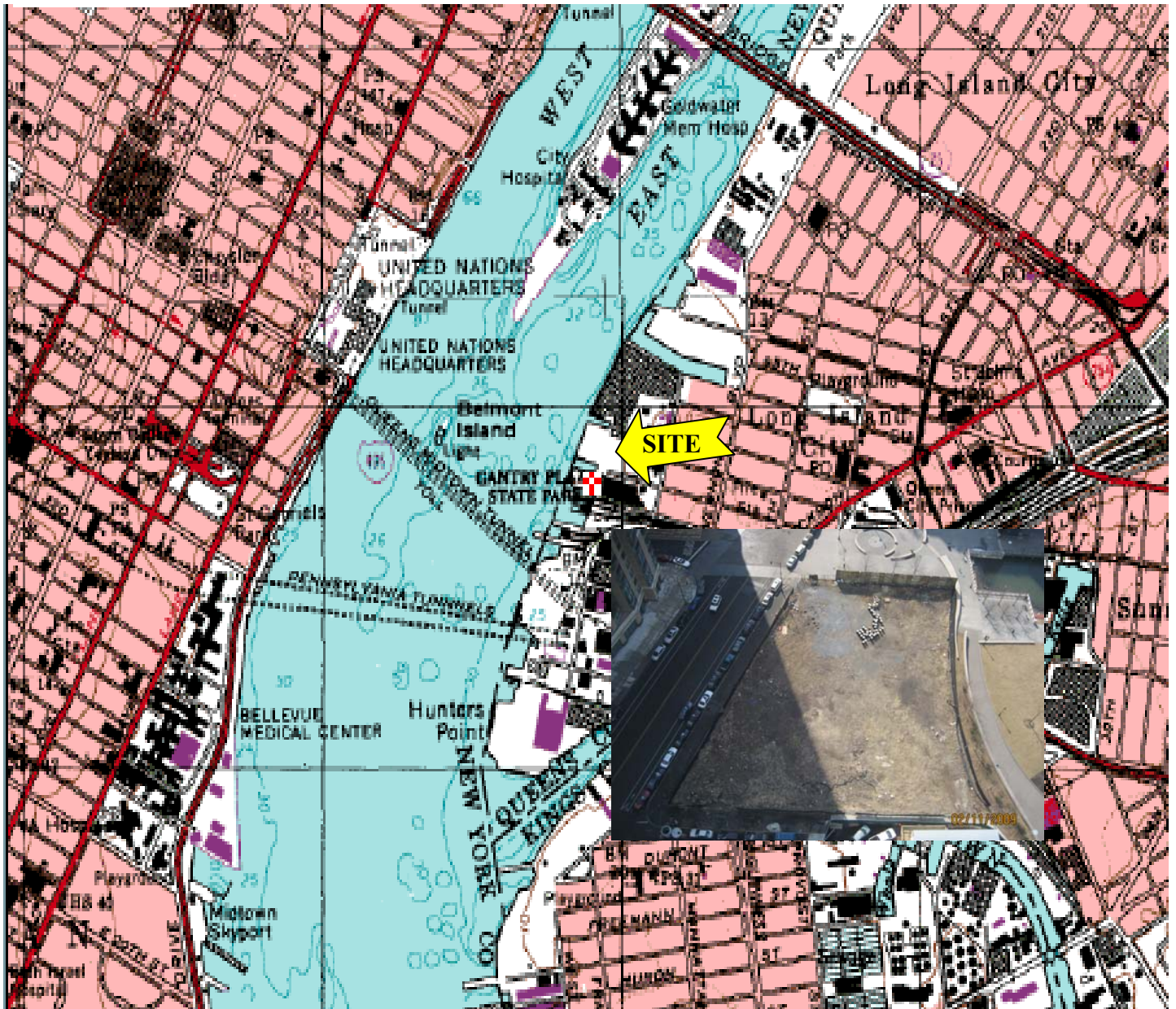




Approximate Scale: 1" $\approx$ 1,650'

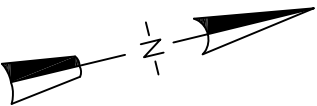
Map Source: USGS Topographic Map – Brooklyn, NY Quad. Dated 1967, Photo revised 1979

Figure 1: Site Location Map

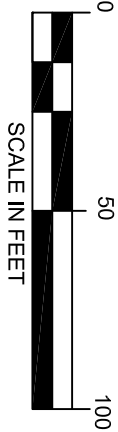
*Fleming
Lee Shue*

SITE: Queens West Development Parcel 8
Long Island City, New York
CLIENT: Sive, Paget & Riesel

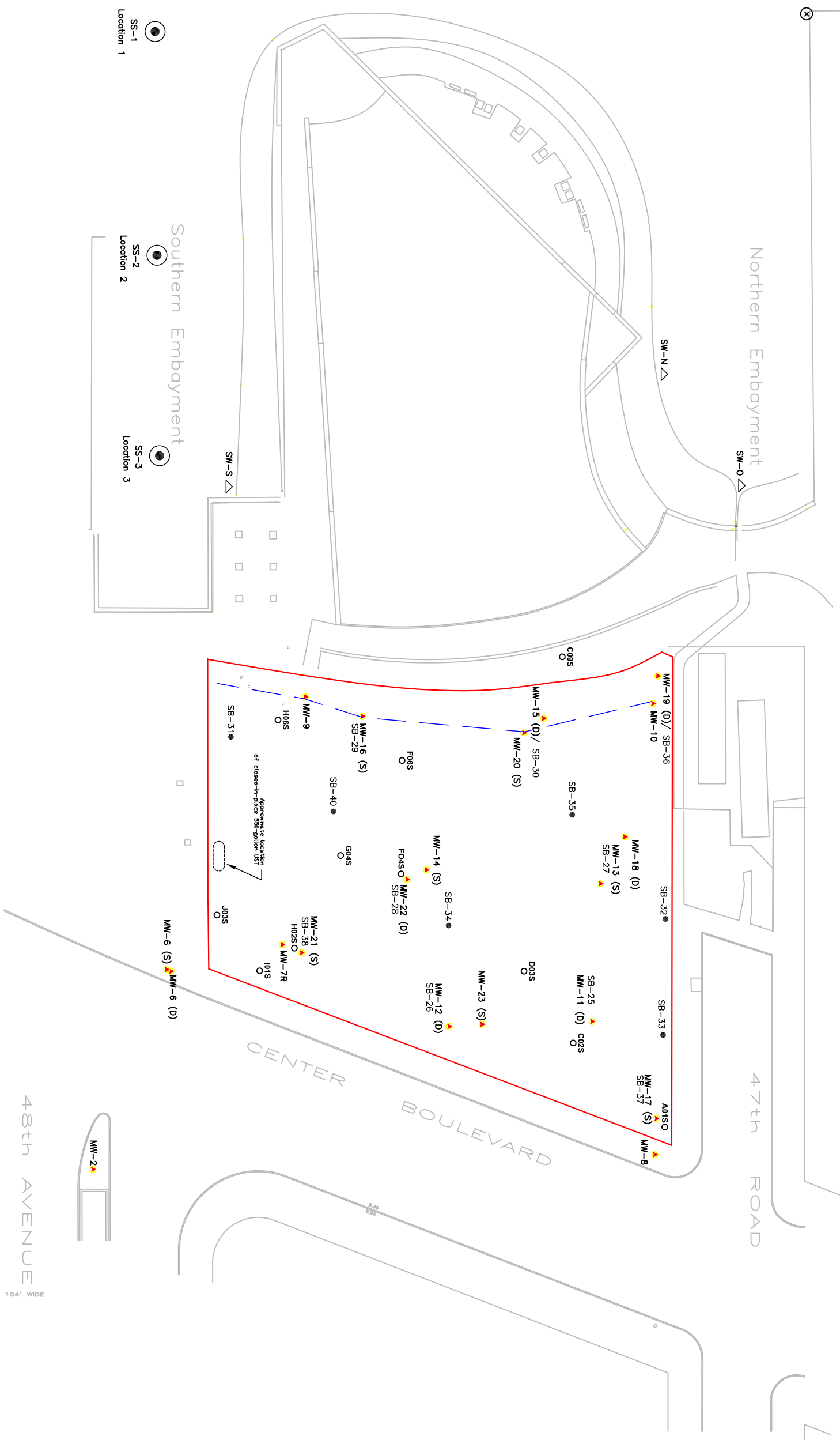
Environmental Management & Consulting, 158 West 29th Street, 9th Fl, New York, NY 10001



P:\PROJECT FILES\10011 - SIVE PAGET & RIESEL\007-1-AVALON BCP PARCELS\RR\BRR JANUARY 2009\FINAL APRIL 2009\CAD\AVALON PARCEL 8 - FIGURES 2,7,8A,8.10,11,12,14 (MASTER FIGURE)



SCALE IN FEET



Fleming
Lee-Shue

Environmental Management & Consulting

158 West 29th Street, 9th Fl
New York, NY 10001

Queens West Development
Parcel 8
BCP Site No. C241087

FIGURE 2

Site Plan
and
Sampling
Locations

Date
April 2009

Project Number
10011-007-1

LEGEND

- Parcel 8 Boundary
 - MW-7R Groundwater Monitoring Well and/or Soil Boring Location
 - SB-40 Soil Boring Location
 - SS-3 Sediment Sample Location
 - H02S Shallow Soil Gas (SUMMA) Point Location
 - Stilling Well Location
 - SW-N Surface Water Sample Location
 - Test Pit Location
 - Assumed Historical Shoreline
- NOTE:
SB-39 non-existing.



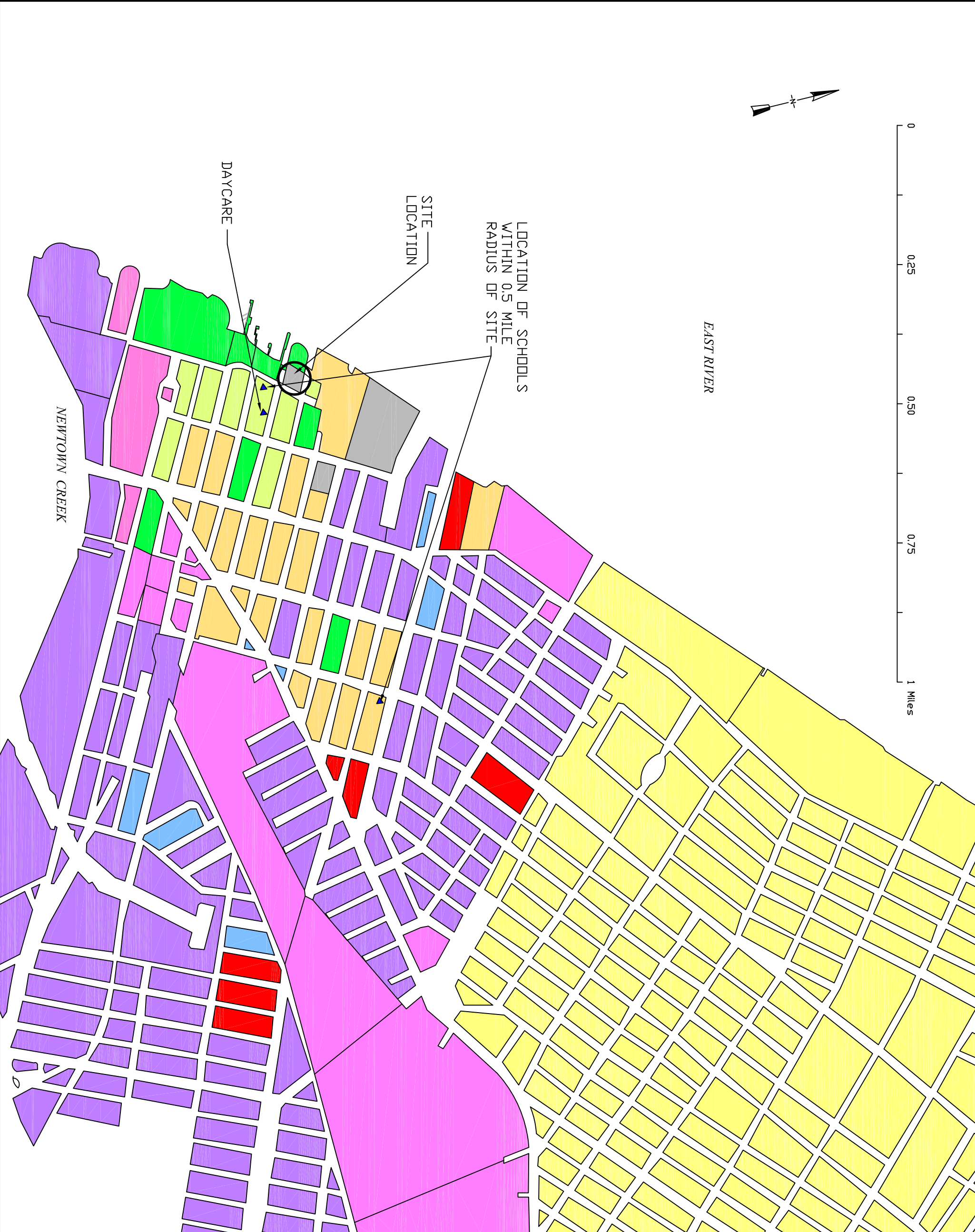
Fleming Lee Shue. February 11, 2009



Figure 3: Aerial View

SITE: Queens West Development Parcel 8
Long Island City, New York

Environmental Management & Consulting, 158 West 29th Street, New York, NY 10001



Environmental Management & Consulting

158 West 29th Street, 9th Fl.
New York, NY 10001

Queens West - Parcel 8
Long Island City, NY

FIGURE 4

**Land Use in
Surrounding Area**

Date
April 2009

Project Number
10011-007-1

LEGEND

- Commercial & Office
- Industrial & Manufacturing
- Transportation & Utility
- Open Space & Outdoor Recreations
- Multi- Family
- Mixed Residential & Commercial
- Parking Facilities
- Vacant land
- Area not included in 0.5 mile radius

Map Source:
1. Figure RIR-3-TRC Engineers
2. New York City Zoning Maps - Updated as of February 3, 2009
<http://www.nyc.gov/html/dcp/html/zone/zonedex.shtml>

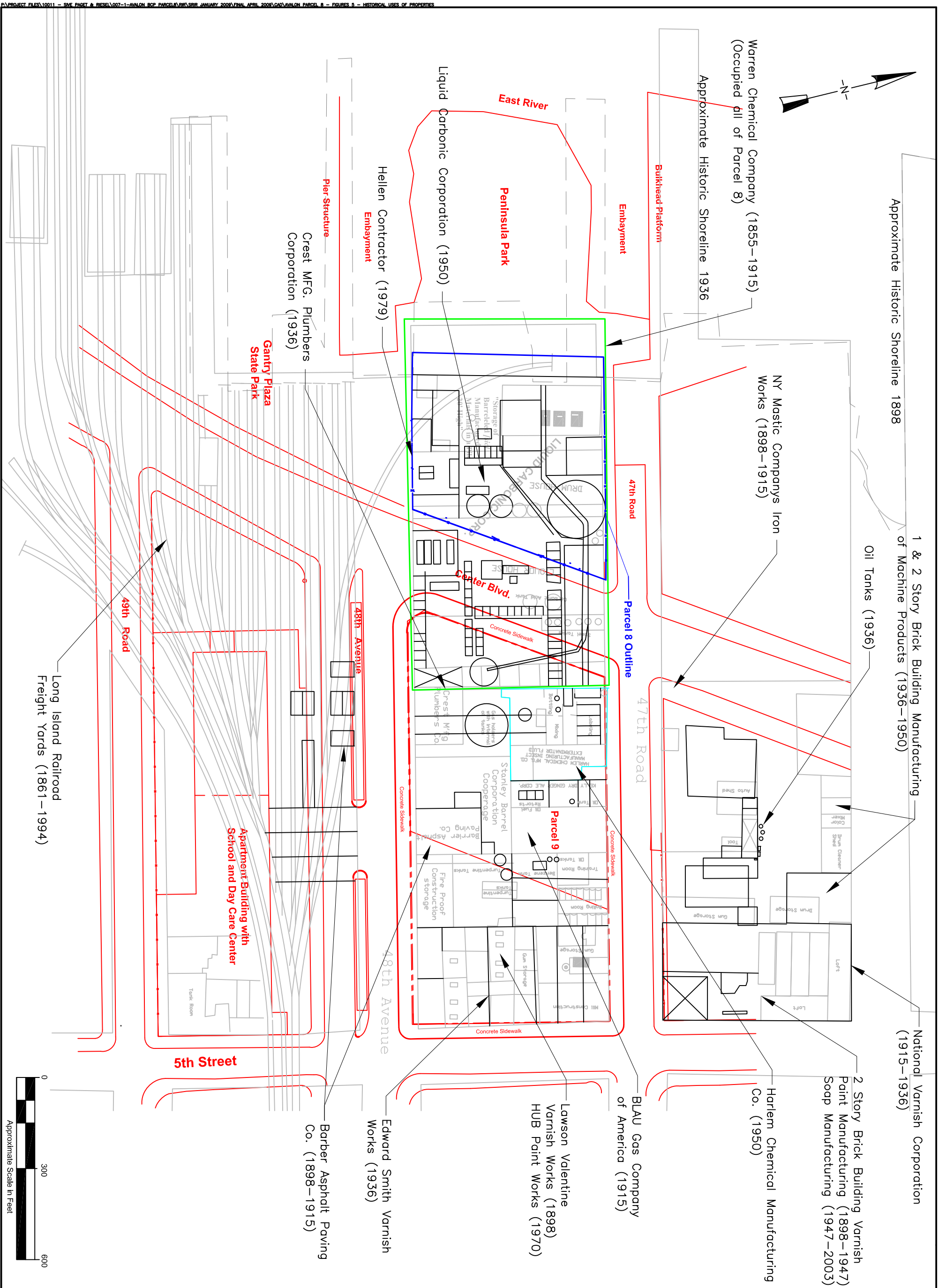
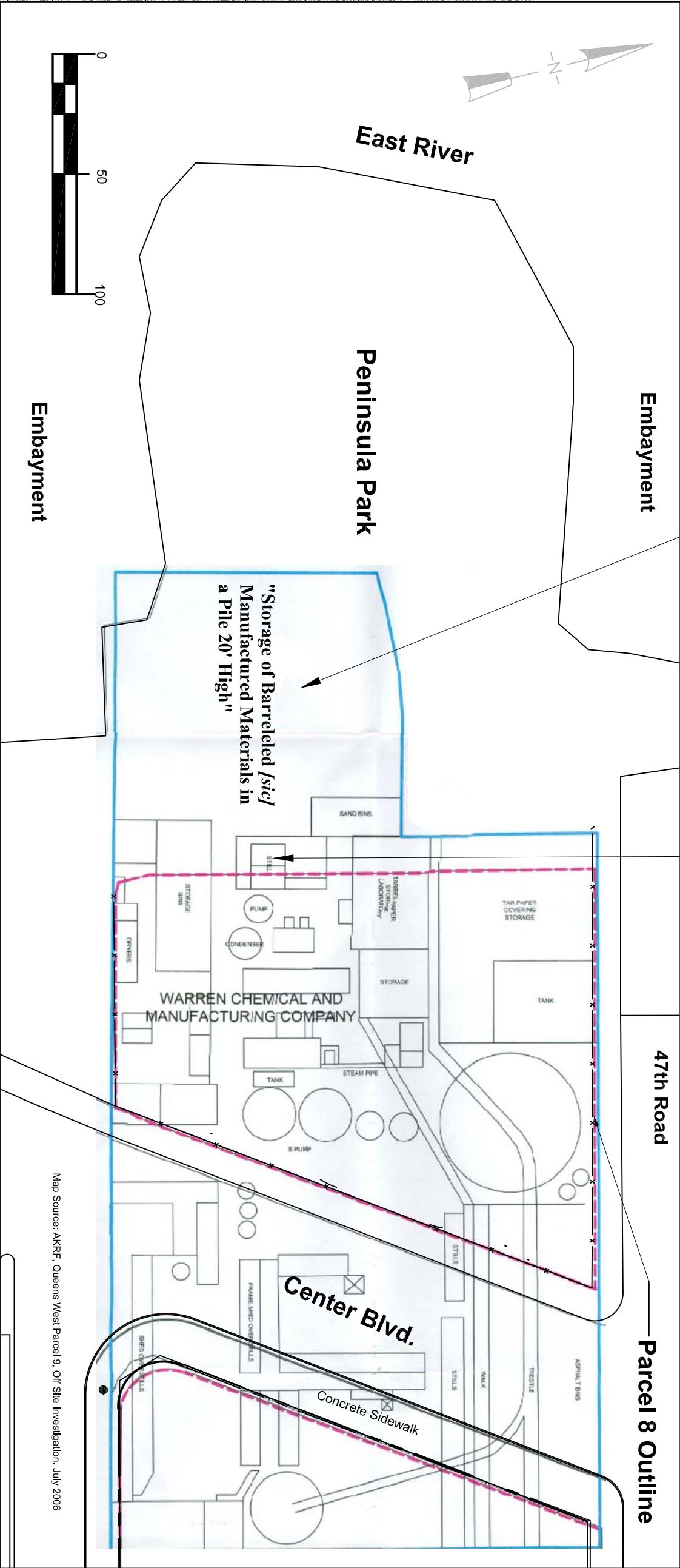
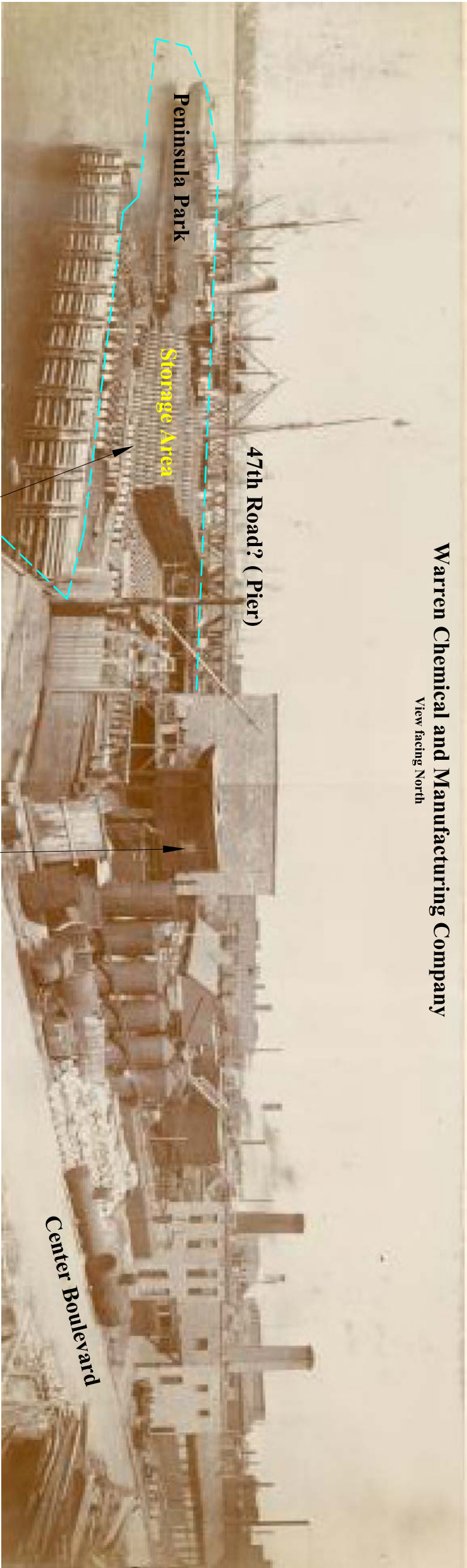


FIGURE 5

Historical Representation of Parcel 8 and Surrounding Areas, 1855-2003

LEGEND



Environmental Management & Consulting

158 West 29th Street, 9th Fl.
New York, NY 10001

QWD- Parcel 8
Long Island City, NY
BCP Site No. C241087

FIGURE 6

HISTORICAL
PHOTOGRAPH AND
SITE LAYOUT

Date
April 2009

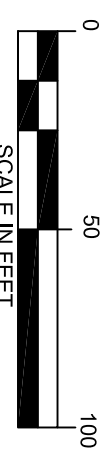
Project Number
10011-007-1

LEGEND

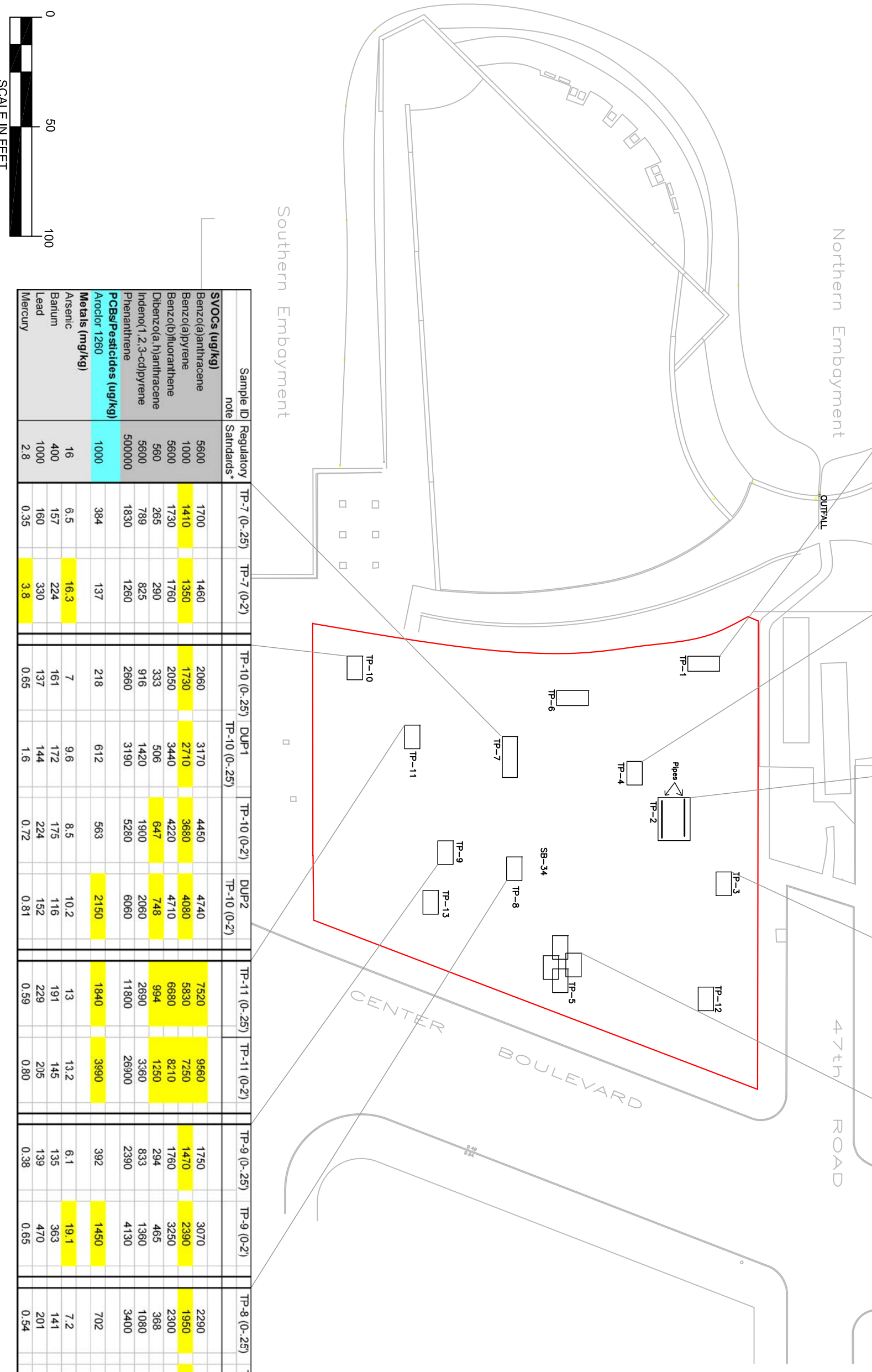
Note:

This photograph is believed to have been taken prior to 1907 because the Queensboro Bridge is absent looking north.

Sample ID note	Regulatory Satndards*	TP-1 (0-.25)	TP-1 (0-2)	TP-4 (0-0.25)	TP-4 (0-2)	TP-2 (0-.25)	TP-2 (0-2)	TP-3 (0-.25)	TP-3 (0-2)	TP-5 (0-0.25)	TP-5 (0-2)	TP-5D
SVOCs (ug/kg)												
Benzo(a)anthracene	5600	1790	2080	4900	4070	12600	13700	9120	28600	13500	20300	24700
Benzo(a)pyrene	1000	2190	2500	5490	4910	14100	14600	9470	25700	6280	7040	11000
Benzo(b)fluoranthene	5600	2320	2780	5150	4800	11500	12900	9510	30900	7680	8340	10800
Dibenzo(a,h)anthracene	560	811	866	1300	1380	2690	3230	1930	2690	1440	1470	2060
Indeno(1,2,3-cd)pyrene	5600	1220	1400	2990	2720	7270	8550	4950	14800	3170	3080	5190
Phenanthrene	500000	2090	2150	8170	5590	15900	23000	16400	50300	365000	809000	745000
PCBs/Pesticides (ug/kg)												
Aroclor 1260	1000	116	329	235	52.1	145	8.2	91.5	58.9	63	90.2	7.6
Metals (mg/kg)												
Arsenic	16	8.4	8.3	7.1	8.6	9	9.9	10.8	14.9	6.9	5.6	5.1
Barium	400	112	149	155	382	159	168	273	450	71.3	56.5	45.3
Lead	1000	116	178	439	1470	193	97.3	284	501	87.6	68.0	54.8
Mercury	2.8	0.53	0.56	1	1.2	0.7	0.50	2.9	2.2	4.3	2.7	2.9



Sample ID note	Regulatory Satndards*	TP-7 (0-.25)	TP-7 (0-2)	TP-10 (0-.25)	DUP1 TP-10 (0-.25)	TP-10 (0-2)	DUP2 TP-10 (0-2)	TP-11 (0-.25)	TP-11 (0-2)	TP-9 (0-.25)	TP-9 (0-2)	TP-8 (0-.25)	TP-8 (0-2)
SVOCs (ug/kg)													
Benzo(a)anthracene	5600	1700	1460	2060	3170	4450	4740	7520	9560	1750	3070	2290	2820
Benzo(a)pyrene	1000	1410	1350	1730	2710	3680	4080	5830	7250	1470	2390	1950	2740
Benzo(b)fluoranthene	5600	1730	1760	2050	3440	4220	4710	6680	8210	1760	3250	2300	3350
Dibenzo(a,h)anthracene	560	265	290	333	506	647	748	994	1250	294	465	368	523
Indeno(1,2,3-cd)pyrene	5600	789	825	916	1420	1900	2060	2690	3360	833	1360	1080	1610
Phenanthrene	500000	1830	1260	2660	3190	5280	6060	11800	26900	2390	4130	3400	2890
PCBs/Pesticides (ug/kg)													
Aroclor 1260	1000	384	137	218	612	563	2150	1840	3990	392	1450	702	275
Metals (mg/kg)													
Arsenic	16	6.5	16.3	7	9.6	8.5	10.2	13	13.2	6.1	19.1	7.2	6.9
Barium	400	157	224	161	172	175	116	191	145	135	363	141	119
Lead	1000	160	330	137	144	224	152	229	205	139	470	201	227
Mercury	2.8	0.35	3.8	0.65	1.6	0.72	0.81	0.59	0.80	0.38	0.65	0.54	0.90



Environmental Management & Consulting

158 West 29th Street, 9th Fl
New York, NY 10001

Queens West Development
Parcel 8
BCP Site No. C241087

FIGURE 7

Soil Exceeding
SCOs in
Surface and
Shallow Soils

Date
April 2009

Project Number
10011-007-1

LEGEND

- Parcel 8 Boundary
- Test Pit Locations and
Approximate Size

Notes:
*Values listed above are 6 NYCRR Table 375-6.8(b) Restricted Use Soil Cleanup Objectives (RUSCOs) for Commercial Facilities. Exceedances denoted in yellow highlight. Values reported in micrograms per kilogram except for metals, which are reported in milligrams per kilogram.
No VOCs were in exeedence of standrds
Test Pit locations are surveyed; sizes are approximate and not to scale.

Queens West Development Parcel 8 BCP Site No. C241087

FIGURE 8

Soil Exceeding Part 375 Commercial SCOs in Soil Borings

Date
April 2009

Project Number
10011-007-1

LEGEND

- EXISTING SOIL BORING / MONITORING WELL (WATER)
- EXISTING TRC MONITORING WELL
- TRC SAMPLING LOCATION
- RESULT NOT AVAILABLE
- ESTIMATED VALUE
- NOT DETECTED
- DETECTED IN BLANKS
- EMRP CELL CONCENTRATION
- SOIL CLEANUP OBJECTIVE

NOTES

Cleanup criterion for evaluation of soil results based on New York State Brownfield Cleanup Program Restricted Use Soil Cleanup Objectives for Protection of Public Health in Commercial species

All concentrations are presented in micrograms per kilogram (µg/kg)

Inner band of soil results from source No.4

Data Source:

- TRC, Queens West Dev't Stage 2, 6, 2004
- TRC, Queens West Dev't Stage 2, 6, 2004
- TRC, Queens West Dev't Stage 2, 6, 2004
- TRC, Queens West Dev't Stage 2, 6, 2004

4TRC-GP12 1&2	(8-10)
SVOCs	
Benz(a)Anthracene	103,000
Benz(a)Pyrene	93,000
Chrysene	111,000
Indeno(1,2,3-cd)pyrene	51,300

TRC-GP9C 1&2	(12-14)	GP9C(12-14)
SVOCs		
Benz(a)Anthracene	62,600	317,000
Benz(a)Pyrene	239,000	239,000
Benz(b)Fluoranthene	55,200	294,000
Chrysene		247,000
Fluoranthene		868,000
Indeno(1,2,3-cd)pyrene		1,650,000
Naphthalene		1,460,000
Pyrene		729,000

OW-SB-8 3	(5-7)
SVOCs	
Benz(a)Anthracene	18000
Benz(a)Pyrene	17000
Benz(b)Fluoranthene	19000
Benz(k)Fluoranthene	7100
Chrysene	20000
Dibenz(a,h)anthracene	34000(J)
Indeno(1,2,3-cd)pyrene	11000

OW-SB-18 3	(6-5)	(12-14)
SVOCs		
Benz(a)Anthracene	27,000	
Benz(a)Pyrene	23,000	
Benz(b)Fluoranthene	30,000	
Dibenz(a,h)anthracene	2,300(J)	
Naphthalene		720,000(B)

OW-SB-22 2	(2-4)
SVOCs	
Benz(a)Anthracene	6,800
Benz(a)Pyrene	6,200
Benz(b)Fluoranthene	8,200

OW-SB-19 3	(6-5)	(25-28)
SVOCs		
Benz(a)Anthracene	30,000	21,000(J)
Benz(a)Pyrene	26,000	
Benz(b)Fluoranthene	32,000	
Dibenz(a,h)anthracene	2,800(J)	
Indeno(1,2,3-cd)pyrene	14,000	
Naphthalene		590,000(B)

OW-SB-16 3	(2-4)	(17-19)
SVOCs		
Benz(a)Anthracene	7100	
Benz(a)Pyrene	7000	2400(J)
Benz(b)Fluoranthene	8100	
Dibenz(a,h)anthracene	1000(J)	

OW-SB-20 3	(4-5)	(25-30)
SVOCs		
Benz(a)Anthracene	20,000	16,000(J)
Benz(a)Pyrene	16,000	
Benz(b)Fluoranthene	21,000	
Dibenz(a,h)anthracene	2,000(J)	
Fluorene		87,000
Indeno(1,2,3-cd)pyrene	7,900	
Naphthalene		570,000(B)

BBB2 1	(5-7)
SVOCs	
Benz(a)Anthracene	274,000
Benz(a)Pyrene	218,000
Benz(b)Fluoranthene	225,000
Benz(k)Fluoranthene	92,000
Chrysene	253,000
Fluoranthene	628,000
Indeno(1,2,3-cd)pyrene	118,000
Pyrene	765,000
	544,000

Sample ID	SB-21-14	SB-21-14	SB-21-14	SB-21-14
Sample Date	11/12/2008	11/12/2008	11/12/2008	11/12/2008
Result Q	Result Q	Result Q	Result Q	Result Q
Benz(a)Anthracene	11600	11600	11600	11600
Benz(a)Pyrene	11600	11600	11600	11600
Benz(b)Fluoranthene	11600	11600	11600	11600
Benz(k)Fluoranthene	11600	11600	11600	11600
Chrysene	11600	11600	11600	11600
Fluoranthene	11600	11600	11600	11600
Indeno(1,2,3-cd)pyrene	11600	11600	11600	11600
Naphthalene	11600	11600	11600	11600
Pyrene	11600	11600	11600	11600
Asbestos	11600	11600	11600	11600
Copper	11600	11600	11600	11600

Sample ID	SB-21-14	SB-21-14	SB-21-14	SB-21-14
Sample Date	11/12/2008	11/12/2008	11/12/2008	11/12/2008
Result Q	Result Q	Result Q	Result Q	Result Q
Benz(a)Anthracene	11600	11600	11600	11600
Benz(a)Pyrene	11600	11600	11600	11600
Benz(b)Fluoranthene	11600	11600	11600	11600
Benz(k)Fluoranthene	11600	11600	11600	11600
Chrysene	11600	11600	11600	11600
Fluoranthene	11600	11600	11600	11600
Indeno(1,2,3-cd)pyrene	11600	11600	11600	11600
Naphthalene	11600	11600	11600	11600
Pyrene	11600	11600	11600	11600
Asbestos	11600	11600	11600	11600
Copper	11600	11600	11600	11600

Sample ID	SB-21-14	SB-21-14	SB-21-14	SB-21-14
Sample Date	11/12/2008	11/12/2008	11/12/2008	11/12/2008
Result Q	Result Q	Result Q	Result Q	Result Q
Benz(a)Anthracene	11600	11600	11600	11600
Benz(a)Pyrene	11600	11600	11600	11600
Benz(b)Fluoranthene	11600	11600	11600	11600
Benz(k)Fluoranthene	11600	11600	11600	11600
Chrysene	11600	11600	11600	11600
Fluoranthene	11600	11600	11600	11600
Indeno(1,2,3-cd)pyrene	11600	11600	11600	11600
Naphthalene	11600	11600	11600	11600
Pyrene	11600	11600	11600	11600
Asbestos	11600	11600	11600	11600
Copper	11600	11600	11600	11600

4TRC-GP11 1	(8-10)	(18-20)	(20-22)
SVOCs			
Benz(a)Anthracene	210,000		
Benz(a)Pyrene	78,2		67,6
Benz(b)Fluoranthene	210,000		
Benz(k)Fluoranthene	89,100		
Chrysene	72,100		
Benz(k)Fluoranthene	202,000		
Fluoranthene	577,000		
Indeno(1,2,3-cd)pyrene	105,000		
Pyrene	826,000		

TRC-BBA2 1	(15-17)
SVOCs	
Benz(a)Anthracene	176,000
Benz(a)Pyrene	144,000
Benz(b)Fluoranthene	148,000
Benz(k)Fluoranthene	58,800
Chrysene	528,000
Indeno(1,2,3-cd)pyrene	90,500
Naphthalene	4,030,000
Pyrene	922,000

TRC-GP13 1	(10-12)
SVOCs	
Pyrene	645,000

TRC-GP13W1 1	(18-20)
SVOCs	
Benz(a)Anthracene	84,000
Benz(a)Pyrene	79,000
Benz(b)Fluoranthene	84,100
Chrysene	80,200
Fluoranthene	171,000
Indeno(1,2,3-cd)pyrene	51,000

OW-SB-10 3	(7-9)	(17-19)
SVOCs		
Benz(a)Anthracene	7200	
Benz(a)Pyrene	4200	6000

OW-SB-15 3	(4-5)	(16-18)	(16-18)2
SVOCs			520000
Benz(a)Anthracene	90000		
Benz(a)Pyrene	90000		
Benz(b)Fluoranthene	120000		
Benz(k)Fluoranthene	33000		
Chrysene	82000		
Dibenz(a,h)anthracene	12000(J)	280000(J)	
Indeno(1,2,3-cd)pyrene	55000		
Naphthalene		2400000	11000000
Pyrene		550000(J)	500000(J)

OW-SB-13 5	(4-5)	(14-16)
SVOCs		
Benz(a)Anthracene	59000	
Benz(a)Pyrene	55000	
Benz(b)Fluoranthene	49000	
Chrysene	71000	
Dibenz(a,h)anthracene	7000(J)	
Indeno(1,2,3-cd)pyrene	30,000	
Naphthalene		4,100,000

OW-SB-9 3	(5-7)	(17-19)
SVOCs		
Benz(a)Anthracene	5400	
Benz(a)Pyrene	5900	
Benz(b)Fluoranthene		1,000,000
Naphthalene		

OW-SB-14 3	(7-9)	(14-16)
SVOCs		
Benz(a)Anthracene	460000	56000(J)
Benz(a)Pyrene	240000	
Benz(b)Fluoranthene	340000	
Benz(k)Fluoranthene	220000(J)	
Chrysene	440000	
Dibenz(a,h)anthracene	28000(J)	
Indeno(1,2,3-cd)pyrene	1450000	
Naphthalene	1500000	
Pyrene	1300000	

OW-SB-17 1	(1-3)	(25-27)
SVOCs		
Benz(a)Anthracene	5800	11000(J)
Benz(a)Pyrene	7100	
Benz(b)Fluoranthene		

OW-SB-7 3	(7-9)	(17-19)
SVOCs		
Benz(a)Anthracene	15,000	23000(J)
Benz(a)Pyrene	14,000	17000(J)
Benz(b)Fluoranthene		18000(J)

OW-SB-6 3	(5-7)	(15-17)
SVOCs		
Benz(a)Anthracene	28000(J)	
Benz(a)Pyrene	3,400	
Benz(b)Fluoranthene	760(J)	
Dibenz(a,h)anthracene		930,000
Naphthalene		830,000

OW-SB-5 3	(5-7)	
SVOCs		
Benz(b)Fluoranthene	8,500	
Benz(a)Pyrene	3,900	
Benz(k)Fluoranthene	9,900	
Chrysene		5,600
Dibenz(a,h)anthracene		
Indeno(1,2,3-cd)pyrene		

OW-SB-23 3	(6-8)	(20-22)
SVOCs		
Benz(a)Anthracene	29,000	
Benz(a)Pyrene	34,000	
Benz(b)Fluoranthene	30,000(J)	
Chrysene	16,000	
Dibenz(a,h)anthracene		
Indeno(1,2,3-cd)pyrene		

OW-SB-3 3	(5-7)	(11-13)
SVOCs		
Benz(a)Anthracene	2,200	97,000(J)
Benz(a)Pyrene	2,200	61000(J)
Benz(b)Fluoranthene		77,000(J)
Chrysene		87,000(J)
Dibenz(a,h)anthracene		49000(J)
Indeno(1,2,3-cd)pyrene		820000
Naphthalene		

OW-SB-1 3	(9-11)	(25-27)
SVOCs		
Acenaphthene		
Benz(a)Anthracene	61000	
Benz(a)Pyrene	59,000(J)	
Benz(b)Fluoranthene	4,200	
Chrysene		
Dibenz(a,h)anthracene	930(J)	
Fluoranthene		510000

OW-SB-24 3	(6-8)	(18-20)
SVOCs		
Benz(a)Anthracene	88,000	17,000(J)
Benz(a)Pyrene	71,000	4,900(J)
Benz(b)Fluoranthene	83,000	
Benz(k)Fluoranthene	89,000	
Chrysene	7,300(J)	
Dibenz(a,h)anthracene	31,000	
Indeno(1,2,3-cd)pyrene		
Naphthalene		510,000

Sample ID	SB-21-14	SB-21-14	SB-21-14	SB-21-14
Sample Date	11/12/2008	11/12/2008	11/12/2008	11/12/2008
Result Q	Result Q	Result Q	Result Q	Result Q
Benz(a)Anthracene	8100	8100	8100	8100
Benz(a)Pyrene	8100	8100	8100	8100
Benz(b)Fluoranthene	8100	8100	8100	8100
Benz(k)Fluoranthene	8100	8100	8100	8100
Chrysene	8100	8100	8100	8100
Fluoranthene	8100	8100	8100	8100
Indeno(1,2,3-cd)pyrene	8100	8100	8100	8100
Naphthalene	8100	8100	8100	8100
Pyrene	8100	8100	8100	8100
Asbestos	8100	8100	8100	8100
Copper	8100	8100	8100	8100

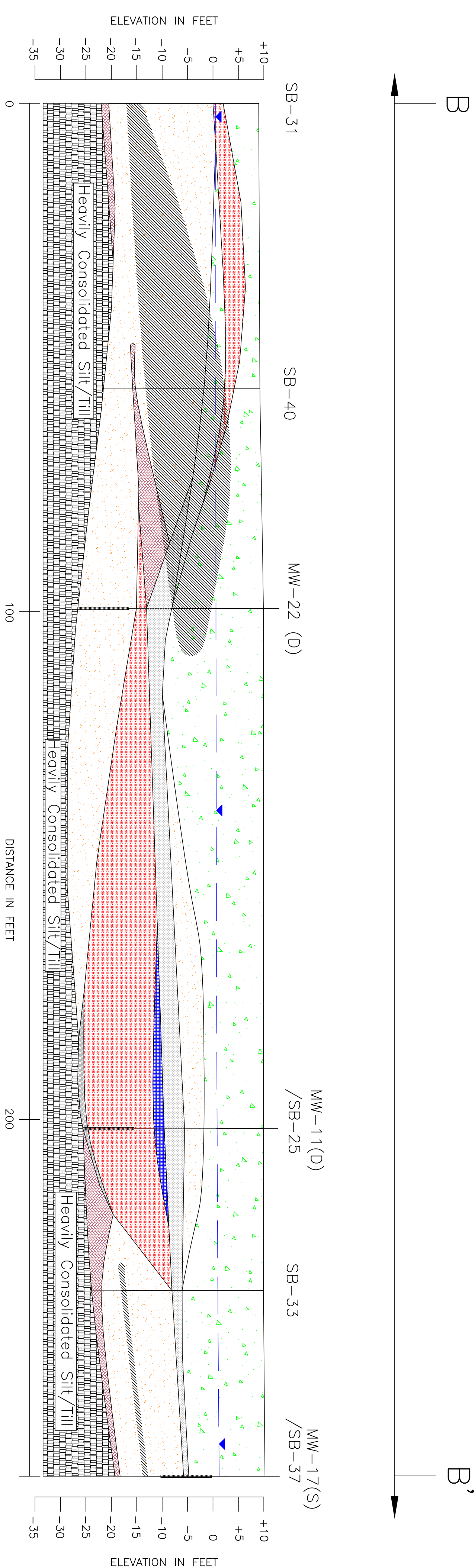
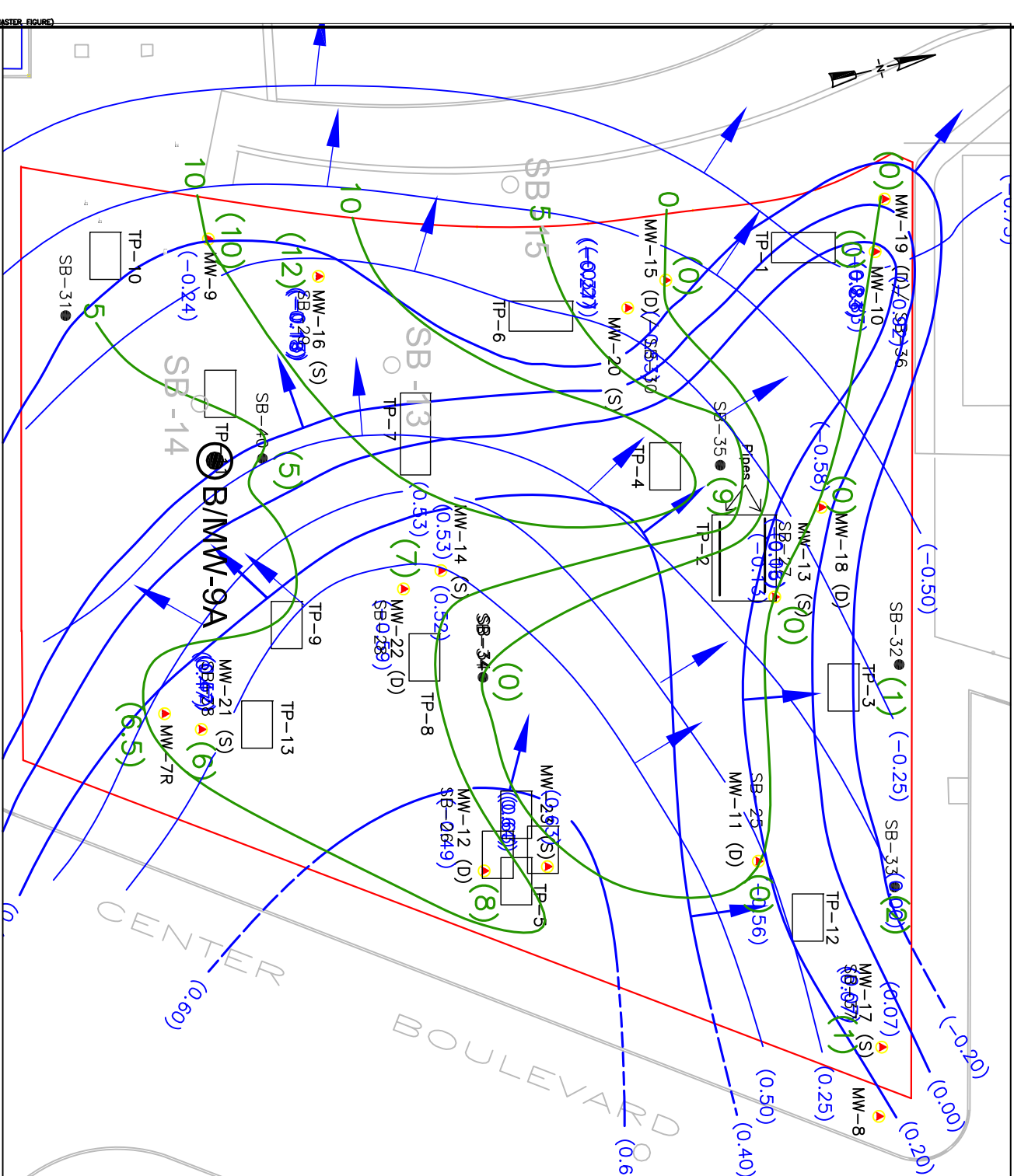
Sample ID	SB-21-14	SB-21-14	SB-21-14	SB-21-14
Sample Date	11/12/2008	11/12/2008	11/12/2008	11/12/2008
Result Q	Result Q	Result Q	Result Q	Result Q
Benz(a)Anthracene	8100	8100	8100	8100
Benz(a)Pyrene	8100	8100	8100	8100
Benz(b)Fluoranthene	8100	8100	8100	8100
Benz(k)Fluoranthene	8100	8100	8100	8100
Chrysene	8100	8100	8100	8100
Fluoranthene	8100	8100	8100	8100
Indeno(1,2,3-cd)pyrene	8100	8100	8100	8100
Naphthalene	8100	8100	8100	8100
Pyrene	8100	8100	8100	8100
Asbestos	8100	8100	8100	8100
Copper	8100	8100	8100	8100

FIGURE 9

Date
April 2009

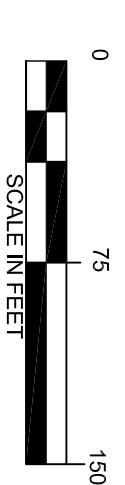
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-
- The diagram shows a vertical sediment core with several layers. From top to bottom, the layers are: a thin white layer labeled "Coarse sand with gravel, brick, and/or concrete - FULL"; a yellow layer labeled "Coarse sand"; a red layer labeled "Coarse sand with silts"; a blue layer labeled "Silt"; a grey layer labeled "Silty clay"; a dark grey layer labeled "Coarse sand with gravel"; a light grey layer labeled "Rock"; and a dark grey layer labeled "Observed NAPL". A blue line indicates the "Groundwater elevation measured on January 5, 2009". To the left of the core is a scale bar labeled "2-inch diameter polyvinyl chloride (PVC) or steel well screen".



(0) Vertical non-aqueous phase liquid (NAPL) thickness observed during soil boring installation. Thickness in feet.

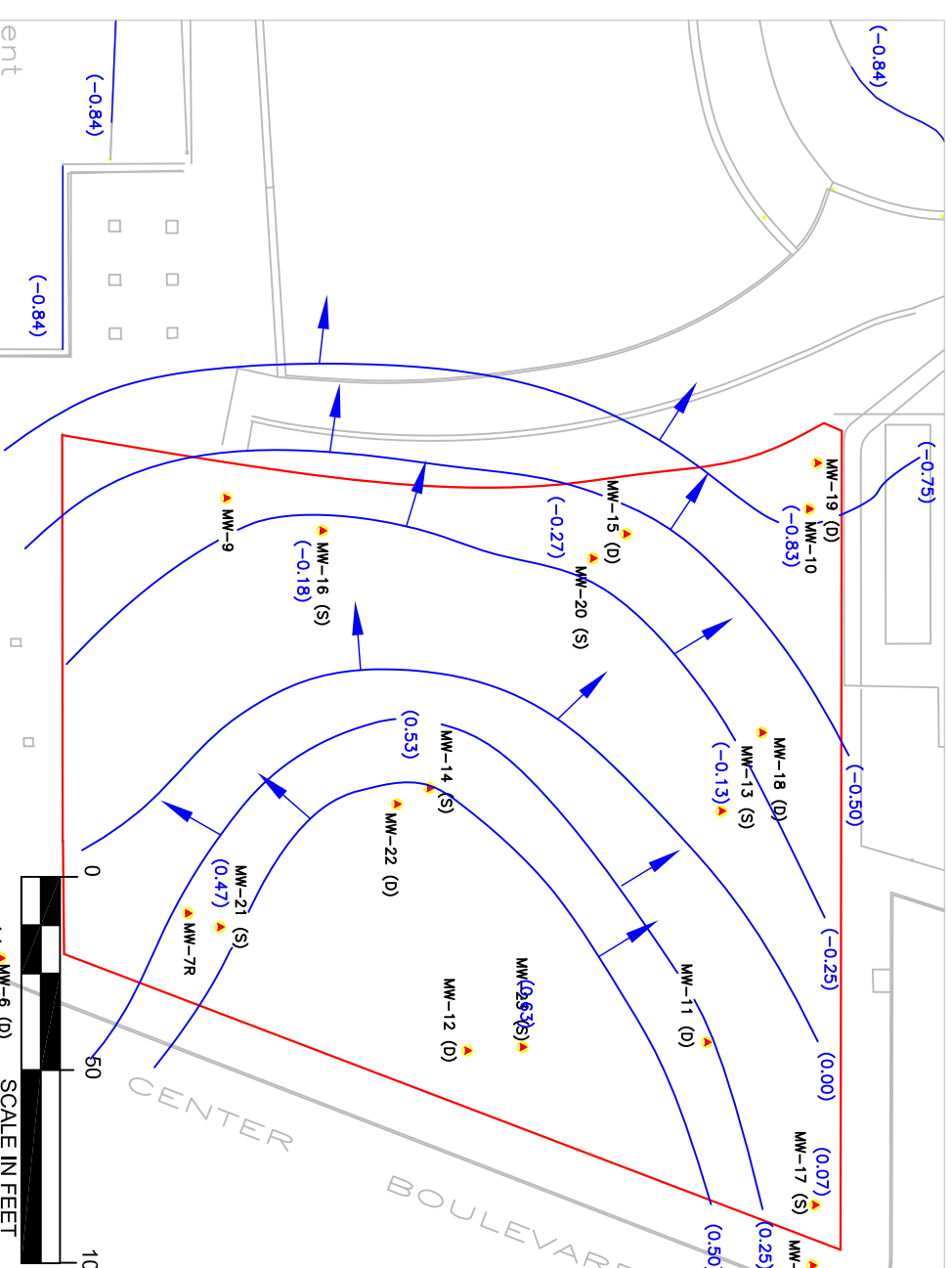
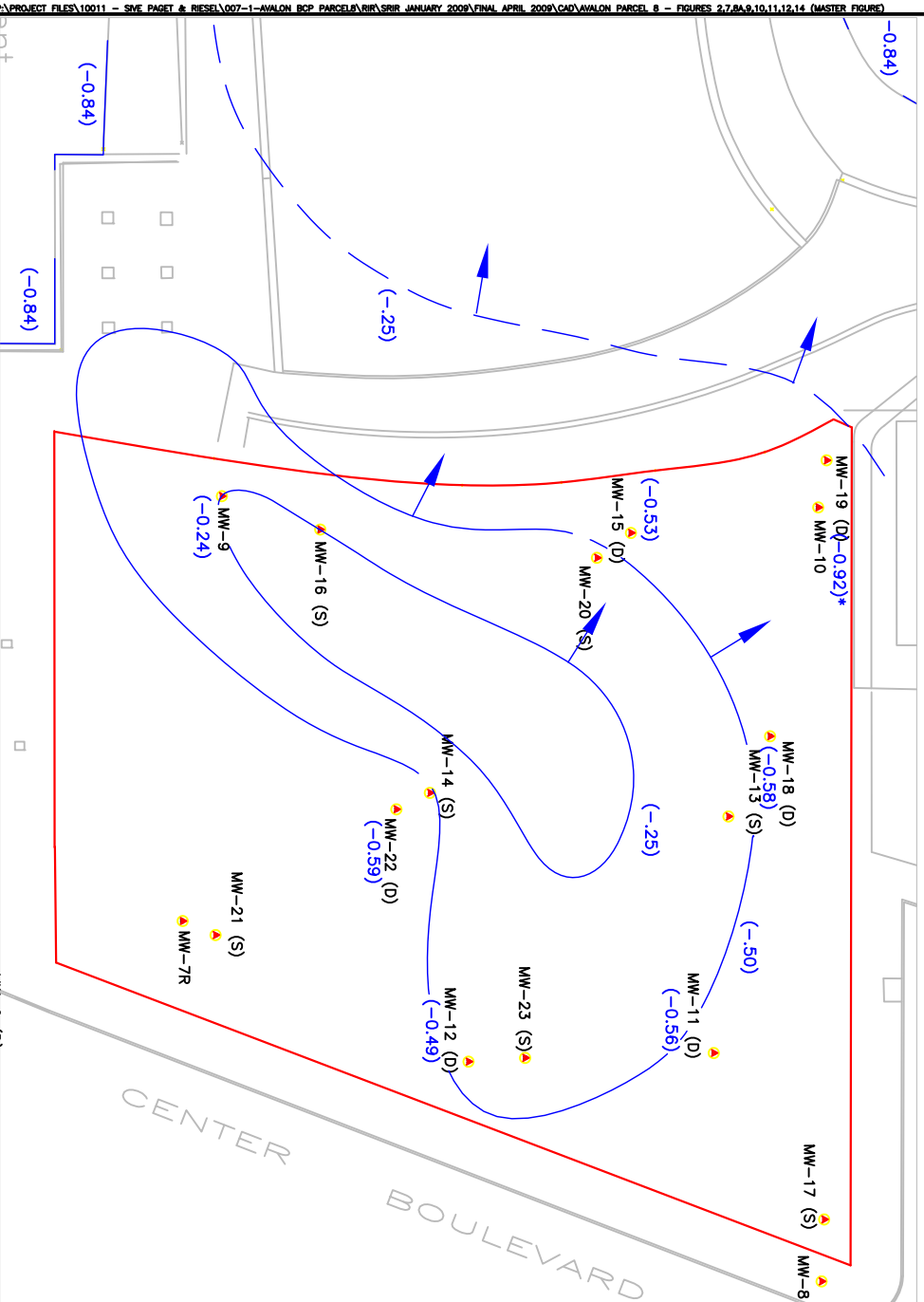
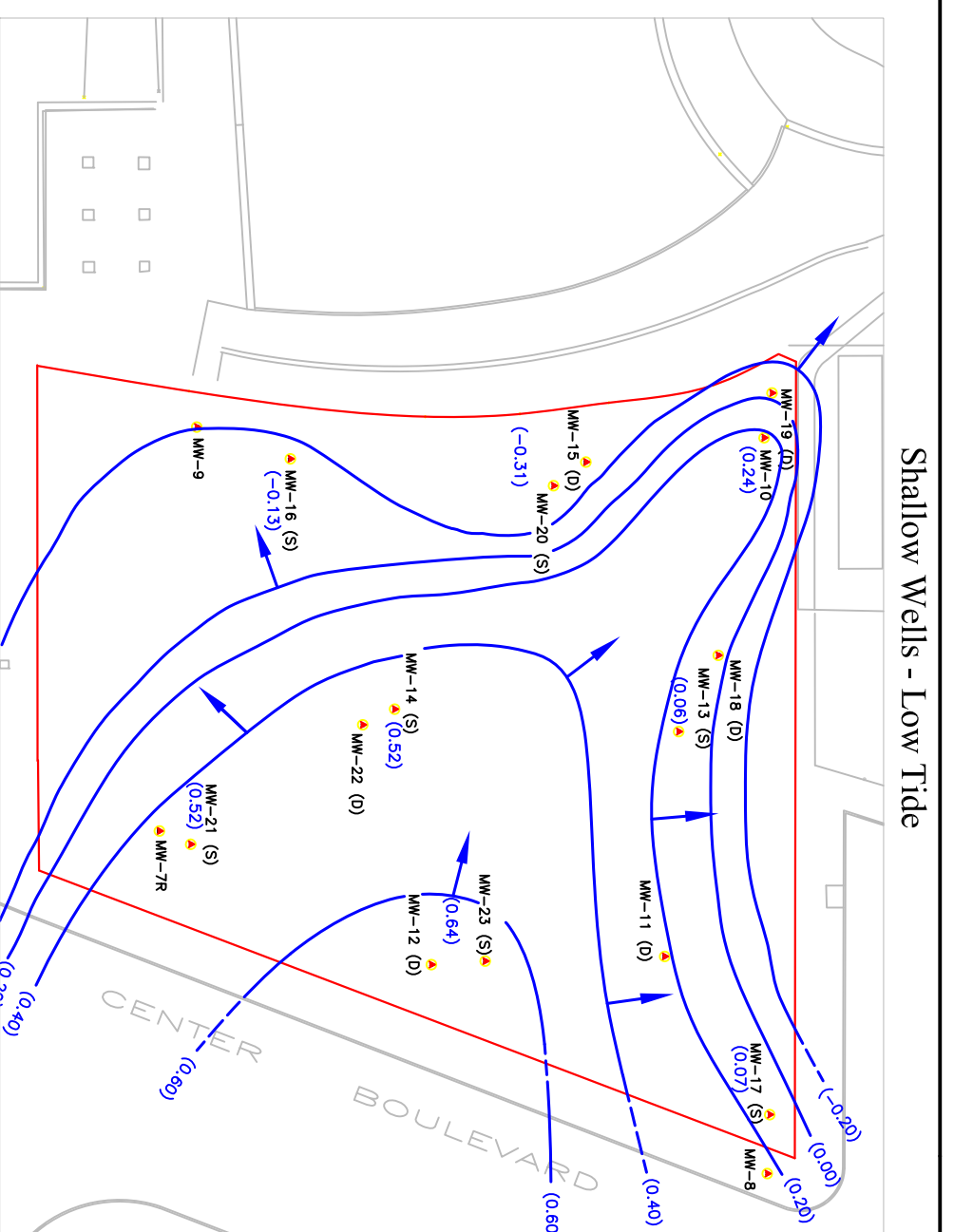
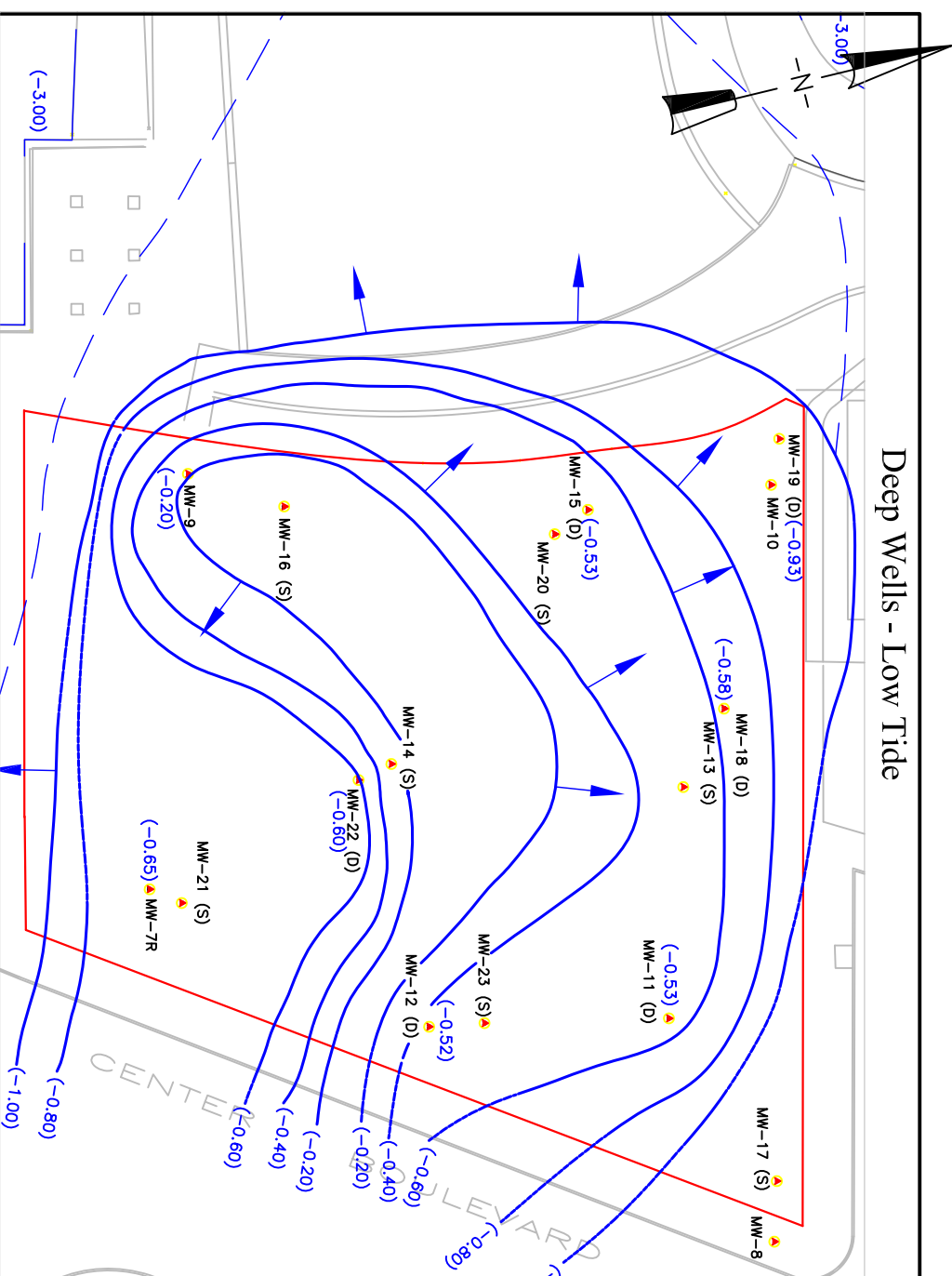
— NAPL thickness contour line, units in feet



NOTES:
Elevations in reference to Borough of Queens Topographical Bureau Datum.

Top of Casing (TOC) and land surface measurements surveyed by Montrose Surveying Co., LLP. Groundwater elevation measurements collected on January 5, 2008 during a low tide event. Cross-sections parallel to general direction of groundwater flow, toward the west.





**Fleming
Lee-Shue**

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New York, NY 10001**

**Queens West Development
Parcel 8
BCP Site No. C241087**

FIGURE 10

Groundwater Contour Maps Shallow and Deep

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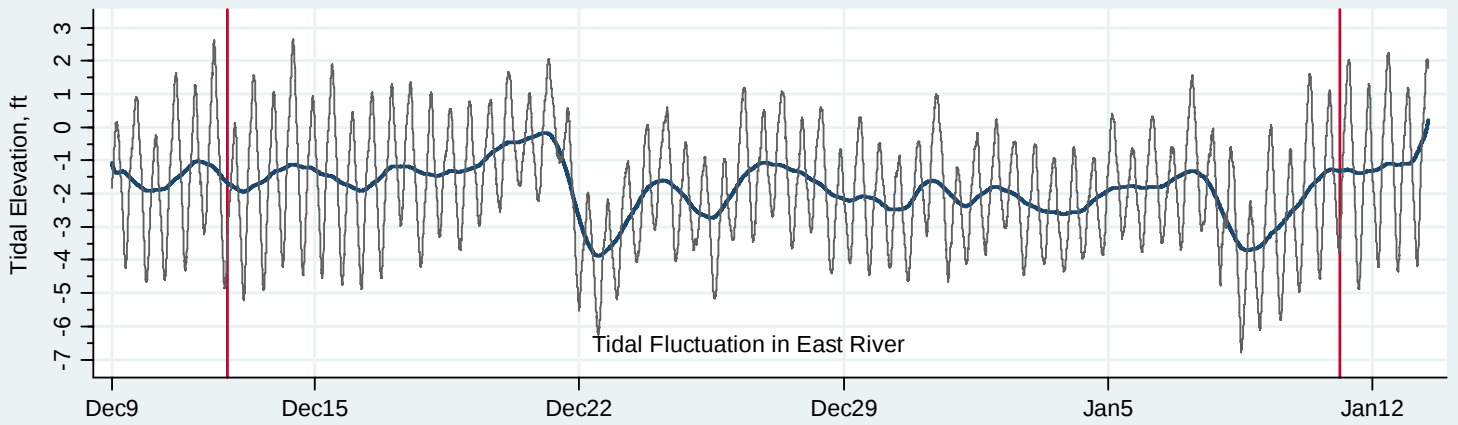
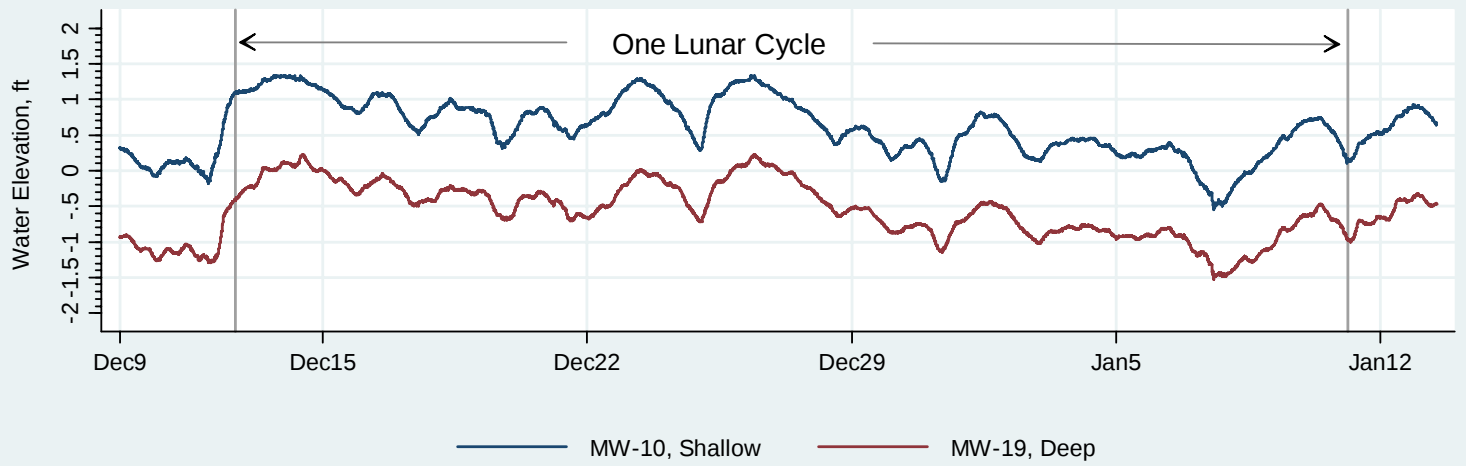
- Parcel 8 Boundary
- Groundwater Monitoring Well MW-7R
- (-0.52) Groundwater Elevation
- Equipotential Elevation Line
- Groundwater Elevation (gashed where inferred)
- Groundwater Flow Direction

NOTES

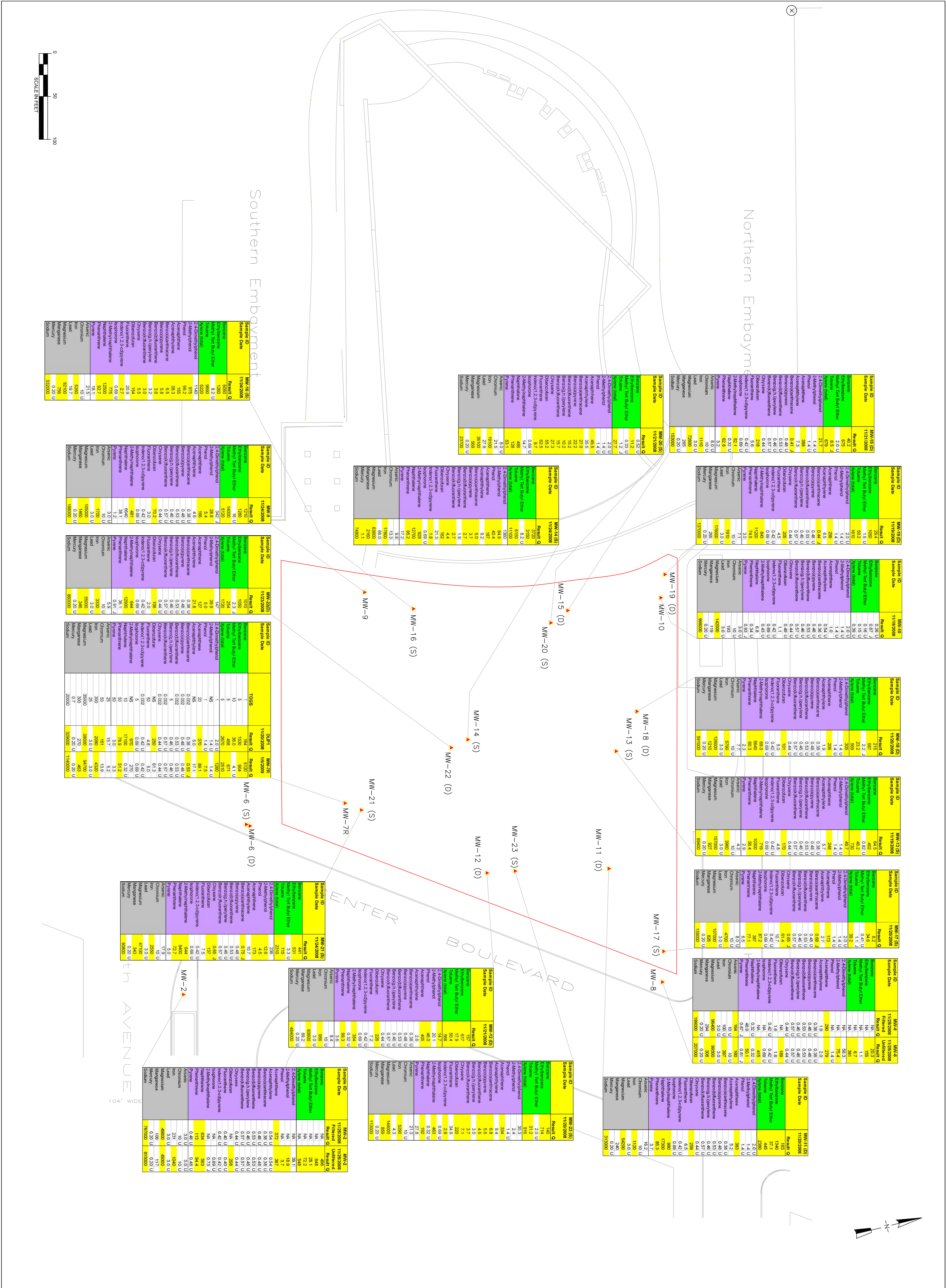
* Not used for contour generation;
spurious data

All groundwater elevations measured on January 5, 2009 and in reference to the Queens Topographical Bureau Datum

Figure 11 – Tidal Fluctuations



Elevations in Queens Borough Datum



Queens West Development Parcel 8 BCP Site No. C241087

FIGURE 12

Groundwater Exceeding TOGS 1.1.1. Class GA Standards

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Parcel 8 Boundary
Groundwater Monitoring Well

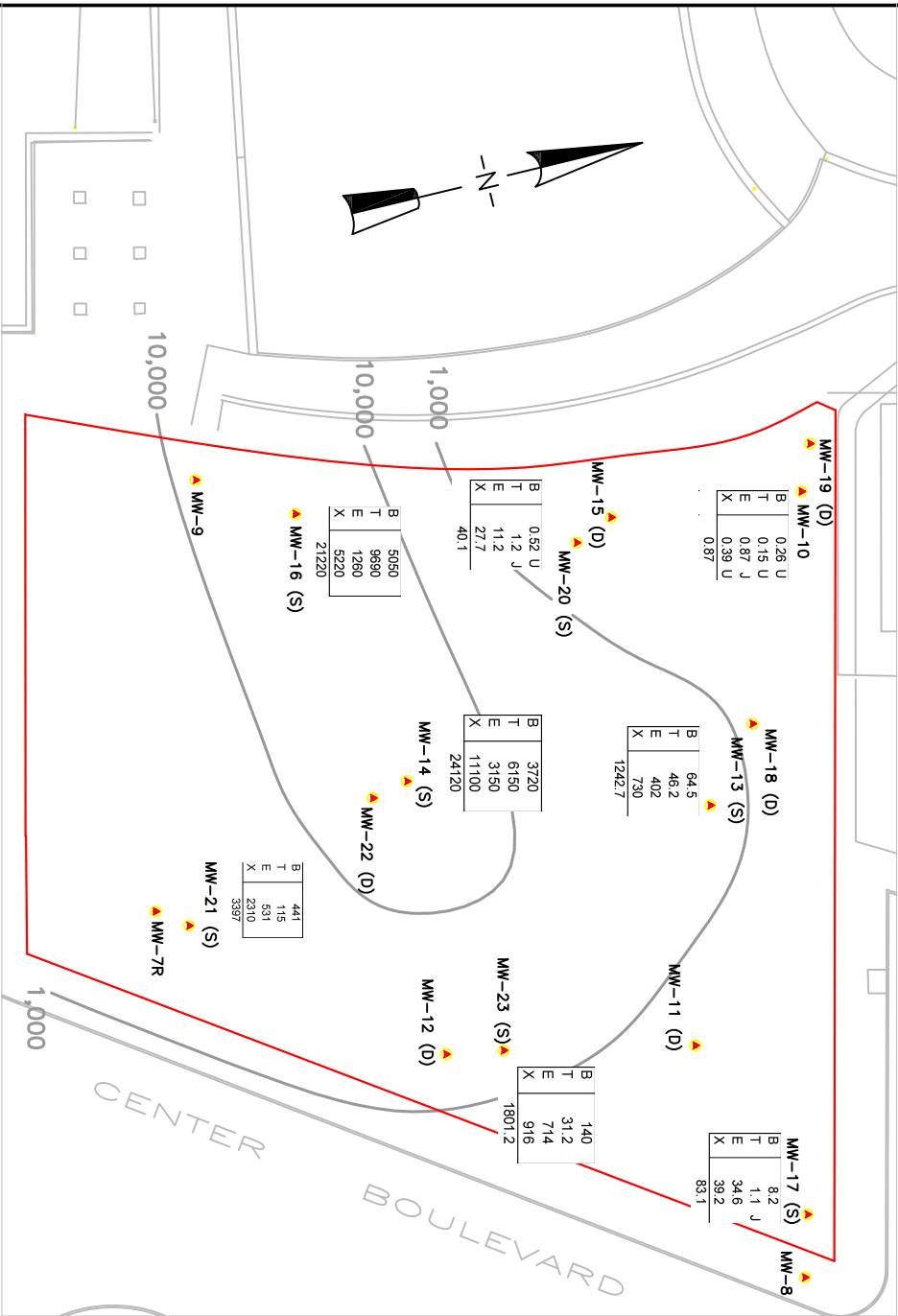
Notes:
Values listed above are TOGS Series
1.1.1 for Class GA Groundwater.
Highlight: Values reported in micrograms
per liter.

Fleming Lee-Shine

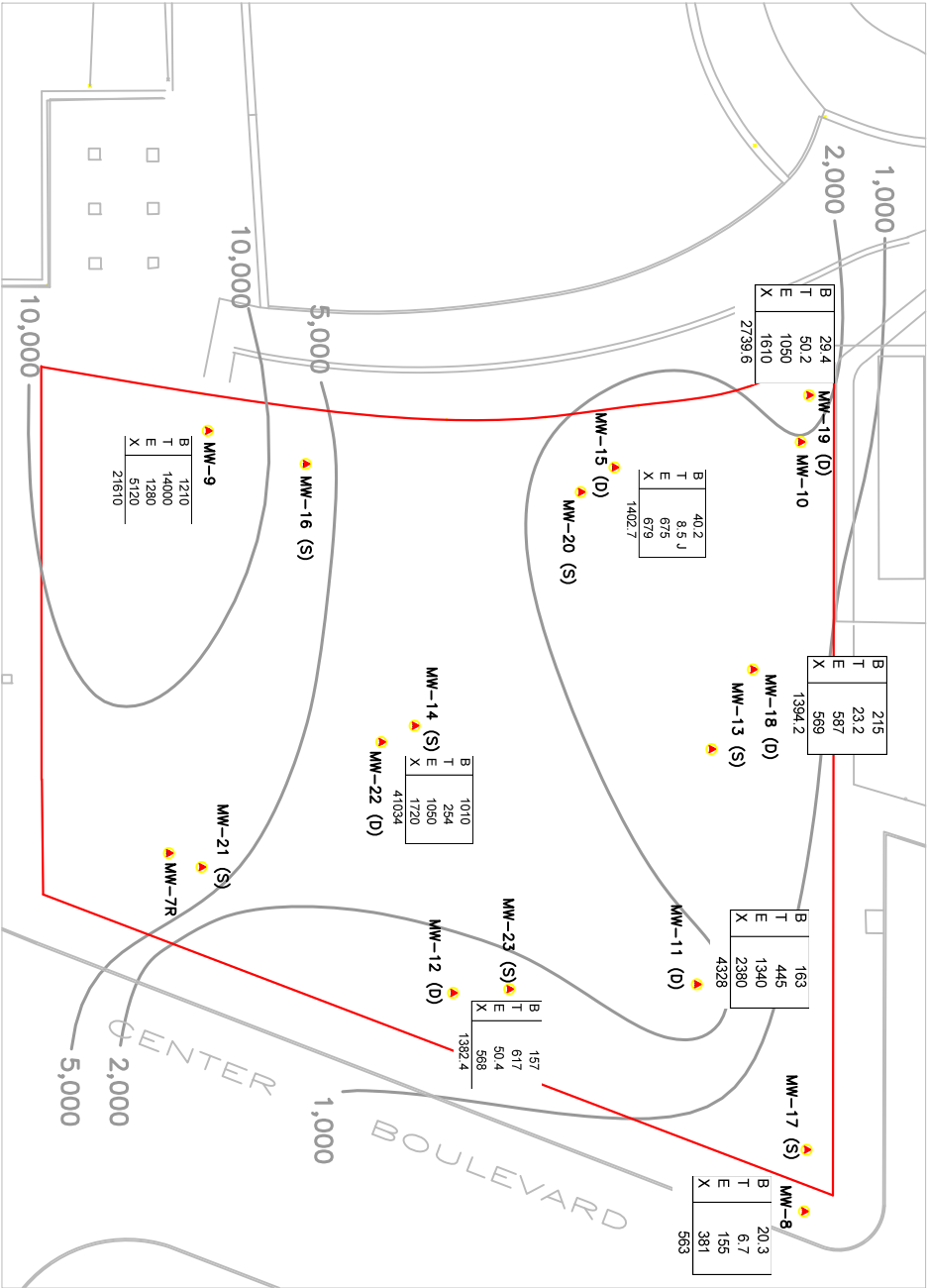
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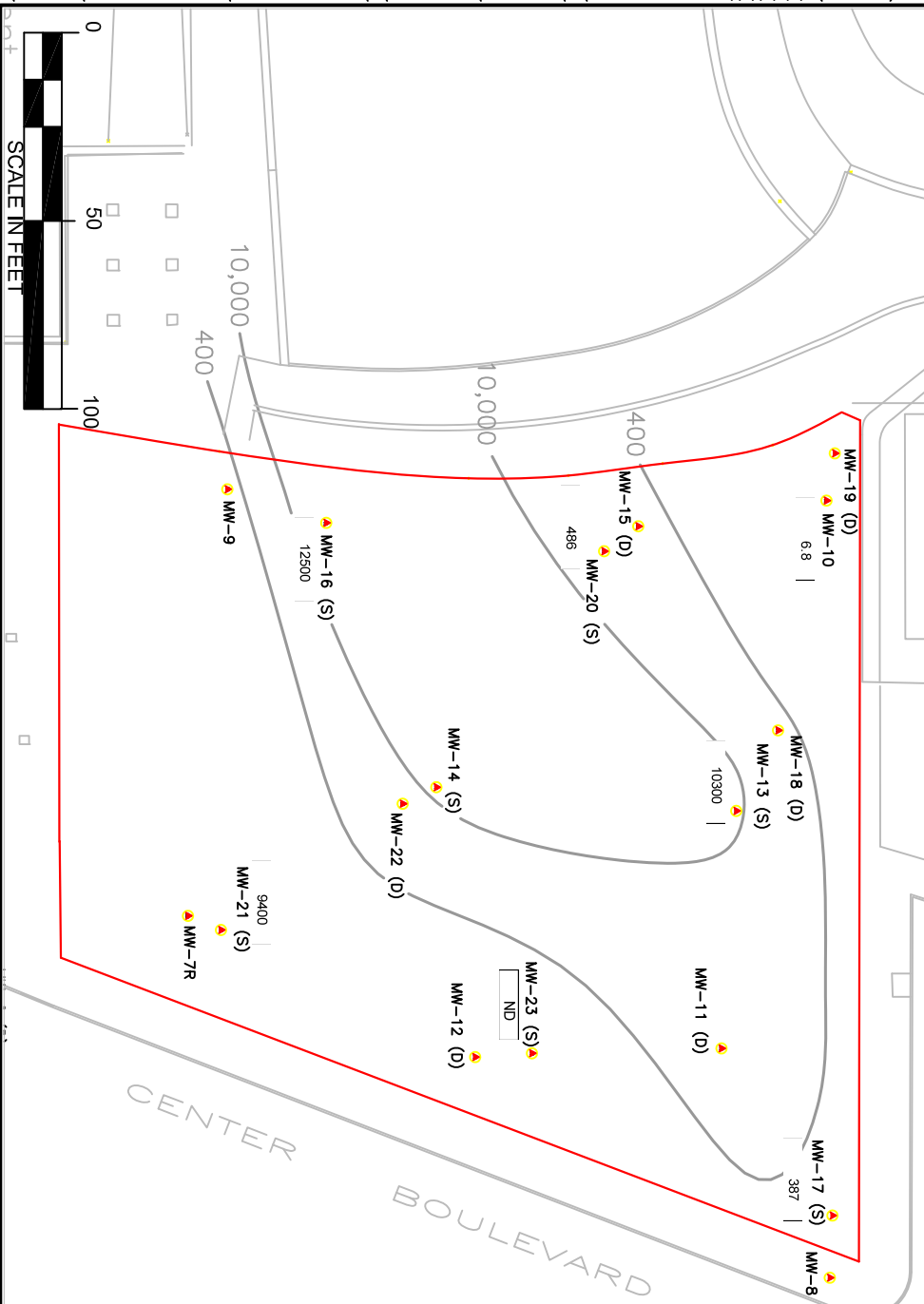
BTEX - Shallow Wells



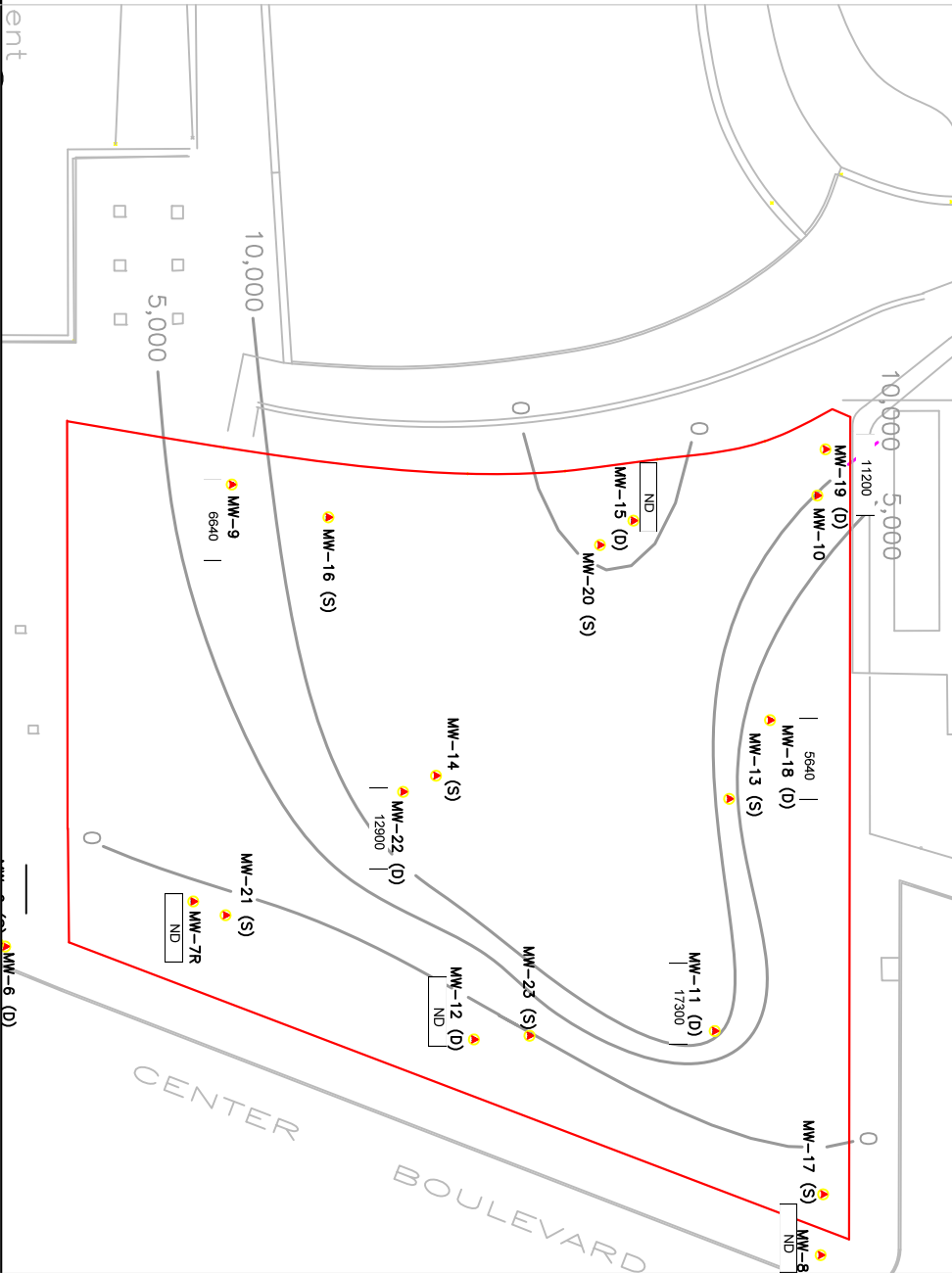
BTEX - Deep Wells



Naphthalene - Shallow Wells



Naphthalene - Deep Wells



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FIGURE 13

Isopleth Maps
for BTEX and
Naphthalene in
Groundwater

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Parcel 8 Boundary

MW-7R Groundwater Monitoring Well

Isopleth Contour

B	Benzene
T	Toluene
E	Ethylbenzene
X	Total Xylenes
	Total BTEX

NOTES
All values reported in micrograms per
liter (µg/L)
ND = non-detect

Figure 14A - BTEX in Groundwater, ug/L

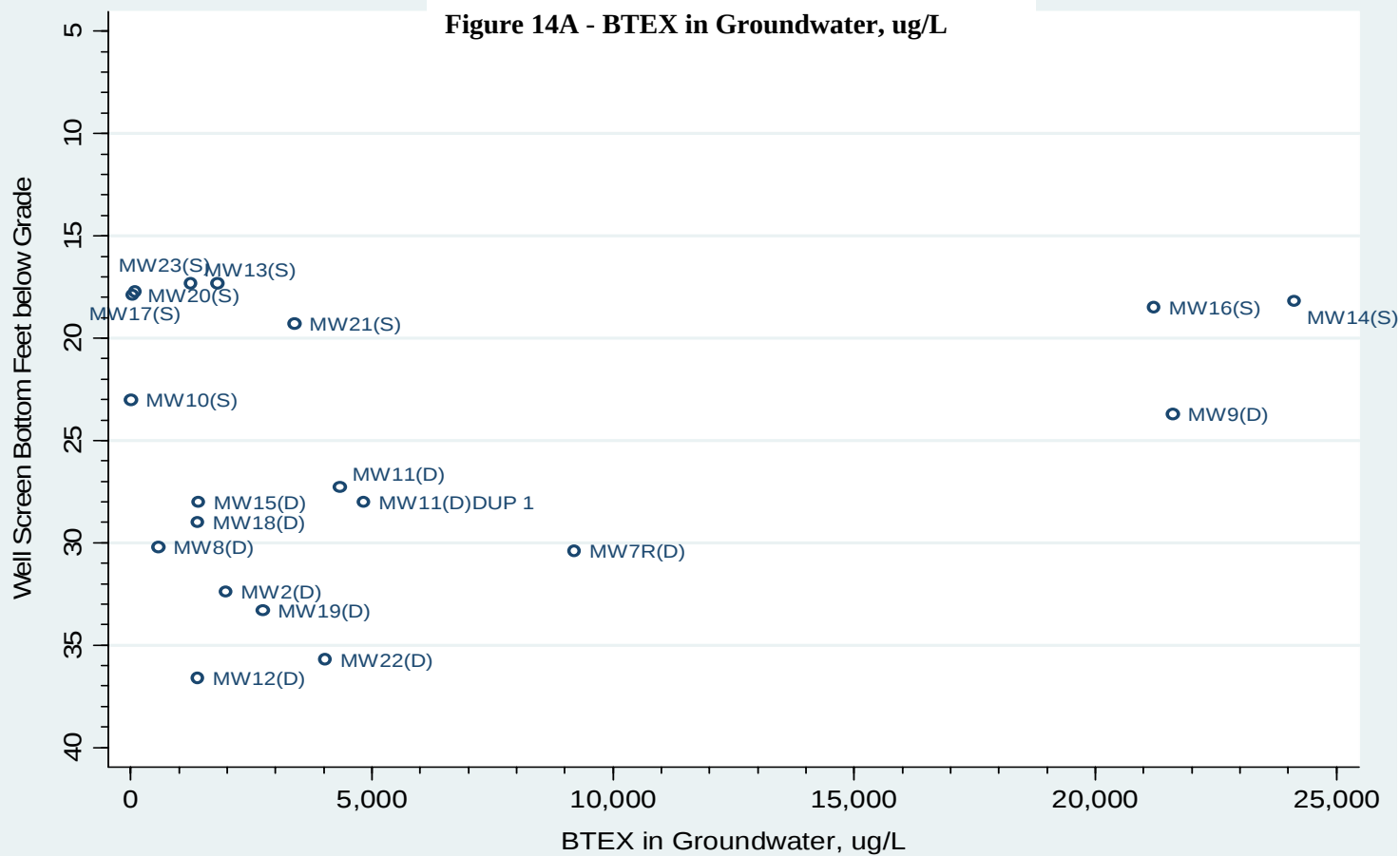
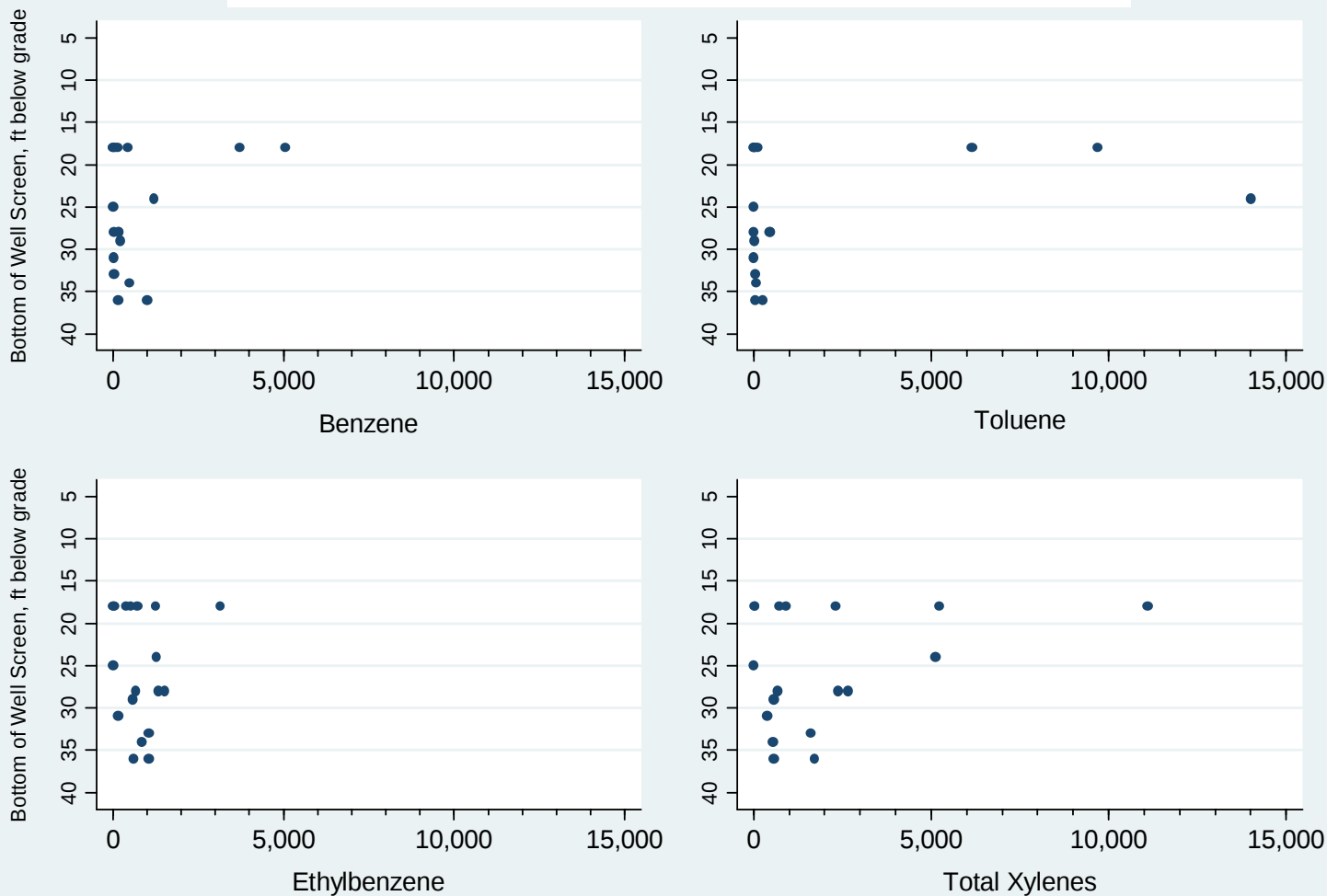


Figure 14B - Individual BTEX Compounds in Groundwater, ug/L



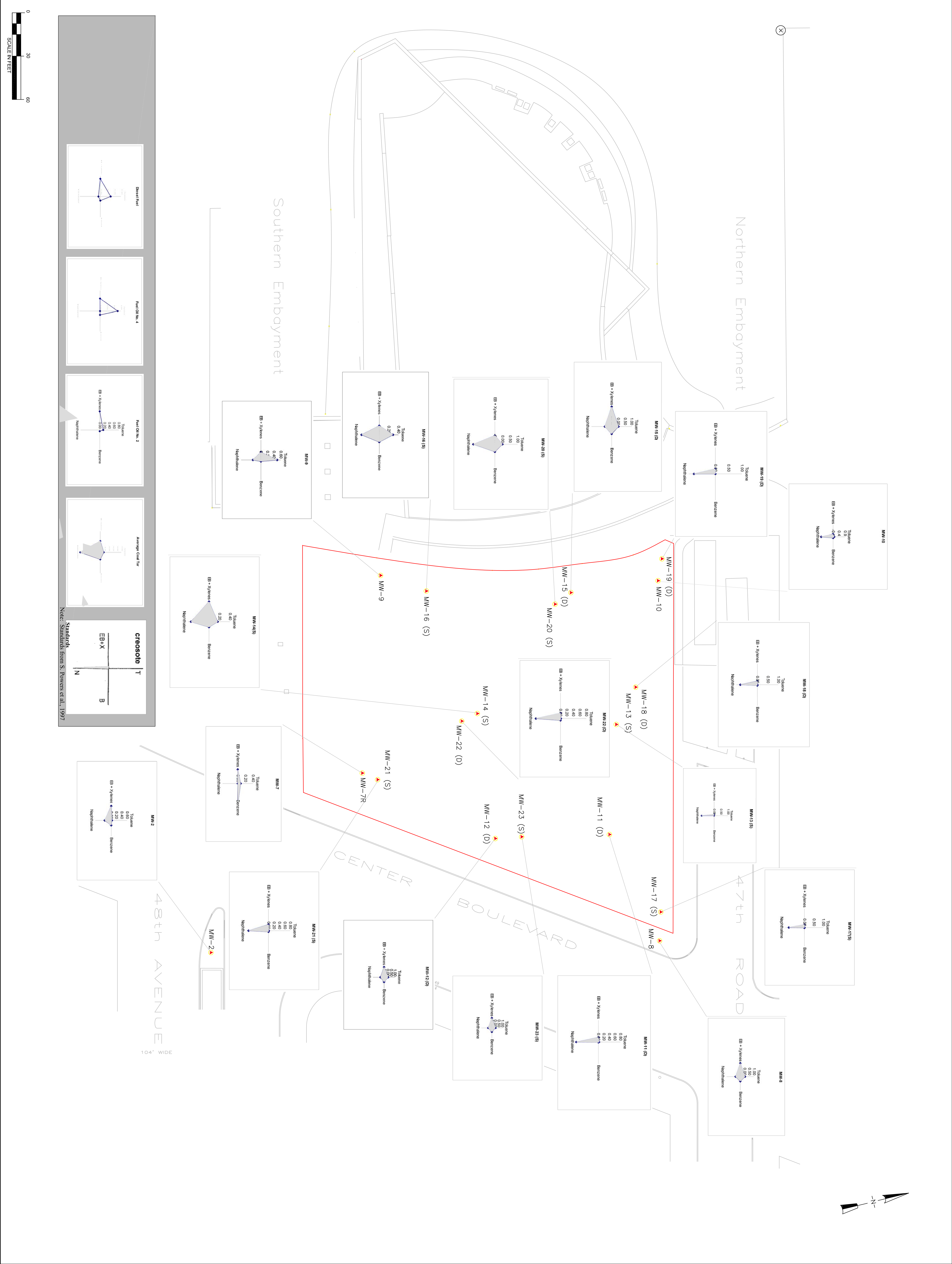
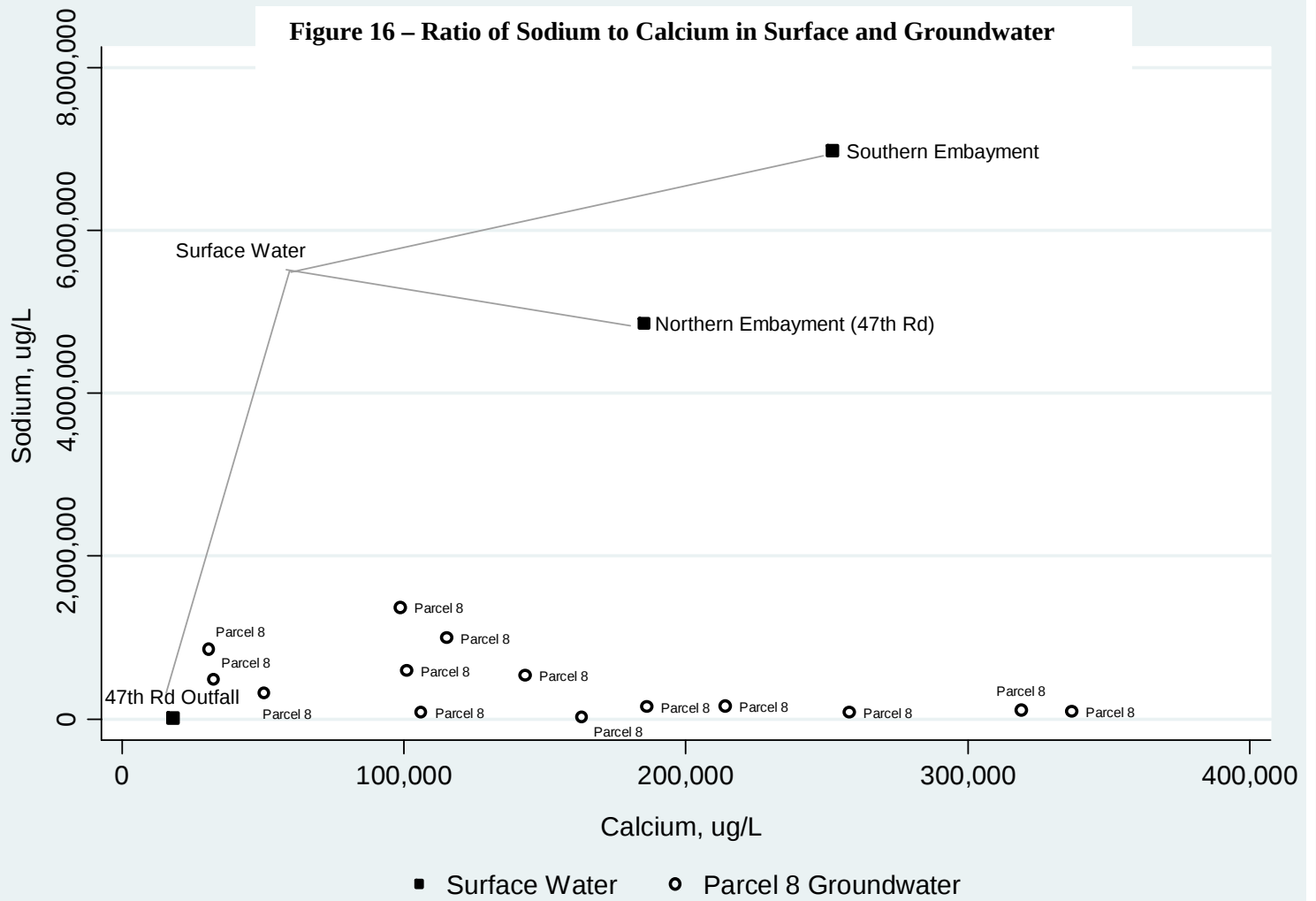


Figure 16 – Ratio of Sodium to Calcium in Surface and Groundwater



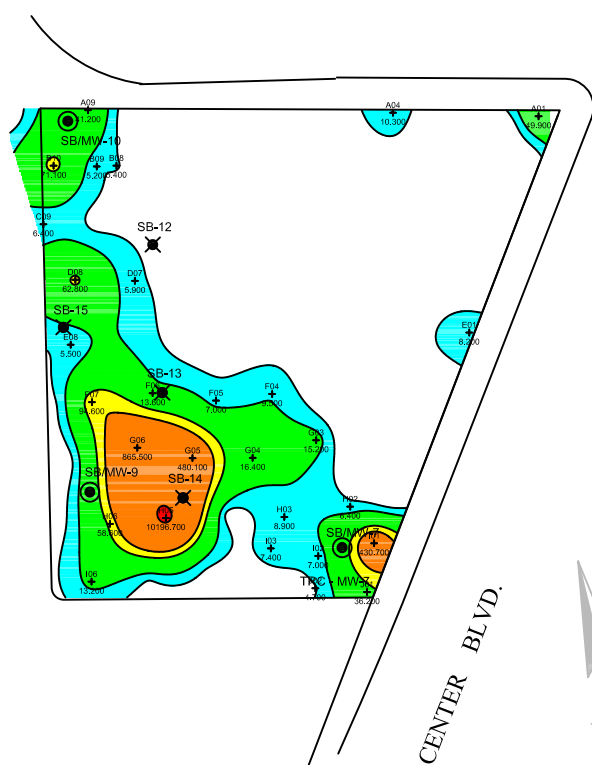
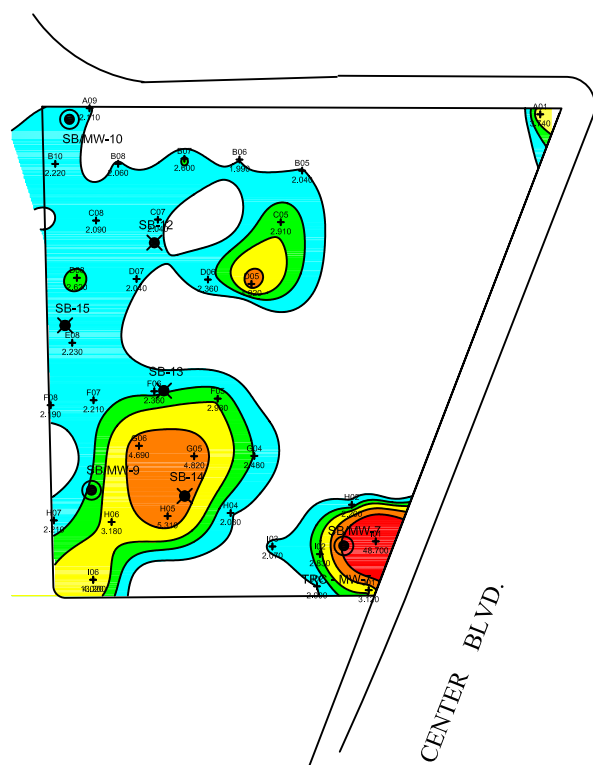
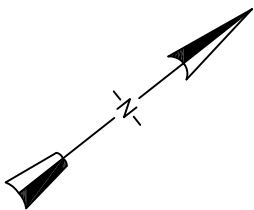
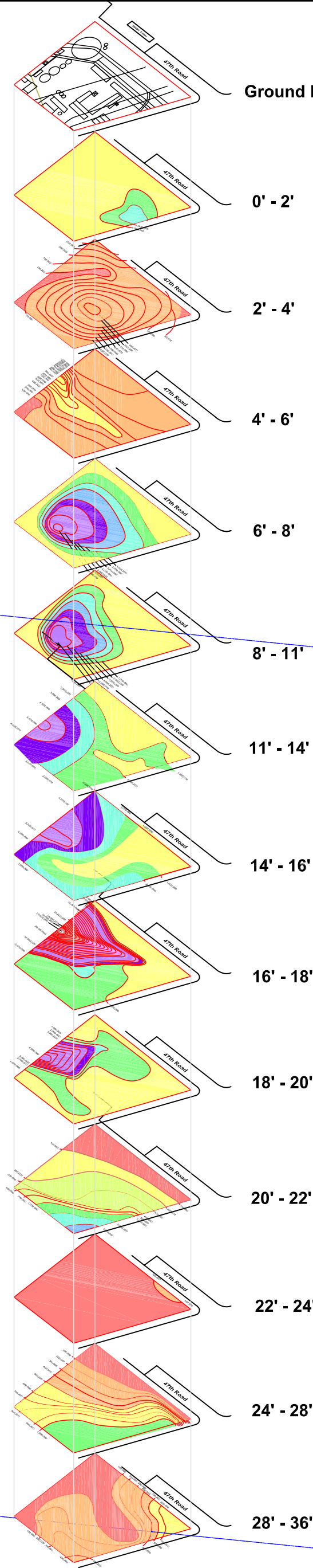


FIGURE 17: Methane and C5+ Soil Gas Results

**Site: Queens West Development Parcel 8
Long Island City, New York**

F:\PROJECT FILES\10011 - SHE PAGE1 & SHE2\1007-1-AMUN BCP PARCELS\AMUN PARCEL 8 - FIGURES 18 PLAN VIEWS OF CONTAMINANT SOURCE AREAS (MASS ESTIMATES)



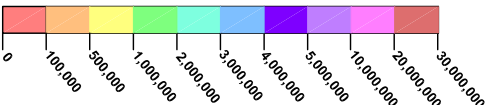
Approximate Ground Water Level -
8 - 10 ft. below grade

Approximate Till Layer -
30 ft. below grade

Notes:
Schematic - Not to Scale
8 - 11ft. below grade

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Contaminant Mass Estimation Levels



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FIGURE 18

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3-D View of Contaminant Source Area

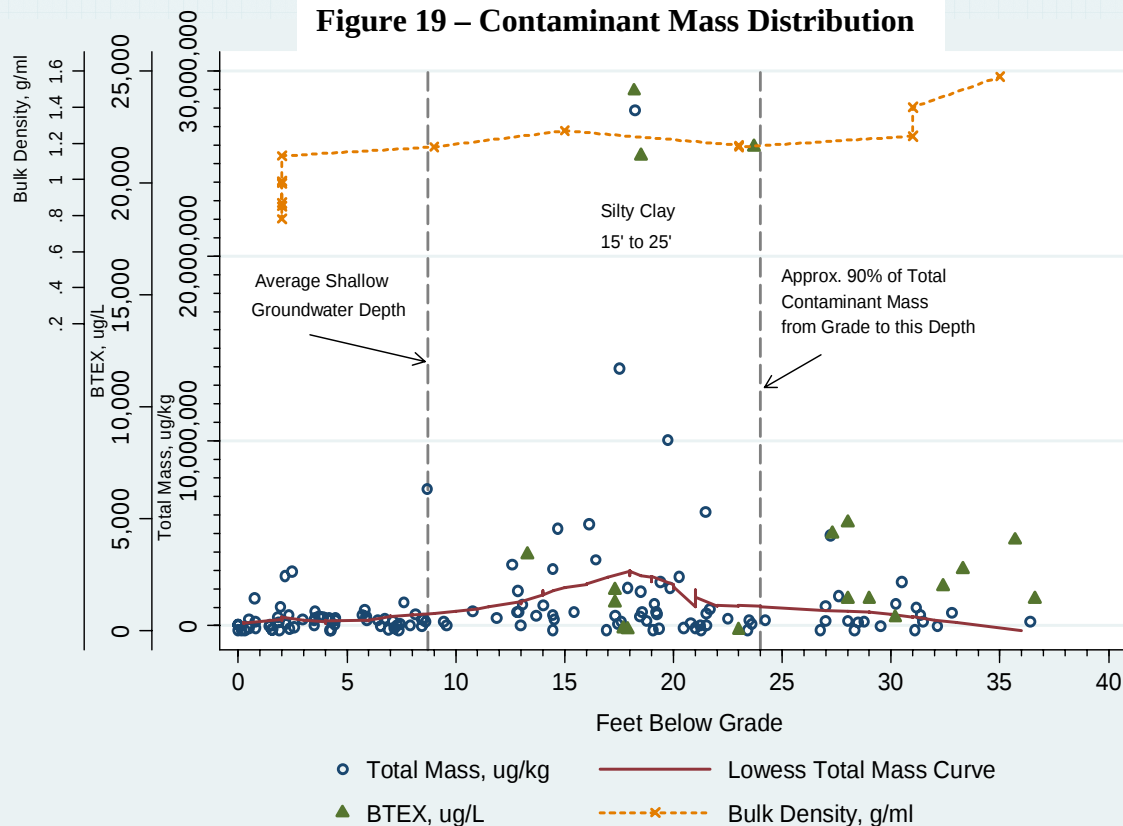
Queens West Development
Parcel 8
BCP Site No. C241087



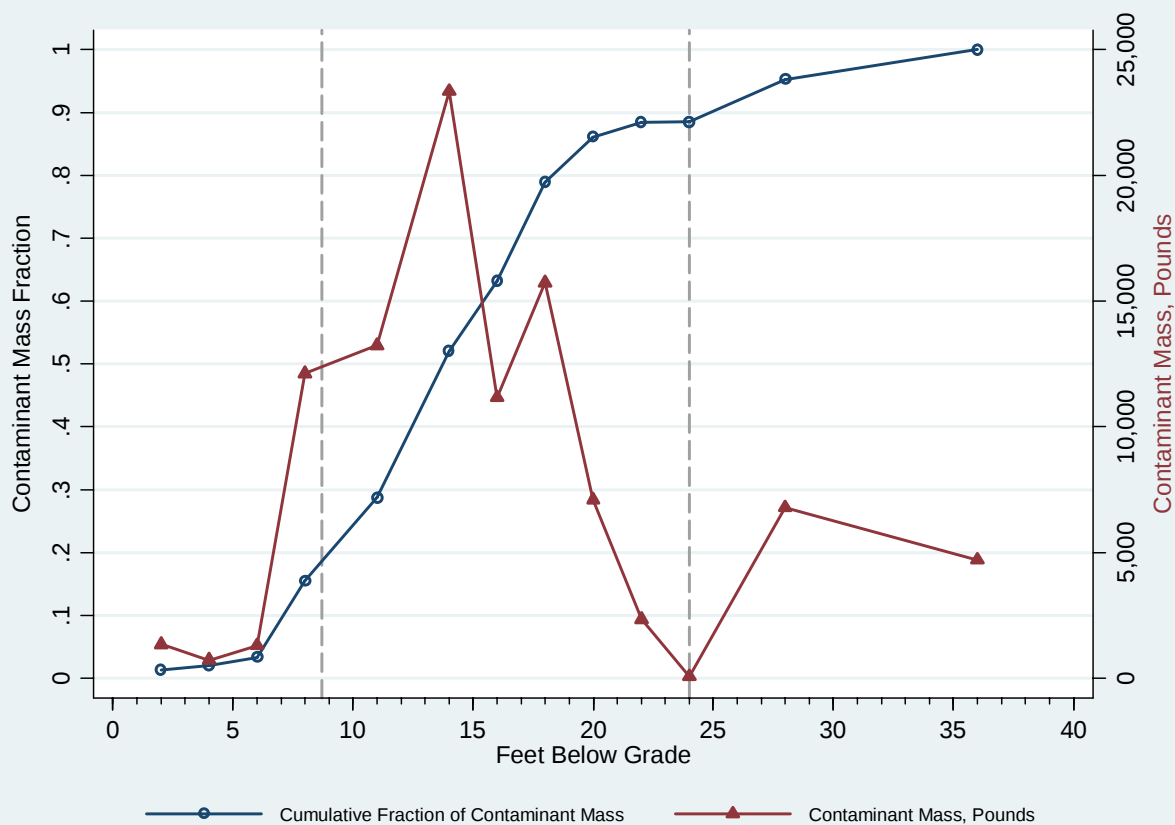
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Figure 19 – Contaminant Mass Distribution

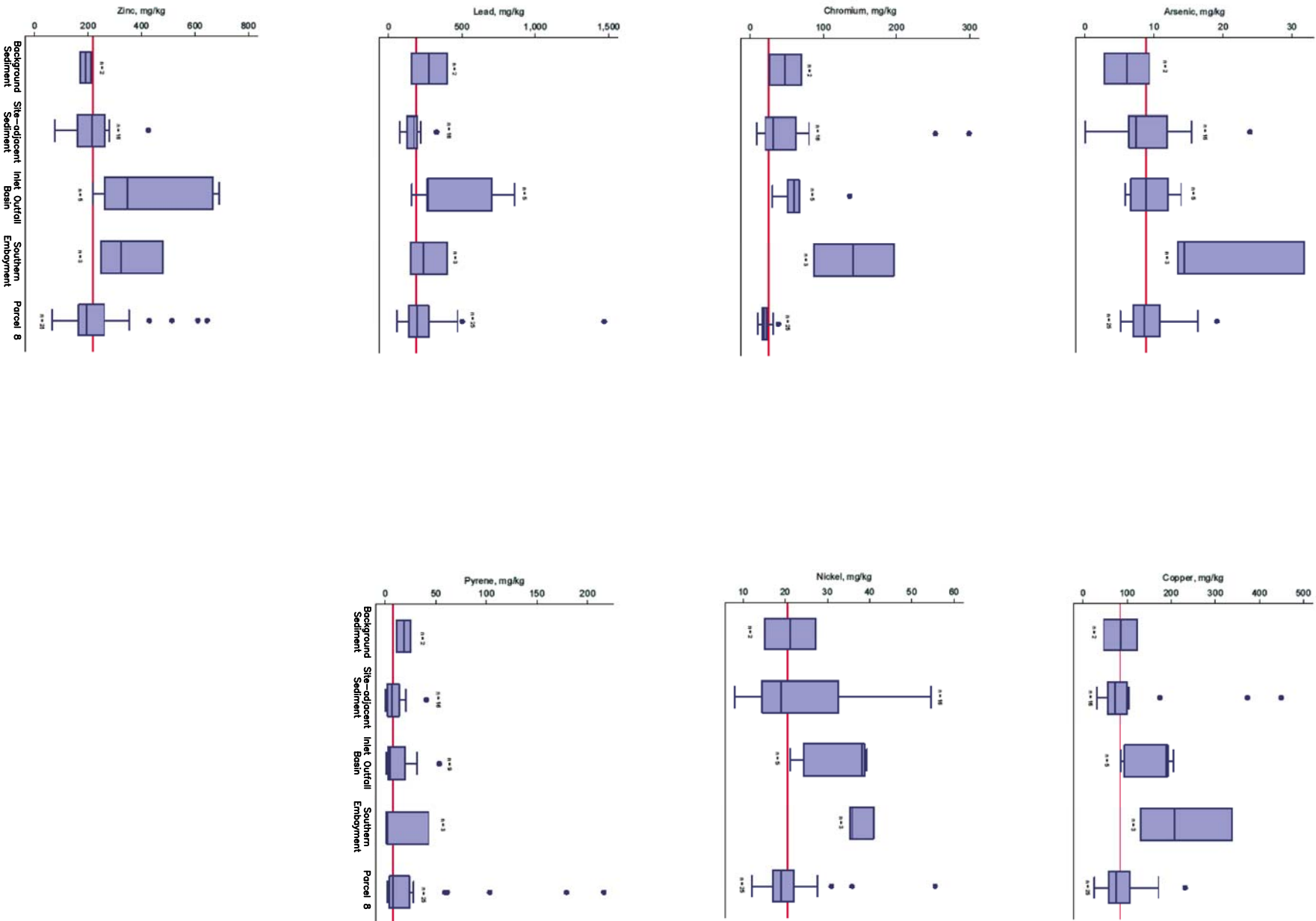


Total Mass, VOCs + SVOCs, is an index of total contaminant mass
Groundwater results reported from bottom depth of well screen

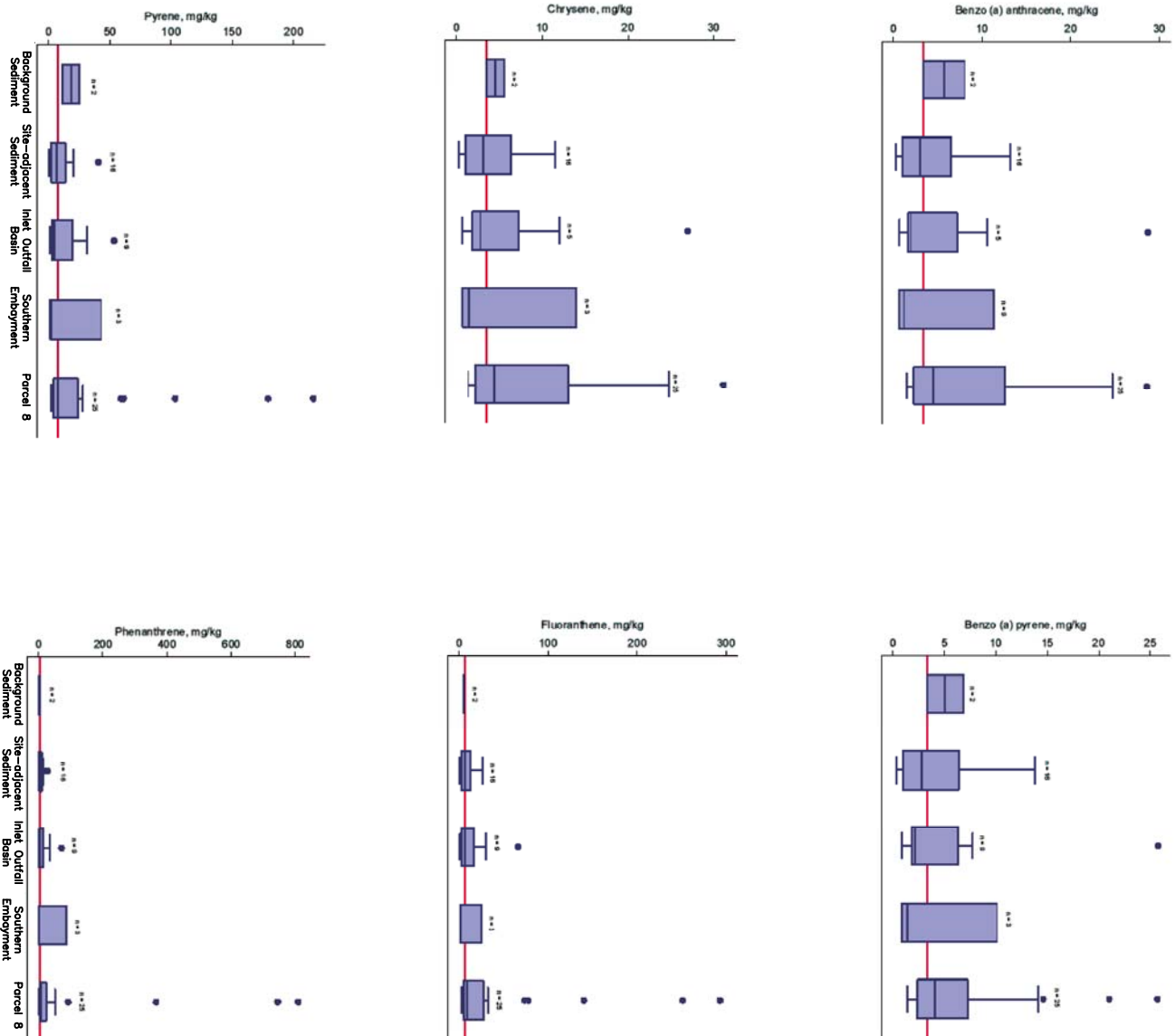


Cumulative Mass Fraction, scale on left Contaminant Mass, scale on right

Selected Metals in Sediment



Selected PAH's in Sediment



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FIGURE 20

Selected Metals and
PAHs in Sediment

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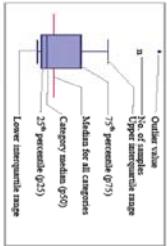
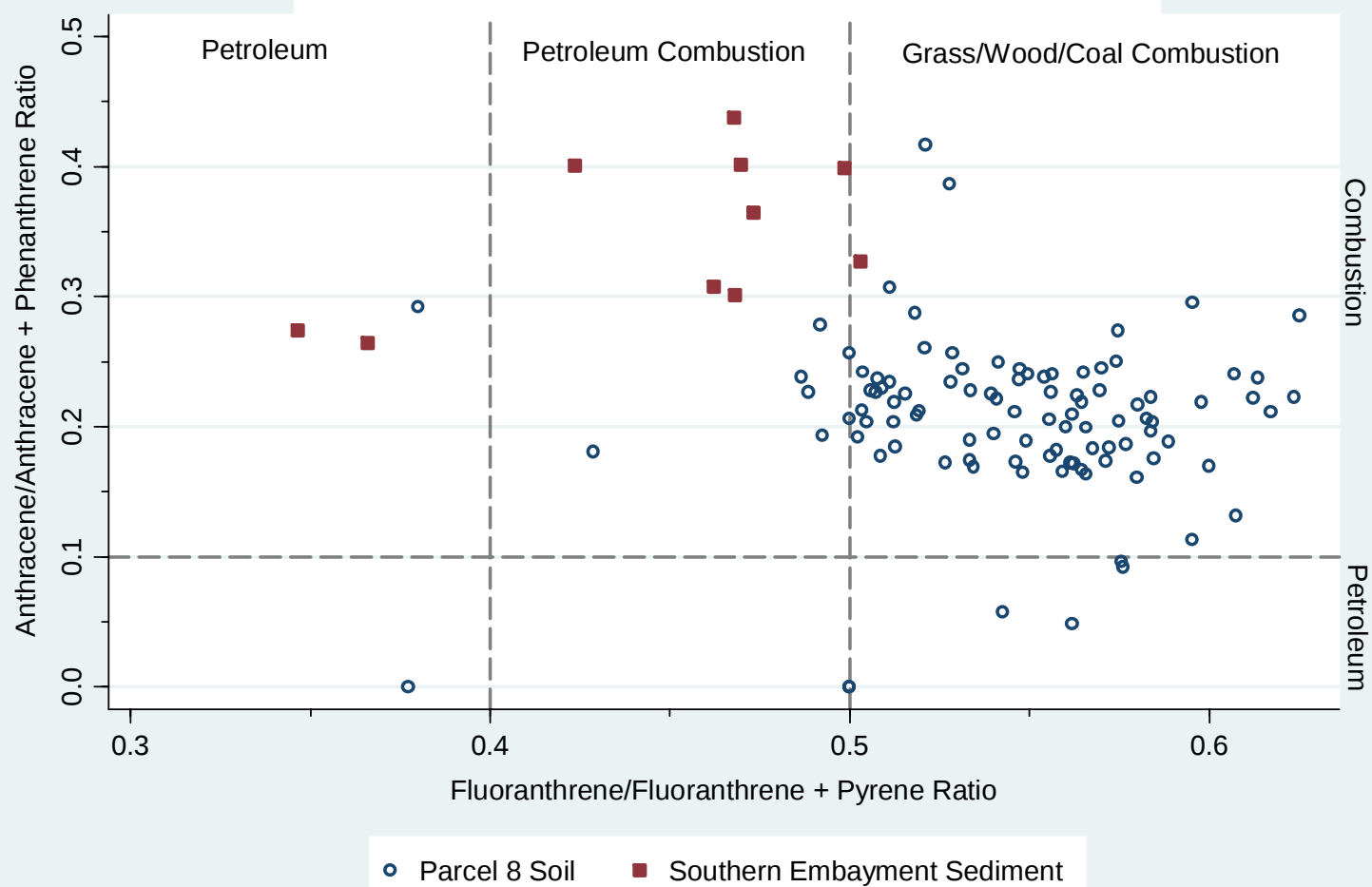


Figure 21 – Comparison of Soil & Sediment Diagnostic Ratios



Categories by Yunker et al. 2002

Figure 22 – Scatterplot of Aroclors 1254 and 1260 in Soil and Sediment

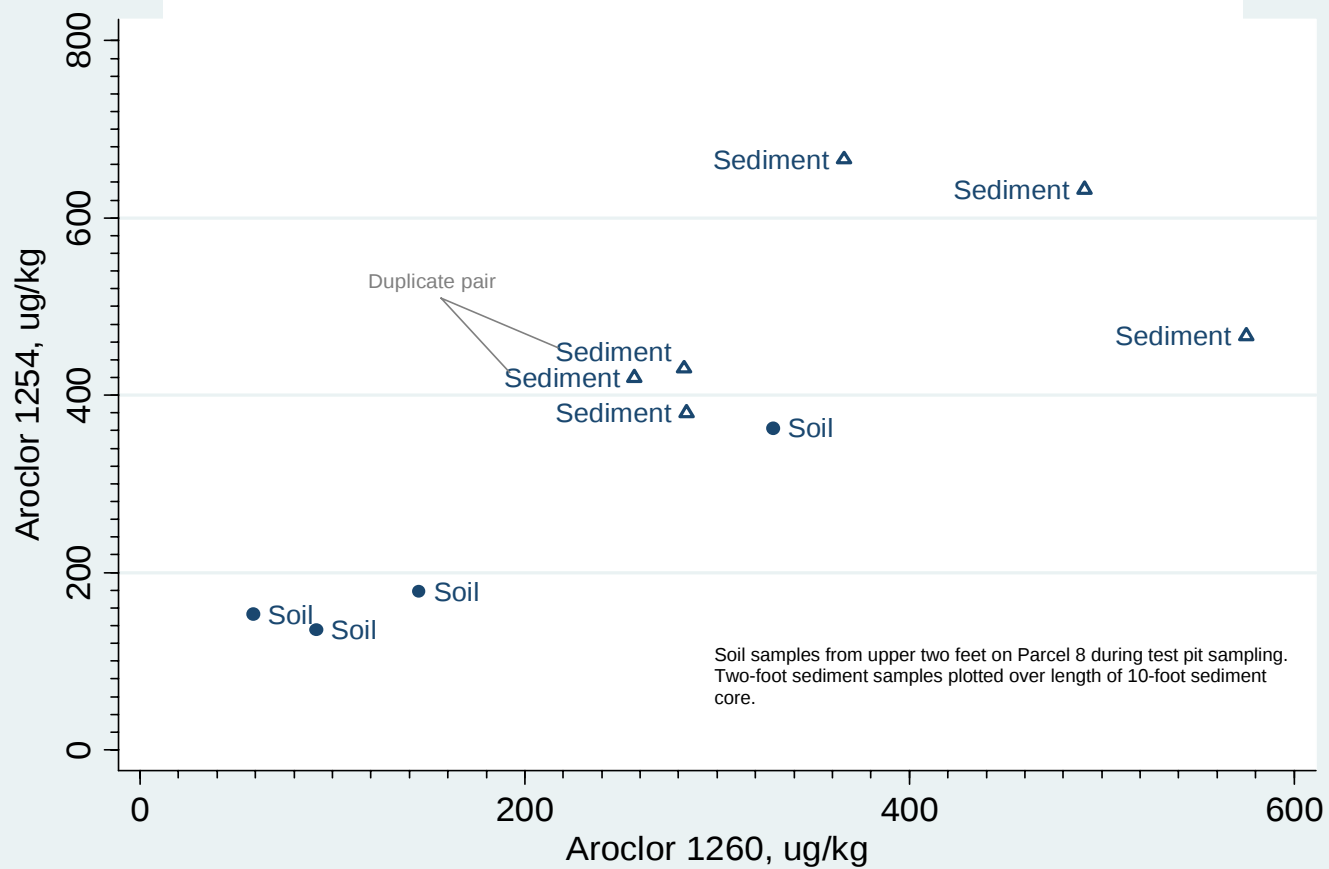


Figure 23 – Contemplated Site Development Schematic

