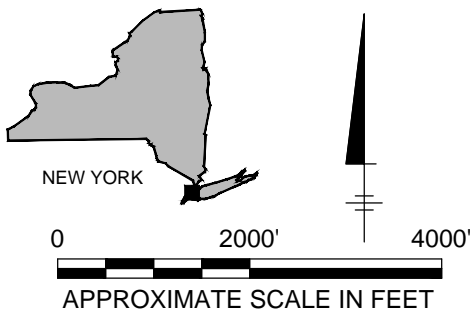



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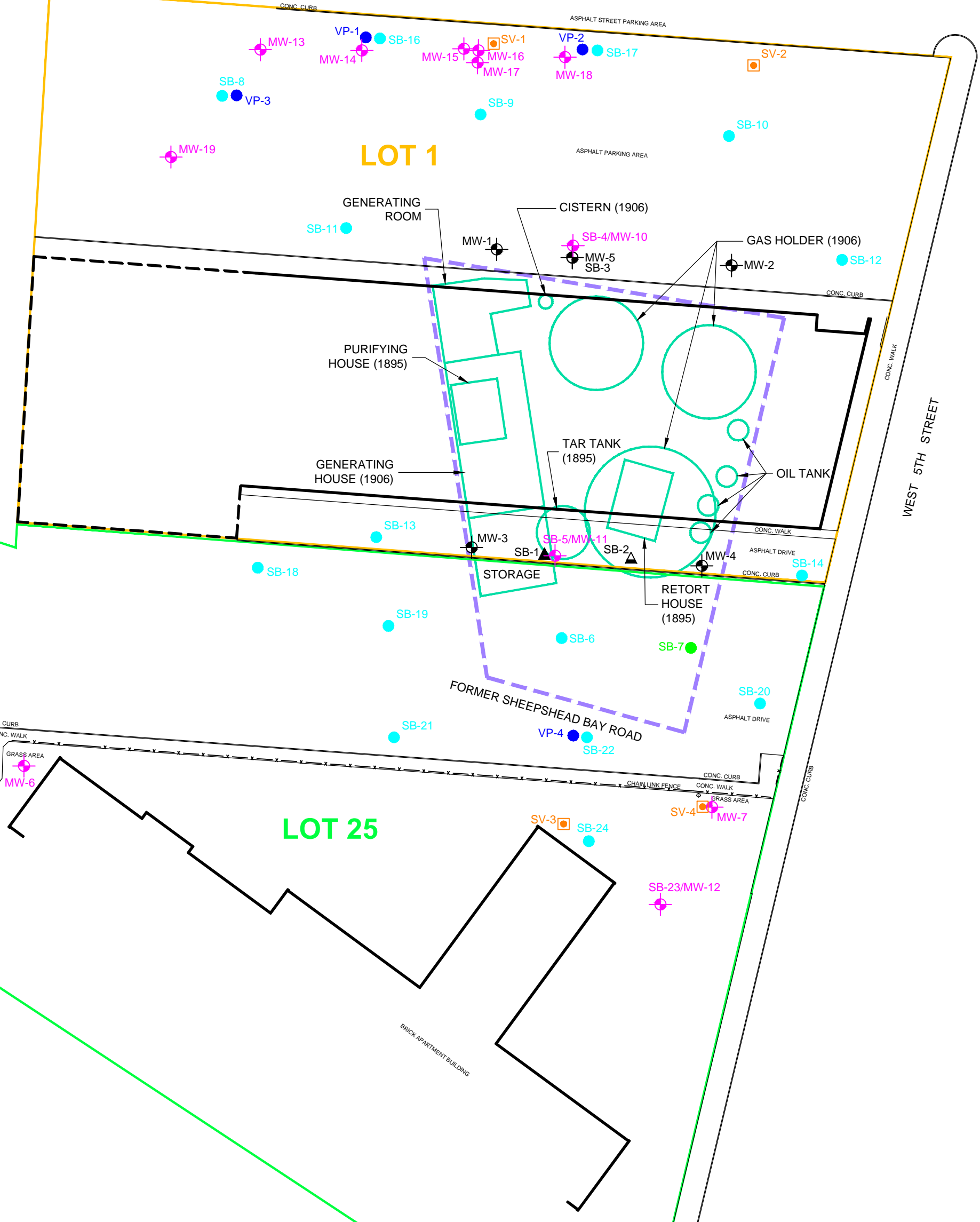
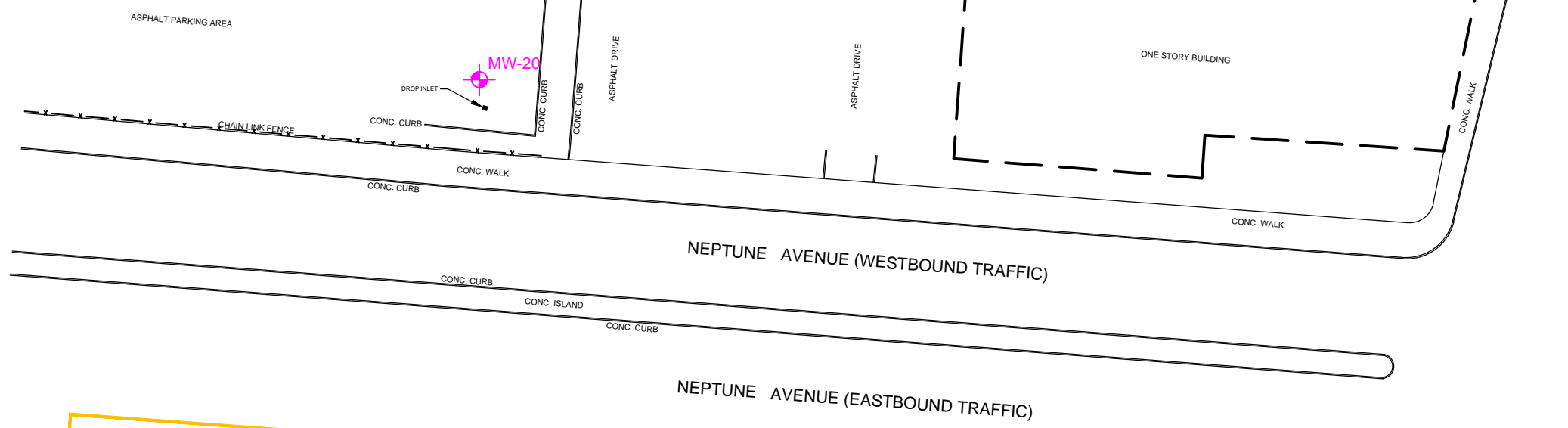
MAP SOURCE: USGS 7.5 MINUTE QUADRANGLE CONEY ISLAND, NEW YORK-NEW JERSEY, 1979



NATIONAL GRID FORMER DANGMAN PARK MGP SITE BROOKLYN, NEW YORK REMEDIAL INVESTIGATION REPORT	
SITE LOCATION	
	FIGURE 1

XREFS: IMAGES: PROJECTNAME: ---
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 Xref_02
 Xref_01

BLOCK 7250 LOT 1R

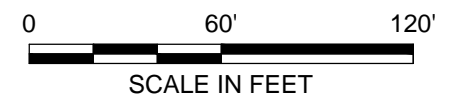


LEGEND:

- APPROXIMATE BOUNDARY OF BLOCK 7273, LOT 1
- APPROXIMATE BOUNDARY OF BLOCK 7273, LOT 25
- - - APPROXIMATE FORMER MGP SITE BOUNDARY
- FORMER MGP FEATURE (1895 AND/OR 1906 SANBORN FIRE INSURANCE MAPS)
- SB-1 ▲ SITE CHARACTERIZATION SOIL BORING LOCATION (ARCADIS, 2009)
- SB-2 ▲ SITE CHARACTERIZATION SOIL BORING/GEOPROBE GROUNDWATER SAMPLING LOCATION (ARCADIS, 2009)
- MW-1 ● SITE CHARACTERIZATION MONITORING WELL LOCATION (ARCADIS, 2009)
- SB-7 ● REMEDIAL INVESTIGATION NAPL DELINEATION SOIL BORING/VERTICAL AQUIFER PROFILE TEMPORARY MONITORING WELL LOCATION (ARCADIS, 2011)
- SB-8 ● REMEDIAL INVESTIGATION NAPL DELINEATION SOIL BORING LOCATION (ARCADIS, 2011 AND 2012)
- MW-6 ● REMEDIAL INVESTIGATION MONITORING WELL LOCATION (ARCADIS, 2011, 2012, AND 2013)
- VP-1 ● REMEDIAL INVESTIGATION VERTICAL AQUIFER PROFILE TEMPORARY MONITORING WELL LOCATION (ARCADIS, 2012)
- SV-1 □ REMEDIAL INVESTIGATION SOIL VAPOR POINT LOCATION (ARCADIS, 2012)

NOTES:

1. MONITORING WELL, SOIL BORING, AND SOIL VAPOR POINT LOCATIONS SURVEYED RELATIVE TO THE NEW YORK STATE PLANE COORDINATE SYSTEM, LONG ISLAND ZONE, NORTH AMERICAN DATUM OF 1983 (NAD 83).
2. LOCATIONS OF MGP FEATURES ARE APPROXIMATE.
3. BASE MAP BY DONALD G. DEKENIPP L.S., P.C., PROFESSIONAL LAND SURVEYOR.



NATIONAL GRID
 FORMER DANGMAN PARK MGP SITE
 BROOKLYN, NEW YORK
REMEDIAL INVESTIGATION REPORT

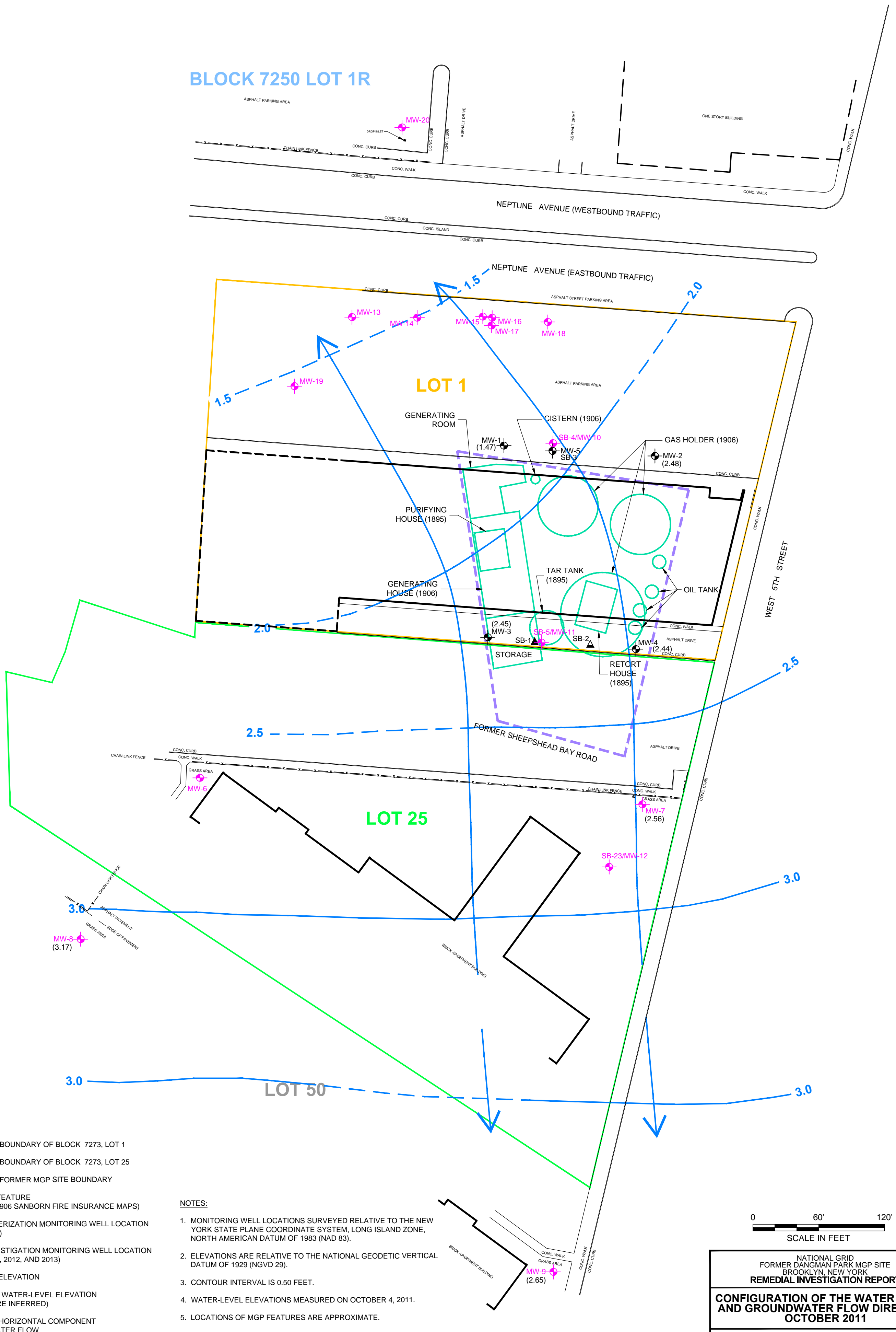
SOIL BORING, TEMPORARY MONITORING WELL, MONITORING WELL, AND SOIL VAPOR POINT LOCATIONS

ARCADIS | FIGURE 2

XREFS: IMAGES: PROJECTNAME: ---
 Xref_sp PointImage_2012-1105.jpg
 Xref_02
 Xref_01



BLOCK 7250 LOT 1R

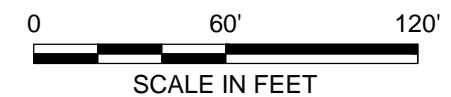


LEGEND:

- APPROXIMATE BOUNDARY OF BLOCK 7273, LOT 1
- APPROXIMATE BOUNDARY OF BLOCK 7273, LOT 25
- - - APPROXIMATE FORMER MGP SITE BOUNDARY
- FORMER MGP FEATURE (1895 AND/OR 1906 SANBORN FIRE INSURANCE MAPS)
- MW-1 SITE CHARACTERIZATION MONITORING WELL LOCATION (ARCADIS, 2009)
- MW-6 REMEDIAL INVESTIGATION MONITORING WELL LOCATION (ARCADIS, 2011, 2012, AND 2013)
- (2.45) WATER-LEVEL ELEVATION
- 1.5 — LINE OF EQUAL WATER-LEVEL ELEVATION (DASHED WHERE INFERRED)
- ← DIRECTION OF HORIZONTAL COMPONENT OF GROUNDWATER FLOW

NOTES:

1. MONITORING WELL LOCATIONS SURVEYED RELATIVE TO THE NEW YORK STATE PLANE COORDINATE SYSTEM, LONG ISLAND ZONE, NORTH AMERICAN DATUM OF 1983 (NAD 83).
2. ELEVATIONS ARE RELATIVE TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29).
3. CONTOUR INTERVAL IS 0.50 FEET.
4. WATER-LEVEL ELEVATIONS MEASURED ON OCTOBER 4, 2011.
5. LOCATIONS OF MGP FEATURES ARE APPROXIMATE.
6. MONITORING WELLS MW-10 THROUGH MW-20 WERE INSTALLED AFTER OCTOBER 4, 2011.



NATIONAL GRID
 FORMER DANGMAN PARK MGP SITE
 BROOKLYN, NEW YORK
REMEDIAL INVESTIGATION REPORT

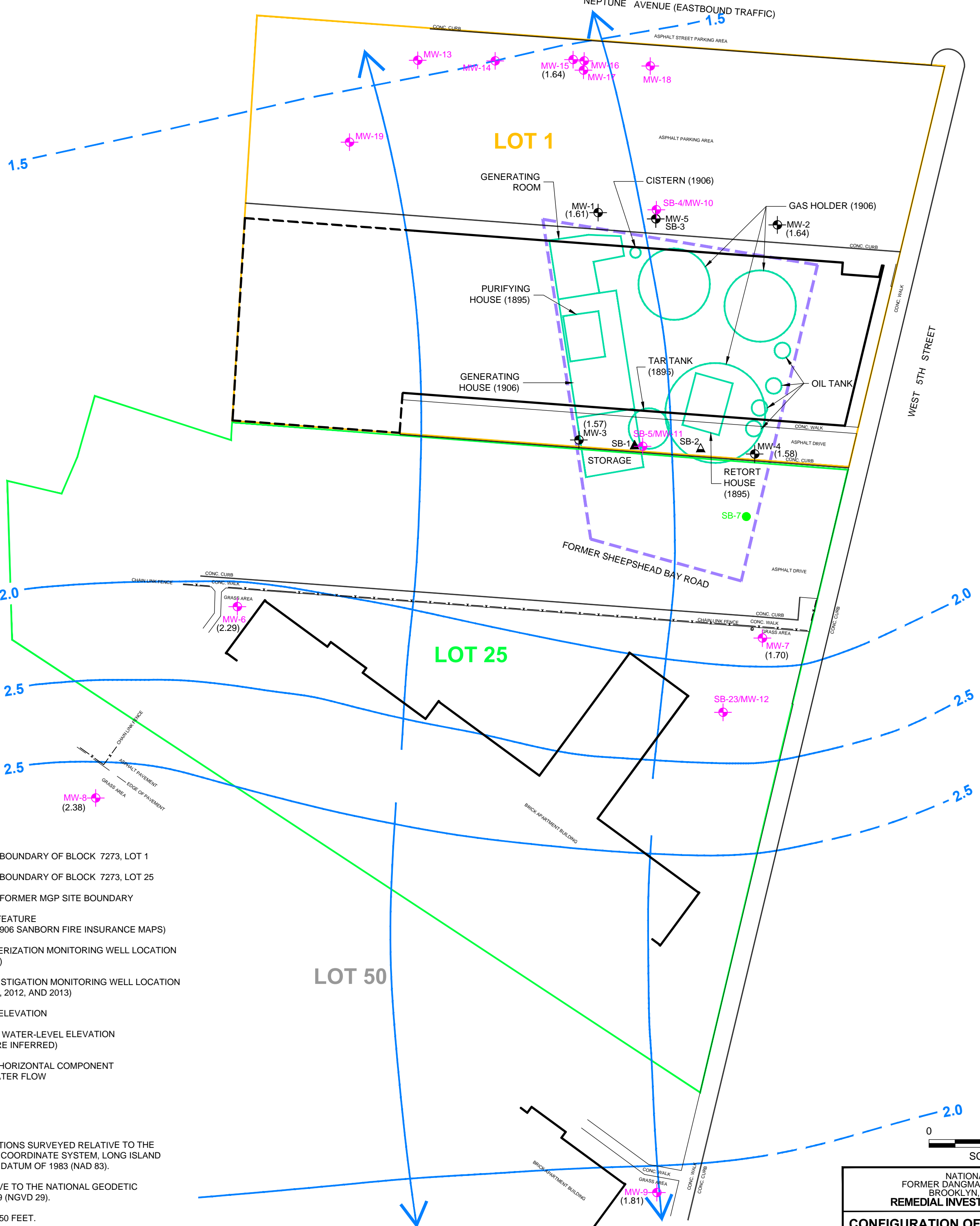
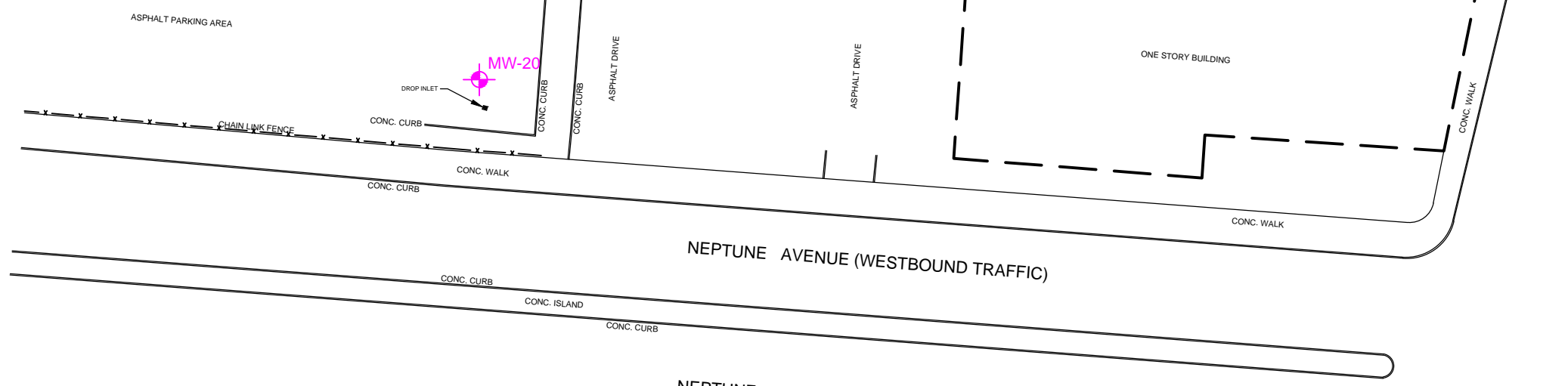
**CONFIGURATION OF THE WATER TABLE
 AND GROUNDWATER FLOW DIRECTION
 OCTOBER 2011**

ARCADIS

FIGURE
3

XREFS: IMAGES: PROJECTNAME: ---
 Xref_sp PointImage_2012-1105.jpg
 Xref_02
 Xref_01

BLOCK 7250 LOT 1R

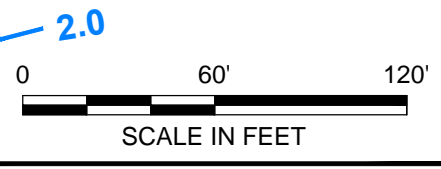


LEGEND:

- APPROXIMATE BOUNDARY OF BLOCK 7273, LOT 1
- APPROXIMATE BOUNDARY OF BLOCK 7273, LOT 25
- - - APPROXIMATE FORMER MGP SITE BOUNDARY
- FORMER MGP FEATURE (1895 AND/OR 1906 SANBORN FIRE INSURANCE MAPS)
- MW-1 SITE CHARACTERIZATION MONITORING WELL LOCATION (ARCADIS, 2009)
- MW-6 REMEDIAL INVESTIGATION MONITORING WELL LOCATION (ARCADIS, 2011, 2012, AND 2013)
- (1.64) WATER-LEVEL ELEVATION
- 1.5 - - - LINE OF EQUAL WATER-LEVEL ELEVATION (DASHED WHERE INFERRED)
- DIRECTION OF HORIZONTAL COMPONENT OF GROUNDWATER FLOW

NOTES:

1. MONITORING WELL LOCATIONS SURVEYED RELATIVE TO THE NEW YORK STATE PLANE COORDINATE SYSTEM, LONG ISLAND ZONE, NORTH AMERICAN DATUM OF 1983 (NAD 83).
2. ELEVATIONS ARE RELATIVE TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29).
3. CONTOUR INTERVAL IS 0.50 FEET.
4. WATER-LEVEL ELEVATIONS MEASURED ON MARCH 20, 2012.
5. LOCATIONS OF MGP FEATURES ARE APPROXIMATE.
6. MONITORING WELL MW-20 WAS NOT INSTALLED UNTIL NOVEMBER 21, 2013.



NATIONAL GRID
 FORMER DANGMAN PARK MGP SITE
 BROOKLYN, NEW YORK
REMEDIAL INVESTIGATION REPORT

CONFIGURATION OF THE WATER TABLE AND GROUNDWATER FLOW DIRECTION MARCH 2012

KREFS: Xref_02 Image_2012-1105.jpg
Xref_01
Xref_sp Points

MW-14		
Sample ID	MW-14 (82-84')	MW-14 (108-110')
Sample Date	2/13/2012	2/14/2012
Sample Depth (ft)	82 - 84	108 - 110
Compound		
Acetone	220	120 J

MW-18		
Sample ID	MW-18 (82-84')	MW-18 (97-99')
Sample Date	2/15/2012	2/15/2012
Sample Depth (ft)	82 - 84	97 - 99
Compound		
Acetone	63	64

MW-13		
Sample ID	MW-13 (77-79')	MW-13 (90-92')
Sample Date	2/23/2012	2/24/2012
Sample Depth (ft)	77 - 79	90 - 92
Compound		
Acetone	52	250

SB-8	
Sample ID	SB-8 (2-3')
Sample Date	12/8/2011
Sample Depth (ft)	2 - 3
Compound	
Acetone	83

MW-19		
Sample ID	MW-19 (2-3')	MW-19 (5-7')
Sample Date	2/20/2012	2/20/2012
Sample Depth (ft)	2 - 3	5 - 7
Compound		
Acetone	110 J	83 J

MW-17		
Sample ID	MW-17 (7-9')	MW-17 (113-115')
Sample Date	2/15/2012	2/16/2012
Sample Depth (ft)	7 - 9	113 - 115
Compound		
Acetone	110 J	160

SB-9			
Sample ID	SB-9 (2-3')	SB-9 (6-8')	SB-9 (72-73.5')
Sample Date	12/7/2011	12/7/2011	12/8/2011
Sample Depth (ft)	2 - 3	6 - 8	72 - 73.5
Compound			
Acetone	79	64 J	--
Benzene	--	--	19,000
Ethylbenzene	--	--	320,000
Toluene	--	--	550,000 DJ
Xylenes, Total	--	--	740,000
n-Butylbenzene	--	--	22,000
n-Propylbenzene	--	--	47,000
1,2,4-Trimethylbenzene	--	--	390,000
1,3,5-Trimethylbenzene	--	--	170,000

SB-11		
Sample ID	SB-11 (2-3')	SB-11 (6-8')
Sample Date	12/6/2011	12/6/2011
Sample Depth (ft)	2 - 3	6 - 8
Compound		
Acetone	53	81

SB-10	
Sample ID	SB-10 (6-8')
Sample Date	12/13/2011
Sample Depth (ft)	6 - 8
Compound	
Acetone	55

SB-12	
Sample ID	SB-12 (2-3')
Sample Date	12/13/2011
Sample Depth (ft)	2 - 3
Compound	
Acetone	71

SB-7	
Sample ID	SB-7 (2-3')
Sample Date	10/18/2011
Sample Depth (ft)	2 - 3
Compound	
Acetone	89

SB-22	
Sample ID	SB-22 (33-34')
Sample Date	1/19/2012
Sample Depth (ft)	33 - 34
Compound	
Ethylbenzene	230,000
Toluene	1,200 J
Xylenes, Total	130,000
n-Propylbenzene	26,000
1,2,4-Trimethylbenzene	100,000
1,3,5-Trimethylbenzene	65,000

SB-6			
Sample ID	SB-6 (2-3')	SB-6 (43-45')	SB-6 (58-60')
Sample Date	10/17/2011	10/17/2011	10/17/2011
Sample Depth (ft)	2 - 3	43 - 45	58 - 60
Compound			
Acetone	140	--	99 J
Ethylbenzene	--	6,100	--
Xylenes, Total	--	2,800	--

BLOCK 7250 LOT 1R

LOT 1

LOT 25

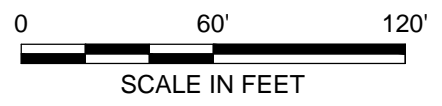
LOT 50

LEGEND:

- APPROXIMATE BOUNDARY OF BLOCK 7273, LOT 1
- APPROXIMATE BOUNDARY OF BLOCK 7273, LOT 25
- - - APPROXIMATE FORMER MGP SITE BOUNDARY
- FORMER MGP FEATURE (1895 AND/OR 1906 SANBORN FIRE INSURANCE MAPS)
- SB-1 ▲ SITE CHARACTERIZATION SOIL BORING LOCATION (ARCADIS, 2009)
- SB-2 ▲ SITE CHARACTERIZATION SOIL BORING/GEOPROBE GROUNDWATER SAMPLING LOCATION (ARCADIS, 2009)
- MW-1 ● SITE CHARACTERIZATION MONITORING WELL LOCATION (ARCADIS, 2009)
- SB-7 ● REMEDIAL INVESTIGATION NAPL DELINEATION SOIL BORING/VERTICAL AQUIFER PROFILE TEMPORARY MONITORING WELL LOCATION (ARCADIS, 2011)
- SB-8 ● REMEDIAL INVESTIGATION NAPL DELINEATION SOIL BORING LOCATION (ARCADIS, 2011 AND 2012)
- MW-6 ● REMEDIAL INVESTIGATION MONITORING WELL LOCATION (ARCADIS, 2011, 2012, AND 2013)
- VP-1 ● REMEDIAL INVESTIGATION VERTICAL AQUIFER PROFILE TEMPORARY MONITORING WELL LOCATION (ARCADIS, 2012)
- SV-1 □ REMEDIAL INVESTIGATION SOIL VAPOR POINT LOCATION (ARCADIS, 2012)
- BOLD** COMPOUND CONCENTRATION EXCEEDS PROTECTION OF GROUNDWATER SCO
- BOLD** COMPOUND CONCENTRATION EXCEEDS PROTECTION OF GROUNDWATER SCO AND PROTECTION OF PUBLIC HEALTH COMMERCIAL USE SCO
- NO EXCEEDANCE
- SCO SOIL CLEANUP OBJECTIVE
- J ESTIMATED VALUE
- D COMPOUND QUANTITATED AT A SECONDARY DILUTION

NOTES:

1. MONITORING WELL, SOIL BORING, AND SOIL VAPOR POINT LOCATIONS SURVEYED RELATIVE TO THE NEW YORK STATE PLANE COORDINATE SYSTEM, LONG ISLAND ZONE, NORTH AMERICAN DATUM OF 1983 (NAD 83).
2. LOCATIONS OF MGP FEATURES ARE APPROXIMATE.
3. BASE MAP BY DONALD G. DEKENIPP L.S., P.C., PROFESSIONAL LAND SURVEYOR.
4. CONCENTRATIONS ARE PROVIDED IN MICROGRAMS PER KILOGRAM (µg/kg).



NATIONAL GRID
FORMER DANGMAN PARK MGP SITE
BROOKLYN, NEW YORK
REMEDIAL INVESTIGATION REPORT

VOLATILE ORGANIC COMPOUNDS IN SOIL EXCEEDING RESTRICTED USE SCOs

ARCADIS | FIGURE 5

XREFS: IMAGES: PROJECTNAME: ---
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 Xref_01
 Xref_sp Points

BLOCK 7250 LOT 1R

MW-17		
Sample ID	MW-17 (7-9')	MW-17 (113-115')
Sample Date	02/15/2012	02/16/2012
Sample Depth (ft)	7 - 9	113 - 115
Compound		
Acetone	110 J	160

MW-14		
Sample ID	MW-14 (82-84')	MW-14 (108-110')
Sample Date	02/13/2012	02/14/2012
Sample Depth (ft)	82 - 84	108 - 110
Compound		
Acetone	220	120 J

MW-18		
Sample ID	MW-18 (82-84')	MW-18 (97-99')
Sample Date	02/15/2012	02/15/2012
Sample Depth (ft)	82 - 84	97 - 99
Compound		
Acetone	63	64

MW-13		
Sample ID	MW-13 (77-79')	MW-13 (90-92')
Sample Date	02/23/2012	02/24/2012
Sample Depth (ft)	77 - 79	90 - 92
Compound		
Acetone	52	250

SB-8	
Sample ID	SB-8 (2-3')
Sample Date	12/08/2011
Sample Depth (ft)	2 - 3
Compound	
Acetone	83

SB-10	
Sample ID	SB-10 (6-8')
Sample Date	12/13/2011
Sample Depth (ft)	6 - 8
Compound	
Acetone	55

SB-9			
Sample ID	SB-9 (2-3')	SB-9 (6-8')	SB-9 (72-73.5')
Sample Date	12/07/2011	12/07/2011	12/08/2011
Sample Depth (ft)	2 - 3	6 - 8	72 - 73.5
Compound			
Acetone	79	64 J	--
Benzene	--	--	19,000
Ethylbenzene	--	--	320,000
Toluene	--	--	550,000 DJ
Xylenes, Total	--	--	740,000
n-Butylbenzene	--	--	22,000
n-Propylbenzene	--	--	47,000
1,2,4-Trimethylbenzene	--	--	390,000
1,3,5-Trimethylbenzene	--	--	170,000

SB-12	
Sample ID	SB-12 (2-3')
Sample Date	12/13/2011
Sample Depth (ft)	2 - 3
Compound	
Acetone	71

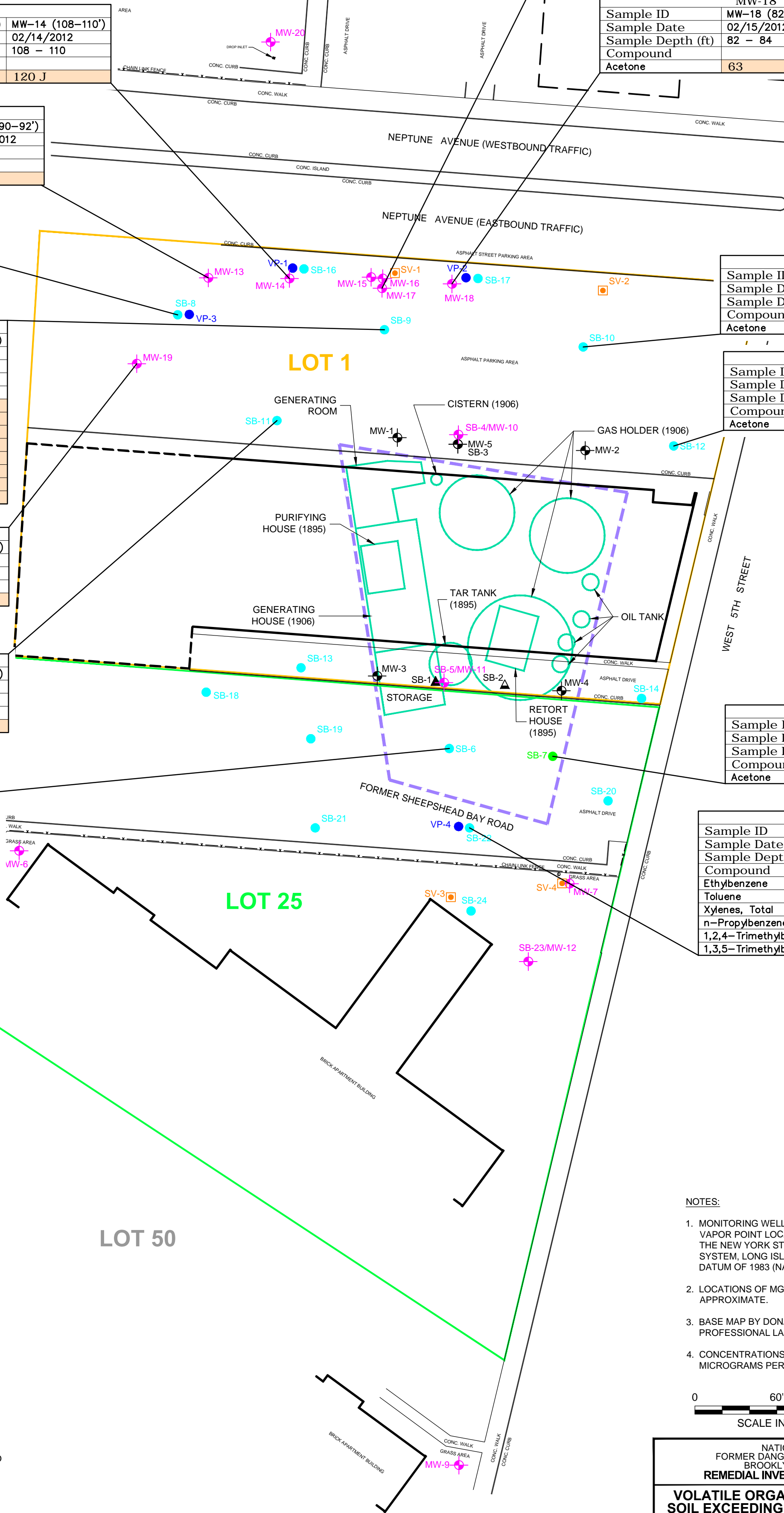
MW-19		
Sample ID	MW-19 (2-3')	MW-19 (5-7')
Sample Date	02/20/2012	02/20/2012
Sample Depth (ft)	2 - 3	5 - 7
Compound		
Acetone	110 J	83 J

SB-11		
Sample ID	SB-11 (2-3')	SB-11 (6-8')
Sample Date	12/06/2011	12/06/2011
Sample Depth (ft)	2 - 3	6 - 8
Compound		
Acetone	53	81

SB-7	
Sample ID	SB-7 (2-3')
Sample Date	10/18/2011
Sample Depth (ft)	2 - 3
Compound	
Acetone	89

SB-6			
Sample ID	SB-6 (2-3')	SB-6 (43-45')	SB-6 (58-60')
Sample Date	10/17/2011	10/17/2011	10/17/2011
Sample Depth (ft)	2 - 3	43 - 45	58 - 60
Compound			
Acetone	140	--	99 J
Ethylbenzene	--	6,100	
Xylenes, Total	--	2,800	

SB-22	
Sample ID	SB-22 (33-34')
Sample Date	01/19/2012
Sample Depth (ft)	33 - 34
Compound	
Ethylbenzene	230,000
Toluene	1,200 J
Xylenes, Total	130,000
n-Propylbenzene	26,000
1,2,4-Trimethylbenzene	100,000
1,3,5-Trimethylbenzene	65,000



LEGEND:

- APPROXIMATE BOUNDARY OF BLOCK 7273, LOT 1
- APPROXIMATE BOUNDARY OF BLOCK 7273, LOT 25
- APPROXIMATE FORMER MGP SITE BOUNDARY
- FORMER MGP FEATURE (1895 AND/OR 1906 SANBORN FIRE INSURANCE MAPS)
- SB-1 ▲ SITE CHARACTERIZATION SOIL BORING LOCATION (ARCADIS, 2009)
- SB-2 ▲ SITE CHARACTERIZATION SOIL BORING/GEOPROBE GROUNDWATER SAMPLING LOCATION (ARCADIS, 2009)
- MW-1 ● SITE CHARACTERIZATION MONITORING WELL LOCATION (ARCADIS, 2009)
- SB-7 ● REMEDIAL INVESTIGATION NAPL DELINEATION SOIL BORING/VERTICAL AQUIFER PROFILE TEMPORARY MONITORING WELL LOCATION (ARCADIS, 2011)
- SB-8 ● REMEDIAL INVESTIGATION NAPL DELINEATION SOIL BORING LOCATION (ARCADIS, 2011 AND 2012)
- MW-6 ● REMEDIAL INVESTIGATION MONITORING WELL LOCATION (ARCADIS, 2011, 2012, AND 2013)
- VP-1 ● REMEDIAL INVESTIGATION VERTICAL AQUIFER PROFILE TEMPORARY MONITORING WELL LOCATION (ARCADIS, 2012)
- SV-1 □ REMEDIAL INVESTIGATION SOIL VAPOR POINT LOCATION (ARCADIS, 2012)
- BOLD** COMPOUND CONCENTRATION EXCEEDS UNRESTRICTED USE SCO
- NO EXCEEDANCE
- SCO SOIL CLEANUP OBJECTIVE
- J ESTIMATED VALUE
- D COMPOUND QUANTITATED AT A SECONDARY DILUTION

NOTES:

1. MONITORING WELL, SOIL BORING, AND SOIL VAPOR POINT LOCATIONS SURVEYED RELATIVE TO THE NEW YORK STATE PLANE COORDINATE SYSTEM, LONG ISLAND ZONE, NORTH AMERICAN DATUM OF 1983 (NAD 83).
2. LOCATIONS OF MGP FEATURES ARE APPROXIMATE.
3. BASE MAP BY DONALD G. DEKENIPP L.S., P.C., PROFESSIONAL LAND SURVEYOR.
4. CONCENTRATIONS ARE PROVIDED IN MICROGRAMS PER KILOGRAM (µg/kg).



NATIONAL GRID
 FORMER DANGMAN PARK MGP SITE
 BROOKLYN, NEW YORK
REMEDIAL INVESTIGATION REPORT
VOLATILE ORGANIC COMPOUNDS IN SOIL EXCEEDING UNRESTRICTED USE SCOs

XREFS: IMAGE: PROJECTNAME: ---
 Xref_02 Image_2012-1105.jpg
 Xref_01
 Xref_sp Points

SB-8	
Sample ID	SB-8 (2-3')
Sample Date	12/8/2011
Sample Depth (ft)	2 - 3
Compound	
Benzo[a]anthracene	1,600
Chrysene	1,800
Benzo[b]fluoranthene	2,200
Benzo[a]pyrene	2,000

MW-19		
Sample ID	MW-19 (2-3')	MW-19 (5-7')
Sample Date	2/20/2012	2/20/2012
Sample Depth (ft)	2 - 3	5 - 7
Compound		
Benzo[a]anthracene	2,200	2,500
Chrysene	2,500	2,700
Benzo[b]fluoranthene	2,300	2,400
Benzo[a]pyrene	2,100	2,900

SB-9			
Sample ID	SB-9 (2-3')	SB-9 (6-8')	SB-9 (72-73.5')
Sample Date	12/7/2011	12/7/2011	12/8/2011
Sample Depth (ft)	2 - 3	6 - 8	72 - 73.5
Compound			
Naphthalene	--	--	71,000 J
Acenaphthylene	--	--	450,000 J
Phenanthrene	--	--	1,600,000 J
Fluoranthene	--	--	660,000 J
Pyrene	--	--	880,000 J
Benzo[a]anthracene	11,000	--	300,000 J
Chrysene	12,000	2,000	260,000 J
Benzo[b]fluoranthene	15,000	--	240,000 J
Benzo[k]fluoranthene	7,500	--	81,000 J
Benzo[a]pyrene	13,000	6,300	330,000 J
Indeno[1,2,3-cd]pyrene	10,000	6,300	200,000 J
Dibenz(a,h)anthracene	2,800	940	49,000 J

SB-11		
Sample ID	SB-11 (2-3')	SB-11 (6-8')
Sample Date	12/6/2011	12/6/2011
Sample Depth (ft)	2 - 3	6 - 8
Compound		
Benzo[a]anthracene	7,600	--
Chrysene	8,400	--
Benzo[b]fluoranthene	10,000	--
Benzo[k]fluoranthene	4,800	--
Benzo[a]pyrene	8,800	--
Indeno[1,2,3-cd]pyrene	6,300	8,200
Dibenz(a,h)anthracene	1,700	620

SB-13			
Sample ID	SB-13 (2-3')	Dup103111	SB-13 (6-8')
Sample Date	10/31/2011	10/31/2011	10/31/2011
Sample Depth (ft)	2 - 3	2 - 3	6 - 8
Compound			
Benzo[a]anthracene	5,500	5,500	--
Chrysene	6,600	5,900	--
Benzo[b]fluoranthene	6,600	6,600	--
Benzo[k]fluoranthene	2,600	2,600	--
Benzo[a]pyrene	6,300	6,200	1,800
Dibenz(a,h)anthracene	1,200	1,200	--

SB-19	
Sample ID	SB-19 (2-3')
Sample Date	12/15/2011
Sample Depth (ft)	2 - 3
Compound	
Benzo[a]anthracene	3,500
Chrysene	4,200
Benzo[b]fluoranthene	4,100
Benzo[a]pyrene	3,800
Dibenz(a,h)anthracene	640

SB-6		
Sample ID	SB-6 (2-3')	SB-6 (43-45')
Sample Date	10/17/2011	10/17/2011
Sample Depth (ft)	2 - 3	43 - 45
Compound		
Benzo[a]anthracene	61,000 J	6,200 J
Chrysene	75,000 J	5,900 J
Benzo[b]fluoranthene	46,000 J	4,000 J
Benzo[k]fluoranthene	20,000 J	--
Benzo[a]pyrene	31,000 J	5,600 J
Indeno[1,2,3-cd]pyrene	35,000 J	--
Dibenz(a,h)anthracene	9,600 J	--

MW-17	
Sample ID	MW-17 (7-9')
Sample Date	2/15/2012
Sample Depth (ft)	7 - 9
Compound	
Benzo[a]anthracene	9,800
Chrysene	9,600
Benzo[b]fluoranthene	5,800
Benzo[k]fluoranthene	2,300
Benzo[a]pyrene	7,800
Dibenz(a,h)anthracene	720

SB-17	
Sample ID	SB-17 (2-3')
Sample Date	12/9/2011
Sample Depth (ft)	2 - 3
Compound	
Benzo[a]anthracene	4,900
Chrysene	5,100
Benzo[b]fluoranthene	4,000
Benzo[k]fluoranthene	1,900
Benzo[a]pyrene	3,800
Dibenz(a,h)anthracene	750

SB-12	
Sample ID	SB-12 (2-3')
Sample Date	12/13/2011
Sample Depth (ft)	2 - 3
Compound	
Benzo[a]anthracene	1,900
Chrysene	2,600
Benzo[b]fluoranthene	1,800
Benzo[a]pyrene	1,800 J

SB-7	
Sample ID	SB-7 (6-8')
Sample Date	10/18/2011
Sample Depth (ft)	6 - 8
Compound	
Benzo[a]anthracene	1,500
Chrysene	2,200
Benzo[b]fluoranthene	1,900
Benzo[a]pyrene	3,400

SB-22	
Sample ID	SB-22 (33-34')
Sample Date	1/19/2012
Sample Depth (ft)	33 - 34
Compound	
Naphthalene	94,000 J
Acenaphthene	160,000 J
Benzo[a]anthracene	59,000 J
Chrysene	47,000 J
Benzo[b]fluoranthene	33,000 J
Benzo[k]fluoranthene	13,000 J
Benzo[a]pyrene	44,000 J
Indeno[1,2,3-cd]pyrene	21,000 J
Dibenz(a,h)anthracene	3,300 J

LOT 50

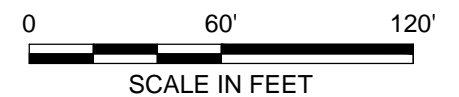
LOT 25

LOT 1

BLOCK 7250 LOT 1R

- LEGEND:**
- APPROXIMATE BOUNDARY OF BLOCK 7273, LOT 1
 - APPROXIMATE BOUNDARY OF BLOCK 7273, LOT 25
 - APPROXIMATE FORMER MGP SITE BOUNDARY
 - FORMER MGP FEATURE (1895 AND/OR 1906 SANBORN FIRE INSURANCE MAPS)
 - SB-1 ▲ SITE CHARACTERIZATION SOIL BORING LOCATION (ARCADIS, 2009)
 - SB-2 ▲ SITE CHARACTERIZATION SOIL BORING/GEOPROBE GROUNDWATER SAMPLING LOCATION (ARCADIS, 2009)
 - MW-1 ● SITE CHARACTERIZATION MONITORING WELL LOCATION (ARCADIS, 2009)
 - SB-7 ● REMEDIAL INVESTIGATION NAPL DELINEATION SOIL BORING/VERTICAL AQUIFER PROFILE TEMPORARY MONITORING WELL LOCATION (ARCADIS, 2011)
 - SB-8 ● REMEDIAL INVESTIGATION NAPL DELINEATION SOIL BORING LOCATION (ARCADIS, 2011 AND 2012)
 - MW-6 ● REMEDIAL INVESTIGATION MONITORING WELL LOCATION (ARCADIS, 2011, 2012, AND 2013)
 - VP-1 ● REMEDIAL INVESTIGATION VERTICAL AQUIFER PROFILE TEMPORARY MONITORING WELL LOCATION (ARCADIS, 2012)
 - SV-1 □ REMEDIAL INVESTIGATION SOIL VAPOR POINT LOCATION (ARCADIS, 2012)
 - BOLD** COMPOUND CONCENTRATION EXCEEDS PROTECTION OF GROUNDWATER SCO
 - BOLD** COMPOUND CONCENTRATION EXCEEDS PROTECTION OF PUBLIC HEALTH COMMERCIAL USE SCO
 - BOLD** COMPOUND CONCENTRATION EXCEEDS PROTECTION OF GROUNDWATER SCO AND PROTECTION OF PUBLIC HEALTH COMMERCIAL USE SCO
 - NO EXCEEDANCE
 - SCO SOIL CLEANUP OBJECTIVE
 - J ESTIMATED VALUE

- NOTES:**
1. MONITORING WELL, SOIL BORING, AND SOIL VAPOR POINT LOCATIONS SURVEYED RELATIVE TO THE NEW YORK STATE PLANE COORDINATE SYSTEM, LONG ISLAND ZONE, NORTH AMERICAN DATUM OF 1983 (NAD 83).
 2. LOCATIONS OF MGP FEATURES ARE APPROXIMATE.
 3. BASE MAP BY DONALD G. DEKENIPP L.S., P.C., PROFESSIONAL LAND SURVEYOR.
 4. CONCENTRATIONS ARE PROVIDED IN MICROGRAMS PER KILOGRAM (µg/kg).



NATIONAL GRID
 FORMER DANGMAN PARK MGP SITE
 BROOKLYN, NEW YORK
REMEDIAL INVESTIGATION REPORT
**SEMI-VOLATILE ORGANIC COMPOUNDS
 IN SOIL EXCEEDING
 RESTRICTED USE SCOs**

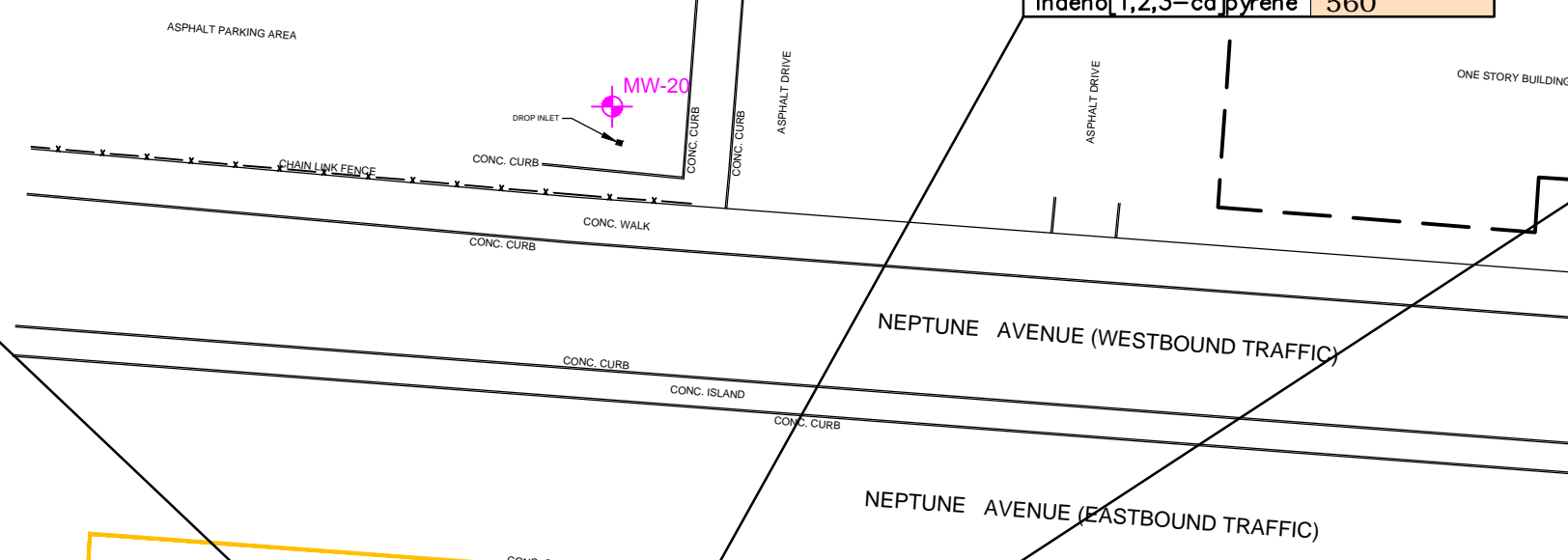
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SB-8	
Sample ID	SB-8 (2-3')
Sample Date	12/8/2011
Sample Depth (ft)	2 - 3
Compound	
Benzo[a]anthracene	1,600
Chrysene	1,800
Benzo[b]fluoranthene	2,200
Benzo[k]fluoranthene	900
Benzo[a]pyrene	2,000
Indeno[1,2,3-cd]pyrene	1,400
Dibenz(a,h)anthracene	420

SB-16	
Sample ID	SB-16 (2-3')
Sample Date	12/14/2011
Sample Depth (ft)	2 - 3
Compound	
Benzo[b]fluoranthene	1,100
Indeno[1,2,3-cd]pyrene	560

MW-17	
Sample ID	MW-17 (7-9')
Sample Date	2/15/2012
Sample Depth (ft)	7 - 9
Compound	
Benzo[a]anthracene	9,800
Chrysene	9,600
Benzo[b]fluoranthene	5,800
Benzo[k]fluoranthene	2,300
Benzo[a]pyrene	7,800
Indeno[1,2,3-cd]pyrene	3,600
Dibenz(a,h)anthracene	720

BLOCK 7250 LOT 1R



MW-19		
Sample ID	MW-19 (2-3')	MW-19 (5-7')
Sample Date	2/20/2012	2/20/2012
Sample Depth (ft)	2 - 3	5 - 7
Compound		
Benzo[a]anthracene	2,200	2,500
Chrysene	2,500	2,700
Benzo[b]fluoranthene	2,300	2,400
Benzo[k]fluoranthene	900	960
Benzo[a]pyrene	2,100	2,900
Indeno[1,2,3-cd]pyrene	1,600	2,200
Dibenz(a,h)anthracene	400	520

SB-17	
Sample ID	SB-17 (2-3')
Sample Date	12/9/2011
Sample Depth (ft)	2 - 3
Compound	
Benzo[a]anthracene	4,900
Chrysene	5,100
Benzo[b]fluoranthene	4,000
Benzo[k]fluoranthene	1,900
Benzo[a]pyrene	3,800
Indeno[1,2,3-cd]pyrene	2,800
Dibenz(a,h)anthracene	750

SB-11		
Sample ID	SB-11 (2-3')	SB-11 (6-8')
Sample Date	12/6/2011	12/6/2011
Sample Depth (ft)	2 - 3	6 - 8
Compound		
Benzo[a]anthracene	7,600	--
Chrysene	8,400	--
Benzo[b]fluoranthene	10,000	--
Benzo[k]fluoranthene	4,800	--
Benzo[a]pyrene	8,800	--
Indeno[1,2,3-cd]pyrene	6,300	8,200
Dibenz(a,h)anthracene	1,700	620

SB-10	
Sample ID	SB-10 (2-3')
Sample Date	12/12/2011
Sample Depth (ft)	2 - 3
Compound	
Indeno[1,2,3-cd]pyrene	650 J

SB-12	
Sample ID	SB-12 (2-3')
Sample Date	12/13/2011
Sample Depth (ft)	2 - 3
Compound	
Benzo[a]anthracene	1,900
Chrysene	2,600
Benzo[b]fluoranthene	1,800
Benzo[a]pyrene	1,800 J
Indeno[1,2,3-cd]pyrene	1,300

SB-9			
Sample ID	SB-9 (2-3')	SB-9 (6-8')	SB-9 (72-73.5')
Sample Date	12/7/2011	12/7/2011	12/8/2011
Sample Depth (ft)	2 - 3	6 - 8	72 - 73.5
Compound			
Naphthalene	--	--	71,000 J
Acenaphthylene	--	--	450,000 J
Acenaphthene	--	--	45,000 J
Fluorene	--	--	320,000 J
Phenanthrene	--	--	1,600,000 J
Anthracene	--	--	320,000 J
Fluoranthene	--	--	660,000 J
Pyrene	--	--	880,000 J
Benzo[a]anthracene	11,000	--	300,000 J
Chrysene	12,000	2,000	260,000 J
Benzo[b]fluoranthene	15,000	1,600	240,000 J
Benzo[k]fluoranthene	7,500	--	81,000 J
Benzo[a]pyrene	13,000	6,300	330,000 J
Indeno[1,2,3-cd]pyrene	10,000	6,300	200,000 J
Dibenz(a,h)anthracene	2,800	940	49,000 J
Benzo[g,h,i]perylene	--	--	240,000 J

SB-7	
Sample ID	SB-7 (6-8')
Sample Date	10/18/2011
Sample Depth (ft)	6 - 8
Compound	
Benzo[a]anthracene	1,500
Chrysene	2,200
Benzo[b]fluoranthene	1,900
Benzo[a]pyrene	3,400
Indeno[1,2,3-cd]pyrene	3,700
Dibenz(a,h)anthracene	480

SB-13			
Sample ID	SB-13 (2-3')	Dup103111	SB-13 (6-8')
Sample Date	10/31/2011	10/31/2011	10/31/2011
Sample Depth (ft)	2 - 3	2 - 3	6 - 8
Compound			
Benzo[a]anthracene	5,500	5,500	--
Chrysene	6,600	5,900	--
Benzo[b]fluoranthene	6,600	6,600	--
Benzo[k]fluoranthene	2,600	2,600	--
Benzo[a]pyrene	6,300	6,200	1,800
Indeno[1,2,3-cd]pyrene	5,500	5,400	2,100
Dibenz(a,h)anthracene	1,200	1,200	--

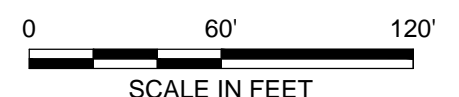
SB-6		
Sample ID	SB-6 (2-3')	SB-6 (43-45')
Sample Date	10/17/2011	10/17/2011
Sample Depth (ft)	2 - 3	43 - 45
Compound		
Pyrene	140,000 J	--
Benzo[a]anthracene	61,000 J	6,200 J
Chrysene	75,000 J	5,900 J
Benzo[b]fluoranthene	46,000 J	4,000 J
Benzo[k]fluoranthene	20,000 J	1,700 J
Benzo[a]pyrene	31,000 J	5,600 J
Indeno[1,2,3-cd]pyrene	35,000 J	2,200 J
Dibenz(a,h)anthracene	9,600 J	490 J

SB-19	
Sample ID	SB-19 (2-3')
Sample Date	12/15/2011
Sample Depth (ft)	2 - 3
Compound	
Benzo[a]anthracene	3,500
Chrysene	4,200
Benzo[b]fluoranthene	4,100
Benzo[k]fluoranthene	1,500
Benzo[a]pyrene	3,800
Indeno[1,2,3-cd]pyrene	2,500
Dibenz(a,h)anthracene	640

SB-22	
Sample ID	SB-22 (33-34')
Sample Date	1/19/2012
Sample Depth (ft)	33 - 34
Compound	
Naphthalene	94,000 J
Acenaphthene	160,000 J
Fluorene	69,000 J
Phenanthrene	330,000 J
Fluoranthene	120,000 J
Pyrene	190,000 J
Benzo[a]anthracene	59,000 J
Chrysene	47,000 J
Benzo[b]fluoranthene	33,000 J
Benzo[k]fluoranthene	13,000 J
Benzo[a]pyrene	44,000 J
Indeno[1,2,3-cd]pyrene	21,000 J
Dibenz(a,h)anthracene	3,300 J

- LEGEND:**
- APPROXIMATE BOUNDARY OF BLOCK 7273, LOT 1
 - APPROXIMATE BOUNDARY OF BLOCK 7273, LOT 25
 - APPROXIMATE FORMER MGP SITE BOUNDARY
 - FORMER MGP FEATURE (1895 AND/OR 1906 SANBORN FIRE INSURANCE MAPS)
 - SB-1 ▲ SITE CHARACTERIZATION SOIL BORING LOCATION (ARCADIS, 2009)
 - SB-2 ▲ SITE CHARACTERIZATION SOIL BORING/GEOPROBE GROUNDWATER SAMPLING LOCATION (ARCADIS, 2009)
 - MW-1 ● SITE CHARACTERIZATION MONITORING WELL LOCATION (ARCADIS, 2009)
 - SB-7 ● REMEDIAL INVESTIGATION NAPL DELINEATION SOIL BORING/VERTICAL AQUIFER PROFILE TEMPORARY MONITORING WELL LOCATION (ARCADIS, 2011)
 - SB-8 ● REMEDIAL INVESTIGATION NAPL DELINEATION SOIL BORING LOCATION (ARCADIS, 2011 AND 2012)
 - MW-6 ● REMEDIAL INVESTIGATION MONITORING WELL LOCATION (ARCADIS, 2011, 2012, AND 2013)
 - VP-1 ● REMEDIAL INVESTIGATION VERTICAL AQUIFER PROFILE TEMPORARY MONITORING WELL LOCATION (ARCADIS, 2012)
 - SV-1 ● REMEDIAL INVESTIGATION SOIL VAPOR POINT LOCATION (ARCADIS, 2012)
 - BOLD** COMPOUND CONCENTRATION EXCEEDS UNRESTRICTED USE SCO
 - NO EXCEEDANCE
 - SCO SOIL CLEANUP OBJECTIVE
 - J ESTIMATED VALUE

- NOTES:**
1. MONITORING WELL, SOIL BORING, AND SOIL VAPOR POINT LOCATIONS SURVEYED RELATIVE TO THE NEW YORK STATE PLANE COORDINATE SYSTEM, LONG ISLAND ZONE, NORTH AMERICAN DATUM OF 1983 (NAD 83).
 2. LOCATIONS OF MGP FEATURES ARE APPROXIMATE.
 3. BASE MAP BY DONALD G. DEKENIPP L.S., P.C., PROFESSIONAL LAND SURVEYOR.
 4. CONCENTRATIONS ARE PROVIDED IN MICROGRAMS PER KILOGRAM (µg/kg).



NATIONAL GRID
FORMER DANGMAN PARK MGP SITE
BROOKLYN, NEW YORK
REMEDIAL INVESTIGATION REPORT
**SEMI-VOLATILE ORGANIC COMPOUNDS
IN SOIL EXCEEDING UNRESTRICTED USE
SCOs**

XREF: IMAGES: PROJECTNAME: ---
 Xref_02 Image_2012-1105.jpg
 Xref_01
 Xref_sp Points

BLOCK 7250 LOT 1R

VP-1	
Sample ID	VP-1 (88-90')
Sample Date	1/12/2012
Sample Depth (ft)	88 - 90
Compound	
Benzene	9.2
Ethylbenzene	140
Toluene	48
Xylenes, Total	72

MW-15	
Sample ID	MW-15
Sample Date	3/21/2012
Screen Interval (ft)	6 - 16
Compound	
Toluene	11
Xylenes, Total	7.3

MW-18	
Sample ID	MW-18
Sample Date	3/23/2012
Screen Interval (ft)	70 - 80
Compound	
Benzene	7.9 J
Ethylbenzene	270
Styrene	61
Toluene	100
Xylenes, Total	100

VP-2		
Sample ID	VP-2 (72-74')	VP-2 (88-90')
Sample Date	1/9/2012	1/9/2012
Sample Depth (ft)	72 - 74	88 - 90
Compound		
Benzene	4.7 J	--
Ethylbenzene	37	9.9
Toluene	--	12
Xylenes, Total	39	31

MW-14	
Sample ID	MW-14
Sample Date	3/21/2012
Screen Interval (ft)	80 - 90
Compound	
Benzene	2.5 J
Ethylbenzene	67
Styrene	11
Toluene	32
Xylenes, Total	27

MW-1	
Sample ID	MW-1
Sample Date	3/22/2012
Screen Interval (ft)	6 - 16
Compound	
Benzene	81
Isopropylbenzene	5.8
1,2,4-Trimethylbenzene	7.8

MW-17	
Sample ID	MW-17
Sample Date	3/21/2012
Screen Interval (ft)	85 - 95
Compound	
Benzene	6.4
Ethylbenzene	110
Styrene	260
Toluene	220
Xylenes, Total	220
1,2,4-Trimethylbenzene	25
1,3,5-Trimethylbenzene	9.9

MW-10	
Sample ID	MW-10
Sample Date	3/22/2012
Screen Interval (ft)	90 - 100
Compound	
Ethylbenzene	7.8

MW-5	
Sample ID	MW-5
Sample Date	3/22/2012
Screen Interval (ft)	30 - 40
Compound	
Benzene	6,800 J
Ethylbenzene	5,300 J
Styrene	1,300 J
Toluene	10,000 J
Xylenes, Total	2,900
Isopropylbenzene	8.9 J
n-Propylbenzene	17 J
1,2,4-Trimethylbenzene	160 J
1,3,5-Trimethylbenzene	65 J

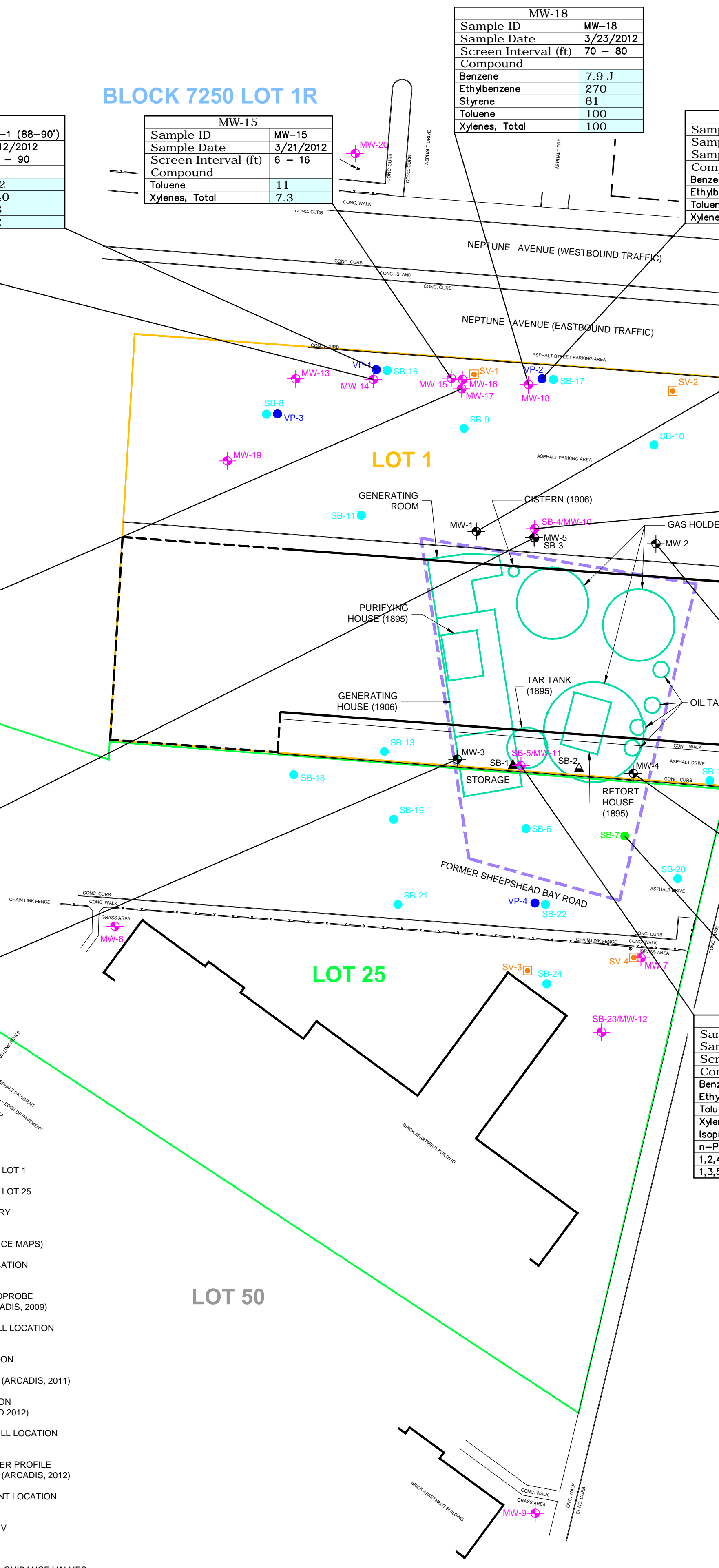
MW-2	
Sample ID	MW-2
Sample Date	3/26/2012
Screen Interval (ft)	6 - 16
Compound	
Ethylbenzene	33
Xylenes, Total	27
Isopropylbenzene	5.6
1,2,4-Trimethylbenzene	42

MW-3	
Sample ID	MW-3
Sample Date	3/26/2012
Screen Interval (ft)	6 - 16
Compound	
Benzene	390
Xylenes, Total	15
Isopropylbenzene	17
n-Propylbenzene	8.5 J
1,2,4-Trimethylbenzene	19

MW-4	
Sample ID	MW-4
Sample Date	3/26/2012
Screen Interval (ft)	6 - 16
Compound	
Benzene	19
Ethylbenzene	10
Xylenes, Total	16
Isopropylbenzene	12
n-Propylbenzene	6.8
1,2,4-Trimethylbenzene	33

SB-7-VP	
Sample ID	SB-7-VP (13-15')
Sample Date	10/18/2011
Sample Depth (ft)	13 - 15
Compound	
Benzene	17
Chloroform	58

MW-11		
Sample ID	MW-11	MW-11 DUP032812
Sample Date	3/28/2012	3/28/2012
Screen Interval (ft)	30 - 40	30 - 40
Compound		
Benzene	140	160
Ethylbenzene	1,700	1,800
Toluene	11 J	12 J
Xylenes, Total	310	330
Isopropylbenzene	54	60
n-Propylbenzene	28 J	31 J
1,2,4-Trimethylbenzene	140	160
1,3,5-Trimethylbenzene	28 J	31 J

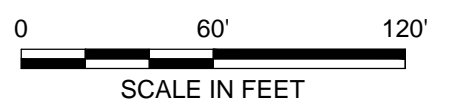


LEGEND:

- APPROXIMATE BOUNDARY OF BLOCK 7273, LOT 1
- APPROXIMATE BOUNDARY OF BLOCK 7273, LOT 25
- - - APPROXIMATE FORMER MGP SITE BOUNDARY
- FORMER MGP FEATURE (1895 AND/OR 1906 SANBORN FIRE INSURANCE MAPS)
- SB-1 ▲ SITE CHARACTERIZATION SOIL BORING LOCATION (ARCADIS, 2009)
- SB-2 ▲ SITE CHARACTERIZATION SOIL BORING/GEOPROBE GROUNDWATER SAMPLING LOCATION (ARCADIS, 2009)
- MW-1 ● SITE CHARACTERIZATION MONITORING WELL LOCATION (ARCADIS, 2009)
- SB-7 ● REMEDIAL INVESTIGATION NAPL DELINEATION SOIL BORING/VERTICAL AQUIFER PROFILE TEMPORARY MONITORING WELL LOCATION (ARCADIS, 2011)
- SB-8 ● REMEDIAL INVESTIGATION NAPL DELINEATION SOIL BORING LOCATION (ARCADIS, 2011 AND 2012)
- MW-6 ● REMEDIAL INVESTIGATION MONITORING WELL LOCATION (ARCADIS, 2011, 2012, AND 2013)
- VP-1 ● REMEDIAL INVESTIGATION VERTICAL AQUIFER PROFILE TEMPORARY MONITORING WELL LOCATION (ARCADIS, 2012)
- SV-1 ■ REMEDIAL INVESTIGATION SOIL VAPOR POINT LOCATION (ARCADIS, 2012)
- BOLD** COMPOUND CONCENTRATION EXCEEDS SGV
- - NO EXCEEDANCE
- SGV AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES
- J ESTIMATED VALUE

NOTES:

1. MONITORING WELL, SOIL BORING, AND SOIL VAPOR POINT LOCATIONS SURVEYED RELATIVE TO THE NEW YORK STATE COORDINATE SYSTEM, LONG ISLAND ZONE, NORTH AMERICAN DATUM OF 1983 (NAD 83).
2. LOCATIONS OF MGP FEATURES ARE APPROXIMATE.
3. BASE MAP BY DONALD G. DEKENIPP L.S., P.C., PROFESSIONAL LAND SURVEYOR.
4. CONCENTRATIONS ARE PROVIDED IN MICROGRAMS PER LITER (µg/L).



NATIONAL GRID
 FORMER DANGMAN PARK MGP SITE
 BROOKLYN, NEW YORK
REMEDIAL INVESTIGATION REPORT

**VOLATILE ORGANIC COMPOUNDS
 IN GROUNDWATER EXCEEDING SCGS**

ARCADIS | FIGURE 9

KREFS: IMAGES: PROJECTNAME: ---
 Xref_02 Image_2012-1105.jpg
 Xref_01
 Xref_sp Points

MW-15	
Sample ID	MW-15
Sample Date	3/21/2012
Screen Interval (ft)	6 - 16
Compound	
Benzo[a]anthracene	1.4
Benzo[b]fluoranthene	0.34 J

MW-17	
Sample ID	MW-17
Sample Date	3/21/2012
Screen Interval (ft)	85 - 95
Compound	
Naphthalene	1,100

MW-16	
Sample ID	MW-16
Sample Date	3/21/2012
Screen Interval (ft)	30 - 40
Compound	
Benzo[a]anthracene	0.34 J

VP-1	
Sample ID	VP-1 (88-90')
Sample Date	1/12/2012
Sample Depth (ft)	88 - 90
Compound	
Naphthalene	420

MW-18	
Sample ID	MW-18
Sample Date	3/23/2012
Screen Interval (ft)	70 - 80
Compound	
Naphthalene	1,100 J

VP-2	
Sample ID	VP-2 (72-74')
Sample Date	1/9/2012
Sample Depth (ft)	72 - 74
Compound	
Naphthalene	65

MW-14	
Sample ID	MW-14
Sample Date	3/21/2012
Screen Interval (ft)	80 - 90
Compound	
Naphthalene	150

MW-10	
Sample ID	MW-10
Sample Date	3/22/2012
Screen Interval (ft)	90 - 100
Compound	
Naphthalene	140
1,1'-Biphenyl	16

MW-13	
Sample ID	MW-13
Sample Date	3/23/2012
Screen Interval (ft)	75 - 85
Compound	
Naphthalene	12

MW-2	
Sample ID	MW-2
Sample Date	3/26/2012
Screen Interval (ft)	6 - 16
Compound	
Naphthalene	120
Acenaphthene	190
1,1'-Biphenyl	28
Phenanthrene	96
Benzo[a]anthracene	2.8
Benzo[b]fluoranthene	1.6

MW-1	
Sample ID	MW-1
Sample Date	3/22/2012
Screen Interval (ft)	6 - 16
Compound	
Naphthalene	28
Acenaphthene	83

MW-3	
Sample ID	MW-3
Sample Date	3/26/2012
Screen Interval (ft)	6 - 16
Compound	
Phenol	5.3 J
Naphthalene	100
Acenaphthene	120

MW-5	
Sample ID	MW-5
Sample Date	3/22/2012
Screen Interval (ft)	30 - 40
Compound	
Naphthalene	12,000 J

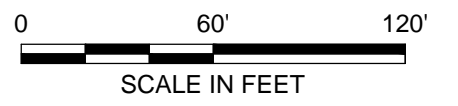
MW-11		
Sample ID	MW-11	MW-11 DUP032812
Sample Date	3/28/2012	3/28/2012
Screen Interval (ft)	30 - 40	30 - 40
Compound		
Naphthalene	6,100 J	6,500 J
Acenaphthene	420 J	450 J

MW-4	
Sample ID	MW-4
Sample Date	3/26/2012
Screen Interval (ft)	6 - 16
Compound	
Naphthalene	130
Acenaphthene	140
Phenanthrene	68
Benzo[a]anthracene	1.5

SB-7-VP	
Sample ID	SB-7-VP (13-15')
Sample Date	10/18/2011
Sample Depth (ft)	13 - 15
Compound	
Acenaphthene	30
Benzo[b]fluoranthene	0.28 J

- LEGEND:**
- APPROXIMATE BOUNDARY OF BLOCK 7273, LOT 1
 - APPROXIMATE BOUNDARY OF BLOCK 7273, LOT 25
 - - - APPROXIMATE FORMER MGP SITE BOUNDARY
 - FORMER MGP FEATURE (1895 AND/OR 1906 SANBORN FIRE INSURANCE MAPS)
 - SB-1 ▲ SITE CHARACTERIZATION SOIL BORING LOCATION (ARCADIS, 2009)
 - SB-2 ▲ SITE CHARACTERIZATION SOIL BORING/GEOPROBE GROUNDWATER SAMPLING LOCATION (ARCADIS, 2009)
 - MW-1 ● SITE CHARACTERIZATION MONITORING WELL LOCATION (ARCADIS, 2009)
 - SB-7 ● REMEDIAL INVESTIGATION NAPL DELINEATION SOIL BORING/VERTICAL AQUIFER PROFILE TEMPORARY MONITORING WELL LOCATION (ARCADIS, 2011)
 - SB-8 ● REMEDIAL INVESTIGATION NAPL DELINEATION SOIL BORING LOCATION (ARCADIS, 2011 AND 2012)
 - MW-6 ● REMEDIAL INVESTIGATION MONITORING WELL LOCATION (ARCADIS, 2011, 2012, AND 2013)
 - VP-1 ● REMEDIAL INVESTIGATION VERTICAL AQUIFER PROFILE TEMPORARY MONITORING WELL LOCATION (ARCADIS, 2012)
 - SV-1 □ REMEDIAL INVESTIGATION SOIL VAPOR POINT LOCATION (ARCADIS, 2012)
 - BOLD** COMPOUND CONCENTRATION EXCEEDS SGV
 - SGV AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES
 - J ESTIMATED VALUE

- NOTES:**
1. MONITORING WELL, SOIL BORING, AND SOIL VAPOR POINT LOCATIONS SURVEYED RELATIVE TO THE NEW YORK STATE PLANE COORDINATE SYSTEM, LONG ISLAND ZONE, NORTH AMERICAN DATUM OF 1983 (NAD 83).
 2. LOCATIONS OF MGP FEATURES ARE APPROXIMATE.
 3. BASE MAP BY DONALD G. DEKENIPP L.S., P.C., PROFESSIONAL LAND SURVEYOR.
 4. CONCENTRATIONS ARE PROVIDED IN MICROGRAMS PER LITER (µg/L).

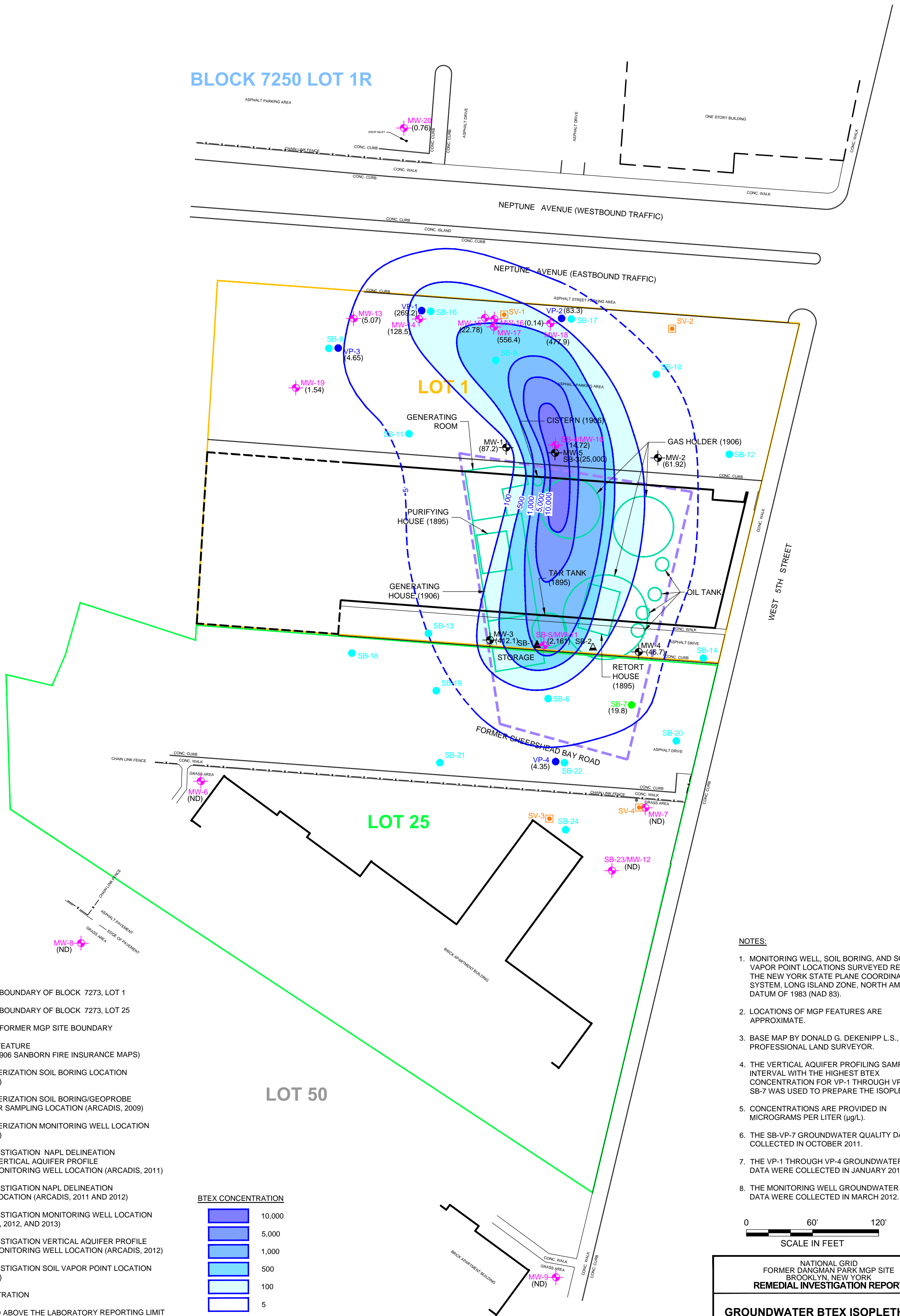


NATIONAL GRID
 FORMER DANGMAN PARK MGP SITE
 BROOKLYN, NEW YORK
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**SEMI-VOLATILE ORGANIC COMPOUNDS
 IN GROUNDWATER EXCEEDING SCGS**

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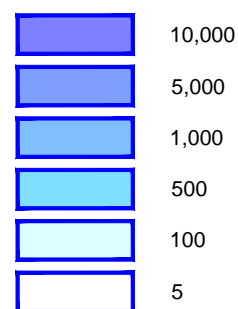
BLOCK 7250 LOT 1R



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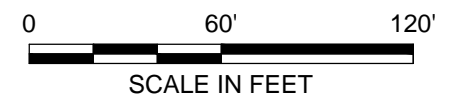
- APPROXIMATE BOUNDARY OF BLOCK 7273, LOT 1
- APPROXIMATE BOUNDARY OF BLOCK 7273, LOT 25
- - - APPROXIMATE FORMER MGP SITE BOUNDARY
- FORMER MGP FEATURE (1895 AND/OR 1906 SANBORN FIRE INSURANCE MAPS)
- SB-1 ▲ SITE CHARACTERIZATION SOIL BORING LOCATION (ARCADIS, 2009)
- SB-2 ▲ SITE CHARACTERIZATION SOIL BORING/GEOPROBE GROUNDWATER SAMPLING LOCATION (ARCADIS, 2009)
- MW-1 ● SITE CHARACTERIZATION MONITORING WELL LOCATION (ARCADIS, 2009)
- SB-7 ● REMEDIAL INVESTIGATION NAPL DELINEATION SOIL BORING/VERTICAL AQUIFER PROFILE TEMPORARY MONITORING WELL LOCATION (ARCADIS, 2011)
- SB-8 ● REMEDIAL INVESTIGATION NAPL DELINEATION SOIL BORING LOCATION (ARCADIS, 2011 AND 2012)
- MW-6 ● REMEDIAL INVESTIGATION MONITORING WELL LOCATION (ARCADIS, 2011, 2012, AND 2013)
- VP-1 ● REMEDIAL INVESTIGATION VERTICAL AQUIFER PROFILE TEMPORARY MONITORING WELL LOCATION (ARCADIS, 2012)
- SV-1 □ REMEDIAL INVESTIGATION SOIL VAPOR POINT LOCATION (ARCADIS, 2012)
- (4.35) BTEX CONCENTRATION
- (ND) NOT DETECTED ABOVE THE LABORATORY REPORTING LIMIT

BTEX CONCENTRATION



NOTES:

1. MONITORING WELL, SOIL BORING, AND SOIL VAPOR POINT LOCATIONS SURVEYED RELATIVE TO THE NEW YORK STATE PLANE COORDINATE SYSTEM, LONG ISLAND ZONE, NORTH AMERICAN DATUM OF 1983 (NAD 83).
2. LOCATIONS OF MGP FEATURES ARE APPROXIMATE.
3. BASE MAP BY DONALD G. DEKENIPP L.S., P.C., PROFESSIONAL LAND SURVEYOR.
4. THE VERTICAL AQUIFER PROFILING SAMPLE INTERVAL WITH THE HIGHEST BTEX CONCENTRATION FOR VP-1 THROUGH VP-4 AND SB-7 WAS USED TO PREPARE THE ISOPLETHS.
5. CONCENTRATIONS ARE PROVIDED IN MICROGRAMS PER LITER (µg/L).
6. THE SB-VP-7 GROUNDWATER QUALITY DATA WERE COLLECTED IN OCTOBER 2011.
7. THE VP-1 THROUGH VP-4 GROUNDWATER QUALITY DATA WERE COLLECTED IN JANUARY 2012.
8. THE MONITORING WELL GROUNDWATER QUALITY DATA WERE COLLECTED IN MARCH 2012.



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GROUNDWATER BTEX ISOPLETH MAP

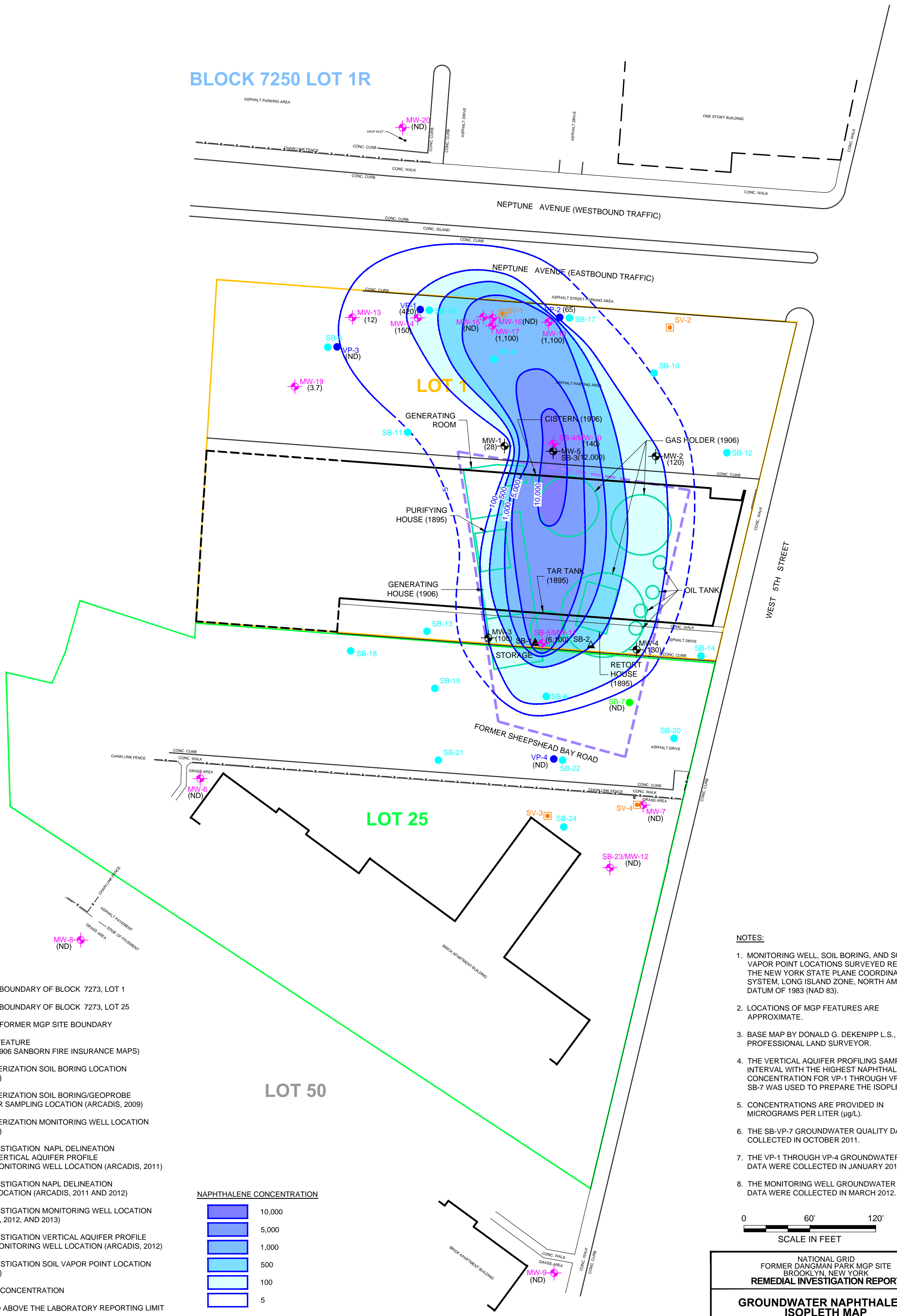
ARCADIS

FIGURE
11

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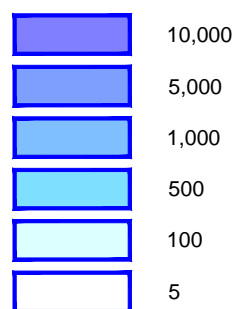
BLOCK 7250 LOT 1R



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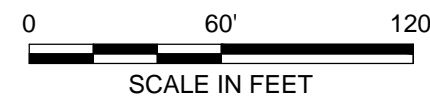
- APPROXIMATE BOUNDARY OF BLOCK 7273, LOT 1
- APPROXIMATE BOUNDARY OF BLOCK 7273, LOT 25
- - - APPROXIMATE FORMER MGP SITE BOUNDARY
- FORMER MGP FEATURE (1895 AND/OR 1906 SANBORN FIRE INSURANCE MAPS)
- SB-1 ▲ SITE CHARACTERIZATION SOIL BORING LOCATION (ARCADIS, 2009)
- SB-2 ▲ SITE CHARACTERIZATION SOIL BORING/GEOPROBE GROUNDWATER SAMPLING LOCATION (ARCADIS, 2009)
- MW-1 ● SITE CHARACTERIZATION MONITORING WELL LOCATION (ARCADIS, 2009)
- SB-7 ● REMEDIAL INVESTIGATION NAPL DELINEATION SOIL BORING/VERTICAL AQUIFER PROFILE TEMPORARY MONITORING WELL LOCATION (ARCADIS, 2011)
- SB-8 ● REMEDIAL INVESTIGATION NAPL DELINEATION SOIL BORING LOCATION (ARCADIS, 2011 AND 2012)
- MW-6 ● REMEDIAL INVESTIGATION MONITORING WELL LOCATION (ARCADIS, 2011, 2012, AND 2013)
- VP-1 ● REMEDIAL INVESTIGATION VERTICAL AQUIFER PROFILE TEMPORARY MONITORING WELL LOCATION (ARCADIS, 2012)
- SV-1 □ REMEDIAL INVESTIGATION SOIL VAPOR POINT LOCATION (ARCADIS, 2012)
- (130) NAPHTHALENE CONCENTRATION
- (ND) NOT DETECTED ABOVE THE LABORATORY REPORTING LIMIT

NAPHTHALENE CONCENTRATION



NOTES:

1. MONITORING WELL, SOIL BORING, AND SOIL VAPOR POINT LOCATIONS SURVEYED RELATIVE TO THE NEW YORK STATE PLANE COORDINATE SYSTEM, LONG ISLAND ZONE, NORTH AMERICAN DATUM OF 1983 (NAD 83).
2. LOCATIONS OF MGP FEATURES ARE APPROXIMATE.
3. BASE MAP BY DONALD G. DEKENIPP L.S., P.C., PROFESSIONAL LAND SURVEYOR.
4. THE VERTICAL AQUIFER PROFILING SAMPLE INTERVAL WITH THE HIGHEST NAPHTHALENE CONCENTRATION FOR VP-1 THROUGH VP-4 AND SB-7 WAS USED TO PREPARE THE ISOPLETHS.
5. CONCENTRATIONS ARE PROVIDED IN MICROGRAMS PER LITER (µg/L).
6. THE SB-VP-7 GROUNDWATER QUALITY DATA WERE COLLECTED IN OCTOBER 2011.
7. THE VP-1 THROUGH VP-4 GROUNDWATER QUALITY DATA WERE COLLECTED IN JANUARY 2012.
8. THE MONITORING WELL GROUNDWATER QUALITY DATA WERE COLLECTED IN MARCH 2012.



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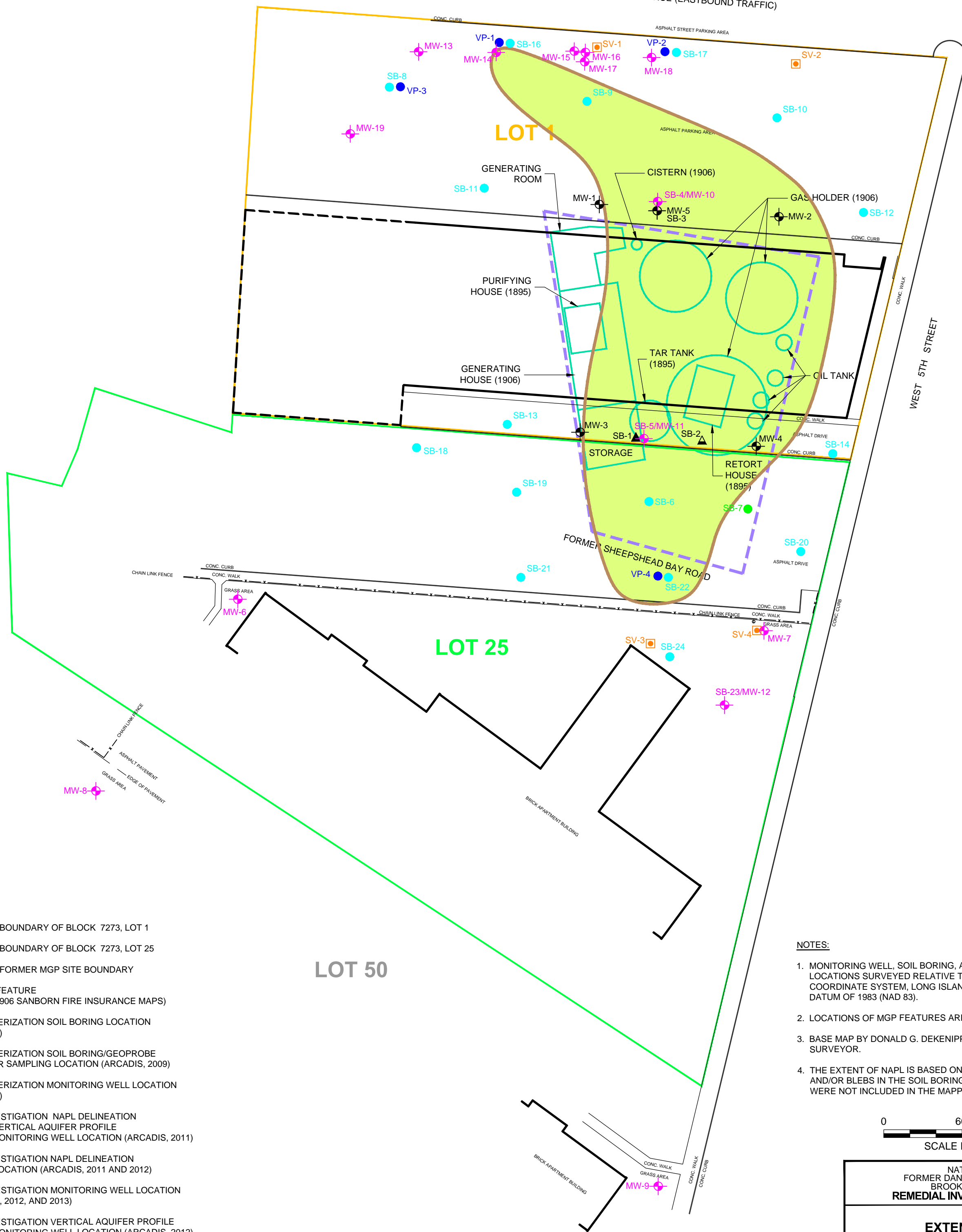
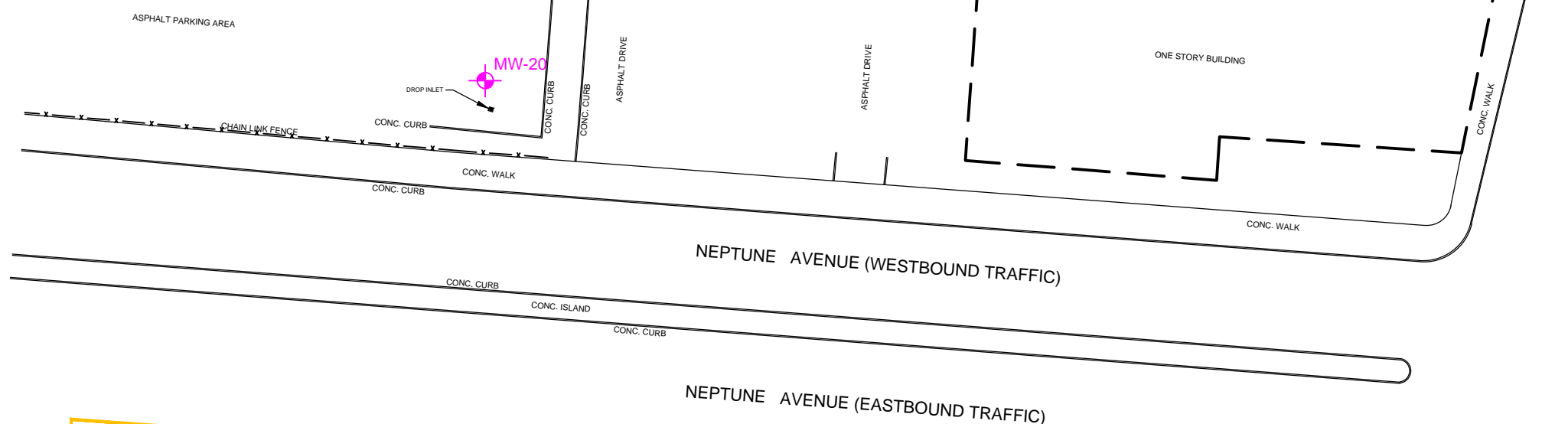
GROUNDWATER NAPHTHALENE ISOPLETH MAP

ARCADIS | FIGURE 12

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BLOCK 7250 LOT 1R

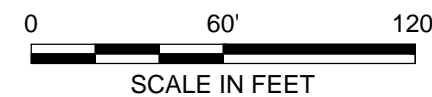


LEGEND:

- APPROXIMATE BOUNDARY OF BLOCK 7273, LOT 1
- APPROXIMATE BOUNDARY OF BLOCK 7273, LOT 25
- - - APPROXIMATE FORMER MGP SITE BOUNDARY
- FORMER MGP FEATURE (1895 AND/OR 1906 SANBORN FIRE INSURANCE MAPS)
- SB-1 ▲ SITE CHARACTERIZATION SOIL BORING LOCATION (ARCADIS, 2009)
- SB-2 ▲ SITE CHARACTERIZATION SOIL BORING/GEOPROBE GROUNDWATER SAMPLING LOCATION (ARCADIS, 2009)
- MW-1 ● SITE CHARACTERIZATION MONITORING WELL LOCATION (ARCADIS, 2009)
- SB-7 ● REMEDIAL INVESTIGATION NAPL DELINEATION SOIL BORING/VERTICAL AQUIFER PROFILE TEMPORARY MONITORING WELL LOCATION (ARCADIS, 2011)
- SB-8 ● REMEDIAL INVESTIGATION NAPL DELINEATION SOIL BORING LOCATION (ARCADIS, 2011 AND 2012)
- MW-6 ● REMEDIAL INVESTIGATION MONITORING WELL LOCATION (ARCADIS, 2011, 2012, AND 2013)
- VP-1 ● REMEDIAL INVESTIGATION VERTICAL AQUIFER PROFILE TEMPORARY MONITORING WELL LOCATION (ARCADIS, 2012)
- SV-1 □ REMEDIAL INVESTIGATION SOIL VAPOR POINT LOCATION (ARCADIS, 2012)

NOTES:

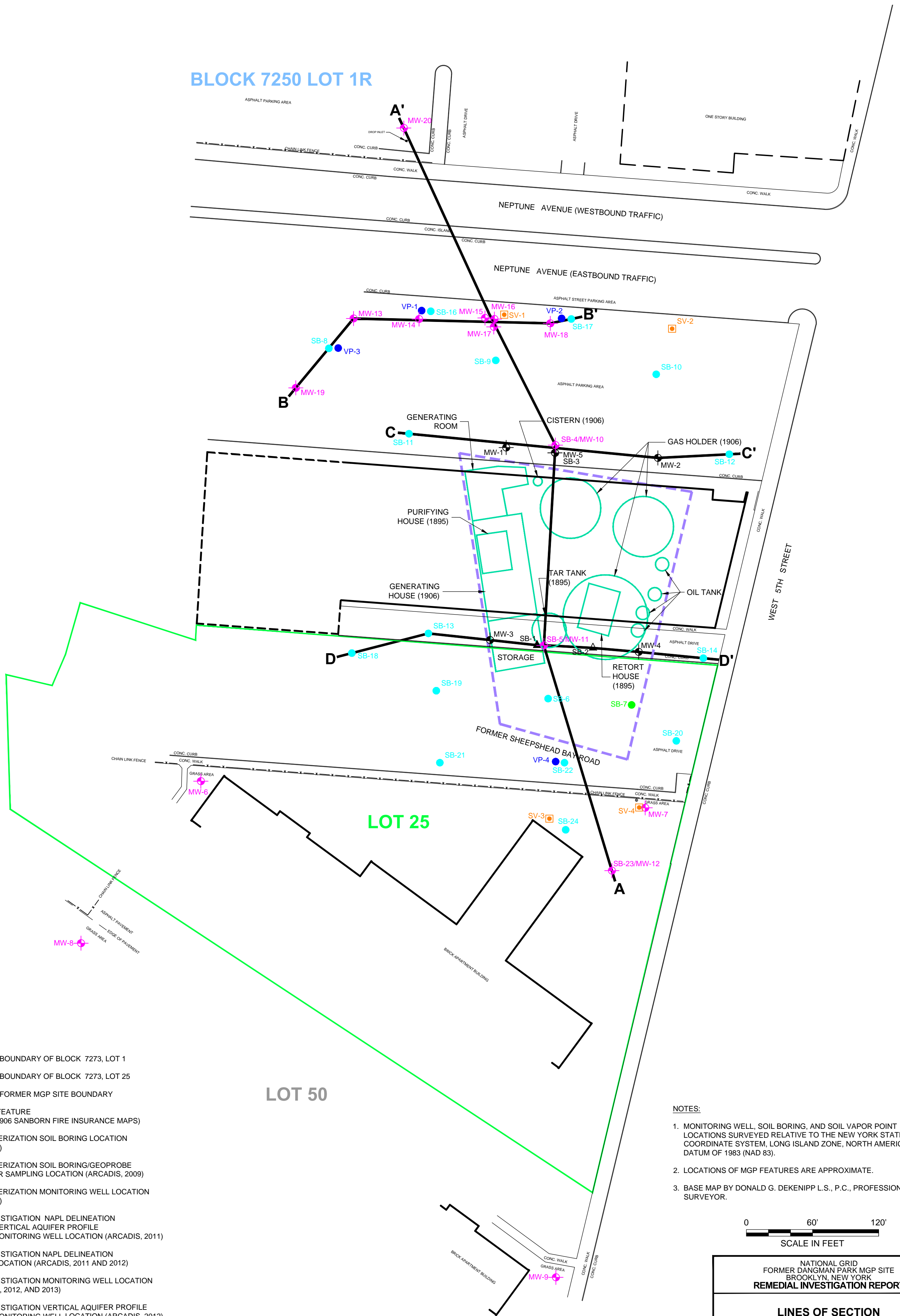
1. MONITORING WELL, SOIL BORING, AND SOIL VAPOR POINT LOCATIONS SURVEYED RELATIVE TO THE NEW YORK STATE PLANE COORDINATE SYSTEM, LONG ISLAND ZONE, NORTH AMERICAN DATUM OF 1983 (NAD 83).
2. LOCATIONS OF MGP FEATURES ARE APPROXIMATE.
3. BASE MAP BY DONALD G. DEKENIPP L.S., P.C., PROFESSIONAL LAND SURVEYOR.
4. THE EXTENT OF NAPL IS BASED ON THE OBSERVATION OF TAR AND/OR BLEBS IN THE SOIL BORINGS. STAINED SOIL OR A SHEEN WERE NOT INCLUDED IN THE MAPPING OF THE EXTENT OF NAPL.



NATIONAL GRID FORMER DANGMAN PARK MGP SITE BROOKLYN, NEW YORK REMEDIAL INVESTIGATION REPORT	
EXTENT OF NAPL	
	FIGURE 13



BLOCK 7250 LOT 1R

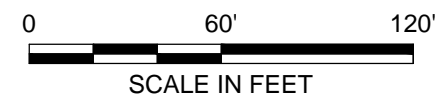


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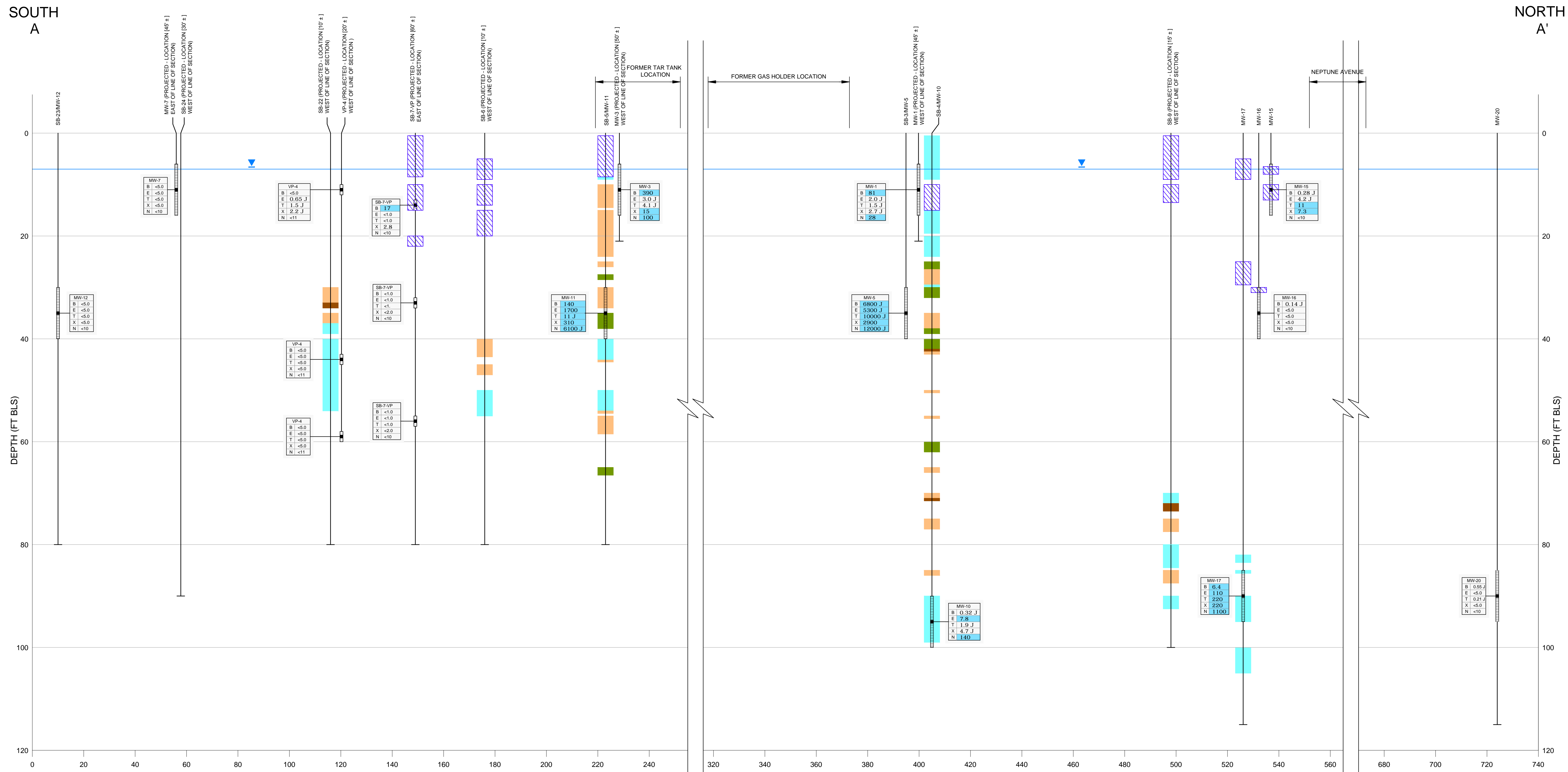
- APPROXIMATE BOUNDARY OF BLOCK 7273, LOT 1
- APPROXIMATE BOUNDARY OF BLOCK 7273, LOT 25
- - - APPROXIMATE FORMER MGP SITE BOUNDARY
- FORMER MGP FEATURE (1895 AND/OR 1906 SANBORN FIRE INSURANCE MAPS)
- ▲ SB-1 SITE CHARACTERIZATION SOIL BORING LOCATION (ARCADIS, 2009)
- ▲ SB-2 SITE CHARACTERIZATION SOIL BORING/GEOPROBE GROUNDWATER SAMPLING LOCATION (ARCADIS, 2009)
- ⊙ MW-1 SITE CHARACTERIZATION MONITORING WELL LOCATION (ARCADIS, 2009)
- SB-7 REMEDIAL INVESTIGATION NAPL DELINEATION SOIL BORING/VERTICAL AQUIFER PROFILE TEMPORARY MONITORING WELL LOCATION (ARCADIS, 2011)
- SB-8 REMEDIAL INVESTIGATION NAPL DELINEATION SOIL BORING LOCATION (ARCADIS, 2011 AND 2012)
- ⊙ MW-6 REMEDIAL INVESTIGATION MONITORING WELL LOCATION (ARCADIS, 2011, 2012, AND 2013)
- VP-1 REMEDIAL INVESTIGATION VERTICAL AQUIFER PROFILE TEMPORARY MONITORING WELL LOCATION (ARCADIS, 2012)
- ⊙ SV-1 REMEDIAL INVESTIGATION SOIL VAPOR POINT LOCATION (ARCADIS, 2012)

NOTES:

1. MONITORING WELL, SOIL BORING, AND SOIL VAPOR POINT LOCATIONS SURVEYED RELATIVE TO THE NEW YORK STATE PLANE COORDINATE SYSTEM, LONG ISLAND ZONE, NORTH AMERICAN DATUM OF 1983 (NAD 83).
2. LOCATIONS OF MGP FEATURES ARE APPROXIMATE.
3. BASE MAP BY DONALD G. DEKENIPP L.S., P.C., PROFESSIONAL LAND SURVEYOR.



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LINES OF SECTION	
	FIGURE 14



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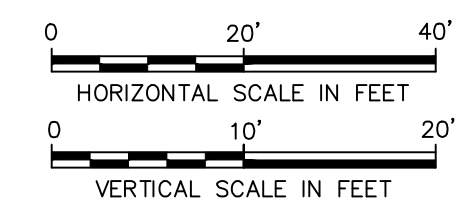
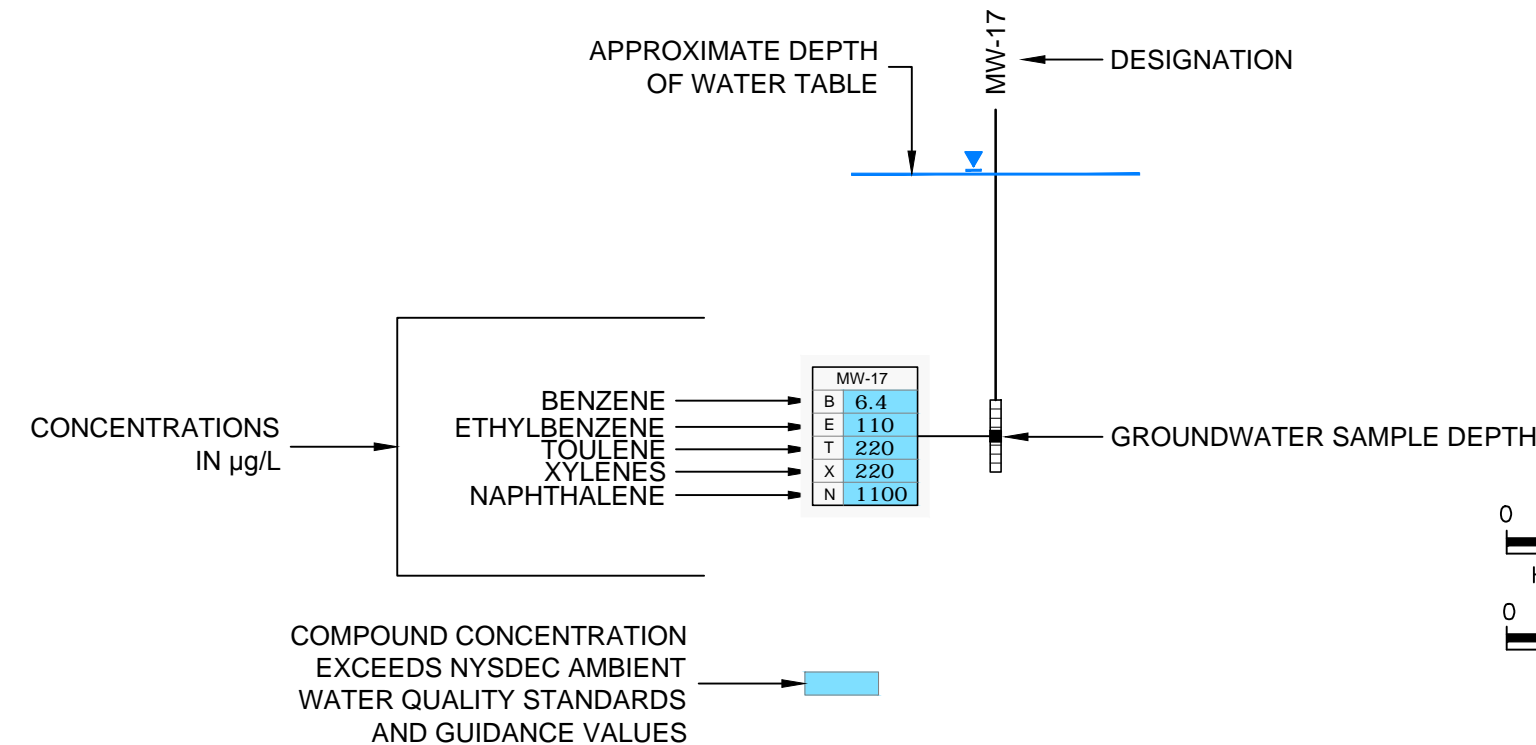
- TAR SATURATED
- TAR BLEBS, TAR LENSES, TAR COATED
- TAR STAINING, TAR SHEEN
- TAR/ NAPHTHALENE-LIKE ODORS
- PETROLEUM SHEEN, STAINING, ODORS

ABBREVIATIONS:

- FT BLS - FEET BELOW LAND SURFACE
- µg/L - MICROGRAMS PER LITER
- J - ESTIMATED VALUE
- BTEX - BENZENE, TOLUENE, ETHYLBENZENE AND XYLENES

NOTES:

1. A REPRESENTATIVE WATER TABLE DEPTH OF 7 FT BLS WAS USED FOR PURPOSES OF PREPARING THIS CROSS-SECTION.
2. THE SB-VP-7 GROUNDWATER QUALITY DATA WERE COLLECTED IN OCTOBER 2011.
3. THE VP-4 GROUNDWATER QUALITY DATA WERE COLLECTED IN JANUARY 2012.
4. THE MONITORING WELL GROUNDWATER QUALITY DATA WERE COLLECTED IN MARCH 2012.
5. THE IMPACT INTERVALS SHOWN ON THIS FIGURE ARE BASED ON THE ACTUAL SOIL CORE RECOVERY LENGTHS AND WERE NOT EXTRAPOLATED TO INCLUDE THE ENTIRE CORE RUN LENGTH (I.E., 5 FEET) WHEN FULL RECOVERY WAS NOT ACHIEVED.



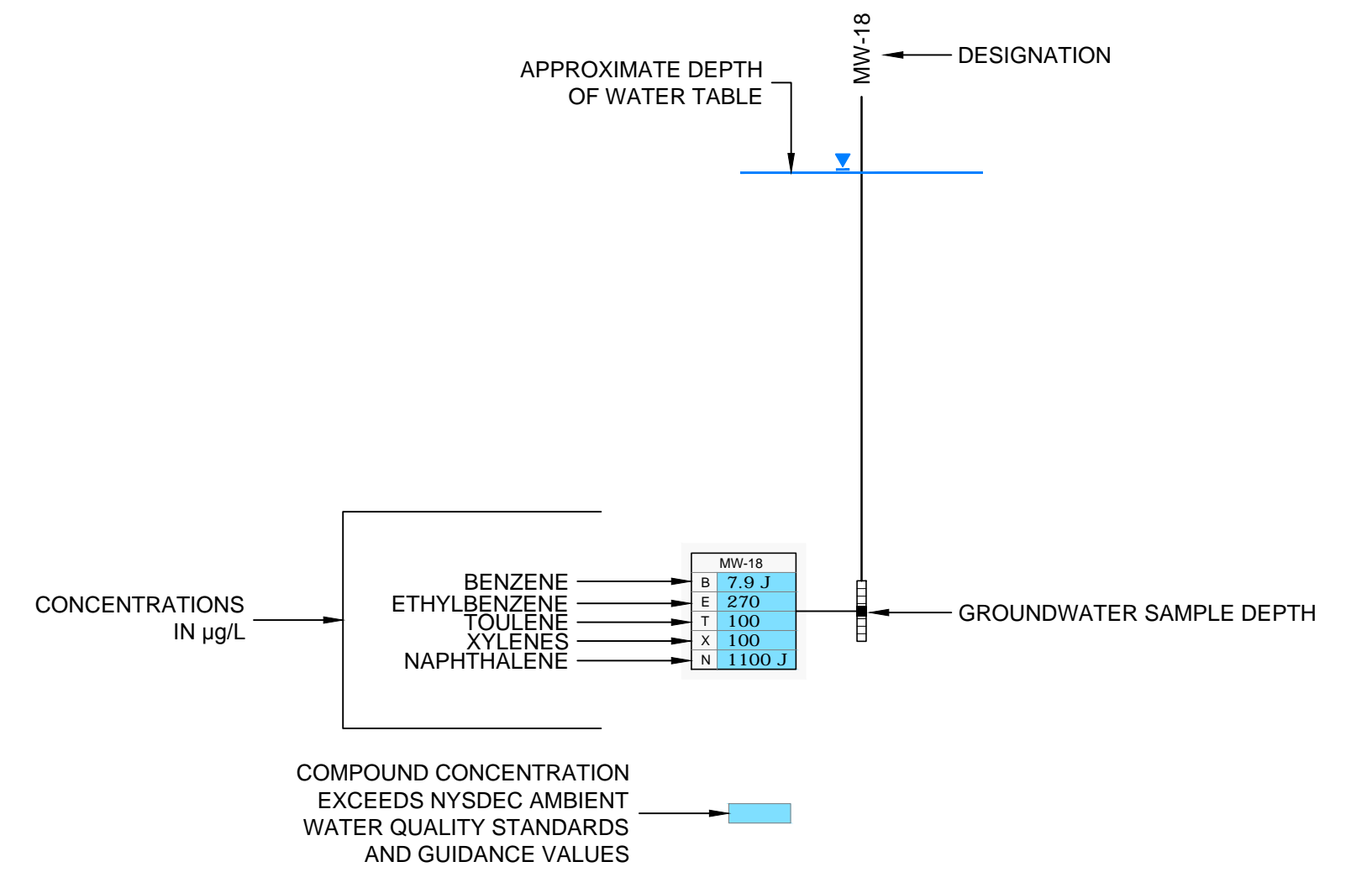
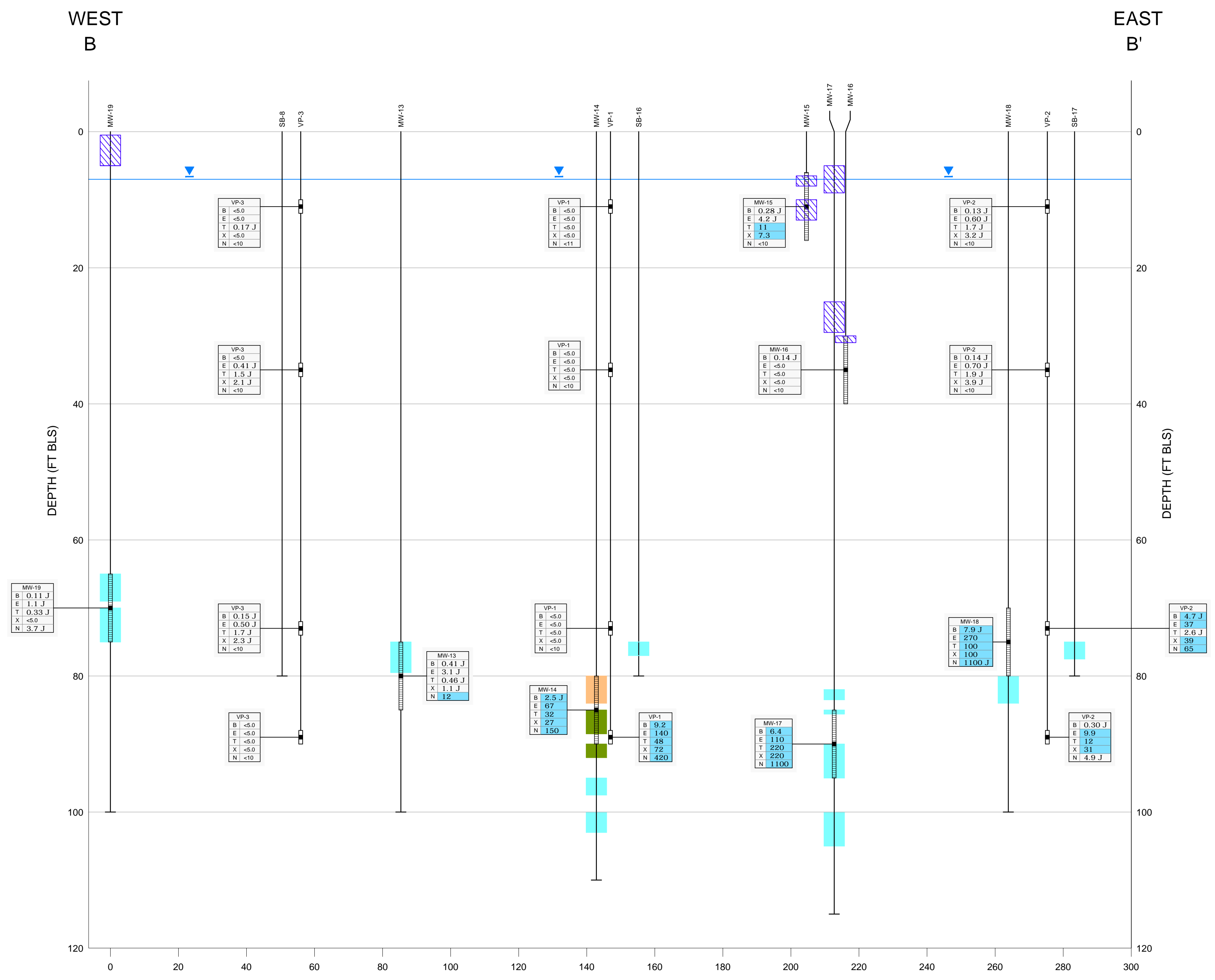
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 FORMER DANGMAN PARK MGP SITE
 BROOKLYN, NEW YORK

REMEDIAL INVESTIGATION REPORT

CROSS SECTION A-A'
DISTRIBUTION OF BTEX & NAPHTHALENE

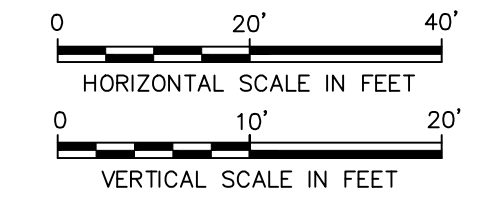
FIGURE
15

- LEGEND:**
- TAR BLEBS, TAR LENSES, TAR COATED
 - TAR STAINING, TAR SHEEN
 - TAR/ NAPHTHALENE-LIKE ODORS
 - PETROLEUM SHEEN, STAINING, ODORS



- ABBREVIATIONS:**
- FT BLS - FEET BELOW LAND SURFACE
 - µg/L - MICROGRAMS PER LITER
 - J - ESTIMATED VALUE
 - BTEX - BENZENE, TOLUENE, ETHYLBENZENE AND XYLENES

- NOTES:**
1. A REPRESENTATIVE WATER TABLE DEPTH OF 7 FT BLS WAS USED FOR PURPOSES OF PREPARING THIS CROSS-SECTION.
 2. THE VP-1, VP-2 AND VP-3 GROUNDWATER QUALITY DATA WERE COLLECTED IN JANUARY 2012.
 3. THE MONITORING WELL GROUNDWATER QUALITY DATA WERE COLLECTED IN MARCH 2012.
 4. THE IMPACT INTERVALS SHOWN ON THIS FIGURE ARE BASED ON THE ACTUAL SOIL CORE RECOVERY LENGTHS AND WERE NOT EXTRAPOLATED TO INCLUDE THE ENTIRE CORE RUN LENGTH (I.E., 5 FEET) WHEN FULL RECOVERY WAS NOT ACHIEVED.

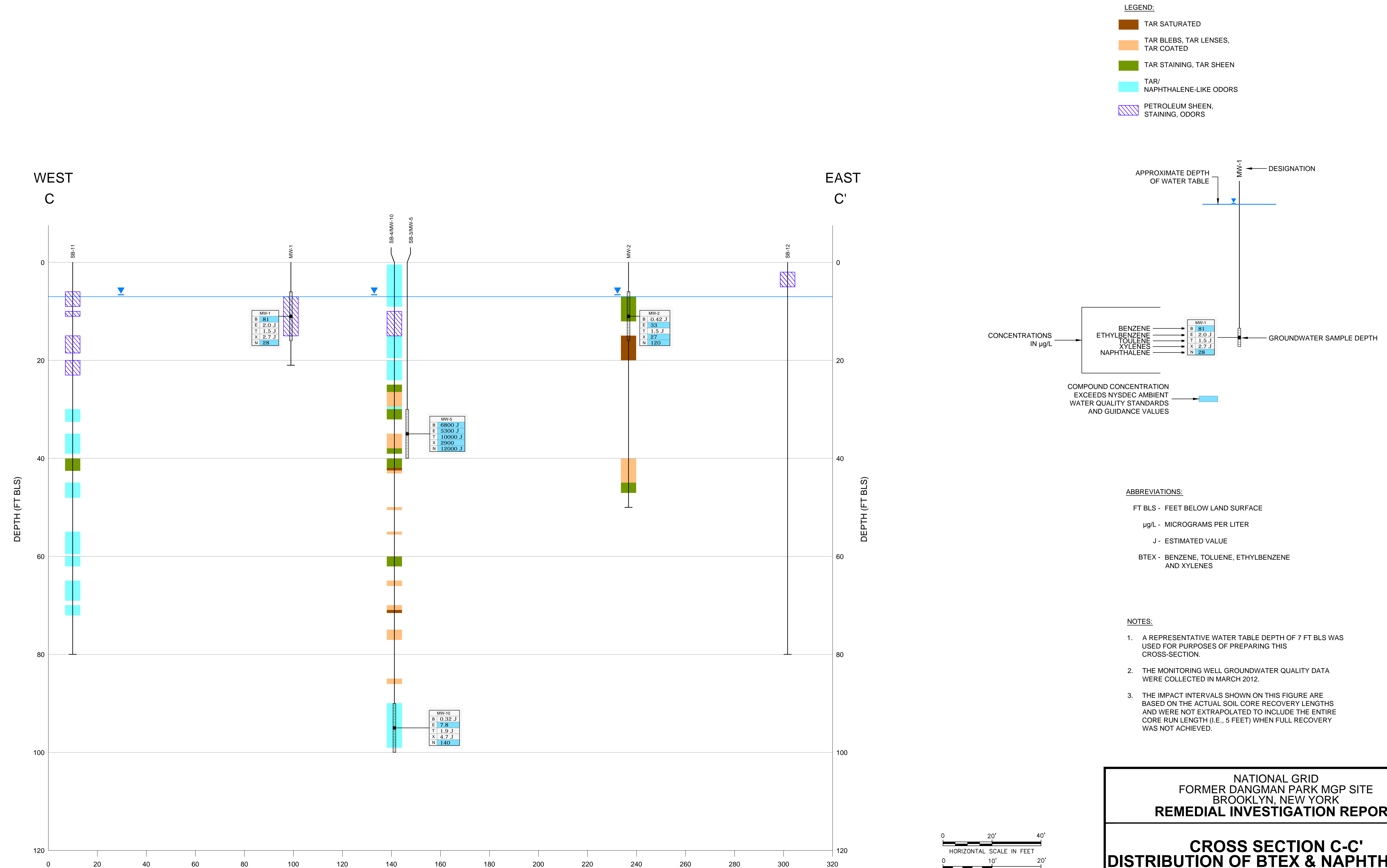


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CROSS SECTION B-B'
DISTRIBUTION OF BTEX & NAPHTHALENE

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FIGURE
16



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 BROOKLYN, NEW YORK
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CROSS SECTION C-C'
DISTRIBUTION OF BTEX & NAPHTHALENE

ARCADIS

FIGURE
17

