



Geotechnical
Environmental
Water Resources
Ecological

**Quarterly Groundwater Monitoring Report
Third Quarter (Q3) 2013**

**Sag Harbor
Former MGP Site**

Village of Sag Harbor
Suffolk County, Long Island, New York
Site ID No. 1-52-159

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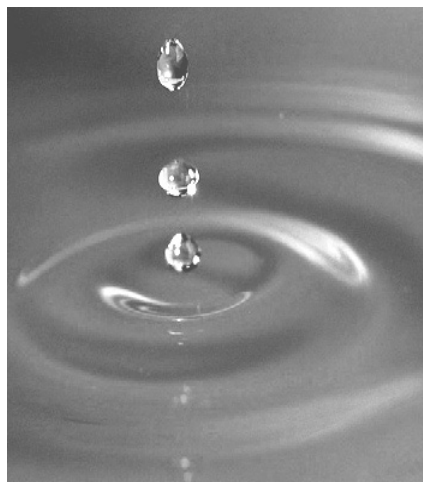


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1. Sag Harbor Site and Adjacent Offsite Areas

Third Quarter (Q3) 2013 Groundwater Monitoring Event Summary

Event Date: September 24, 25 and 26, 2013

Site Phase: Quarterly groundwater monitoring

Location: The location of the Sag Harbor Former MGP site is depicted on **Figure 1**.

Monitoring Well Network

A total of 25 monitoring wells are currently located at or in the vicinity of the site (**Figure 2**). MW-05 was destroyed sometime between March and June 2007. Monitoring wells MW-01, MW-02, MW-03, MW-04, MW-06, SHMW-01S, SHMW-01I, SHMW-02I, SHMW-02D, SHMW-04S, SHMW-04I, SHMW-05S, SHMW-05I, SHMW-06S, and SHMW-06I were abandoned prior to the Q4 2008 sampling event due to the remediation activities being conducted at the site. Seven of the monitoring wells, including SHMW-01SR, SHMW-01IR, SHMW-02IR, SHMW-02DR, SHMW-04SR, SHMW-05SR and SHMW-05IR, were replaced as part of the post-remediation monitoring well replacement/installation program in Q4 2010.

Monitoring wells SHMW-02IR and SHMW-04SR were installed as larger diameter wells for potential dense non-aqueous phase liquid (DNAPL) recovery. In addition to the installation of the replacement monitoring wells listed above, new monitoring wells SHMW-01D and SHMW-02S were also installed as part of this program. Monitoring wells SHMW-07S and SHMW-07I, which were damaged presumably during the remedial activities, were abandoned during the replacement well installation program and reinstalled.

Hydrological Data

Groundwater levels were measured on September 25, 2013 at 24 of the 25 monitoring wells, during low and high tide. Monitoring well SHMW-02I was repaired during Q3 2011, altering the survey point. As a result, a groundwater level measurement was not taken. Depth to groundwater and calculated groundwater elevations are provided in **Table 1**. Shallow and intermediate groundwater contours for high and low tidal conditions are depicted on **Figures 3** through **6**.

The groundwater flow direction was generally to the west towards Sag Harbor Cove. The ranges in depth to water and water table elevation data, as well as calculated hydraulic gradients for the shallow and intermediate portions of the aquifer in Q3 2013, are provided in the following table:

Depth Zone	High Tide			Low Tide		
	Range		Gradient ³	Range		Gradient ³
	DTW ¹	WLE ²		DTW ¹	WLE ²	
Shallow	0.11 – 4.54	0.71 – 2.69	0.0022	0.09 – 5.44	-0.12 – 3.09	0.0034
Intermediate	0.07 – 4.57	1.06 – 2.13	0.0006	0.28 – 4.73	0.22 – 1.71	0.0023

Notes:

- ¹: Depth to water - Measured as feet below top of casing
- ²: Water level elevation - Calculated as feet above mean sea level
- ³: Feet/Feet

NAPL Thickness Data

Table 2 provides a summary of historical non-aqueous phase liquid (NAPL) data. In Q3 2013, all of the 25 monitoring wells were monitored for NAPL as part of the groundwater monitoring program. There was no evidence of light non-aqueous phase liquid (LNAPL) or DNAPL in any of the monitoring wells during Q3 2013.

Chemical Data

In Q3 2013, a total of 12 wells were sampled for benzene, toluene, ethylbenzene, and total xylenes (BTEX) and methyl tert-butyl ether (MTBE) by Environmental Protection Agency (EPA) Method 8260, and for polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270. Well sampling was performed on September 24 and 26, 2013 and included all wells on the quarterly sampling list.

Chemical data for Q3 2013 (**Table 3**) indicate:

- BTEX concentrations ranged from below method detection limits (ND) in six of the 12 wells sampled to 972 micrograms per liter (µg/L) in SHMW-07SR.
- Total PAH concentrations ranged from ND in four of the 12 wells sampled to 4,030 µg/L in SHMW-07SR.
- MTBE concentrations were ND in each of the 12 wells sampled, excluding an estimated detection of 2 µg/L in SHMW-08S.

Data Trend Analysis

In general, BTEX and total PAH concentrations (see historical data in **Tables 4** and **5**) have been generally decreasing in shallow groundwater on and adjacent to the site as indicated in the table on the following page. BTEX concentrations in shallow wells generally remained similar to Q2 2013 levels and significantly below historical levels (see table on following page), while total PAH concentrations increased and are similar to historical levels. The increases in total PAH concentrations during Q3 2013 were primarily evident in two wells, SHMW-04SR and SHMW-07SR, as discussed below.

Shallow Zone	Historical*		Q1 2013		Q2 2013		Q3 2013	
	Max	Average	Max	Average	Max	Average	Max	Average
BTEX	25,860	969	1,289	144	852	162	972	184
Total PAHs	7,211**	665	2,620	337	960	191	4,030	623

Notes:

Concentrations in µg/L

*: Including data from existing wells only.

**: Historical maximum for all depth zones is 580,200 µg/L (total PAH) in SHMW-02I.

Concentrations of BTEX were identified in six shallow monitoring wells in Q3 2013. The concentrations in monitoring wells SHMW-05SR (17 µg/L), and SHMW-08S (4 µg/L) were relatively low. The Q3 2013 detection in monitoring well SHMW-05SR decreased significantly compared to the Q2 2013 concentration, and was similar to other recent detections in this well. The Q3 2013 detection in SHMW-08S is below its historical mean concentration.

Elevated BTEX concentrations in the remaining shallow wells in Q3 2013 were limited to SHMW-04SR, SHMW-07SR, SHMW-09S and SHMW-12S. The Q3 2013 concentration in SHMW-04SR (949 µg/L) increased significantly from Q2 2013, which was the lowest concentration recorded in this well during the historical monitoring period, but remained significantly below the historical mean concentration of 7,683 µg/L. The concentration in SHMW-07SR (972 µg/L) increased slightly during Q3 2013, continuing a variable trend, but was below its historical mean concentration of 1,471 µg/L. The BTEX concentrations in monitoring wells SHMW-09S (118 µg/L) and SHMW-12S (142 µg/L) decreased slightly during Q3 2013, also continuing variable trends. The BTEX concentrations in each of these wells remain below, and in some cases, significantly below, their respective historical means.

For total PAH concentrations, eight shallow wells had detections in Q3 2013. The concentrations in monitoring wells SHMW-03S (16 µg/L), and SHMW-11S (7 µg/L) remained near detection levels. The Q3 2013 detections in these wells remained similar to, or below their respective historical mean concentration.

The total PAH concentration in Q3 2013 in SHMW-05SR (155 µg/L) decreased slightly compared to Q2 2013, but remained above its historical mean concentration. The total PAH concentrations in SHMW-08S (180 µg/L), SHMW-09S (603 µg/L), and SHMW-12S (604 µg/L) increased from Q2 2013 levels, but remained within their respective historical concentration ranges. Concentration trends in recent sampling events in SHMW-05SR, SHMW-08S and SHMW-09S have been relatively stable, while the trend in SHMW-12S has been somewhat variable, but generally increasing. The concentrations in SHMW-04SR (1,875 µg/L) and SHMW-07SR (4,030 µg/L) increased significantly relative to Q2 2013 levels; however, both remained within their respective historical concentration range and continue variable trends. The data from subsequent monitoring events will be evaluated to determine if an increasing trend is occurring.

Variable dissolved constituent concentrations detected in shallow groundwater over the past sampling events are likely due, in part, to the rise and fall of the water table resulting in periods of both decreased and increased dissolution of adsorbed BTEX and PAHs trapped beneath the groundwater/soil vapor interface.

The historical NAPL data (**Table 2**) indicates that measurable quantities of NAPL have primarily been found in two onsite shallow monitoring wells (MW-02 and MW-05), one onsite intermediate well (SHMW-02I), and one offsite shallow well (SHMW-04S). Non-measurable (trace) amounts of NAPL have historically been found in two onsite shallow wells, MW-03 and MW-04, as well as in offsite shallow well SHMW-06S, and was intermittently found in SHMW-07S. All of the wells identified above in which NAPL has been historically detected were either destroyed or abandoned prior to, or during remedial activities.

Non-measurable (trace) amounts of LNAPL and DNAPL were found in replacement monitoring wells SHMW-04SR and SHMW-07SR during the first three monitoring events following the installation of these wells. However, no evidence of NAPL has been found in these monitoring wells or any of the remaining monitoring wells since Q2 2011.

Future Plans

Continue quarterly groundwater and NAPL monitoring at onsite and offsite monitoring wells.

Tables

Table 1. Water Level Measurements and Calculated Groundwater Elevations
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q3 2013

Well ID	Top of Casing Elevation (ft)*	Tide	Time	9/25/2013		Notes
				Depth to Water (ft)	Groundwater Elevation (ft)	
SHMW-01SR	3.71	High	1525	3.00	0.71	Well replaced in Q4 2010
		Low	0852	1.79	1.92	
SHMW-01IR	3.81	High	1525	2.29	1.52	Well replaced in Q4 2010
		Low	0851	2.41	1.40	
SHMW-01D	3.67	High	1526	1.57	2.10	Well installed in Q4 2010
		Low	0851	2.12	1.55	
SHMW-02S	3.95	High	1521	2.59	1.36	Well installed in Q4 2010
		Low	0907	2.46	1.49	
SHMW-02IR	3.92	High	NM	NM	NM	Survey point altered
		Low	NM	NM	NM	
SHMW-02DR	3.66	High	1522	1.85	1.81	Well replaced in Q4 2010
		Low	0908	2.57	1.09	
SHMW-03S	3.83	High	1523	2.90	0.93	
		Low	0910	3.12	0.71	
SHMW-03I	3.85	High	1524	1.93	1.92	
		Low	0910	2.83	1.02	
SHMW-04SR	3.90	High	1522	3.03	0.87	Well replaced in Q4 2010
		Low	0907	3.05	0.85	
SHMW-05SR	5.03	High	1520	3.78	1.25	Well replaced in Q4 2010
		Low	0905	3.80	1.23	
SHMW-05IR	4.96	High	1520	3.39	1.57	Well replaced in Q4 2010
		Low	0905	3.76	1.20	
SHMW-07SR	3.48	High	1529	1.00	2.48	
		Low	0913	0.70	2.78	
SHMW-07IR	3.38	High	1529	2.15	1.23	
		Low	0913	1.90	1.48	
SHMW-08S	3.69	High	1518	1.00	2.69	
		Low	0905	0.60	3.09	
SHMW-08I	3.79	High	1519	1.66	2.13	
		Low	0905	2.21	1.58	
SHMW-09S	3.06	High	1532	1.04	2.02	
		Low	0919	1.10	1.96	
SHMW-09I	2.82	High	1532	1.26	1.56	
		Low	0919	1.68	1.14	
SHMW-10S	4.75	High	1526	3.79	0.96	
		Low	0912	4.46	0.29	
SHMW-10I	4.75	High	1526	3.05	1.70	
		Low	0913	4.53	0.22	
SHMW-11S	5.32	High	1529	4.54	0.78	
		Low	0915	5.44	-0.12	
SHMW-11I	5.63	High	1530	4.57	1.06	
		Low	0917	4.73	0.90	
SHMW-12S	1.98	High	1534	+0.11	2.09	Artesian
		Low	0920	+0.09	2.07	
SHMW-12I	1.99	High	1536	+0.07	2.06	Artesian at High Tide
		Low	0919	0.28	1.71	
SHMW-13S	3.36	High	1532	1.03	2.33	
		Low	0915	0.90	2.46	
SHMW-13I	3.50	High	1532	1.39	2.11	
		Low	0916	1.83	1.67	

General Notes:

* Elevations were re-surveyed in November 2010.
 NM = Not Measured

**Table 2. Summary of Historical NAPL Observations
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q3 2013**

Well ID	May 2002 Observations	May 2004 Observations	Aug 2004 Observations	Oct 2004 Observations	Nov 2004 Observations	Dec 2004 Observations	Jan 2005 Observations	Feb 2005 Observations	Mar 2005 Observations	Apr/Q1 2005 Observations
MW-01	None Observed	Odor	None Observed	Not Checked	NR	NR	NR	NR	NR	NR
MW-02	Approx. 0.16' of DNAPL, sheen on surface	Approx. 0.15' of DNAPL, sheen on surface	Approx. 0.29' of DNAPL	Approx. 0.2' of DNAPL	Approx. 0.01' of DNAPL, 1.0' intermittent DNAPL	Approx. 0.1' of DNAPL	Approx. 0.11' of DNAPL	Approx. 0.16' of DNAPL	Approx. 0.15' of DNAPL	Approx. 0.15' of DNAPL
MW-03	Intermittent DNAPL for 1.5'	Approx. 0.03' of DNAPL, naphthalene- like odor	NR	Trace DNAPL at bottom of tape	Trace DNAPL at bottom of tape	Trace DNAPL at bottom of tape	Trace DNAPL at bottom of tape	Trace DNAPL at bottom of tape	Trace DNAPL at bottom of tape	Trace DNAPL at bottom of tape
MW-04	None Observed	Approx. 0.02' of DNAPL, naphthalene- like odor	NR	Trace DNAPL at bottom of tape	None Observed	None Observed	Trace DNAPL at bottom of tape	Not Checked (under snow pile)	None Observed	None Observed
MW-05	Blebs of LNAPL	Approx. 1.0' of DNAPL, naphthalene- like odor	Approx. 0.75' of DNAPL	Approx. 4.5' of LNAPL/NAPL	Approx. 0.35' of DNAPL, 3.6' intermittent DNAPL	Trace DNAPL at bottom of tape, bubbles in WC	Trace DNAPL at bottom of tape	Approx. 0.6' of DNAPL, approx. 0.02' of LNAPL	Sporadic DNAPL, approx. 0.1' of LNAPL	Sporadic DNAPL, approx. 0.1' of LNAPL
MW-06	None Observed	Slight naphthalene- like odor	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-01S/01SR	None Observed	Slight naphthalene- like odor	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-01I/01IR	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-01D	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
SHMW-02S	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
SHMW-02I/02IR	None Observed	Approx. 4.9' of DNAPL, sheen	Approx. 4.7' of DNAPL	Approx. 4.9' of DNAPL	Approx. 1.0' of DNAPL, 3.0' intermittent DNAPL	Approx. 0.6' of DNAPL	Approx. 0.65' of DNAPL	Approx. 0.5' of DNAPL	Approx. 0.45' of DNAPL	Approx. 1.1' of DNAPL
SHMW-02D/02DR	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-03S	None Observed	Odor	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-03I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-04S/04SR	None Observed	Approx. 0.6' of DNAPL, naphthalene- like odor	NR	Approx. 0.7' of DNAPL, 2.3' intermittent DNAPL	Approx. 0.55' of DNAPL	Approx. 0.29' of DNAPL	Approx. 0.35' of DNAPL	Approx. 0.22' of DNAPL	Approx. 0.25' of DNAPL	Approx. 0.25' of DNAPL
SHMW-04I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR

Table 2. Summary of Historical NAPL Observations
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q3 2013

Well ID	May 2002 Observations	May 2004 Observations	Aug 2004 Observations	Oct 2004 Observations	Nov 2004 Observations	Dec 2004 Observations	Jan 2005 Observations	Feb 2005 Observations	Mar 2005 Observations	Apr/Q1 2005 Observations
SHMW-05S/05SR	None Observed	Blebs of DNAPL in purge water, odor	NR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-05I/05IR	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-06S	Slight sheen and naphthalene-like odor	Naphthalene-like odor	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-06I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-07S/07SR	Sheen and naphthalene-like odor	Slight odor	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-07I/07IR	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-08S	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-08I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-09S	None Observed	Slight naphthalene- like odor	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-09I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-10S	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-10I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-11S	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-11I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-12S	None Observed	Sheen, strong sulfur- like odor	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-12I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-13S	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-13I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR

Table 2. Summary of Historical NAPL Observations
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q3 2013

Well ID	Jun/Q2 2005 Observations	Sep/Q3 2005 Observations	Dec/Q4 2005 Observations	Mar/Q1 2006 Observations	Jun/Q2 2006 Observations	Sep/Q3 2006 Observations	Dec/Q4 2006 Observations	Mar/Q1 2007 Observations	Jun/Q2 2007 Observations	Sep/Q3 2007 Observations
MW-01	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
MW-02	Trace DNAPL at bottom of tape	Approx. 0.13' of DNAPL	Approx. 0.09' DNAPL, naphthalene-like odor	Approx. 0.01' DNAPL	Approx. 0.12' of DNAPL	Approx. 0.15' DNAPL	Approx. 0.10' DNAPL	Approx. 0.20' DNAPL	Approx. 0.07' DNAPL	Approx. 0.11' DNAPL
MW-03	Trace DNAPL at bottom of tape	Trace DNAPL at bottom of tape	None, naphthalene- like odor	No DNAPL observed	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	No DNAPL observed	Trace DNAPL (coating on tubes)	None Observed	Trace DNAPL (coating on tubes)
MW-04	None Observed	Trace DNAPL at bottom of tape	Trace DNAPL at bottom of tape	Trace DNAPL	Trace DNAPL	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)
MW-05	Approx. 3.0' of DNAPL	Approx. 0.75' of DNAPL, approx. 0.12' of LNAPL	DNAPL blebs in purge H ₂ O, 0.5' DNAPL coating on tubes	Approx. 0.15' of DNAPL, approx. 0.1' of LNAPL	Approx. 0.22' DNAPL; 0.05' of LNAPL	Approx. 0.55' DNAPL; 0.06' of LNAPL	Trace LNAPL; DNAPL in purge water (not measurable)	Trace LNAPL; DNAPL in purge water (not measurable)	Well Destroyed	Well Destroyed
MW-06	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-01S/01SR	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-01I/01IR	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-01D	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
SHMW-02S	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
SHMW-02I/02IR	Approx. 0.75' of DNAPL	Approx. 0.4' of DNAPL	Approx. 1.3' of DNAPL, naphthalene- like odor	Approx. 0.35' of DNAPL	Approx. 0.43' of DNAPL	Approx. 0.5' of DNAPL	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)
SHMW-02D/02DR	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-03S	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-03I	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-04S/04SR	Approx. 0.90' of DNAPL	Approx. 0.26' of DNAPL	Approx. 0.5' DNAPL, naphthalene-like odor	Approx. 0.25' of DNAPL	Approx. 0.5' of DNAPL	Approx. 0.25' of DNAPL	Approx. 0.30' of DNAPL	Approx. 0.40' DNAPL	Approx. 0.50' DNAPL	Approx. 0.5' DNAPL
SHMW-04I	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR

Table 2. Summary of Historical NAPL Observations
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q3 2013

Well ID	Jun/Q2 2005 Observations	Sep/Q3 2005 Observations	Dec/Q4 2005 Observations	Mar/Q1 2006 Observations	Jun/Q2 2006 Observations	Sep/Q3 2006 Observations	Dec/Q4 2006 Observations	Mar/Q1 2007 Observations	Jun/Q2 2007 Observations	Sep/Q3 2007 Observations
SHMW-05S/05SR	None Observed	None Observed	None Observed	No DNAPL observed	None Observed	None Observed	None Observed	None Observed	None Observed	NR
SHMW-05I/05IR	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-06S	NR	Trace DNAPL at bottom of tape	Approx. 0.10' DNAPL, naphthalene-like odor	Trace DNAPL	Approx. 0.2' of DNAPL	Approx. 0.2' of DNAPL	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)
SHMW-06I	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-07S/07SR	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-07I/07IR	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-08S	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-08I	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-09S	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-09I	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-10S	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-10I	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-11S	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-11I	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-12S	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-12I	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-13S	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-13I	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR

**Table 2. Summary of Historical NAPL Observations
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q3 2013**

Well ID	Dec/Q4 2007 Observations	Mar/Q1 2008 Observations	Jun/Q2 2008 Observations	Sep/Q3 2008 Observations	Dec/Q4 2008 Observations	Mar/Q1 2009 Observations	Jun/Q2 2009 Observations	Sep/Q3 2009 Observations	Dec/Q4 2009 Observations	Mar/Q1 2010 Observations
MW-01	None Observed	None Observed	Trace DNAPL	Trace DNAPL (at bottom of tubing)	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
MW-02	Approx. ~0.08'	Trace DNAPL	Moderate DNAPL; not measureable	Trace DNAPL	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
MW-03	Trace	Trace DNAPL (On bottom 1.5' of tubes)	Trace DNAPL	Trace DNAPL (0.05' at bottom of tubing)	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
MW-04	Approx. ~0.02'	NR	Trace DNAPL	Trace DNAPL (at bottom of tubing)	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
MW-05	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed
MW-06	None Observed	None Observed	None Observed	None Observed	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-01S/01SR	None Observed	None Observed	None Observed	None Observed	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-01I/01IR	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-01D	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
SHMW-02S	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
SHMW-02I/02IR	Approx. ~0.60'	Approx. 3' DNAPL	Approx. 1.5' DNAPL	Approx. 4' DNAPL	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-02D/02DR	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-03S	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-03I	None Observed	NR	NR	NR	None Observed	NR	None Observed	NR	None Observed	None Observed
SHMW-04S/04SR	Approx. ~0.61'	Approx. 1.05' DNAPL	Approx.0.6' DNAPL	Approx.0.75' DNAPL	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-04I	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned

Table 2. Summary of Historical NAPL Observations
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q3 2013

Well ID	Dec/Q4 2007 Observations	Mar/Q1 2008 Observations	Jun/Q2 2008 Observations	Sep/Q3 2008 Observations	Dec/Q4 2008 Observations	Mar/Q1 2009 Observations	Jun/Q2 2009 Observations	Sep/Q3 2009 Observations	Dec/Q4 2009 Observations	Mar/Q1 2010 Observations
SHMW-05S/05SR	None Observed	None Observed	None Observed	None Observed	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-05I/05IR	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-06S	Trace	Trace DNAPL (on tubing)	Trace DNAPL	Trace DNAPL (on tubing)	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-06I	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-07S/07SR	Trace	NR	NR	Trace DNAPL (on side of tubing approx 1' off bottom)	Well Inaccessible or Abandoned	Well Inaccessible	None Observed	Trace DNAPL (on side of tubing)	None Observed	None Observed
SHMW-07I/07IR	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Inaccessible	None Observed	NR	None Observed (approximately 10 feet of sand present in well)	None Observed (approximately 10 feet of sand present in well)
SHMW-08S	None Observed	None Observed	None Observed	None Observed	Well Inaccessible or Abandoned	Well Inaccessible	None Observed	None Observed	None Observed	None Observed
SHMW-08I	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Inaccessible	None Observed	NR	None Observed	None Observed
SHMW-09S	None Observed	None Observed	None Observed	None Observed	None Observed	Well Inaccessible	None Observed	None Observed	None Observed	Well Inaccessible
SHMW-09I	None Observed	NR	NR	NR	NR	NR	NR	NR	None Observed	None Observed
SHMW-10S	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-10I	None Observed	NR	NR	NR	NR	NR	NR	NR	None Observed	None Observed
SHMW-11S	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-11I	None Observed	NR	NR	NR	NR	NR	NR	NR	None Observed	None Observed
SHMW-12S	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-12I	None Observed	NR	NR	NR	NR	NR	NR	NR	None Observed	None Observed
SHMW-13S	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-13I	None Observed	NR	NR	NR	NR	NR	NR	NR	None Observed	None Observed

**Table 2. Summary of Historical NAPL Observations
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q3 2013**

Well ID	Jun/Q2 2010 Observations	Sep/Q3 2010 Observations	Dec/Q4 2010 Observations	Mar/Q1 2011 Observations	Jun/Q2 2011 Observations	Sep/Q3 2011 Observations	Dec/Q4 2011 Observations	Mar/Q1 2012 Observations	June/Q2 2012 Observations	Sep/Q3 2012 Observations
MW-01	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
MW-02	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
MW-03	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
MW-04	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
MW-05	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed
MW-06	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-01S/01SR	Well Abandoned	Well Abandoned	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-01I/01IR	Well Abandoned	Well Abandoned	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-01D	NI	NI	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-02S	NI	NI	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-02I/02IR	Well Abandoned	Well Abandoned	None Observed	Well Damaged	Well Damaged	Well Damaged	None Observed	None Observed	None Observed	None Observed
SHMW-02D/02DR	Well Abandoned	Well Abandoned	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-03S	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-03I	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-04S/04SR	Well Abandoned	Well Abandoned	Trace LNAPL - DNAPL observed on tubing	Trace LNAPL - DNAPL observed on tubing	Trace LNAPL - DNAPL observed on tubing	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-04I	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned

Table 2. Summary of Historical NAPL Observations
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q3 2013

Well ID	Jun/Q2 2010 Observations	Sep/Q3 2010 Observations	Dec/Q4 2010 Observations	Mar/Q1 2011 Observations	Jun/Q2 2011 Observations	Sep/Q3 2011 Observations	Dec/Q4 2011 Observations	Mar/Q1 2012 Observations	June/Q2 2012 Observations	Sep/Q3 2012 Observations
SHMW-05S/05SR	Well Abandoned	Well Abandoned	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-05I/05IR	Well Abandoned	Well Abandoned	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-06S	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-06I	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-07S/07SR	Well Inaccessible	Well Inaccessible	Trace LNAPL - DNAPL observed on tubing	Trace LNAPL - DNAPL observed on tubing	Trace LNAPL - DNAPL observed on tubing	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-07I/07IR	Well Inaccessible	Well Inaccessible	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-08S	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-08I	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-09S	None Observed	None Observed	No access	No access	No access	No access	No access	No access	No access	No access
SHMW-09I	None Observed	None Observed	No access	No access	No access	No access	No access	No access	No access	No access
SHMW-10S	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-10I	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-11S	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-11I	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-12S	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-12I	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-13S	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-13I	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed

**Table 2. Summary of Historical NAPL Observations
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q3 2013**

Well ID	Dec/Q4 2012 Observations	Mar/Q1 2013 Observations	June/Q2 2013 Observations	Sept/Q3 2013 Observations
MW-01	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
MW-02	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
MW-03	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
MW-04	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
MW-05	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed
MW-06	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-01S/01SR	None Observed	None Observed	None Observed	None Observed
SHMW-01I/01IR	None Observed	None Observed	None Observed	None Observed
SHMW-01D	None Observed	None Observed	None Observed	None Observed
SHMW-02S	None Observed	None Observed	None Observed	None Observed
SHMW-02I/02IR	None Observed	None Observed	None Observed	None Observed
SHMW-02D/02DR	None Observed	None Observed	None Observed	None Observed
SHMW-03S	None Observed	None Observed	None Observed	None Observed
SHMW-03I	None Observed	None Observed	None Observed	None Observed
SHMW-04S/04SR	None Observed	None Observed	None Observed	None Observed
SHMW-04I	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned

Table 2. Summary of Historical NAPL Observations
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q3 2013

Well ID	Dec/Q4 2012 Observations	Mar/Q1 2013 Observations	June/Q2 2013 Observations	Sept/Q3 2013 Observations
SHMW-05S/05SR	None Observed	None Observed	None Observed	None Observed
SHMW-05I/05IR	None Observed	None Observed	None Observed	None Observed
SHMW-06S	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-06I	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-07S/07SR	None Observed	None Observed	None Observed	None Observed
SHMW-07I/07IR	None Observed	None Observed	None Observed	None Observed
SHMW-08S	None Observed	None Observed	None Observed	None Observed
SHMW-08I	None Observed	None Observed	None Observed	None Observed
SHMW-09S	No access	No access	None Observed	None Observed
SHMW-09I	No access	No access	None Observed	None Observed
SHMW-10S	None Observed	None Observed	None Observed	None Observed
SHMW-10I	None Observed	None Observed	None Observed	None Observed
SHMW-11S	None Observed	None Observed	None Observed	None Observed
SHMW-11I	None Observed	None Observed	None Observed	None Observed
SHMW-12S	None Observed	None Observed	None Observed	None Observed
SHMW-12I	None Observed	None Observed	None Observed	None Observed
SHMW-13S	None Observed	None Observed	None Observed	None Observed
SHMW-13I	None Observed	None Observed	None Observed	None Observed

General Notes:

DNAPL = Dense Non-aqueous Phase Liquid

LNAPL = Light Non-aqueous Phase Liquid

WC = Water Column

NR = Gauging Not Required

NI = Not Installed

Table 3. Summary of BTEX, MTBE and PAH Results
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q3 2013

Analyte	NYS AWQS										Duplicate of:				Duplicate of:
		SHMW-01SR	SHMW-02S	SHMW-03S	SHMW-04SR	SHMW-05S	SHMW-07SR	SHMW-08S	SHMW-09S	SHMW-10S	SHMW-10S	SHMW-11S	SHMW-12S	SHMW-13S	SHMW-13S
		9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/24/2013	9/24/2013	9/24/2013	9/24/2013	9/24/2013	9/24/2013	9/26/2013	9/26/2013	9/26/2013
BTEX (µg/L)															
Benzene	1	1 U	1 U	1 U	390 D	11	370	4	91	1 U	1 U	1 U	100	1 U	1 U
Toluene	5	1 U	1 U	1 U	19	1 U	12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	290 D	3	410	1 U	12	1 U	1 U	1 U	9	1 U	1 U
Total Xylene	5	1 U	1 U	1 U	250	3	180	1 U	15	1 U	1 U	1 U	33	1 U	1 U
Total BTEX	NE	ND	ND	ND	949	17	972	4	118	ND	ND	ND	142	ND	ND
Other VOCs (µg/L)															
Methyl tert-butyl ether (MTBE)	10*	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
PAHs (µg/L)															
Acenaphthene	20*	10 U	10 U	9 J	150 DJ	37	360 J	34	130 D	10 U	10 U	2 J	7 J	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	3 J	10 U	24	10 U	10 U	10 U	10 U	5 J	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	8 J	10 U	150 J	5 J	3 J	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	110 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	74	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	31	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	26	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	86 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	100 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NE	10 U	10 U	10 U	10 U	10 U	7 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	6 J	10 U	190 J	5 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	2 J	34	10	160 J	18	24	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	22	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	130 DJ	3 J	330 J	2 J	1 J	10 U	10 U	10 U	7 J	10 U	10 U
Naphthalene	10*	10 U	10 U	2 J	1500 D	100 D	1500	73	420 D	10 U	10 U	10 U	590 D	10 U	10 U
Phenanthrene	50*	10 U	10 U	3 J	37	5 J	570	38	25	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	7 J	10 U	290 J	5 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH	NE	ND	ND	16	1875	155	4030	180	603	ND	ND	7	604	ND	ND

Table 3. Summary of BTEX, MTBE and PAH Results
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q3 2013

Notes:

µg/L - micrograms per liter or parts per billion (ppb)

BTEX - benzene, toluene, ethylbenzene, and xylenes

VOCs - volatile organic compounds

PAHs - polycyclic aromatic hydrocarbons

Total BTEX and Total PAHs are calculated using detects only.

NYS AWQS - New York State Ambient Water Quality Standards and Guidance Values for GA groundwater

* indicates the value is a guidance value and not a standard

NYSDEC- New York State Department of Environmental Conservation

NE - not established

ND - not detected

Bolding indicates a detected result concentration

Shading and bolding indicates that the detected concentration is above the NYSDOH guidance it was compared to

Data Qualifiers:

D - Results for dilution

DJ - Results for dilution are an estimated value

J - Estimated value

U - Indicates not detected to the reporting limit

Table 4. Summary of Historical BTEX Results
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q3 2013

Well No.	Screen Interval (feet)	BTEX Concentrations (µg/L)																	
		Sampling Date																	
		2005																	
		Nov	Mar	Apr	May	May	Aug	Mar/Apr	June	Sept	Dec	March	June	Sept	Dec	March	June	Sept	Dec
MW-01	1.50 - 7.32	2,720	10	68	9	4	0	0	12	67	0	21	47	310	190	160	240	150	270
MW-02	0.50 - 7.25	5,429	8,840	7,940	5,840	13,287	8,740	7,333	13,010	--	13,720	7,591	--	14,174	12,267	8,678	12,810	15,181	98
MW-03	2.17 - 10.17	1,222	668	1,553	1,363	2,573	--	2,050	2,867	560	2,622	4,880	1,971	4,965	2,398	1,680	2,930	3,225	2,831
MW-04	1.25 - 6.81	864	35	--	10	208	--	0	0	225	299	268	193	181	101	0	51	89	66
MW-05	2.46 - 7.46	9,100	170	5	102	11,600	2,938	2,697	18,900	--	--	--	--	--	--	--	--	--	--
MW-06	2.47 - 7.47	334	47	30	91	49	--	33	55	39	36	74	37	11	54	0	37	31	0
SHMW-01S/01SR	1.0 - 6.0	--	--	1,413	874	2,102	--	1,367	1,810	406	1,313	2,562	2,085	5,183	2,915	691	2,460	2,600	1,684
SHMW-01I/01IR	35.0 - 45.0	--	--	5	0	0	--	--	--	--	0	--	--	--	0	0	--	--	--
SHMW-01D	65.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SHMW-02S	1.0 - 6.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SHMW-02I/02IR	35.0 - 45.0	--	--	26	0	1,179	16	20	20	19	25	0	0	0	0	--	11	12	15
SHMW-02D/02DR	65.0 - 75.0	--	--	5	4	0	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-03S	2.0 - 12.0	--	--	63	0	110	--	48	53	46	75	131	67	97	13	122	80	12	50
SHMW-03I	35.0 - 45.0	--	--	0	52	0	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-04S/04SR	2.0 - 12.0	--	--	7,940	3,154	12,180	--	9,369	17,730	8,960	21,920	25,860	9,361	18,398	10,489	6,883	20,488	16,120	10,378
SHMW-04I	35.0 - 45.0	--	--	5	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-05S/05SR	2.0 - 12.0	--	--	37	69	83	--	107	282	2,960	115	202	45	43	26	35	458	676	98
SHMW-05I/05IR	35.0 - 45.0	--	--	0	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-06S	2.0 - 6.0	--	--	2,392	2,463	3,057	--	2,630	1,950	--	2,910	2,622	1,702	4,289	2,196	1,475	2,285	2,162	1,565
SHMW-06I	35.0 - 45.0	--	--	0	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-07S/07SR	1.0 - 11.0	--	--	2,011	1,562	414	--	1,482	3,340	2,458	1,722	1,400	1,060	--	1,137	185	--	2,139	726
SHMW-07I/07IR	35.0 - 45.0	--	--	0	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-08S	1.0 - 7.0	--	--	5	2	9	--	0	14	0	15	11	0	19	0	0	0	0	12
SHMW-08I	35.0 - 45.0	--	--	0	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-09S	2.0 - 12.0	--	--	1,024	506	1,100	--	500	1,000	--	920	1,130	770	768	500	418	1,240	178	600
SHMW-09I	35.0 - 45.0	--	--	0	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-10S	5.0 - 15.0	--	--	--	0	0	--	0	0	0	0	0	0	0	0	0	0	0	0
SHMW-10I	35.5 - 45.5	--	--	--	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-11S	3.5 - 13.5	--	--	--	0	0	--	0	0	0	0	0	0	0	0	0	0	0	0
SHMW-11I	35.0 - 45.0	--	--	--	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-12S	1.5 - 6.5	--	--	--	0	344	--	142	930	69	290	140	463	581	182	85	623	81	0
SHMW-12I	35.0 - 45.0	--	--	--	0	0	--	--	--	--	0	--	--	--	0	--	--	--	23
SHMW-13S	1.5 - 6.5	--	--	--	0	0	--	0	0	0	0	0	0	0	0	0	0	0	0
SHMW-13I	35.0 - 45.0	--	--	--	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0

Table 4. Summary of Historical BTEX Results
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q3 2013

Well No.	Screen Interval (feet)	BTEX Concentrations (µg/L)															
		Sampling Date															
		2008				2009				2010				2011			
		March	June	Sept	Dec	March	June	Sept	Dec	March	June	Sept	Dec	March	June	Sept	Dec
MW-01	1.50 - 7.32	337	141	208	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-02	0.50 - 7.25	8,865	7,415	2,240	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-03	2.17 - 10.17	2,842	2,241	2,875	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-04	1.25 - 6.81	--	15	79	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-05	2.46 - 7.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-06	2.47 - 7.47	1	33	7	--	--	--	--	--	--	--	--	--	--	--	--	--
SHMW-01S/01SR	1.0 - 6.0	1,595	306	243	--	--	--	--	--	--	--	--	0	1	0	0	3
SHMW-01I/01IR	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--	3
SHMW-01D	65.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--	3
SHMW-02S	1.0 - 6.0	--	--	--	--	--	--	--	--	--	--	--	3	0	3	0	5
SHMW-02I/02IR	35.0 - 45.0	18	41	29	--	--	--	--	--	--	--	--	4	0	--	--	14
SHMW-02D/02DR	65.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--	0
SHMW-03S	2.0 - 12.0	3	0	5	13	111	24	4	9	40	5	0	9	24	2	3	18
SHMW-03I	35.0 - 45.0	--	--	--	0	--	0	--	0	--	--	--	0	--	--	--	0
SHMW-04S/04SR	2.0 - 12.0	7,567	8,059	7,561	--	--	--	--	--	--	--	--	2,717	702	469	292	572
SHMW-04I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SHMW-05S/05SR	2.0 - 12.0	77	83	64	--	--	--	--	--	--	--	--	20	22	25	27	45
SHMW-05I/05IR	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--	0
SHMW-06S	2.0 - 6.0	1,296	1,343	1,298	--	--	--	--	--	--	--	--	--	--	--	--	--
SHMW-06I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SHMW-07S/07SR	1.0 - 11.0	--	1,075	1,374	--	--	1,500	3,472	2,183	1,825	3,946	--	858	455	1,172	607	700
SHMW-07I/07IR	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--	11
SHMW-08S	1.0 - 7.0	8	9	10	--	--	5	5	4	6	13	4	9	7	10	5	9
SHMW-08I	35.0 - 45.0	--	--	--	--	--	0	--	0	--	--	--	0	--	--	--	5
SHMW-09S	2.0 - 12.0	1,039	1,298	671	483	--	584	455	224	--	--	--	--	--	--	--	--
SHMW-09I	35.0 - 45.0	--	--	--	0	--	0	--	0	--	--	--	--	--	--	--	--
SHMW-10S	5.0 - 15.0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHMW-10I	35.5 - 45.5	--	--	--	0	--	0	--	0	--	--	--	0	--	--	--	5
SHMW-11S	3.5 - 13.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
SHMW-11I	35.0 - 45.0	--	--	--	0	--	0	--	0	--	--	--	0	--	--	--	0
SHMW-12S	1.5 - 6.5	166	482	111	279	28	315	45	58	222	217	8	70	82	672	473	337
SHMW-12I	35.0 - 45.0	--	--	--	0	--	--	--	2	--	--	--	0	--	--	--	6
SHMW-13S	1.5 - 6.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
SHMW-13I	35.0 - 45.0	--	--	--	0	--	0	--	0	--	--	--	0	--	--	--	0

Table 4. Summary of Historical BTEX Results
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q3 2013

Well No.	Screen Interval (feet)	BTEX Concentrations (µg/L)							Min	Max	Mean
		Sampling Date									
		2012				2013					
		March	June	Sept	Dec	March	June	Sept			
MW-01	1.50 - 7.32	--	--	--	--	--	--	--	0	2,720	236
MW-02	0.50 - 7.25	--	--	--	--	--	--	--	98	15,181	9,129
MW-03	2.17 - 10.17	--	--	--	--	--	--	--	560	4,965	2,416
MW-04	1.25 - 6.81	--	--	--	--	--	--	--	0	864	149
MW-05	2.46 - 7.46	--	--	--	--	--	--	--	5	18,900	5,689
MW-06	2.47 - 7.47	--	--	--	--	--	--	--	0	334	50
SHMW-01S/01SR	1.0 - 6.0	0	0	0	0	1	8	0	0	5,183	1,054
SHMW-01I/01IR	35.0 - 45.0	--	--	--	0	--	--	--	0	5	1
SHMW-01D	65.0 - 75.0	--	--	--	0	--	--	--	0	3	1
SHMW-02S	1.0 - 6.0	1	0	0	0	0	5	0	0	5	1
SHMW-02I/02IR	35.0 - 45.0	--	--	--	0	--	--	--	0	1,179	66
SHMW-02D/02DR	65.0 - 75.0	--	--	--	0	--	--	--	0	5	1
SHMW-03S	2.0 - 12.0	0	1	1	0	6	0	0	0	131	33
SHMW-03I	35.0 - 45.0	--	--	--	0	--	--	--	0	52	4
SHMW-04S/04SR	2.0 - 12.0	391	709	654	449	158	14	949	14	25,860	7,683
SHMW-04I	35.0 - 45.0	--	--	--	--	--	--	--	0	5	1
SHMW-05S/05SR	2.0 - 12.0	25	29	28	16	16	683	17	16	2,960	214
SHMW-05I/05IR	35.0 - 45.0	--	--	--	0	--	--	--	0	0	0
SHMW-06S	2.0 - 6.0	--	--	--	--	--	--	--	1,296	4,289	2,214
SHMW-06I	35.0 - 45.0	--	--	--	--	--	--	--	0	0	0
SHMW-07S/07SR	1.0 - 11.0	1,418	670	2,822	251	1,289	852	972	185	3,946	1,471
SHMW-07I/07IR	35.0 - 45.0	--	--	--	0	--	--	--	0	11	1
SHMW-08S	1.0 - 7.0	5	7	2	6	5	6	4	0	19	6
SHMW-08I	35.0 - 45.0	--	--	--	0	--	--	--	0	5	0
SHMW-09S	2.0 - 12.0	--	--	130	165	167	198	118	118	1,298	623
SHMW-09I	35.0 - 45.0	--	--	0	0	--	--	--	0	0	0
SHMW-10S	5.0 - 15.0	0	0	0	0	0	0	0	0	1	0
SHMW-10I	35.5 - 45.5	--	--	--	0	--	--	--	0	5	0
SHMW-11S	3.5 - 13.5	0	0	0	0	0	0	0	0	8	0
SHMW-11I	35.0 - 45.0	--	--	--	0	--	--	--	0	0	0
SHMW-12S	1.5 - 6.5	127	434	41	19	87	175	142	0	930	230
SHMW-12I	35.0 - 45.0	--	--	--	0	--	--	--	0	23	3
SHMW-13S	1.5 - 6.5	12	0	0	0	0	0	0	0	12	0
SHMW-13I	35.0 - 45.0	--	--	--	0	--	--	--	0	0	0

NOTES:

-- not analyzed or not applicable

µg/L - micrograms per liter

BTEX - benzene, toluene, ethylbenzene, and xylene

Table 5. Summary of Historical Total PAH Results
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q3 2013

Well No.	Screen Interval (feet)	Total PAH Concentrations (µg/L)																			
		Sampling Date																			
		1995	2000		2002	2004		2005				2006				2007				2008	
		Nov	Mar	Apr	May	May	Aug	Mar/Apr	June	Sept	Dec	March	June	Sept	Dec	March	June	Sept	Dec	March	June
MW-01	1.50 - 7.32	4,906	1,548	257	402	30	24	0	61	200	0	0	0	97	95	0	54	87	39	145	2
MW-02	0.50 - 7.25	6,991	5,511	5,114	10,729	25,167	4,414	5,809	10,504	--	6,919	5,209	--	0	8,617	3,150	7,421	5,398	165	400	3,455
MW-03	2.17 - 10.17	7,034	3,065	3,433	3,774	3,522	--	2,272	4,557	516	92	1,256	565	4,831	6,212	349	489	463	2,904	508	96
MW-04	1.25 - 6.81	3,612	75	--	0	90	--	0	22	1,098	103	11	37	66	31	0	66	238	6	--	0
MW-05	2.46 - 7.46	16,386	779	101	1,160	431,600	2,049	918	188,200	--	--	--	--	--	--	--	--	--	--	--	--
MW-06	2.47 - 7.47	5,416	894	653	258	33	--	90	79	204	0	22	0	0	645	35	46	17	0	0	0
SHMW-01S/01SR	1.0 - 6.0	--	--	4,147	2,663	2,424	--	1,989	2,185	840	0	42	115	3,989	3,874	0	1,058	1,691	42	0	0
SHMW-01I/01IR	35.0 - 45.0	--	--	32	0	0	--	--	--	--	0	--	--	--	0	--	--	--	--	--	--
SHMW-01D	65.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SHMW-02S	1.0 - 6.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SHMW-02I/02IR	35.0 - 45.0	--	--	266	0	580,200	41	185	124	271	30	74	32	91	89	0	10	175	32	8	42
SHMW-02D/02DR	65.0 - 75.0	--	--	308	76	89	--	--	--	--	0	--	--	--	0	--	--	--	15	--	--
SHMW-03S	2.0 - 12.0	--	--	422	0	295	--	79	130	117	339	0	0	147	118	430	191	12	154	0	0
SHMW-03I	35.0 - 45.0	--	--	2	320	0	--	--	--	--	0	--	--	--	0	--	--	--	0	--	--
SHMW-04S/04SR	2.0 - 12.0	--	--	4,275	5,107	5,965	--	3,959	6,669	4,684	5,879	2,364	3,572	4,196	6,250	2,632	3,999	4,693	4,305	0	1,328
SHMW-04I	35.0 - 45.0	--	--	18	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0	--	--
SHMW-05S/05SR	2.0 - 12.0	--	--	13	170	94	--	82	91	26	53	17	11	11	110	0	0	14	8	2	0
SHMW-05I/05IR	35.0 - 45.0	--	--	0	17	0	--	--	--	--	0	--	--	--	0	--	--	--	0	--	--
SHMW-06S	2.0 - 6.0	--	--	4,130	4,694	3,024	--	3,162	2,366	--	4,157	120	201	3,900	4,062	1,703	3,574	4,368	380	0	44
SHMW-06I	35.0 - 45.0	--	--	2	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0	--	--
SHMW-07S/07SR	1.0 - 11.0	--	--	7,211	6,585	2,708	--	3,224	4,604	6,187	3,507	2,004	3,119	--	3,721	0	--	3,902	4	--	54
SHMW-07I/07IR	35.0 - 45.0	--	--	0	0	0	--	--	--	--	0	--	--	--	2,212	--	--	--	0	--	--
SHMW-08S	1.0 - 7.0	--	--	110	71	94	--	25	70	33	83	112	57	77	99	13	90	10	13	14	21
SHMW-08I	35.0 - 45.0	--	--	13	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0	--	--
SHMW-09S	2.0 - 12.0	--	--	1,787	2,472	1,697	--	1,463	1,600	--	2,609	94	1,935	1,138	2,737	48	206	2,246	130	0	92
SHMW-09I	35.0 - 45.0	--	--	3	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0	--	--
SHMW-10S	5.0 - 15.0	--	--	--	22	6	--	0	0	0	0	0	0	0	0	0	0	0	1	0	0
SHMW-10I	35.5 - 45.5	--	--	--	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0	--	--
SHMW-11S	3.5 - 13.5	--	--	--	0	3	--	173	0	0	0	0	0	0	0	0	0	0	0	0	0
SHMW-11I	35.0 - 45.0	--	--	--	0	0	--	--	--	--	0	--	--	--	0	--	--	--	4	--	--
SHMW-12S	1.5 - 6.5	--	--	--	60	218	--	71	600	230	260	110	470	310	280	15	560	0	155	9	137
SHMW-12I	35.0 - 45.0	--	--	--	0	0	--	--	--	--	0	--	--	--	0	--	--	--	20	--	--
SHMW-13S	1.5 - 6.5	--	--	--	0	0	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHMW-13I	35.0 - 45.0	--	--	--	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0	--	--

Table 5. Summary of Historical Total PAH Results
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q3 2013

Well No.	Screen Interval (feet)	Total PAH Concentrations (µg/L)																	
		Sampling Date																	
		2008		2009				2010				2011				2012			
		Sep	Dec	March	June	Sept	Dec	March	June	Sept	Dec	March	June	Sept	Dec	March	June	Sept	Dec
MW-01	1.50 - 7.32	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-02	0.50 - 7.25	3,488	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-03	2.17 - 10.17	1,109	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-04	1.25 - 6.81	22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-05	2.46 - 7.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-06	2.47 - 7.47	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SHMW-01S/01SR	1.0 - 6.0	0	--	--	--	--	--	--	--	--	0	0	0	0	4	7	21	0	0
SHMW-01I/01IR	35.0 - 45.0	--	--	--	--	--	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-01D	65.0 - 75.0	--	--	--	--	--	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-02S	1.0 - 6.0	--	--	--	--	--	--	--	--	--	0	0	0	0	0	5	0	0	0
SHMW-02I/02IR	35.0 - 45.0	209	--	--	--	--	--	--	--	--	9	3	--	--	0	--	--	--	56
SHMW-02D/02DR	65.0 - 75.0	--	--	--	--	--	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-03S	2.0 - 12.0	17	29	0	20	0	0	0	22	0	0	2	7	25	22	6	10	22	2
SHMW-03I	35.0 - 45.0	--	0	--	0	--	0	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-04S/04SR	2.0 - 12.0	1,868	--	--	--	--	--	--	--	--	3,598	1,440	978	811	942	581	1,296	1,195	639
SHMW-04I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SHMW-05S/05SR	2.0 - 12.0	31	--	--	--	--	--	--	--	--	0	4	167	273	131	309	219	420	20
SHMW-05I/05IR	35.0 - 45.0	--	--	--	--	--	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-06S	2.0 - 6.0	5,848	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SHMW-06I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SHMW-07S/07SR	1.0 - 11.0	3,252	--	--	2,919	4,722	5,286	3,410	4,547	--	1,456	0	1,736	885	955	927	444	4,342	419
SHMW-07I/07IR	35.0 - 45.0	--	--	--	--	--	--	--	--	--	0	--	--	--	4	--	--	--	0
SHMW-08S	1.0 - 7.0	55	--	--	59	60	112	129	201	34	3	11	185	195	35	152	111	113	182
SHMW-08I	35.0 - 45.0	--	--	--	1	--	0	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-09S	2.0 - 12.0	485	503	--	68	39	389	--	--	--	--	--	--	--	--	--	--	787	690
SHMW-09I	35.0 - 45.0	--	0	--	0	--	0	--	--	--	--	--	--	--	--	--	--	0	0
SHMW-10S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3	0	0
SHMW-10I	35.5 - 45.5	--	0	--	0	--	0	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-11S	3.5 - 13.5	0	0	0	0	2	0	0	0	0	0	0	0	2	4	6	0	0	2
SHMW-11I	35.0 - 45.0	--	0	--	0	--	0	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-12S	1.5 - 6.5	259	280	0	332	4	216	177	585	3	0	0	584	739	513	154	361	217	104
SHMW-12I	35.0 - 45.0	--	0	--	--	--	0	--	--	--	0	--	--	--	2	--	--	--	0
SHMW-13S	1.5 - 6.5	0	0	0	0	0	0	0	0	0	0	0	0	3	2	2	0	0	0
SHMW-13I	35.0 - 45.0	--	0	--	0	--	0	--	--	--	0	--	--	--	1	--	--	--	0

Table 5. Summary of Historical Total PAH Results
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q3 2013

Well No.	Screen Interval (feet)	Total PAH Concentrations (µg/L)					
		Sampling Date			Min	Max	Mean
		2013					
		March	June	Sept			
MW-01	1.50 - 7.32	--	--	--	0	4,906	380
MW-02	0.50 - 7.25	--	--	--	0	25,167	6,235
MW-03	2.17 - 10.17	--	--	--	92	7,034	2,352
MW-04	1.25 - 6.81	--	--	--	0	3,612	304
MW-05	2.46 - 7.46	--	--	--	101	431,600	80,149
MW-06	2.47 - 7.47	--	--	--	0	5,416	420
SHMW-01S/01SR	1.0 - 6.0	8	0	0	0	4,147	837
SHMW-01I/01IR	35.0 - 45.0	--	--	--	0	32	4
SHMW-01D	65.0 - 75.0	--	--	--	0	0	0
SHMW-02S	1.0 - 6.0	5	0	0	0	5	1
SHMW-02I/02IR	35.0 - 45.0	--	--	--	0	580,200	25,302
SHMW-02D/02DR	65.0 - 75.0	--	--	--	0	308	54
SHMW-03S	2.0 - 12.0	23	14	16	0	430	70
SHMW-03I	35.0 - 45.0	--	--	--	0	320	27
SHMW-04S/04SR	2.0 - 12.0	402	100	1,875	0	6,669	2,853
SHMW-04I	35.0 - 45.0	--	--	--	0	18	3
SHMW-05S/05SR	2.0 - 12.0	107	175	155	0	420	90
SHMW-05I/05IR	35.0 - 45.0	--	--	--	0	17	2
SHMW-06S	2.0 - 6.0	--	--	--	0	5,848	2,690
SHMW-06I	35.0 - 45.0	--	--	--	0	2	0
SHMW-07S/07SR	1.0 - 11.0	2620	950	4,030	0	7,211	2,804
SHMW-07I/07IR	35.0 - 45.0	--	--	--	0	2,212	246
SHMW-08S	1.0 - 7.0	95	151	180	3	201	85
SHMW-08I	35.0 - 45.0	--	--	--	0	13	1
SHMW-09S	2.0 - 12.0	721	575	603	0	2,737	966
SHMW-09I	35.0 - 45.0	--	--	--	0	3	0
SHMW-10S	5.0 -15.0	0	0	0	0	22	1
SHMW-10I	35.5 - 45.5	--	--	--	0	0	0
SHMW-11S	3.5 - 13.5	1	0	7	0	173	5
SHMW-11I	35.0 - 45.0	--	--	--	0	4	0
SHMW-12S	1.5 - 6.5	62	410	604	0	739	246
SHMW-12I	35.0 - 45.0	--	--	--	0	20	2
SHMW-13S	1.5 - 6.5	0	0	0	0	3	0
SHMW-13I	35.0 - 45.0	--	--	--	0	1	0

NOTES:

-- not analyzed or not applicable

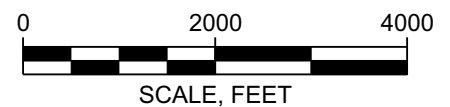
µg/L - micrograms per liter

PAH - polycyclic aromatic hydrocarbons

Figures



SOURCE: Map created with TOPO! © 2001 National Geographic
(www.nationalgeographic.com/topo)"



SAG HARBOR FORMER MGP SITE
SAG HARBOR, NEW YORK

nationalgrid

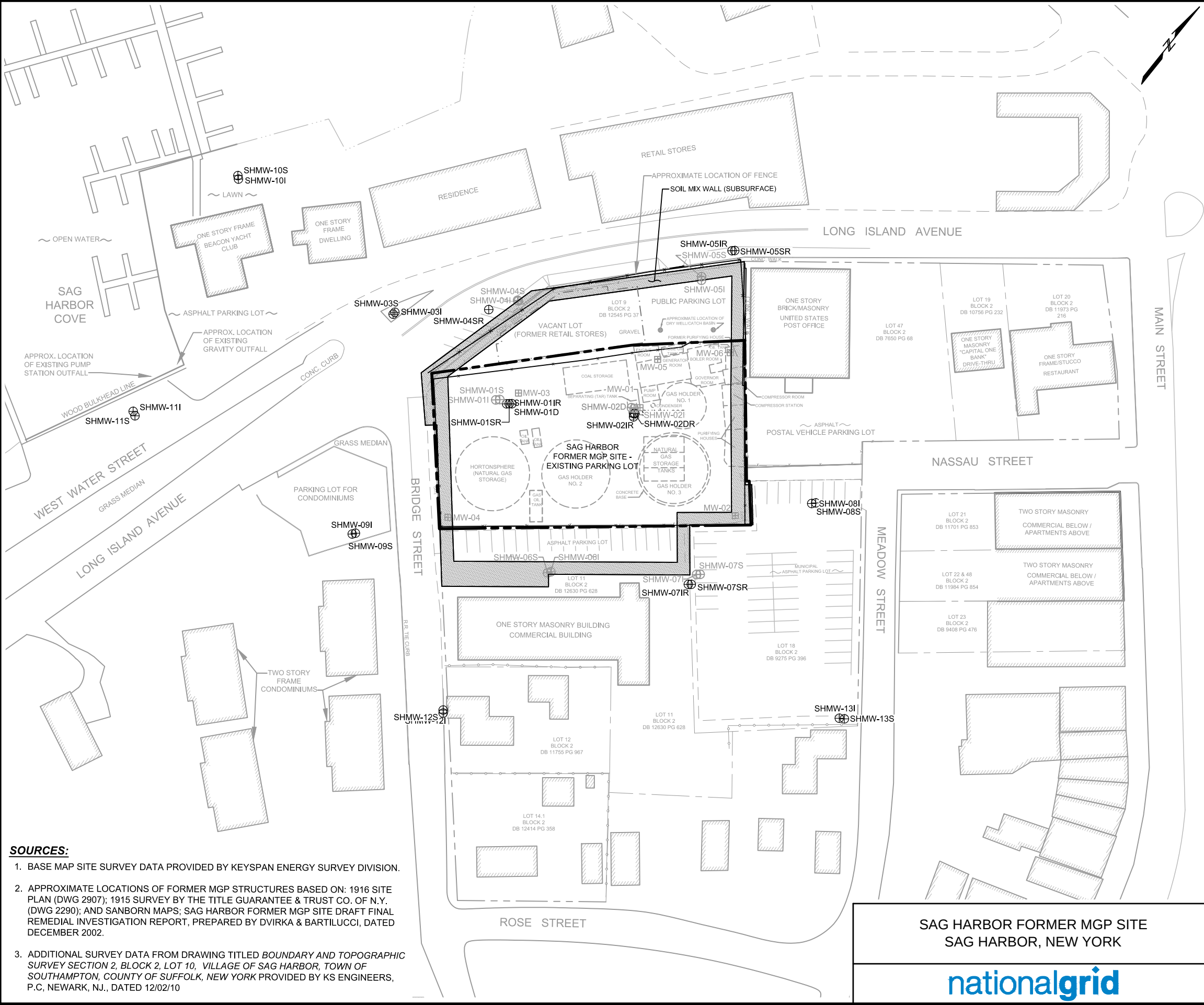


Project 093190-2-1203

SITE LOCATION MAP

November 2013

Figure 1



LEGEND

APPROXIMATE LOCATION OF FORMER MGP STRUCTURE

LOCATION OF EXISTING STRUCTURE

CURRENT SITE BOUNDARY

ADJACENT SITE BOUNDARY

CHAIN-LINK FENCE

STOCKADE FENCE

SHMW-05S

FORMER MONITORING WELL (WELL ABANDONED OR DESTROYED)

SHMW-03S

MONITORING WELL

- SOURCES:**
1. BASE MAP SITE SURVEY DATA PROVIDED BY KEYSpan ENERGY SURVEY DIVISION.
 2. APPROXIMATE LOCATIONS OF FORMER MGP STRUCTURES BASED ON: 1916 SITE PLAN (DWG 2907); 1915 SURVEY BY THE TITLE GUARANTEE & TRUST CO. OF N.Y. (DWG 2290); AND SANBORN MAPS; SAG HARBOR FORMER MGP SITE DRAFT FINAL REMEDIAL INVESTIGATION REPORT, PREPARED BY DVIRKA & BARTILUCCI, DATED DECEMBER 2002.
 3. ADDITIONAL SURVEY DATA FROM DRAWING TITLED *BOUNDARY AND TOPOGRAPHIC SURVEY SECTION 2, BLOCK 2, LOT 10, VILLAGE OF SAG HARBOR, TOWN OF SOUTHAMPTON, COUNTY OF SUFFOLK, NEW YORK* PROVIDED BY KS ENGINEERS, P.C, NEWARK, NJ., DATED 12/02/10



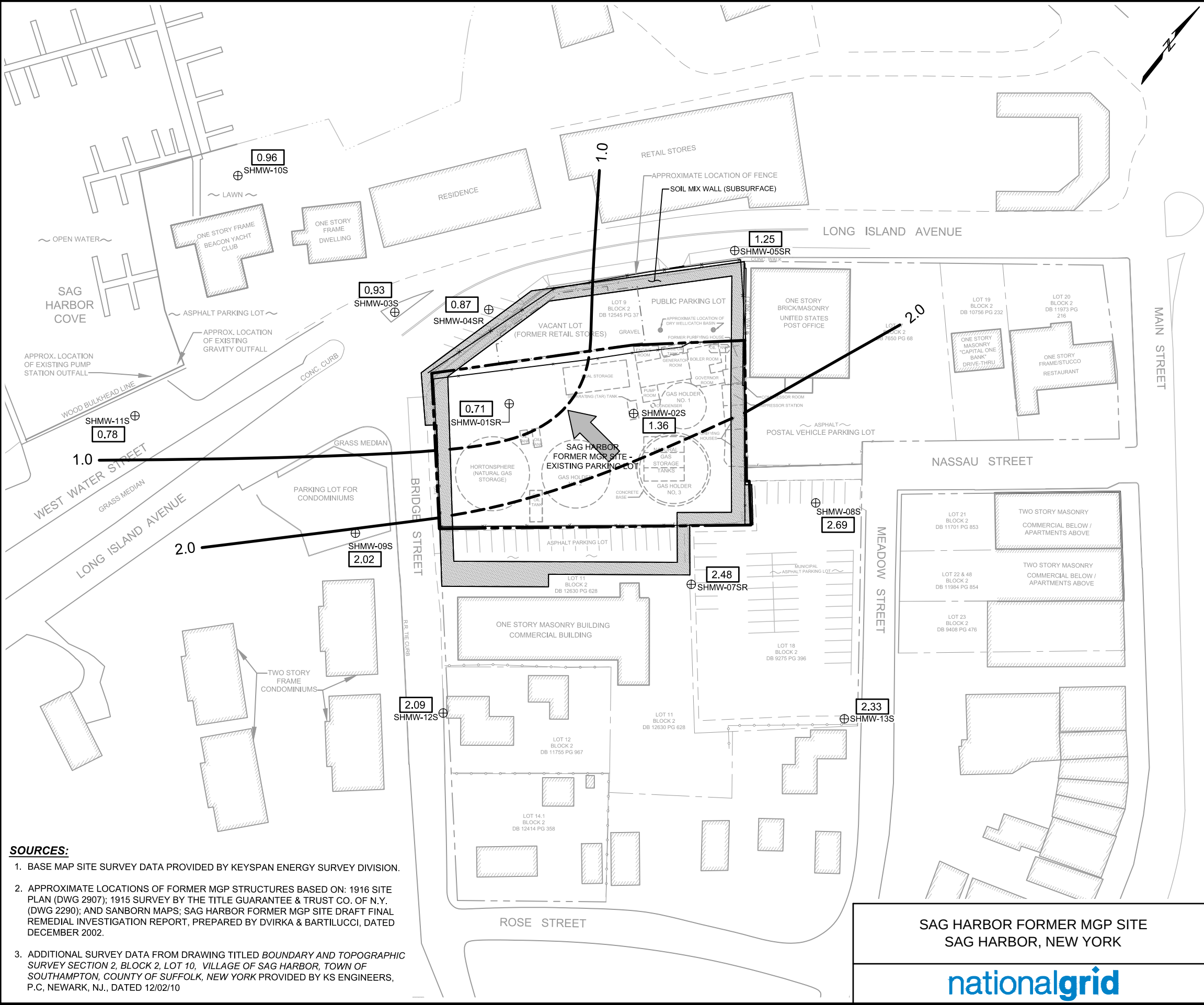
SAG HARBOR FORMER MGP SITE
SAG HARBOR, NEW YORK

Project 093190-2-1203

MONITORING WELL
LOCATION MAP

November 2013

Figure 2



LEGEND

APPROXIMATE LOCATION OF FORMER MGP STRUCTURE

LOCATION OF EXISTING STRUCTURE

CURRENT SITE BOUNDARY

ADJACENT SITE BOUNDARY

CHAIN-LINK FENCE

STOCKADE FENCE

FORMER MONITORING WELL (WELL ABANDONED OR DESTROYED)

MONITORING WELL

GROUNDWATER ELEVATION IN FEET

1.0 GROUNDWATER CONTOUR (FEET)

2.0 GROUNDWATER CONTOUR (INFERRED)

- SOURCES:**
1. BASE MAP SITE SURVEY DATA PROVIDED BY KEYSpan ENERGY SURVEY DIVISION.
 2. APPROXIMATE LOCATIONS OF FORMER MGP STRUCTURES BASED ON: 1916 SITE PLAN (DWG 2907); 1915 SURVEY BY THE TITLE GUARANTEE & TRUST CO. OF N.Y. (DWG 2290); AND SANBORN MAPS; SAG HARBOR FORMER MGP SITE DRAFT FINAL REMEDIAL INVESTIGATION REPORT, PREPARED BY DVIRKA & BARTILUCCI, DATED DECEMBER 2002.
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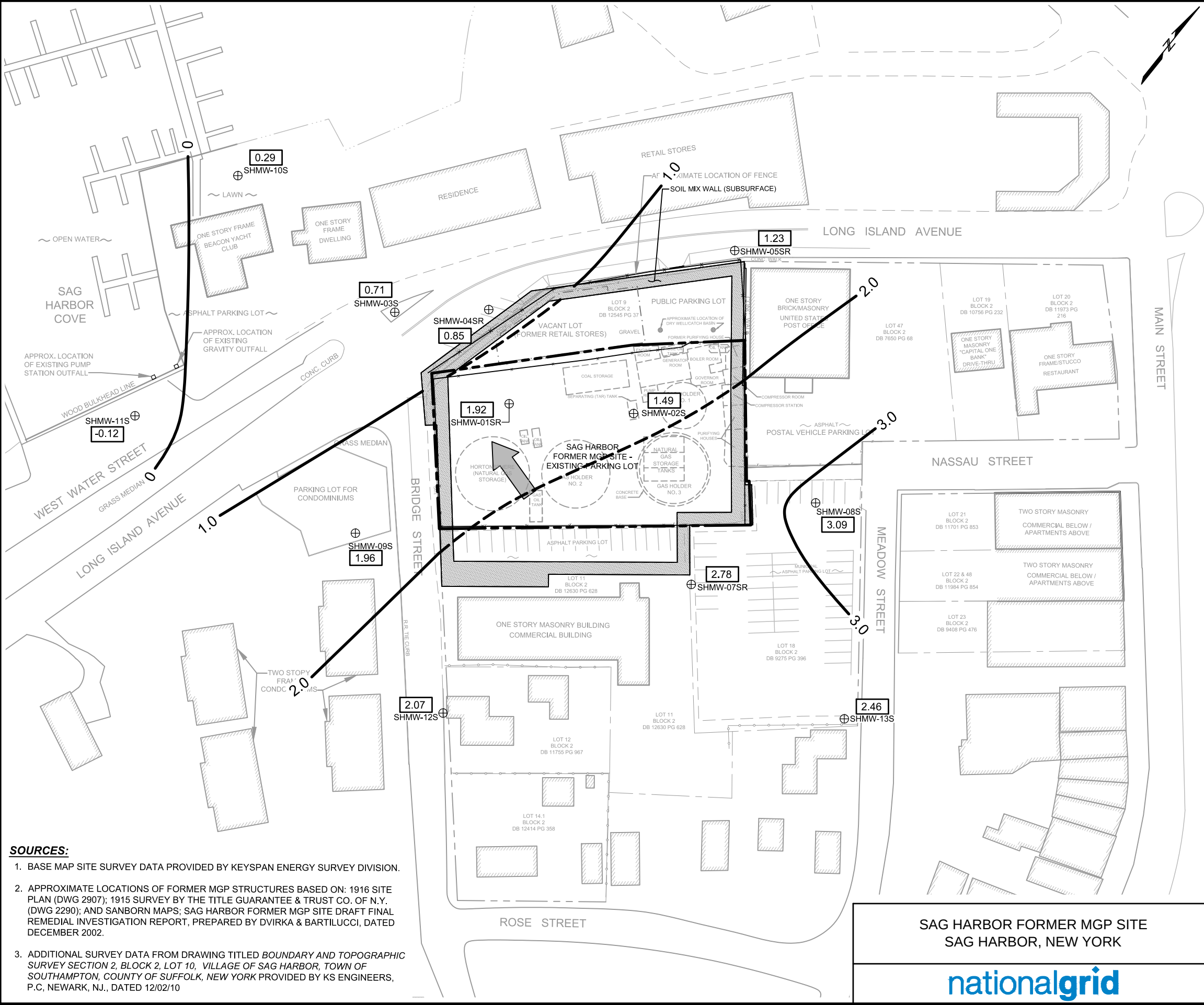
SAG HARBOR FORMER MGP SITE
SAG HARBOR, NEW YORK

Project 093190-2-1203

SHALLOW GROUNDWATER
CONTOURS - HIGH TIDE
9/25/13

November 2013

Figure 3



LEGEND

APPROXIMATE LOCATION OF FORMER MGP STRUCTURE

LOCATION OF EXISTING STRUCTURE

CURRENT SITE BOUNDARY

ADJACENT SITE BOUNDARY

CHAIN-LINK FENCE

STOCKADE FENCE

FORMER MONITORING WELL (WELL ABANDONED OR DESTROYED)

MONITORING WELL

GROUNDWATER ELEVATION IN FEET

GROUNDWATER CONTOUR (FEET)

GROUNDWATER CONTOUR (INFERRED)

APPROXIMATE GROUNDWATER FLOW DIRECTION

- SOURCES:**
1. BASE MAP SITE SURVEY DATA PROVIDED BY KEYSpan ENERGY SURVEY DIVISION.
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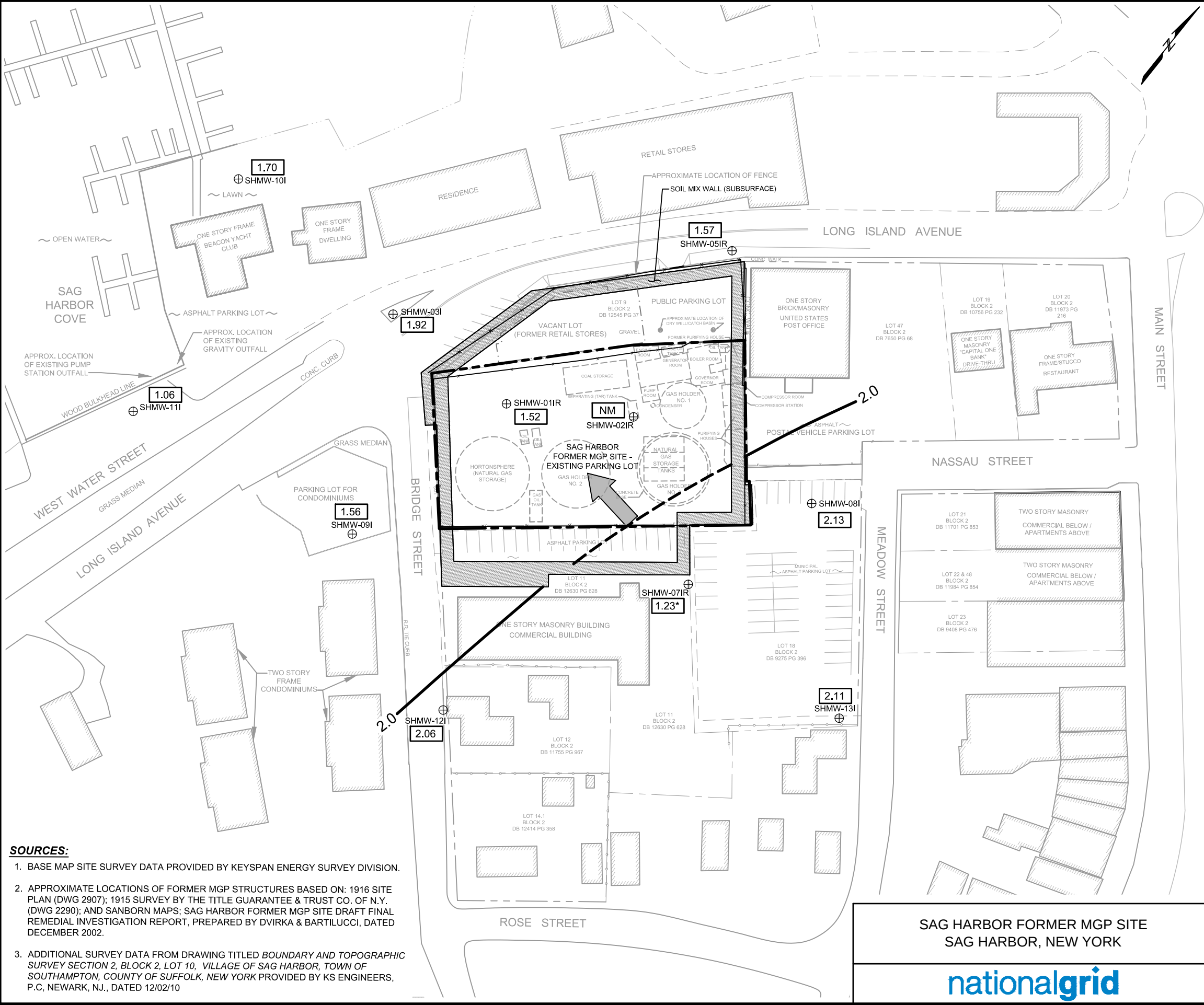
SAG HARBOR FORMER MGP SITE
SAG HARBOR, NEW YORK

Project 093190-2-1203

SHALLOW GROUNDWATER
CONTOURS - LOW TIDE
9/25/13

November 2013

Figure 4



LEGEND

APPROXIMATE LOCATION OF FORMER MGP STRUCTURE

LOCATION OF EXISTING STRUCTURE

CURRENT SITE BOUNDARY

ADJACENT SITE BOUNDARY

CHAIN-LINK FENCE

STOCKADE FENCE

FORMER MONITORING WELL (WELL ABANDONED OR DESTROYED)

MONITORING WELL

GROUNDWATER ELEVATION IN FEET

MEASUREMENT NOT USED TO GENERATE CONTOURS

2.0 GROUNDWATER CONTOUR (FEET)

2.0 GROUNDWATER CONTOUR (INFERRED)

APPROXIMATE GROUNDWATER FLOW DIRECTION

- SOURCES:**
1. BASE MAP SITE SURVEY DATA PROVIDED BY KEYSpan ENERGY SURVEY DIVISION.
 2. APPROXIMATE LOCATIONS OF FORMER MGP STRUCTURES BASED ON: 1916 SITE PLAN (DWG 2907); 1915 SURVEY BY THE TITLE GUARANTEE & TRUST CO. OF N.Y. (DWG 2290); AND SANBORN MAPS; SAG HARBOR FORMER MGP SITE DRAFT FINAL REMEDIAL INVESTIGATION REPORT, PREPARED BY DVIRKA & BARTILUCCI, DATED DECEMBER 2002.
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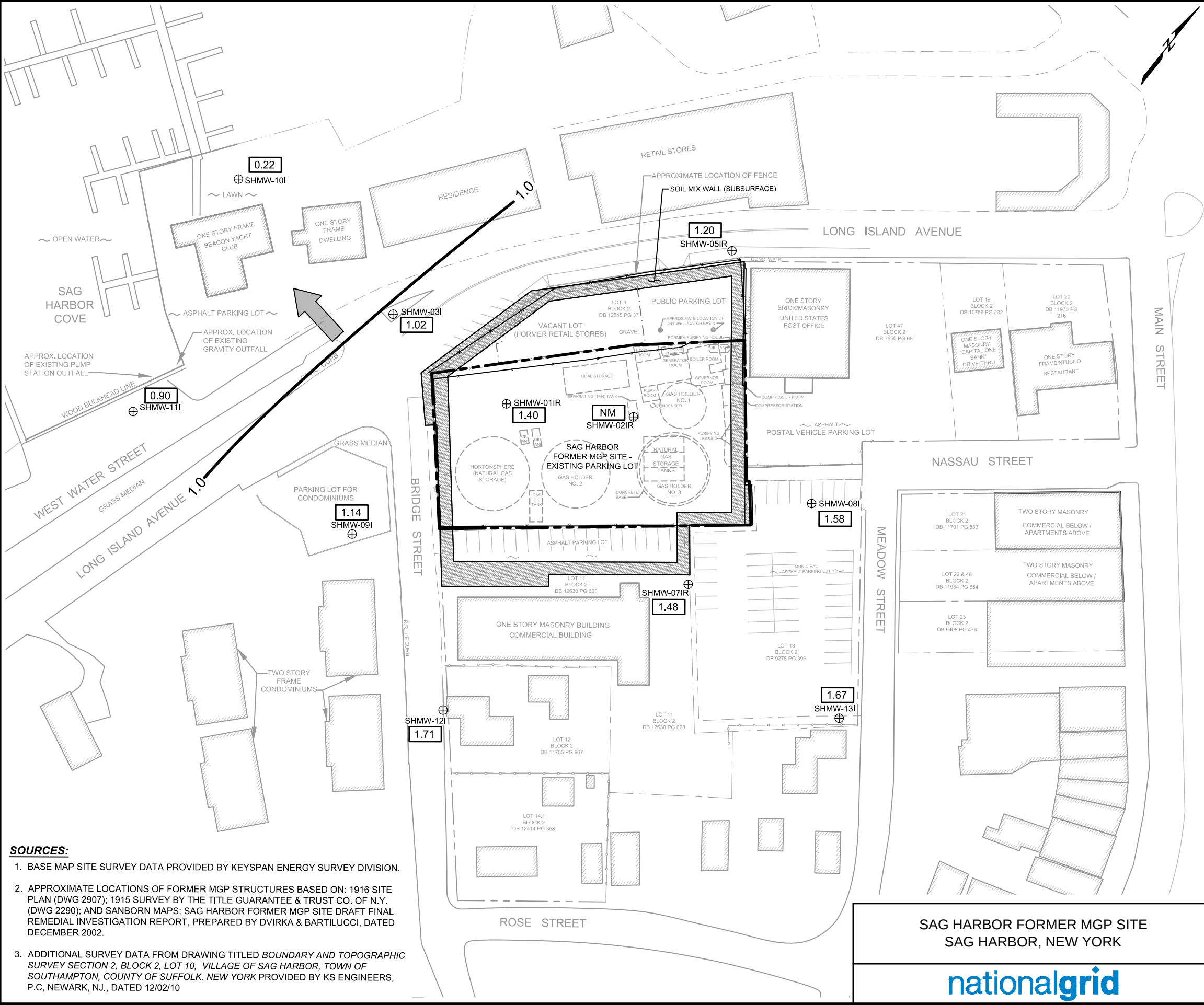
SAG HARBOR FORMER MGP SITE
SAG HARBOR, NEW YORK

Project 093190-2-1203

INTERMEDIATE
GROUNDWATER CONTOURS
HIGH TIDE
9/25/13

November 2013

Figure 5



- SOURCES:**
1. BASE MAP SITE SURVEY DATA PROVIDED BY KEYSpan ENERGY SURVEY DIVISION.
 2. APPROXIMATE LOCATIONS OF FORMER MGP STRUCTURES BASED ON: 1916 SITE PLAN (DWG 2907); 1915 SURVEY BY THE TITLE GUARANTEE & TRUST CO. OF N.Y. (DWG 2290); AND SANBORN MAPS; SAG HARBOR FORMER MGP SITE DRAFT FINAL REMEDIAL INVESTIGATION REPORT, PREPARED BY DVIRKA & BARTILUCCI, DATED DECEMBER 2002.
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SAG HARBOR FORMER MGP SITE SAG HARBOR, NEW YORK			INTERMEDIATE GROUNDWATER CONTOURS LOW TIDE 9/25/13	
			Project 093190-2-1203	November 2013
				Figure 6