



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BCP Significant Threat Determination Report



3/21/2018

Site Code	C224204	Site Name	11 Spencer Street
City	Brooklyn	Town	New York City
Region	2	County	Kings
Current Classification	A		
Estimated Size	0.3150	Allowable Use	
Significant Threat:	Unknown	Project Manager	Aaron Fischer

Summary of Approvals

Originator/Supervisor: Sally Dewes **03/12/2018**

Regional Hazardous Waste Remedial Engineer: Jane O'Connell **03/13/2018**

BEEI of NYSDOH: **03/09/2018**

CO Bureau Director: Gerard Burke, Director, Remedial Bureau E **03/13/2018**

Assistant Division Director: Michael J. Ryan, P.E.: **03/21/2018**

Basis for Significant Threat Determination

Site Background:

The 0.315-acre site is located in the Williamsburg section of Brooklyn. The site is maintained by a vacant one story, T shaped building. The facility was formerly used as a metal manufacturing building operating from the 1940s to 1990s. Toluene and 1,1,1 trichloroethane was stored under Chemical Bulk Storage ID # 2-000024 and heating oil under Petroleum Bulk Storage ID # 2-356913.

A series of subsurface investigations were performed at the Site between 2014 and 2017. The Site entered the BCP program in 2015 as a participant.

A Remedial Investigation Report was written by GZA Environmental of New York (GZA) in July of 2017. Soil collected exhibits elevated concentrations of CVOCs throughout the site from 1 to 19 feet below grade. Soils exceeding the protection of groundwater Soil Cleanup Objectives persist throughout the Site.

Groundwater at the Site flows East and exists on site at 13 feet below grade. 1,1,1-TCA, PCE, TCE, and cis-1,2-DCE were detected at concentrations greater than their respective NYS DEC AWQS. TCE was present in all groundwater samples and exceeded NYSDEC AWQS in twelve of the fourteen samples collected.

Soil vapors containing PCE and TCE have been found beneath the building slab at levels as high as



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BCP Significant Threat Determination Report



3/21/2018

Site Code C224204

Site Name 11 Spencer Street

1.6 million micrograms per meter cubed (ug/m³) and 82,000 ug/m³, respectively. These same compounds have been detected within the building itself, with PCE observed as high as 80 ug/m³ and TCE observed as high as 30.8 ug/m³. These detections are at levels that would indicate mitigation is necessary.

Site Description - Last Review: 03/12/2018

Location:

The 0.315 acre site is located in the Williamsburg section of Brooklyn. It is bordered to the north by Flushing Avenue and a five story commercial building, to the west by Spencer Street and a one story manufacturing building, to the south by a one story manufacturing building and to the east by Site No. 224239, Former Techtronics Ecological Corp.; and Site No. 224259, Former Techtronics Site B.

Site Features:

The site consists of a vacant T shaped one story former manufacturing building with no basement. The building has frontage on Spencer Street and Flushing Avenue.

Current Zoning/Use(s):

The site is currently zoned as M1-2. M1 districts typically include light industrial uses, such as woodworking shops, repair shops, and wholesale service and storage facilities. There are residential buildings located to the northwest of the property.

Past Use of the Site:

The site was a former sheet metal manufacturing building. Delta Metal Products Co. operated at the site from the 1940s to the 1990s. Toluene and 1,1,1 trichloroethane was stored under Chemical Bulk Storage ID# 2-000024 and heating oil under Petroleum Bulk Storage ID# 2-356913.

Site Geology and Hydrogeology:

The site elevation is estimated at roughly 20 feet above mean sea level. Groundwater was found at 13 feet below grade during subsurface investigation. Groundwater flow is to the east.

Contaminants of Concern (Including Materials Disposed)	Quantity Disposed
OU 01	
1,1,2-trichlorethylene	UNKNOWN
tetrachloroethene (PCE)	UNKNOWN

Analytical Data Available for : Groundwater, Soil

Applicable Standards Exceeded for: Groundwater

Site Environmental Assessment - Last Review: 03/12/2018



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BCP Significant Threat Determination Report



3/21/2018

Site Code C224204

Site Name 11 Spencer Street

Nature and Extent of Contamination:

Soil – A Focused Subsurface Site Investigation was conducted in July 2014 and a Supplemental Focused Subsurface Investigation was conducted in September 2014. PCE was detected at 32 parts per million (ppm) in one of the soil samples collected from a boring that was installed near the concrete degreasing pit within the building. This concentration exceeds both the Unrestricted Use soil cleanup objective (UUSCO) and the Protection of Groundwater SCO. No petroleum-related volatile organic compounds (VOCs) were detected in soil at concentrations exceeding the UUSCOs.

Groundwater – Several compounds were detected well above standards in groundwater during the Focused Subsurface Site Investigation. PCE was detected at a maximum of 47,000 parts per billion (ppb), TCE at a maximum of 250 ppb, DCE at a maximum of 260 ppb, and 1,1,1-TCA at a maximum of 3,100 ppb. During a supplemental investigation, toluene was detected at a maximum of 66,000 ppb.

Soil Vapor – Soil vapors containing PCE and TCE have been found beneath the building slab at levels as high as 1.6 million micrograms per meter cubed (ug/m³) and 82,000 ug/m³, respectively. These same compounds have been detected within the building itself, with PCE observed as high as 80 ug/m³ and TCE observed as high as 30.8 ug/m³. These detections are at levels that would indicate mitigation is necessary.

Site Health Assessment - Last Update:

Information submitted with the BCP application regarding the conditions at the site are currently under review and will be revised as additional information becomes available.

	Start		End	
OU 00				
Certificate of Completion	11/1/19	PLN	12/31/19	PLN
Periodic Review	4/30/21	PLN	6/14/21	PLN
Site Management	12/31/19	PLN	12/31/49	PLN
OU 01				
Agreement	3/25/15	ACT	4/16/15	ACT
Agreement Amendment	5/20/15	ACT	5/20/15	ACT
Application Approval	2/6/15	ACT	3/25/15	ACT
Application Approval Amendment	5/6/15	ACT	5/20/15	ACT
Application Completion	12/16/14	ACT	2/6/15	ACT
Application Completion Amendment	3/24/15	ACT	5/6/15	ACT
Emerging Contaminant Sampling	1/1/18	PLN	3/9/18	PLN
OGC Docket - Eligibility Determination	2/6/15	ACT	3/25/15	ACT
OGC Docket - Eligibility Determination	5/6/15	ACT	5/20/15	ACT
Reclass Pkg.	3/23/18	PLN	4/2/18	PLN



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BCP Significant Threat Determination Report



3/21/2018

Site Code C224204

Site Name 11 Spencer Street

Remedial Action	11/1/18	PLN	12/31/19	PLN
Remedial Design	3/30/18	PLN	3/31/18	PLN
Remedial Investigation	5/4/16	ACT	3/31/18	PLN

OU 01A

Remedial Action	9/30/16	HLD	12/30/16	HLD
Remedial Action	2/21/18	ACT	4/30/18	PLN
Remedial Design	5/31/16	HLD	8/31/16	HLD

OU 01B

Remedial Action	3/30/18	PLN	10/30/22	PLN
Remedial Design	7/11/17	ACT	2/21/18	ACT

Remedy Description and Cost

Remedy Description for Operable Unit 00

Total Cost

Remedy Description for Operable Unit 01

Total Cost

Remedy Description for Operable Unit 01A

Total Cost

Remedy Description for Operable Unit 01B

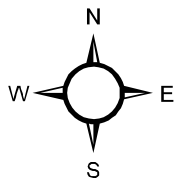
Total Cost

C224204, 11 Spencer Street

Site Location Map



100 50 0 100 Feet





Department of Health

ANDREW M. CUOMO
Governor

HOWARD A. ZUCKER, M.D., J.D.
Commissioner

SALLY DRESLIN, M.S., R.N.
Executive Deputy Commissioner

March 9, 2018

Gerard Burke, Director
Remedial Bureau B
Division of Environmental Remediation
NYS Dept. of Environmental Conservation
625 Broadway
Albany, NY 12233

Re: **Significant Threat Determination**
11 Spencer Street
Site #C224204
Brooklyn, Kings County

Dear Mr. Burke:

At your Department's request, we have reviewed the available information, including the July 2017 *Revised Remedial Investigation Report*, for the referenced site. Based on that review, I understand that volatile organic compounds (VOCs), including tetrachloroethene and trichloroethene are present at the site. VOCs have been detected at elevated levels in on-site soil, groundwater, and sub-slab soil vapor. Off-site groundwater and soil vapor are also contaminated with elevated levels of VOCs.

The site is currently vacant and covered with a building and concrete. Contaminated groundwater in the vicinity is not used for drinking purposes because the area is served by a public water supply that is not affected by this contamination. Environmental sampling indicates that soil vapor intrusion represents a concern for the on-site commercial building, an adjacent residential building, and a potential concern for other off-site structures. In addition, actions have been recommended to address potential exposures associated with soil vapor intrusion in the on-site building. Additional environmental investigation is necessary to further evaluate and address potential exposure pathways associated with the site.

Based on the information provided to date, and the potential for exposure to site-related contaminants, I believe that this site represents a significant threat to public health. If you have any questions, or would like to discuss this site further, please contact me at (518) 402-7860.

Sincerely,

A handwritten signature in black ink, appearing to read "Justin H. Deming".

Justin H. Deming
Chief – Regions 2, 4 & 8
Bureau of Environmental Exposure Investigation

Ec. K. Anders / A. Martin / e-File
C. Westerman – NYSDOH MARO
C. D'Andrea – NYC DOHMH
S. Dewes / A. Fischer – NYSDEC Central Office
J. O'Connell – NYSDEC Region 2

©2017 - GZA GeoEnvironmental, Inc. GZA-J:76500'S\12.0076527.00\FIGURES\CAD\TASK 3\76527.03.001.DWG FIG-4A MAY 12, 2017 MIGUEL TORRES

FLUSHING AVENUE

SIDEWALK

LOT 21

LOT 30

5-STORY
COMMERCIAL
BUILDING

LOT 24

LOT 25

15 B3	
2'	
1,1,1-Trichloroethane	3,200
1,1-Dichloroethene	470
Acetone	360
Tetrachloroethene	96,000
Trichloroethene	8,600

15 SB 3	
10'-12'	
Tetrachloroethene	6,100

15 SB 3	
18'-20'	
1,4-dioxane	700

15 B13	
2'-4'	
Benzene	86
Tetrachloroethene	15,000
Trichloroethene	3,400

15 B4	
2'	
1,1,1-Trichloroethane	5,300
1,1-Dichloroethane	300
1,1-Dichloroethene	1,100
cis-1,2-Dichloroethene	700
Tetrachloroethene	740,000
Trichloroethene	180,000

15 SB 4	
10'-12'	
Tetrachloroethene	2,600
1,4-dioxane	680

15 B14	
0'-2'	
Tetrachloroethene	30,000
Trichloroethene	8,200

15 B5	
2'	
1,1,1-Trichloroethane	22,000
1,1-Dichloroethane	490
1,1-Dichloroethene	2,000
1,2-Dichloroethane	110
Benzene	130
Chloroform	830
cis-1,2-Dichloroethene	560
Methylene chloride	1,700
Tetrachloroethene	2,600,000
Trichloroethene	93,000

15 SB 5	
10'-12'	
Tetrachloroethene	2,100
1,4-dioxane	3,400

15 B1 PIT	
2'-3'	
Tetrachloroethene	13,000
1,4-dioxane	5,900

15 B2 PIT	
2'-3'	
Tetrachloroethene	110,000
1,4-dioxane	700

15 B9	
2'	
1,1,1-Trichloroethane	< 340
Tetrachloroethene	25,000
Trichloroethene	1,200

15 B8	
2'	
1,1,1-Trichloroethane	3,100
1,1-Dichloroethene	1,100
Acetone	510
Chloroform	950
cis-1,2-Dichloroethene	400
Tetrachloroethene	120,000
Trichloroethene	91,000

15 SB 8	
18'-20'	
1,4-dioxane	230

15 B19	
2'-4'	
Tetrachloroethene	5,200
Trichloroethene	1,900

15 SB 10	
10'-12'	
Tetrachloroethene	3,900
1,4-dioxane	41,000

15 SB 7	
15'-17'	
Tetrachloroethene	1,900

15 B16	
2'-4'	
Tetrachloroethene	48,000
Trichloroethene	4,500

15 B16	
10'-12'	
1,4-dioxane	110

15 B15	
2'-4'	
1,1,1-Trichloroethane	26,000
1,1-Dichloroethane	1,600
1,1-Dichloroethene	4,700
1,2-Dichloroethane	79
Benzene	190
Chloroform	1,500
cis-1,2-Dichloroethene	4,300
Methylene chloride	490
Tetrachloroethene	1,900,000
Trichloroethene	480,000
1,4-dioxane	11,000

15 B15	
10'-12'	
Tetrachloroethene	2,800
1,4-dioxane	1,200

15 SB 6	
3'-5'	
1,1,1-Trichloroethane	5,500
1,1-Dichloroethane	1,500
1,2-Dichloroethane	93
Benzene	68
Chloroform	400
cis-1,2-Dichloroethene	430
Methylene chloride	1,900
Tetrachloroethene	1,000,000
Trichloroethene	88,000
1,4-dioxane	6,300

15 SB 6	
10'-12'	
1,4-dioxane	7,700

LEGEND:

--- PROPERTY BOUNDARY

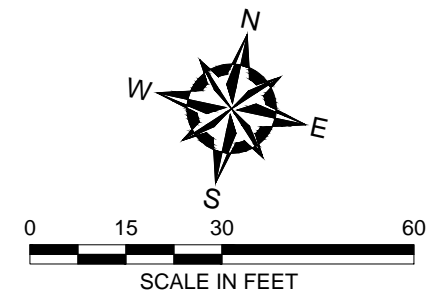
⊙ SOURCE DELINEATION BORING

EXCEEDS NYS UNRESTRICTED USE SOIL
CLEANUP OBJECTIVES

EXCEEDS BOTH NYS UNRESTRICTED USE
SOIL CLEANUP OBJECTIVES AND
RESTRICTED RESIDENTIAL SOIL CLEANUP

NOTES:

1. THE SOIL SAMPLES WERE COLLECTED FROM NOVEMBER AND DECEMBER 2015.
2. UNITS ARE IN µg/kg.



NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

11 SPENCER STREET
BROOKLYN, NEW YORK

SOURCE AREA SOIL RESULTS ABOVE SCOs (2015)

PREPARED BY: GZA GeoEnvironmental of New York Engineers and Scientists 104 WEST 29TH STREET, 10TH FLOOR NEW YORK, NEW YORK 10001		PREPARED FOR: THE W GROUP OF BROOKLYN, LLC	
PROJ MGR: JB	REVIEWED BY: JB	CHECKED BY: DW	FIGURE 4A SHEET NO.
DESIGNED BY: ZS	DRAWN BY: MT	SCALE: 1" = 30'	
DATE: MAY 2017	PROJECT NO. 12.0076527.00	REVISION NO.	

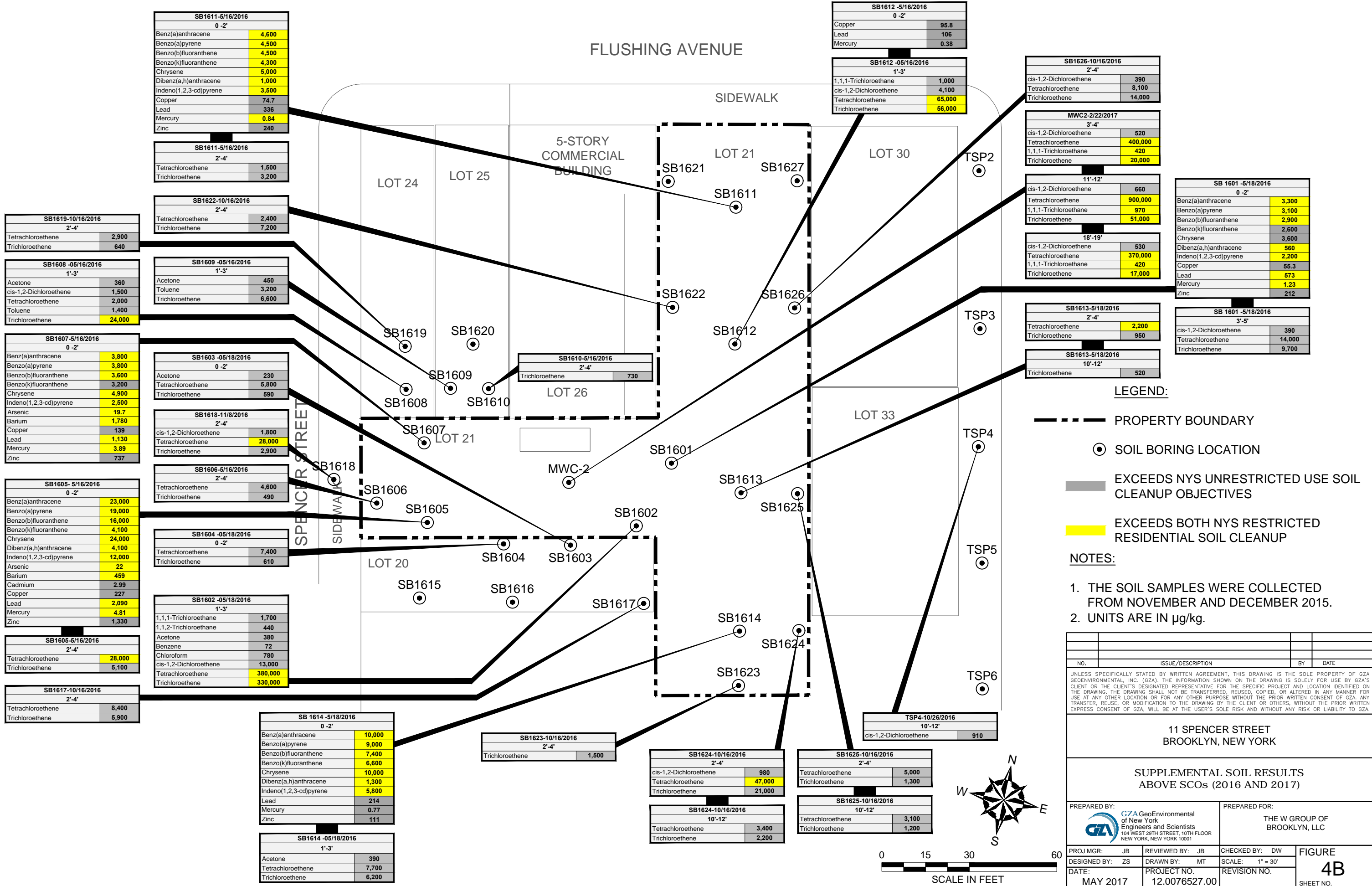
FLUSHING AVENUE

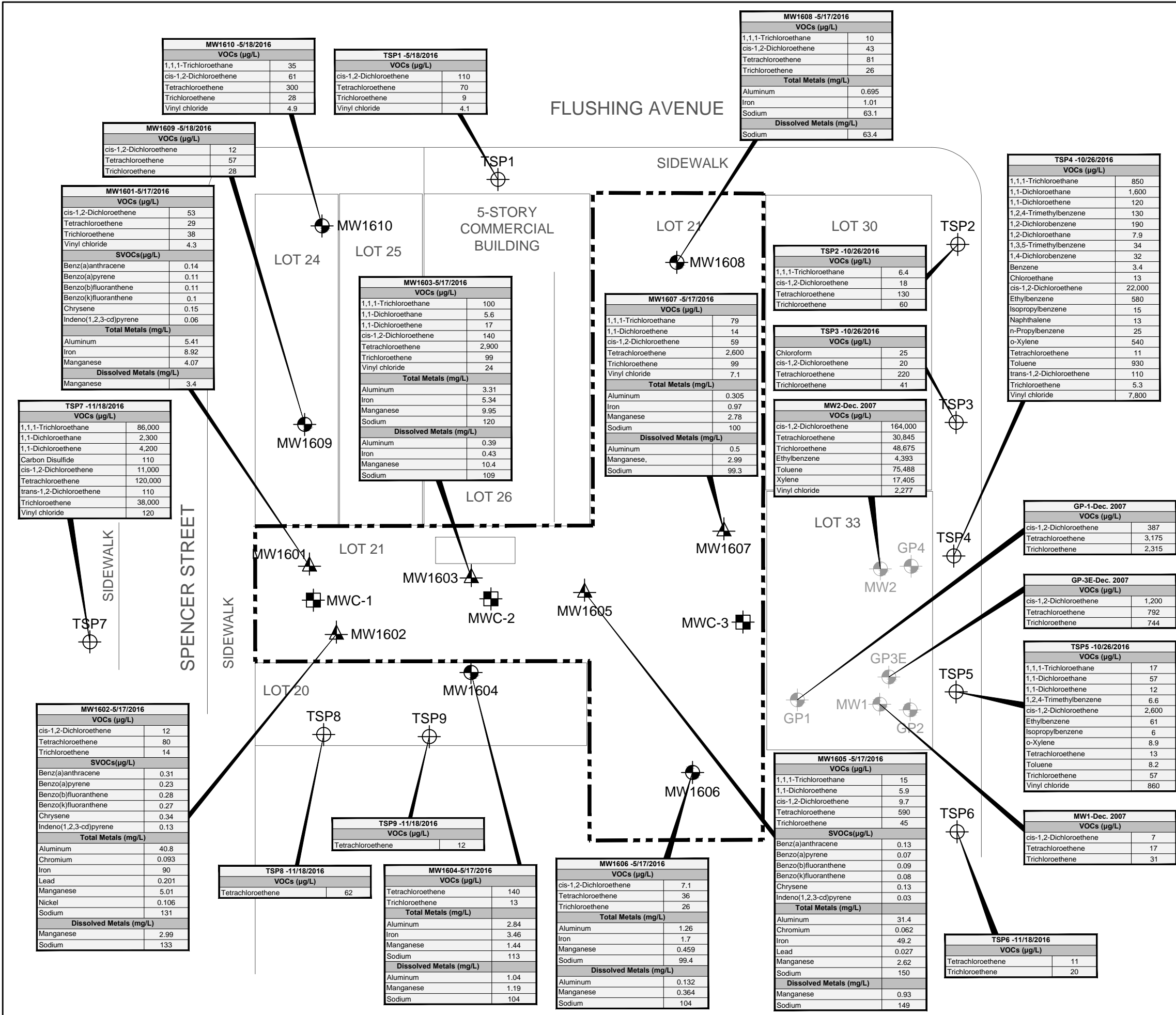
SIDEWALK

5-STORY
COMMERCIAL
BUILDING

SPENCER STREET

SIDEWALK





LEGEND:

- PROPERTY BOUNDARY
- MONITORING WELL LOCATION
- ⊕ TEMPORARY PROBE SAMPLING POINT
- ⊞ INSTALLED PERMANENT MONITORING WELL CLUSTER TO 40' AND 50' BGS
- ▲ REDEVELOPED WELL FOR RESAMPLING

SCALE IN FEET

0 15 30 60

**11 SPENCER STREET
BROOKLYN, NEW YORK**

GROUNDWATER SAMPLE EXCEEDANCES (2016)

NO.	ISSUE/DESCRIPTION	BY	DATE
UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.			

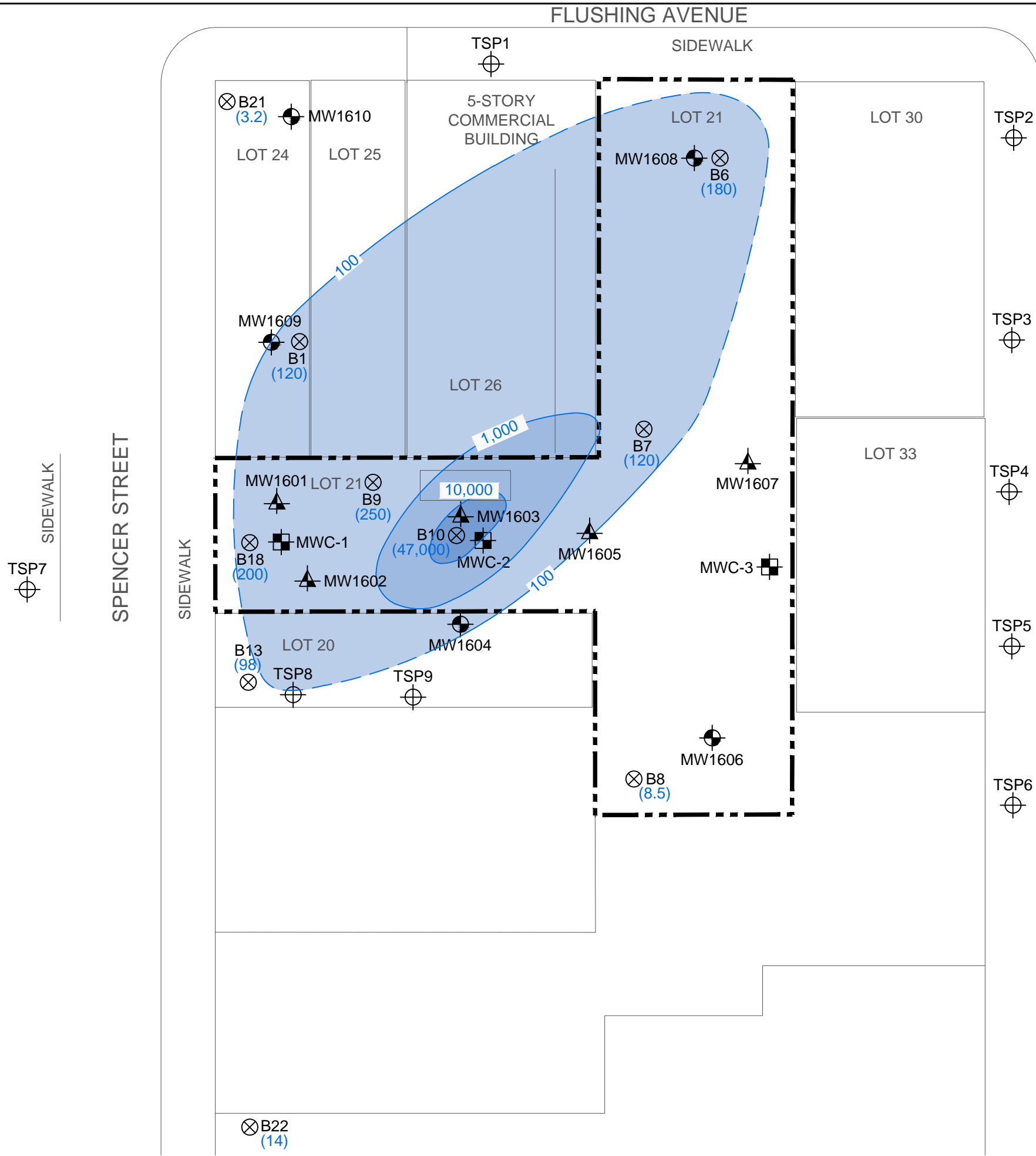
PREPARED BY: GZA GeoEnvironmental of New York Engineers and Scientists
104 WEST 29TH STREET, 10TH FLOOR
NEW YORK, NEW YORK 10001

PREPARED FOR: THE W GROUP OF BROOKLYN, LLC








PROJ MGR: JB	REVIEWED BY: JB	CHECKED BY: DW	FIGURE
DESIGNED BY: ZS	DRAWN BY: MT	SCALE: 1" = 30'	5A
DATE: MAY 2017	PROJECT NO. 12.0076527.00	REVISION NO.	SHEET NO.

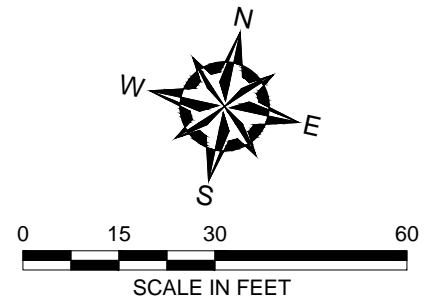
A compass rose is centered above a scale bar. The compass rose has four main points labeled N (North), S (South), E (East), and W (West). The scale bar is a horizontal line with alternating black and white segments. It is marked with the numbers 0, 15, 30, and 60. Below the scale bar, the text "SCALE IN FEET" is written.

NO.	ISSUE/DESCRIPTION			BY	DATE
UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOTECHNICAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSMERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.					
11 SPENCER STREET BROOKLYN, NEW YORK					
SUPPLEMENTAL GROUNDWATER SAMPLE EXCEEDANCES					
PREPARED BY:  GZA GeoEnvironmental of New York Engineers and Scientists 104 WEST 20TH STREET, 10TH FLOOR NEW YORK, NEW YORK 10001			PREPARED FOR: THE W GROUP OF BROOKLYN, LLC		
PROJ MGR: JB	REVIEWED BY: JB	CHECKED BY: DW	FIGURE 5B SHEET NO.		
DESIGNED BY: ZS	DRAWN BY: MT	SCALE: 1" = 30'			
DATE: MAY 2017	PROJECT NO. 12.0076527.00	REVISION NO.			



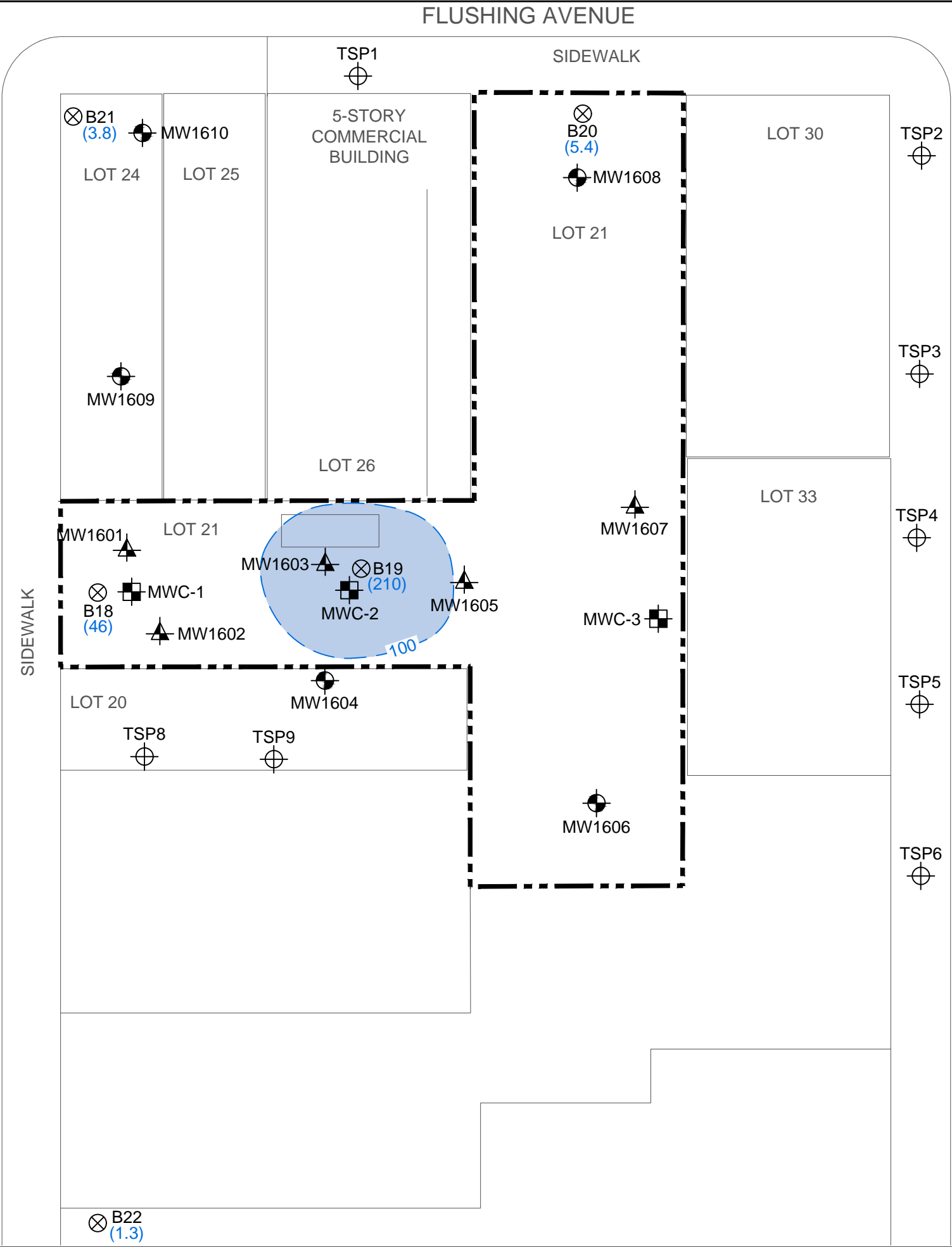
LEGEND:

-  PROPERTY BOUNDARY
 MONITORING WELL LOCATION
 TEMPORARY PROBE SAMPLING POINT
 INSTALLED PERMANENT MONITORING WELL CLUSTER TO 40' AND 50' BGS
 REDEVELOPED WELL FOR RESAMPLING
 PCE CONTOUR
 INFERRED PCE CONTOUR
(120) PCE CONCENTRATION ($\mu\text{g/L}$)

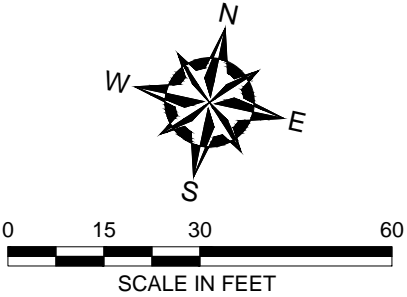



NO.	ISSUE/DESCRIPTION						BY	DATE	
UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.									
11 SPENCER STREET BROOKLYN, NEW YORK									
SHALLOW PCE PLUME JULY 2014									
PREPARED BY:  GZA GeoEnvironmental of New York Engineers and Scientists 104 WEST 29TH STREET NEW YORK, NEW YORK 10001					PREPARED FOR: THE W GROUP OF BROOKLYN, LLC				
PROJ MGR: JB		REVIEWED BY: JB		CHECKED BY: DW		FIGURE 6A SHEET NO.			
DESIGNED BY: ZS		DRAWN BY: MT		SCALE: 1" = 30'					
DATE: MAY 2017		PROJECT NO: 12.0076527.00		REVISION NO.					

© 2017 - GZA GeoEnvironmental, Inc. GZA-J:\76500\S\12.0076527.00\FIGURES\CAD\TASK 3\76527.03.001.DWG FIG-6B MAY 12, 2017 MIGUEL TORRES

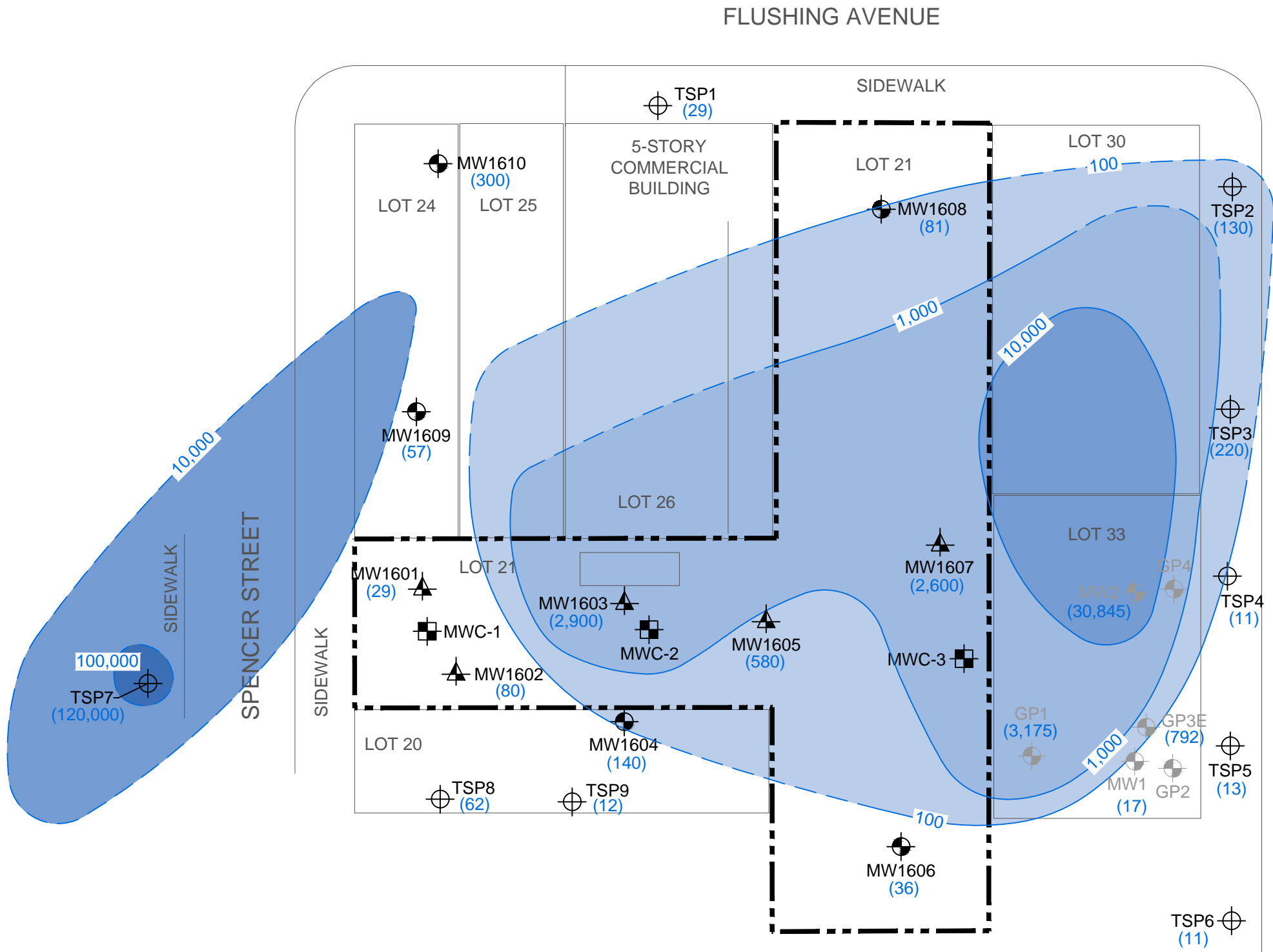


- LEGEND:**
- PROPERTY BOUNDARY
 - ⊕ MONITORING WELL LOCATION
 - ⊕ TEMPORARY PROBE SAMPLING POINT
 - ⊕ INSTALLED PERMANENT MONITORING WELL CLUSTER TO 40' AND 50' BGS
 - ▲ REDEVELOPED WELL FOR RESAMPLING
 - PCE CONTOUR
 - - - INFERRED PCE CONTOUR
 - (210) PCE CONCENTRATION (µg/L)

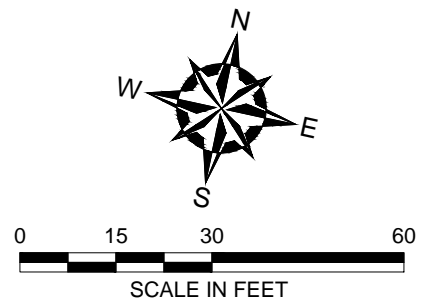



NO.	ISSUE/DESCRIPTION	BY	DATE
UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.			
11 SPENCER STREET BROOKLYN, NEW YORK			
DEEP PCE PLUME SEPTEMBER 2014			
PREPARED BY:  GZA GeoEnvironmental of New York Engineers and Scientists 104 WEST 29TH STREET, 10TH FLOOR NEW YORK, NEW YORK 10001		PREPARED FOR: THE W GROUP OF BROOKLYN, LLC	
PROJ MGR: JB	REVIEWED BY: JB	CHECKED BY: DW	FIGURE 6B SHEET NO.
DESIGNED BY: ZS	DRAWN BY: MT	SCALE: 1" = 30'	
DATE: MAY 2017	PROJECT NO. 12.0076527.00	REVISION NO.	

© 2017 - GZA GeoEnvironmental, Inc. GZA-J:\76500\S\12.0076527.00\FIGURES\CAD\TASK 3\76527.03.001.DWG FIG-6C MAY 12, 2017 MIGUEL TORRES

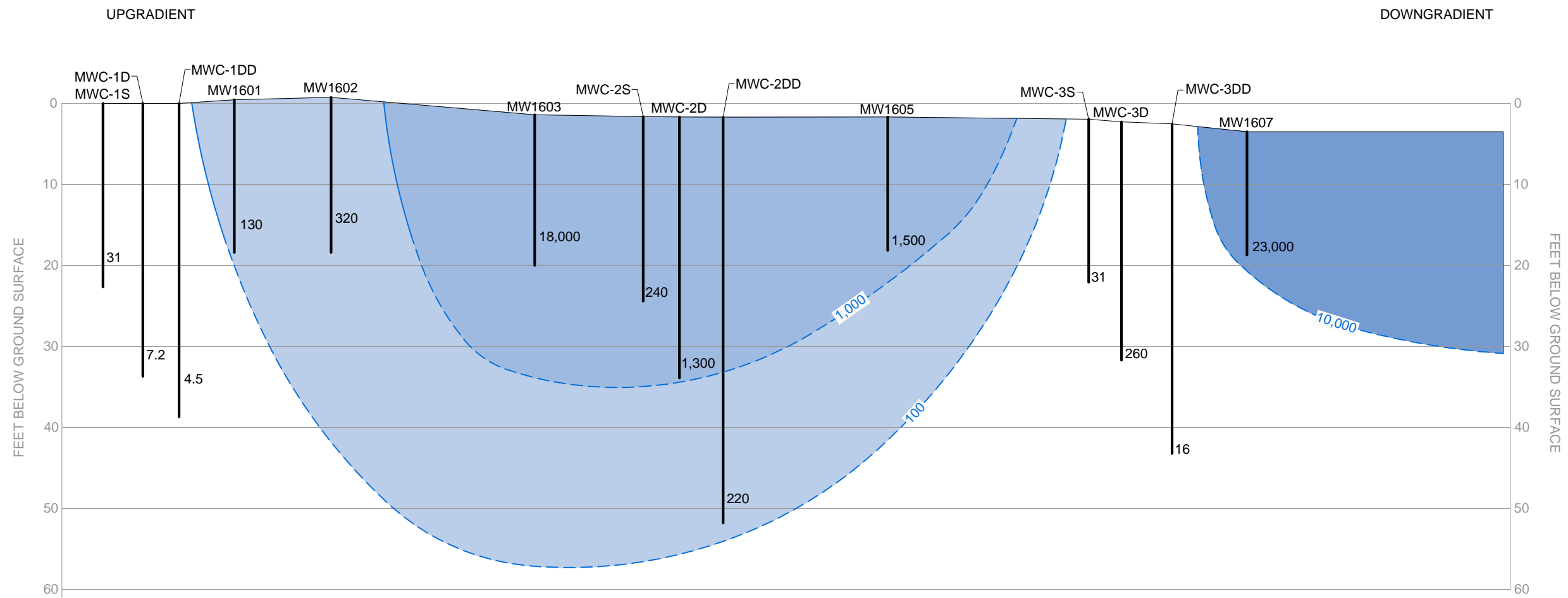


- LEGEND:**
- PROPERTY BOUNDARY
 - MONITORING WELL LOCATION
 - ⊕ TEMPORARY PROBE SAMPLING POINT
 - INSTALLED PERMANENT MONITORING WELL CLUSTER TO 40' AND 50' BGS
 - ▲ REDEVELOPED WELL FOR RESAMPLING
 - PCE CONTOUR
 - - - INFERRED PCE CONTOUR
 - (220) PCE CONCENTRATION (µg/L)




NO.	ISSUE/DESCRIPTION	BY	DATE
UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.			
11 SPENCER STREET BROOKLYN, NEW YORK			
SHALLOW PCE PLUME MAY 2016 - NOVEMBER 2016			
PREPARED BY:  GZA GeoEnvironmental of New York Engineers and Scientists 104 WEST 29TH STREET, 10TH FLOOR NEW YORK, NEW YORK 10001		PREPARED FOR: THE W GROUP OF BROOKLYN, LLC	
PROJ MGR: JB	REVIEWED BY: JB	CHECKED BY: DW	FIGURE 6C SHEET NO.
DESIGNED BY: ZS	DRAWN BY: MT	SCALE: 1" = 30'	
DATE: MAY 2017	PROJECT NO. 12.0076527.00	REVISION NO.	

© 2017 - GZA GeoEnvironmental, Inc. GZA-J:\76500'S\12.0076527.00\FIGURES\CAD\TASK 3\76527.03.001.DWG FIG-6D MAY 12, 2017 MIGUEL TORRES



LEGEND:

- PCE CONTOUR
- - - INFERRED PCE CONTOUR
- (220) PCE CONCENTRATION (µg/L)

NO.	ISSUE/DESCRIPTION	BY	DATE
UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.			
11 SPENCER STREET BROOKLYN, NEW YORK			
PCE PLUME CROSS SECTION APRIL 2017			
PREPARED BY:  GZA GeoEnvironmental of New York Engineers and Scientists 104 WEST 29TH STREET, 10TH FLOOR NEW YORK, NEW YORK 10001		PREPARED FOR: THE W GROUP OF BROOKLYN, LLC	
PROJ MGR: JB	REVIEWED BY: JB	CHECKED BY: DW	FIGURE 6D SHEET NO.
DESIGNED BY: ZS	DRAWN BY: MT	SCALE: NOT TO SCALE	
DATE: MAY 2017	PROJECT NO. 12.0076527.00	REVISION NO.	

© 2017 - GZA GeoEnvironmental, Inc. GZA-J:\76500\S\12.0076527.00\FIGURES\CAD\TASK 3\76527.03.001.DWG FIG-7A MAY 12, 2017 MIGUEL TORRES

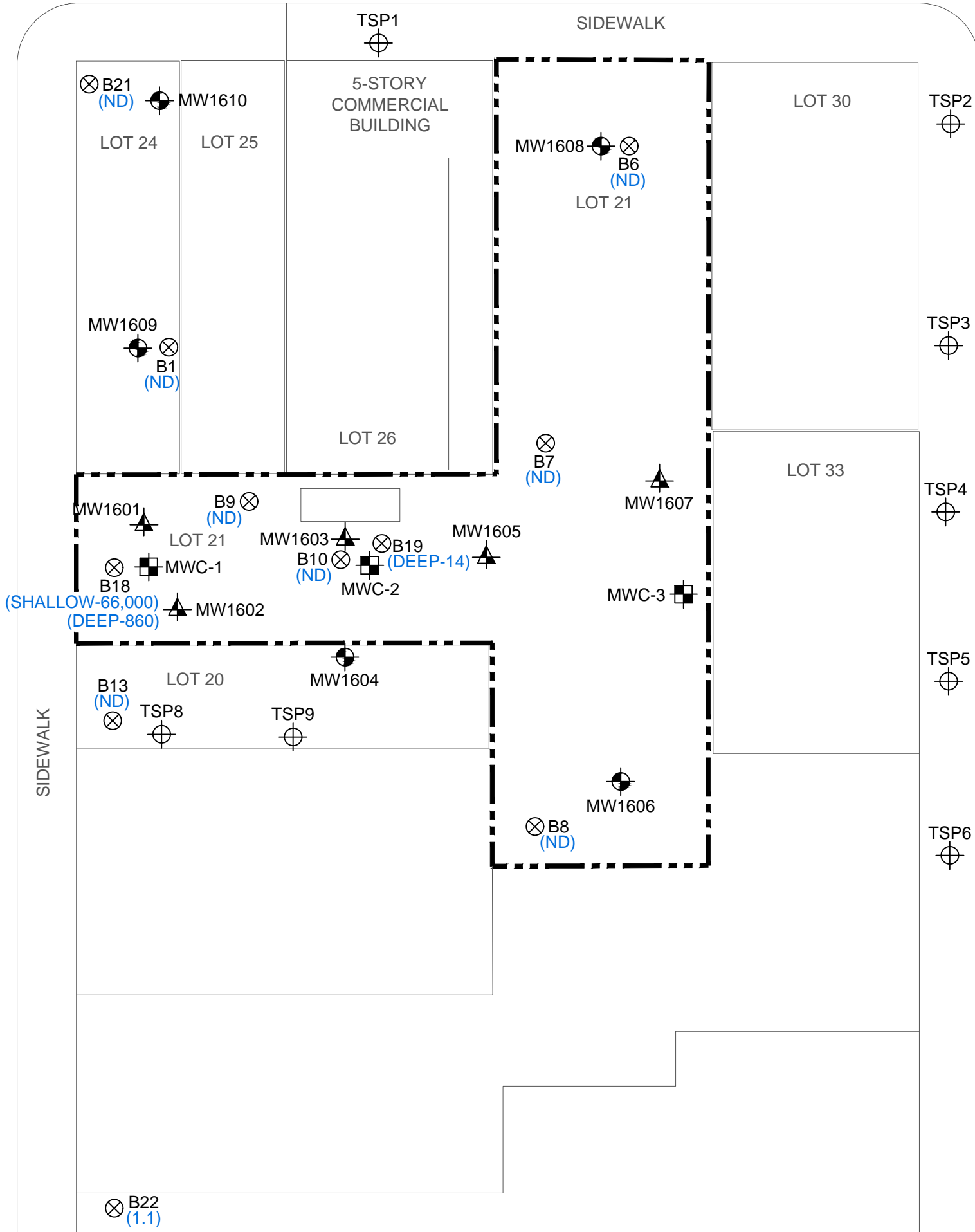
SPENCER STREET

SIDEWALK

SIDEWALK

FLUSHING AVENUE

SIDEWALK

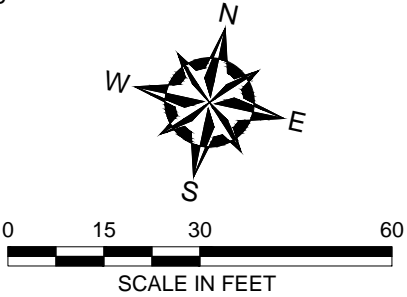


LEGEND:

- PROPERTY BOUNDARY
- ⊙ MONITORING WELL LOCATION
- ⊕ TEMPORARY PROBE SAMPLING POINT
- ⊞ INSTALLED PERMANENT MONITORING WELL CLUSTER TO 40' AND 50' BGS
- ▲ REDEVELOPED WELL FOR RESAMPLING
- (66,000) TOLUENE CONCENTRATION
- (ND) NON-DETECTABLE

NOTE:

1. UNITS ARE IN µg/L.



NO.	ISSUE/DESCRIPTION	BY	DATE
UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.			
11 SPENCER STREET BROOKLYN, NEW YORK			
TOLUENE EXCEEDANCE IN GROUNDWATER (2014)			
PREPARED BY: GZA GeoEnvironmental of New York Engineers and Scientists 104 WEST 29TH STREET, 10TH FLOOR NEW YORK, NEW YORK 10001		PREPARED FOR: THE W GROUP OF BROOKLYN, LLC	
PROJ MGR: JB	REVIEWED BY: JB	CHECKED BY: DW	FIGURE 7A SHEET NO.
DESIGNED BY: ZS	DRAWN BY: MT	SCALE: 1" = 30'	
DATE: MAY 2017	PROJECT NO. 12.0076527.00	REVISION NO.	

© 2017 - GZA GeoEnvironmental, Inc. GZA-J:\76500\S\12.0076527.00\FIGURES\CAD\TASK 3\76527.03.001.DWG FIG-7B MAY 12, 2017 MIGUEL TORRES

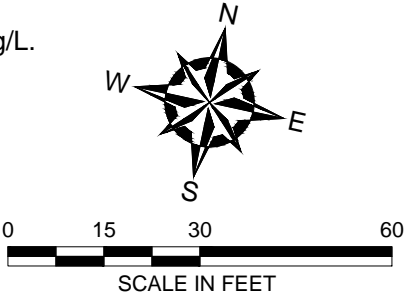


LEGEND:

- PROPERTY BOUNDARY
- ⊕ MONITORING WELL LOCATION
- ⊕ TEMPORARY PROBE SAMPLING POINT
- ⊕ INSTALLED PERMANENT MONITORING WELL CLUSTER TO 40' AND 50' BGS
- ▲ REDEVELOPED WELL FOR RESAMPLING
- (260) TOLUENE CONCENTRATION
- (ND) NON-DETECTABLE

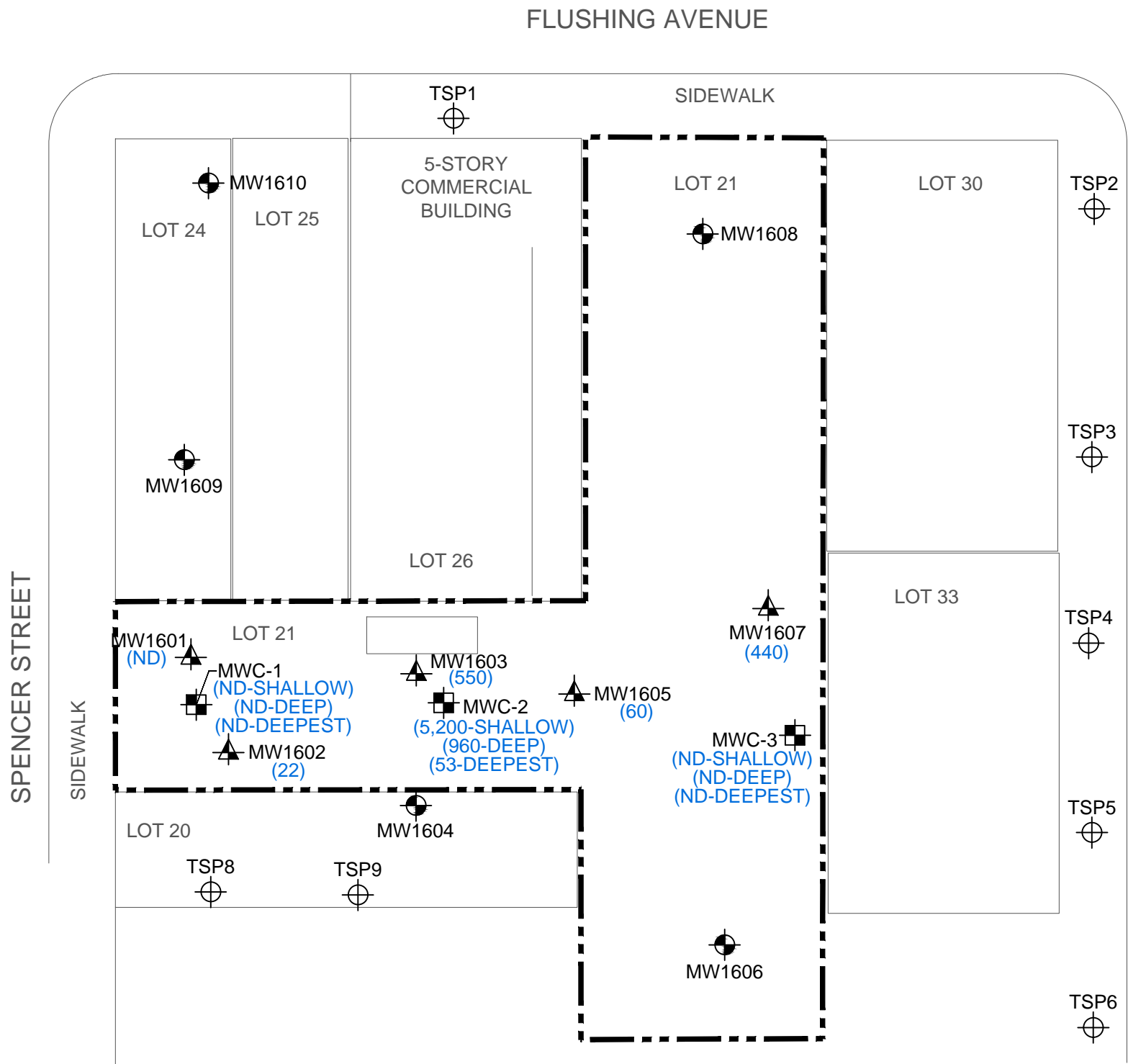
NOTE:

1. UNITS ARE IN µg/L.



NO.	ISSUE/DESCRIPTION	BY	DATE
UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.			
11 SPENCER STREET BROOKLYN, NEW YORK			
TOLUENE EXCEEDANCE IN GROUNDWATER (2017)			
PREPARED BY: GZA GeoEnvironmental of New York Engineers and Scientists 104 WEST 29TH STREET, 10TH FLOOR NEW YORK, NEW YORK 10001		PREPARED FOR: THE W GROUP OF BROOKLYN, LLC	
PROJ MGR: JB	REVIEWED BY: JB	CHECKED BY: DW	FIGURE 7B SHEET NO.
DESIGNED BY: ZS	DRAWN BY: MT	SCALE: 1" = 30'	
DATE: MAY 2017	PROJECT NO. 12.0076527.00	REVISION NO.	

© 2017 - GZA GeoEnvironmental, Inc. GZA-J:\76500\S\12.0076527.00\FIGURES\CAD\TASK 3\76527.03.001.DWG FIG-8 MAY 12, 2017 MIGUEL TORRES

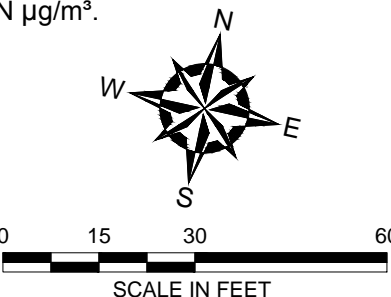


LEGEND:

- PROPERTY BOUNDARY
- MONITORING WELL LOCATION
- ⊕ TEMPORARY PROBE SAMPLING POINT
- INSTALLED PERMANENT MONITORING WELL CLUSTER TO 40' AND 50' BGS
- ▲ REDEVELOPED WELL FOR RESAMPLING
- (440) 1,4-DIOXANE CONCENTRATION
- (ND) NON-DETECTABLE

NOTE:

1. UNITS ARE IN $\mu\text{g}/\text{m}^3$.



NO.	ISSUE/DESCRIPTION	BY	DATE
UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.			
11 SPENCER STREET BROOKLYN, NEW YORK			
1,4-DIOXANE EXCEEDANCE IN GROUNDWATER APRIL 2017			
PREPARED BY: GZA GeoEnvironmental of New York Engineers and Scientists 104 WEST 29TH STREET, 10TH FLOOR NEW YORK, NEW YORK 10001		PREPARED FOR: THE W GROUP OF BROOKLYN, LLC	
PROJ MGR: JB	REVIEWED BY: JB	CHECKED BY: DW	FIGURE 8 SHEET NO.
DESIGNED BY: ZS	DRAWN BY: MT	SCALE: 1" = 30'	
DATE: MAY 2017	PROJECT NO. 12.0076527.00	REVISION NO.	

© 2017 - GZA GeoEnvironmental, Inc. GZA-J:\76500\S\12.0076527\00\FIGURES\CAD\TASK 3\76527.03.001.DWG FIG-9A MAY 12, 2017 MIGUEL TORRES

FLUSHING AVENUE

SIDEWALK

SPENCER STREET

SIDEWALK

SIDEWALK

735 BEDFORD

SS-5
PCE (27)
TCE (2.85)
IA-5
PCE (2.65)
TCE (0.21)

LOT 24

LOT 25

5-STORY
COMMERCIAL
BUILDING

LOT 26

LOT 21

LOT 30

SS-2
PCE (2,520)
TCE (1,160)
IA-2
PCE (9,150)
TCE (943)

LOT 21

SS-1
PCE (1,200,000)
TCE (88,700)
IA-1
PCE (22)
TCE (4.73)

LOT 20

SS-3
PCE (125)
TCE (716)
IA-3
PCE (112)
TCE (9.62)

OA-1
PCE (5.56)
TCE (0.48)

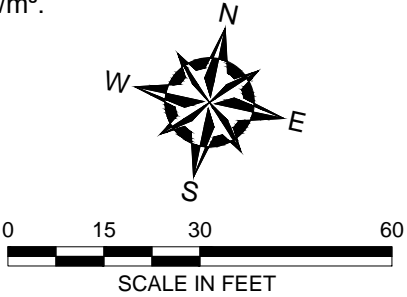
SS-4
PCE (12.1)
TCE (2.26)
IA-4
PCE (15.5)
TCE (1.45)

LEGEND:

- PROPERTY BOUNDARY
- SUB-SLAB SAMPLE LOCATION PERFORMED BY PREVIOUS CONSULTANT
- ▲ INDOOR AIR SAMPLE PERFORMED BY PREVIOUS CONSULTANT
- ▲ OUTDOOR AIR SAMPLE PERFORMED BY PREVIOUS CONSULTANT

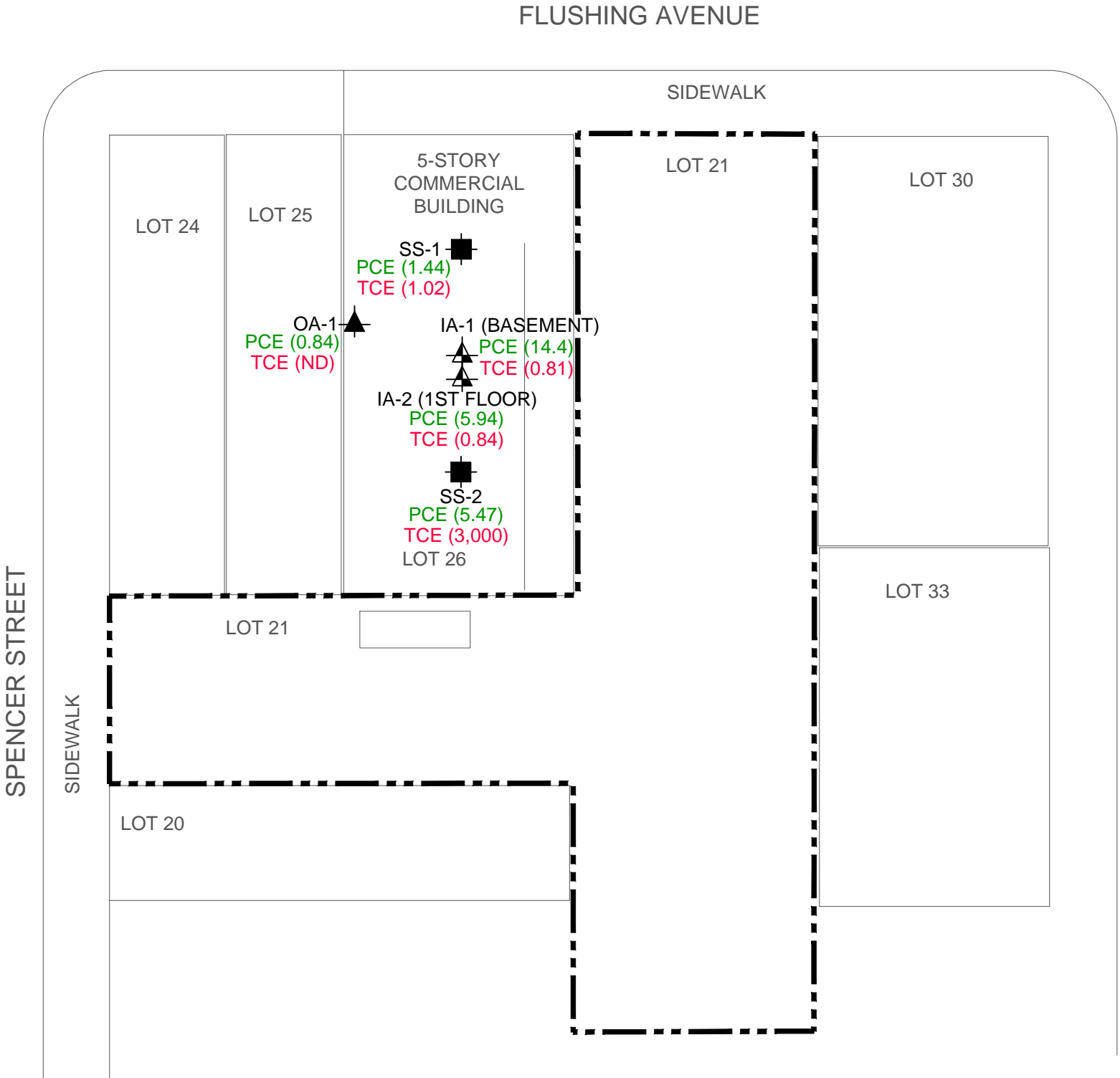
NOTE:

1. UNITS ARE IN $\mu\text{g}/\text{m}^3$.



NO.	ISSUE/DESCRIPTION	BY	DATE
UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.			
11 SPENCER STREET BROOKLYN, NEW YORK			
INDOOR AIR AND SUB-SLAB VAPOR DETECTIONS (2014)			
PREPARED BY:  GZA GeoEnvironmental of New York Engineers and Scientists 104 WEST 29TH STREET, 10TH FLOOR NEW YORK, NEW YORK 10001		PREPARED FOR: THE W GROUP OF BROOKLYN, LLC	
PROJ MGR: JB	REVIEWED BY: JB	CHECKED BY: DW	FIGURE 9A SHEET NO.
DESIGNED BY: ZS	DRAWN BY: MT	SCALE: 1" = 30'	
DATE: MAY 2017	PROJECT NO. 12.0076527.00	REVISION NO.	

© 2017 - GZA GeoEnvironmental, Inc. GZA-J:\76500'S\12.0076527.00\FIGURES\CAD\TASK 3\76527.03.001.DWG FIG-9B MAY 12, 2017 MIGUEL TORRES

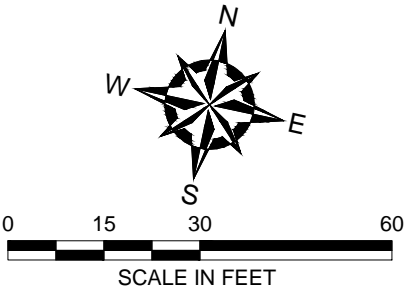



LEGEND:

- PROPERTY BOUNDARY
- SUB-SLAB VAPOR SAMPLE
- ▲ INDOOR AIR SAMPLE
- ▲ OUTDOOR AIR SAMPLE

NOTE:

1. UNITS ARE IN $\mu\text{g}/\text{m}^3$.



NO.	ISSUE/DESCRIPTION	BY	DATE
UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.			
11 SPENCER STREET BROOKLYN, NEW YORK			
INDOOR AIR AND SUB-SLAB VAPOR DETECTIONS FEBRUARY 2016			
PREPARED BY:  GZA GeoEnvironmental of New York Engineers and Scientists 104 WEST 29TH STREET, 10TH FLOOR NEW YORK, NEW YORK 10001		PREPARED FOR: THE W GROUP OF BROOKLYN, LLC	
PROJ MGR: JB	REVIEWED BY: JB	CHECKED BY: DW	FIGURE 9B SHEET NO.
DESIGNED BY: ZS	DRAWN BY: MT	SCALE: 1" = 30'	
DATE: MAY 2017	PROJECT NO. 12.0076527.00	REVISION NO.	

SG3	
5/17/2016	
1,1,1-Trichloroethane	85.1
1,2,4-Trimethylbenzene	10.8
1,3,5-Trimethylbenzene	3.59
2-Hexanone(MBK)	8.43
4-Ethyltoluene	2.49
Acetone	45.3
Benzene	1.06
Carbon Disulfide	2.1
Chloroform	10.1
Dichlorodifluoromethane	2.4
Ethanol	19.8
Ethylbenzene	5.29
Heptane	1.05
Hexane	1.74
Isopropylalcohol	2.51
m,p-Xylene	22.5
Methyl Ethyl Ketone	90.5
o-Xylene	8.33
Propylene	7.65
Styrene	1.38
Tetrachloroethene	4,790
Toluene	11.7
Trichloroethene	301
Trichlorofluoromethane	2.93
Trichlorotrifluoroethane	1.89

SG2	
5/17/2016	
1,1,1-Trichloroethane	206
1,2,4-Trimethylbenzene	9.04
1,3,5-Trimethylbenzene	3.01
4-Ethyltoluene	2.48
Acetone	215
Benzene	3.58
Carbon Disulfide	9.09
Chloromethane	1.09
Dichlorodifluoromethane	1.79
Ethanol	34.3
Ethylbenzene	11.8
Heptane	167
Hexane	398
m,p-Xylene	40.9
Methyl Ethyl Ketone	248
o-Xylene	13.2
Propylene	198
Styrene	1.33
Tetrachloroethene	2,600
Toluene	29.2
Trichloroethene	166
Trichlorofluoromethane	4.36
Trichlorotrifluoroethane	35.5

SG1	
5/17/2016	
1,1-Dichloroethane	287
1,1-Dichloroethene	81.6
1,2,4-Trimethylbenzene	15.7
1,3,5-Trimethylbenzene	4.9
4-Ethyltoluene	3.64
Acetone	91.6
Benzene	29.9
Carbon Disulfide	33.9
Carbon Tetrachloride	3.26
Chloroethane	3.27
Chloroform	117
Cis-1,2-Dichloroethene	1,810
Cyclohexane	44.7
Dichlorodifluoromethane	6.18
Ethanol	26.4
Ethylbenzene	19.1
Heptane	82.3
Hexane	52.8
Isopropylalcohol	5.4
Isopropylbenzene	1.87
m,p-Xylene	62.1
Methylene Chloride	3.41
o-Xylene	21.8
Propylene	34.1
Styrene	1.68
Tetrachloroethene	15,300
Toluene	606
Trans-1,2-Dichloroethene	31.3
Trichloroethene	4,350
Trichlorofluoromethane	69.1
Trichlorotrifluoroethane	3.9
Vinyl Chloride	1.65

SS1	
5/17/2016	
1,1,1-Trichloroethane	1,630
1,1-Dichloroethane	371
1,1-Dichloroethene	1,260
1,2,4-Trimethylbenzene	7.62
1,3,5-Trimethylbenzene	2.3
2-Hexanone(MBK)	6.96
4-Ethyltoluene	2.25
Benzene	39
Carbon Disulfide	1.22
Carbon Tetrachloride	39.9
Chloroform	265
Cis-1,2-Dichloroethene	349
Cyclohexane	7.05
Dichlorodifluoromethane	11.5
Ethanol	29.9
Ethylbenzene	5.42
Hexachlorobutadiene	1.68
Hexane	1.67
Isopropylalcohol	4.08
m,p-Xylene	22
Methyl Ethyl Ketone	14.9
Methylene Chloride	10.2
o-Xylene	7.42
Styrene	1.84
Tetrachloroethene	198,000
Toluene	8.62
Trans-1,2-Dichloroethene	28.5
Trichloroethene	26,200
Trichlorofluoromethane	3,480
Trichlorotrifluoroethane	11.4

SS7	
5/17/2016	
1,1,1-Trichloroethane	752
1,1,2-Trichloroethane	24.4
1,1-Dichloroethane	102
1,1-Dichloroethene	25.8
1,2,4-Trimethylbenzene	11.8
1,3,5-Trimethylbenzene	3.48
2-Hexanone(MBK)	12.4
4-Ethyltoluene	2.18
Acetone	11.9
Benzene	14.7
Carbon Tetrachloride	69.8
Chloroform	167
Cis-1,2-Dichloroethene	939
Cyclohexane	1.46
Dichlorodifluoromethane	177
Ethanol	36.2
Ethylbenzene	6.94
Heptane	1.87
Hexane	2.66
Isopropylalcohol	4.32
m,p-Xylene	28.8
Methyl Ethyl Ketone	66.6
Methylene Chloride	1.22
o-Xylene	9.59
Propylene	3.63
Styrene	1.56
Tetrachloroethene	17,600
Toluene	8.62
Trans-1,2-Dichloroethene	140
Trichloroethene	43,500
Trichlorotrifluoroethane	7.09

FLUSHING AVENUE

SIDEWALK

5-STORY
COMMERCIAL
BUILDING

LOT 21

LOT 30

SS4

SS3

SS5

LOT 33

SS2

SS6

SS7

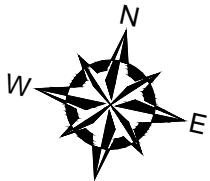
SS3	
5/17/2016	
1,1,1-Trichloroethane	949
1,1-Dichloroethane	23.3
1,2,4-Trimethylbenzene	6.68
1,3,5-Trimethylbenzene	2.12
2-Hexanone(MBK)	6.26
4-Ethyltoluene	1.57
Acetone	25.9
Benzene	1.8
Carbon Tetrachloride	81.7
Chloroform	139
Cis-1,2-Dichloroethene	30.7
Dichlorodifluoromethane	2.5
Ethanol	26.4
Ethylbenzene	4.2
Hexane	1.17
Isopropylalcohol	4.72
m,p-Xylene	17.1
Methyl Ethyl Ketone	26.6
Methylene Chloride	2.2
o-Xylene	5.9
Propylene	2.13
Styrene	1.51
Tetrachloroethene	1,080
Toluene	6.44
Trichloroethene	3,520
Trichlorofluoromethane	9.21
Trichlorotrifluoroethane	218

SS5	
5/17/2016	
1,1,1-Trichloroethane	10,300
1,1,2-Trichloroethane	10.9
1,1-Dichloroethane	465
1,1-Dichloroethene	543
1,2,4-Trimethylbenzene	8.4
1,3,5-Trimethylbenzene	2.67
2-Hexanone(MBK)	14.1
4-Ethyltoluene	2.39
Acetone	14.2
Benzene	7.41
Carbon Tetrachloride	433
Chloroform	204
Cis-1,2-Dichloroethene	7,290
Cyclohexane	2.94
Dichlorodifluoromethane	2.81
Ethanol	30.9
Ethylbenzene	6.68
Heptane	1.45
Hexane	1.79
Isopropylalcohol	5.04
m,p-Xylene	27.1
Methyl Ethyl Ketone	46.3
Methylene Chloride	4.79
o-Xylene	8.72
Propylene	9.72
Styrene	1.69
Tetrachloroethene	31,000
Toluene	9.68
Trans-1,2-Dichloroethene	120
Trichloroethene	34,000
Trichlorofluoromethane	30
Trichlorotrifluoroethane	2,470
Vinyl Chloride	1.51

SS4	
5/17/2016	
1,1,1-Trichloroethane	146
1,1-Dichloroethane	11.7
1,2,4-Trimethylbenzene	6.39
1,3,5-Trimethylbenzene	2.17
2-Hexanone(MBK)	16.7
4-Ethyltoluene	1.67
Acetone	19.4
Benzene	2.16
Carbon Disulfide	1.85
Carbon Tetrachloride	1.08
Chloroform	72.2
Cis-1,2-Dichloroethene	151
Cyclohexane	1.82
Dichlorodifluoromethane	2.46
Ethanol	38.6
Ethylbenzene	6.94
Heptane	1.74
Hexane	1.86
Isopropylalcohol	4.37
m,p-Xylene	26.9
Methyl Ethyl Ketone	81.3
Methylene Chloride	1.28
o-Xylene	8.55
Propylene	3.68
Styrene	1.68
Tetrachloroethene	1,440
Toluene	12.1
Trans-1,2-Dichloroethene	3.96
Trichloroethene	1,330
Trichlorofluoromethane	6.51
Trichlorotrifluoroethane	7.15

SS2	
5/17/2016	
1,1,1-Trichloroethane	67.1
1,1-Dichloroethane	1.69
1,1-Dichloroethene	6.54
1,2,4-Trimethylbenzene	3.2
1,3,5-Trimethylbenzene	1.31
2-Hexanone(MBK)	2.57
Acetone	13.6
Benzene	1.19
Carbon Tetrachloride	0.67
Chloroform	2.3
Chloromethane	1.14
Cis-1,2-Dichloroethene	1.38
Dichlorodifluoromethane	2.47
Ethanol	36.9
Ethylbenzene	1.99
Heptane	1.2
Hexane	1.75
Isopropylalcohol	4.96
m,p-Xylene	6.55
Methyl Ethyl Ketone	16.5
Methylene Chloride	1.69
o-Xylene	2.4
Propylene	2.73
Tetrachloroethene	270
Toluene	5.76
Trichloroethene	62.3
Trichlorofluoromethane	7.97

SS6	
5/17/2016	
1,1,1-Trichloroethane	8,560
1,1,2-Trichloroethane	53.6
1,1-Dichloroethane	914
1,3,5-Trimethylbenzene	10
1,2,4-Trimethylbenzene	3.05
2-Hexanone(MBK)	13.2
4-Ethyltoluene	2.25
Acetone	49.1
Benzene	25.8
Bromomethane	3.03
Carbon Tetrachloride	1,440
Chloroethane	1.16
Chloroform	326
Chloromethane	1.58
Cis-1,2-Dichloroethene	15,000
Dichlorodifluoromethane	2.59
Ethanol	26
Ethylbenzene	7.64
Hexane	2.73
Isopropylalcohol	6.29
m,p-Xylene	29.7
Methyl Ethyl Ketone	45.4
Methylene Chloride	3.75
o-Xylene	10.3
Propylene	14.5
Styrene	1.31
Tetrachloroethene	247,000
Toluene	9.68
Trans-1,2-Dichloroethene	121
Trichloroethene	155,000
Trichlorofluoromethane	386
Trichlorotrifluoroethane	85.8
Vinyl Chloride	12.4



0 15 30 60
SCALE IN FEET

LEGEND:

--- PROPERTY BOUNDARY

■ SUBSLAB VAPOR SAMPLING LOCATION

▲ SOIL GAS SAMPLING LOCATION

NOTE:

1. UNITS ARE IN $\mu\text{g}/\text{m}^3$.

11 SPENCER STREET
BROOKLYN, NEW YORK

SOIL GAS AND SUB-SLAB SOIL VAPOR DETECTIONS
MAY 2016

PREPARED BY:



GZA GeoEnvironmental
of New York
Engineers and Scientists
104 WEST 29TH STREET, 10TH FLOOR
NEW YORK, NEW YORK 10001

PREPARED FOR:

THE W GROUP OF
BROOKLYN, LLC

PROJ MGR: JB

REVIEWED BY: JB

CHECKED BY: DW

FIGURE

DESIGNED BY: ZS

DRAWN BY: MT

SCALE: 1" = 30'

9C

DATE: MAY 2017

PROJECT NO. 12.0076527.00

REVISION NO.

SHEET NO.

Appendix B - Site Contact List

Local Government Contacts:

Hon. Bill de Blasio
Mayor of New York City
City Hall
New York, NY 10007

Hon. Eric Adams
Brooklyn Borough President
209 Joralemon Street
New York, NY 11201

Mr. Tremaine Wright
Chair, Brooklyn Community Board 3
1360 Fulton Street
Brooklyn, NY, 11216

Mr. Henry Butler
District Manager, Brooklyn Community Board 3
1360 Fulton Street
Brooklyn, NY, 11216

Environmental Committee Chair
Brooklyn Community Board 3
1360 Fulton Street
Brooklyn, NY, 11216

Hon. Stephen Levin
NYC Council Member

410 Atlantic Avenue
Brooklyn, NY 11217

Carl Weisbrod
Commissioner, NYC Dept. of City Planning
22 Reade St.
Third Floor
New York, NY 10007

Keith Bray
New York City Department of Transportation
Brooklyn Borough Commissioner
55 Water Street, 9th Floor
New York, NY 10041

Kings County Clerk's Office
Nancy Sunshine, County Clerk
360 Adams Street, Room 189
Brooklyn, NY 11201

Hon. Letitia James
Public Advocate
1 Centre Street, 15th Floor
New York, NY 10007

Hon. Scott M. Stringer
Office of the Comptroller
1 Centre Street
New York, NY 10007

Hon. Martin Malave Dilan
NYS Senator
781 Knickerbocker Avenue
Brooklyn, NY 11221

Hon. Joseph Lentol
NYS Assemblymember
619 Lorimer Street
Brooklyn, NY 11211

Hon. Charles Schumer
U.S. Senator
780 Third Avenue, Suite 2301
New York, NY 10017

Hon. Kirsten Gillibrand
U.S. Senator
780 Third Avenue, Suite 2601
New York, NY 10017

Hon. Nydia M. Velazquez
U.S. House of Representatives
266 Broadway, Suite 201
Brooklyn, NY 11211

John Wuthenow
Office of Environmental Planning & Assessment
NYC Dept. of Environmental Protection
96-05 Horace Harding Expressway

Flushing, NY 11373

Nilda Mesa, Director
NYC Office of Environmental Coordination
100 Gold Street– 2nd Floor
New York, NY 10038

Daniel Walsh
NYC Department of Environmental Remediation
100 Gold Street – 2nd Floor
New York, NY 10038

Adjacent Property Owner Contacts

Contact information for the identified owners, as listed in the New York City ACRIS Database, are as follows:

470 Flushing Avenue, Brooklyn, NY 11205

Property Owner: Triple L. Realty Corp

Current Tenants: Angela L. Jones

Alla R. Smirnova

Merrily F. Jones

Emily Linstrom

Gerard Greco

Gary A. Handel

480 Flushing Avenue, Brooklyn, NY 11205

Property Owner: Shlomo S. Freedman

Current Tenants: Shlomo Friedman Repair Shop (Business)

8 Walworth Street, Brooklyn, NY 11205

Property Owner: City of New York

Current Tenants: Flushing Fish Market (Business)

Samual Nojovitz (Business)

17 Spencer Street, Brooklyn, NY 11205

Property Owner: Oriental World Cup

Current Tenants: Oriental World Cup

23 Spencer Street, Brooklyn, NY 11205

Property Owner: ITF Corp

Current Tenants: Aqua Best (Seafood Distributor)

25 Spencer Street, Brooklyn, NY 11205

Property Owner: ITF Corp

Current Tenants: Aqua Best (Seafood Distributor)

27 Spencer Street, Brooklyn, NY 11205

Property Owner: ITF Corp

Current Tenants: Aqua Best (Seafood Distributor)

34 Walworth Street, Brooklyn, NY 11205
Property Owner: Congregation Mikvah
Current Tenants: Congregation Mikvah

31 Spencer Street, Brooklyn, NY 11205
Property Owner: Arkwin Home Products
Current Tenants: Kalman Weiss Gilbins Inc. (Business)
Arkwin Home Products (Business)

735 Bedford Avenue, Brooklyn, NY 11205
Property Owner: 735 Bedford Avenue, Inc.
Current Tenants: Vacant

14 Spencer Street, Brooklyn, NY 11205
Property Owner: Jacob Neuschloss
Current Tenants: Dina Lax
Marvin J Cobb
Miriam Malik
Joel Fogel
Miriam Fogel
Meir Lax

16 Spencer Street, Brooklyn, NY 11205
Property Owner: LA Equities LLC
Current Tenants: Superior Electrical Enclosures (Business)

493 Flushing Avenue, Brooklyn, NY 11205
Property Owner: 493 Flushing Realty Co
Current Tenants: Herman Stesel
Israel Lowy
Pyramid House Ltd. (Business)
Jonathon Green
Jacob Grunwald
Anm Management (Business)
J & F Enterprise Usa Inc. (Business)
A 14 Electronics Inc. (Business)

491 Flushing Avenue, Brooklyn, NY 11205
Property Owner: Jason Tsai
Current Tenants: Daniel Khodadadian
Andrea Schulman DPM (Business)
Simon Raskin PC (Business)

485 Flushing Avenue, Brooklyn, NY 11205
Property Owner: 485 Realty of NY LLC
Current Tenants: None

464 Flushing Avenue, Brooklyn, NY 11205

Property Owner: Condos

Condo Owners: Joel Grossberg

J. Goldberger

Esther Brach

Yoel Brach

Yosef Ehrenfeld

Mordechai Weiss

Leiby Weiss

Esther Tirnower

Geno Oberlander

Yankev Y. Weiss

Aron Graus

460 Flushing Avenue, Brooklyn, NY 11205

Property Owner: Condos

Condo Owners: Joel Spitzer

Shlome Y Meisels

Chana Tessler

Gabriel Bauer

Joel Friedman

Yoel Blum

Toves Bsores

Chaim J. Pollack

David O. Schwartz

Zalmen R. Spitzer

Perl Pollack

Shlomo B. Tessler

Chaim Silber

Abraham Silverstein

Solomon Meisels

Miriam Meisels

456 Flushing Avenue, Brooklyn, NY 11205

Property Owner: Condos

Condo Owners: Blimy Kraus

Frimet Berkowitz

Rivka Y. Landau

Shlomo Weinberger

Yecheskel Z. Weinstock

Martha Weichbrod

Harry Kraus

Esther Weitzner

Reli Klar

Shlomo Ganzfried

Eliezer R. Weichbrod

Martin Weitzner

Elimelech Ficher

Emergency Locks & Locksmith (Business)

497 Flushing Avenue, Brooklyn, NY 11205
Property Owner: Better Plastics Corp

486 Flushing Avenue, Brooklyn, NY 11205
Property Owner: Steven Waslin

9 Walworth Street, Brooklyn, NY 11205
Property Owner: Steven Waslin

39 Walworth Street, Brooklyn, NY 11205
Property Owner: Flushing Walworth RE

Flushing Avenue Condominiums
Attn: Development Management Office
461 Flushing Avenue
Brooklyn, NY 11205

Local News Media

The Brooklyn Paper
One Metrotech Center, Suite 1001
Brooklyn, NY 11201
(718) 260-4504

New York Daily News
4 New York Plaza
New York, NY 10004

New York Post
1211 Avenue of the Americas
New York, NY 10036-8790

Courier-Life Publications
1 Metro-Tech Center North - 10th Floor
Brooklyn, NY 11201

Brooklyn Daily Eagle
30 Henry Street
Brooklyn, NY 11201

NY 1 News
75 Ninth Avenue
New York, NY 10011

Public Water Supplier

Hon. Emily Lloyd, Commissioner
New York City Department of Environmental Protection
59-17 Junction Boulevard
Flushing, NY 11373

Requested Contacts

No requests have been made at this time.

Schools and Daycare Facilities

1. Bnei Shimon Yisroel of Sopron
Administrator: Rosa Friedman
18 Warsoff Place
Brooklyn, NY 11205
(718) 855-4092
2. Mosdos Krula
Administrator: Jacob Sreilich
799 Kent Avenue
Brooklyn, NY 11205
(718) 254-8005
3. PS 297 Abraham Stockton School
Administrator: James Brown
700 Park Avenue
Brooklyn, NY 11206
(718) 388-4581
4. Brooklyn Community Arts & Media High School
Administrator: Dawn Flynn
300 Willoughby Avenue
Brooklyn, NY 11205
(718)230-5748

Civic, Religious and Environmental Groups:

New York City Housing Authority
Jean Weinberg, Chief Communications Officer

Marcy Houses
Attn: Development Management Office

648 Park Avenue
Brooklyn, NY 11206

Marcy Houses
Attn: President, Resident's Association
648 Park Avenue
Brooklyn, NY 11206

St. Lucy's Roman Catholic Church
Attn: Pastor
344 East 104th Street
Brooklyn, NY 10029

Congregation Burch Taam
Attn: Rabbi
109 Sandford Street
Brooklyn, NY 11205

Talmud Torah Tashbar
Attn: Rabbi
857 Kent Avenue
Brooklyn, NY 11205