



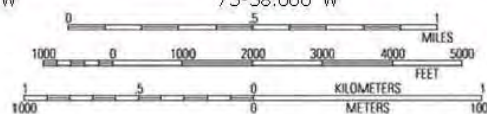
74°00.000' W

73°59.000' W

73°58.000' W

73°57.000' W

WGS84 73°56.000' W



USGS Brooklyn Quadrangle 1995, Contour Interval = 10 feet

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS
1808 MIDDLE COUNTRY ROAD, RIDGE, NY 11961

Phone 631.504.6000
Fax 631.924.2780

FORMER CASCADE LAUNDRY
835 MYRTLE AVENUE, BROOKLYN, NY

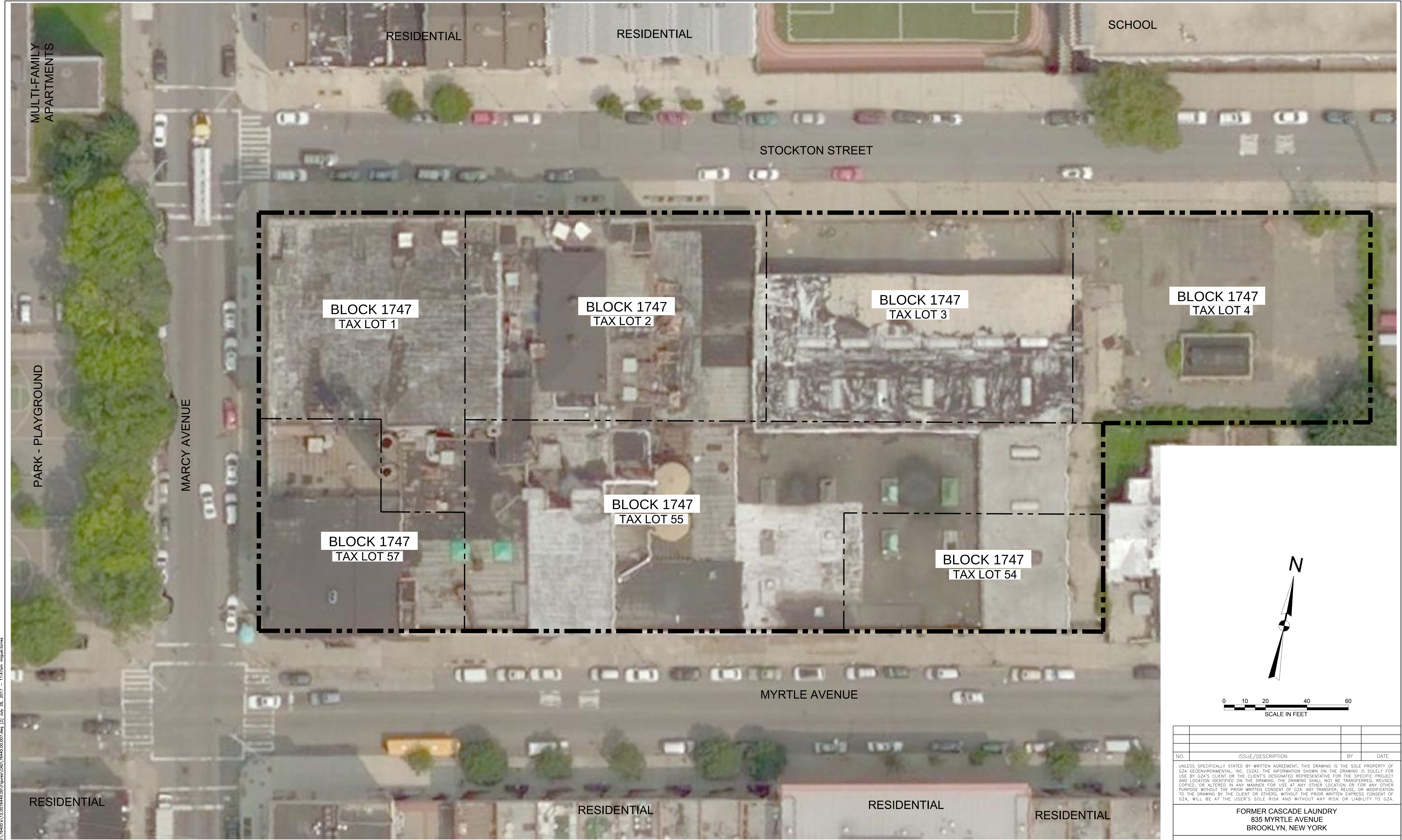
FIGURE 1 SITE LOCATION MAP

40°43.000' N

40°42.000' N

40°41.000' N

MN ↑ TN
13°
10/30/11



©2016 - GZA GeoEnvironmental, Inc. GZA-176440-12.0076440.001 Figure 2A076440-12.0076440.001.dwg [2] July 26, 2017 - 11:47am mgpall@verizon.net

LEGEND
- - - - - BCP SITE NUMBER C224194

BLOCK 1747
TAX LOT 4

BLOCK 1747
TAX LOT 3

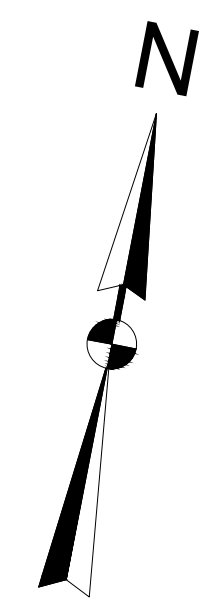
BLOCK 1747
TAX LOT 2

BLOCK 1747
TAX LOT 1

BLOCK 1747
TAX LOT 55

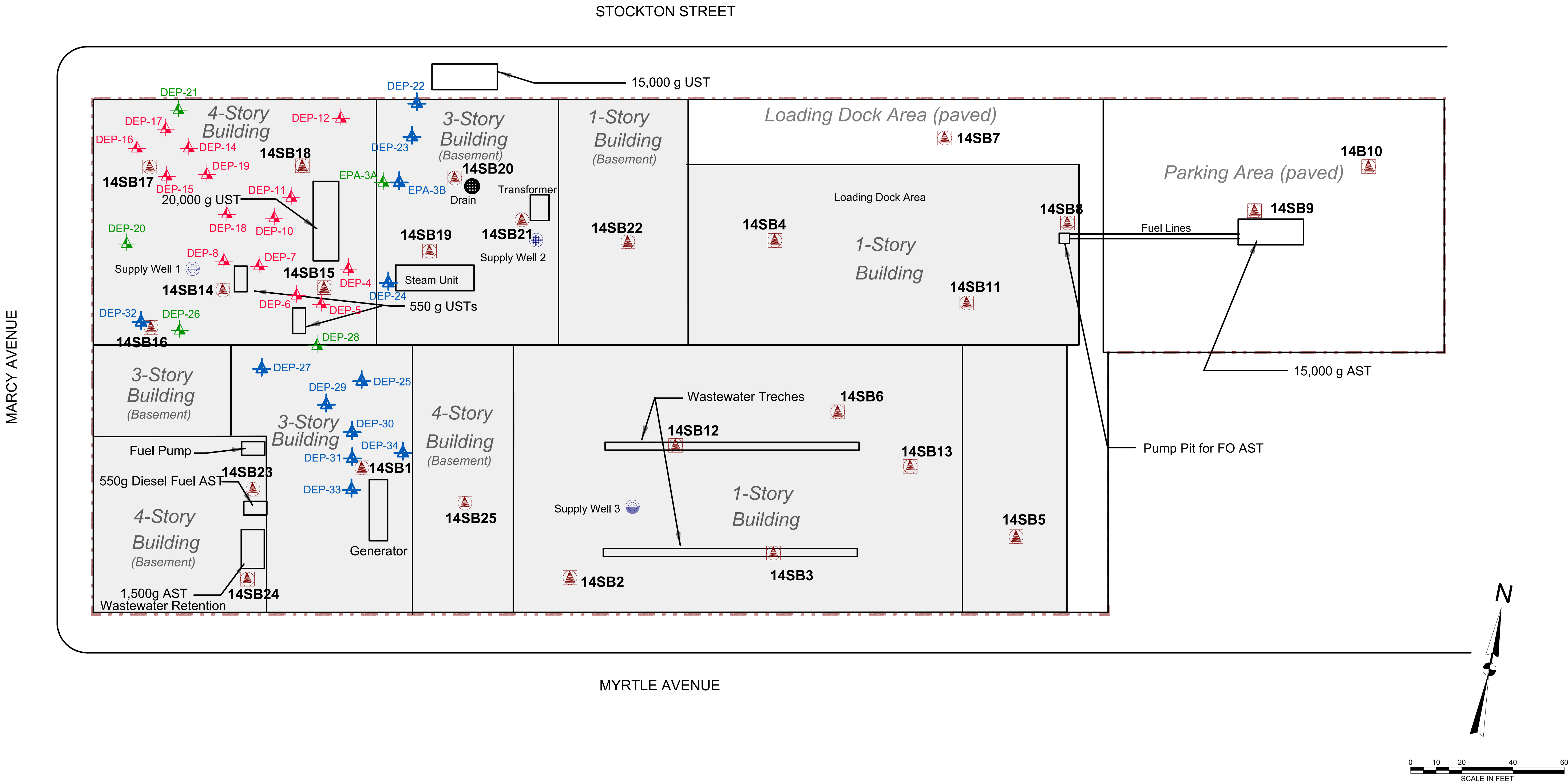
BLOCK 1747
TAX LOT 54

BLOCK 1747
TAX LOT 57



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FORMER CASCADE LAUNDRY 835 MYRTLE AVENUE BROOKLYN, NEW YORK			
SITE LAYOUT MAP			
PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: CASCADE 553 LLC	
PROJ MGR: JB	REVIEWED BY: DW	CHECKED BY: ZS	FIGURE
DESIGNED BY: ZS	DRAWN BY: MT	SCALE: 1" = 20'	2
DATE: JULY 2017	PROJECT NO. 12.0076440.00	REVISION NO.	
			SHEET NO.

©2018 - GZA GeoEnvironmental, Inc. GZA-11764400-112076440-001\Figures\040176440-00007.dwg [A] August 01, 2018 - 1:59pm mgj/gat/tonnes



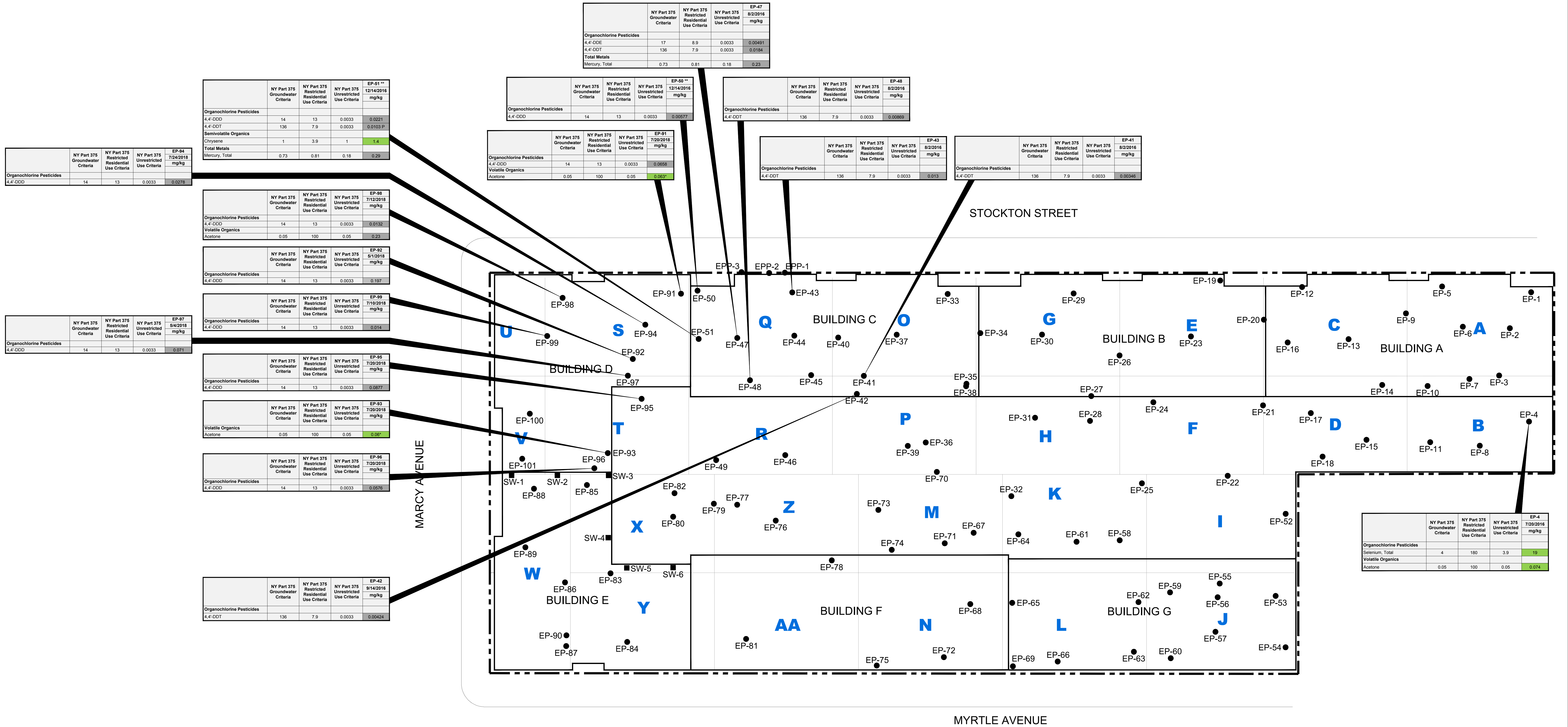
LEGEND

- SITE BOUNDARY
- DEP-5 VISUAL EVIDENCE OF PETROLEUM CONTAMINATION OBSERVED BY GZA
- DEP-28 SAMPLE COLLECTED FOR LAB ANALYSIS BY GZA
- DEP-24 SOIL SAMPLES MEET THE TRACK 1 UNRESTRICTED CLEANUP CRITERIA BY GZA
- SOIL BORING LOCATION COLLECTED BY EBC

NOTES:

1) THE BASE MAP WAS DEVELOPED FROM A PLAN PROVIDED BY CASCADE 553 LLC, ENTITLED "SOIL RESULTS FEBRUARY-MARCH 2015," ORIGINAL SCALE 1" = 50'.

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FORMER CASCADE LAUNDRY 835 MYRTLE AVENUE BROOKLYN, NEW YORK			
SOIL REMEDIAL INVESTIGATION LOCATIONS			
PREPARED BY:  GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: CASCADE 553 LLC	
PROJ MGR: JB	REVIEWED BY: DW	CHECKED BY: ZS	FIGURE
DESIGNED BY: ZS	DRAWN BY: MT	SCALE: 1" = 20'	4A
DATE: JULY 2018	PROJECT NO. 12.0076440.00	REVISION NO.	
		SHEET NO.	



- LEGEND**
- ENDPOINT SAMPLE LOCATION
 - SIDEWALL SAMPLE LOCATION
 - BCP SITE NUMBER C224194
 - BUILDING FOOTPRINT
 - GRID LINE
 - VALUE EXCEEDS NYS UNRESTRICTED USE SOIL CLEANUP OBJECTIVES (SCOs)
 - VALUE EXCEEDS THE LESSER OF THE RESTRICTED RESIDENTIAL SCOs OR THE PROTECTION OF GROUNDWATER SCOs
 - ACETONE IS A COMMON LAB CONTAMINANT
 - ** EP-50 AND EP-51 WERE COLLECTED AT THE DEPTH OF 30 FEET BELOW GROUND SURFACE
 - THE RPD BETWEEN THE RESULTS FOR THE TWO P COLUMNS EXCEEDS THE METHOD-SPECIFIED CRITERIA.

NOTES:
1. UNITS ARE IN MILLIGRAMS PER KILOGRAM (MG/KG).

FORMER CASCADE LAUNDRY
835 MYRTLE AVENUE
BROOKLYN, NEW YORK

REMAINING SOIL SAMPLE EXCEEDANCES

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NO.	ISSUE/DESCRIPTION	BY	DATE

PREPARED BY: **GZA GeoEnvironmental, Inc.**
Engineers and Scientists
www.gza.com

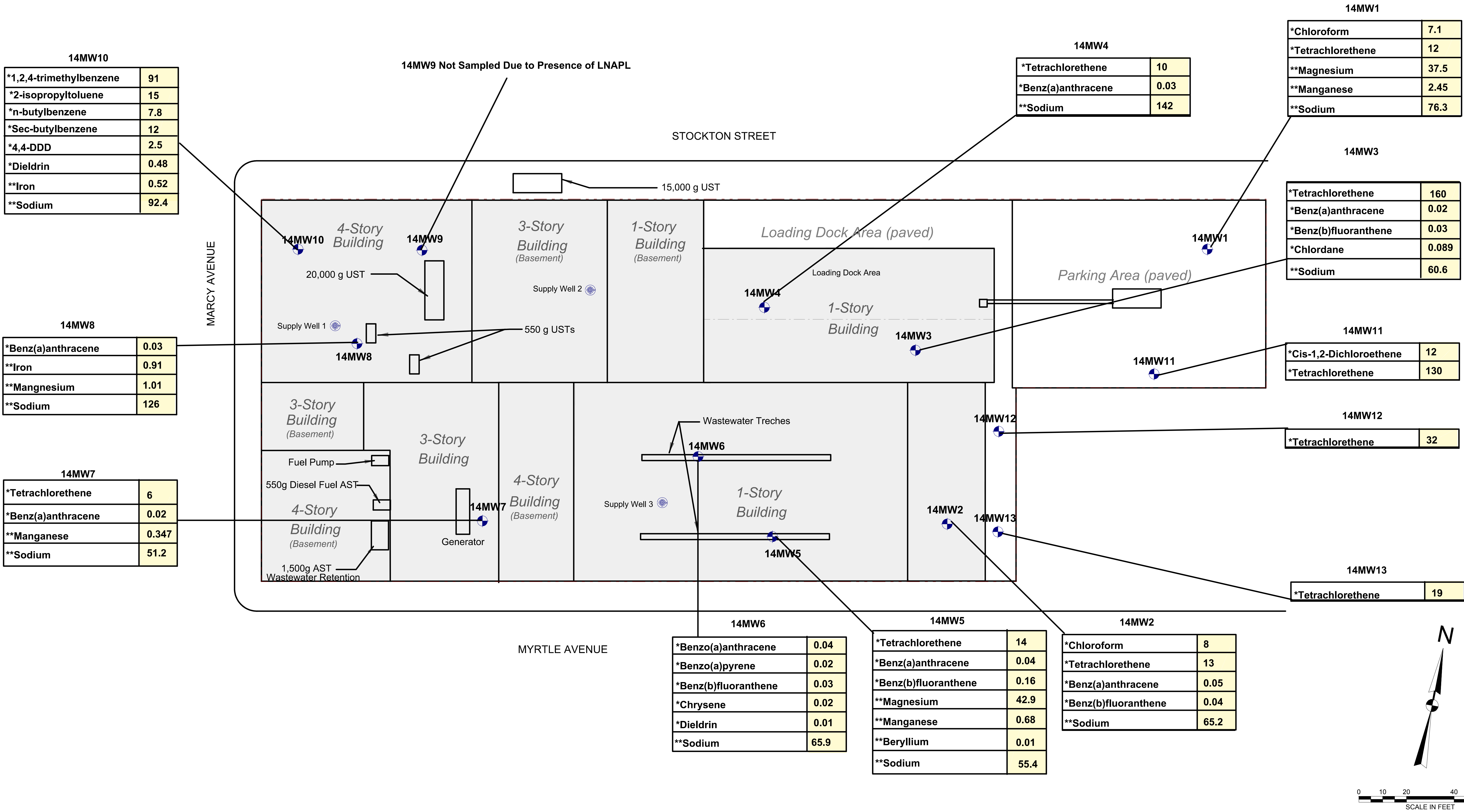
PREPARED FOR: **CASCADE 553 LLC**

PROJ MGR: ZS
DESIGNED BY: LN
DATE: JULY 2018

REVIEWED BY: DW
DRAWN BY: MT
PROJECT NO: 12.0076440.00

CHECKED BY: ZS
SCALE: 1" = 20'
REVISION NO.

FIGURE 4B
SHEET NO.



LEGEND:



*Results for VOCs, SVOCs, Pest/PCBs Presented in ug/L

**Results for metals Presented in mg/L

Metals Results are for Filtered Samples Only

NOTES:

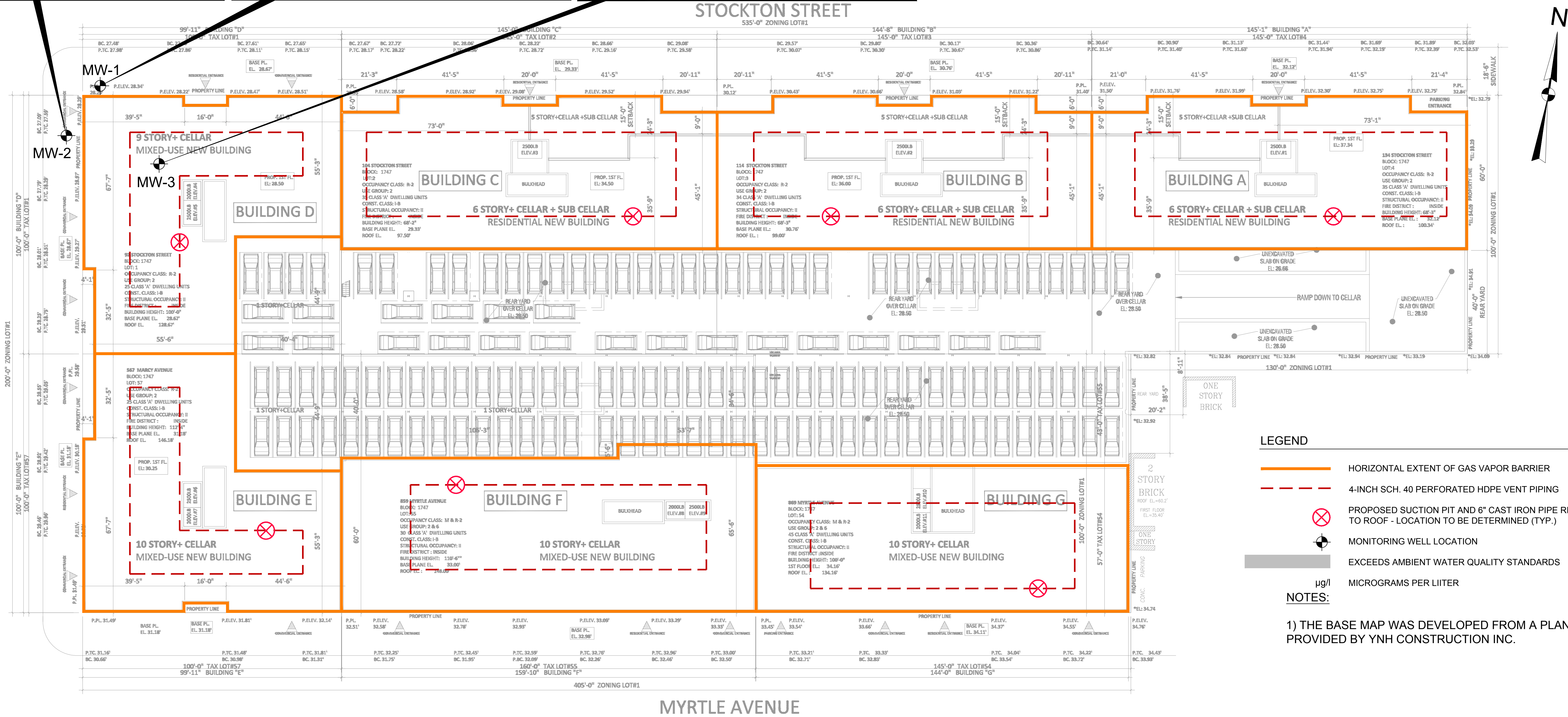
1) THE BASE MAP WAS DEVELOPED FROM A PLAN PROVIDED BY CASCADE 553 LLC, ENTITLED "GROUND WATER RESULTS ABOVE STANDARDS," ORIGINAL SCALE 1" = 40'.

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FORMER CASCADE LAUNDRY 835 MYRTLE AVENUE BROOKLYN, NEW YORK			
GROUNDWATER SAMPLE EXCEEDANCES			
PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: CASCADE 553 LLC	
PROJ MGR: JB	REVIEWED BY: DW	CHECKED BY: ZS	FIGURE 5 SHEET NO.
DESIGNED BY: ZS	DRAWN BY: MT	SCALE: 1" = 20'	
DATE: JULY 2017	PROJECT NO: 12.0076440.00	REVISION NO.	

Location	Ambient Water Quality Standards	MW-2
Sampling Date		8/22/2018
Lab Sample ID		L1833170-02
Sample Depth (ft.)		39 ft bgs
		µg/l
Tetrachloroethene	5	7.9
1,2,4,5-Tetramethylbenzene	5	7.1

Location	Ambient Water Quality Standards	MW-1
Sampling Date		8/22/2018
Lab Sample ID		L1833170-01
Sample Depth (ft.)		39 ft bgs
		µg/l
Tetrachloroethene	5	11
cis-1,2-Dichloroethene	5	6.5
Naphthalene	10	13
1,2,4-Trimethylbenzene	5	15
1,2,4,5-Tetramethylbenzene	5	11

Location	Ambient Water Quality Standards	MW-3
Sampling Date		8/22/2018
Lab Sample ID		L1833170-03
Sample Depth (ft.)		39 ft bgs
		µg/l
Tetrachloroethene	5	26
Trichloroethene	5	5.7
cis-1,2-Dichloroethene	5	22



SUMMARY OF WORK:

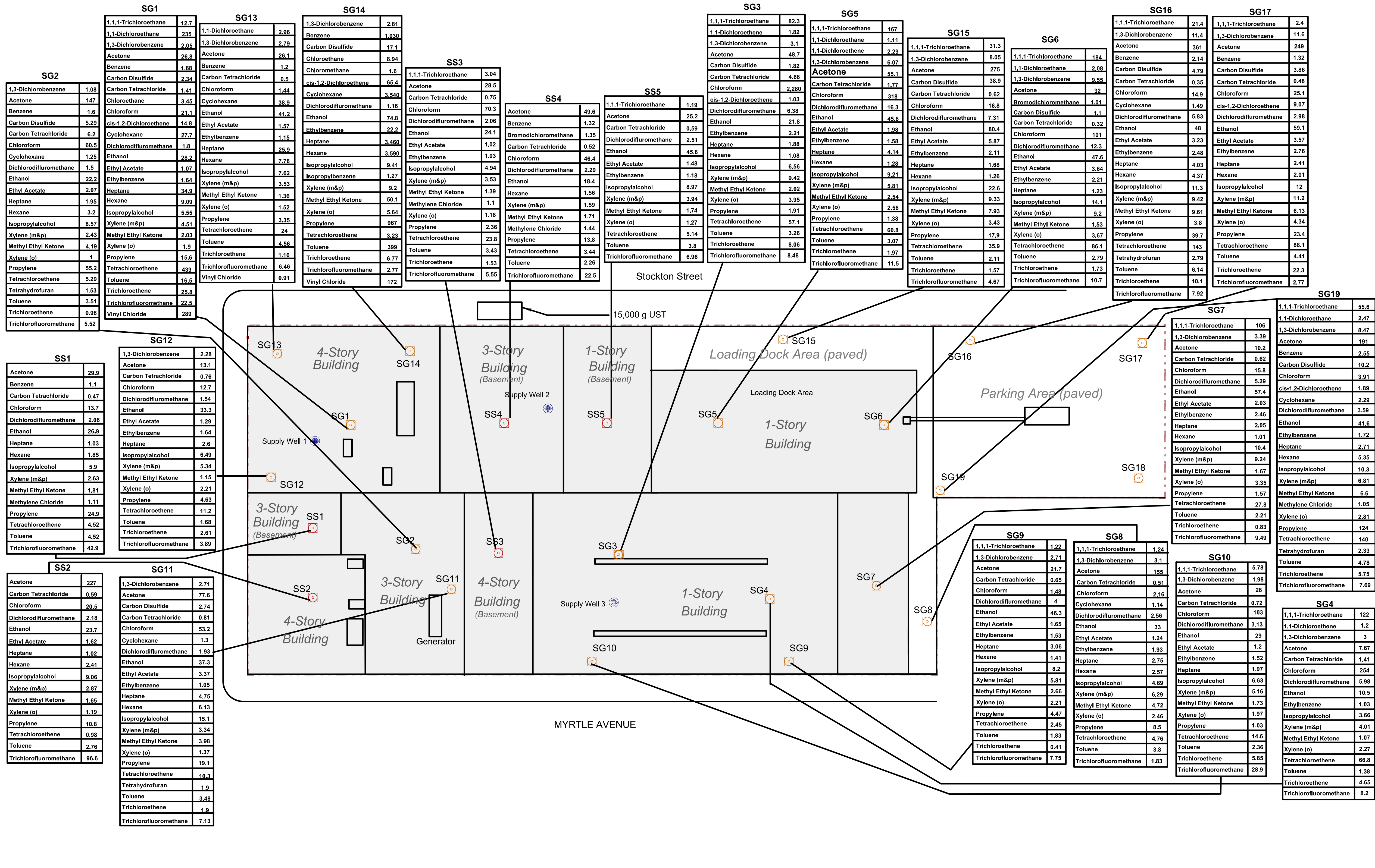
- GENERAL: THIS PROJECT SCOPE OF WORK IS LIMITED TO THE INSTALLATION OF A SUB-SLAB DEPRESSURIZATION AND LINER SYSTEM (SSDS) INCLUDING DUCTWORK AND LIMITED GENERAL CONSTRUCTION WORK IN ASSOCIATION WITH THE SSDS.
 - CREATION OF STRUCTURAL OPENING THROUGH THE BUILDING FOR VERTICAL RISERS AND ELECTRICAL CONDUITS.
 - LIMITED ROOFING MODIFICATIONS ON FLAT ROOF.
 - SUB-SLAB COMPONENTS, DUCTS AND PIPING TO CREATE THE SSDS.
 - ELECTRICAL SERVICE FOR THE SSDS RELATED EQUIPMENT.
- GENERAL NOTES:**
- THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS OF THE SITE AND/OR BUILDING.
 - ALL WORK IS TO CONFORM TO ALL APPLICABLE REQUIREMENTS OF LOCAL GOVERNING CODES, SUCH AS: NYS DEPT. OF LABOR INDUSTRIAL LABOR CODE RULE 21; HEALTH CODE; FIRE DEPARTMENT REGULATIONS; NBFU AND UTILITY CODES; OSHA CODES; AND THE CITY OF NEW YORK AND NEW YORK STATE BUILDING CODES.
 - DETAILS NOT SHOWN OR SPECIFIED, BUT NECESSARY FOR PROPER AND ACCEPTABLE CONSTRUCTION, INSTALLATION OR OPERATION OF ANY PART OF THE WORK SHALL BE INCLUDED IN THE WORK BY THE CONTRACTOR, AS IF HEREIN SPECIFIED OR INDICATED.
 - CONTRACTOR SHALL KEEP WORK SITE FREE FROM DEBRIS AND ACCUMULATED REFUSE, AND SHALL HAVE SOLE RESPONSIBILITY FOR PROTECTING ALL DANGEROUS AREAS FROM ENTRY BY UNAUTHORIZED PARTIES. SITE WILL BE LEFT BROOM CLEAN AT THE END OF EACH WORKING DAY.
 - WORK SHALL BE EXECUTED IN FULL COMPLIANCE WITH THE APPLICABLE PROVISIONS OF ALL LAWS, BY-LAWS, STATUTES, ORDINANCES, CODES, RULES, REGULATIONS AND LAWFUL ORDERS OF PUBLIC AUTHORITIES BEARING ON THE PERFORMANCE AND EXECUTION OF THE WORK. THE CONTRACTOR SHALL PROMPTLY NOTIFY THE OWNER OF ANY PORTIONS OF THE WORK, IN THE CONTRACT DOCUMENTS THAT ARE AT VARIANCE WITH THE ABOVE.
 - UNLESS OTHERWISE PROVIDED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL SECURE AND PAY FOR THE REQUIRED CONSTRUCTION PERMIT(S), FEES, LICENSES AND INSPECTIONS NECESSARY FOR THE PROPER EXECUTION OF THE WORK. COORDINATION OF ALL WORK UNDER THIS CONTRACT SHALL BE MAINTAINED TO ENSURE THE QUALITY AND TIMELY COMPLETION OF THE WORK/PROJECT.

SAFETY NOTES:

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- AS A SAFEGUARD, THE SSDS IS BEING INSTALLED TO MITIGATE THE POTENTIAL FOR VAPOR INTRUSION FROM VOLATILE ORGANIC COMPOUNDS IN SOIL VAPOR ENTERING THE BUILDING. DURING WORK ACTIVITIES THE CONTRACTOR MAY ENCOUNTER SOIL AND/OR SOIL VAPOR THAT IS IMPACTED BY VOLATILE ORGANIC COMPOUNDS.



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133 STOCKTON STREET BROOKLYN, NEW YORK				
POST-REMEDIATION GROUNDWATER SAMPLE EXCEEDANCES				
PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com	PREPARED FOR: CASCADE 553 LLC			
PROJ MGR: JB	DESIGNED BY: ZS	REVIEWED BY: DW	CHECKED BY: ZS	FIGURE
DATE: SEPTEMBER 2018	DRAWN BY: MT	PROJECT NO. 12.0076440.00	SCALE: 1" = 20'	5B
ERNEST ROYAL HANNA NY P.E. No. 65440			REVISION NO.	SHEET NO.



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FORMER CASCADE LAUNDRY
835 MYRTLE AVENUE
BROOKLYN, NEW YORK

AREA OF SOIL VAPOR INTRUSION CONCERN

PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: CASCADE 553 LLC	
PROJ MGR: JB	REVIEWED BY: DW	CHECKED BY: ZS	FIGURE
DESIGNED BY: ZS	DRAWN BY: MT	SCALE: 1" = 30'	6A
DATE: JULY 2018	PROJECT NO. 12.0076440.00	REVISION NO.	

SUMMARY OF WORK:

- GENERAL: THIS PROJECT SCOPE OF WORK IS LIMITED TO THE INSTALLATION OF A SUB-SLAB DEPRESSURIZATION AND LINER SYSTEM (SSDS) INCLUDING DUCTWORK AND LIMITED GENERAL CONSTRUCTION WORK IN ASSOCIATION WITH THE SSDS.
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 - LIMITED ROOFING MODIFICATIONS ON FLAT ROOF.
 - SUB-SLAB COMPONENTS, DUCTS AND PIPING TO CREATE THE SSDS.
 - ELECTRICAL SERVICE FOR THE SSDS RELATED EQUIPMENT.
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 - WORK SHALL BE EXECUTED IN FULL COMPLIANCE WITH THE APPLICABLE PROVISIONS OF ALL LAWS, BY-LAWS, STATUTES, ORDINANCES, CODES, RULES, REGULATIONS AND LAWFUL ORDERS OF PUBLIC AUTHORITIES BEARING ON THE PERFORMANCE AND EXECUTION OF THE WORK. THE CONTRACTOR SHALL PROMPTLY NOTIFY THE OWNER OF ANY PORTIONS OF THE WORK, IN THE CONTRACT DOCUMENTS THAT ARE AT VARIANCE WITH THE ABOVE.
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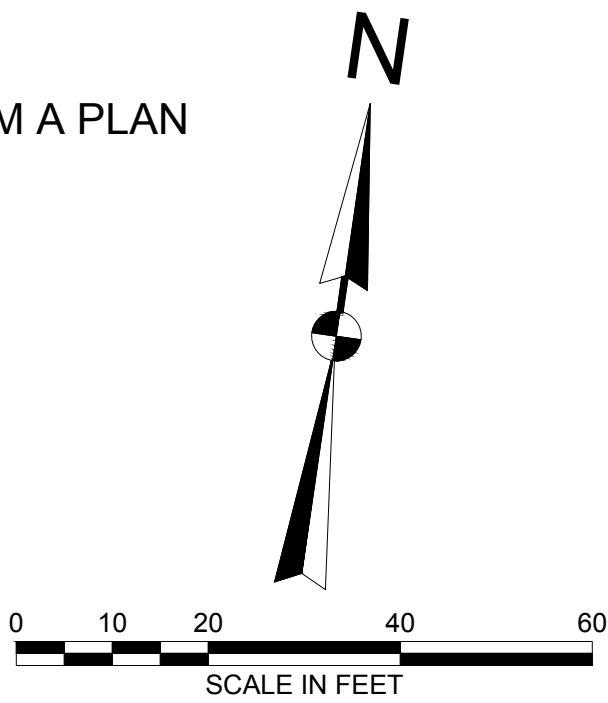
- THE CONTRACTOR SHALL PERFORM ALL CUTTING AND PATCHING REQUIRED TO COMPLETE THE WORK OR TO MAKE ITS PARTS FIT TOGETHER PROPERLY WITHOUT COMPROMISING THE QUALITY OF THE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING ALL WORK DURING CONSTRUCTION AGAINST DAMAGE, BREAKAGE, COLLAPSE, DISTORTION, AND OFF ALIGNMENTS ACCORDING TO CODES AND STANDARDS OF GOOD PRACTICE.
- THE CONTRACTOR SHALL PATCH AND REPAIR ALL FLOORS, WALL CEILINGS, ETC. DAMAGED OR EXPOSED DUE TO WORK OR REMOVALS AND FINISH TO MATCH ADJOINING SURFACES.
- THE CONTRACTOR SHALL COORDINATE OPENINGS IN THE FOUNDATION, INTERIOR AND EXTERIOR WALLS FOR THE INSTALLATION OF CONDUITS AND BOXES FOR ELECTRICAL EQUIPMENT.
- WHERE MANUFACTURERS' NAMES AND PRODUCT NUMBERS ARE INDICATED ON THE DRAWINGS, IT SHALL BE CONSTRUED TO MEAN THE ESTABLISHING OF QUALITY AND PERFORMANCE STANDARDS OF SUCH ITEMS.

SAFETY NOTES:

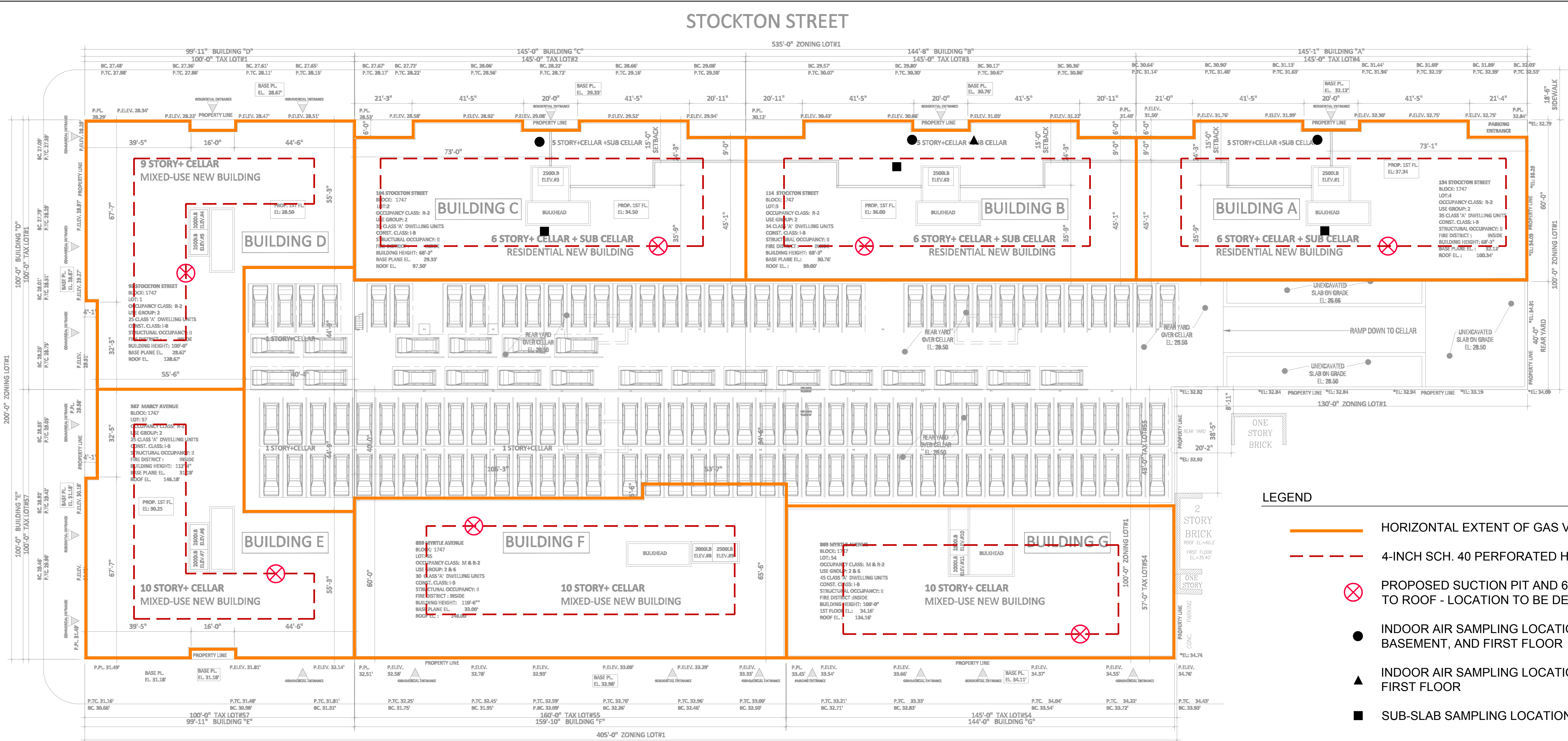
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NOTES:

1) THE BASE MAP WAS DEVELOPED FROM A PLAN PROVIDED BY YNH CONSTRUCTION INC.



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133 STOCKTON STREET BROOKLYN, NEW YORK			
SOIL VAPOR AND INDOOR AIR SAMPLING LOCATIONS			
PREPARED BY:  GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: CASCADE 553 LLC	
PROJ MGR: JB	REVIEWED BY: DW	CHECKED BY: ZS	FIGURE
DESIGNED BY: ZS	DRAWN BY: MT	SCALE: 1" = 20'	6B
DATE: JULY 2018	PROJECT NO. 12.0076440.00	REVISION NO.	
ERNEST ROYAL HANNA NY P.E. No. 65440			
SHEET NO.			



LEGEND

- HORIZONTAL EXTENT OF GAS VAPOR BARRIER
- 4-INCH SCH. 40 PERFORATED HDPE VENT PIPING
- PROPOSED SUCTION PIT AND 6" CAST IRON PIPE RISER TO ROOF - LOCATION TO BE DETERMINED (TYP.)
- INDOOR AIR SAMPLING LOCATIONS FROM CELLAR, BASEMENT, AND FIRST FLOOR
- INDOOR AIR SAMPLING LOCATION FROM BUILDING B FIRST FLOOR
- SUB-SLAB SAMPLING LOCATION FROM THE CELLAR

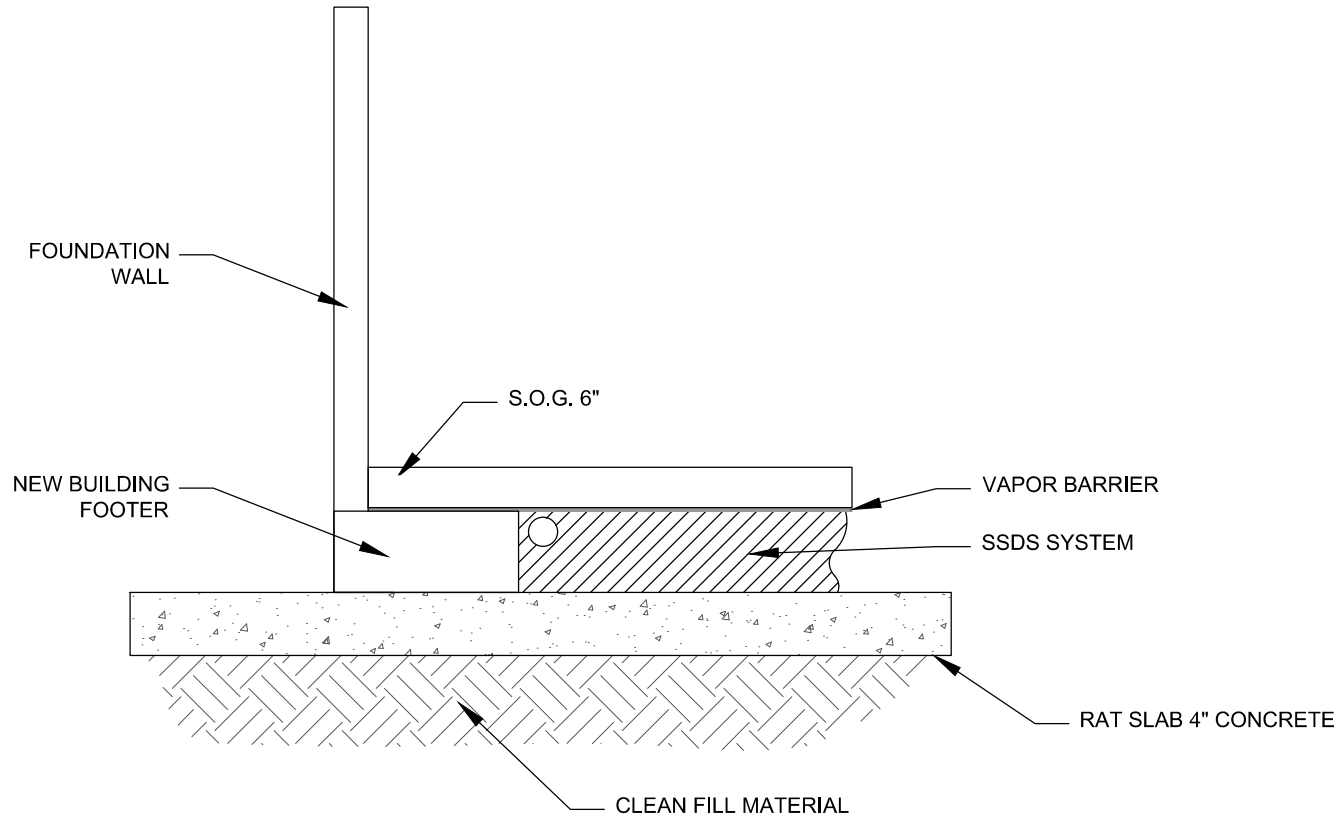


LEGEND

— ■ ■ ■ — BCP SITE NUMBER C224194

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FORMER CASCADE LAUNDRY 835 MYRTLE AVENUE BROOKLYN, NEW YORK			
INSTITUTIONAL AND ENGINEERING CONTROL BOUNDARIES			
PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: CASCADE 553 LLC	
PROJ MGR: JB	REVIEWED BY: DW	CHECKED BY: ZS	FIGURE 7 SHEET NO.
DESIGNED BY: ZS	DRAWN BY: MT	SCALE: 1" = 20'	
DATE: JULY 2017	PROJECT NO: 12.0076440.00	REVISION NO:	



				133 STOCKTON STREET BROOKLYN, NEW YORK		PREPARED BY:  GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: CASCADE 553 LLC		
NO.	ISSUE/DESCRIPTION		BY	DATE	CONCRETE CAPPING DETAILS		PROJ MGR: JB	REVIEWED BY: DW	CHECKED BY: ZS	Figure 8 SHEET NO.
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