King, Matthew A (DEC)

From: Steven Gustems <ssg@sesi.org>
Sent: Friday, January 24, 2020 4:49 PM
To: King, Matthew A (DEC)
Cc: Eaton, Daniel J (DEC); Fuad Dahan; James Wendling
Subject: 14 Le Count
Attachments: GW Data Summary Table.xlsx; 11142 SMP-2-SMP-2.pdf; 11142 SMP-1-SMP-1.pdf

Matt, here is the draft groundwater sampling data and Figures for the first monthly sampling event at 14 Le Count.

The following are observations in the recent groundwater data:

- Status of Petroleum VOCs detected during the RI/FER: benzene previously detected in MW-1 and isopropylbenzene detected in MW-8 are now ND in the last two sampling events of 11/27/2019 and 1/6/2020.

- Status of chlorinated VOCs (CVOCs), namely cis 1,2 DCE, detected during the RI/FER in wells GW2R, MW1R and MW8R: GW-2 resulted in ND. MW1 and MW8 resulted in the same concentrations as the ones reported in 11/27/2019. In addition, TCE was detected at 5.2 ug/L during the 1/6/2020 in MW1.

- One unexpected result is the petroleum hydrocarbons ethylbenzene, xylenes, and isopropylbenzene detected in MW-9 that was installed north of the spill area (207 North Ave). This spill area was previously delineated by a temporary well (TW-5) groundwater sample collected in April as presented in the Spills IRM Workplan. We do not know the source for the exceedances in MW-9. Note that MW-2, which was installed during the RI just north of MW-9, did not result in any exceedances.

-Regards,

-Steve

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Analyte	CAS Number	Units	NYSDEC AWQS	460-192709-6 MW-1R 9/30/2019 3:30 PM	460-195251-1 MW-1R 10/30/2019 10:40 AM	460-200265-1 MW-1 1/6/2020 8:40 AM	460-192709-4 GW-2R 9/30/2019 12:45 PM	460-195454-3 GW-2R 11/1/2019 12:00 PM	460-200265-2 GW-2 1/6/2020 10:50 AM	460-200265-3 MW-5 1/6/2020 12:10 PM	460-200265-6 MW-7 1/6/2020 5:00 PM	460-192901-1 MW-8 10/2/2019 9:10 AM	460-195251-2 MW-8 10/30/2019 1:25 PM	460-200265-5 MW-8 1/6/2020 3:50 PM	460-200265-4 MW-9 1/6/2020 2:25 PM
Ethylbenzene	100-41-4	ug/L	5	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	**0.59 J**	0.30 U	0.30 U	**28**
Styrene	100-42-5	ug/L	5	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	**0.80 J**
cis-1,3-Dichloropropene	10061-01-5	ug/L	0.4	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
trans-1,3-Dichloropropene	10061-02-6	ug/L	0.4	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U
1,4-Dichlorobenzene	106-46-7	ug/L	3	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
1,2-Dibromoethane	106-93-4	ug/L	0.0006	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloroethane	107-06-2	ug/L	0.6	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
4-Methyl-2-pentanone	108-10-1	ug/L		1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Methylcyclohexane	108-87-2	ug/L		**0.93 J**	**0.74 J**	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	**260**	**3.9**	**0.76 J**	**5.3**
Toluene	108-88-3	ug/L	5	0.38 U	**0.69 J**	0.38 U	0.38 U	0.38 U	**0.63 J**	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	3.1
Chlorobenzene	108-90-7	ug/L	5	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Cyclohexane	110-82-7	ug/L		**0.35 J**	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	**25**	**1.3**	**0.59 J**	**1.6**
1,2,4-Trichlorobenzene	120-82-1	ug/L	5	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
1,4-Dioxane	123-91-1	ug/L		28 U	28 U *	28 U	28 U	28 U	28 U	28 U	28 U	28 U	28 U *	28 U	28 U
Dibromochloromethane	124-48-1	ug/L	50	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
Tetrachloroethene	127-18-4	ug/L	5	**0.30 J**	0.25 U	**2.1**	0.25 U	**1.6**	0.25 U	0.25 U	0.25 U	0.25 U	**1.4**	0.25 U	0.25 U
cis-1,2-Dichloroethene	156-59-2	ug/L	5	**11**	**4.0**	**18**	0.22 U	**8.0**	0.22 U	0.22 U	**2.1**	0.22 U	**1.8**	**5.7**	0.22 U
trans-1,2-Dichloroethene	156-60-5	ug/L	5	**0.29 J**	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
MTBE	1634-04-4	ug/L	10	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
m&p-Xylene	179601-23-1	ug/L	5	**0.36 J**	0.30 U	0.30 U	0.30 U	0.30 U	**0.33 J**	**1.1**	0.30 U	**0.37 J**	0.30 U	0.30 U	**110**
1,3-Dichlorobenzene	541-73-1	ug/L	3	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
Carbon tetrachloride	56-23-5	ug/L	5	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
2-Hexanone	591-78-6	ug/L	50	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Acetone	67-64-1	ug/L	50	**8.7**	**11**	4.4 U	**8.8**	4.4 U	**39**	4.4 U	**5.1**	**30**	**6.0**	4.4 U	**7.1**
Chloroform	67-66-3	ug/L	7	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	**18**	**0.42 J**	0.33 U	0.33 U	0.33 U	**1.4**
Benzene	71-43-2	ug/L	1	0.20 U	**5.4**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.65 J**	**0.89 J**	0.20 U	**0.71 J**
1,1,1-Trichloroethane	71-55-6	ug/L	5	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
Bromomethane	74-83-9	ug/L	5	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U
Chloromethane	74-87-3	ug/L	5	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
Bromochloromethane	74-97-5	ug/L	5	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Chloroethane	75-00-3	ug/L	5	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
Vinyl chloride	75-01-4	ug/L	2	**1.3**	**0.73 J**	**0.83 J**	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	**0.54 J**	**0.70 J**	0.17 U	0.17 U
Methylene Chloride	75-09-2	ug/L	5	0.32 U	0.32 U	**0.32 U**	0.32 U	0.32 U	0.32 U	**0.32 J**	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
Carbon disulfide	75-15-0	ug/L	60	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Bromoform	75-25-2	ug/L	50	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Bromodichloromethane	75-27-4	ug/L	50	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	**1.7**	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,1-Dichloroethane	75-34-3	ug/L	5	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
1,1-Dichloroethene	75-35-4	ug/L	5	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Trichlorofluoromethane	75-69-4	ug/L	5	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
Dichlorodifluoromethane	75-71-8	ug/L	5	0.31 U	0.31 U	0.31 U *	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
Freon TF	76-13-1	ug/L	5	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
1,2-Dichloropropane	78-87-5	ug/L	5	0.35 U	**0.87 J**	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	**0.92 J**	0.35 U	0.35 U	0.35 U	0.35 U
2-Butanone	78-93-3	ug/L	50	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	**14**	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
1,1,2-Trichloroethane	79-00-5	ug/L	1	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Trichloroethene	79-01-6	ug/L	5	**2.1**	**0.71 J**	**6.1**	0.31 U	**1.3**	0.31 U	0.31 U	**0.56 J**	0.31 U	**0.38 J**	**1.3**	0.31 U
Methyl acetate	79-20-9	ug/L		0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5	0.37 U	0.37 U *	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U *	0.37 U	0.37 U
1,2,3-Trichlorobenzene	87-61-6	ug/L	5	0.36 U	0.36 U *	**0.36 U**	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U *	0.36 U	0.36 U
o-Xylene	95-47-6	ug/L	5	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	**1.9**	**0.67 J**	0.36 U	**55**
1,2-Dichlorobenzene	95-50-1	ug/L	3	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	0.04[a]	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Isopropylbenzene	98-82-8	ug/L	5	**5.2**	**0.39 J**	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	**57**	**7.2**	**0.38 J**	**6.6**

LECOUNT PLACE

Analyte	NYSDEC AWQS	GW-2 2/11/2019	GW-2R 9/30/2019	GW-2R 11/1/2019	GW-2R 11/27/2019	GW-2 1/6/2020
Units (ug/L)						
cis-1,2-Dichloroethene	5	0.22 U	0.22 U	8.0	10	0.22 U

GW-2 (SB-8)

S 25°15'00" E 34.10'

S 64°45'00" W 91.45'

4-STORY BRICK BUILDING

S 25°15'00" E 103.55'

S 69°34'00" W

MW-1

Analyte	NYSDEC AWQS	MW-1 5/30/2019	MW-1R 9/30/2019	MW-1R 10/30/2019	MW-1R 11/27/2019	MW-1 1/6/2020
Units (ug/L)						
cis-1,2-Dichloroethene	5	9.3	11	4.0	17	18
Benzene	1	0.95 J	0.20 U	5.4		0.20 U
Trichloroethene	5	0.94 J	2.1	0.71 J	5.5	6.1
Isopropylbenzene	5	8.0	5.2	0.39 J	0.34 U	0.34 U

MAIN STREET

Analyte	NYSDEC AWQS	MW-7 5/30/2019	MW-7 1/6/2020
Units (ug/L)			
cis-1,2-Dichloroethene	5	14	2.1

MW-7

Analyte	NYSDEC AWQS	MW-5 2/25/2019	MW-5 1/6/2020
Units (ug/L)			
Chloroform	7	0.50 J	18

N 64°45'00" E

N 25°15'00" W 50.00'

MW-5

100.00'

Analyte	NYSDEC AWQS	MW-9 1/6/2020
Units (ug/L)		
Ethylbenzene	5	28
cis-1,2-Dichloroethene	5	0.22 U
m&p-Xylene	5	110
Chloroform	7	1.4
Benzene	1	0.71 J
Trichloroethene	5	0.31 U
o-Xylene	5	55
Isopropylbenzene	5	6.6

MW-9

N 64°45'00" E 100.00'

N 25°15'00" W 100.00'

Analyte	NYSDEC AWQS	MW-8 10/2/2019	MW-8 10/30/2019	MW-8 11/27/2019	MW-8 1/6/2020
Units (ug/L)					
cis-1,2-Dichloroethene	5	0.22 U	1.8	5.8	5.7
Isopropylbenzene	5	57	7.2		0.38 J

MW-8

127.40'

N 25°15'00" W 115.08'

S 64°45'00" W 100.00'

3-STORY BRICK BUILDING

1-STORY BRICK

3-STORY STUCCO BUILDING

NORTH AVENUE

LEGEND:

MW-1 EXISTING MONITORING WELL NUMBER & APPROX. LOCATION

REFERENCE
EXIST CONDITIONS & BOUNDARY ARE TAKEN FROM "WORKSHEET" PREPARED BY CONTRACTORS' LINE & GRADE SOUTH, LLC. DATED MARCH 19, 2019.

NOTE:
THIS PLAN IS FOR LOCATING SAMPLES ONLY. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.

SCALE: 1"=30'
0 30 60

dwg by: PIN
chk by: SG
scale: 1" = 30'
date: 1/24/20

SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

project: 14 LECOUNT STANDARD PRINTING (BCP C360176) NEW ROCHELLE, N.Y.

drawing title: SITE MANAGEMENT PLAN GROUND WATER SAMPLE LOCATIONS AND RESULTS

job no: 11142
drawing no: SMP-1

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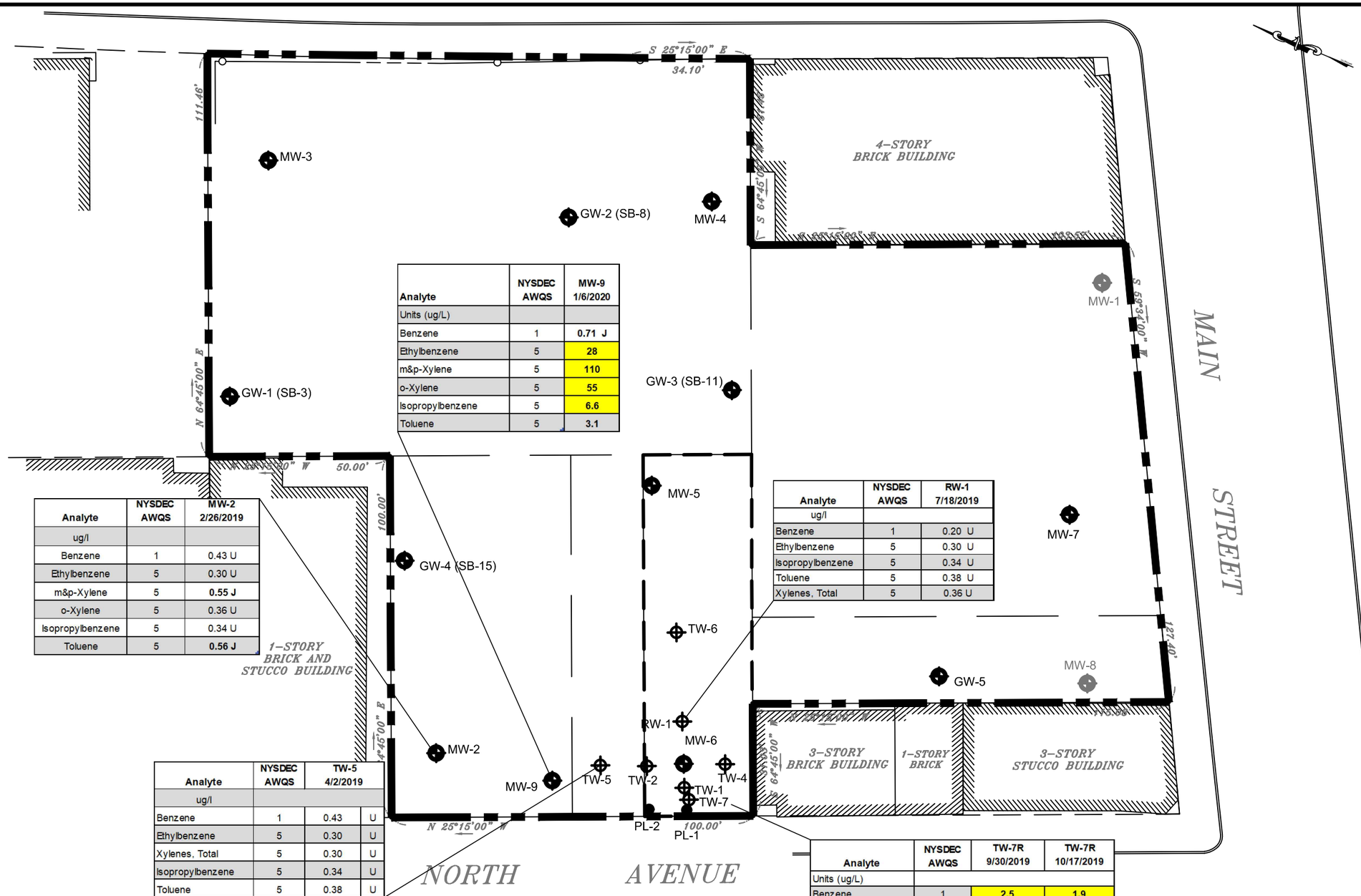

Analyte	NYSDEC AWQS	MW-9 1/6/2020
Units (ug/L)		
Benzene	1	0.71 J
Ethylbenzene	5	28
m&p-Xylene	5	110
o-Xylene	5	55
Isopropylbenzene	5	6.6
Toluene	5	3.1

Analyte	NYSDEC AWQS	MW-2 2/26/2019
ug/l		
Benzene	1	0.43 U
Ethylbenzene	5	0.30 U
m&p-Xylene	5	0.55 J
o-Xylene	5	0.36 U
Isopropylbenzene	5	0.34 U
Toluene	5	0.56 J

Analyte	NYSDEC AWQS	RW-1 7/18/2019
ug/l		
Benzene	1	0.20 U
Ethylbenzene	5	0.30 U
Isopropylbenzene	5	0.34 U
Toluene	5	0.38 U
Xylenes, Total	5	0.36 U

Analyte	NYSDEC AWQS	TW-5 4/2/2019	
ug/l			
Benzene	1	0.43	U
Ethylbenzene	5	0.30	U
Xylenes, Total	5	0.30	U
Isopropylbenzene	5	0.34	U
Toluene	5	0.38	U

Analyte	NYSDEC AWQS	TW-7R 9/30/2019	TW-7R 10/17/2019
Units (ug/L)			
Benzene	1	2.5	1.9
Ethylbenzene	5	2.2	2.1
Isopropylbenzene	5	1.3	0.99 J
Toluene	5	1.3	1.1
total xylenes	5	15.2	16.5

LEGEND:

- GW-1 — GROUNDWATER NUMBER & APPROX. LOCATION
- MW-1 — MONITORING WELL NUMBER & APPROX. LOCATION
- TW-2 — TEMPORARY PIEZOMETER NUMBER & APPROX. LOCATION
- PL-2 — SOIL BORING NUMBER & APPROX. LOCATION

BCP SITE PROPERTY LINE

207 NORTH AVE SITE PROPERTY LINE

REFERENCE
EXIST CONDITIONS & BOUNDARY ARE TAKEN FROM "WORKSHEET" PREPARED BY CONTRACTORS' LINE & GRADE SOUTH, LLC. DATED MARCH 19, 2019.

NOTE:
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SCALE: 1"=30'
0 30 60

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dwg by: PIN
chk by: SG
scale: 1"=30'
date: 1/24/20

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SITE DESIGN
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project: 14 LECOUNT STANDARD PRINTING (BCP C360176) NEW ROCHELLE, N.Y.

drawing title: SITE MANAGEMENT PLAN
SPILL AREA GROUND WATER
SAMPLE LOCATIONS AND RESULTS

job no: 11142
drawing no:

SMP-2