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**Quarterly Groundwater Monitoring Report
Second Quarter (Q2) 2015**

Sag Harbor Former MGP Site

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

Submitted to:

National Grid
175 East Old Country Road
Hicksville, NY 11801

Submitted by:

GEI Consultants, Inc., P. C.
110 Walt Whitman Road
Huntington Station, NY 11746
631.760.9300

November 2015
093190-2-1203

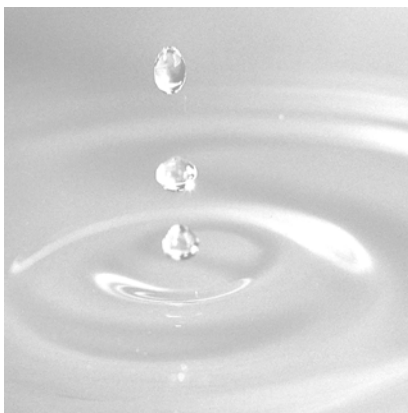


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1. Sag Harbor Site and Adjacent Offsite Areas

Second Quarter (Q2) 2015 Groundwater Monitoring Event Summary

Event Date: June 22 and 23, 2015

Site Phase: Quarterly groundwater monitoring

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

Monitoring Program

Criteria to reduce the scope of the groundwater monitoring program based on historical and future analytical results were proposed, and subsequently approved by the New York State Department of Environmental Conservation (NYSDEC) on March 21, 2014. The criteria and the resulting reductions to the program were detailed in a follow-up letter to NYSDEC dated May 13, 2014. NYSDEC has required that several monitoring wells in the intermediate zone be exempt from reduction criteria and be sampled annually. These wells include SHMW-03I, SHMW-05I and SHMW-08I.

Based on the established criteria, eight wells in the intermediate or deep zones were eliminated from the sampling program and five shallow wells were reduced to annual sampling. The reductions in the scope of work are shown in the table below. Going forward, the sampling list will be re-evaluated on a quarterly basis, with changes made, as appropriate.

Monitoring Well	Sampling Frequency		Monitoring Well	Sampling Frequency	
	Former	Current		Former	Current
SHMW-01SR	Quarterly	Annual	SHMW-02DR	Annual	Eliminated
SHMW-02S	Quarterly	Annual	SHMW-07IR	Annual	Eliminated
SHMW-03S	Quarterly	Annual	SHMW-10I	Annual	Eliminated
SHMW-10S	Quarterly	Annual	SHMW-11I	Annual	Eliminated
SHMW-13S	Quarterly	Annual	SHMW-12I	Annual	Eliminated
SHMW-01IR	Annual	Eliminated	SHMW-13I	Annual	Eliminated
SHMW-01D	Annual	Eliminated			

Implementation of the reduced sampling scope began in Q2 2014. Based on a review of seasonal data trends, the annual sampling rounds are to be conducted during the third quarter of each year. Seven wells were included in the Q2 2015 quarterly sampling list.

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 June 22, 2015 at 24 of the 25 monitoring wells, during low and high tides. Monitoring well SHMW-02IR 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 Q2 2015, 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	0.02 – 3.63	0.80 – 2.75	0.0027	0.06 – 5.54	-0.22 – 2.79	0.0036
Intermediate	0.00 – 4.53	0.93 – 1.99	0.0010	0.00 – 5.86	-0.23 – 1.99	0.0028

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 Q2 2015, all of the 25 monitoring wells were monitored for NAPL as part of the groundwater monitoring program. Evidence of light non-aqueous phase liquid (LNAPL) or DNAPL in the

monitoring wells during Q2 2015 was limited to approximately 0.25 inches of DNAPL observed at monitoring well SHMW-09S, DNAPL blebs observed on the sample tubing at well SHMW-07SR, and approximately 19 inches of DNAPL in SHMW-02IR.

Chemical Data

In Q2 2015, a total of seven 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 June 23, 2015 and included all wells on the reduced quarterly sampling list.

Chemical data for Q2 2015 (**Table 3**) indicate:

- BTEX concentrations ranged from below method detection limits (ND) in SHMW-11S to 1,777 micrograms per liter (µg/L) in SHMW-07SR.
- Total PAH concentrations ranged from 1 µg/L in SHMW-11S to 14,332 µg/L in SHMW-07SR.
- MTBE concentrations were non-detect (ND) in each of the wells sampled.

Data Trend Analysis

Prior to Q2 2015, BTEX and total PAH concentrations (see historical data in **Tables 4** and **5**) had been generally decreasing in shallow groundwater on and adjacent to the site. During Q2 2015, concentrations generally increased; however, the increase in average concentrations is largely due to the increases in one well, SHMW-07SR. Further discussion of the increases is provided below. An analysis of the current and historical data is presented in the table below.

Shallow Zone	Historical*		Q4 2014**		Q1 2015**		Q2 2015**	
	Max	Average	Max	Average	Max	Average	Max	Average
BTEX	25,860	1,272	840	195	369	81	1,777	394
Total PAHs	12,876	978	904	329	571	198	14,332	2,375

Notes:

Concentrations in µg/L

* Includes data from wells on current sampling list only

** Includes data from the reduced quarterly sampling list

Concentrations of BTEX were identified in six of the seven shallow monitoring wells sampled during Q2 2015. PAHs were detected in each of the wells sampled during the Q2 2015 sampling event. The BTEX and total PAH concentrations in SHMW-11S were ND and 1 µg/L, respectively. BTEX concentrations in monitoring wells SHMW-05SR (7 µg/L), and SHMW-08S (4 µg/L) were near detection levels. The Q2 2015 detections listed above in these wells were near or below their respective historical mean concentrations.

Elevated BTEX concentrations were identified in the remaining shallow wells in Q2 2015 including SHMW-04SR (428 µg/L), SHMW-07SR (1,777 µg/L), SHMW-09S (136 µg/L), and SHMW-12S (407 µg/L). The BTEX concentration in monitoring well SHMW-07SR increased significantly from Q1 2015 (ND), but remained similar to the historical mean. The

concentrations in SHMW-07SR had been decreasing in recent sampling events prior to Q2 2015. The Q2 2015 concentrations in SHMW-04SR and SHMW-09S increased relative to Q1 2015, but remained significantly below their respective historical mean concentrations. The concentration in SHMW-12S also increased relative to Q1 2015 and was above its historical mean concentration, but within the historical concentration range.

Elevated detections of total PAHs were identified in six of the seven monitoring shallow wells sampled during Q2 2015. Similar to BTEX, monitoring well SHMW-07SR (14,332 µg/L) increased significantly relative to Q1 2015 (ND). The Q2 2015 concentration in this well is the highest recorded during the historical monitoring period; however, significantly higher concentrations had been detected in other Site wells prior to remediation. The total PAH concentration in SHMW-04SR (551 µg/L) decreased slightly and was significantly below the historical mean. The concentrations in SHMW-08S (213 µg/L), SHMW-09S (909 µg/L) and SHMW-12S (523 µg/L) increased relative to Q1 2015, and were similar to or above their respective historical means. The total PAH concentration in SHMW-05SR (94 µg/L) remained the same as Q1 2015 and was below the historical mean concentration.

DNAPL Occurrence

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.

No measurable amounts of LNAPL and DNAPL had been observed in replacement monitoring wells SHMW-04SR and SHMW-07SR prior to recent gauging events. In recent events, DNAPL has been measured at a maximum thickness of approximately one-inch in SHMW-07S and 1.5-inches in SHMW-04SR; however, the observances have been isolated to one gauging event each.

During Q2 2015 approximately 0.25 inches of DNAPL was measured in SHMW-09S, marking the first occurrence of DNAPL in this well. To date, no significant evidence of NAPL has been found in these monitoring wells or any of the remaining monitoring wells following remediation, excluding SHMW-02IR. Approximately six inches of DNAPL was measured in well SHMW-02IR during Q4 2013, and 14 inches and 19 inches of DNAPL were measured in the same well during Q1 and Q2 2015, respectively. Well SHW-02IR is located within the boundaries of the subsurface soil mix wall, which roughly surrounds the former MGP Site (see **Figure 2**). As mentioned above, SHMW-02IR was installed to replace SHMW-02I and was installed as a larger diameter well for potential DNAPL recovery. A DNAPL recovery test program is planned for this well in Q4 2015.

Future Plans

- Continue quarterly groundwater and NAPL monitoring at onsite and offsite monitoring wells.
- Implement a DNAPL recovery test program at SHMW-02IR during Q4 2015. A recommendation regarding future product recovery will be provided following evaluation of the test program findings.

Tables

Table 1. Water Level Measurements and Calculated Groundwater Elevations
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q2 2015

Well ID	Top of Casing Elevation (ft)*	Tide	Time	6/22/2015		Notes
				Depth to Water (ft)	Groundwater Elevation (ft)	
SHMW-01SR	3.71	High	1540	2.43	2.22	Well replaced in Q4 2010
		Low	929	2.44	1.27	
SHMW-01IR	3.81	High	1539	2.45	1.36	Well replaced in Q4 2010
		Low	929	2.94	0.87	
SHMW-01D	3.67	High	1540	1.65	2.02	Well installed in Q4 2010
		Low	930	2.48	1.19	
SHMW-02S	3.95	High	1535	2.10	1.85	Well installed in Q4 2010
		Low	923	2.05	1.90	
SHMW-02IR	3.92	High	1536	NM	NC	Survey point altered
		Low	925	NM	NC	
SHMW-02DR	3.66	High	1535	2.11	1.55	Well replaced in Q4 2010
		Low	924	2.94	0.72	
SHMW-03S	3.83	High	1548	2.89	0.94	
		Low	940	3.05	0.78	
SHMW-03I	3.85	High	1549	2.13	1.72	
		Low	941	3.11	0.74	
SHMW-04SR	3.90	High	1542	3.10	0.80	Well replaced in Q4 2010
		Low	932	3.05	0.85	
SHMW-05SR	5.03	High	1545	3.50	1.53	Well replaced in Q4 2010
		Low	935	3.37	1.66	
SHMW-05IR	4.96	High	1546	3.55	1.41	Well replaced in Q4 2010
		Low	936	3.96	1.00	
SHMW-07SR	3.48	High	1604	0.75	2.73	
		Low	1001	0.69	2.79	
SHMW-07IR	3.38	High	1603	1.69	1.69	
		Low	1000	1.98	1.40	
SHMW-08S	3.69	High	1606	1.01	2.68	
		Low	1004	1.05	2.64	
SHMW-08I	3.79	High	1606	2.86	0.93	
		Low	1003	2.59	1.20	
SHMW-09S	3.06	High	1559	1.58	1.48	
		Low	952	1.64	1.42	
SHMW-09I	2.82	High	1558	1.49	1.33	
		Low	953	1.85	0.97	
SHMW-10S	4.75	High	1552	3.43	1.32	
		Low	948	3.93	0.82	
SHMW-10I	4.75	High	1551	3.30	1.45	
		Low	948	4.96	-0.21	
SHMW-11S	5.32	High	1555	3.63	1.69	
		Low	944	5.54	-0.22	
SHMW-11I	5.63	High	1554	4.53	1.10	
		Low	943	5.86	-0.23	
SHMW-12S	1.98	High	1600	0.02	1.96	
		Low	955	0.06	1.92	
SHMW-12I	1.99	High	1600	0.00	1.99	
		Low	956	0.00	1.99	
SHMW-13S	3.36	High	1609	0.61	2.75	
		Low	1008	0.79	2.57	
SHMW-13I	3.50	High	1608	1.51	1.99	
		Low	1007	2.04	1.46	

General Notes:

* Elevations were re-surveyed in November 2010.

NM = Not Measured

NC = Not Calculated

Table 2. Summary of Historical NAPL Observations
Sag Harber Former MGP Site
Groundwater Monitoring Program - Q2 2015

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
MW-01	None Observed	Odor	None Observed	Not Checked	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
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
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
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.
MW-06	None Observed	Slight naphthalene-like odor	NR	NR	NR	NR	NR	NR	NR
SHMW-01S/01SR	None Observed	Slight naphthalene-like odor	NR	NR	NR	NR	NR	NR	NR
SHMW-01I/01IR	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR
SHMW-01D	NI	NI	NI	NI	NI	NI	NI	NI	NI
SHMW-02S	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
SHMW-02D/02DR	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR
SHMW-03S	None Observed	Odor	NR	NR	NR	NR	NR	NR	NR
SHMW-03I	None Observed	None Observed	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
SHMW-04I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR
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

Table 2. Summary of Historical NAPL Observations
Sag Harber Former MGP Site
Groundwater Monitoring Program - Q2 2015

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
SHMW-05I/05IR	None Observed	None Observed	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
SHMW-06I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR
SHMW-07S/07SR	Sheen and naphthalene-like odor	Slight odor	NR	NR	NR	NR	NR	NR	NR
SHMW-07I/07IR	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR
SHMW-08S	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR
SHMW-08I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR
SHMW-09S	None Observed	Slight naphthalene- like odor	NR	NR	NR	NR	NR	NR	NR
SHMW-09I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR
SHMW-10S	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR
SHMW-10I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR
SHMW-11S	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR
SHMW-11I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR
SHMW-12S	None Observed	Sheen, strong sulfur- like odor	NR	NR	NR	NR	NR	NR	NR
SHMW-12I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR
SHMW-13S	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR
SHMW-13I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR

Table 2. Summary of Historical NAPL Observations
Sag Harber Former MGP Site
Groundwater Monitoring Program - Q2 2015

Well ID	Apr/Q1 2005 Observations	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
MW-01	NR	NR	NR	NR	NR	NR	NR	NR	NR
MW-02	Approx. 0.15' of DNAPL	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
MW-03	Trace DNAPL at bottom of tape	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)
MW-04	None Observed	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)
MW-05	Sporadic DNAPL, approx. 0.1' of LNAPL	Approx. 3.0' of DNAPL	Approx. 0.75' of DNAPL, approx. 0.12' of LNAPL	DNAPL blebs in purge H2O, 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)
MW-06	NR	NR	NR	NR	NR	NR	NR	NR	None Observed
SHMW-01S/01SR	NR	NR	NR	NR	NR	NR	NR	NR	None Observed
SHMW-01I/01IR	NR	NR	NR	NR	NR	NR	NR	NR	None Observed
SHMW-01D	NI	NI	NI	NI	NI	NI	NI	NI	NI
SHMW-02S	NI	NI	NI	NI	NI	NI	NI	NI	NI
SHMW-02I/02IR	Approx. 1.1' of DNAPL	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)
SHMW-02D/02DR	NR	NR	NR	NR	NR	NR	NR	NR	None Observed
SHMW-03S	NR	NR	NR	NR	NR	NR	NR	NR	None Observed
SHMW-03I	NR	NR	NR	NR	NR	NR	NR	NR	None Observed
SHMW-04S/04SR	Approx. 0.25' of DNAPL	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
SHMW-04I	NR	NR	NR	NR	NR	NR	NR	NR	None Observed
SHMW-05S/05SR	None Observed	None Observed	None Observed	None Observed	No DNAPL observed	None Observed	None Observed	None Observed	None Observed

Table 2. Summary of Historical NAPL Observations
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q2 2015

Well ID	Apr/Q1 2005 Observations	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
SHMW-05I/05IR	NR	NR	NR	NR	NR	NR	NR	NR	None Observed
SHMW-06S	NR	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)
SHMW-06I	NR	NR	NR	NR	NR	NR	NR	NR	None Observed
SHMW-07S/07SR	NR	NR	NR	NR	NR	NR	NR	NR	None Observed
SHMW-07I/07IR	NR	NR	NR	NR	NR	NR	NR	NR	None Observed
SHMW-08S	NR	NR	NR	NR	NR	NR	NR	NR	None Observed
SHMW-08I	NR	NR	NR	NR	NR	NR	NR	NR	None Observed
SHMW-09S	NR	NR	NR	NR	NR	NR	NR	NR	None Observed
SHMW-09I	NR	NR	NR	NR	NR	NR	NR	NR	None Observed
SHMW-10S	NR	NR	NR	NR	NR	NR	NR	NR	None Observed
SHMW-10I	NR	NR	NR	NR	NR	NR	NR	NR	None Observed
SHMW-11S	NR	NR	NR	NR	NR	NR	NR	NR	None Observed
SHMW-11I	NR	NR	NR	NR	NR	NR	NR	NR	None Observed
SHMW-12S	NR	NR	NR	NR	NR	NR	NR	NR	None Observed
SHMW-12I	NR	NR	NR	NR	NR	NR	NR	NR	None Observed
SHMW-13S	NR	NR	NR	NR	NR	NR	NR	NR	None Observed
SHMW-13I	NR	NR	NR	NR	NR	NR	NR	NR	None Observed

Table 2. Summary of Historical NAPL Observations
Sag Harber Former MGP Site
Groundwater Monitoring Program - Q2 2015

Well ID	Jun/Q2 2007 Observations	Sep/Q3 2007 Observations	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
MW-01	NR	NR	None Observed	None Observed	Trace DNAPL	Trace DNAPL (at bottom of tubing)	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned
MW-02	Approx.0.07' DNAPL	Approx. 0.11' DNAPL	Approx. ~0.08'	Trace DNAPL	Moderate DNAPL; not measureable	Trace DNAPL	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned
MW-03	None Observed	Trace DNAPL (coating on tubes)	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
MW-04	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	Approx. ~0.02'	NR	Trace DNAPL	Trace DNAPL (at bottom of tubing)	Well Inaccessible or 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
MW-06	NR	NR	None Observed	None Observed	None Observed	None Observed	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned
SHMW-01S/01SR	NR	NR	None Observed	None Observed	None Observed	None Observed	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned
SHMW-01I/01IR	NR	NR	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned
SHMW-01D	NI	NI	NI	NI	NI	NI	NI	NI	NI
SHMW-02S	NI	NI	NI	NI	NI	NI	NI	NI	NI
SHMW-02I/02IR	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	Approx. ~0.60'	Approx. 3' DNAPL	Approx. 1.5' DNAPL	Approx. 4' DNAPL	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned
SHMW-02D/02DR	NR	NR	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned
SHMW-03S	NR	NR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-03I	NR	NR	None Observed	NR	NR	NR	None Observed	NR	None Observed
SHMW-04S/04SR	Approx.0.50' DNAPL	Approx. 0.5' DNAPL	Approx. ~0.61'	Approx. 1.05' DNAPL	Approx.0.6' DNAPL	Approx.0.75' DNAPL	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned
SHMW-04I	NR	NR	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned
SHMW-05S/05SR	None Observed	NR	None Observed	None Observed	None Observed	None Observed	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned

Table 2. Summary of Historical NAPL Observations
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q2 2015

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

Table 2. Summary of Historical NAPL Observations
Sag Harber Former MGP Site
Groundwater Monitoring Program - Q2 2015

Well ID	Sep/Q3 2009 Observations	Dec/Q4 2009 Observations	Mar/Q1 2010 Observations	Jun/Q2 2010 Observations	Sep/Q3 2010 Observations	Dec/Q4 2010 Observations	Mar/Q1 2011 Observations	Jun/Q2 2011 Observations	Sep/Q3 2011 Observations
MW-01	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
MW-03	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
MW-05	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
SHMW-01S/01SR	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	None Observed	None Observed	None Observed	None Observed
SHMW-01I/01IR	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	None Observed	None Observed	None Observed	None Observed
SHMW-01D	NI	NI	NI	NI	NI	None Observed	None Observed	None Observed	None Observed
SHMW-02S	NI	NI	NI	NI	NI	None Observed	None Observed	None Observed	None Observed
SHMW-02I/02IR	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	None Observed	Well Damaged	Well Damaged	Well Damaged
SHMW-02D/02DR	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	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
SHMW-03I	NR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-04S/04SR	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Trace LNAPL - DNAPL observed on tubing	Trace LNAPL - DNAPL observed on tubing	Trace LNAPL - DNAPL observed on tubing	None Observed
SHMW-04I	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-05S/05SR	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	None Observed	None Observed	None Observed	None Observed

Table 2. Summary of Historical NAPL Observations
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q2 2015

Well ID	Sep/Q3 2009 Observations	Dec/Q4 2009 Observations	Mar/Q1 2010 Observations	Jun/Q2 2010 Observations	Sep/Q3 2010 Observations	Dec/Q4 2010 Observations	Mar/Q1 2011 Observations	Jun/Q2 2011 Observations	Sep/Q3 2011 Observations
SHMW-05I/05IR	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	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
SHMW-06I	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-07S/07SR	Trace DNAPL (on side of tubing)	None Observed	None Observed	Well Inaccessible	Well Inaccessible	Trace LNAPL - DNAPL observed on tubing	Trace LNAPL - DNAPL observed on tubing	Trace LNAPL - DNAPL observed on tubing	None Observed
SHMW-07I/07IR	NR	None Observed (approximately 10 feet of sand present in well)	None Observed (approximately 10 feet of sand present in well)	Well Inaccessible	Well Inaccessible	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
SHMW-08I	NR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-09S	None Observed	None Observed	Well Inaccessible	None Observed	None Observed	No access	No access	No access	No access
SHMW-09I	NR	None Observed	None Observed	None Observed	None Observed	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
SHMW-10I	NR	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
SHMW-11I	NR	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
SHMW-12I	NR	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
SHMW-13I	NR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed

Table 2. Summary of Historical NAPL Observations
Sag Harber Former MGP Site
Groundwater Monitoring Program - Q2 2015

Well ID	Dec/Q4 2011 Observations	Mar/Q1 2012 Observations	Jun/Q2 2012 Observations	Sep/Q3 2012 Observations	Dec/Q4 2012 Observations	Mar/Q1 2013 Observations	Jun/Q2 2013 Observations	Sep/Q3 2013 Observations	Dec/Q4 2013 Observations
MW-01	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
MW-03	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
MW-05	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
SHMW-01S/01SR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-01I/01IR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-01D	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-02S	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-02I/02IR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	Approx. 6" of DNAPL
SHMW-02D/02DR	None Observed	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
SHMW-03I	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-04S/04SR	None Observed	None Observed	None Observed	None Observed	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
SHMW-05S/05SR	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 - Q2 2015

Well ID	Dec/Q4 2011 Observations	Mar/Q1 2012 Observations	Jun/Q2 2012 Observations	Sep/Q3 2012 Observations	Dec/Q4 2012 Observations	Mar/Q1 2013 Observations	Jun/Q2 2013 Observations	Sep/Q3 2013 Observations	Dec/Q4 2013 Observations
SHMW-05I/05IR	None Observed	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
SHMW-06I	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-07S/07SR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-07I/07IR	None Observed	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
SHMW-08I	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-09S	No access	No access	No access	No access	No access	No access	None Observed	None Observed	None Observed
SHMW-09I	No access	No access	No access	No access	No access	No access	None Observed	None Observed	None Observed
SHMW-10S	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
SHMW-11S	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
SHMW-12S	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
SHMW-13S	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

Table 2. Summary of Historical NAPL Observations
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q2 2015

Well ID	Mar/Q1 2014 Observations	Jun/Q2 2014 Observations	Sep/Q3 2014 Observations	Dec/Q4 2014 Observations	Mar/Q1 2015 Observations	June/Q2 2015 Observations
MW-01	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
MW-03	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
MW-05	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
SHMW-01S/01SR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-01I/01IR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-01D	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-02S	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-02I/02IR	None Observed	None Observed	None Observed	None Observed	Approx. 14" of DNAPL	Approx. 19" of DNAPL
SHMW-02D/02DR	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
SHMW-03I	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-04S/04SR	None Observed	None Observed	None Observed	None Observed	Approx. 1.5" of DNAPL	None Observed
SHMW-04I	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-05S/05SR	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 - Q2 2015

Well ID	Mar/Q1 2014 Observations	Jun/Q2 2014 Observations	Sep/Q3 2014 Observations	Dec/Q4 2014 Observations	Mar/Q1 2015 Observations	June/Q2 2015 Observations
SHMW-05I/05IR	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
SHMW-06I	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-07S/07SR	None Observed	DNAPL Blebs on tubing	DNAPL Blebs on tubing	Approx. 1" of DNAPL	None Observed	DNAPL Blebs on tubing
SHMW-07I/07IR	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
SHMW-08I	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-09S	None Observed	None Observed	None Observed	None Observed	None Observed	Approx. 0.25" of DNAPL
SHMW-09I	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-10S	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
SHMW-11S	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
SHMW-12S	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
SHMW-13S	None Observed	None Observed	None Observed	None Observed	NM	None Observed
SHMW-13I	None Observed	None Observed	None Observed	None Observed	NM	None Observed

General Notes:

DNAPL = Dense Non-aqueous Phase Liquid
LNAPL = Light Non-aqueous Phase Liquid
WC = Water Column
NR = Gauging Not Required
NM = Not Measured
NI = Not Installed

Table 3. Summary of BTEX, MTBE and PAH Results
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q2 2015

Sample Name Depth (feet) Sample Date			SHMW-04SR 2-12 6/23/2015	Duplicate of: SHMW-04SR 2-12 6/23/2015	SHMW-05SR 2-12 6/23/2015	SHMW-07SR 1-11 6/23/2015	SHMW-08S 1-7 6/23/2015	SHMW-09S 2-12 6/23/2015	SHMW-11S 3.5 - 13.5 6/23/2015	SHMW-12S 1.5 - 6.5 6/23/2015
Analyte	Units	NYS AWQS								
BTEX	µg/L									
Benzene		1	58	59	5	690	2	83	1 U	340
Toluene		5	10 J	10 J	1 U	17 J	1 U	1 U	1 U	3 J
Ethylbenzene		5	200	210	1 U	740	1 U	21	1 U	23
Total Xylene		5	160	170	2	330	2	32	1 U	41
Total BTEX		NE	428	449	7	1777	4	136	ND	407
Other VOCs	µg/L									
Methyl tert-butyl ether (MTBE)		10*	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
NYSDEC PAH17	µg/L									
Acenaphthene		20*	78	58	29	1200	31	100	10 U	8 J
Acenaphthylene		NE	2 J	2 J	10 U	60	2 J	10 U	1 J	10 U
Anthracene		50*	7 J	5 J	10 U	580 J	6 J	3 J	10 U	10 U
Benzo(a)anthracene		0.002*	10 U	10 U	10 U	400 J	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene		0.002*	10 U	10 U	10 U	200 J	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene		0.002*	10 U	10 U	10 U	46	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene		NE	10 U	10 U	10 U	39	10 U	10 U	10 U	10 U
Benzo(a)pyrene		ND	10 U	10 U	10 U	270 J	10 U	10 U	10 U	10 U
Chrysene		0.002*	10 U	10 U	10 U	370 J	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene		NE	10 U	10 U	10 U	11	10 U	10 U	10 U	10 U
Fluoranthene		50*	5 J	4 J	10 U	800 J	5 J	10 U	10 U	10 U
Fluorene		50*	22	17	7 J	520 J	16	17	10 U	10 U
Indeno(1,2,3-cd)pyrene		0.002*	10 U	10 U	10 U	36	10 U	10 U	10 U	10 U
2-Methylnaphthalene		NE	49 J	30 J	3 J	1300	3 J	12	10 U	5 J
Naphthalene		10*	350 J	120 J	51	5300	110	760	10 U	510
Phenanthrene		50*	32 J	21 J	4 J	2100	35	17	10 U	10 U
Pyrene		50*	6 J	6 J	10 U	1100	5 J	10 U	10 U	10 U
Total PAH		NE	551	263	94	14332	213	909	1	523

Table 3. Summary of BTEX, MTBE and PAH Results
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q2 2015

Notes:

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

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes

PAH = Polycyclic Aromatic Hydrocarbon

VOC = Volatile Organic Compound

Total BTEX and Total PAHs are calculated using detects only.

Total PAH16 is calculated using the EPA16 list of analytes: Acenaphthene, Acenaphthylene, Anthracene,

Total PAH17 is calculated using the EPA16 list of analytes plus 2-Methylnaphthalene

MGP = Manufactured Gas Plant

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

ND = Not Detected

NE = Not Established

Bolding indicates a detected result concentration

Gray shading and bolding indicates that the detected result value exceeds the NYS AWQS

Validation Qualifiers:

J = The result is an estimated value.

U = The result was not detected above the reporting limit.

UJ = The results was not detected at or above the reporting limit shown and the reporting limit is estimated.

Table 4. Summary of Historical Total BTEX Results
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q2 2015

Well No.	Screen Interval (feet)	Total BTEX Concentrations (µg/L)																			
		Sampling Date																			
		1995	2000			2002	2004			2005				2006				2007			
		Nov	Mar	Apr	May	May	Aug	Mar/Apr	Jun	Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep	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 Total BTEX Results
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q2 2015

Well No.	Screen Interval (feet)	Total BTEX Concentrations (µg/L)																		
		Sampling Date																		
		2008				2009				2010				2011				2012		
		March	June	Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep
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	0	0	0
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	1	0	0
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	0	1	1
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	391	709	654
SHMW-04I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SHMW-05S/05SR	2.0 - 12.0	77	83	64	--	--	--	--	--	--	--	--	20	22	25	27	45	25	29	28
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	1,418	670	2,822
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	5	7	2
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	--	--	--	--	--	--	--	--	--	--	130
SHMW-09I	35.0 - 45.0	--	--	--	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	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	0	0	0
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	127	434	41
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	12	0	0
SHMW-13I	35.0 - 45.0	--	--	--	0	--	0	--	0	--	--	--	0	--	--	--	0	--	--	--

Table 4. Summary of Historical Total BTEX Results
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q2 2015

Well No.	Screen Interval (feet)	Total BTEX Concentrations (µg/L)												Min	Max	Mean
		Sampling Date														
		2012	2013				2014				2015					
		Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun				
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	1	8	0	0	0	--	0	--	--	--	0	5,183	958	
SHMW-01I/01IR	35.0 - 45.0	0	--	--	--	1	--	--	--	--	--	--	0	5	1	
SHMW-01D	65.0 - 75.0	0	--	--	--	0	--	--	--	--	--	--	0	3	1	
SHMW-02S	1.0 - 6.0	0	0	5	0	0	0	--	0	--	--	--	0	5	1	
SHMW-02I/02IR	35.0 - 45.0	0	--	--	--	11	--	--	0	--	--	--	0	1,179	61	
SHMW-02D/02DR	65.0 - 75.0	0	--	--	--	0	--	--	--	--	--	--	0	5	1	
SHMW-03S	2.0 - 12.0	0	6	0	0	2	3	--	5	--	--	--	0	131	31	
SHMW-03I	35.0 - 45.0	0	--	--	--	4	--	--	0	--	--	--	0	52	4	
SHMW-04S/04SR	2.0 - 12.0	449	158	14	949	1,846	145	504	900	302	369	428	14	25,860	6,517	
SHMW-04I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	0	5	1	
SHMW-05S/05SR	2.0 - 12.0	16	16	683	17	21	13	12	15	9	12	7	7	2,960	180	
SHMW-05I/05IR	35.0 - 45.0	0	--	--	--	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	251	1,289	852	972	1,305	769	1991	3,508	840	0	1,777	185	3,946	1,507	
SHMW-07I/07IR	35.0 - 45.0	0	--	--	--	0	--	--	--	--	--	--	0	11	1	
SHMW-08S	1.0 - 7.0	6	5	6	4	3	8	4	2	5	10	4	0	19	6	
SHMW-08I	35.0 - 45.0	0	--	--	--	0	--	--	0	--	--	--	0	5	0	
SHMW-09S	2.0 - 12.0	165	167	198	118	93	155	193	136	53	92	136	53	1,298	530	
SHMW-09I	35.0 - 45.0	0	--	--	--	2	--	--	4	--	--	--	0	4	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	--	--	--	--	--	--	0	5	0	
SHMW-11S	3.5 - 13.5	0	0	0	0	0	0	0	0	0	0	0	0	8	0	
SHMW-11I	35.0 - 45.0	0	--	--	--	0	--	--	--	--	--	--	0	0	0	
SHMW-12S	1.5 - 6.5	19	87	175	142	26	67	175	56	159	82	407	0	930	219	
SHMW-12I	35.0 - 45.0	0	--	--	--	0	--	--	--	--	--	--	0	23	3	
SHMW-13S	1.5 - 6.5	0	0	0	0	0	0	--	0	--	--	--	0	12	0	
SHMW-13I	35.0 - 45.0	0	--	--	--	0	--	--	--	--	--	--	0	0	0	

NOTES:

-- not analyzed or not applicable

µg/L - micrograms per liter

BTEX - benzene, toluene, ethylbenzene, and xylenes

Table 5. Summary of Historical Total PAH Results
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q2 2015

Well No.	Screen Interval (feet)	Total PAH Concentrations (µg/L)																			
		Sampling Date																			
		1995	2000			2002	2004			2005				2006				2007			
		Nov	Mar	Apr	May	May	Aug	Mar/Apr	Jun	Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep	Dec		
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		
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		
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		
MW-04	1.25 - 6.81	3,612	75	--	0	90	--	0	22	1,098	103	11	37	66	31	0	66	238	6		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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 - Q2 2015

Well No.	Screen Interval (feet)	Total PAH Concentrations (µg/L)																		
		Sampling Date																		
		2008				2009				2010				2011				2012		
		Mar	Jun	Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep
MW-01	1.50 - 7.32	145	2	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-02	0.50 - 7.25	400	3,455	3,488	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-03	2.17 - 10.17	508	96	1,109	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-04	1.25 - 6.81	--	0	22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-05	2.46 - 7.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-06	2.47 - 7.47	0	0	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SHMW-01S/01SR	1.0 - 6.0	0	0	0	--	--	--	--	--	--	--	--	0	0	0	0	4	7	21	0
SHMW-01I/01IR	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--	0	--	--	--
SHMW-01D	65.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--	0	--	--	--
SHMW-02S	1.0 - 6.0	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0	5	0	0
SHMW-02I/02IR	35.0 - 45.0	8	42	209	--	--	--	--	--	--	--	--	9	3	--	--	0	--	--	--
SHMW-02D/02DR	65.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--	0	--	--	--
SHMW-03S	2.0 - 12.0	0	0	17	29	0	20	0	0	0	22	0	0	2	7	25	22	6	10	22
SHMW-03I	35.0 - 45.0	--	--	--	0	--	0	--	0	--	--	--	0	--	--	--	0	--	--	--
SHMW-04S/04SR	2.0 - 12.0	0	1,328	1,868	--	--	--	--	--	--	--	--	3,598	1,440	978	811	942	581	1,296	1,195
SHMW-04I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SHMW-05S/05SR	2.0 - 12.0	2	0	31	--	--	--	--	--	--	--	--	0	4	167	273	131	309	219	420
SHMW-05I/05IR	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--	0	--	--	--
SHMW-06S	2.0 - 6.0	0	44	5,848	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SHMW-06I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SHMW-07S/07SR	1.0 - 11.0	--	54	3,252	--	--	2,919	4,722	5,286	3,410	4,547	--	1,456	0	1,736	885	955	927	444	4,342
SHMW-07I/07IR	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--	4	--	--	--
SHMW-08S	1.0 - 7.0	14	21	55	--	--	59	60	112	129	201	34	3	11	185	195	35	152	111	113
SHMW-08I	35.0 - 45.0	--	--	--	--	--	1	--	0	--	--	--	0	--	--	--	0	--	--	--
SHMW-09S	2.0 - 12.0	0	92	485	503	--	68	39	389	--	--	--	--	--	--	--	--	--	--	787
SHMW-09I	35.0 - 45.0	--	--	--	0	--	0	--	0	--	--	--	--	--	--	--	--	--	--	0
SHMW-10S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3	0
SHMW-10I	35.5 - 45.5	--	--	--	0	--	0	--	0	--	--	--	0	--	--	--	0	--	--	--
SHMW-11S	3.5 - 13.5	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	4	6	0	0
SHMW-11I	35.0 - 45.0	--	--	--	0	--	0	--	0	--	--	--	0	--	--	--	0	--	--	--
SHMW-12S	1.5 - 6.5	9	137	259	280	0	332	4	216	177	585	3	0	0	584	739	513	154	361	217
SHMW-12I	35.0 - 45.0	--	--	--	0	--	--	--	0	--	--	--	0	--	--	--	2	--	--	--
SHMW-13S	1.5 - 6.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	2	0	0
SHMW-13I	35.0 - 45.0	--	--	--	0	--	0	--	0	--	--	--	0	--	--	--	1	--	--	--

Table 5. Summary of Historical Total PAH Results
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q2 2015

Well No.	Screen Interval (feet)	Total PAH Concentrations (µg/L)												Min	Max	Mean
		Sampling Date														
		2012	2013				2014				2015					
Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun						
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	0	8	0	0	0	67	--	0	--	--	0	4,147	763		
SHMW-01I/01IR	35.0 - 45.0	0	--	--	--	0	--	--	--	--	--	0	32	4		
SHMW-01D	65.0 - 75.0	0	--	--	--	0	--	--	--	--	--	0	0	0		
SHMW-02S	1.0 - 6.0	0	5	0	0	0	0	--	0	--	--	0	5	1		
SHMW-02I/02IR	35.0 - 45.0	56	--	--	--	245	--	--	11	--	--	0	580,200	23,288		
SHMW-02D/02DR	65.0 - 75.0	0	--	--	--	0	--	--	--	--	--	0	308	49		
SHMW-03S	2.0 - 12.0	2	23	14	16	6	5	--	3	--	--	0	430	65		
SHMW-03I	35.0 - 45.0	0	--	--	--	4	--	--	0	--	--	0	320	23		
SHMW-04S/04SR	2.0 - 12.0	639	402	100	1,875	1,916	190	523	1,637	309	571	551	0	6,669	2,520	
SHMW-04I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	0	18	3		
SHMW-05S/05SR	2.0 - 12.0	20	107	175	155	291	171	153	367	121	94	94	0	420	109	
SHMW-05I/05IR	35.0 - 45.0	0	--	--	--	0	--	--	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	419	2,620	950	4,030	1,381	1733	5945	12,876	904	0	14,332	0	14,332	3,340	
SHMW-07I/07IR	35.0 - 45.0	0	--	--	--	1	--	--	--	--	--	0	2,212	222		
SHMW-08S	1.0 - 7.0	182	95	151	180	148	147	174	250	160	116	213	3	250	99	
SHMW-08I	35.0 - 45.0	0	--	--	--	0	--	--	0	--	--	--	0	13	1	
SHMW-09S	2.0 - 12.0	690	721	575	603	211	560	832	1,315	360	529	909	0	2,737	916	
SHMW-09I	35.0 - 45.0	0	--	--	--	2	--	--	2	--	--	--	0	3	1	
SHMW-10S	5.0 - 15.0	0	0	0	0	1	0	--	0	--	--	--	0	22	1	
SHMW-10I	35.5 - 45.5	0	--	--	--	0	--	--	--	--	--	--	0	0	0	
SHMW-11S	3.5 - 13.5	2	1	0	7	16	1	0	1	201	2	1	0	201	10	
SHMW-11I	35.0 - 45.0	0	--	--	--	1	--	--	--	--	--	--	0	4	0	
SHMW-12S	1.5 - 6.5	104	62	410	604	133	0	353	493	247	76	523	0	739	252	
SHMW-12I	35.0 - 45.0	0	--	--	--	0	--	--	--	--	--	--	0	20	2	
SHMW-13S	1.5 - 6.5	0	0	0	0	0	0	--	1	--	--	--	0	3	0	
SHMW-13I	35.0 - 45.0	0	--	--	--	0	--	--	--	--	--	--	0	1	0	

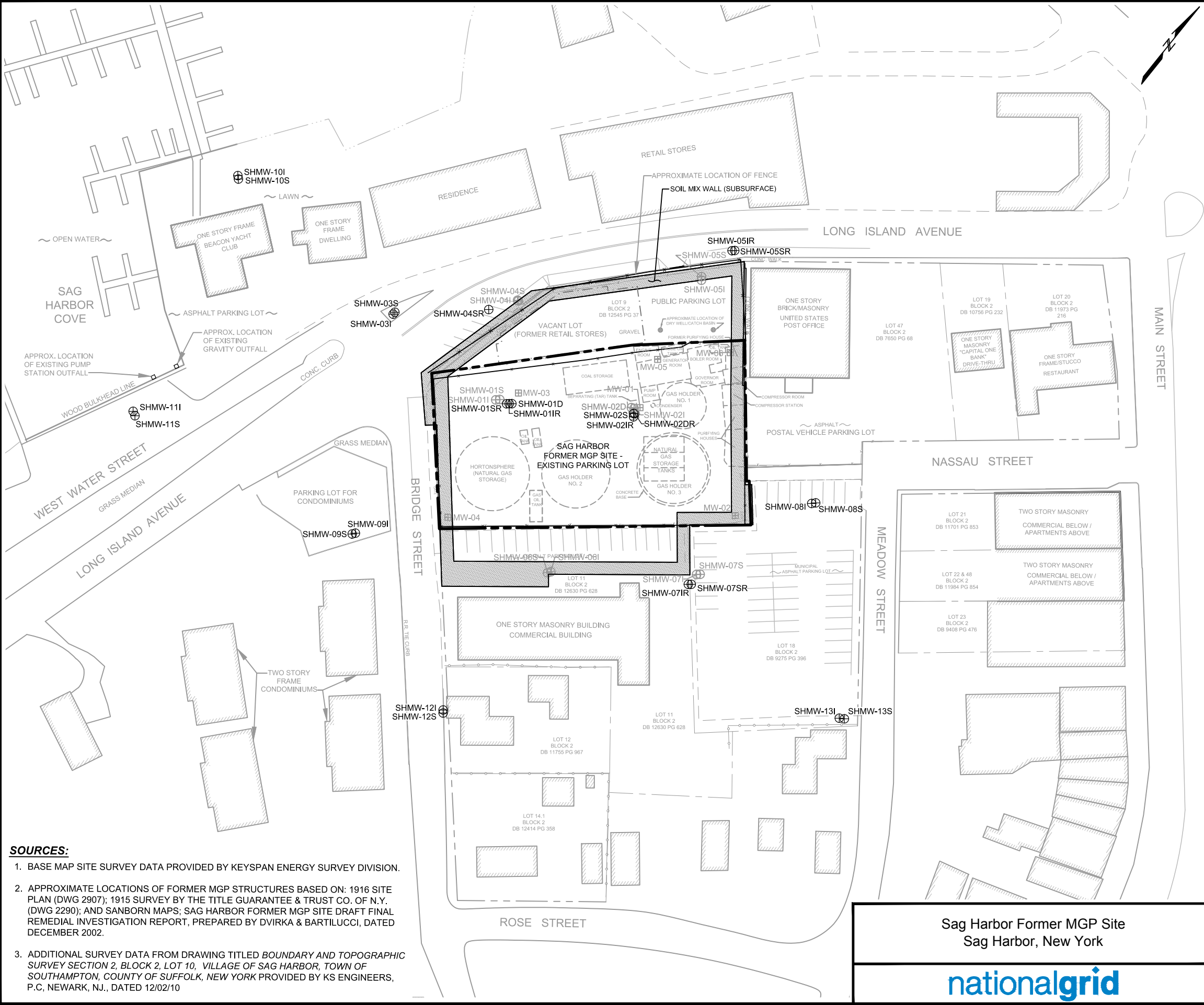
NOTES:

-- not analyzed or not applicable

µg/L - micrograms per liter

PAH - polycyclic aromatic hydrocarbons

Figures



LEGEND

APPROXIMATE LOCATION OF FORMER MGP STRUCTURE

LOCATION OF EXISTING STRUCTURE

CURRENT SITE BOUNDARY

ADJACENT SITE BOUNDARY

CHAIN-LINK FENCE

STOCKADE FENCE

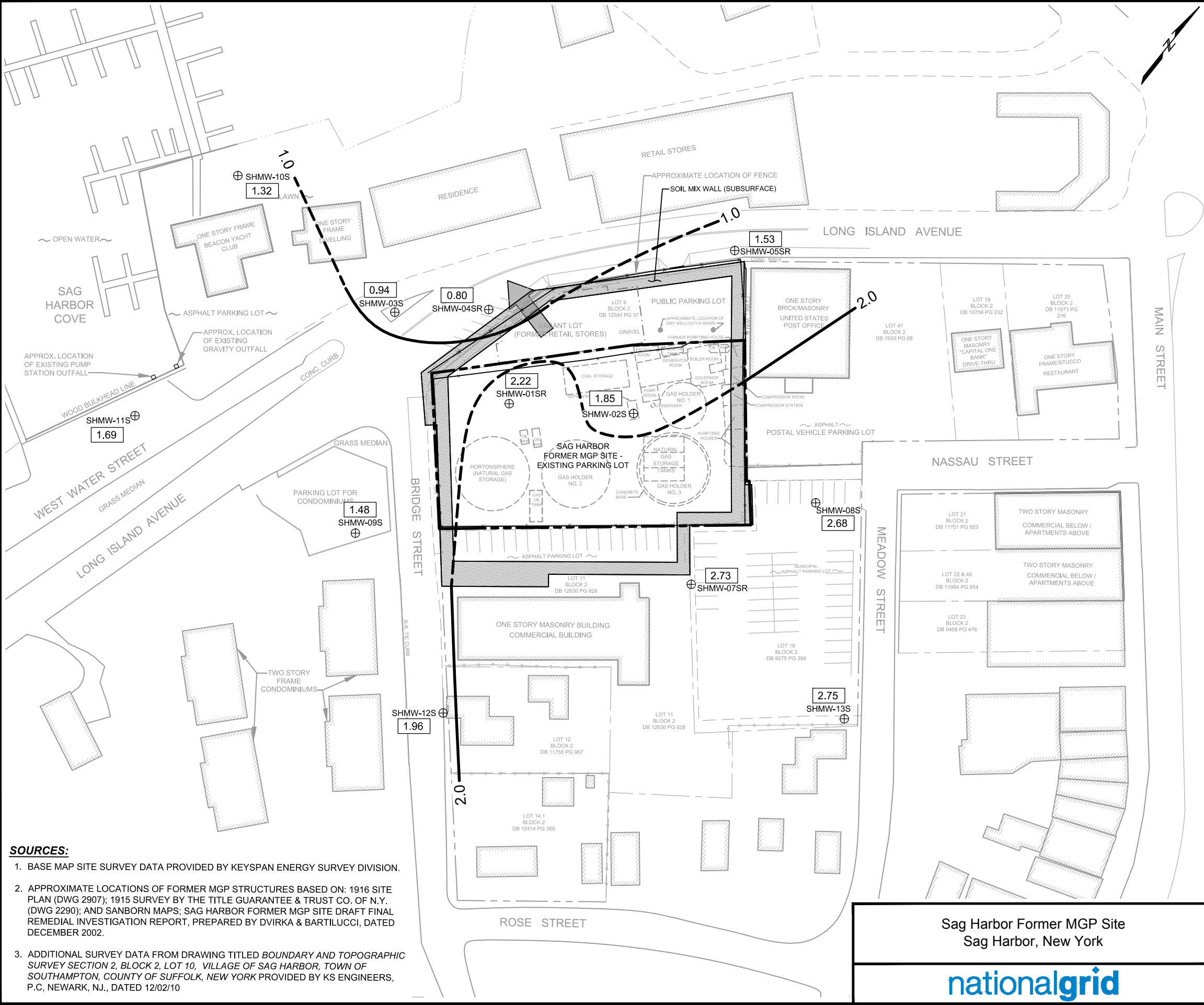
FORMER MONITORING WELL (WELL ABANDONED OR DESTROYED)

MONITORING WELL LOCATION

- 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		MONITORING WELL LOCATION MAP	
		Project 093190	November 2015
		Fig. 2	



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 LOCATION

1.32

GROUNDWATER ELEVATION IN FEET

1.0

GROUNDWATER CONTOUR (FT)

2.0

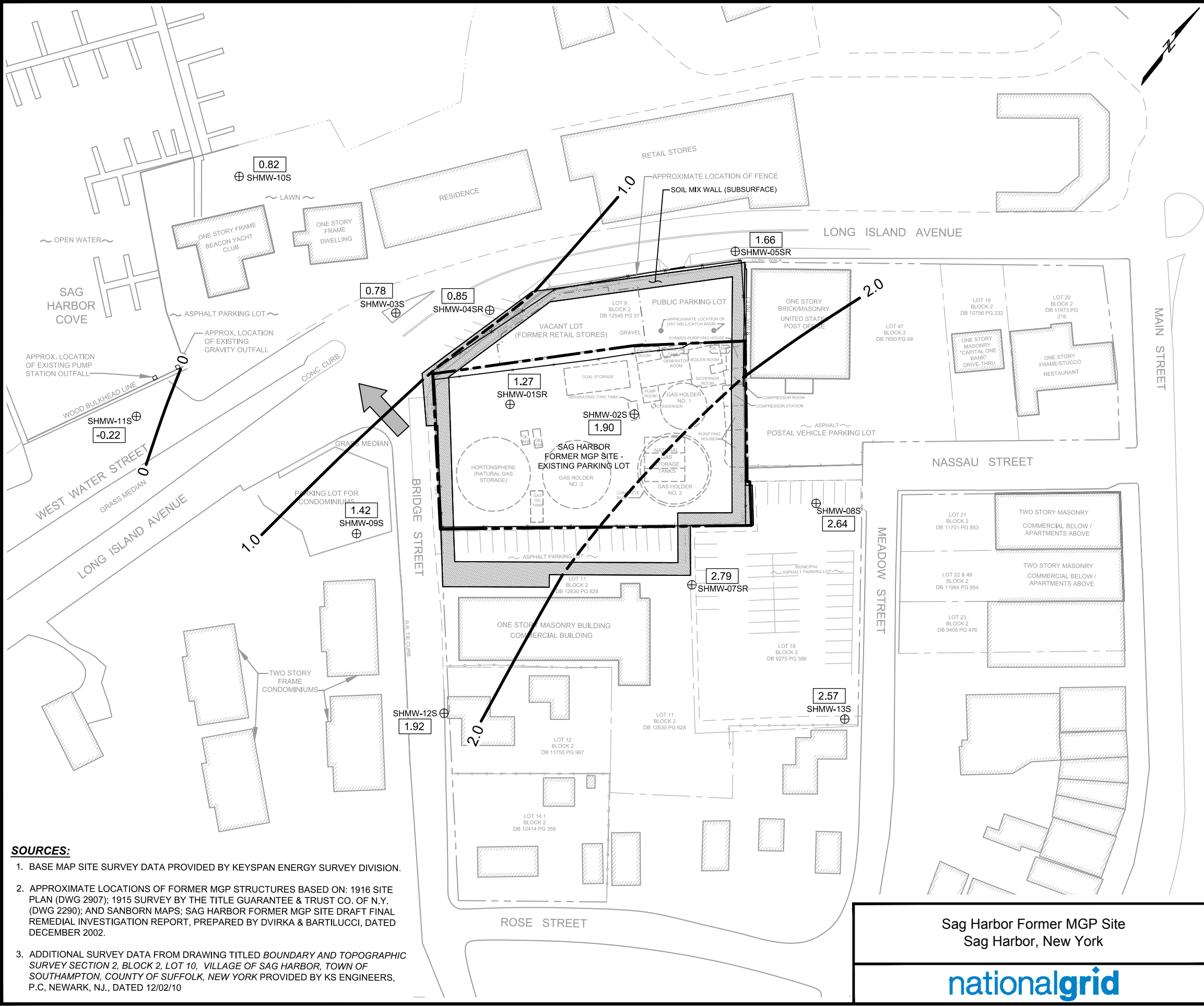
GROUNDWATER CONTOUR (INFERRED)

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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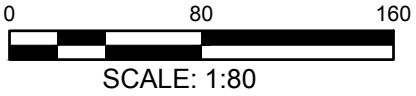
Sag Harbor Former MGP Site Sag Harbor, New York		SHALLOW GROUNDWATER CONTOURS - HIGH TIDE 6/22/15	
		Project 093190	November 2015
		Fig. 3	



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 LOCATION
- GROUNDWATER ELEVATION IN FEET
- GROUNDWATER CONTOUR (FT)
- GROUNDWATER CONTOUR (INFERRED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

- SOURCES:**
- BASE MAP SITE SURVEY DATA PROVIDED BY KEYSpan ENERGY SURVEY DIVISION.
 - 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

nationalgrid

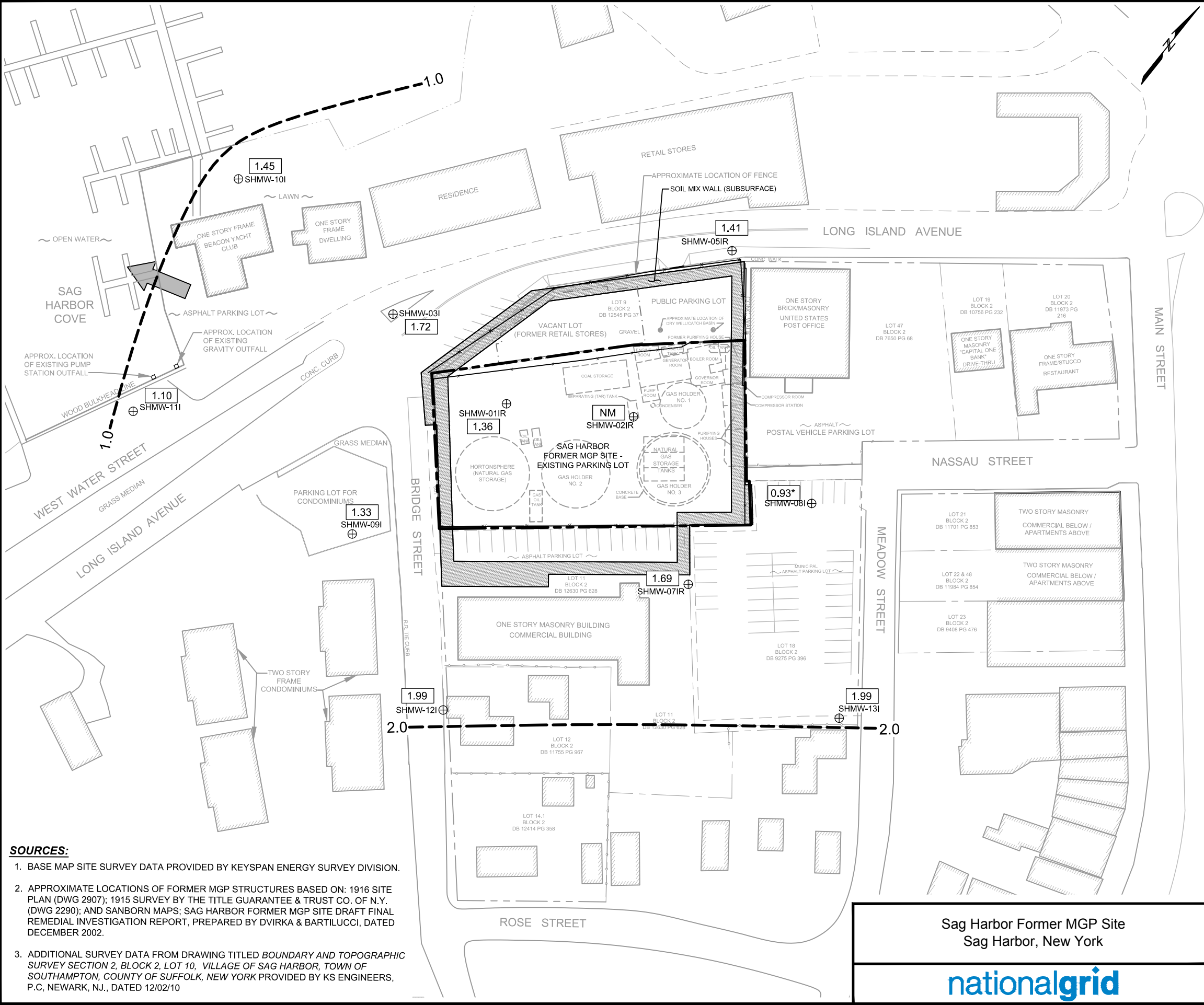


SHALLOW GROUNDWATER
CONTOURS - LOW TIDE
6/22/15

Project 093190

November 2015

Fig. 4



LEGEND

APPROXIMATE LOCATION OF FORMER MGP STRUCTURE

LOCATION OF EXISTING STRUCTURE

CURRENT SITE BOUNDARY

ADJACENT SITE BOUNDARY

CHAIN-LINK FENCE

STOCKADE FENCE

SHMW-02I

FORMER MONITORING WELL (WELL ABANDONED OR DESTROYED)

SHMW-03I

MONITORING WELL LOCATION

1.45

GROUNDWATER ELEVATION IN FEET

NM

WELL NOT MEASURED

0.93*

MEASUREMENT NOT USED TO GENERATE CONTOURS

2.0

GROUNDWATER CONTOUR (FT, 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.
 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

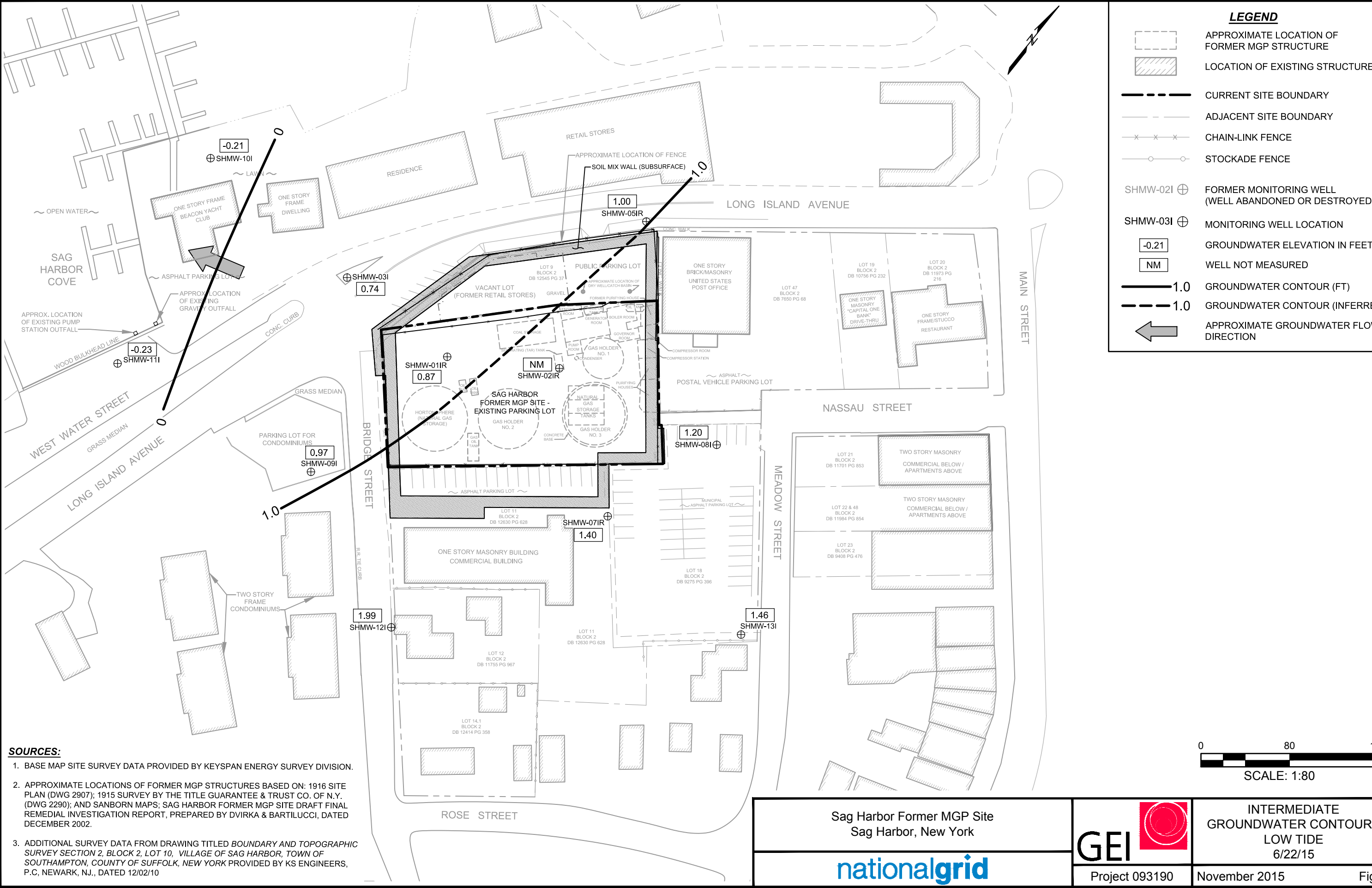
Sag Harbor Former MGP Site
Sag Harbor, New York

INTERMEDIATE
GROUNDWATER CONTOURS
HIGH TIDE
6/22/15

Project 093190

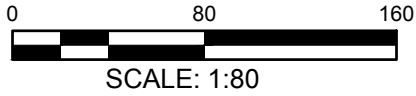
November 2015

Fig. 5



SOURCES:

- BASE MAP SITE SURVEY DATA PROVIDED BY KEYSpan ENERGY SURVEY DIVISION.
- 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

nationalgrid



Project 093190

INTERMEDIATE
GROUNDWATER CONTOURS
LOW TIDE
6/22/15

November 2015

Fig. 6