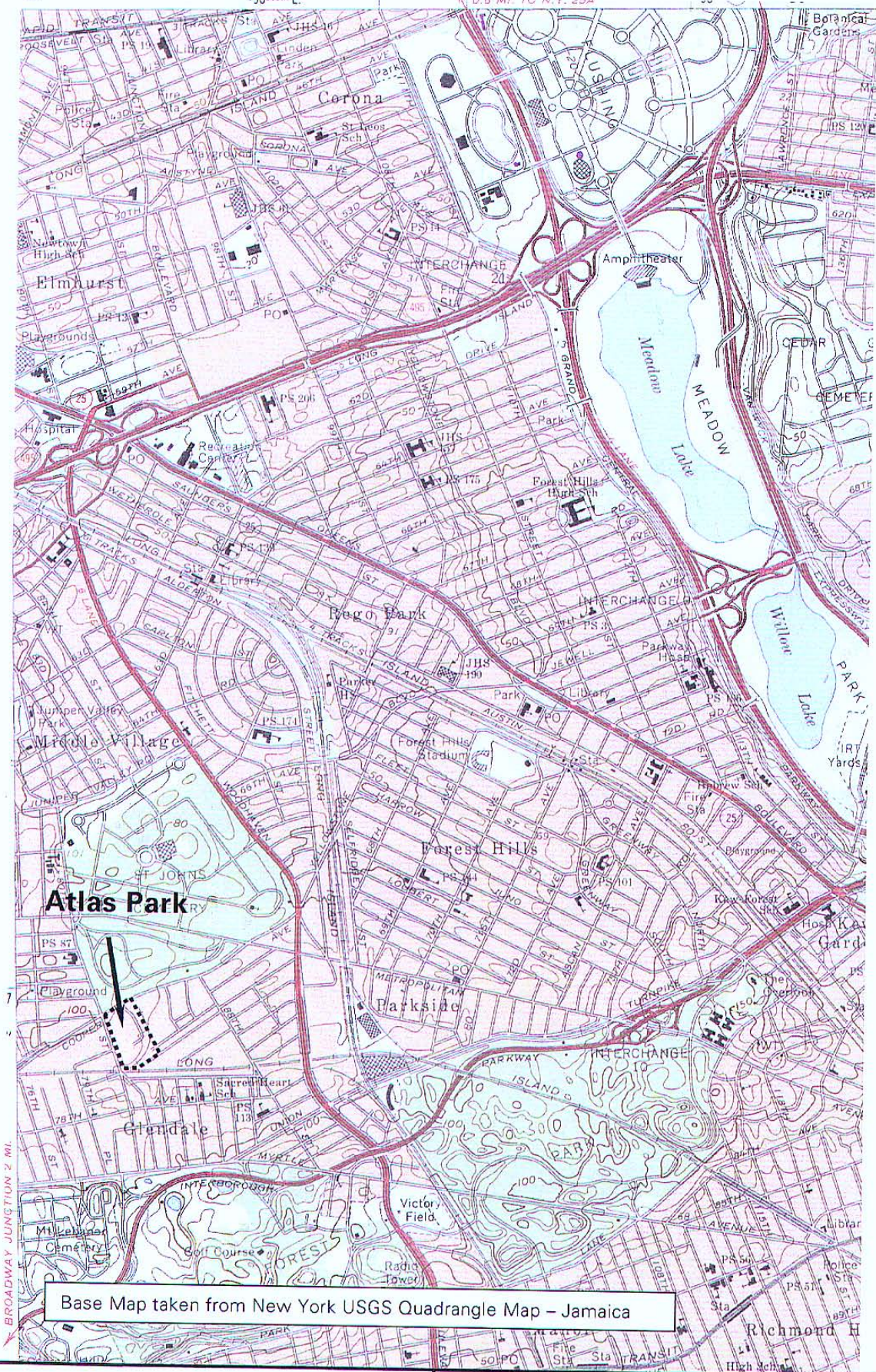


30"

596000m E

R.D. 5 MI. 10 N.Y. 204



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TOPOGRAPHIC MAP OF PROJECT SITE

ATLAS PARK

REMEDIAL INVESTIGATION

Queens

New York

PROJ. NO.

5555107

SCALE:

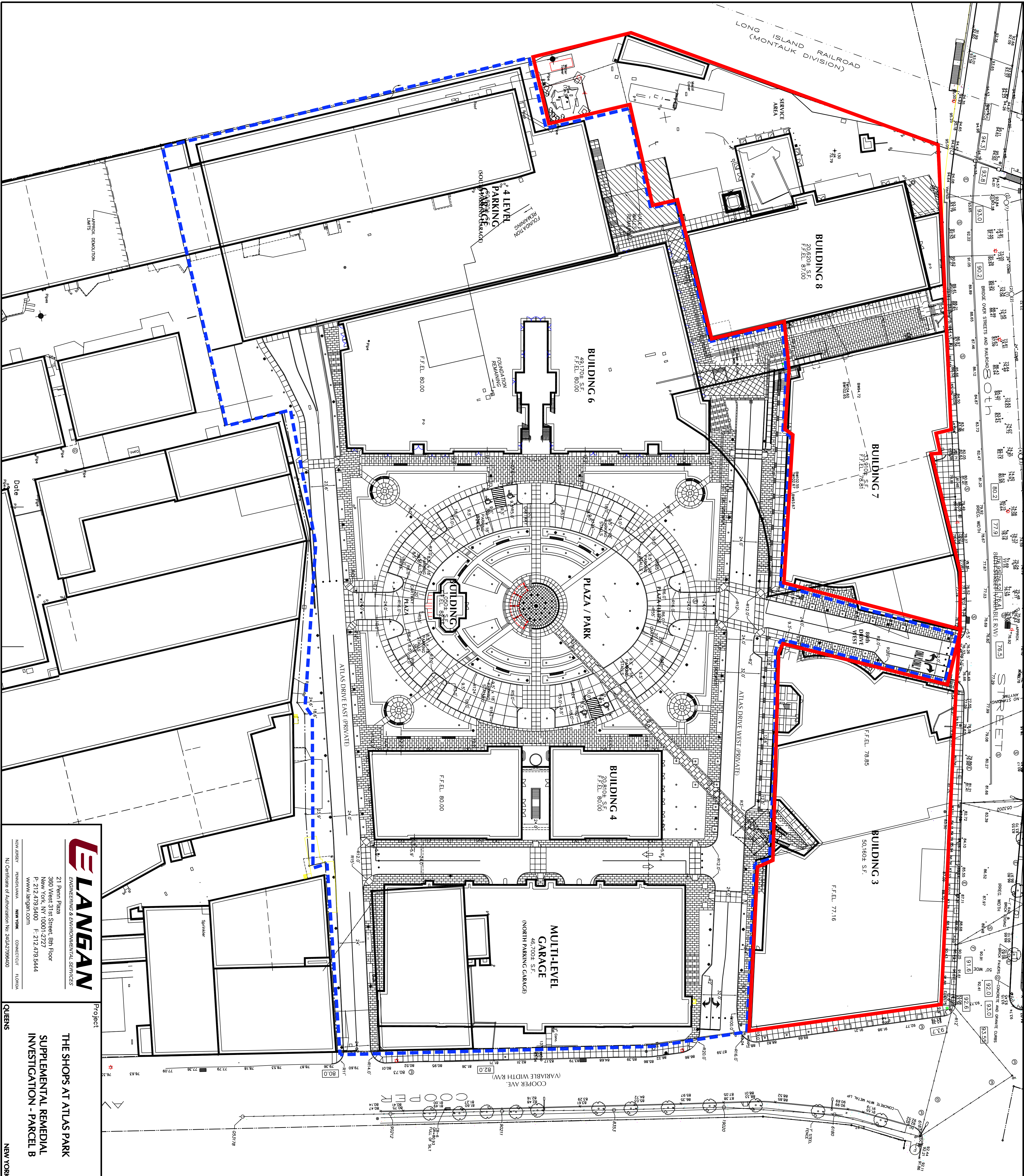
NTS

DATE

1/12/05

FIG:

1



LEGEND

--- SITE BOUNDARY

EXISTING BUILDINGS

PROPOSED BUILDINGS

PARCEL A BOUNDARY

PARCEL B BOUNDARY

NOTES

1. BASE SURVEY PLAN WAS OBTAINED FROM A DRAWING TITLED CITY OF NEW YORK, COUNTY OF QUEENS, TAX BLOCK 9810, TAX LOT 2, BY MONTROSE SURVEYING CO., LLP, DATED 17 DECEMBER 2001 SUPPLIED BY ATCO.
2. ELEVATIONS ARE REFERENCED TO BOROUGH PRESIDENT OF QUEENS TOPOGRAPHICAL DATUM, WHICH IS 2.225 FT. ABOVE NGVD 1929 MEAN SEA LEVEL AT SANDY HOOK, NJ. (BPG-USGS 2,725 FT.).
3. PROPOSED SITE LAYOUT AND BUILDING LOCATIONS ARE TAKEN FROM THE LANGAN BASE DRAWING TITLED 5555111_301.

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NY Certificate of Authorization No. Z6042829400

Project

THE SHOPS AT ATLAS PARK
SUPPLEMENTAL REMEDIAL
INVESTIGATION - PARCEL B

Drawing Title

ATLAS PARK
PARCEL A AND
PARCEL B

Project No. 5555113

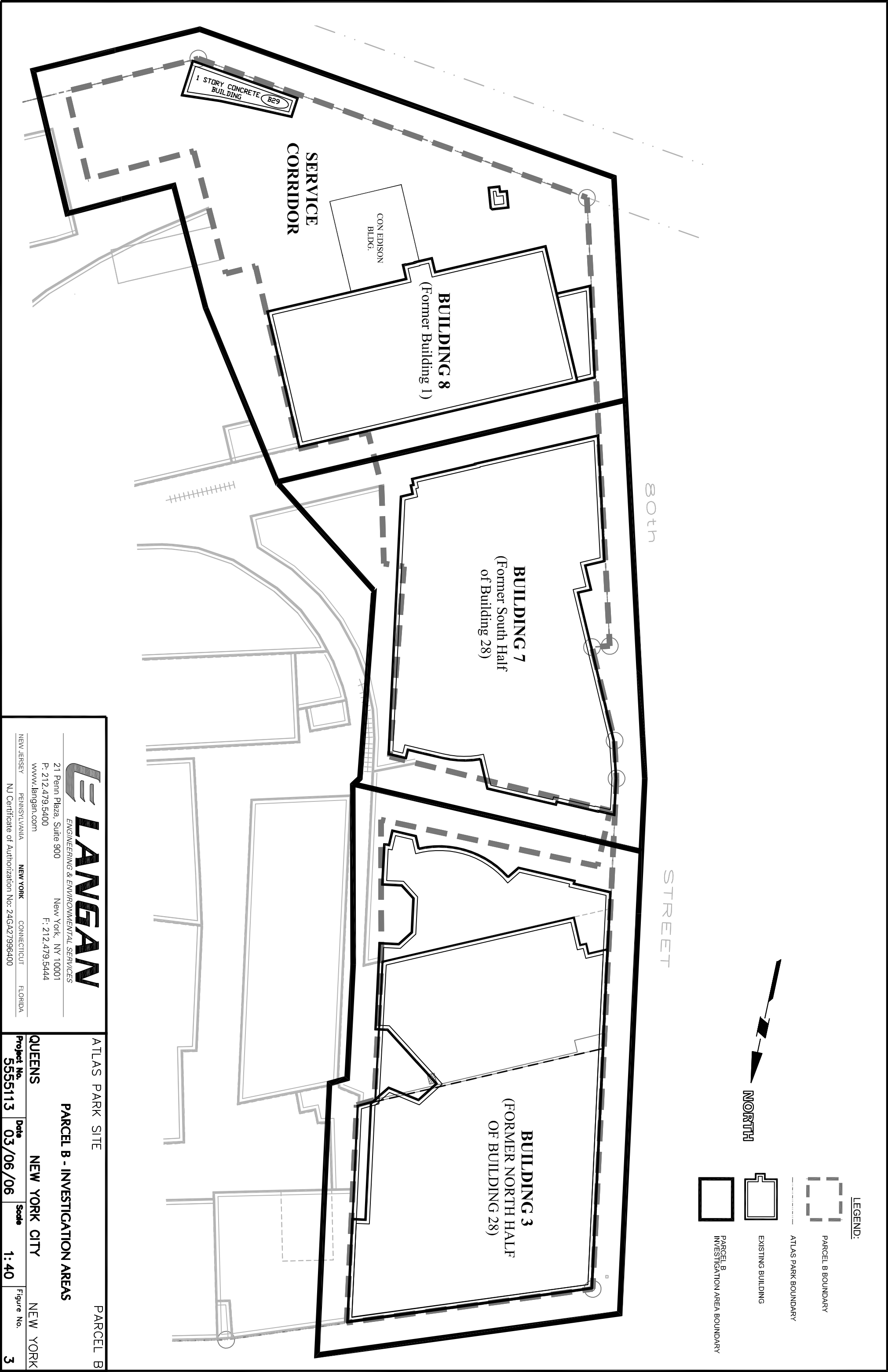
Drawing No. 2

Date 02/07/06

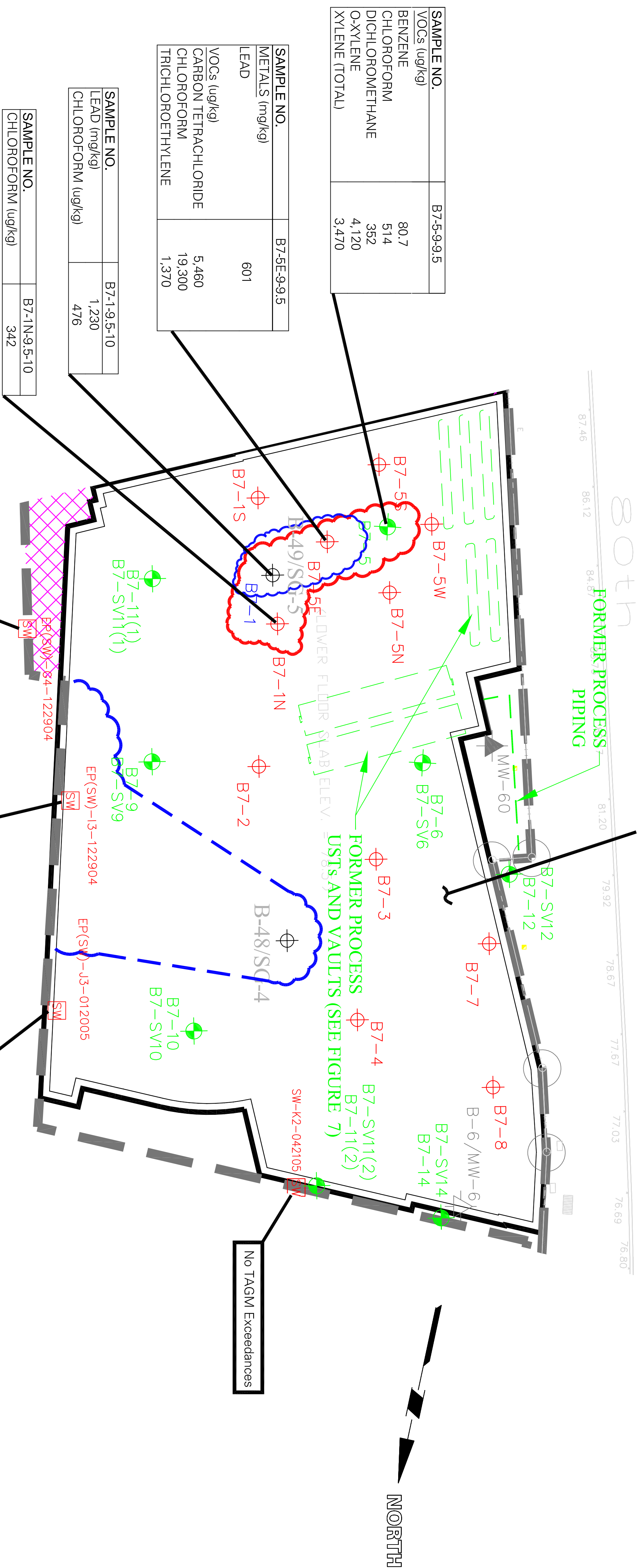
Scale 1"=40'

Drn. By JB

Last Revised 02/04/06



BUILDING 7
(FORMER SOUTH HALF
OF BUILDING 28)



NORTH

LEGEND

ATLAS PARK SITE - PARCEL B

ALLEYWAY AND SOUTH EAST CORNER OFF BUILDING 7
REMEDIED TO TRACK 1 CLEANUP LEVELS.

INFERRED AREAS OF VOCs IN SOIL ABOVE RSCOS

INFERRED AREAS OF LEAD IN SOIL ABOVE RSCO

INFERRED AREAS OF SVOCs IN SOIL ABOVE RSCO
(SEE JANUARY 2005 RI REPORT FOR RESULTS)

SRI SAMPLING LOCATIONS

SOIL BORING AND SOIL VAPOR SAMPLING LOCATION
(SY- SOIL VAPOR SAMPLE IDENTIFIER)

SOIL BORING/SAMPLING LOCATION ONLY
(SV= SOIL VAPOR SAMPLE IDENTIFIER)

SITE PERIMETER SOIL VAPOR SAMPLING LOCATION

GROUNDWATER MONITORING WELL INSTALLATION/SAMPLING (SOIL SAMPLES ALSO COLLECTED DURING DRILLING FOR LAB ANALYSIS AT MW-60 AND MW-61; SEE REPORT TEXT)

INITIAL RI SAMPLING LOCATIONS

B-55  SOIL SAMPLING LOCATION

B-1/SG-1
⊕

SOIL AND SOIL VAPOR SAMPLING LOCATION

B-6/MW-6
INITIAL RI WELLS DESTROYED (MW-6, MW-16 AND MW-38) AND REPLACED IN KIND AND RE-SAMPLED DURING THE SUPPLEMENTAL RI.

EXISTING RI MONITORING WELL LOCATIONS. (MW-16, MW-57, MW-58, AND MW-UST#2) SAMPLED DURING THE SUPPLEMENTAL RI.

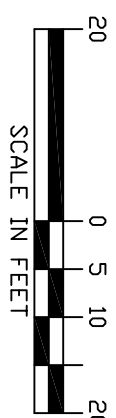
OTHER RI SAMPLING LOCATIONS

PARCEL A REMEDIATION ENDPOINT (SIDEWALL) SOIL SAMPLING LOCATION WITH RSCO EXCEEDANCES NOTED, IF ANY (TESTED FOR FULL TAGM-4046 PARAMETERS LIST)

OTHER AREAS INVESTIGATED DURING SITE RENOVATION, WITH
ENDPOINT SAMPLING LOCATIONS (TESTED FOR VARIOUS ANALYTES, SEE
REPORT TEXT)

BASE MAP NOTES:

1. BASE SURVEY PLAN WAS OBTAINED FROM A DRAWING TITLED CITY OF NEW YORK, COUNTY OF QUEENS, TAX BLOCK 3810, TAX LOT 2, BY MONTROSE SURVEYING CO., LLP, DATED 17 DECEMBER 2001 SUPPLIED BY ATCO.



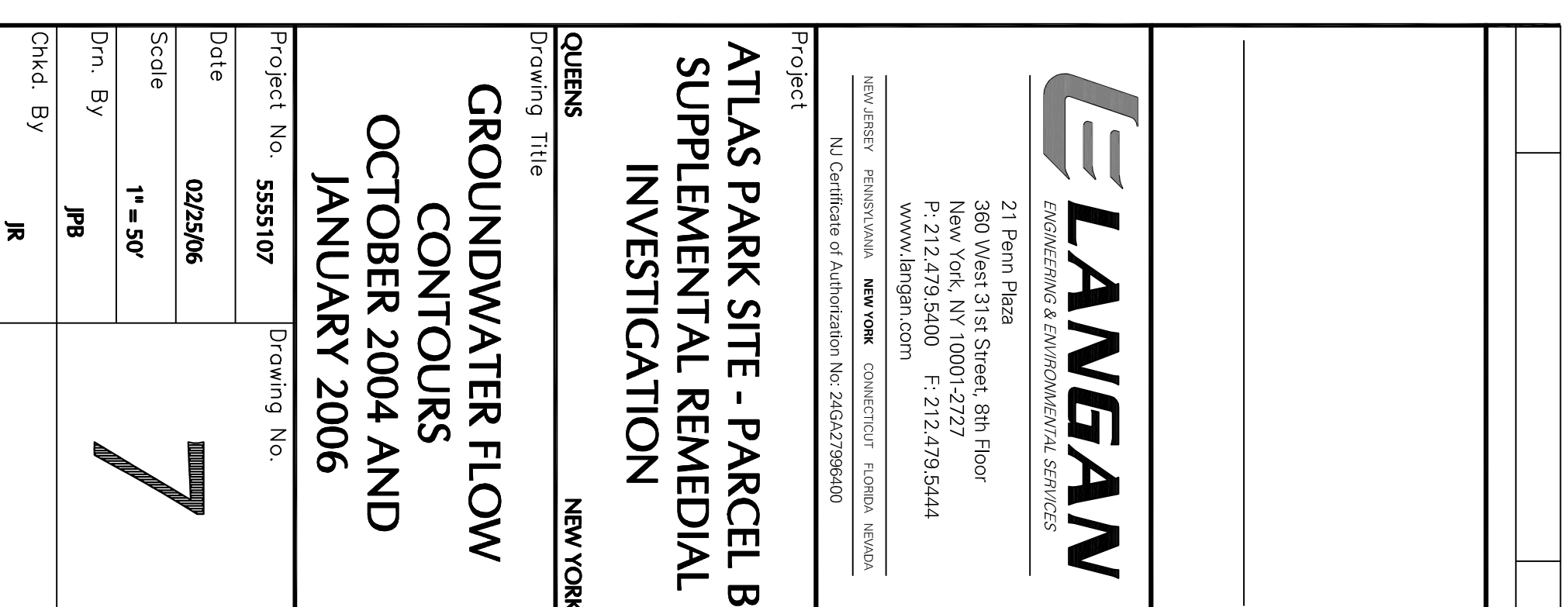
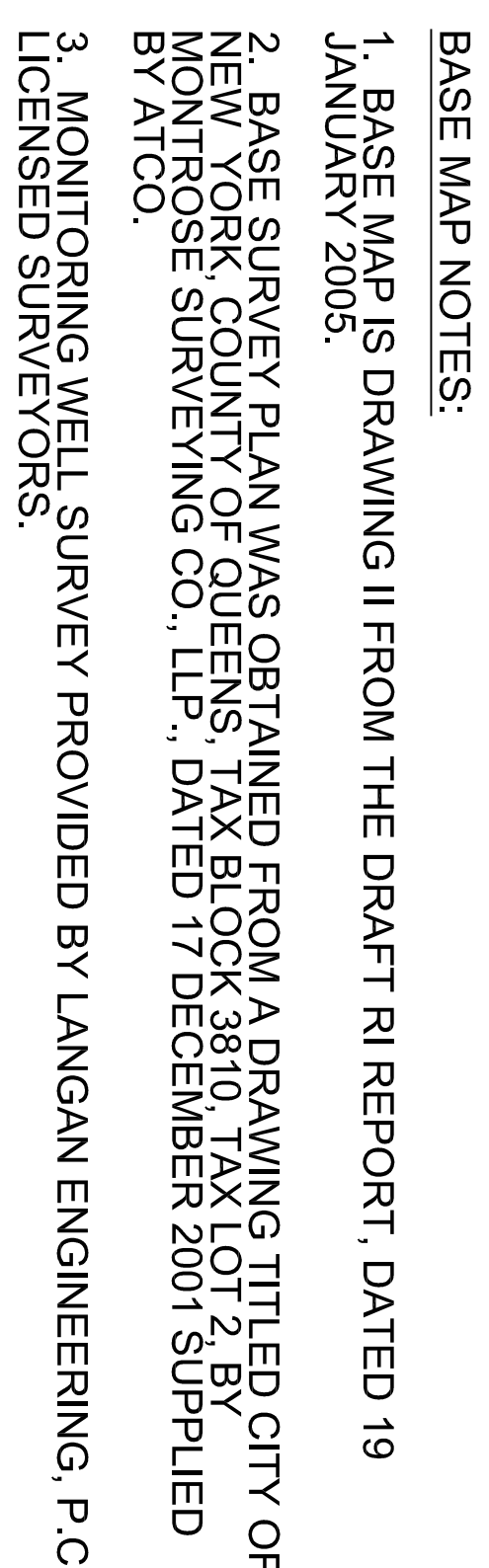
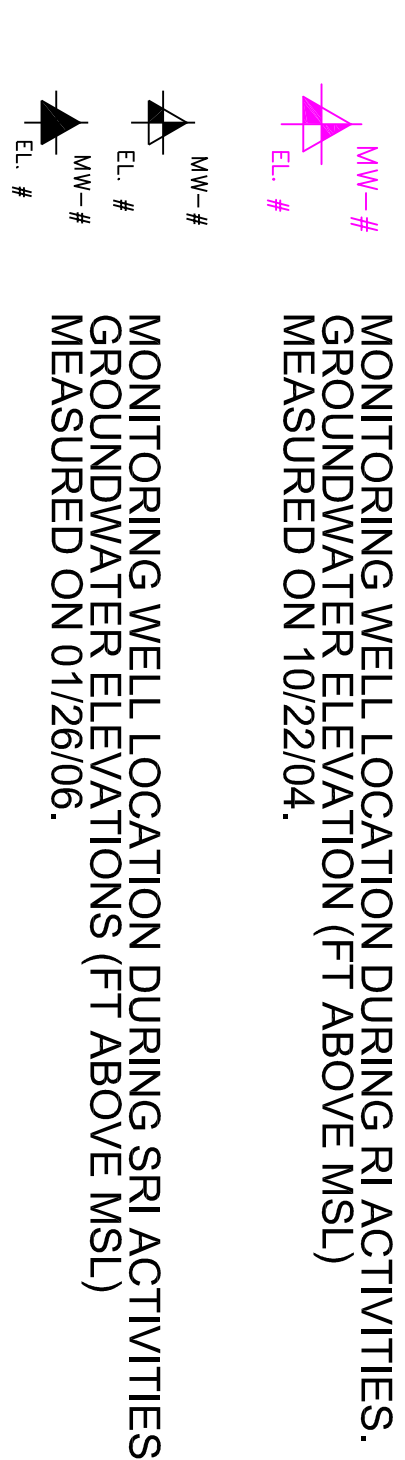
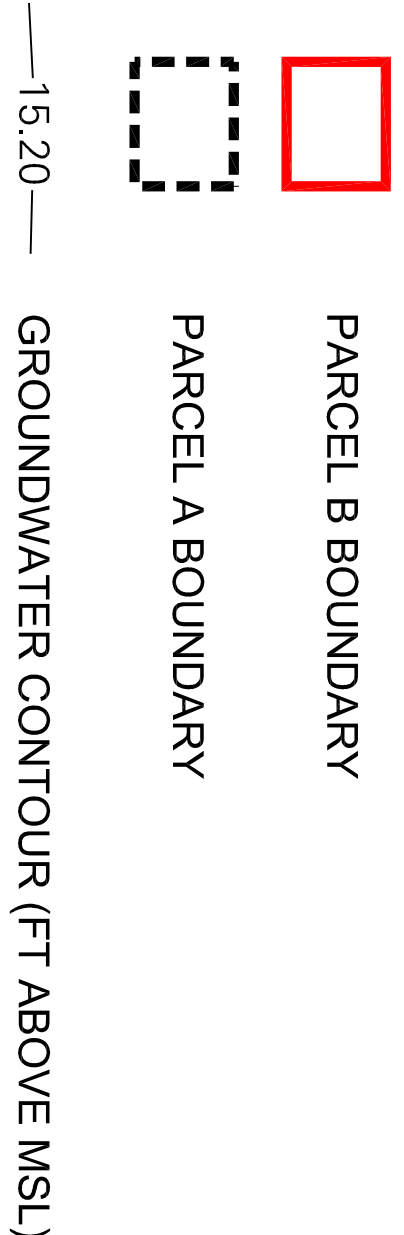
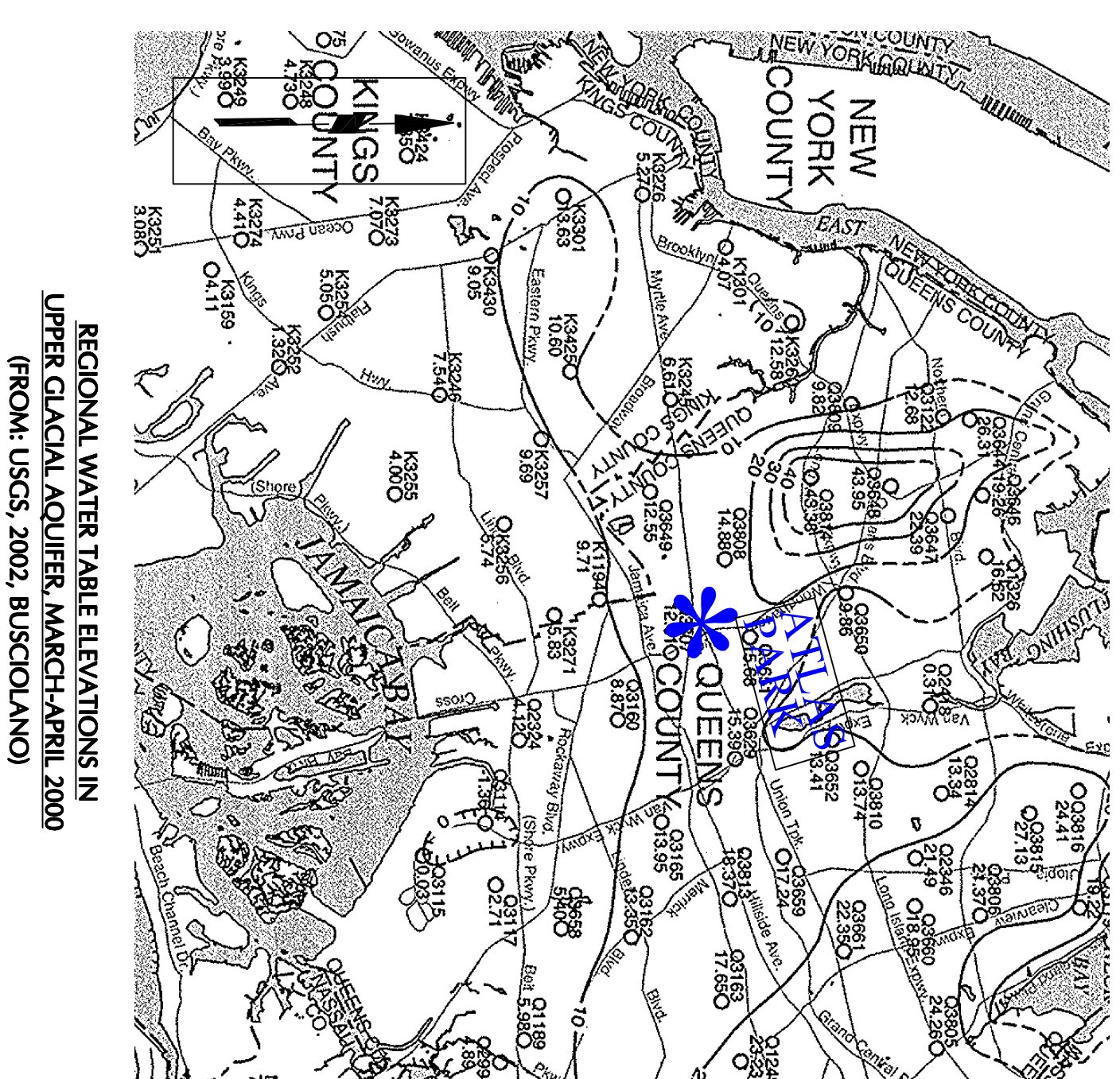
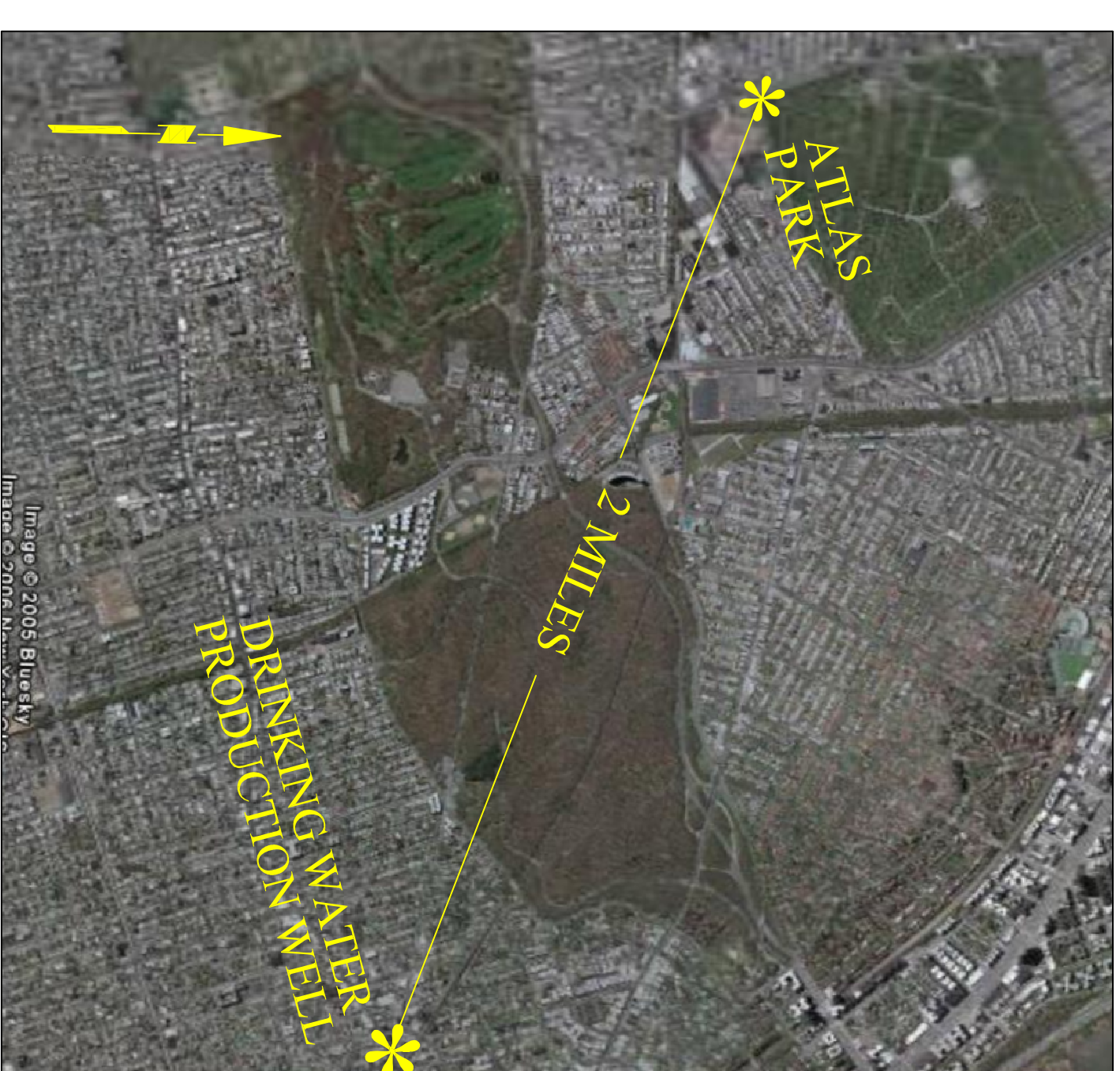
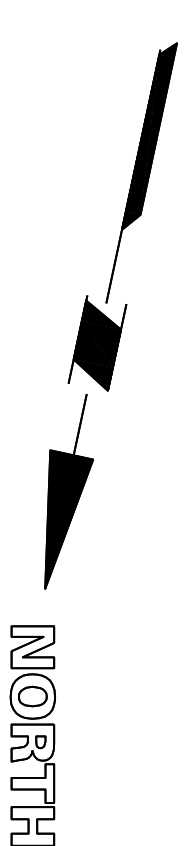
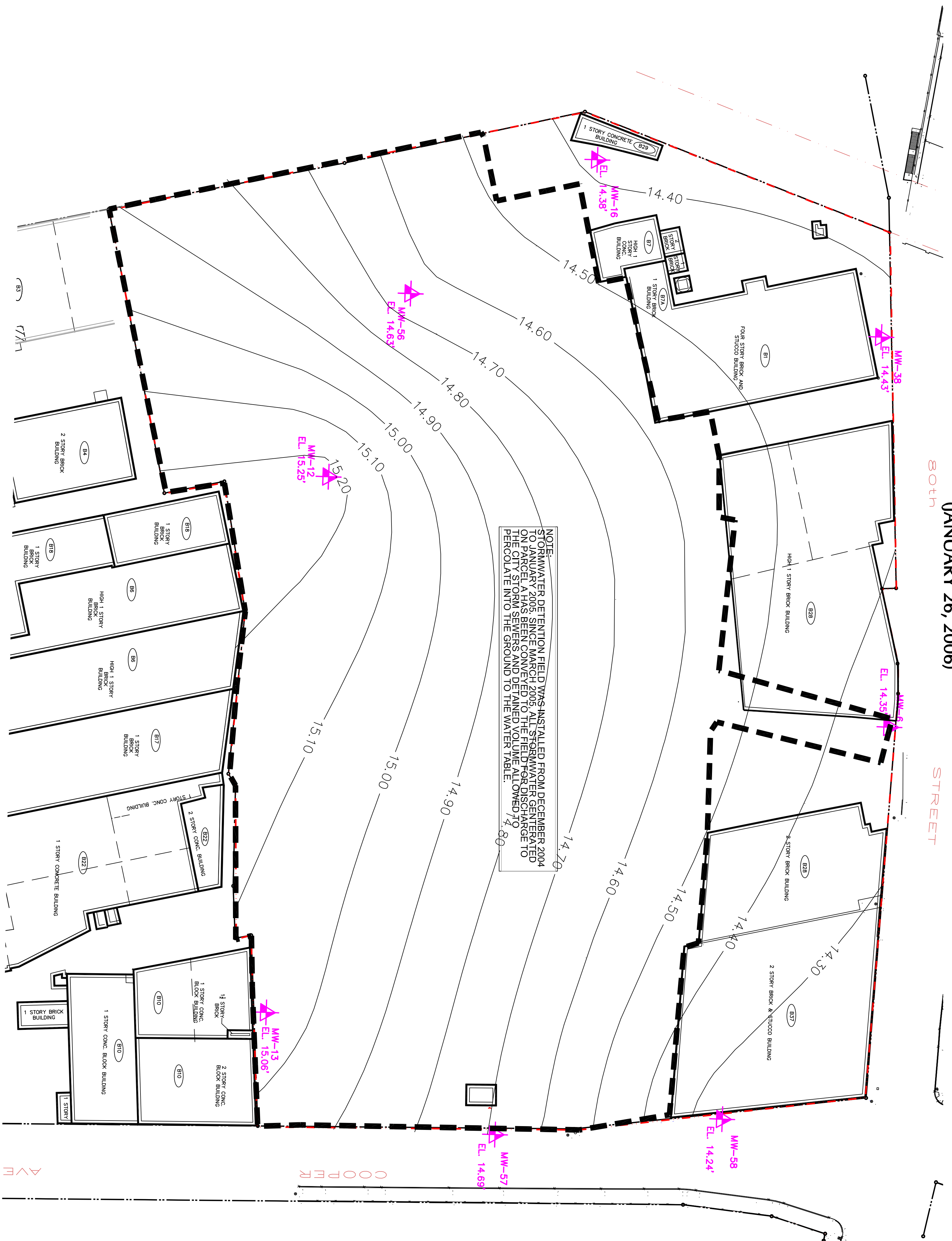
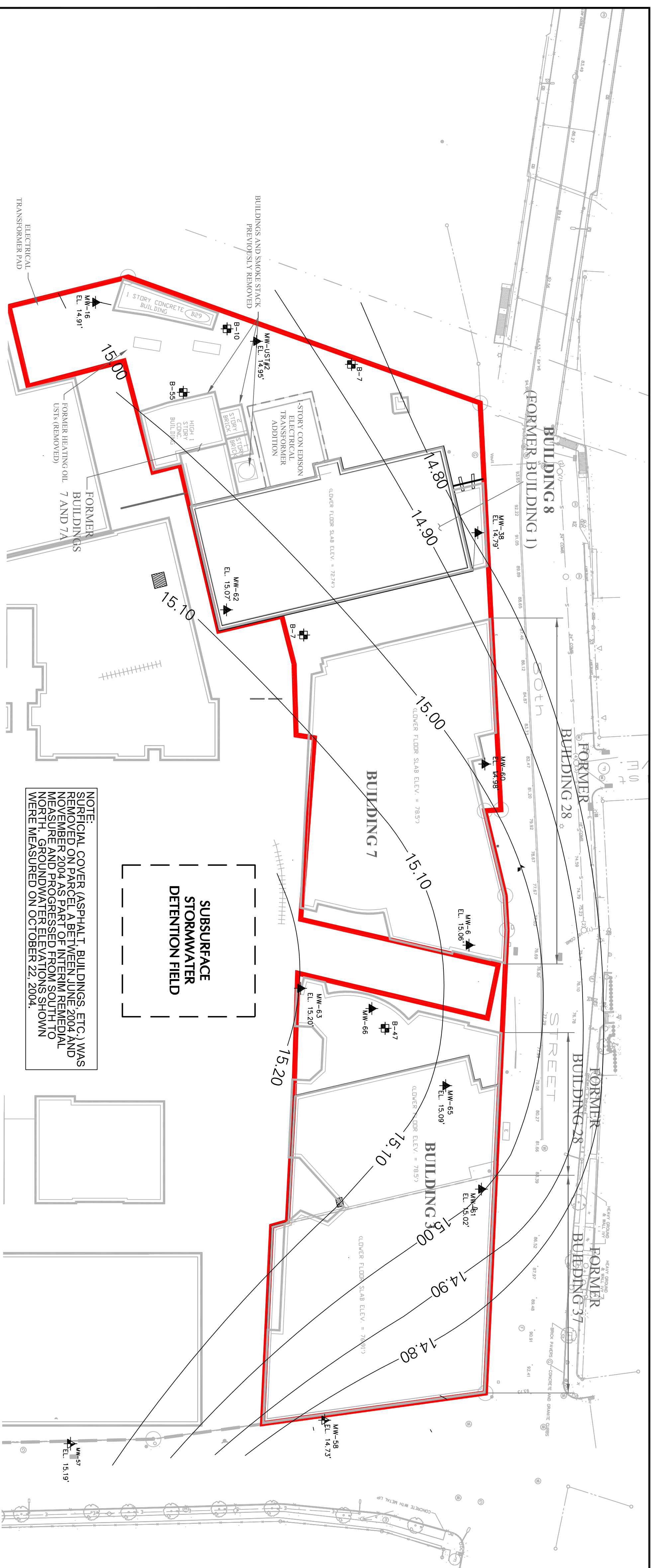
COMPOUND	NYSDC TAGM 4046 RSCO (ug/kg except for lead)
LEAD	500 mg/kg
BENZENE	60
CHLOROFORM	300
DICHLOROMETHANE	100
ETHYLBENZENE	5,500
METHYLBENZENE	1,500
CARBON TETRACHLORIDE	600
TETRACHLOROETHENE	1,400
TRICHLOROETHYLENE	700
OXYLENE	1,200
XYLENE (TOTAL)	1,200

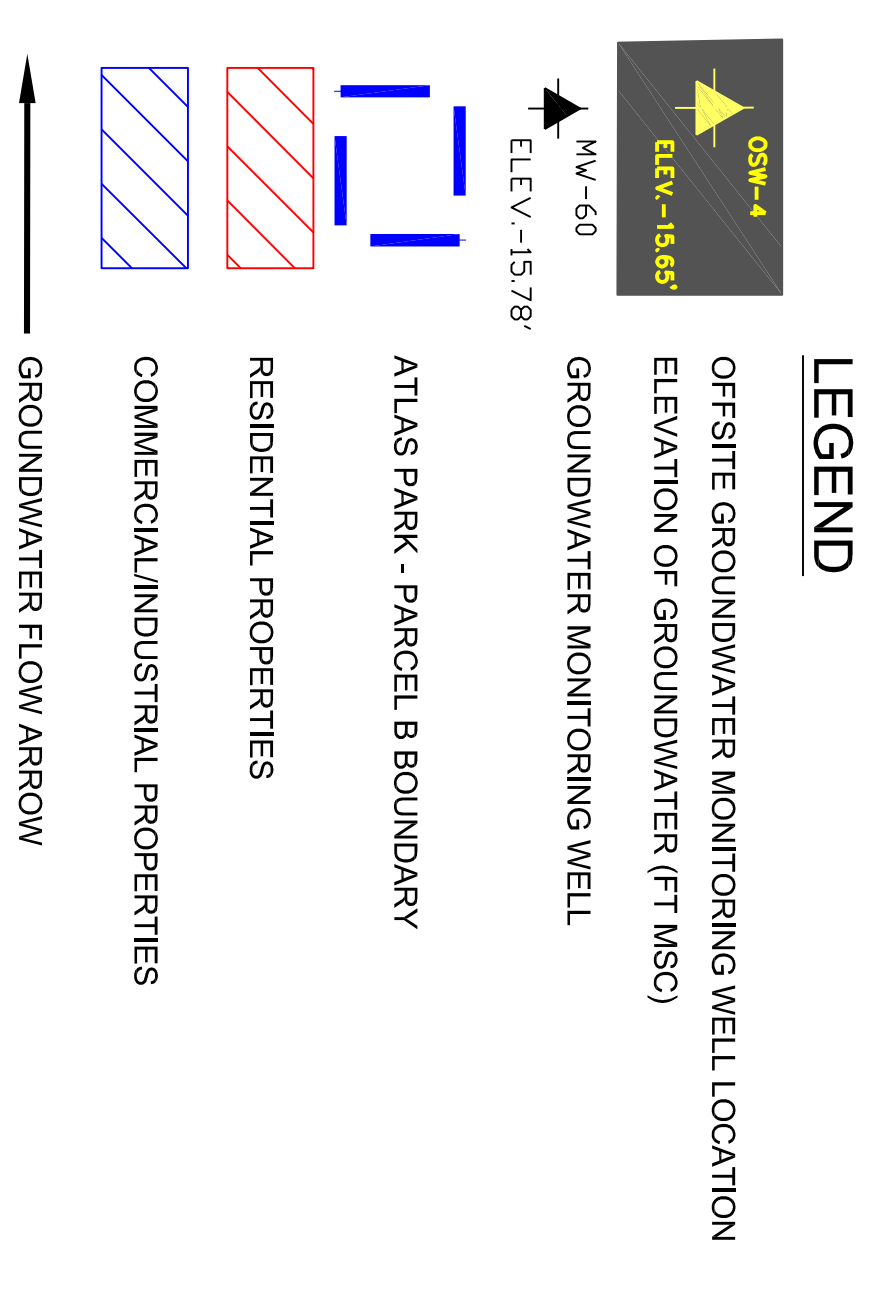
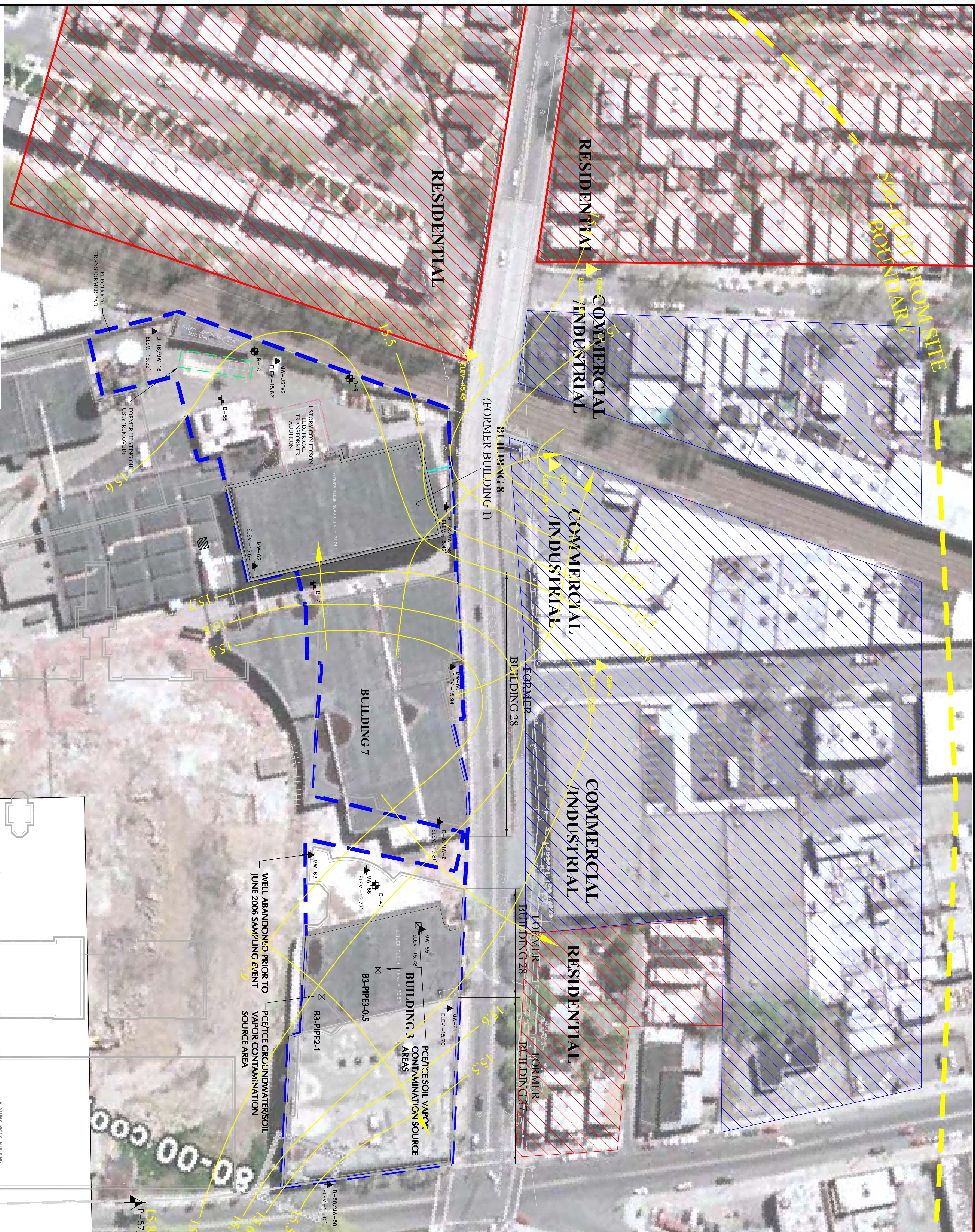
SAMPLE NO.	EP(S)W/G4-122904
VOCS	No TAGM Exceedances
SVOCs (ug/kg)	
BENZO (A) PYRENE	120 J
TOTAL SVOCs	1256
METALS (mg/kg)	
Mercury	mg/kg 0.23 JV

SAMPLE NO.	EPISW-13-122904
VOCs	No TAGM Exceedances
SVOCs (ug/kg)	320 JH
BENZO (A) PYRENE	410 JH
CHRYSENE	2510
TOTAL SVOCs	
METALS (mg/kg)	
ARSENIC	16.8 NJV
BARIUM	2090 NJV
CADMIUM	6.8
CHROMIUM	286 V
COPPER	633 J
LEAD	1500
MERCURY	0.23 D-10 JV

SAMPLE NO.	EPISM/H-3-122904
SVOCs	No TAGM Exceedances
BENZO (a) ANTHRACENE	520 J
BENZO (a) PYRENE	450 J
BENZO (b) FLUORANTHENE	420 JV
BENZO (k) FLUORANTHENE	360 J
CHRYSENE	600 J
DIBENZ (A,H) ANTHRACENE	170 J
PHENOL	2300
TOTAL SVOCs	10019 D+2 JV
METALS (mg/kg)	
ARSENIC	13.2 NJV
COPPER	127 J

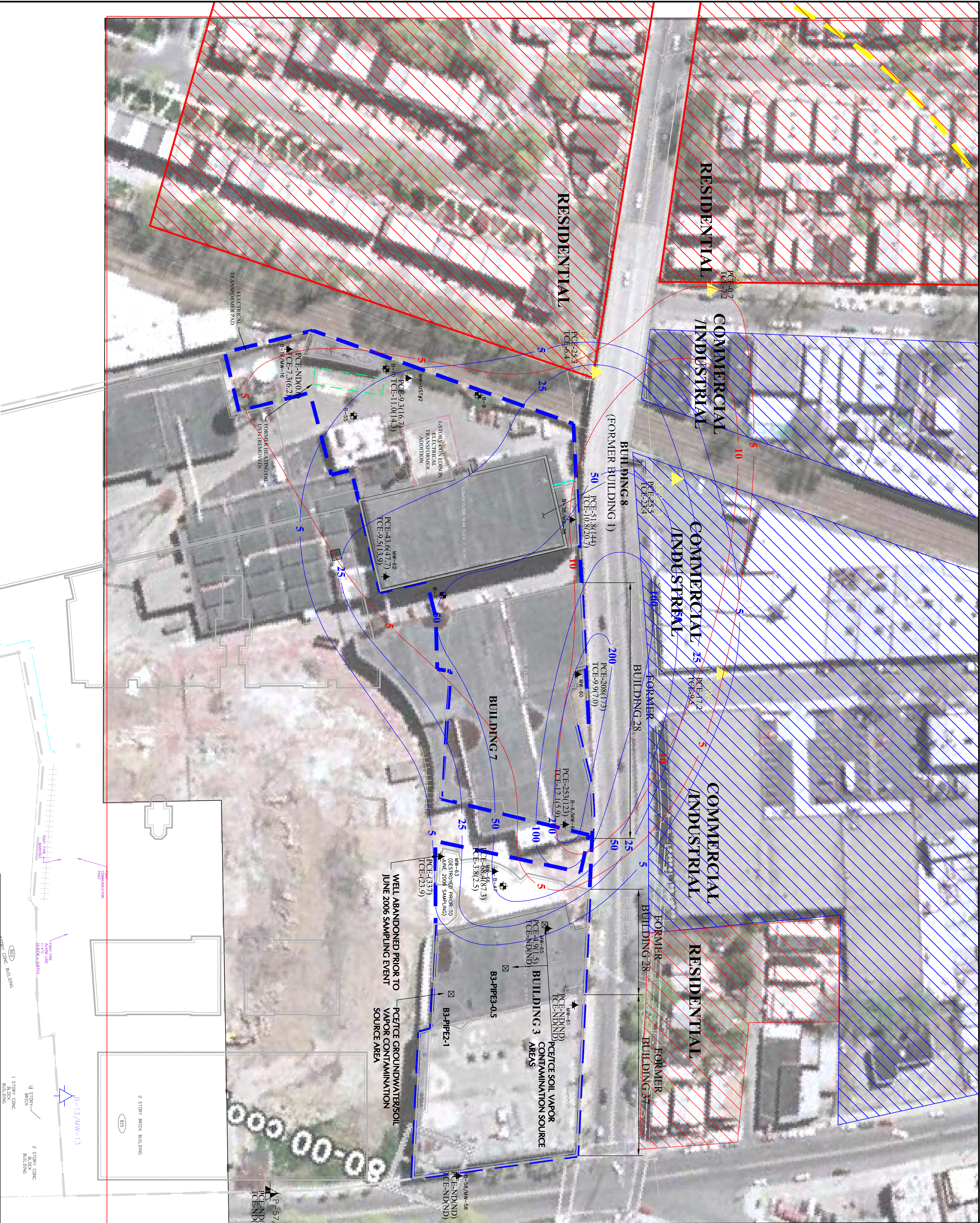
 LANGAN ENGINEERING & ENVIRONMENTAL SERVICES		Project ATLAS PARK SITE- PARCEL B SUPPLEMENTAL REMEDIAL INVESTIGATION REPORT		Drawing Title BUILDING 7 SRI SAMPLING LOCATIONS AND NYSDEC RSCO EXCEEDANCES IN SOIL		Project No. 5555113 Figure No. 5	
21 Penn Plaza 350 West 57th Street 9th floor New York, NY 10019-2727 P: 212 678 5400 F: 212 679 5444 www.langan.com		NEW YORK		NEW YORK		Date 2/10/06 Scale 1"=20' Dwn. By jpb Lost / Revised JR	
HR: JERRY FERRARO/JOHN KEMP/JOHN COLLECTOR/ T. HARRIS		NY Certificate of Authorization No. Z16-2739-000		2 OF 3			





NOTE:

- 1) CONTOURS DASHED WHERE INFERRED.
- 2) BASEMAP WAS REFERENCED FROM GOOGLE EARTH(TM)
- 3) ALL MONITORING WELLS ONSITE WERE PREVIOUSLY SAMPLED IN FEBRUAR 2006. THOSE CONCENTRATIONS ARE SHOWN IN PARENTHESES.



LEGEND

- OSW-4
MONITORING WELL LOCATION
GROUNDWATER MONITORING WELL (PCE AND TCE CONCENTRATIONS IN ug/L)
- ATLAS PARK - PARCEL B BOUNDARY
- PCE CONCENTRATION (ug/L) - June 2006 Sample (PCE-48-487.3)
TCE CONCENTRATION (ug/L) - June 2006 Sample (TCE-3-812.5)
- RESIDENTIAL PROPERTIES
- COMMERCIAL/INDUSTRIAL PROPERTIES

- NOTE:
1) CONTOURS DASHED WHERE INFERRED.
2) BASEMAP WAS REFERENCED FROM GOOGLE EARTH(TM)
3) ALL MONITORING WELLS ON-SITE WERE PREVIOUSLY SAMPLED IN FEBRUARY 2006. THOSE CONCENTRATIONS ARE SHOWN IN PARENTHESES.

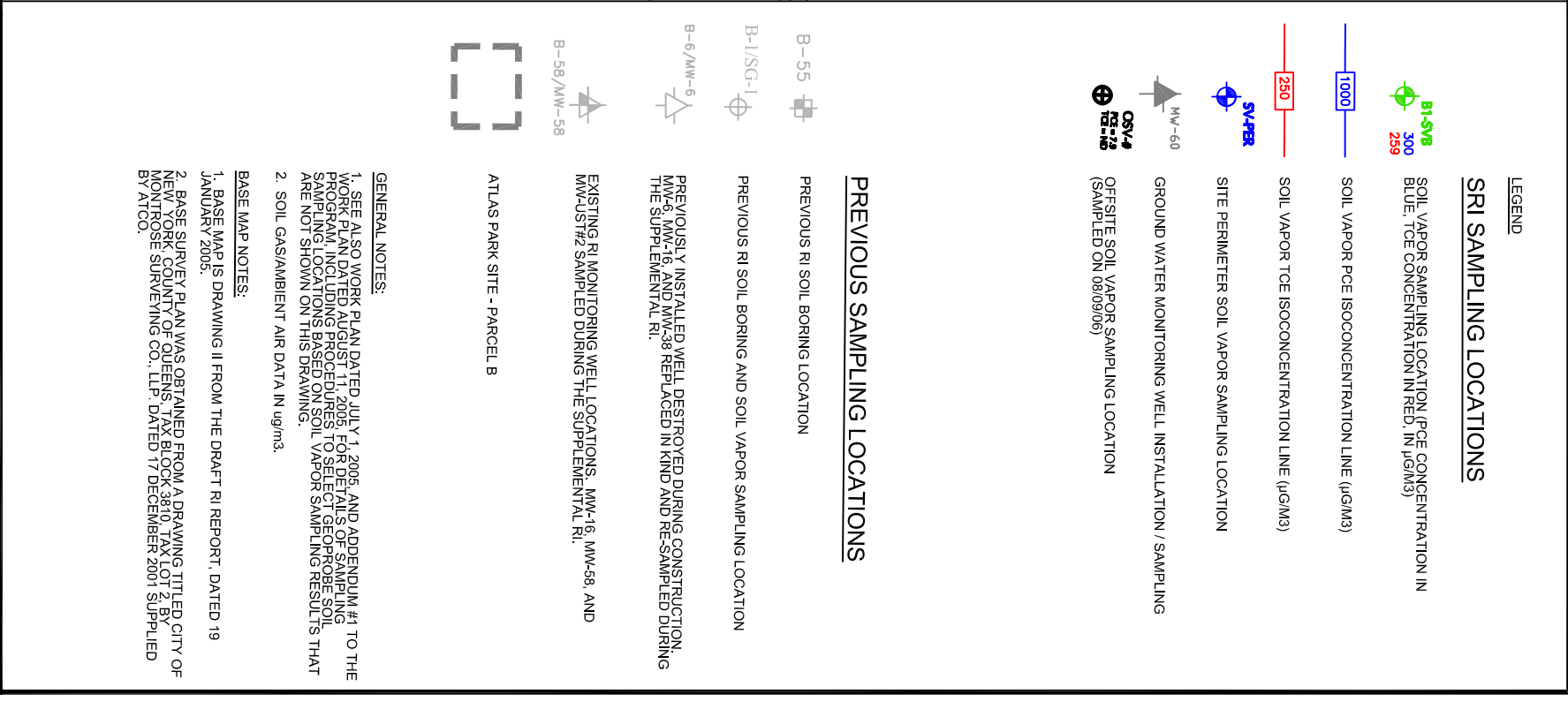
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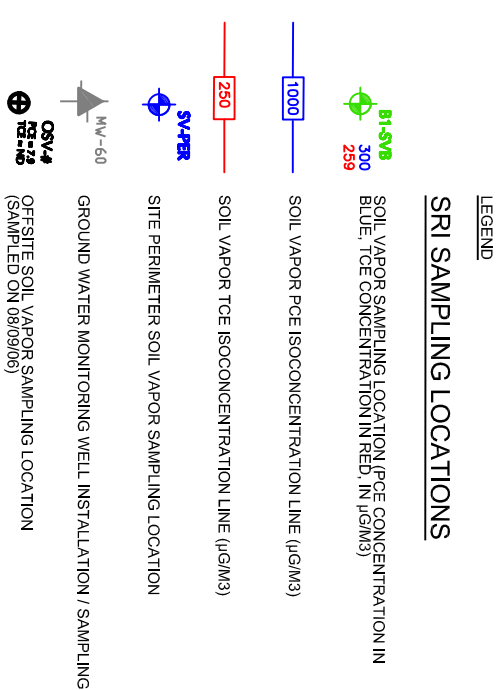
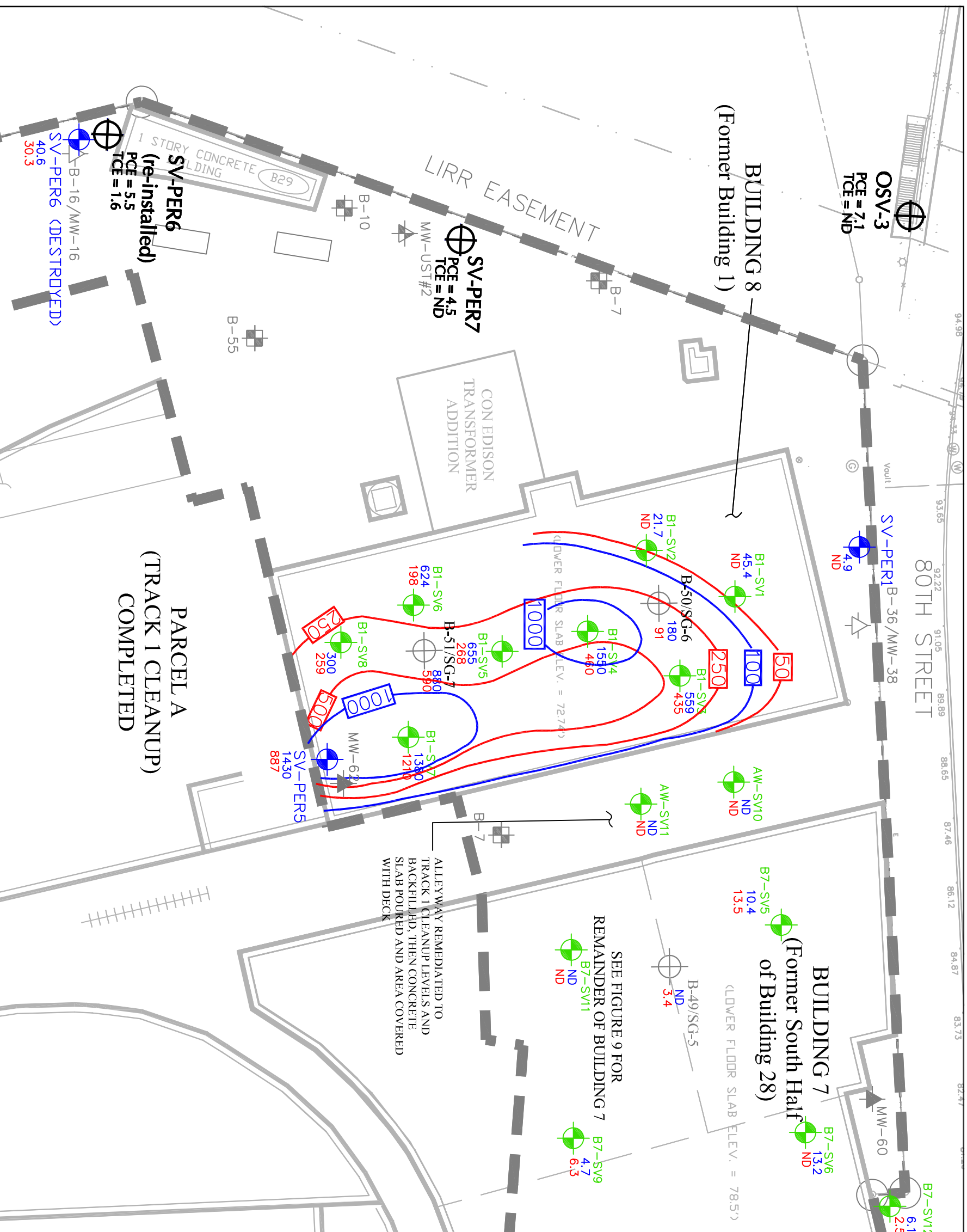
Project
**THE SHOPS AT ATLAS PARK
SUPPLEMENTAL REMEDIAL
INVESTIGATION - PARCEL B**

Drawing Title
**TCE/PCE
GROUNDWATER
ISOCONCENTRATION
CONTOURS
JUNE 2006**

Project No.	5553113	Drawing No.	
Date	6/26/06		
Scale	1"=50'		
Dwn. By	JLV		
Lost/Revised	NA		



ATLAS PARK SITE	PARCEL B
BUILDING 3 AREA SOIL VAPOR RESULTS ATLAS PARK - PARCEL B SUPPLEMENTAL REMEDIAL INVESTIGATION	
QUEENS	NEW YORK CITY NEW YORK
Project No. 5555113	Date 08/17/06
	Scope 1:40
	Figure No. 11



LEGEND

SRI SAMPLING LOCATIONS

SOIL VAPOR SAMPLING LOCATION (PCE CONCENTRATION IN BLUE, TCE CONCENTRATION IN RED, IN $\mu\text{G}/\text{M}^3$)

1000

300
259

+

SOIL VAPOR PCE ISOCONCENTRATION LINE ($\mu\text{G}/\text{M}^3$)

250

SOIL VAPOR TCE ISOCONCENTRATION LINE ($\mu\text{G}/\text{M}^3$)

SV-PER

SITE PERIMETER SOIL VAPOR SAMPLING LOCATION

09-60

GROUND WATER MONITORING WELL INSTALLATION / SAMPLING

POE=7.9
TCE=ND

OFFSITE SOIL VAPOR SAMPLING LOCATION
(SAMPLED ON 08/09/06)

PREVIOUS SAMPLING LOCATIONS

B-55

PREVIOUS RI SOIL BORING LOCATION

 $\oplus$ B-1/SG-1

PREVIOUS RI SOIL BORING AND SOIL VAPOR SAMPLING LOCATION

B-6/MW-6

PREVIOUSLY INSTALLED WELL DESTROYED DURING CONSTRUCTION. MW-6, MW-16, AND MW-38 REPLACED IN KIND AND RE-SAMPLED DURING THE SUPPLEMENTAL RI.

EXISTING RI MONITORING WELL LOCATIONS. MW-16, MW-58, AND MW-UST#2 SAMPLED DURING THE SUPPLEMENTAL RI.

ATLAS PARK SITE - PARCEL B

GENERAL NOTES

1. SEE ALSO WORK PLAN DATED JULY 1, 2005, AND APPENDIX #1 TO THE WORK PLAN DATED AUGUST 11, 2005, FOR DETAILS OF SAMPLING PROGRAM, INCLUDING PROCEDURES TO SELECT GEOPHORE SOIL SAMPLING LOCATIONS BASED ON SOIL VAPOUR SAMPLING RESULTS THAT ARE NOT SHOWN ON THIS DRAWING.

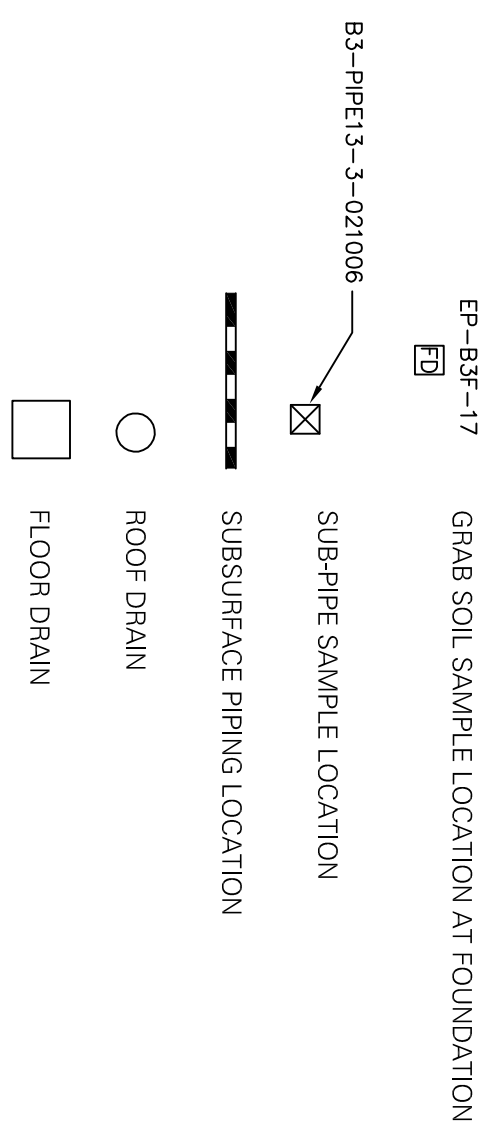
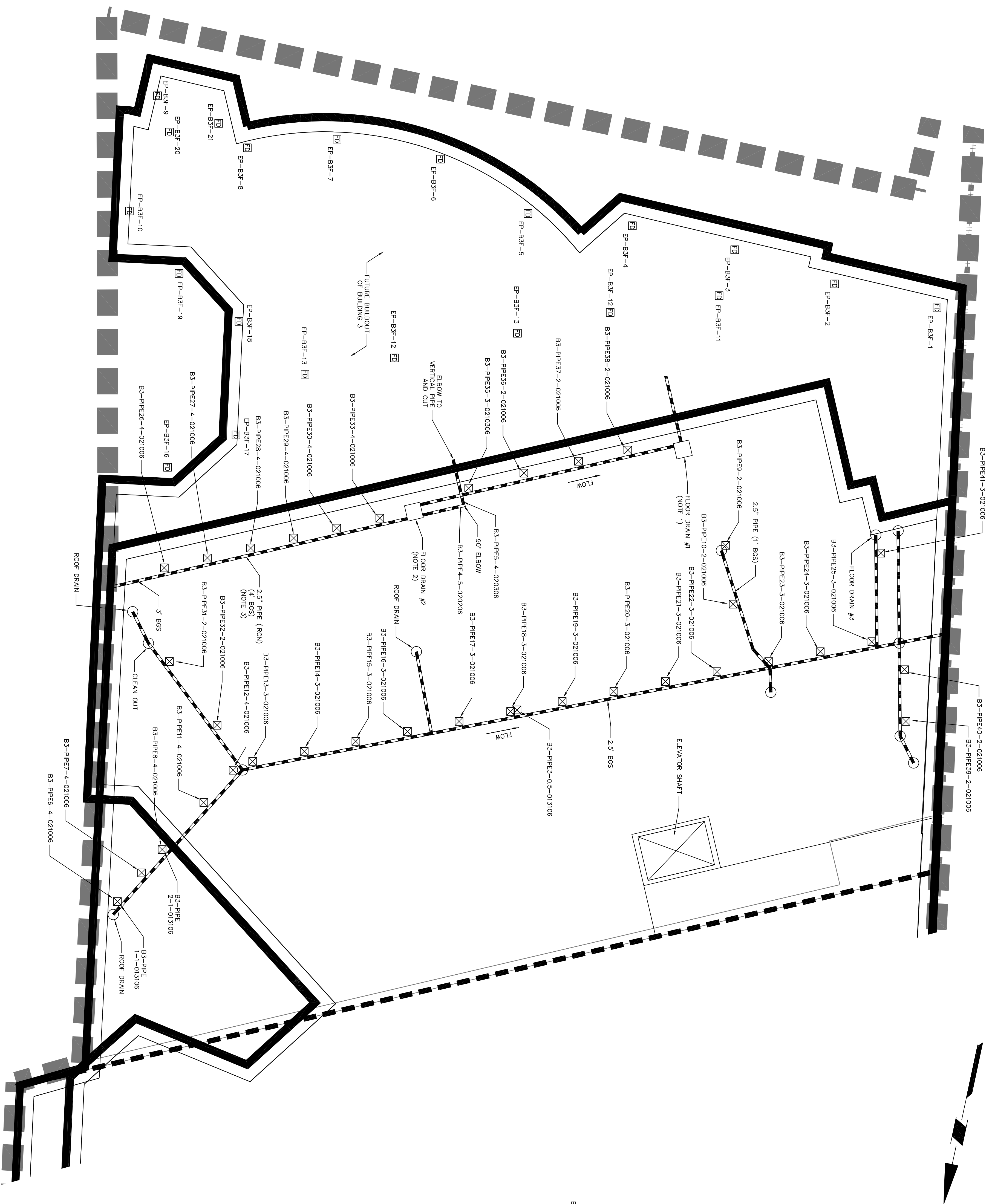
2. SOIL GAS/AMBIENT AIR DATA IN ug/m3

BASE MAP NOTES:

1. BASE MAP IS DRAWING II FROM THE DRAFT RI REPORT, DATED 19 JANUARY 2005.

2. BASE SURVEY PLAN WAS OBTAINED FROM A DRAWING TITLED CITY OF NEW YORK, COUNTY OF QUEENS, TAX BLOCK 3810, TAX LOT 2, BY MONTROSE SURVEYING CO., LLP, DATED 17 DECEMBER 2001 SUPPLIED BY ATCO.

ATLAS PARK SITE		PARCEL B	
BUILDING 8 SOIL VAPOR RESULTS			
ATLAS PARK - PARCEL B SUPPLEMENTAL			
REMEDIAL INVESTIGATION			
QUEENS		NEW YORK CITY	
NEW YORK CITY		NEW YORK	
Project No.	Date	Scale	Figure No.
5555113	08/17/06	1:40	12

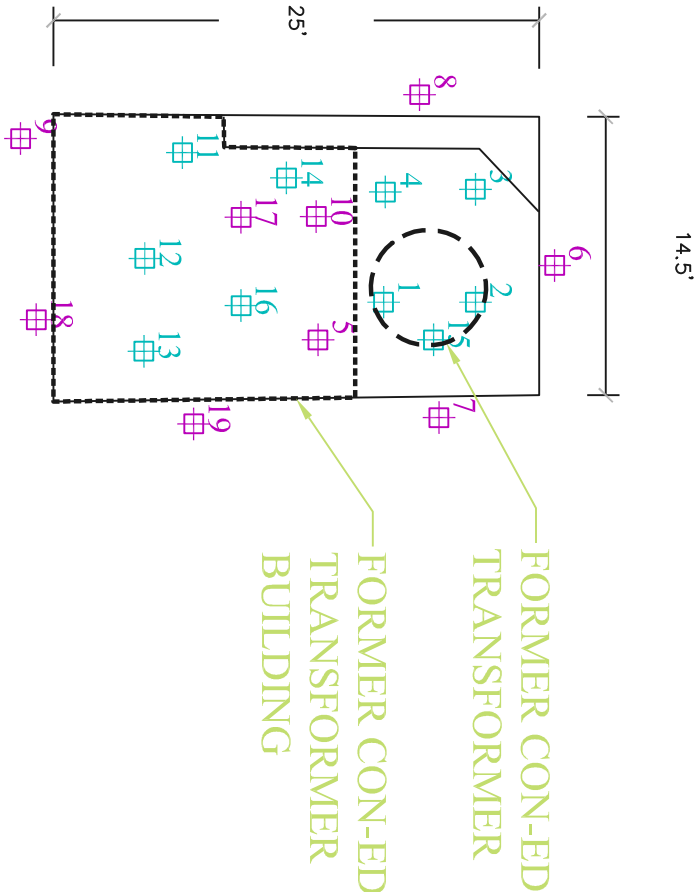


NOTES

1. 2'X2' FLOOR DRAIN - PREVIOUSLY REMOVED.
2. 2'X2' FLOOR DRAIN - ONE PIPE ENTERING (NO APPARENT EXIT)
3. 2.5" PIPE PASSING UNDER FLOOR DRAIN #2.

Project	Drawing Title	Project No.	Figure No.
ATLAS PARK SITE- PARCEL B SUPPLEMENTAL REMEDIAL INVESTIGATION REPORT	BUILDING 3 PIPE CHASE PLAN	5555113	13
QUEENS	NEW YORK	Date	
		2/23/06	
		Scale	
		1"=10'	
		Drawn By	
		JLV	
		Last Revised	
		JLB	
		1	Of 1

TRANSFORMER PAD SAMPLES	
KEY ID	SAMPLE ID
CONCRETE SAMPLES	
1	TBC1-020306
2	TBC2-020306
3	TBC3-020306
4	TBC4-020306
11	TBC11-020806
12	TBC12-020806
13	TBC13-020806
14	TBC14-020806
15	TBC15-020806
SOIL SAMPLES	
5	TB5-020606
6	TB6-020606
7	TB7-020606
8	TB8-020606
9	TB9-020606
10	TB10-020806
16	TB16-020806
17	TB17-020906
18	TB18-020906
19	TB19-020906



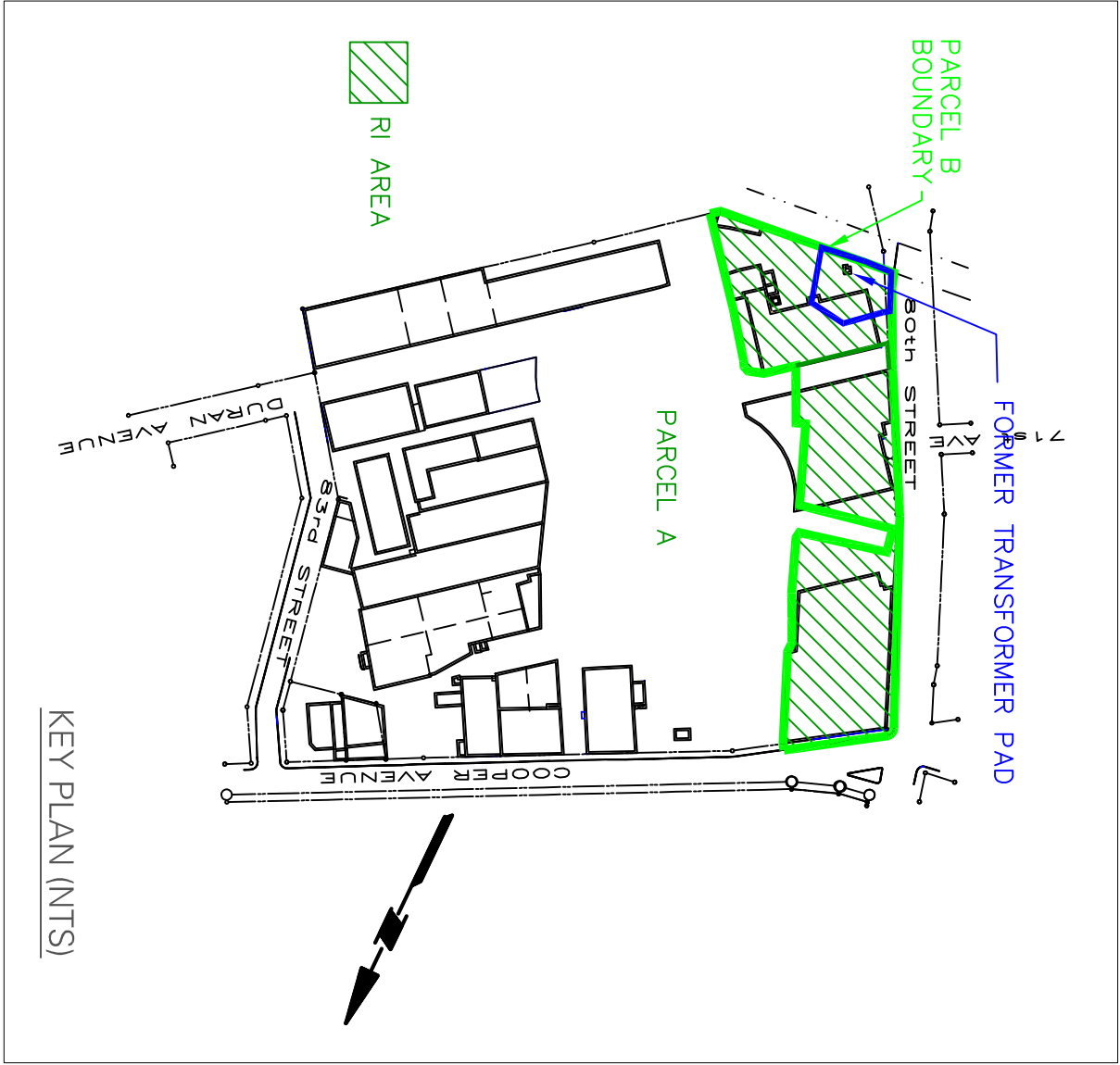
SERVICE CORRIDOR

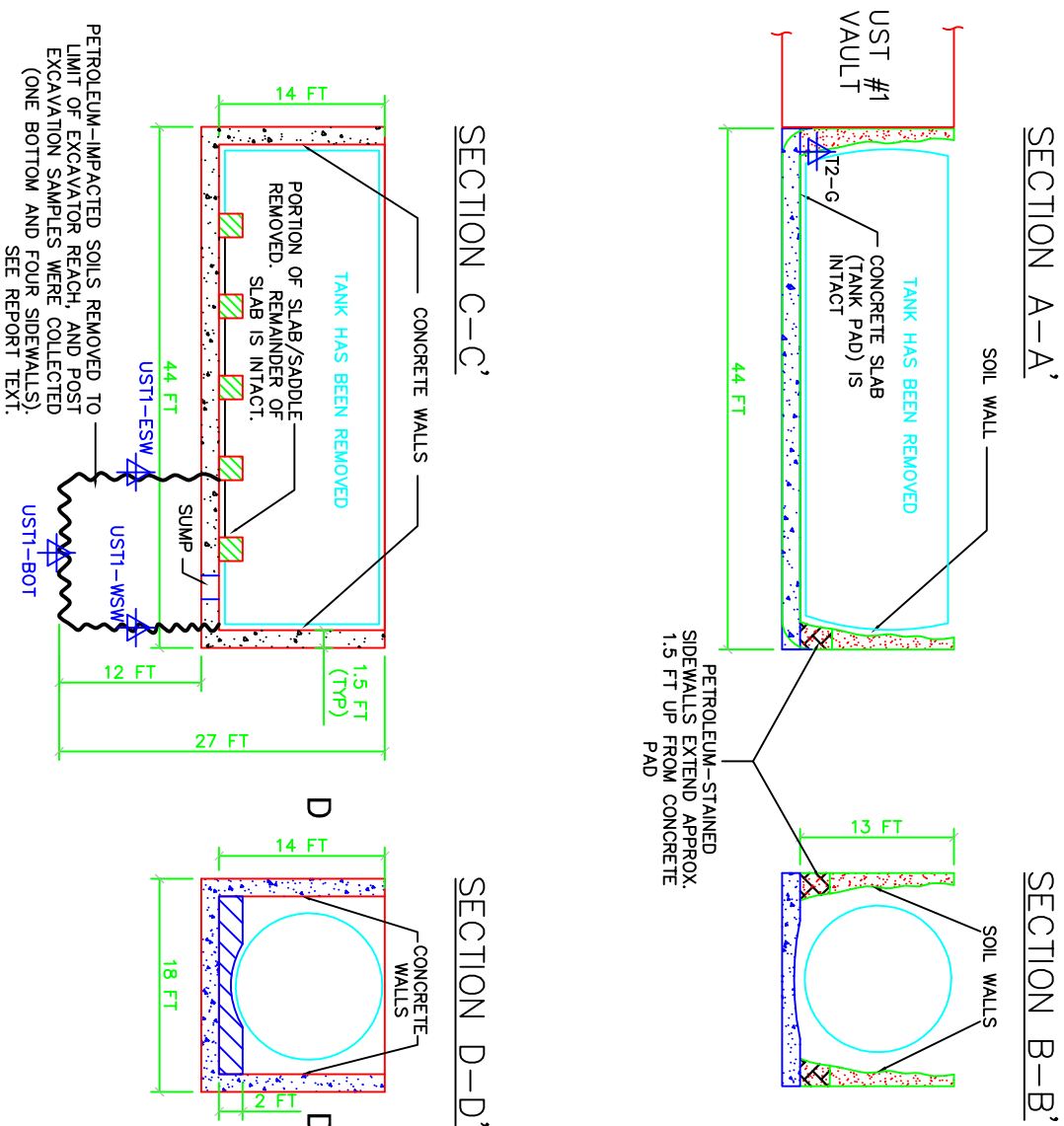
- 16** CONCRETE CORE SAMPLE
- 19** SUB-SLAB END POINT AND PERIMETER SOIL SAMPLES (GRABS)
- FORMER CON-ED TRANSFORMER LOCATION



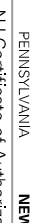
EXISTING BUILDING

BUILDING 8





1. UST 1 VALU FLOORS AND WALLS WERE INTACT EXCEPT FOR THE 2 UNLINED SUMPS SHOWN.
2. SEE FIGURE 1 FOR SITE PLAN SHOWING TANK LOCATIONS IN RELATION TO REMAINDER OF THE SITE
3. SEE FIGURE 1 FOR SITE GROUNDWATER ELEVATIONS AND INFERRED FLOW DIRECTION.

		ATLAS PARK SITE		PARCEL B	
ENGINEERING & ENVIRONMENTAL SERVICES 21 Penn Plaza, Suite 900 P: 212.479.5400 F: 212.479.5444 www.langan.com		FORMER HEATING OIL TANK USTS		NEW YORK	
NEW JERSEY PENNSYLVANIA NEW YORK CONNECTICUT FLORIDA		ATLAS PARK - PARCEL B SUPPLEMENTAL REMEDIAL INVESTIGATION		QUEENS	
Project No. 5555113	Date 1/26/06	Scale 1" = 16'	Figure No. Fig. 15	NEW YORK	

