

Table 1
Proposed Sample Summary
Remedial Investigation Work Plan

375 Lafayette Street
New York, New York
Langan Project No. 170930301

No.	Sample Name	Type	Boring	Depth Interval	Rationale	Depth ¹	Analyses		
SOIL									
1	SB01,D-2	Grab	SB01	0-2	Investigate AOC 1	Upper 2 feet of fill	Part 375/TCL VOCs, SVOCs, PCBs, pesticides, herbicides, Part 376/TAL metals including hexavalent and trivalent chromium, total cyanide, 1,4-dioxane, and PFAS		
2	SB01,X-X					X-X		Greatest degree of impacts or bottom of the non-native fill layer	
3	SB01,X-X					X-X		Clean interval below impacts or native interval below non-native fill layer	
4	SB02,D-2	Grab	SB02	0-2		Upper 2 feet of fill			
5	SB02,X-X					X-X		Greatest degree of impacts or bottom of the non-native fill layer	
6	SB02,X-X					X-X		Clean interval below impacts or native interval below non-native fill layer	
7	SB03,D-2	Grab	SB03	0-2		Upper 2 feet of fill			
8	SB03,X-X					X-X		Greatest degree of impacts or bottom of the non-native fill layer	
9	SB03,X-X					X-X		Clean interval below impacts or native interval below non-native fill layer	
10	SB04,D-2	Grab	SB04	0-2		Upper 2 feet of fill			
11	SB04,X-X					X-X		Greatest degree of impacts or bottom of the non-native fill layer	
12	SB04,X-X					X-X		Clean interval below impacts or native interval below non-native fill layer	
13	SB05,D-2	Grab	SB05	0-2		Upper 2 feet of fill			
14	SB05,X-X					X-X		Greatest degree of impacts or bottom of the non-native fill layer	
15	SB05,X-X					X-X		Clean interval below impacts or native interval below non-native fill layer	
16	SB06,D-2	Grab	SB06	0-2		Upper 2 feet of fill			
17	SB06,X-X					X-X		Greatest degree of impacts or bottom of the non-native fill layer	
18	SB06,X-X					X-X		Clean interval below impacts or native interval below non-native fill layer	
19	SB07,D-2	Grab	SB07	0-2		Upper 2 feet of fill			
20	SB07,X-X					X-X		Greatest degree of impacts or bottom of the non-native fill layer	
21	SB07,X-X					X-X		Clean interval below impacts or native interval below non-native fill layer	
22	SB08,D-2	Grab	SB08	0-2		Upper 2 feet of fill			
23	SB08,X-X					X-X		Greatest degree of impacts or bottom of the non-native fill layer	
24	SB08,X-X					X-X		Clean interval below impacts or native interval below non-native fill layer	
25	SB09,D-2	Grab	SB09	0-2		Upper 2 feet of fill			
26	SB09,X-X					X-X		Greatest degree of impacts or bottom of the non-native fill layer	
27	SB09,X-X					X-X		Clean interval below impacts or native interval below non-native fill layer	
28	SB10,D-2	Grab	SB10	0-2		Upper 2 feet of fill			
29	SB10,X-X					X-X		Greatest degree of impacts or bottom of the non-native fill layer	
30	SB10,X-X					X-X		Clean interval below impacts or native interval below non-native fill layer	
31	SB11,D-2	Grab	SB11	0-2		Upper 2 feet of fill			
32	SB11,X-X					X-X		Greatest degree of impacts or bottom of the non-native fill layer	
33	SB11,X-X					X-X		Clean interval below impacts or native interval below non-native fill layer	
34	SB12,D-2	Grab	SB12	0-2		Upper 2 feet of fill			
35	SB12,X-X					X-X		Greatest degree of impacts or bottom of the non-native fill layer	
36	SB12,X-X					X-X		Clean interval below impacts or native interval below non-native fill layer	
37	SB13,D-2	Grab	SB13	0-2		Upper 2 feet of fill			
38	SB13,X-X					X-X		Greatest degree of impacts or bottom of the non-native fill layer	
39	SB13,X-X					X-X		Clean interval below impacts or native interval below non-native fill layer	
40	SB14,D-2	Grab	SB14	0-2		Upper 2 feet of fill			
41	SB14,X-X					X-X		Greatest degree of impacts or bottom of the non-native fill layer	
42	SB14,X-X					X-X		Clean interval below impacts or native interval below non-native fill layer	
43	SB15,D-2	Grab	SB15	0-2		Upper 2 feet of fill			
44	SB15,X-X					X-X		Greatest degree of impacts or bottom of the non-native fill layer	
45	SB15,X-X					X-X		Clean interval below impacts or native interval below non-native fill layer	
46	SB16,D-2	Grab	SB16	0-2		Upper 2 feet of fill			
47	SB16,X-X					X-X		Greatest degree of impacts or bottom of the non-native fill layer	
48	SB16,X-X					X-X		Clean interval below impacts or native interval below non-native fill layer	
49	SB17,D-2	Grab	SB17	0-2		Upper 2 feet of fill			
50	SB17,X-X					X-X		Greatest degree of impacts or bottom of the non-native fill layer	
51	SB17,X-X					X-X		Clean interval below impacts or native interval below non-native fill layer	
52	SB18,D-2	Grab	SB18	0-2		Upper 2 feet of fill			
53	SB18,X-X					X-X		Greatest degree of impacts or bottom of the non-native fill layer	
54	SB18,X-X					X-X		Clean interval below impacts or native interval below non-native fill layer	
SOIL QA/QC									
1	SODUP01_date	Duplicate	SB0X	X-X	QA/QC	Duplicate	Part 375/TCL VOCs, SVOCs, PCBs, pesticides, herbicides, Part 376/TAL metals including hexavalent and trivalent chromium, total cyanide, 1,4-dioxane, and PFAS		
2	SODUP02_date		SB0X	X-X					
3	SODUP03_date		SB0X	X-X					
1	SBXX,X-X	MS/MSD	SB0X	X-X		Matrix Spike/Matrix Spike Duplicate			
2	SBXX,X-X		SB0X	X-X					
3	SBXX,X-X		SB0X	X-X					
1	SOFB01_date	Field Blank	NA	NA		Field Blank			
2	SOFB02_date		NA	NA					
3	SOFB03_date		NA	NA					
1	SOTB01_date	Trip Blank	NA	NA		Trip Blank	Part 375/TCL VOCs		
2	SOTB02_date		NA	NA					
3	SOTB03_date		NA	NA					
GROUNDWATER									
1	MW01_date	Grab	MW01	NA	Investigate AOC 1	Midpoint of screened interval	Part 375/TCL VOCs, SVOCs, PCBs, herbicides, pesticides, TAL metals (total and dissolved), trivalent and hexavalent chromium, total cyanide, 1,4-dioxane, and PFAS		
2	MW02_date		MW02						
3	MW03_date		MW03						
4	MW07_date		MW07						
5	MW08_date		MW08						
6	MW10_date		MW10						
7	MW11_date		MW11						
8	MW16_date		MW16						
9	MW18_date		MW18						
GROUNDWATER QA/QC									
1	GWDUP01_date	Duplicate	MW0X	NA	QA/QC	NA	Part 375/TCL VOCs, SVOCs, PCBs, herbicides, pesticides, TAL metals (total and dissolved), trivalent and hexavalent chromium, total cyanide, 1,4-dioxane, and PFAS		
2	MW0X_date	MS/MSD	MW0X						
3	GWFB01_date	Field Blank							
1	GWFB01_PFA5_date	PFAS Equipment Blank	NA			PFAS	Part 375/TCL VOCs, SVOCs, PCBs, herbicides, pesticides, TAL metals, trivalent and hexavalent chromium, total cyanide, 1,4-dioxane, and PFAS		
2	GWFB02_PFA5_date								
3	GWFB03_PFA5_date								
1	GWTB01_date	Trip Blank	NA			Part 375/TCL VOCs	Part 375/TCL VOCs		
2	GWTB02_date								
3	GWTB03_date								
SOIL VAPOR									
1	SV01_date	Grab	SV01	NA	Investigate AOC 1	5 feet bgs	TO-15 VOCs		
2	SV02_date		SV02						
3	SV03_date		SV03						
4	SV05_date		SV05						
5	SV07_date		SV07						
6	SV08_date		SV08						
7	SV10_date		SV10						
8	SV11_date		SV11						
9	SV16_date		SV16						
10	SV18_date		SV18						
1	AA01_date		AA01			Breathing Height			

Areas of Concern (AOC):
AOC 1: Historical Site Operations and Associated SVOCs and Metals in Soil

Notes and Abbreviations:

- Soil sample depth intervals will be determined in the field.
- Soil and groundwater samples to be analyzed for New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules and Regulations (6 NYCRR) Part 375-list compounds where noted.
- Soil vapor samples to be analyzed for United States Environmental Protection Agency (USEPA) Method TO-15.
- VOC = volatile organic compound
- SVOC = semivolatile organic compound
- PCB = polychlorinated biphenyl
- TCL = Target Compound List
- TAL = Target Analyte List
- QA/QC = quality assurance/quality control
- NA = not applicable
- PFAS = per- and polyfluoroalkyl substances as limited to the list of compounds designated by NYSDEC
- bgs = below grade surface
- Total number of QA/QC samples are subject to change and are dependent on number of days sampled and/or number of samples collected.



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Project

**375 LAFAYETTE
 STREET**

BLOCK No. 531, LOT Nos. 17, 52, & 56

NEW YORK

NEW YORK

Figure Title

**SITE
 LOCATION MAP**

Project No.

170930301

Date

6/30/2025

Scale

1" = 2,000 feet

Drawn By

GS

Figure

1



Legend

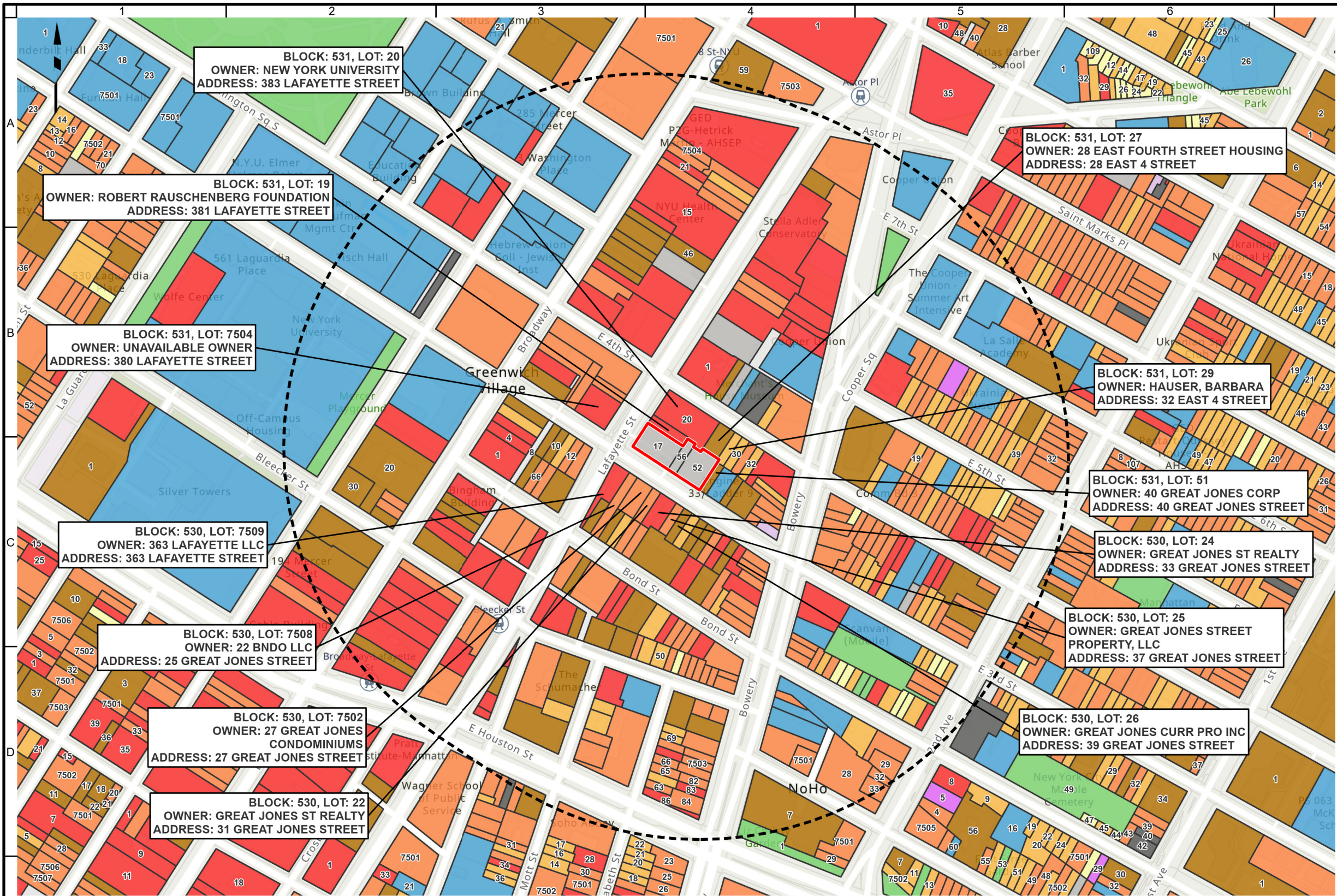
Approximate Site Boundary

531 Tax Block

Tax Parcel

Notes:
1. Aerial imagery provided through Langan's subscription to NearMap.com, flown 3/11/2025.
2. Parcel data provided by the New York City Department of City Planning.

WARNING: It is a violation of the NYS Education Law Article 145 for any person, unless acting under the direction of a licensed professional engineer, land surveyor or geologist, to alter this item in any way.		LANGAN Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. 368 Ninth Avenue, 8th Floor New York, NY 10001 T: 212.479.5400 F: 212.479.5444 www.langan.com	Project	Figure Title	Project No.	Figure No. 2
			375 LAFAYETTE STREET	SITE PLAN	Date	
			BLOCK No. 531, LOT Nos. 17, 52, & 56		Scale	
			NEW YORK		NEW YORK	
					GS	



Legend

- Approximate Site Boundary
- Tax Parcel
- 1,000-foot Radius

Land Use

- One & Two Family Buildings
- Multi-Family Walk-Up Buildings
- Multi-Family Elevator Buildings
- Mixed Residential & Commercial Buildings
- Commercial & Office Buildings
- Industrial & Manufacturing
- Transportation & Utility
- Public Facilities & Institutions
- Open Space & Outdoor Recreation
- Parking Facilities
- Vacant Land
- Other/No Data

Notes:

- Topographic basemap is provided through Langan's Esri ArcGIS software licensing and ArcGIS online.
- Land use and parcel data is provided by the New York City Department of City Planning.

WARNING: It is a violation of the NYS Education Law Article 145 for any person, unless acting under the direction of a licensed professional engineer, land surveyor or geologist, to alter this item in any way.

300 0 300

SCALE IN FEET

LANGAN

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Project

375 LAFAYETTE STREET

BLOCK No. 531, LOT Nos. 17, 52, & 56

NEW YORK NEW YORK

Figure Title

**ADJACENT
PROPERTY AND
SURROUNDING
LAND USE MAP**

Project No. 170930301	Figure No. 3
Date 7/9/2025	
Scale 1"=300'	
Drawn By GS	



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Project

375 LAFAYETTE STREET

BLOCK No. 531, LOT Nos. 17, 52, & 56

NEW YORK

Figure Title

**HISTORICAL
SOIL SAMPLE
ANALYTICAL
RESULTS MAP**

NEW YORK

Project No.

170930301

Date

7/17/2025

Scale

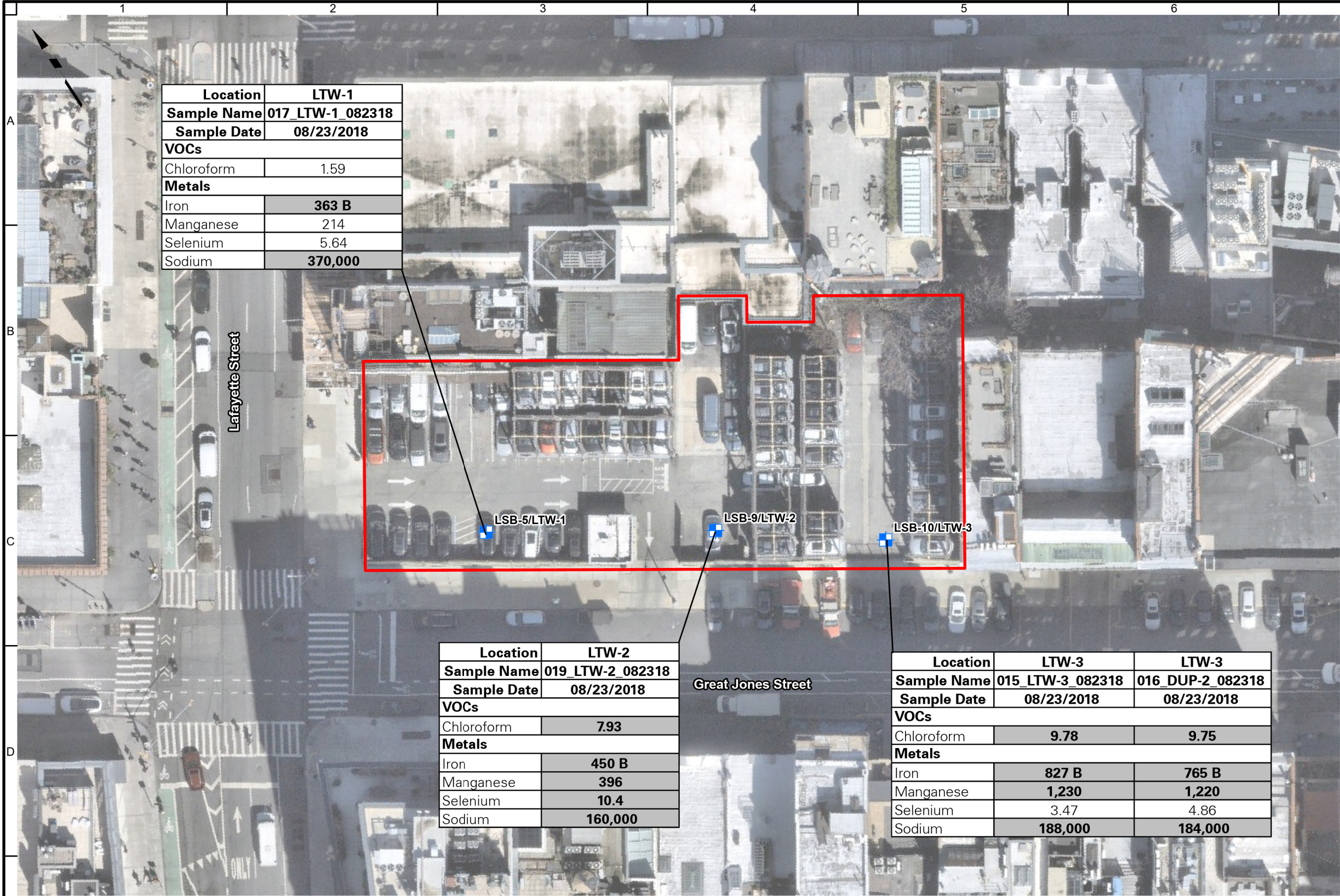
1"=40'

Drawn By

GS

Figure No.

4



Legend

Approximate Site Boundary

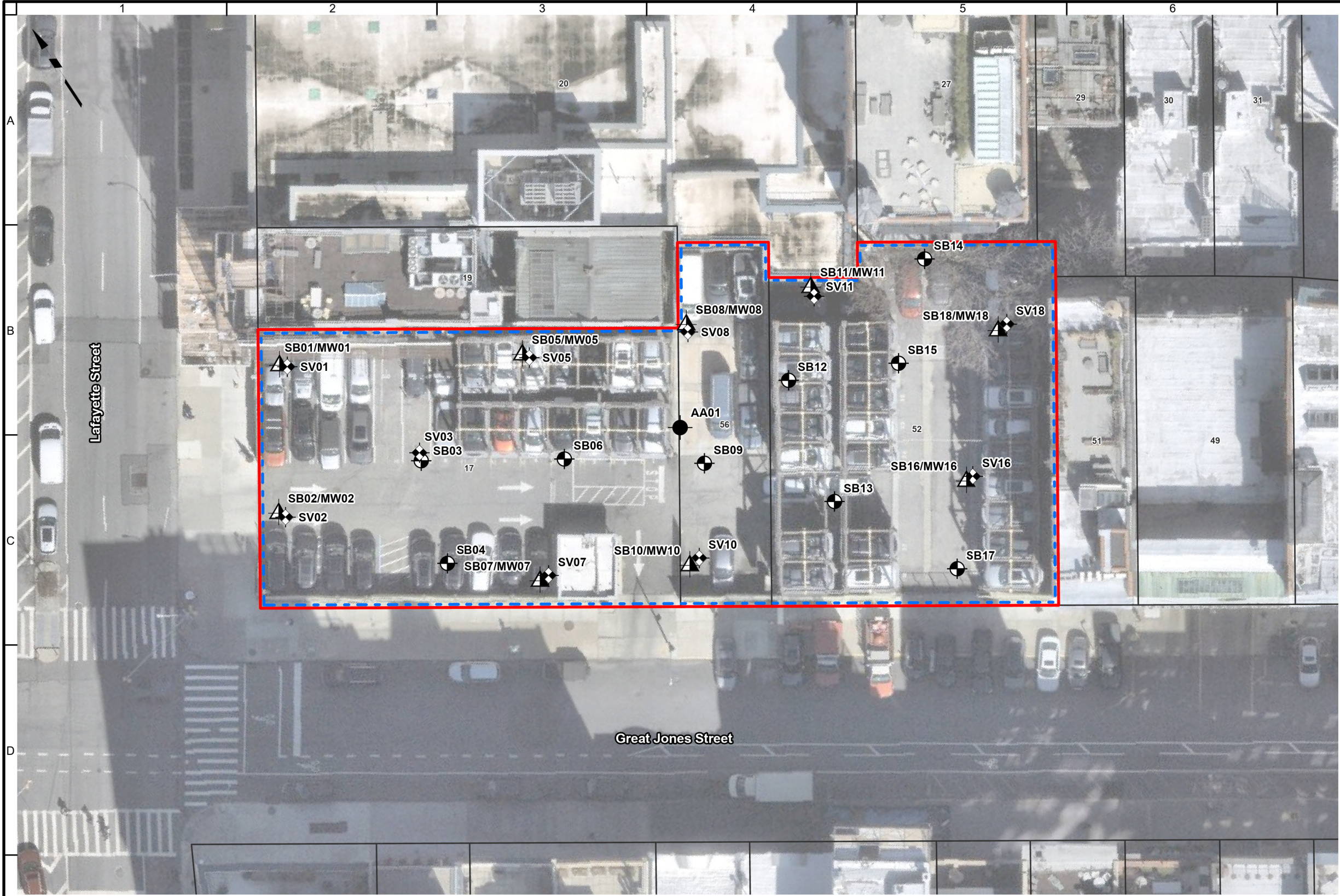
Soil Boring/Temporary Groundwater Monitoring Well

Analyte	NYSDEC SGVs
VOCs	
Chloroform	7
Metals	
Iron	300
Manganese	300
Selenium	10
Sodium	20,000

Exceedance Summary:
10 - Result exceeds NYSDEC SGVs

Notes:
1. Aerial imagery provided through Langan's subscription to NearMap.com, flown 3/11/2025.
2. Sample locations are approximate.
3. Groundwater sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 Codes, Rules, and Regulations (NYCRR) Part 703.5 and the NYSDEC Technical and Operation Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Water and published addenda (herein collectively referenced as "NYSDEC SGVs").
4. Samples were collected as part of an August 2018 Phase II Environmental Investigation conducted by Langan.
5. Results are shown in micrograms per liter (µg/L).

Qualifiers:
B - The analyte was found in the associated analysis batch blank.



- Legend**
- Approximate Site Boundary
 - Tax Parcel
 - AOC 1 - Historical Site Operations and Associated SVOCs and Metals in Soil
 - Proposed Soil Boring Location
 - Proposed Soil Boring/Monitoring Well Location
 - Proposed Soil Vapor Location
 - Proposed Ambient Air Sample Location

Notes:

- Aerial imagery provided through Langan's subscription to NearMap.com, flown 3/11/2025.
- Parcel data is provided by the New York City Department of City Planning.
- Sample locations are approximate.
- AOC - Area of Concern
- SVOC - Semi-Volatile Organic Compound

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30 0 30
SCALE IN FEET

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			Date 7/23/2025	
			Scale 1"=30'	
			Drawn By GS	