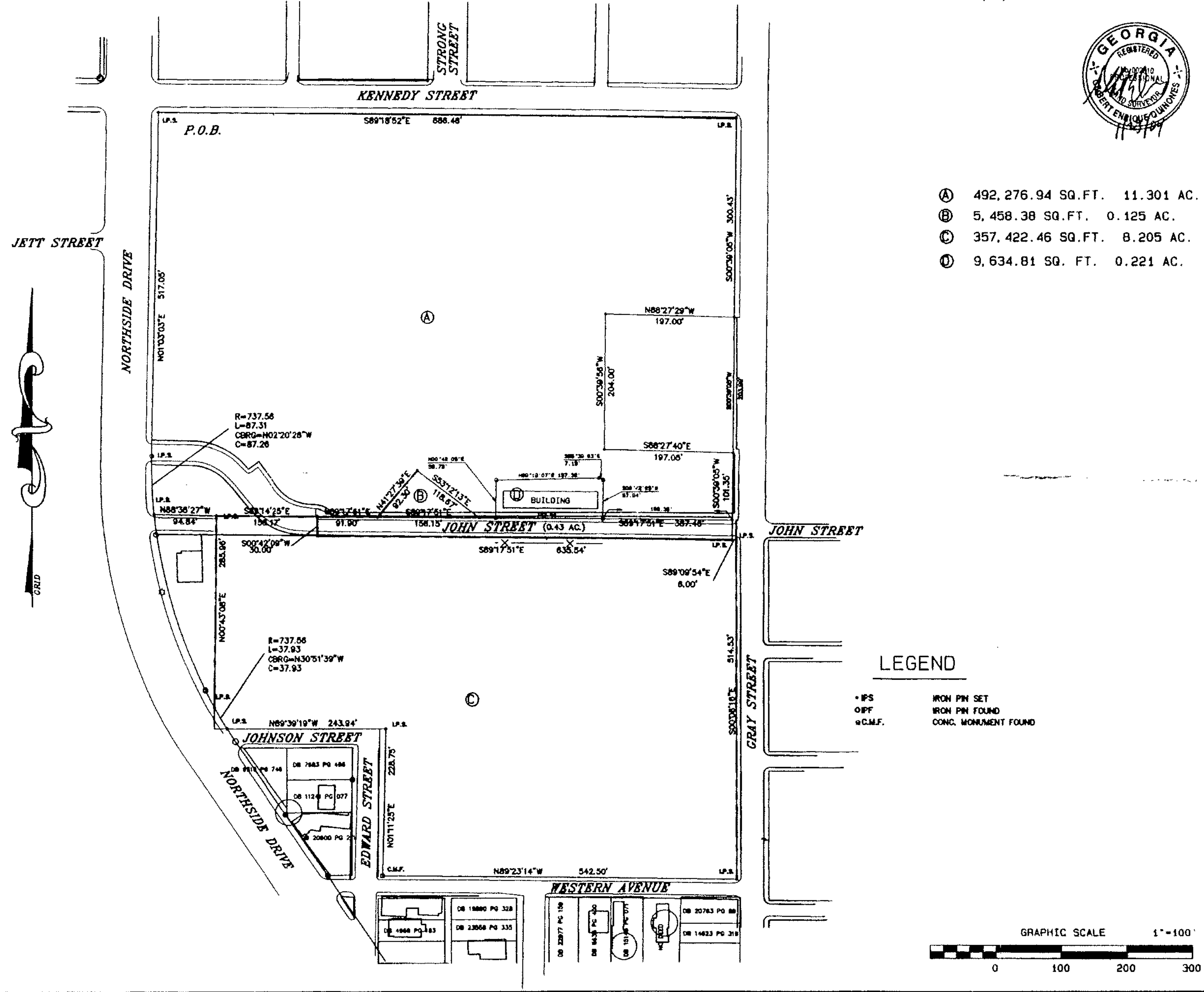
Image not available

Information provided by the
Fulton County Board of Assessors

FIGURE 1-4


SURVEY NOTES
TITLE NOTES
LEGEND
LEGAL DESCRIPTION
REFERENCE MATERIAL
LOCATION MAP
NOT TO SCALE
John Street
(Apparent 30' Right of Way)
Northside Drive
(Apparent 80' Right of Way)
Gray Street
(Apparent 60' Right of Way)
Western Ave.
(Apparent 30' Right of Way)
POB
SURVEYORS CERTIFICATE
TerraMark
Professional Land Surveying
BOUNDARY SURVEY FOR GEORGIA WORLD CONGRESS CENTER AUTHORITY, ACTING AS AGENT FOR THE STATE OF GEORGIA, DEPARTMENT OF INDUSTRY, TRADE AND TOURISM
LOCATED IN
LAND LOT 82, 14TH DISTRICT
FULTON COUNTY, GEORGIA
SHEET NO.
1
1

NOTE: Boundary shown herein from a Survey for Atlanta Housing Authority by RILEY, PARK, HAYDEN & ASSOCIATES, INC. dated 5/5/99.



GEOPROBE SAMPLE LOCATIONS
BUILDING 11 JOHNS STREET
THE HOUSING AUTHORITY OF THE CITY OF ATLANTA
c/o POWELL GOLDSTEIN FRAZER & MURPHY LLC
191 Peachtree Street, N.E.; Sixteenth Floor
Atlanta, Georgia 30303
(404) 572-6600; Fax: 9404) 572-6999

Q-B ENGINEERING, INC.
517 Cemetery Street
P.O. Box 1508
Norcross, Georgia 30091-1508
(770) 449-8623
(770) 449-1088 [FAX]

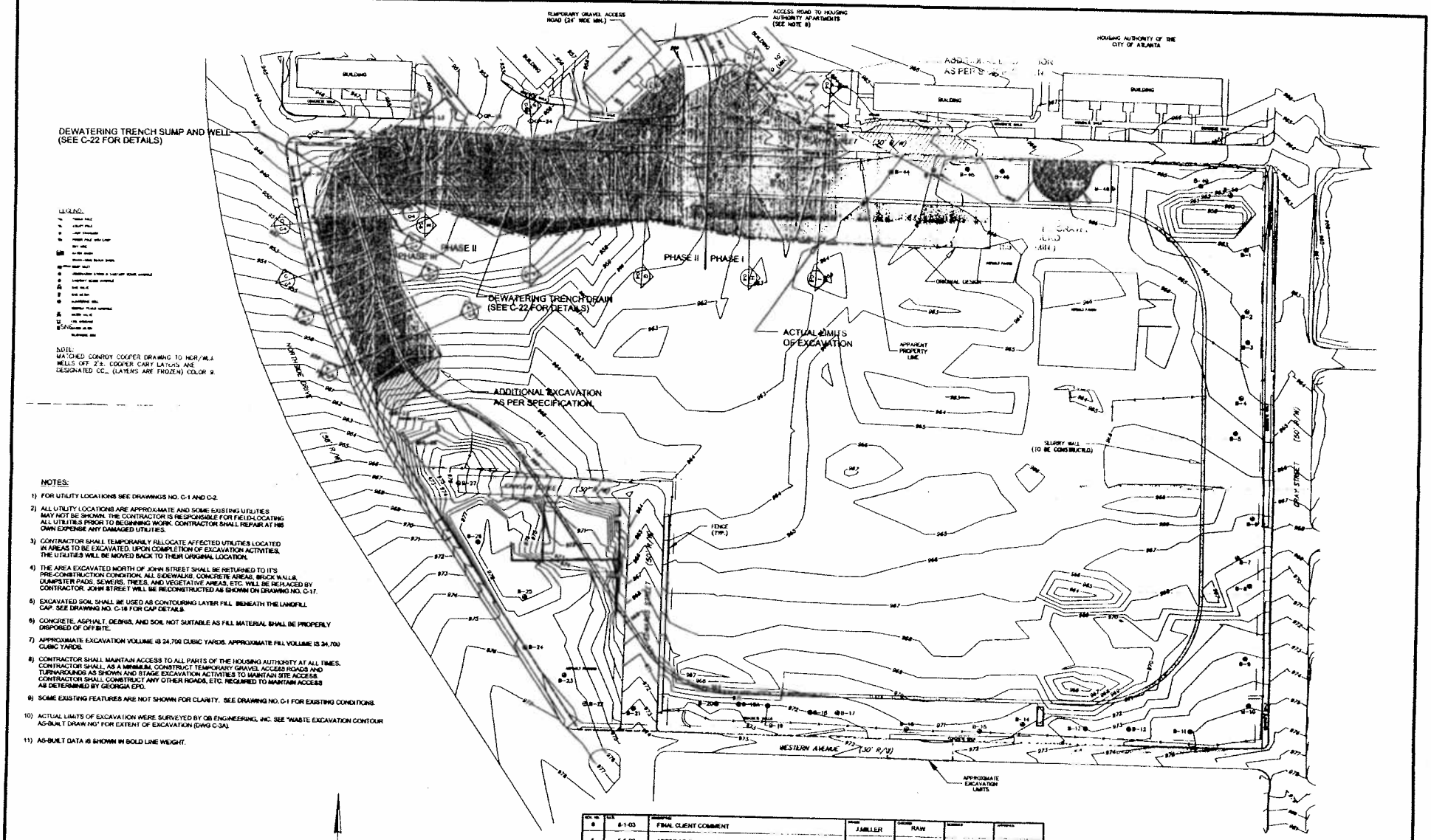
REVISIONS		
NO.	DESCRIPTION	DATE
1	CLIENT'S COMMENTS	1/23/04

DATE: 01/08/2004
SCALE: 1"=100'
DRAWN: A.V.R.
DESIGNED: D.R.S.
CHECKED: G.E.Q.
LAND LOT: 82
14TH LAND DISTRICT
FULTON COUNTY, GA.

SHEET 1
NO. 1
DRAWING NO. 03-111-S-1

FILE: P:\Terramodel\03-all\03-111\03-111.pro
Date Printed: 1/23/2004

FIGURE 1-5



LEGEND:

NOTE:
MATCHED CONTOY COOPER DRAWING TO HOR/MLS WELLS OFF 2'±. COOPER CARY LAYERS ARE DESIGNATED CC_ (LAYERS ARE FROZEN) COLOR 9.

NOTES:

1) FOR UTILITY LOCATIONS SEE DRAWINGS NO. C-1 AND C-2.
2) ALL UTILITY LOCATIONS ARE APPROXIMATE AND SOME EXISTING UTILITIES MAY NOT BE SHOWN. THE CONTRACTOR IS RESPONSIBLE FOR FIELD LOCATING ALL UTILITIES PRIOR TO BEGINNING WORK. CONTRACTOR SHALL REPAIR AT HIS OWN EXPENSE ANY DAMAGED UTILITIES.
3) CONTRACTOR SHALL TEMPORARILY RELOCATE AFFECTED UTILITIES LOCATED IN AREAS TO BE EXCAVATED. UPON COMPLETION OF EXCAVATION ACTIVITIES, THE UTILITIES WILL BE MOVED BACK TO THEIR ORIGINAL LOCATION.
4) THE AREA EXCAVATED NORTH OF JOHN STREET SHALL BE RETURNED TO ITS PRE-CONSTRUCTION CONDITION. ALL SIDEWALKS, CONCRETE AREAS, BRICK WALLS, DUMPSTER PADS, SEWERS, TREES, AND VEGETATIVE AREAS, ETC. WILL BE REPLACED BY CONTRACTOR. JOHN STREET WILL BE RECONSTRUCTED AS SHOWN ON DRAWING NO. C-17.
5) EXCAVATED SOIL SHALL BE USED AS CONTOURING LAYER FILL BENEATH THE LANDFILL CAP. SEE DRAWING NO. C-18 FOR CAP DETAILS.
6) CONCRETE, ASPHALT, DEBRIS, AND SOIL NOT SUITABLE AS FILL MATERIAL SHALL BE PROPERLY DISPOSED OF OFFSITE.
7) APPROXIMATE EXCAVATION VOLUME IS 24,700 CUBIC YARDS. APPROXIMATE FILL VOLUME IS 24,700 CUBIC YARDS.
8) CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PARTS OF THE HOUSING AUTHORITY AT ALL TIMES. CONTRACTOR SHALL, AS A MINIMUM, CONSTRUCT TEMPORARY GRAVEL ACCESS ROADS AND TURNAROUNDS AS SHOWN AND STAGE EXCAVATION ACTIVITIES TO MAINTAIN SITE ACCESS. CONTRACTOR SHALL CONSTRUCT ANY OTHER ROADS, ETC. REQUIRED TO MAINTAIN ACCESS AS DETERMINED BY GEORGIA EPD.
9) SOME EXISTING FEATURES ARE NOT SHOWN FOR CLARITY. SEE DRAWING NO. C-1 FOR EXISTING CONDITIONS.
10) ACTUAL LIMITS OF EXCAVATION WERE SURVEYED BY QB ENGINEERING, INC. SEE "WASTE EXCAVATION CONTOUR AS-BUILT DRAWING" FOR EXTENT OF EXCAVATION (DWG C-3A).
11) AS-BUILT DATA IS SHOWN IN BOLD LINE WEIGHT.

NO.	DATE	DESCRIPTION	DESIGNED	DRAWN	CHECKED	APPROVED
6	8-1-03	FINAL CLIENT COMMENT	J.MILLER	RAW		
5	5-5-03	ADDED AS-BUILT DATA FOR REVISED AS-BUILT DRAWINGS	J.MILLER	RAW		
4	8-10-01	ADDED DEWATERING TRENCH	I. GRIFFITH			
3	8-12-01	TURNAROUND LOCATION CHANGED	J.WIGGINS	CFB	PEO	PEO
2	4-30-01	ISSUED FOR PERMITTING	I. GRIFFITH	CFB	PEO	PEO
1	4-4-01	ISSUED FOR REGULATORY REVIEW	J.WIGGINS	CFB	PEO	PEO
0	12-12-00	ISSUED FOR CLIENT REVIEW	J.WIGGINS	CFB	PEO	PEO

VERIFY SCALE
0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

GRID NORTH
GEORGIA WEST ZONE
STATE PLANE COORDINATE SYSTEM
NAD 83

REVISED AS-BUILT

CONTAMINATED SOIL EXCAVATION PLAN
NORTHSIDE DRIVE LANDFILL - ATLANTA, GEORGIA
STATE OF GEORGIA
ENVIRONMENTAL PROTECTION DIVISION

TETRA TECH EM INC.

CONTRACT NO.	661778-08
JOB NO.	516A
SCALE	AS SHOWN
DRAWING NO.	C-3
REV.	6
SHEET	1 of 1

CAD FILE NO./DATE: 516A6005.dgn/8-13-01

FIGURE 1-6

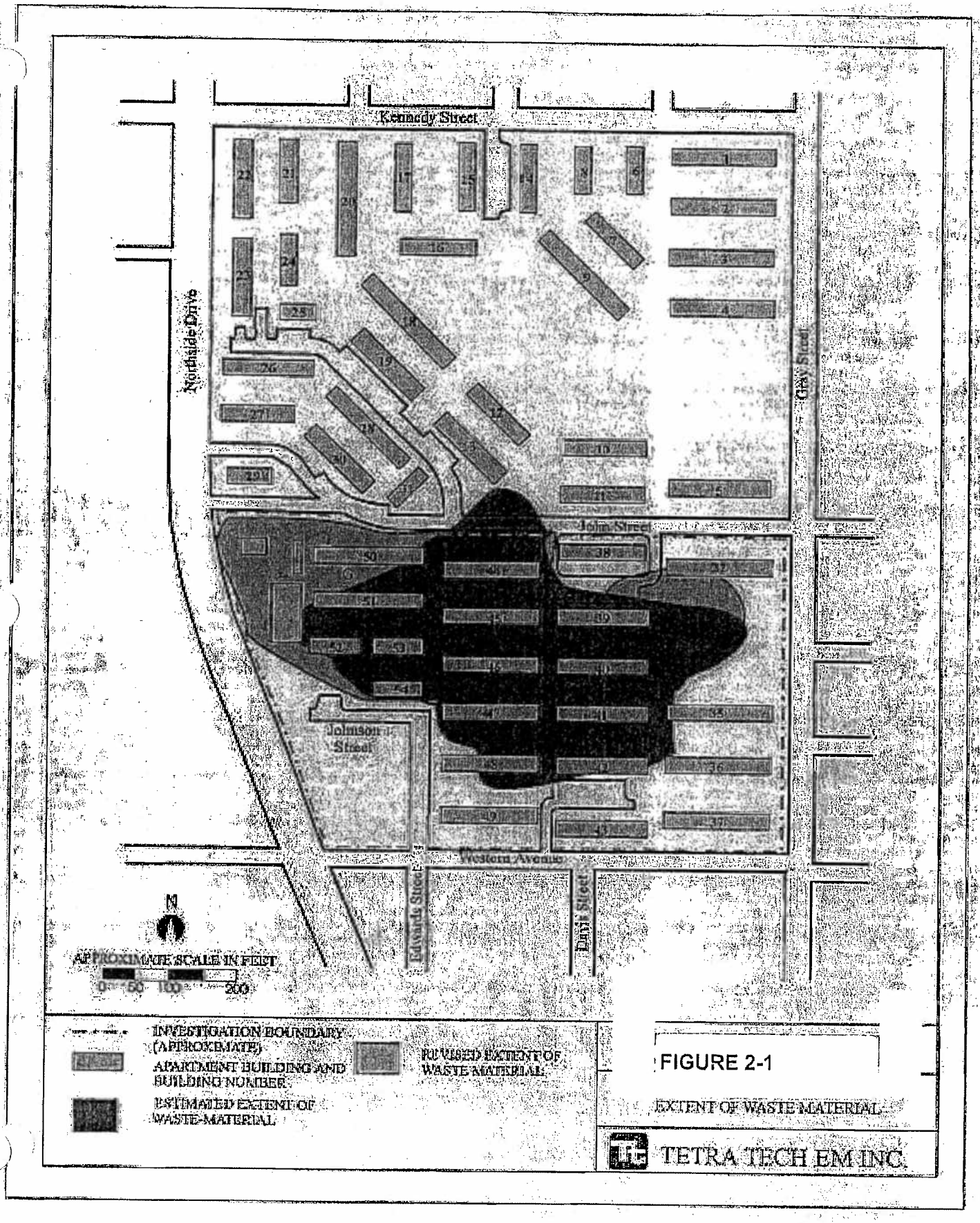


FIGURE 2-1

EXTENT OF WASTE MATERIAL

TETRA TECH EM INC.

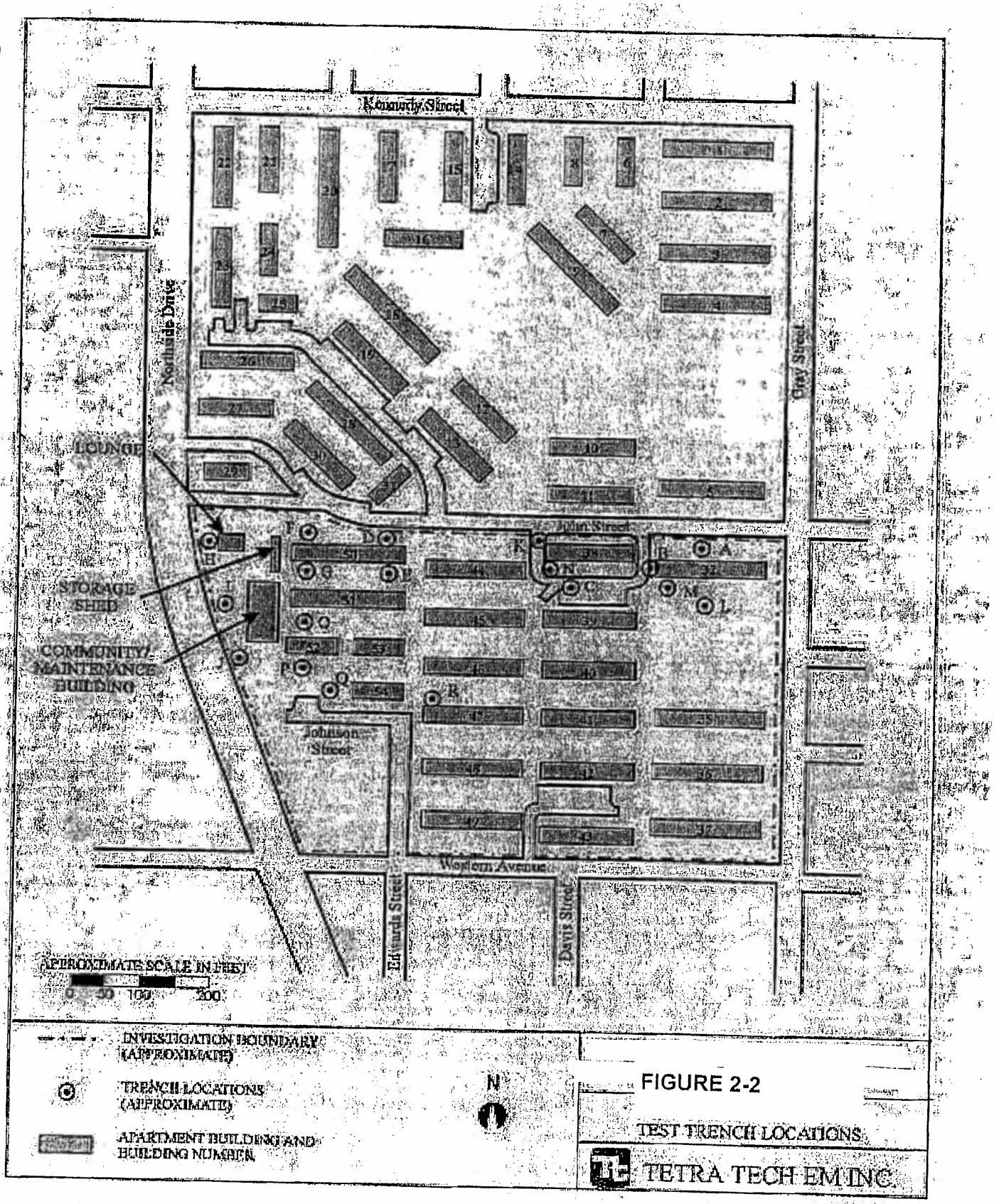


FIGURE 2-2

TEST TRENCH LOCATIONS

TETRA TECH EM INC

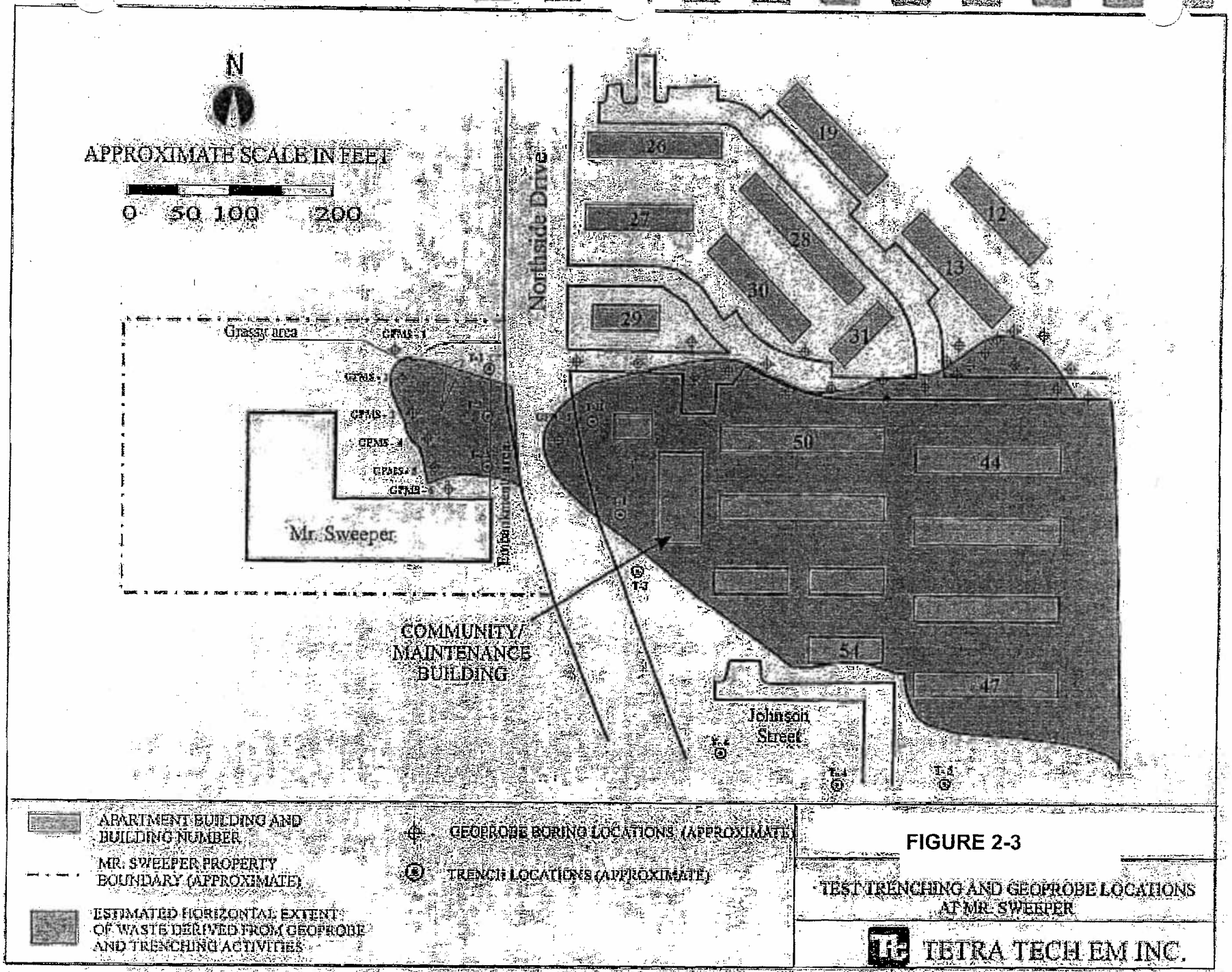
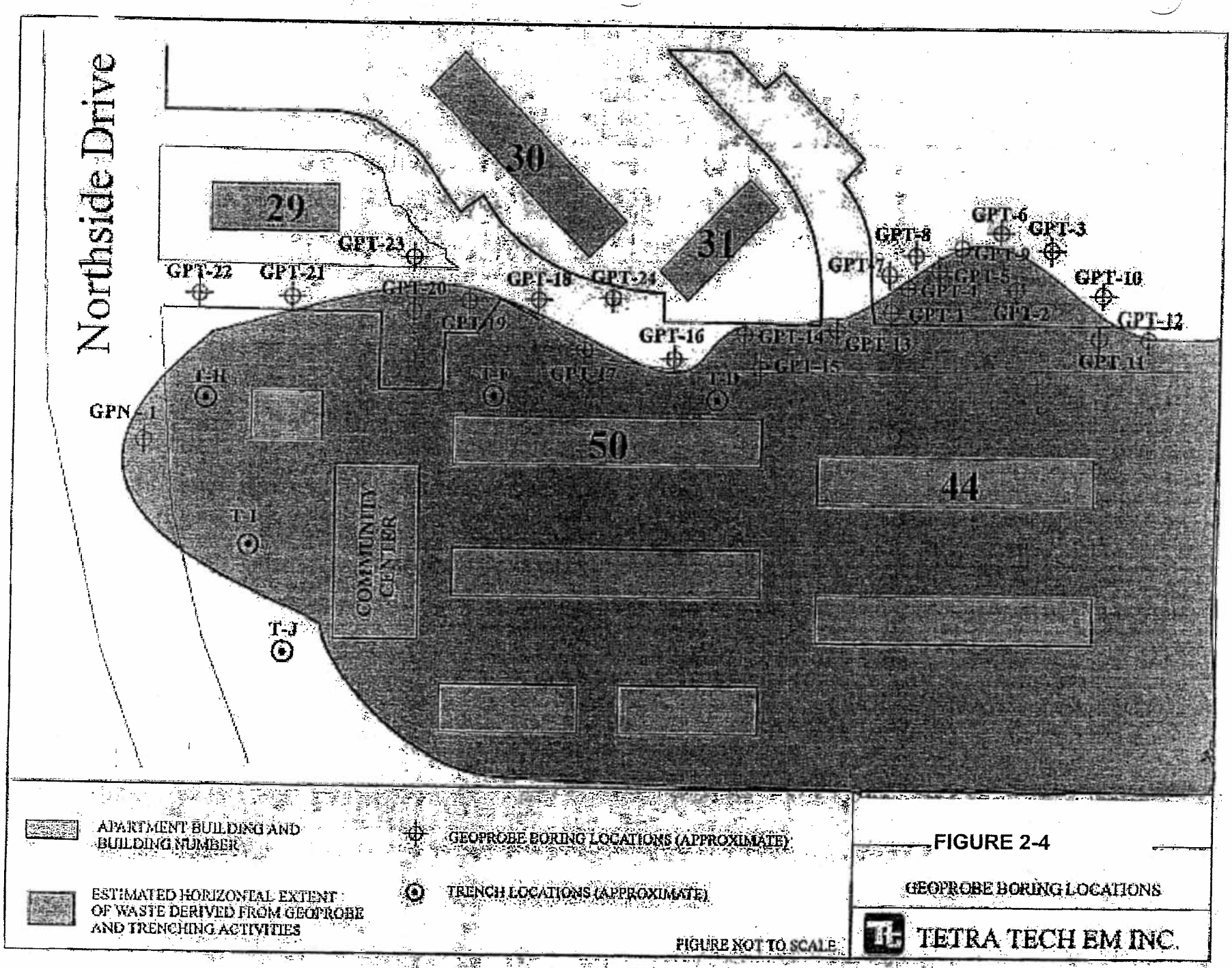


FIGURE 2-3

TEST TRENCHING AND GEOPROBE LOCATIONS AT MR. SWEEPER

TETRA TECH EM INC.


Northside Drive
30
29
31
50
44
COMMUNITY CENTER
GPT-23
GPT-22
GPT-21
GPT-20
GPT-19
GPT-18
GPT-24
GPT-16
GPT-17
GPT-14
GPT-15
GPT-13
GPT-8
GPT-7
GPT-6
GPT-3
GPT-9
GPT-5
GPT-4
GPT-1
GPT-2
GPT-10
GPT-12
GPT-11
T-H
T-F
T-D
GPN-1
T-I
T-J
APARTMENT BUILDING AND BUILDING NUMBER
ESTIMATED HORIZONTAL EXTENT OF WASTE DERIVED FROM GEOPROBE AND TRENCHING ACTIVITIES
GEOPROBE BORING LOCATIONS (APPROXIMATE)
TRENCH LOCATIONS (APPROXIMATE)
FIGURE NOT TO SCALE
FIGURE 2-4
GEOPROBE BORING LOCATIONS
TETRA TECH EM INC.

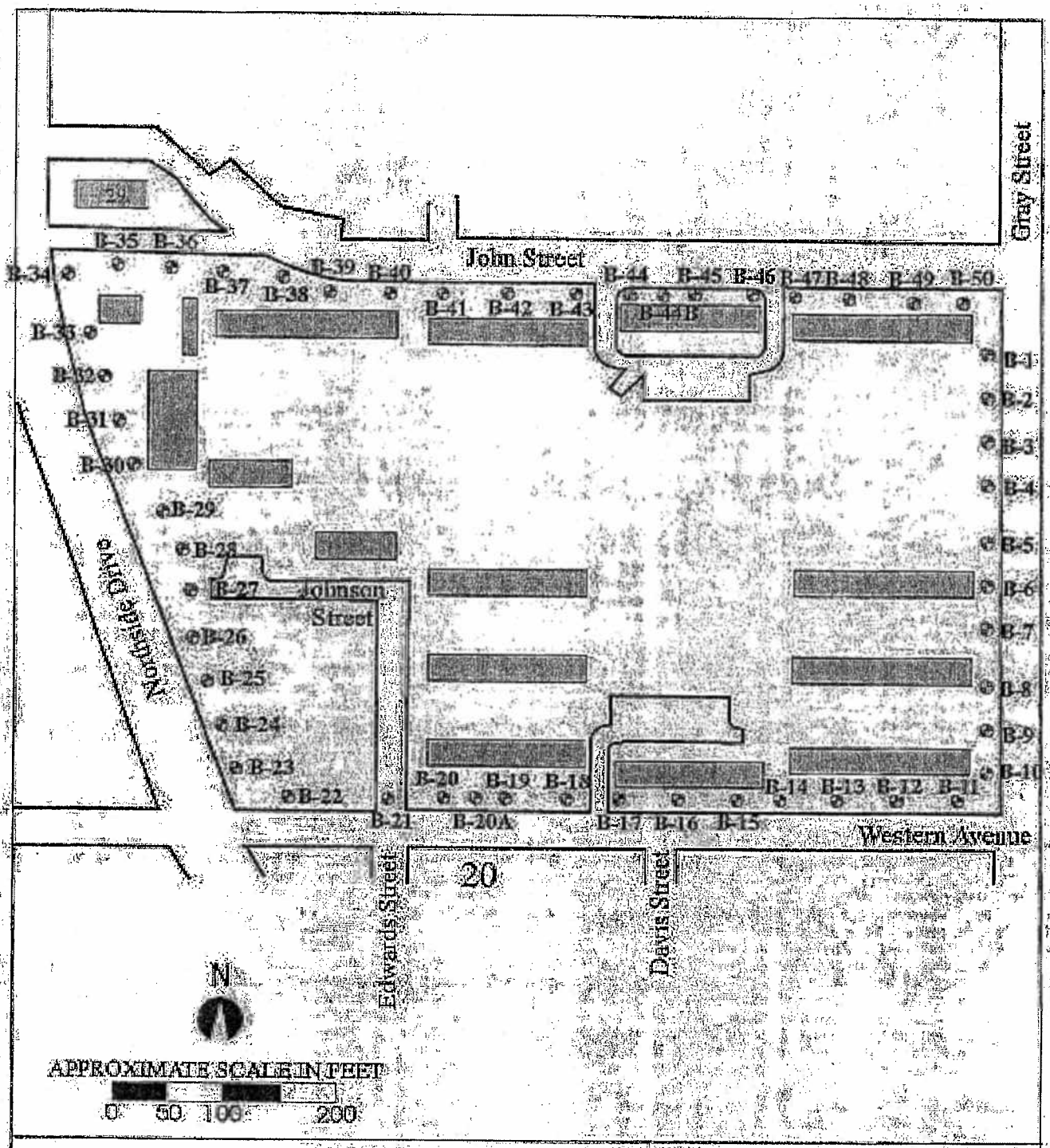


FIGURE 2-5

GEOTECHNICAL BORING LOCATIONS

TETRA TECH EM INC.

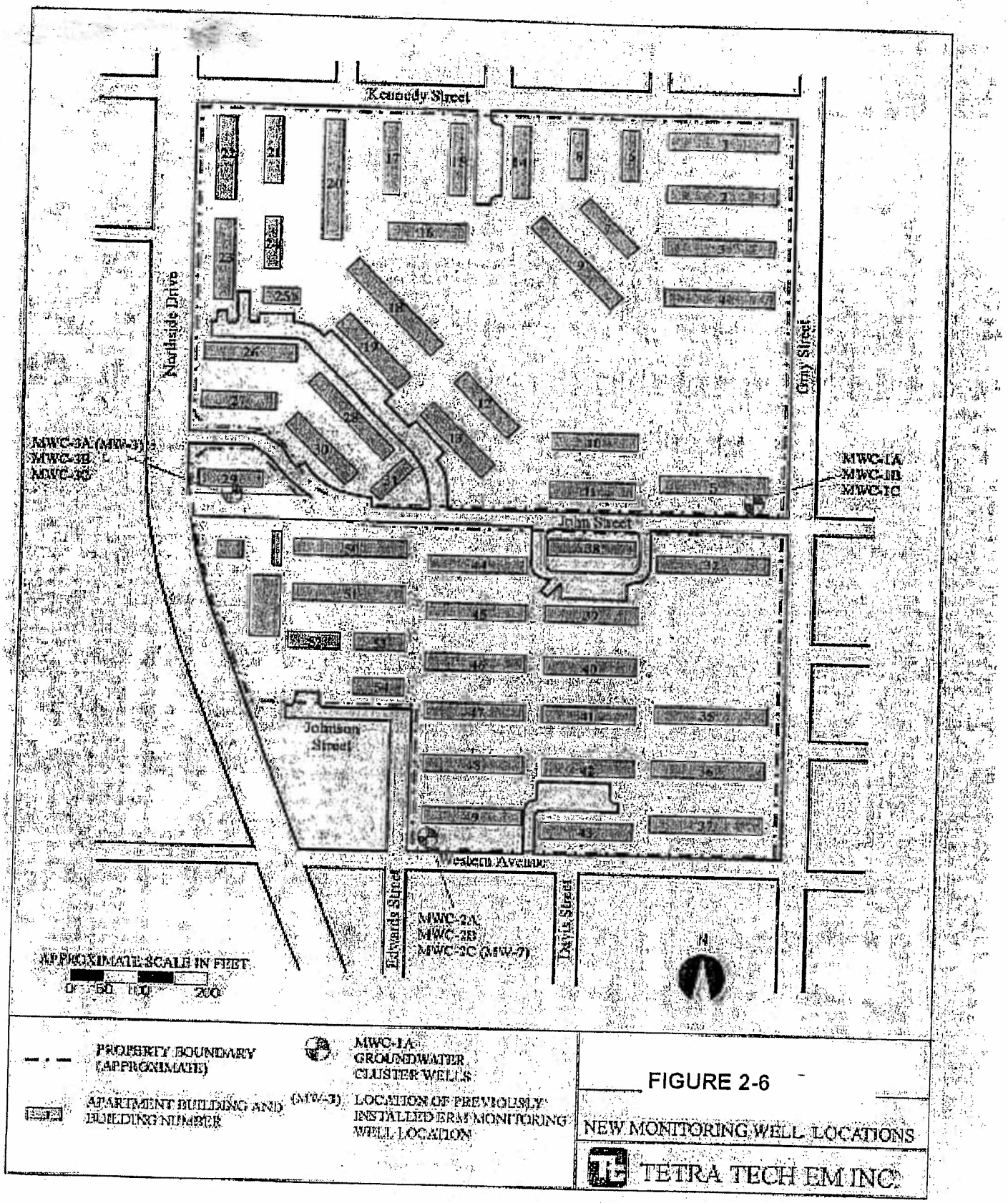


FIGURE 2-6

NEW MONITORING WELL LOCATIONS

TETRA TECH EM INC

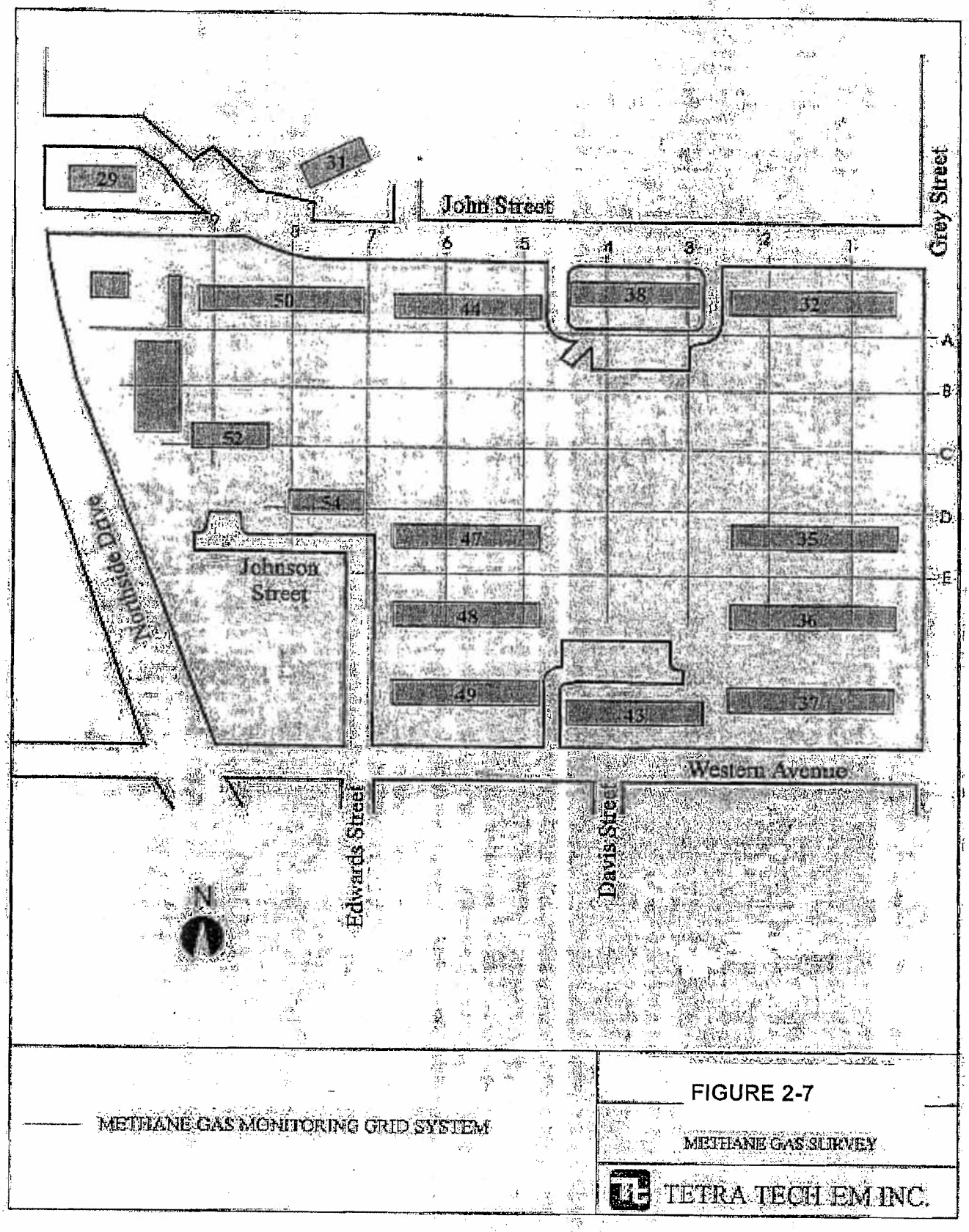
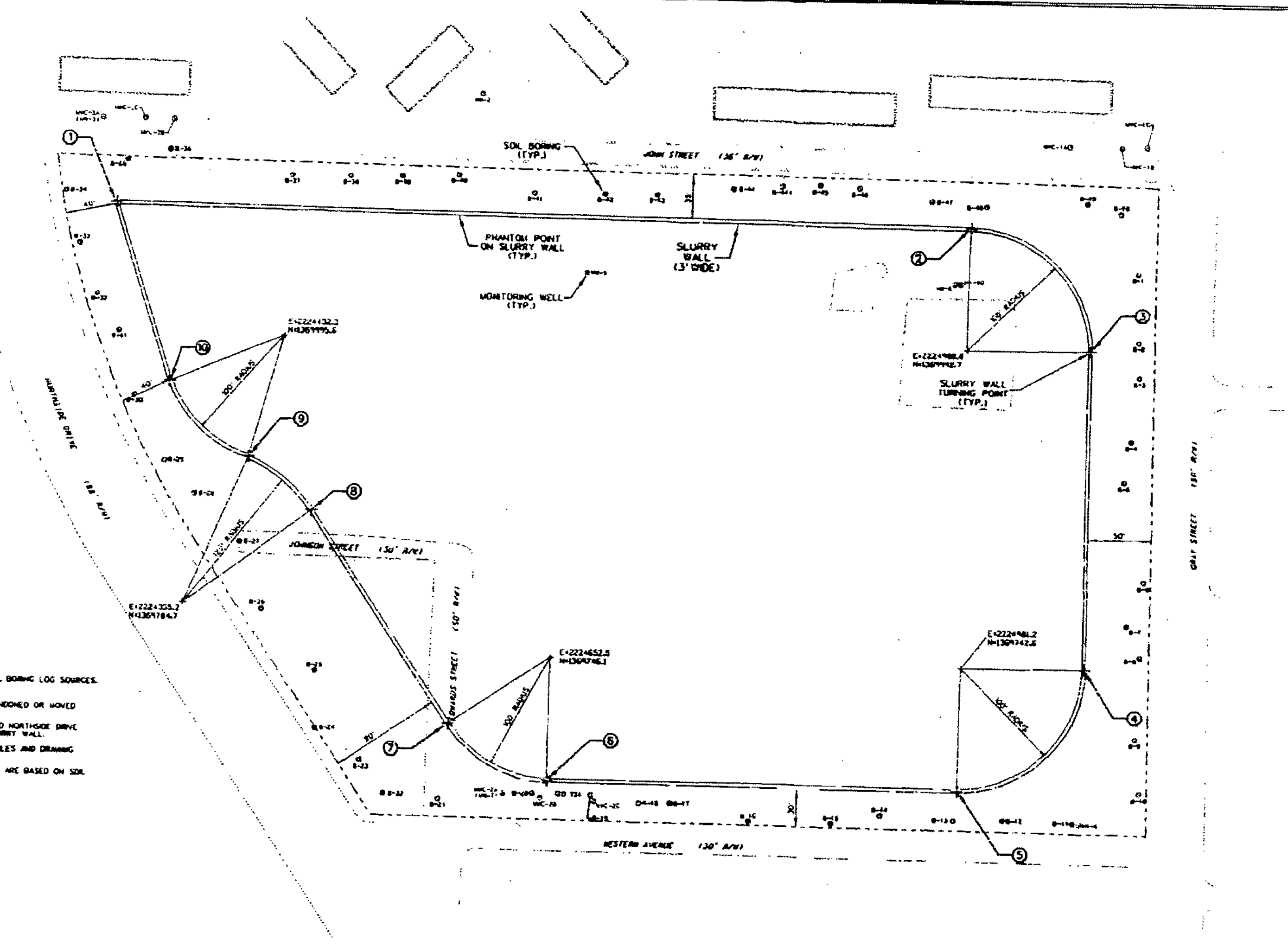


FIGURE 2-7

METHANE GAS SURVEY

TETRA TECH EM INC.

TURNING POINTS	COORDINATES		STATION
	EASTING	NORTHING	
①	2224295.4	1370106.2	0+00
②	2224982.1	1370091.2	6+87
③	2225078.1	1369993.0	8+40
④	2225078.7	1369742.9	10+90
⑤	2224980.2	1369844.1	12+48
⑥	2224631.4	1369847.8	15+75
⑦	2224370.8	1369851.0	16+70
⑧	2224437.1	1369858.7	18+73
⑨	2224405.3	1369900.9	19+40
⑩	2224341.0	1369858.6	20+30



NOTES:

1) SEE CONSTRUCTION SPECIFICATION SECTION 01110 FOR SOIL BORING LOG SOURCES.
2) CENTER LINE TOLERANCE ±2 FEET.
3) SEE DRAWINGS NO. C-1 AND C-2 FOR UTILITIES TO BE ABANDONED OR MOVED BY CONTRACTOR PRIOR TO SLURRY WALL CONSTRUCTION.
4) EXCAVATION OF WASTE MATERIAL ALONG JOHN STREET AND NORTHSIDE DRIVE SHALL BE COMPLETED BEFORE CONSTRUCTION OF THE SLURRY WALL.
5) SEE DRAWINGS NO. C-10 AND C-11 FOR SLURRY WALL PROFILES AND DRAWING NO. C-16 FOR SLURRY WALL DETAILS.
6) PHANTOM POINTS (SOIL BORINGS) SHOWN ON SLURRY WALL ARE BASED ON SOIL BORINGS LOCATED PERPENDICULAR FROM EACH POINT.

-N-

SCALE IN FEET: 40 0 40 80 120

2	4-30-01	ISSUED FOR PERMITTING	L. GRIFFITH			
1	4-4-01	ISSUED FOR REGULATORY REVIEW	J. WIGGINS	CFB	PEO	PEO
0	12-12-00	ISSUED FOR CLIENT REVIEW	J. WIGGINS	CFB	PEO	PEO

SLURRY WALL PLAN
NORTHSIDE DRIVE LANDFILL - ATLANTA, GEORGIA
STATE OF GEORGIA
ENVIRONMENTAL PROTECTION DIVISION
TETRA TECH EM INC.

661778-06
515A
AS SHOWN
C-9
2

FIGURE 2-8

ITEM #4.d.iii – Description Of Any Human Or Environmental Receptors

p. 33 of the August 19, 2003 CSR

VI. Receptor Survey

Exposure of nearby residents to regulated substances has been substantially eliminated by the construction of the landfill cap and slurry wall. No drinking water wells or surface water bodies are present at Parcel 10. The Conservation Easement and Operation and Maintenance Plan provide a mechanism to maintain the effectiveness of the Type V remedy.

ITEM #4.d.iii – Description Of Any Human Or Environmental Receptors

p. 33 of the September 1, 2005 CSR

VI. Receptor Survey

Exposure of nearby residents to regulated substances has been substantially eliminated by the construction of the landfill cap and slurry wall on Parcels 12 and 3 and the engineered concrete sidewalk cap and asphalt roadbed on Parcel 3. No drinking water wells or surface water bodies are present at Parcels 12 or 3. The Conservation Easement and Monitoring and Maintenance Plan will provide a mechanism to maintain the effectiveness of the Type V remedy.