



SAGE
ENVIRONMENTAL

SITE INVESTIGATION REPORT

**Queen Anne Square
Plat 24 Lot 346
Newport, Rhode Island**

Prepared for:

**Mr. Joseph Martella
RI Dept. of Environmental Management
Office of Waste Management
235 Promenade Street
Providence, Rhode Island 02903**

Prepared by:

**SAGE Environmental, Inc.
172 Armistice Boulevard
Pawtucket, Rhode Island 02860
SAGE Project #S2244**

August 2012

172 Armistice Blvd.
Pawtucket, Rhode Island 02860
401-723-9900
FAX 401-723-9973
www.sageenvironmental.net



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ENVIRONMENTAL

August 23, 2012

Mr. Joseph Martella
RI Dept. of Environmental Management
Office of Waste Management
235 Promenade Street
Providence, Rhode Island 02903

RE: *Site Investigation Report (SIR)*
Queen Anne Square
Plat 24 Lot 346
Newport, Rhode Island
SAGE Project No. S2244

Dear Mr. Martella:

Attached please find a Site Investigation Report (SIR) associated with the referenced property (Site). The Site investigation was conducted in response to a Letter of Responsibility (LOR) issued by the Rhode Island Department of Environmental Management (RIDEM) in March 6, 2012.

Subsurface investigations of the 1.75-acre parcel known as Queen Anne Square were conducted in January and July 2012. Contaminants of concern for the Site were identified as a result of traditional All Appropriate Inquiries efforts as well as the Public Meeting process (R.I.G.L. Title 23, *Health and Safety*, Chapter 23-19.14, *Industrial Property Remediation and Reuse Act*, Section 23-19.14-5, *Environmental Equity and Public Participation*, and Section 7.00, Rule 7.07.A.iii of *Remediation Regulations*). A total of 54 soil borings were advanced, five of which were completed as groundwater monitor wells; 106 soil samples and 11 groundwater samples were obtained for laboratory analysis. With respect to soil, contaminants of concern identified above Method 1 Residential Direct Exposure Criteria include PAHs, metals (predominantly lead) more or less Site-wide, and TPH at a single location where the TPH concentration also exceeds the Method 1 GB Leachability Criteria.

Groundwater monitoring was conducted in January and July 2012. Results of groundwater sampling conducted at the Site did not identify concentrations of any target analyte exceeding the RIDEM Method 1 GB Groundwater Objectives.

172 Armistice Blvd.
Pawtucket, Rhode Island 02860
401-723-9900
FAX 401-723-9973
www.sageenvironmental.net

Given groundwater conditions at the Site, environmental risk appears limited to direct exposure to Site soils excepting the single boring location where the TPH concentration exceeded the GB Leachability Criterion.

Based on the findings of the Site Investigation, remedial alternatives were evaluated, and a preferred alternative for the Site has been selected. The preferred remedy is emplacement of an engineered barrier Site-wide combined with limited excavation of four select locations, more specifically, one location where TPH exceeds the RIDEM Method 1 GB Leachability Criterion and three additional locations where lead concentrations in soil appear anomalously high and/or elevated headspace responses were detected. Implementation of an Environmental Land Use Restriction is also proposed as part of the remedy. This alternative is protective of exposures to impacting materials, will be compliant with the *Remediation Regulations*, and is technically feasible and implementable by the Site owner.


A summary of the details of Site Investigatory activity conducted to date follows in the enclosed SIR. A completed Site Investigation checklist is also provided as **Attachment 7** of the report.

It is anticipated that the enclosed report, combined with prior submittals, is sufficient to meet the requirements of the Site Investigation process. Accordingly, on behalf of our client the Doris Duke Monument Foundation, upon your review of the enclosed report, we respectfully request RIDEM issue a Program Letter for the Site.

In the interim, should you have any questions, comment or require any additional information, please contact this office. Thank you for your prior assistance and in advance for your prompt review and response.

Sincerely,
SAGE Environmental, Inc.


Jeffrey D'Arrigo
Environmental Scientist


Bruce W. Clark
Principal

JD/BWC:car

Attachment

c: Mr. Pieter Roos, Executive Director, Doris Duke Monument Foundation

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ATTACHMENT 1 MARCH 6, 2012 LETTER OF RESPONSIBILITY

ATTACHMENT 2 COPIES OF PERTINENT CORRESPONDENCES TO/FROM RIDEM

- **RIDEM'S June 28, 2012 Conditional Approval**
- **SAGE's June 25, 2012 Proposed Scope of Work**
- **SAGE's May 3, 2012 Response to Public Comments Report inclusive of SAGE's January 31, 2012 Phase I Environmental Assessment Report**
- **Published Public Notice in Newport Daily News - March 16, 2012**
- **SAGE's March 13, 2012 Notification of Public Notice Distribution to Abutters Provided to RIDEM**
- **March 12, 2012 Public Notice Distributed to Abutters within 200' of the Site**
- **SAGE's March 9, 2012 Draft Public Notice and Preliminary Work Scope**
- **SAGE's March 9, 2012 List of Abutters within 200' of the Site and associated Plat Map to RIDEM**

- ATTACHMENT 3 JULY 18, 2012 – BORING/MONITOR WELL
CONSTRUCTION LOGS**
- ATTACHMENT 4 LABORATORY ANALYTICAL REPORTS
SOIL (JANUARY 16, 23 AND 24, JULY 18
AND JULY 27, 2012)**
- ATTACHMENT 5 LABORATORY ANALYTICAL REPORTS
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AND JULY 25, 2012)**
- ATTACHMENT 6 COMPREHENSIVE SOIL AND GROUNDWATER
DATA TABLES**
- ATTACHMENT 7 SIR CHECKLIST**

1.0 SITE DESCRIPTION

1.1 Site Location and Parcel Legal Description

This Site Investigation was performed of property identified as Lot 346 on Newport Assessor's Plat 24 in Newport, Rhode Island (hereinafter "Site"). The approximate center of the Site is located at 41° 29' 15" north latitude and 71° 18' 51" east-west longitude. A Site Location Map identifying the Site on a portion of the "Newport, Rhode Island Quadrangle" United States Geological Survey (USGS) topographic map is included as **Figure 1**. A Plat Plan depicting the Site on the City of Newport Tax Assessor's Plat No. 24 as Lot 346 is included as **Figure 2**. According to the Newport Tax Assessor's Office, the Site consists of 1.75 acres of land.

2.0 BACKGROUND

The Site is currently owned by the City of Newport and utilized as a public park known as Queen Anne Square (QAS). A redesign of the park is in progress. The redesign process is being funded by the Doris Duke Monument Foundation (DDMF) as a gift to the City of Newport.

Prior to implementation of the QAS redesign, a Phase I Environmental Site Assessment of the Site was conducted by *SAGE* Environmental, Inc. (*SAGE*) in January 2012. During this preliminary assessment of the Site, recognized environmental conditions (RECs), as defined by the American Society for Testing and Materials (ASTM) E-1527-05 site assessment standard, were noted as follows:

- Former dry cleaning facilities (City Steam Laundry, Mill Street Laundry, and Egan's Laundry and Cleaners) formerly occupied a portion of the southern half of the Site;
- The easterly abutting property in the northern portion of the Site, Trinity Church, was identified as a documented leaking underground storage tank (LUST) site according to the Rhode Island Department of Environmental Management (RIDEM). A tank closure inspection report prepared by Daniel Russell of RIDEM in 1993 noted approximately one yard of oil-impacted shale and soil which was drummed and slated for off-Site disposal. Mr. Russell noted that groundwater was not encountered during tank removal activities.
- Several additional off-Site properties of potential environmental concern were identified and include a portion of Egan's Laundry and Cleaners formerly located

east of the Site and a former service station located southeast of the Site at the corner of Spring and Mill Streets.

Potential contaminants of concern, based on former Site usage, include volatile organic compounds (VOCs) and total petroleum hydrocarbons (TPH) related to possible dry cleaning chemicals and petroleum products as well as the 13 Priority Pollutant Metals (PP13) possibly present from a variety of urban soil sources including lead-based paints, former pesticides and herbicides as well as potential residues from the combustion of coal. In addition, polynuclear aromatic hydrocarbons (PAHs) often related to residues from various petroleum products and/or combustion of coal and/or wood were also identified as potential Site contaminants.

Given the above Phase I findings, a Limited Subsurface Investigation (LSI) of the Site was conducted to evaluate soil and groundwater conditions at the Site in support of the QAS redesign.

Investigatory activities were initiated in January 2012 and included the installation of 31 soil borings (5 of which were completed as monitor wells), collection of 40 soil and four groundwater samples. Soil samples were submitted for TPH analysis via EPA Method 8100M (2 samples), VOCs via EPA Method 8260B (4 samples), semivolatile organic compounds (SVOCs) via EPA Method 8270D (22 Samples), PP13 metals (22 samples) and lead (1 sample). Soil data obtained was compared to the RIDEM Method 1 Residential Direct Exposure Criteria. Groundwater beneath the Site has been classified as GB, and therefore soil analytical data was also compared to the RIDEM Method 1 GB Leachability criteria, where established.

Results of laboratory analysis of soil samples identified exceedances of RIDEM Method 1 Residential Direct Exposure Criteria as follows:

- TPH: A concentration of 13,200 mg/kg, which exceeds the RIDEM Method 1 Residential Direct Exposure Criteria of 500 mg/kg in Boring B-21 S2B (It should also be noted that this concentration exceeds the GB Leachability criterion for TPH.)
- Polynuclear Aromatic Hydrocarbon (PAH): PAH compounds exceeded RIDEM Method 1 Residential Direct Exposure Criteria in fifteen of the 22 samples submitted for SVOC analysis.
- PP13 metals: Of the 23 samples submitted for PP13 laboratory analysis, the Method 1 Residential Direct Exposure Criterion for lead was exceeded in eleven (11) samples. Beryllium was identified at two locations (B-7 S1 and B-11 S2) in exceedance of the RIDEM Method 1 Residential Direct Exposure Criteria. Remaining PP13 metals were compliant with RIDEM Method 1 Residential Direct Exposure Criteria in all of the 22 samples analyzed with the exception of arsenic which was identified above the RIDEM Method 1 Residential Direct Exposure Criteria in a single sample (B-36 S1).

Results of analysis did not identify exceedances of the RIDEM Method 1 GB Leachability Criteria except at boring location B-21 as indicated above. It should be noted that Method 1 GB Leachability Criteria for the priority pollutant metals have not been established nor have Leachability standards been developed for some of the target analytes included in the VOC (EPA Method 8260B) and SVOC (EPA Method 8270C) analyses.

Limited subsurface investigation also included the installation of five groundwater monitoring wells and subsequent groundwater monitoring. On January 31, 2012, groundwater samples were obtained from monitor wells MW-1, MW-3, MW-4 and MW-5. Monitor well MW-2 was dry at the time sampled. Groundwater samples from monitor wells MW-1, MW-3, MW-4 and MW-5 were submitted for analysis of VOCs; groundwater samples from monitor wells MW-3 and MW-4 were also submitted for analysis of PP13 metals. Results of groundwater laboratory analysis indicated that no VOCs were identified in groundwater samples with the exception of MW-1 where low levels of naphthalene and acetone were detected. It should be noted that GB Groundwater Quality Objectives for many VOCs and for the PP13 metals have not been established by RIDEM.

No exceedances of Upper Concentration Limits (UCLs) were identified in any of the soil and/or groundwater samples collected for laboratory analysis during the LSI. RIDEM considers UCLs as concentrations of hazardous substances or petroleum which, if exceeded, may demarcate a transition between contaminated environmental media and waste in the environment.

Based on the results of the LSI, release notification was made to RIDEM on March 6, 2012. In response to the release notification, RIDEM issued a Letter of Responsibility (LOR) to the City of Newport. The LOR indicated that "the Site is subject to the Public Involvement requirements under RI General Law (R.I.G.L.), Title 23, *Health and Safety*, Chapter 23-19.14, *Industrial Property Remediation and Reuse Act*, Section 23-19.14-5, *Environmental Equity and Public Participation*, as well as Section 7.00, Rule 7.07.A.iii of the *Remediation Regulations*.

Therefore, the City of Newport and/or the DDMF, prior to finalizing the scope of work for the investigation of the Site, must schedule and hold a Public Meeting. Public notice of the meeting must be given at least ten (10) business days prior to the meeting. The public meeting shall be conducted in a manner consistent with the requirements in Rule 7.07(C) regarding Community Meetings. The results of All Appropriate Inquiries, analysis and the public meeting, including the comment period, shall be documented in a written report submitted to the Department in both hard copy and electronic format (as specified by the *Remediation Regulations*) within 72 hours of the meeting."

The LOR also indicated that further Site investigation of the Site be conducted in accordance with Section 7.0 of the *Remediation Regulations*. A copy of the March 6, 2012 LOR is included as **Attachment 1**.

3.0 PUBLIC INVOLVEMENT/PUBLIC MEETING

In accordance with the Public Involvement requirements of R.I.G.L. 23-19.14 and the Remediation Regulation requirements, a public meeting was scheduled. On March 9, 2012, a draft Public Notice document, which included a preliminary scope of work, was prepared and submitted to RIDEM for review and comment. After finalizing the Public Notice document, notice of the meeting was made on March 16, 2012. The meeting was held on April 2, 2012, and the record of the meeting remained open for 10 business days to allow for additional public comment and concluded at 4:00 PM on April 16, 2012. A summary report was prepared documenting the meeting and was submitted to RIDEM on May 3, 2012. The report documented the meeting comment and provided responses to comment, where possible.

After consideration of the All Appropriate Inquiry investigation, information gained from and public concerns voiced at the meeting, the March 9, 2012 scope of work was revised and submitted to RIDEM review on June 25, 2012.

On June 28, 2012, RIDEM issued its Conditional Approval of the proposed scope of work for additional investigation of QAS. The approval letter acknowledged completion of the public meeting process and general concurrence with the scope of work proposed.

Copies of documents pertinent to the Public Meeting process, proposed scope of work to be completed under the Site Investigation process and RIDEM's Conditional Approval for implementation are included in **Attachment 2**.

4.0 SITE INVESTIGATION SCOPE OF WORK

As indicated above, a Scope of Work was submitted to address data gaps and comments documented during the public comment period and to expand on the initial subsurface investigation conducted in January 2012. This scope of work, which was Conditionally Approved by RIDEM on June 28, 2012, included the following work elements:

- the advancement of additional soil borings in the vicinity of B-21/MW-2 to further evaluate the petroleum extent

- installation of an additional monitor well in the vicinity of soil boring location B-22 to evaluate potential upgradient impacts from nearby properties of potential environmental concern;
- Site-wide evaluation of surficial soils for PCBs;
- the installation of up to three additional monitor wells; and
- efforts to locate, and if possible sample, a suspected well referenced in the Conditional Approval letter.

The details of Site Investigation activity conducted in accordance with the June 28, 2012 approval letter and Section 7.0 of the *Remediation Regulations* are provided in the sections that follow.

4.2 Pre Drilling Activities

Pre-drilling activities included notifying DigSafe and local utilities to mark underground utilities in the area (Digsafe ticket # 2012-2610865 and 2012-2610922).

4.3 Soil Boring/Monitor Well Installations

A total of 12 soil borings were advanced at the Site on July 18, 2012 by Zebra Environmental of Uxbridge Massachusetts, utilizing Geoprobe[®] direct-push technology. SAGE personnel were on-Site to supervise drilling activities and characterize subsurface conditions. Locations of the borings/monitor wells are depicted on **Figure 3**. The rationale for placement of soil borings is summarized in **Table 1**.

Table 1
Soil Boring Placement Rationale
Queen Anne Square
Plat 24 Lot 346
Newport, Rhode Island

Boring ID	Placement Rationale
B-38 and B-42	To further evaluate the source of the elevated concentrations of TPH in the vicinity of MW-2 as well as other potential contaminants of concern
B-43 through B-49	To evaluate shallow soil (0 to 2 feet below grade level) Site-wide for potential PCB impacts.
B-37	Advanced in the vicinity of previously installed boring B-22 in an effort to evaluate if there is any evidence of a release to groundwater from an upgradient source migrating onto the Site, including potential historic releases from the gas station formerly located on the corner of Spring and Mill Streets (specifically requested by RIDEM)

Borings B-37 and B-41 were advanced to depths of 16 and 16.5 feet below grade level (bgl), respectively. Borings B-38, B-39, B-40, and B-42 met refusal (presumably bedrock) at depths ranging from 8 feet to 11 feet bgl. Borings B-43 through B-49 were installed to evaluate shallow soil impacts and were advanced to a maximum depth of two feet bgl.

Groundwater was encountered in borings B-37 and B-41 at approximately 14 to 16 feet bgl. During attempts to install monitor well materials within the boring hole casing, refusal was met at approximately 11 feet bgl in B-37 and 7 feet bgl in B-41. Groundwater was not encountered in the remaining borings advanced at the Site.

Recovered soils were screened in the field via the jar headspace method with an OVM 580B photoionization detector (PID). The PID was equipped with a 10.2eV lamp and calibrated to an isobutylene standard. This screening method detects compounds associated with petroleum constituents and many common solvents. Field screening results are summarized in **Table 2**.

Table 2
Soil Screening Results
Jar Headspace Analysis (ppm)
Queen Anne Square
Plat 24 Lot 346
Newport, Rhode Island

Boring ID	Sample No.	Depth (ft)	Total VOC (ppm)	Total Boring Depth
B-37	S1-A	0-2	ND	Boring advanced to 16 feet bgl, casing refusal at 11 feet bgl. Groundwater sample collected with screen point sampler
	S1-B	2-3.5	ND	
	S1-C	3.5-5	ND	
	S-2	5-10	ND	
	S3-A	10-12.5	ND	
	S3-B	12.5-15.0	550	
	S-4	15-16.5	274	
B-38	S1-A	0-2	2	Boring refusal at 11 feet bgl
	S1-B	2-3	ND	
	S1-C	3-5	ND	
	S2-A	5-6.5	1.7	
	S2-B	6.5-10	ND	
	S-3	10-11	7	
B-39	S1-A	0-1	ND	Boring refusal at 8 feet bgl
	S1-B	1-3	3.1	
	S1-C	3-5	ND	
	S2-A	5-6	ND	
	S2-B	6-7	ND	
	S2-C	7-8	ND	
B-40	S1-A	0-1	ND	Boring refusal at 9 feet bgl
	S1-B	1-2	0.6	
	S1-C	2-5	ND	
	S2-A	5-7.5	ND	
	S2-B	7.5-9	ND	
B-41	S-1	0-5	1	Boring advanced to 16.5 feet bgl, casing refusal at 7 feet bgl. Groundwater sample collected with screen point sampler
	S2-A	5-7	983	
	S2-B	7-8	970	
	S2-C	8-10	9	
	S3-A	10-11	1.1	
	S3-B	11-14	999	
	S3-C	14-15	23	
	S4-A	15-15.5	5	
	S4-B	15.5-16.5	ND	
B-42	S-1	0-5	ND	Boring refusal at 11 feet bgl, casing refusal at 3' bgl. Attempted to advance screen point sampler to obtain groundwater sample. Screen Point Sampler met refusal at 10 feet bgl; no groundwater encountered
	S-2	5-10	ND	
	S-3	10-11	ND	
B-43	S-1	0-2	ND	2 feet bgl
B-44	S-1	0-2	ND	2 feet bgl
B-45	S-1	0-2	ND	2 feet bgl
B-46	S-1	0-2	ND	2 feet bgl
B-47	S-1	0-2	ND	2 feet bgl
B-48	S-1	0-2	ND	2 feet bgl
B-49	S-1	0-2	ND	2 feet bgl

ND = Not detected

As shown in **Table 2**, elevated PID responses were identified in borings B-37 and B-41. It should also be noted that elevated PID responses were previously identified in B-6 and B-21 in January 2012.

Observation of soils collected from soil borings indicate that Site soils consist predominantly of fine to coarse sand with some gravel. Fill material (i.e., concrete, brick, asphalt and wood) was also observed at various locations. Boring depths were limited by the presence of shallow bedrock in the form of weathered shale. Detailed classifications and descriptions of recovered soils, along with PID field screening results, are depicted on the Soil Boring/Monitor Well Construction Logs included as **Attachment 3**.

In accordance with the approved scope of work, monitor well installations were attempted in borings B-37, B-41, and B-42.

B-37 was advanced in the vicinity of previously installed boring B-22 in an effort to evaluate if there is any evidence of a release to groundwater from an upgradient source migrating onto the Site, including potential historic releases from the gas station formerly located on the corner of Spring and Mill Streets. Boring B-37 was advanced to a terminal depth of 16' feet bgl. During casing advancement necessary to construct a groundwater monitor well; however, refusal was met at 11' feet bgl, and no well was installed at this location as a result.

Groundwater was encountered in this boring at approximately 14 feet bgl. In an effort to obtain groundwater data in the absence of a deep well installation, a steel screen-point sampler was advanced to 16' feet bgl in the boring using the Geoprobe. Screened-point (SP) samplers allow groundwater to infiltrate into a small section of well screen connected to a polyethylene tube which extends to the surface. Two groundwater grab samples were obtained by this method from 16' feet bgl in B-37. The first sample was collected instantaneously, while the second sample was collected following an extended recharge period after limited purging. Groundwater samples were collected in analyte-specific containers, placed on ice and transported via chain-of-custody protocol to a Rhode Island-certified laboratory for analysis of VOCs via EPA Method 8260B. Results of SP sampling of boring B-37 are summarized in **Section 3.7.2**.

Boring B-38, B-39, B-40 and B-41 were advanced in the vicinity of monitor well MW-2 and previously installed boring B-21, to further delineate an area where a TPH concentration of 13,200 mg/kg was identified during the January 2012 subsurface investigation.

Boring B-41 was advanced to a terminal depth of 16.5' feet bgl. During casing advancement necessary to construct a groundwater monitor well; however, refusal was met at 7' feet bgl, and no well was installed at this location as a result.

Groundwater was encountered in this boring at approximately 14 feet bgl. In an effort to obtain groundwater data in the absence of a well installation, a steel screen-point sampler was advanced to 16.5' feet bgl in the boring. Two groundwater grab samples were obtained by this method from 16.5' feet bgl in B-41. The first sample was collected instantaneously, while the second sample was collected following an extended recharge period after limited purging. Groundwater samples were collected in analyte specific containers and transported on ice via chain-of-custody protocol to a Rhode Island-certified laboratory for analysis of VOCs via EPA Method 8260B. Results of SP sampling of boring B-41 are summarized in **Section 3.7.2**.

4.4 Subsurface Soil Sampling and Analysis

On July 18, 2012, soil samples were collected from select depths of the newly-installed borings. A table summarizing soil sampling and laboratory analysis performed is provided below.

Table 3
Laboratory Analysis of Soil Samples Summary
Queen Anne Square
Plat 24 Lot 346
Newport, Rhode Island

Boring ID	Depth (ft)	Analytical Method			
		Metals	TPH	VOCs	PCBs
B-37	0-2 (and possibly a deeper interval - see note below)	X			X (X)
B-38	0-2 (and possibly a deeper interval - see note below)	X	X	X	X (X)
B-39	0-2 (and possibly a deeper interval - see note below)	X	X	X	X (X)
B-40	0-2 (and possibly a deeper interval - see note below)	X	X	X	X (X)
B-41	0-2 (and possibly a deeper interval - see note below)	X	X	X	X (X)
B-42	0-2 (and possibly a deeper interval - see note below)	X	X	X	X (X)
B-43	0-2				X
B-44	0-2				X
B-45	0-2				X
B-46	0-2				X
B-47	0-2				X
B-48	0-2				X
B-49	0-2				X

Note: Soil samples will be collected from the boring interval with the highest PID headspace response and/or other evidence of impact (i.e., staining, odors). In the absence of positive PID headspace responses or other evidence of obvious impact, samples will be collected from the apparent water table interface.

The samples were transported under chain-of-custody protocol to a Rhode Island-certified laboratory for analysis of VOCs via EPA Method 8260, TPH via EPA Method 8100M, PCBs via EPA Method 8082 and PP13 metals. Laboratory analytical results for the subsurface soil samples are summarized in **Table 4**. Laboratory analytical reports, including Chain-of-Custody documentation, are included as **Attachment 4**.

Table 4 (continued)
Soil Sample Analytical Summary
Queen Anne Square
Plat 24 Lot 346
Newport, Rhode Island

Sample / (Depth) / Date	Concentration															RIDEM Method 1 Objective		
	B-37 S1	B-37 S3B	B-37 S4	B-38 S1	B-38 S3	B-39 S1	B-39 S1B	B-40 S1	B-40 S1B	B-41 S1	B-41 S2A	B-41 S3B	B-41 S4B	B-42 S1	B-42 S3	Direct Exposure (Residential)	Direct Exposure (Ind. / Comm.)	GB Leachability
	7/18/2012	7/18/2012	7/18/2012	7/18/2012	7/18/2012	7/18/2012	7/18/2012	7/18/2012	7/18/2012	7/18/2012	7/18/2012	7/18/2012	7/18/2012	7/18/2012	7/18/2012			
Analyte																		
Volatile Organic Compounds by 8260B (ug/kg):				NA		NA		NA		NA				NA				
tert-Butylbenzene		<77	<43		<51		<100		<57		<81	<58	<59		<63	NE	NE	NE
1,2,4-Trimethylbenzene		<77	<43		<51		<100		<57		260	6100	<59		<63	NE	NE	NE
sec-Butylbenzene		820	<43		<51		<100		<57		110	650	70		<63	NE	NE	NE
p-Isopropyltoluene		<77	<43		<51		<100		<57		340	370	<59		<63	NE	NE	NE
Chloromethane		<77	<43		<51		<100		<57		<81	<58	<59		<63	NE	NE	NE
tert butyl alcohol		<77	<43		<51		<100		<57		<81	<58	<59		<63	NE	NE	NE
1,3-Dichlorobenzene		<77	<43		<51		<100		<57		<81	<58	<59		<63	430000	1000000	NE
Tetrahydrofuran		<77	<43		<51		<100		<57		<81	<58	<59		<63	NE	NE	NE
1,4-Dichlorobenzene		<77	<43		<51		<100		<57		<81	<58	<59		<63	27000	240000	NE
Diethyl Ether		<77	<43		<51		<100		<57		<81	<58	<59		<63	NE	NE	NE
n-Butylbenzene		<77	<43		<51		<100		<57		220	790	<59		<63	NE	NE	NE
1,2-Dichlorobenzene		<77	<43		<51		<100		<57		<81	<58	<59		<63	510000	1000000	NE
1,2-Dibromo-3-chloropropane		<77	<43		<51		<100		<57		<81	<58	<59		<63	500	4100	NE
1,2,4-Trichlorobenzene		<77	<43		<51		<100		<57		<81	<58	<59		<63	96000	1000000	NE
Hexachlorobutadiene		<77	<43		<51		<100		<57		<81	<58	<59		<63	8200	73000	NE
Naphthalene		<77	<43		<51		<100		<57		<81	2300	<59		<63	54000	1000000	NE
1,2,3-Trichlorobenzene		<77	<43		<51		<100		<57		<81	<58	<59		<63	NE	NE	NE
Tert-amyl Methyl Ether		<77	<43		<51		<100		<57		<81	<58	<59		<63	NE	NE	NE
Dichlorodifluoromethane		<77	<43		<51		<100		<57		<81	<58	<59		<63	NE	NE	NE
1,3-Dichloropropane		<77	<43		<51		<100		<57		<81	<58	<59		<63	NE	NE	NE
Trichlorofluoromethane		<77	<43		<51		<100		<57		<81	<58	<59		<63	NE	NE	NE
Ethyl Tert-butyl ether		<77	<43		<51		<100		<57		<81	<58	<59		<63	NE	NE	NE
Diisopropyl Ether		<77	<43		<51		<100		<57		<81	<58	<59		<63	NE	NE	NE
1,4-Dioxane		<19000	<11000		<13000		<26000		<14000		<20000	<14000	<15000		<16000	NE	NE	NE
Total Trihalomethanes		<77	<43		<51		<100		<57		<81	<58	<59		<63	NE	NE	NE
PCBs by 8082A (ug/kg):		NA	NA		NA		NA		NA		NA	NA	NA		NA			
Aroclor-1016	<100			<100		<100		<100		<100				<100				
Aroclor-1221	<100			<100		<100		<100		<100				<100				
Aroclor-1232	<100			<100		<100		<100		<100				<100				
Aroclor-1242	<100			<100		<100		<100		<100				<100				
Aroclor-1248	<100			<100		<100		<100		<100				<100				
Aroclor-1254	<100			<100		<100		<100		234				<100				
Aroclor-1260	<100			<100		<100		<100		<100				<100				
Aroclor-1262	<100			<100		<100		<100		<100				<100				
Aroclor-1268	<100			<100		<100		<100		<100				<100				
Total PCB	<100			<100		<100		<100		234				<100		10000	10000	10000
Total Metals by 6010C (mg/kg):		NA	NA		NA		NA		NA		NA	NA	NA		NA			
Antimony	2.24			<0.68		0.85		183 ^a		0.77				1.04		10	820	NE
Arsenic	6.22			6.06		6.8		77.7 ^{ab}		5				3.36		7	7	NE
Beryllium	0.53			0.47		0.49		0.34		<0.36				0.48		1.5	1.5	NE
Cadmium	0.73			<0.34		<0.32		0.96		<0.36				<0.31		39	1000	NE
Chromium	13.1			10.2		10.3		10.9		8.02				6.62		390	10000	NE
Copper	41.6			36.2		19.7		48.9		26.5				10.8		3100	10000	NE
Lead	827 ^{ab}			269 ^a		103		161000 ^{abu}		199 ^a				16.5		150	500	NE
Nickel	11.6			11.9		14.4		12.2		8.88				15.6		1000	10000	NE
Selenium	9.32			7.98		8.08		6.64		7.94				5.68		390	10000	NE
Silver	<0.38			<0.34		<0.32		1.62		<0.36				0.64		200	10000	NE
Zinc	397			127		80.6		107		103				28.4		6000	10000	NE

Table 4 (continued)
Soil Sample Analytical Summary
Queen Anne Square
Plat 24 Lot 346
Newport, Rhode Island

Sample / (Depth) / Date	Concentration															RIDEM Method 1 Objective		
	B-37 S1	B-37 S3B	B-37 S4	B-38 S1	B-38 S3	B-39 S1	B-39 S1B	B-40 S1	B-40 S1B	B-41 S1	B-41 S2A	B-41 S3B	B-41 S4B	B-42 S1	B-42 S3	Direct Exposure (Residential)	Direct Exposure (Ind. / Comm.)	GB Leachability
Analyte	7/18/2012	7/18/2012	7/18/2012	7/18/2012	7/18/2012	7/18/2012	7/18/2012	7/18/2012	7/18/2012	7/18/2012	7/18/2012	7/18/2012	7/18/2012	7/18/2012	7/18/2012			
Total Metals by 7471B (mg/kg):		NA	NA		NA		NA		NA		NA		NA		NA			
Mercury	0.785			0.678		0.533		0.629		0.539				<0.074		23	610	NE
Total Metals by 7010 (mg/kg):		NA	NA		NA		NA		NA		NA		NA		NA			
Thallium	<0.76			<0.68		<0.63		<0.66		<0.72				<0.63		5.5	140	NE

Where necessary, the RIDEM objectives, in ppm, have been converted to ppb to match the laboratory reporting method.

NE: No allowable limit is established for the substance

<x: Indicates analyte concentration not detected at or above specified laboratory quantitation limit (x)

Sample Results:

a-b: Analyte concentration in this sample exceeds the RIDEM objectives for:

a: Direct Exposure in a residential area

b: Direct Exposure in a commercial or industrial area

e-f: Although the analyte was not detected, the laboratory quantitation limit for this sample exceeds the RIDEM objectives for:

e: Direct Exposure in a residential area

f: Direct Exposure in a commercial or industrial area

u: Analyte concentration in this sample exceeds the RIDEM Upper Concentration Limit

Table 4 (concluded)
Queen Anne Square
Plat 24 Lot 346
Soil Sample Results

Sample / (Depth) / Date	Concentration							RIDEM Method 1 Objective		
	B-43 S1	B-44 S1	B-45 S1	B-46 S1	B-47 S1	B-48 S1	B-49 S1	Direct Exposure (Residential)	Direct Exposure (Ind. / Comm.)	GB Leachability
Analyte	7/18/2012	7/18/2012	7/18/2012	7/18/2012	7/18/2012	7/18/2012	7/18/2012			
PCBs by 8082A (ug/kg):										
Aroclor-1016	<100	<100	<100	<100	<100	<100	<100			
Aroclor-1221	<100	<100	<100	<100	<100	<100	<100			
Aroclor-1232	<100	<100	<100	<100	<100	<100	<100			
Aroclor-1242	<100	<100	<100	<100	<100	<100	<100			
Aroclor-1248	<100	<100	<100	<100	<100	<100	<100			
Aroclor-1254	<100	<100	<100	<100	<100	<100	<100			
Aroclor-1260	<100	<100	<100	<100	<100	<100	<100			
Aroclor-1262	<100	<100	<100	<100	<100	<100	<100			
Aroclor-1268	<100	<100	<100	<100	<100	<100	<100			
Total PCB	<100	<100	<100	<100	<100	<100	<100	10000	10000	10000

Where necessary, the RIDEM objectives, in ppm, have been converted to ppb to match the laboratory reporting method.

<x: Indicates analyte concentration not detected at or above specified laboratory quantitation limit (x)

Analytical results for subsurface soil samples collected during the advancement of soil borings at the Site on July 18, 2012 identified exceedances of the RIDEM Method 1 Residential Direct Exposure Criteria for lead in samples B-37 S1 (827 ppm), B-38 S1 (269 ppm), B-40 S1 (161,000 ppm), and B-41 S1 (199 ppm) collected at 0-2' feet bgl. In addition exceedances of Method 1 Residential Direct Exposure Criteria for antimony and arsenic were detected in sample B-40 S1 at 183 ppm and 77.7 ppm, respectively.

No concentrations of other analytes where detected, were above RIDEM Method 1 Residential Direct Exposure Criteria.

As indicated in **Table 4**, lead was detected in soil sample B-40 S1 at a depth of approximately 0-2 feet bgl at a concentration of 161,000 ppm, which represents an exceedance of RIDEM's UCL of 10,000 ppm for a hazardous substance in soil. Sample B-40 S1 was a composite sample of the first two soil horizons (S-1A and S-1B) in the initial S-1 Geoprobe macrocore sleeve. As indicated in the boring log for B-40 (see **Attachment 3**), the first five-foot macrocore yielded four feet of recovered soil, S-1A, S-1B and S-1C at respective thicknesses of 8", 10" and 30" in each subsample. Headspace screening of sample S-1B exhibited a low headspace response, and a portion of the sample was submitted for TPH analysis. After the laboratory communicated the lead results for sample B-40 S-1, *SAGE* requested that sample B-40 S-1B also be analyzed for lead in addition to the TPH analysis initially requested in an effort to evaluate the vertical extent of lead in the boring. Results of additional lead analysis for B-40 S1B are summarized in **Table 5**. Laboratory analytical reports, including chain-of-custody documentation, are included as **Attachment 4**.

Table 5
Additional Soil Analysis
Queen Anne Square
Plat 24 Lot 346
Newport, Rhode Island

Sample / (Depth) / Date	Concentration	RIDEM Method 1 Objective		
	B-40 S1B 7/18/2012	Direct Exposure (Residential)	Direct Exposure (Ind. / Comm.)	GB Leachability
Total Metals by 6010C (mg/kg):				
Arsenic	11.5 ^{ab}	7	7	NE
Barium	167	5500	10000	NE
Cadmium	<3.6	39	1000	NE
Chromium	16.3	390	10000	NE
Lead	4330 ^{ab}	150	500	NE
Selenium	<7.21	390	10000	NE
Silver	23	200	10000	NE
Total Metals by 7471B (mg/kg):				
Mercury	1.61	23	610	NE
SPLP Metals by 6010C (mg/l):				
Lead		SNA	SNA	NE

Where necessary, the RIDEM objectives, in ppm, have been converted to ppb to match the laboratory reporting method.

NE: No allowable limit is established for the substance

SNA: Standard not applicable to this laboratory analysis

<x: Indicates analyte concentration not detected at or above specified laboratory quantitation limit (x)

Sample Results:

a-b: Analyte concentration in this sample exceeds the RIDEM objectives for:

a: Direct Exposure in a residential area

b: Direct Exposure in a commercial or industrial area

Analysis of sample B-40 S1B showed a significant decrease in concentration from 161,000 ppm to 4,330 ppm dropping below UCL standards but still exceeding Method 1 Residential and Industrial Commercial Direct Exposure Criteria. Soil characteristics from 0-2 feet bgl in boring B-40 consisted of urban fill-like material in the form of apparent buried building materials. It appears possible that a piece of lead-based material may have been collected in soil sample B-40 S1 resulting in the uncharacteristically high concentration of 161,000 ppm.

In an effort to further characterize the extent of lead in shallow soils at the Site, analysis was conducted on samples obtained from borings B-43 S1, B-44 S1, B-45 S1, B-46 S1, B-47 S1, B-48 S1 and B-49 S1 previously collected from 0-2 feet bgl and initially submitted to the laboratory for PCBs analysis. Results of additional analysis are summarized in **Table 6**. Laboratory analytical reports, including chain-of-custody documentation, are included as **Attachment 4**.

Table 6
Additional Lead Analysis for Surficial Soils
Queen Anne Square
Plat 24 Lot 346
Newport, Rhode Island

Sample / (Depth) / Date	Concentration							RIDEM Method 1 Objective		
	B-43 S1	B-44 S1	B-45 S1	B-46 S1	B-47 S1	B-48 S1	B-49 S1	Direct Exposure (Residential)	Direct Exposure (Ind. / Comm.)	GB Leachability
Analyte	7/18/2012	7/18/2012	7/18/2012	7/18/2012	7/18/2012	7/18/2012	7/18/2012			
Total Metals by 6010C (mg/kg):										
Lead	59.9	145	134	205 ^a	85.5	126	4050 ^{ab}	150	500	NE

Where necessary, the RIDEM objectives, in ppm, have been converted to ppb to match the laboratory reporting method.

NE: No allowable limit is established for the substance

Sample Results:

a-b: Analyte concentration in this sample exceeds the RIDEM objectives for:

- a: Direct Exposure in a residential area
- b: Direct Exposure in a commercial or industrial area

Additional lead analysis revealed that elevated lead concentrations were present in two of the additional samples B-46 S1 and B-49 S1 at concentrations of 205 ppm and 4050 ppm respectively. Sample B-49 S1 exceeds Method 1 Industrial Commercial Direct Exposure Criteria however does not exceed the UCL concentration standard of 10,000 ppm.

In an effort to further delineate the horizontal and vertical extent of lead in the vicinity of borings B-40 and B-37 where respective lead concentrations of 161,000 mg/kg and 827 mg/kg were detected, *SAGE* returned to the Site on July 27, 2012 to collect additional soil samples.

4.5 Additional Shallow Subsurface Investigation

On July 27, 2012 *SAGE* returned to the Site and advanced 10 additional hand augered borings (B-50, B-51, B-52, B-53, B-54, B-55, B-56, B-57, B-58 and B-40A), and a total of 11 samples were collected for lead analysis. Boring locations are depicted in **Figure 3**. Samples collected were placed in a cooler on ice and transported via chain-of-custody protocol to a Rhode Island-certified laboratory for analysis of lead via EPA Method 6010C.

Borings B-50, B-52, B-53, B-57 and B-58 were advanced in each compass direction around B-40. B-40A was advanced in the same location as boring B-40 and a sample collected at a depth of four feet bgl. Samples were collected from 0-2 feet bgl. An additional sample was also collected from a depth of 34 inches bgl in B-57.

Borings B-51, B-54, B-55 and B-56 were advanced in each compass direction around boring B-37 where lead was detected on July 18, 2012 at 827 ppm. Borings were advanced to a depth of 0-2 feet bgl. Results of additional soil sampling are summarized in **Table 7**. Laboratory analytical reports, including chain-of-custody documentation, are included as **Attachment 4**.

Additional sampling in the vicinity of boring B-49, where lead was detected at a concentration of 4,050 ppm, was also intended. Unfortunately, soil conditions were such that this effort was abandoned due to time constraints and field conditions encountered.

Table 7
Soil Sample Results
Queen Anne Square
Plat 24 Lot 346
Newport, Rhode Island

Sample / (Depth) / Date	Concentration											RIDEM Method 1 Objective		
	B-40A (4')	B-50 (0-2')	B-51 (0-2')	B-52 (0-2')	B-53 (0-2')	B-54 (0-2')	B-55 (0-2')	B-56 (0-2')	B-57 (0-2')	B-57 (34")	B-58 (0-2')	Direct Exposure (Residential)	Direct Exposure (Ind. / Comm.)	GB Leachability
Analyte	7/27/2012	7/27/2012	7/27/2012	7/27/2012	7/27/2012	7/27/2012	7/27/2012	7/27/2012	7/27/2012	7/27/2012	7/27/2012			
Total Metals by 6010C (mg/kg):														
Lead	171 ^a	212 ^a	170 ^a	101	165 ^a	148	119	923 ^{ab}	128	123	143	150	500	NE

Where necessary, the RIDEM objectives, in ppm, have been converted to ppb to match the laboratory reporting method.

NE: No allowable limit is established for the substance

Sample Results:

a-b: Analyte concentration in this sample exceeds the RIDEM objectives for:

a: Direct Exposure in a residential area

b: Direct Exposure in a commercial or industrial area

4.6 Groundwater Gauging, Sampling and Laboratory Analysis

Groundwater monitoring activities were conducted on July 25, 2012 as summarized in the following sections.

4.6.1 Groundwater Gauging

The five monitor wells located on Site were gauged using an electronic oil/water interface probe on July 25, 2012. No separate phase product (SPP) was identified in Site monitor wells during the gauging event. A depth to groundwater measurement was obtained from monitor well MW-3; remaining Site monitor wells were dry at the time. Groundwater gauging data is summarized in **Table 8**.

Table 8
Groundwater Gauging Summary
Queen Anne Square
Plat 24 Lot 346
Newport, Rhode Island

Well #	Well Dia. (in)	MP Elevation (ft)	Depth To Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Equivalent Head Elev. (ft)
MW-1	2	99.74	---	NG	0.00	NG
MW-2	2	98.77	---	NG	0.00	NG
MW-3	2	89.23	---	9.35	0.00	79.88
MW-4	2	89.22	---	NG	0.00	NG
MW-5	2	88.83	---	NG	0.00	NG

Comments:

— = No separate-phase petroleum identified

NG = Not gauged

4.6.2 Groundwater Sampling and Analysis

On July 25, 2012, groundwater samples were collected from the existing installed monitor wells using dedicated, disposable bailers. During the sampling event all monitor wells were dry with insufficient volumes of water to allow for sampling, with the exception of MW-3. Prior to sample collection, the wells were purged of three to five well volumes of water. The groundwater samples were collected in analyte-specific containers, stored on ice and transported under chain-of-custody protocol to a Rhode Island-certified laboratory for analysis for VOCs via EPA Method 8260. As discussed in

Section 3.4, groundwater samples were obtained from borings B-37 and B-41 for VOC analysis due to casing refusals encountered during attempts to install monitor wells within these borings. Laboratory analytical results of groundwater samples collected from B-37, B-41 and MW-3 are summarized in **Table 9**. Laboratory analytical reports, including Chain-of-Custody documentation, are included as **Attachment 5**.

Table 9
Groundwater Analytical Summary
Queen Anne Square
Plat 24 Lot 346
Newport, Rhode Island

Sample / Date Analyte	Concentration				MW-3 7/25/2012	RIDEM Method 1 Objective GB Groundwater	RIDEM GB Groundwater UCL
	B-37 (1)	B-37 (2)	B-41 (1)	B-41 (2)			
	7/18/2012	7/18/2012	7/18/2012	7/18/2012			
Volatile Organic Compounds by 8260B (ug/l):							
Vinyl Chloride	<1	<1	<1	<1	<1	2	NE
Bromomethane	<1	<1	<1	<1	<1	NE	NE
Chloroethane	<1	<1	<1	<1	<1	NE	NE
Acetone	37	29	40	47	<5	NE	NE
1,1-Dichloroethene	<1	<1	<1	<1	<1	7	23000
Carbon Disulfide	<1	<1	<1	<1	<1	NE	NE
Methylene Chloride	<1	<1	<1	<1	<1	NE	NE
tert-Butyl methyl ether	<1	<1	<1	<1	<1	5000	NE
trans-1,2-Dichloroethene	<1	<1	<1	<1	<1	2800	79000
1,1-Dichloroethane	<1	<1	<1	<1	<1	NE	NE
2-Butanone	<5	<5	11	<5	<5	NE	NE
2,2-Dichloropropane	<1	<1	<1	<1	<1	NE	NE
cis-1,2-Dichloroethene	<1	<1	<1	<1	<1	2400	69000
Chloroform	<1	<1	<1	<1	<1	NE	NE
Bromochloromethane	<1	<1	<1	<1	<1	NE	NE
1,1,1-Trichloroethane	<1	<1	<1	<1	<1	3100	68000
1,1-Dichloropropene	<1	<1	<1	<1	<1	NE	NE
Carbon Tetrachloride	<1	<1	<1	<1	<1	70	NE
Benzene	<1	<1	1	<1	<1	140	18000
1,2-Dichloroethane	<1	<1	<1	<1	<1	110	670000
Trichloroethene	<1	<1	<1	<1	<1	540	87000
1,2-Dichloropropane	<1	<1	<1	<1	<1	3000	140000
Bromodichloromethane	<1	<1	<1	<1	<1	NE	NE
Dibromomethane	<1	<1	<1	<1	<1	NE	NE
4-Methyl-2-pentanone	<5	<5	<5	<5	<5	NE	NE
Ethylene Dibromide	<1	<1	<1	<1	<1	NE	NE
cis-1,3-Dichloropropene	<1	<1	<1	<1	<1	NE	NE
Toluene	<1	<1	<1	<1	<1	1700	21000
Trans-1,3-Dichloropropene	<1	<1	<1	<1	<1	NE	NE
1,1,2-Trichloroethane	<1	<1	<1	<1	<1	NE	NE
2-Hexanone	<5	<5	<5	<5	<5	NE	NE
Tetrachloroethene	<1	<1	<1	<1	<1	150	NE
Chlorodibromomethane	<1	<1	<1	<1	<1	NE	NE
Chlorobenzene	<1	<1	<1	<1	<1	3200	56000
1,1,1,2-Tetrachloroethane	<1	<1	<1	<1	<1	NE	NE
Ethylbenzene	<1	<1	<1	<1	<1	1600	16000
Total Xylenes	<2	<2	<2	<2	<2	NE	NE
Styrene	<1	<1	<1	<1	<1	2200	50000
Bromoform	<1	<1	<1	<1	<1	NE	NE
Isopropylbenzene	2.3	1.9	11	6.8	<1	NE	NE
1,1,2,2-Tetrachloroethane	<1	<1	<1	<1	<1	NE	NE
Bromobenzene	<1	<1	<1	<1	<1	NE	NE
1,2,3-Trichloropropane	<1	<1	<1	<1	<1	NE	NE
2-Chlorotoluene	<1	<1	<1	<1	<1	NE	NE
n-Propylbenzene	<1	<1	15	8.1	<1	NE	NE
1,3,5-Trimethylbenzene	<1	<1	<1	<1	<1	NE	NE
4-Chlorotoluene	<1	<1	<1	<1	<1	NE	NE
tert-Butylbenzene	7	5	12	7.9	<1	NE	NE
1,2,4-Trimethylbenzene	<1	<1	6.5	2.9	<1	NE	NE
sec-Butylbenzene	41	26	35	28	<1	NE	NE
p-Isopropyltoluene	<1	<1	1.4	<1	<1	NE	NE
Chloromethane	<1	<1	<1	<1	<1	NE	NE
tert butyl alcohol	<1	<1	<1	<1	<1	NE	NE
1,3-Dichlorobenzene	<1	<1	<1	<1	<1	NE	NE
Tetrahydrofuran	<1	<1	<1	<1	<1	NE	NE
1,4-Dichlorobenzene	<1	<1	<1	<1	<1	NE	NE
Diethyl Ether	<1	<1	<1	<1	<1	NE	NE
n-Butylbenzene	<1	<1	12	10	<1	NE	NE
1,2-Dichlorobenzene	<1	<1	<1	<1	<1	NE	NE
1,2-Dibromo-3-chloropropane	<1	<1	<1	<1	<1	2	NE
1,2,4-Trichlorobenzene	<1	<1	<1	<1	<1	NE	NE
Hexachlorobutadiene	<1	<1	<1	<1	<1	NE	NE
Naphthalene	<1	<1	13	7.5	<1	NE	NE
1,2,3-Trichlorobenzene	<1	<1	<1	<1	<1	NE	NE
Tert-amyl Methyl Ether	<1	<1	<1	<1	<1	NE	NE
Dichlorodifluoromethane	<1	<1	<1	<1	<1	NE	NE
1,3-Dichloropropane	<1	<1	<1	<1	<1	NE	NE
Trichlorofluoromethane	<1	<1	<1	<1	<1	NE	NE
Ethyl Tert-butyl ether	<1	<1	<1	<1	<1	NE	NE
Diisopropyl Ether	<1	<1	<1	<1	<1	NE	NE
1,4-Dioxane	<250	<250	<250	<250	<250	NE	NE
Total Trihalomethanes	<1	<1	<1	<1	<1	NE	NE

Where necessary, the RIDEM objectives, in ppm, have been converted to ppb to match the laboratory reporting method.

NE: No allowable limit is established for the substance

<x: Indicates analyte concentration not detected at or above specified laboratory quantitation limit (x)

Analytical results for groundwater samples collected from B-37 and B-41 identified the presence of low concentrations of several VOCs; however, no RIDEM Method 1 standards have been established for those compounds detected. In addition, no VOCs were detected above laboratory quantitation limits in the sample obtained from monitor well MW-3.

As indicated previously, groundwater monitoring efforts were also conducted during the January 2012 LSI. Results of groundwater laboratory analysis indicated that no VOCs were identified in groundwater samples obtained with the exception of MW-1 where low levels of naphthalene and acetone were detected. It should be noted that GB Groundwater Quality Objectives for many VOCs and for PP13 metals have not been established by RIDEM.

4.6.3 Routine Gauging

Due to seasonal weather conditions and the apparent depth to groundwater at the Site, the collection of groundwater samples for laboratory analysis from all Site monitor wells has not been possible. In an effort to identify the presence of sufficient volumes of groundwater for sampling, routine groundwater gauging was conducted at the Site on an approximately monthly basis. Groundwater gauging of existing wells was performed on January 31, March 2, April 20, June 1, and June 25, 2012. SAGE gauged depth to water and evaluated the monitor wells for the presence of non-aqueous phase liquid (NAPL) using an oil water interface probe. No NAPL was detected during monitor well gauging when water was present within the wells. Sufficient volumes of groundwater necessary for sampling were not present in four of the five monitor wells during the gauging events. Monitor well MW-3 is the only well which has consistently exhibited an appreciable water column and adequate recharge for sampling purposes

4.6.4 Groundwater Elevation, Well Survey, and Flow Direction

SAGE performed an elevation survey for the purposes of calculating top of casing (TOC) elevations and locations of the newly-installed wells. Survey activities were performed using standard differential leveling methods and utilized monitor well top of PVC elevations relative to an arbitrary datum of 100 feet assigned to a benchmark located at the Site. The horizontal location of each new well was measured with a cloth tape relative to permanent Site features. The survey data was combined with the April 20, 2012 depth to groundwater gauging data to calculate equivalent head groundwater elevations. The groundwater elevation values were input into Surfer[®] to generate a grid file which was used to generate a groundwater elevation contour map. As shown in **Figure 4**, apparent overburden groundwater flow is predominantly westerly.

5.0 FINDINGS

Subsurface investigations of the 1.75-acre parcel known as Queen Anne Square were conducted in January and July 2012. Contaminants of concern for the Site were identified as a result of traditional All Appropriate Inquiries efforts as well as the Public Meeting process (R.I.G.L. Title 23, *Health and Safety*, Chapter 23-19.14, *Industrial Property Remediation and Reuse Act*, Section 23-19.14-5, *Environmental Equity and Public Participation*, and Section 7.00, Rule 7.07.A.iii of *Remediation Regulations*). A total of 54 soil borings were advanced, five of which were completed as groundwater monitor wells. 106 soil samples were obtained for laboratory analysis: TPH (10 samples), VOCs (13 samples), PAHs (22 samples), metals (48 samples), and PCBs (13 samples). With respect to soil, contaminants of concern identified above Method 1 Residential Direct Exposure Criteria include PAHs, metals (predominantly lead) more or less Site-wide, and TPH at a single location where the TPH concentration also exceeds the Method 1 GB Leachability Criteria. **Table 10** identifies locations sampled and laboratory testing performed. A summary of all soil data obtained to date is included in **Attachment 6**.

Table 10
Soil Sampling Summary
Queen Anne Square
Plat 24 Lot 346
Newport, Rhode Island

Boring ID	Terminal Boring Depth (feet)	Sample ID	Date Sampled	Maximum PID Headspace Screening Result	Total Petroleum Hydrocarbon (TPH)	Analysis Performed			
						Volatile Organic Compound (VOC)	Semi-Volatile Organic Compounds (SVOC)	Priority Pollutant 13 Metals (PP13)	Polychlorinated Biphenyls (PCBs)
B-6	15*	S1	1/16/12	ND			X	X	
B-6		S4A	1/16/12	1050	X			X (lead only)	
B-7	12*	S1	1/16/12	ND			X	X	
B-8	6*	S1	1/16/12	ND			X	X	
B-9	12*	S1	1/16/12	ND			X	X	
B-10	12*	S1	1/23/12	ND			X	X	
B-11	11.5*	S2	1/23/12	ND			X	X	
B-12	12*	S1	1/23/12	ND			X	X	
B-13	12*		1/23/12	ND			Not analyzed		
B-14	12*	S1	1/23/12	ND			X	X	
B-15	3*		1/23/12	ND			Not analyzed		
B-16	3*		1/23/12	ND			Not analyzed		
B-17	11.5*	S1	1/23/12	ND				X	
B-17		S1B	1/23/12	ND			X		
B-18	11.5*		1/23/12	ND			Not analyzed		
B-19	12*	S1	1/23/12	ND				X	
B-19		S1B	1/23/12	ND			X		
B-20	3*		1/23/12	ND			Not analyzed		
B-21	12*	S1	1/23/12	ND				X	
B-21		S1B	1/23/12	ND			X		
B-22	12*		1/23/12	ND			Not analyzed		
B-23	11*		1/23/12	ND			Not analyzed		
B-24	11*	S1	1/24/12	ND				X	
B-24		S1B	1/24/12	ND			X		
B-25	9*	S1	1/24/12	ND				X	
B-25		S2A	1/24/12	ND			X		
B-26	10*	S1	1/24/12	ND				X	
B-26		S1B	1/24/12	ND			X		
B-27	9*	S1	1/24/12	ND				X	
B-27		S1C	1/24/12	ND			X		
B-28	11.5*	S1	1/24/12	ND				X	
B-28		S1B	1/24/12	ND			X		
B-29	9.5*		1/24/12	ND			Not analyzed		
B-30	11.5*		1/24/12	ND			Not analyzed		
B-31	12*	S1	1/24/12	ND				X	
B-31		S1B	1/24/12	ND			X		
B-32	7*	S1	1/24/12	ND				X	
B-32		S1B	1/24/12	ND			X		
B-33	10*	S1	1/24/12	ND				X	
B-33		S1B	1/24/12	ND			X		
B-34	8*	S1	1/24/12	ND				X	
B-34		S1B	1/24/12	ND			X		
B-35	10*	S1	1/24/12	ND				X	
B-35		S1B	1/24/12	ND			X		
B-36	12*	S1	1/24/12	ND				X	
B-36		S1C	1/24/12	ND			X		
B-37	16*	S1	7/18/12	ND				X	
B-37		S3B	7/18/12	550	X		X		X
B-37		S4	7/18/12	274	X		X		
B-38	11*	S1	7/18/12	2				X	
B-38		S3	7/18/12	7	X		X		X
B-39	8*	S1	7/18/12	ND				X	
B-39		S1B	7/18/12	3.1	X		X		X
B-40	9*	S1	7/18/12	ND				X	
B-40		S1B	7/18/12	.6	X		X	X (total lead)	X
B-40A	4	(4')	7/27/12	ND				X (total lead)	
B-41	16.5*	S1	7/18/12	1				X	
B-41		S2A	7/18/12	983	X		X		
B-41		S3B	7/18/12	999	X		X		
B-41		S4B	7/18/12	ND			X		
B-42	11*	S1	7/18/12	ND				X	
B-42		S3	7/18/12	ND	X		X		X
B-43	2	S1	7/18/12	ND				X (total lead)	X
B-44	2	S1	7/18/12	ND				X (total lead)	X
B-45	2	S1	7/18/12	ND				X (total lead)	X
B-46	2	S1	7/18/12	ND				X (total lead)	X
B-47	2	S1	7/18/12	ND				X (total lead)	X
B-48	2	S1	7/18/12	ND				X (total lead)	X
B-49	2	S1	7/18/12	ND				X (total lead)	X
B-50	2	(0-2')	7/27/12	ND				X (total lead)	
B-51	2	(0-2')	7/27/12	ND				X (total lead)	
B-52	2	(0-2')	7/27/12	ND				X (total lead)	
B-53	2	(0-2')	7/27/12	ND				X (total lead)	
B-54	2	(0-2')	7/27/12	ND				X (total lead)	
B-55	2	(0-2')	7/27/12	ND				X (total lead)	
B-56	2	(0-2')	7/27/12	ND				X (total lead)	
B-57	2	(0-2')	7/27/12	ND				X (total lead)	
B-57	34 inches	(34')	7/27/12	ND				X (total lead)	
B-58	2	(0-2')	7/27/12	ND				X (total lead)	

* Presumed bedrock refusal

Groundwater monitoring was conducted in January and July 2012 from the five monitor wells and two borings (B-37 and B-41) using the SP sampling technique (July event only). Groundwater analysis was limited to VOCs (9 samples) and metals (2 samples). No target analytes were detected above applicable Method 1 GB Groundwater Quality Objectives, where established. A summary of all groundwater data obtained to date is also included in **Attachment 6**.

The results of Site Investigations indicate that the primary risk associated with the conditions present at the Site is direct exposure to shallow soils exhibiting concentrations of metals and PAHs above the RIDEM Method 1 Residential Direct Exposure Criteria. An additional risk is posed by a small soil area in the vicinity of boring B-21 where TPH was identified in exceedance of the RIDEM Method 1 Residential Direct Exposure Criteria and the GB Leachability Criteria. A review of soil data further indicates that in addition to the TPH impact, there are three locations where concentrations of lead in soil appear anomalously elevated and/or elevated headspace responses were detected. The above soil locations are summarized in **Table 11**. Given the threat to groundwater quality exhibited by the TPH-impacted soil and the presence of the lead UCL exceedance in Area 1 and the elevated metals and/or PID responses exhibited by soils in Areas 2, 3 and 4, limited removal efforts are proposed in each of these areas as part of the Remedial Alternatives Analysis provided below. In as much as groundwater sampling conducted at the Site did not identify concentrations of any target analyte exceeding the RIDEM Method 1 GB Groundwater Objectives, the Remedial Alternatives Analysis does not include proposed groundwater remedies.

Table 11
Proposed Limited Removal Areas
Queen Anne Square
Plat 24 Lot 346
Newport, Rhode Island

Area	Location	Rationale
1	Vicinity of boring B-21	TPH exceedance of GB Leachability Standard; UCL exceedance for lead in boring B-40 S1; and elevated PID responses in boring B-41 (max hit 999 ppm)
2	Vicinity of boring B-37	Elevated PID responses (max 550 ppm)
3	Vicinity of boring B-6	Elevated PID responses (max 1050 ppm)
4	Vicinity of boring B-49	Lead detected at concentrations of 4,050 ppm

6.0 REMEDIAL ALTERNATIVES ANALYSIS

A Remedial Alternatives Analysis (RAA) was conducted to identify potential alternatives for the remediation of impacting materials to reduce the principal threats posed by these materials. Each alternative is evaluated against the four criteria identified in Section 7.04 of RIDEM's *Rules and Regulations for the Investigation and Remediation of Hazardous Material Releases (Remediation Regulations)*. Based on these criteria, a preferred alternative is selected. Remedial alternatives considered for soil follow.

6.1 Development of Remedial Alternatives

In compliance with Section 7.04 of the *Remediation Regulations*, three potential remedial alternatives for Site soils are identified and evaluated with respect to the four evaluation criteria specified in Section 7.04:

- Compliance with Section 8 (Risk Management) of the *Remediation Regulations*;
- Technical feasibility of the alternative;
- Compliance with state or local laws or other public concerns; and
- Ability of the performing party to perform the alternative.

The three remedial alternatives evaluated are as follows:

- No Action/Natural Attenuation;
- Engineered Barrier, Environmental Land Use Restriction and Limited Soil Removal;
and
- Soil Removal, Disposal, and Backfill.

6.1.1 *Alternative 1: No Action/Natural Attenuation*

6.1.1.1 *Description of Alternative*

This alternative is comprised of no action. The Site would be left in its present state to attenuate naturally, where possible. No engineering controls, other than the ones presently on Site, would be applied. No institutional controls would be implemented.

6.1.1.2 Compliance with Section 8.0 of the Remediation Regulations

This alternative would not comply with Section 8.0 of the *Remediation Regulations* in that it would allow soil concentrations of metals, PAHs and TPH in excess of RIDEM Method 1 Residential and Industrial/Commercial Direct Exposure Criteria to remain on Site at accessible locations. In addition, it would allow soil concentrations of TPH in excess of RIDEM Method 1 GB Leachability Objective to remain in on-Site subsurface soil.

6.1.1.3 Technical Feasibility

Implementation of this alternative is technically feasible since its implementation involves no action. However, reliance on natural attenuation is inappropriate for the metals contamination, since metals concentrations will not degrade with time.

6.1.1.4 Compliance with State and Local Laws and Other Public Concerns

This alternative would not comply with state laws, specifically the *Remediation Regulations*, for reasons discussed above relating to Section 8.0 of the *Remediation Regulations*. No specific local law or public concerns are known to be violated by this alternative.

6.1.1.5 Ability to Perform

The performing party is able to perform this alternative since its implementation involves no action.

6.1.2 *Alternative 2: Grading, Engineered Barrier, Environmental Land Use Restriction and Limited Soil Removal*

6.1.2.1 Description of Alternative

This alternative involves the combination of a limited excavation of subsurface soils identified at the four locations identified in **Table 10**. These soil areas are identified on **Figure 5**.

Limited Removal Area 1:

- Removal of soils exceeding TPH GB Leachability standards in vicinity of boring B-21;
- surficial soil exhibiting an UCL exceedance for lead in boring B-40 S1;

- soil exhibiting elevated PID responses detected in boring B-41 (max hit 999 ppm);

Limited Removal Area 2:

- Removal of soils exhibiting elevated PID responses in the vicinity of boring B-37 (max hit 550 ppm);

Limited Removal Area 3:

- Removal of soils exhibiting elevated PID responses in the vicinity of boring B-6 (max hit 1050 ppm);

Limited Removal Area 4:

- Removal of soil in vicinity of boring B-49 where concentrations of lead were detected at 4050 ppm.

Limited soil removal in Area 1 will address TPH Leachability concerns and eliminate an area which has been identified as exhibiting uncharacteristically high concentrations of lead. Limited soil removal in Area 4 will also eliminate an area exhibiting high lead concentrations.

Additionally, although Areas 2 and 3 exhibited elevated PID responses, they did not yield analytical results exceeding RIDEM Method 1 Direct Exposure Criteria. PID responses therefore suggest the possible presence of unidentified impacting material which will also be addressed via limited soil removal.

The emplacement of a proposed engineered barrier will inhibit direct exposure to soils eliminating the risk presented by remaining surficial soil impacts. Implementation of an appropriate barrier over unpaved portions of the Site would include:

- Installation of an engineered barrier meeting RIDEM's two (2) foot or equivalent policy for capping contaminated sites. Cap types include: a) two feet of clean fill; b) one foot of clean fill over a Geotextile material; c) installation of concrete and asphalt at a thickness of four inches underlain by six inches of clean fill
- Development of a Soil Management Plan (SMP) defining protective measures to be taken during future excavation activities at the Site, as well as requiring characterization prior to disposal for any soils removed from the Site.
- Placement of an ELUR on the property with the following components:
- Prohibition on residential use of the property;

- Prohibition on use of groundwater for potable purposes;
- Requirements to maintain, annually inspect and, as needed, repair the engineered barrier;
- Prohibition on activities that would disturb the engineered barrier unless appropriate health and safety provisions are implemented and the cap is restored upon completion of the activity which caused disturbance; and,
- Requirement of RIDEM notification and approval for subsurface disturbances.

6.1.2.2 *Compliance with Section 8.0 of the Remediation Regulations*

This alternative will provide compliance with Section 8.0 of the *Remediation Regulations* in areas where the alternative would be applied. Compliance is met in two ways:

- By removal of impacted material exceeding GB Leachability standards eliminating leaching potential which could impact groundwater at the Site; removal of areas where elevated lead exceedances were detected, and elimination of soils exhibiting elevated PID response
- By elimination of exposure through the use of engineered barriers and institutional controls. The alternative directly addresses exceedances of Residential Direct Exposure Criteria by eliminating potential direct contact with impacting substances in soils.

6.1.2.3 *Technical Feasibility*

This alternative is technically feasible.

6.1.2.4 *Compliance with State and Local Laws and Other Public Concerns*

This alternative would comply with state laws, including the *Remediation Regulations*. No specific local law or public concerns are known to be violated by this alternative.

6.1.2.5 *Ability to Perform*

This alternative can be implemented by the Site owner during redevelopment efforts.

6.1.3 *Alternative 3: Soil Removal and Backfill*

6.1.3.1 *Description of Alternative*

This alternative consists of excavation of soil containing exceedances of Residential and Industrial/Commercial Direct Exposure Criteria and GB Leachability Criteria, appropriate off-Site disposal, and backfilling of the excavated areas with “clean” fill.

Since soil impact has been identified throughout the Site and includes subsurface soils (up to 10 feet bgl or more), removal of all soil containing concentrations of impacting materials in exceedance of RIDEM Method 1 Objectives would be impractical, if not impossible. Since residual concentrations of impacting materials would remain in exceedance of RIDEM Standards, capping and emplacement of an ELUR following the completion of the excavation activities would be necessary to limit future uses of the property.

6.1.3.2 *Compliance with Section 8.0 of the Remediation Regulations*

This alternative would comply with Section 8.0 of the *Remediation Regulations*. Compliance would be met by removal of soils.

6.1.3.3 *Technical Feasibility*

The technical feasibility of this alternative is extremely limited. While excavation and backfilling are fairly straightforward activities, the scale of the needed excavation is extreme relative to a cost/benefit analysis. The estimated volume of soil, assuming an average depth of excavation of 10 feet bgl (based on an assumed extent at the Site), could approach 28,000 cubic yards or more which would require disposal and then clean backfill. It is unlikely that all soil exceeding Method 1 Standards will be accessible via excavation. An extended period of time would likely be needed to implement this alternative, and would impact access to neighboring businesses during excavation and backfilling.

6.1.3.4 *Compliance with State and Local Laws and Other Public Concerns*

If soil exceeding Method 1 Remedial Objectives is removed and replaced by fill meeting the remedial objectives, this alternative would result in compliance with state laws, including the *Remediation Regulations*.

6.1.3.5 *Ability to Perform*

The cost to perform the excavation disposal and filling operations, would be prohibitively expensive. As well, impact to neighboring businesses during excavation and disposal would place an additional cost for implementation of this alternative.

6.2 **Selection of Preferred Alternative**

The preferred alternative for the Site is Alternative 2: Engineered Barrier, Environmental Land Use Restriction and Limited Soil Removal. This alternative is protective of exposures to impacting materials, will be compliant with the *Remediation Regulations*, and is technically feasible and implementable by the Site owner.

Upon RIDEM concurrence with the preferred alternative, *SAGE*, on behalf of its client, will develop a RAWP in accordance with Section 9.0 of the *Remediation Regulations* for submittal to RIDEM. This RAWP will provide further detail on the remedy, including design standards, technical specifications, and a schedule for implementation.

7.0 CERTIFICATION

The above Site Investigation Report (SIR) / Remedial Alternatives Analysis has been prepared on behalf of the Doris Duke Monument Foundation and reviewed by the undersigned. To the best of my knowledge and belief, the information contained herein is accurate and complete.

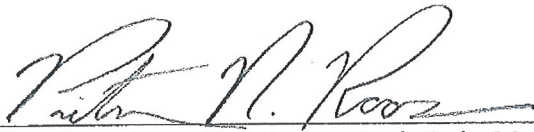


Bruce W. Clark, Principal
SAGE Environmental, Inc.

8/23/12

Date

The above Site Investigation Report (SIR) / Remedial Alternatives Analysis has been prepared at the request of the Doris Duke Monument Foundation and reviewed by the undersigned. To the best of my knowledge and belief, the SIR is a complete and accurate representation of the contaminated Site.



Pieter Roos, Executive Director, Doris Duke Monument Foundation

8/23/12

Date

8.0 LIMITATIONS

Data obtained from public agencies, site inspections, and data mapping sources were used in the characterization of this site. The accuracy of the conclusions derived from these data is based solely on the accuracy of the data reported and or supplied. Should information be made available concerning the site which is not included in this report, it should be reported to *SAGE* so that findings, conclusions, and/or recommendations can be altered and modified (if necessary).

Events occurring on the site after on site inspection are beyond the scope of this report. As such, *SAGE* makes no expressed or implied representations, warranties or guarantees regarding any changes in the condition of the premises after the date of the on-site inspection.

Any qualitative or quantitative information regarding the site, which was not available to *SAGE* at the time of this assessment, may result in modification(s) to the conclusions and/or representations made in this report.

Due to the fact that geological and soil formations are inherently random, variable, and indeterminate (heterogeneous) in nature, the professional services and opinions provided by *SAGE* under our agreement are not guaranteed to be a representation of complete site conditions, which are variable and subject to change with time or as the result of natural or man-made processes. Although our services are extensive, opinions, findings, and conclusions presented are limited to and by the data supplied, reported, and obtained. Additionally, unless specified or otherwise included herein, this assessment did not include an evaluation of business environmental risk and non-scope considerations. Such non-scope considerations include, but are not limited to, evaluation of: asbestos-containing materials, radon, lead-based paint, lead in drinking water, wetlands, regulatory compliance, industrial hygiene, health and safety, OSHA compliance, cultural and historic resources, ecological resources, endangered species, indoor air quality, electromagnetic fields, formaldehyde, high-voltage power lines, non-point sources or best management practices for silviculture. Under the terms of the agreement no attempt was made to determine the compliance or regulatory status of present or former owners or operators of the site with respect to federal, state, municipal, environmental, and land use laws or regulations.

SAGE has retained a copy of this report. No deletions or additions are permitted without the written consent of *SAGE*. This report, including the data, maps, and figures contained herein, are not suitable for use in its present form, for any ongoing or pending litigation. Use of this report in whole or in part by parties other than those authorized by *SAGE* is prohibited.

FIGURES



SAGE Environmental, Inc

Figure 1

USGS Quadrangle Site Location Map

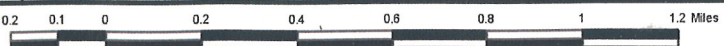
Queen Anne Square
Newport, Rhode Island

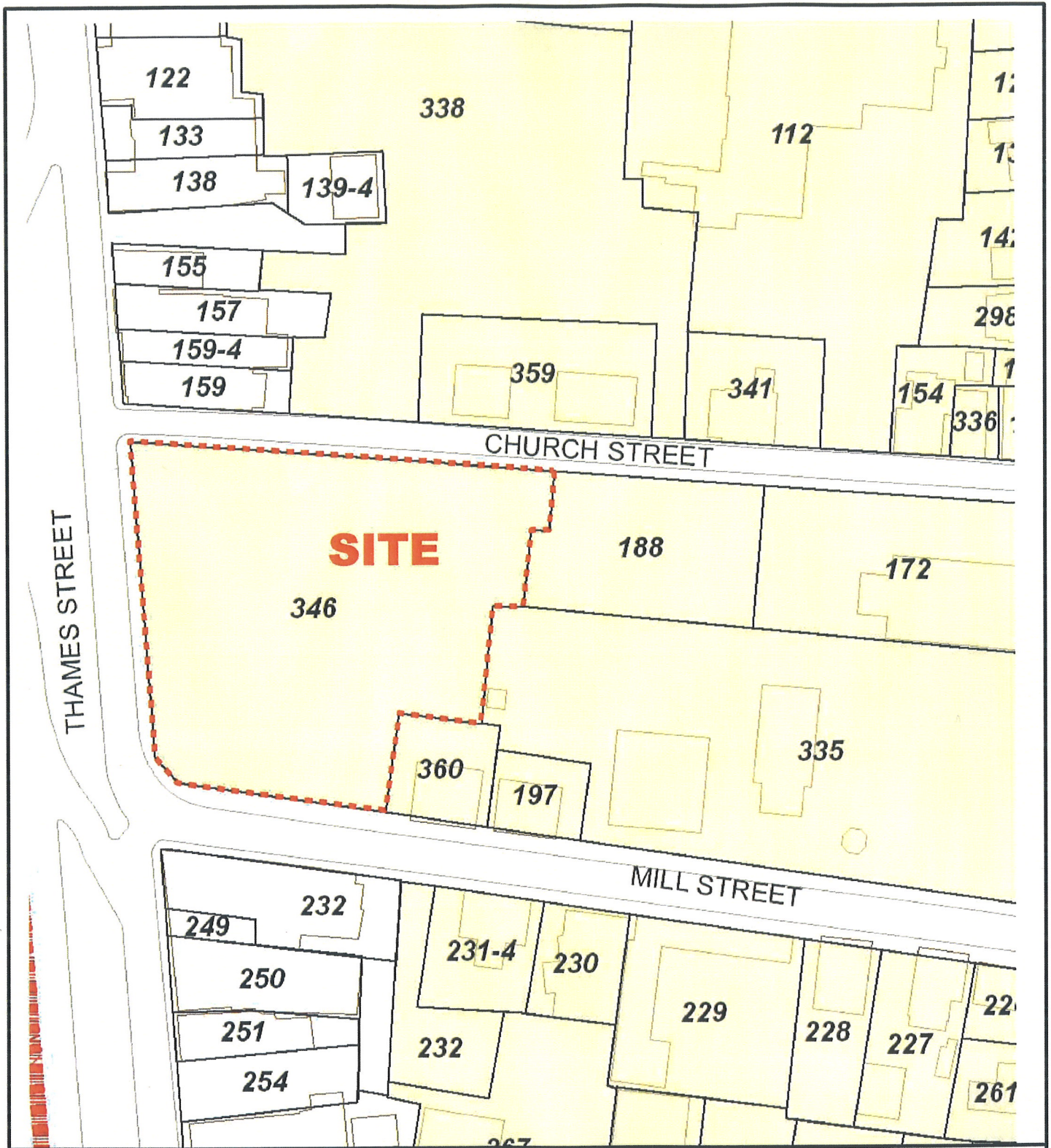


DATE: 12/22/11
CREATED BY: DAK

JOB #: S2244
DRAWING: usgs.mxd

NEWPORT, RHODE ISLAND
USGS QUADRANGLE





SAGE Environmental, Inc

Figure 2

Plat Map

Queen Anne Square
Newport, Rhode Island

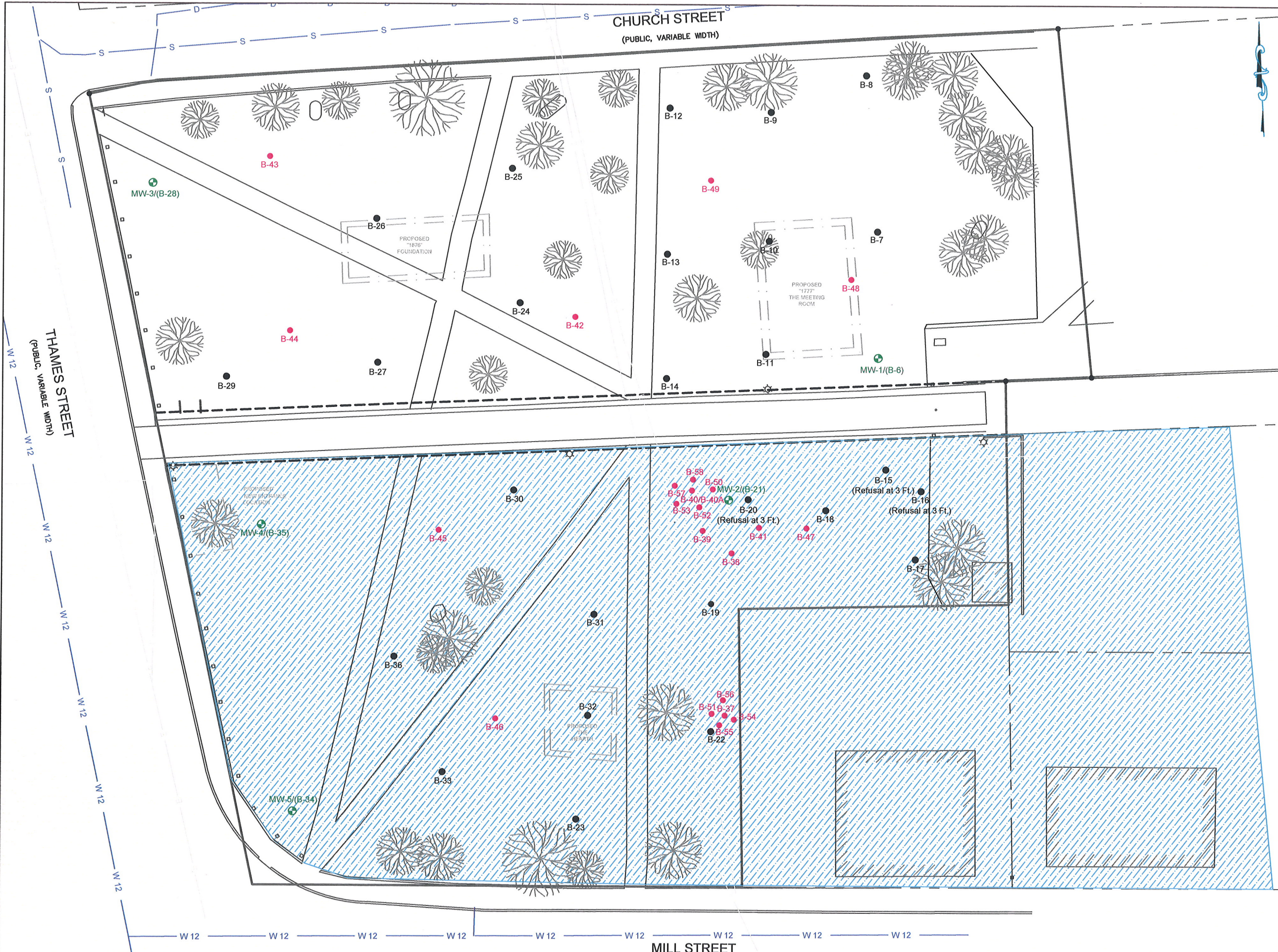


★ Site Location

DATE: 5/2/12
CREATED BY: JD

JOB #: S2244
DRAWING: platmap.mxd

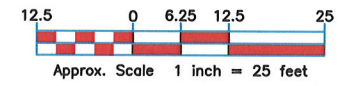
Courtesy of the City of Newport



LEGEND

- MW : MONITORING WELL
- B : SOIL BORING INSTALLED (JANUARY 2012)
- B : SOIL BORING INSTALLED (JULY 2012)
- : APPROXIMATE LIMITS OF FORMER EGAN'S LAUNDRY

Note: Baseplan provided by Northeast Engineers & Consultants, Inc. Plan depicts soil boring and monitor well locations with respect to existing conditions and proposed historic foundations.



PREPARED BY:



172 ARMISTICE BLVD
PAWTUCKET, RI 02860
401-723-9900
FAX: 401-723-9973

DRAWING DESCRIPTION:

**BORING/MONITOR WELL LOCATIONS
QUEEN ANN SQUARE
NEWPORT, RI**

PROJECT:

S2244

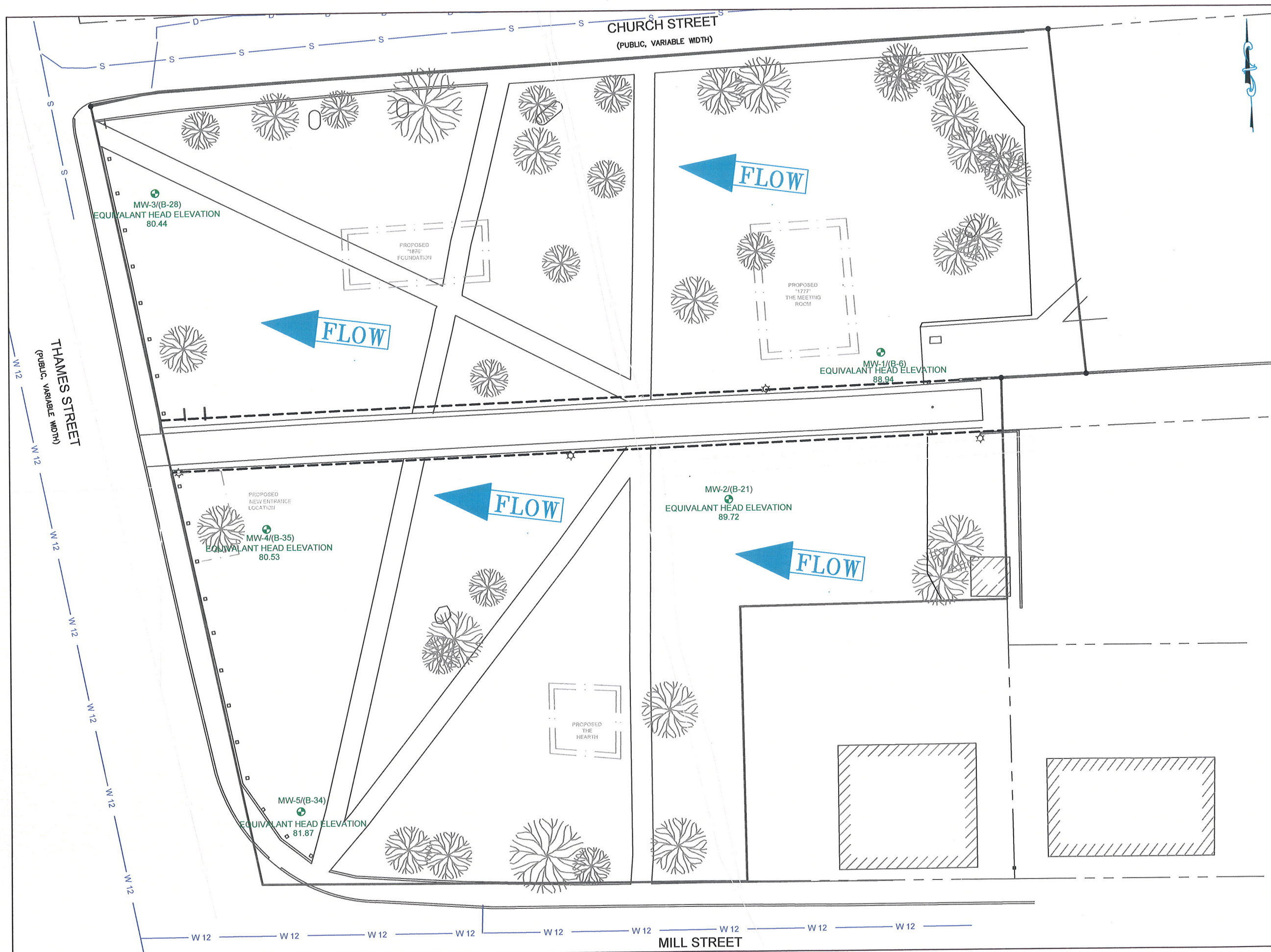
LOCATION: QUEEN ANNE SQUARE
PLAT 24 LOT 346
NEWPORT, RI

DRAWN BY: JD	CHECKED BY: BTC	APPROVED BY: BWC
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DRAWING DATE: 8/23/12	SHEET NUMBER: SHEET 1 OF 1
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PROJECT NUMBER: S2244	DRAWING NAME: PROPLIMREMAREAS
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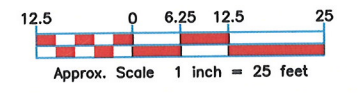
FIGURE 3



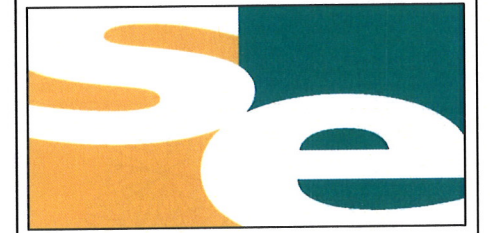
LEGEND

-  MW : MONITORING WELL
-  FLOW: GROUNDWATER FLOW

Note: Baseplan provided by Northeast Engineers & Consultants, Inc. Plan depicts soil boring and monitor well locations with respect to existing conditions and proposed historic foundations.



PREPARED BY:



172 ARMISTICE BLVD
PAWTUCKET, RI 02860
401-723-9900
FAX: 401-723-9973

DRAWING DESCRIPTION:

**GROUNDWATER FLOW MAP
QUEEN ANN SQUARE
NEWPORT, RI**

PROJECT:

S2244

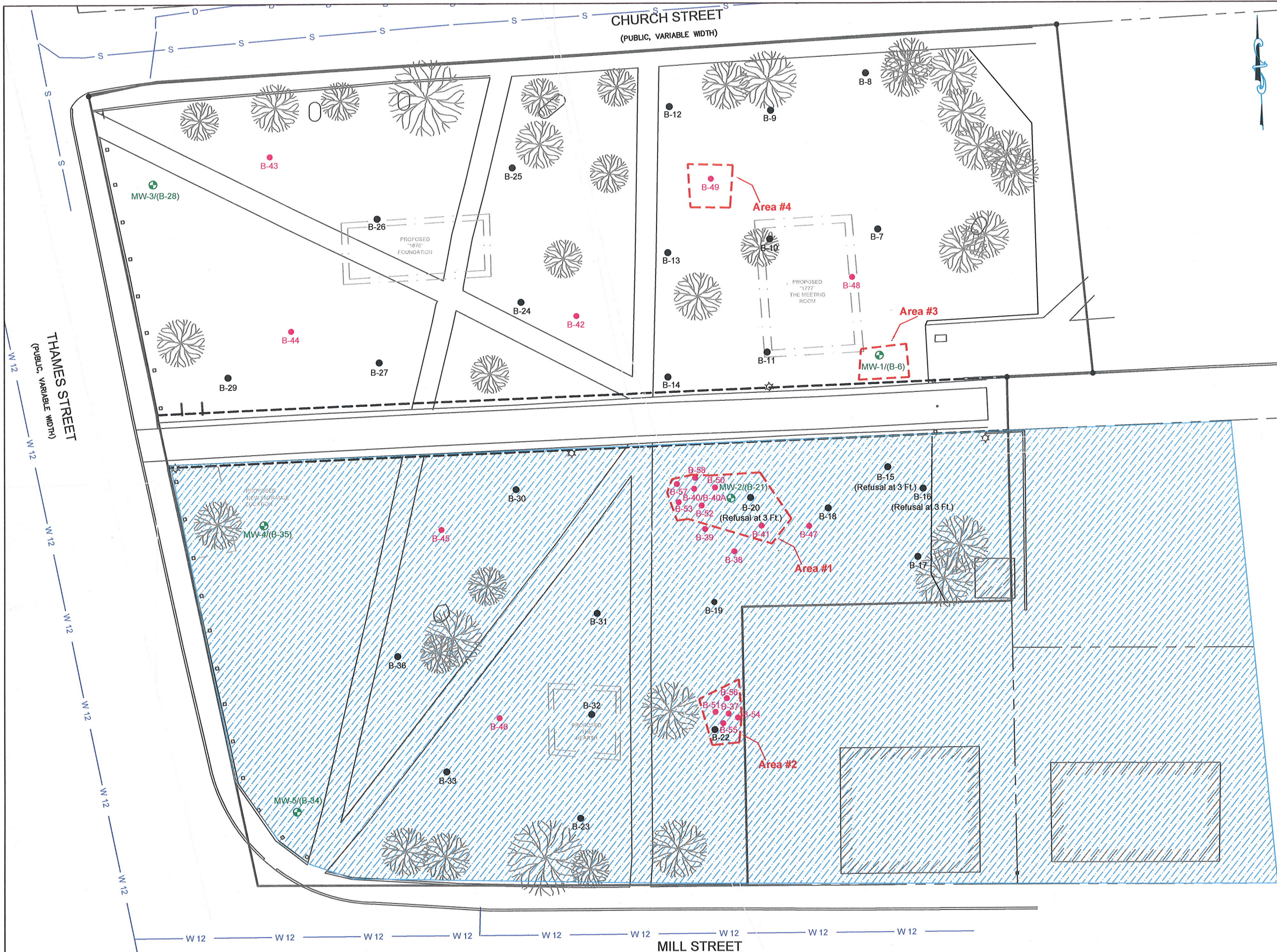
LOCATION: QUEEN ANNE SQUARE
PLAT 24 LOT 346
NEWPORT, RI

DRAWN BY: JD	CHECKED BY: BTC	APPROVED BY: BWC
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DRAWING DATE: 8/23/12	SHEET NUMBER: SHEET 1 OF 1
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PROJECT NUMBER: S2244	DRAWING NAME: PROPLIMREMAREAS
--------------------------	----------------------------------

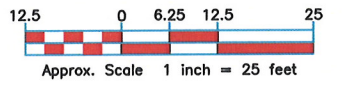
FIGURE 4



LEGEND

- MW : MONITORING WELL
- B : SOIL BORING INSTALLED (JANUARY 2012)
- B : SOIL BORING INSTALLED (JULY 2012)
- : APPROXIMATE LIMITS OF FORMER EGAN'S LAUNDRY
- : APPROXIMATE EXTENTS OF PROPOSED LIMITED REMOVAL AREAS

Note: Baseplan provided by Northeast Engineers & Consultants, Inc. Plan depicts soil boring and monitor well locations with respect to existing foundations and proposed historic conditions and proposed limited removal areas.



PREPARED BY:



172 ARMISTICE BLVD
PAWTUCKET, RI 02860
401-723-9900
FAX: 401-723-9973

DRAWING DESCRIPTION:

**PROPOSED LIMITED REMOVAL AREAS
QUEEN ANN SQUARE
NEWPORT, RI**

PROJECT:

S2244

LOCATION: QUEEN ANNE SQUARE
PLAT 24 LOT 346
NEWPORT, RI

DRAWN BY: JD	CHECKED BY: BTC	APPROVED BY: BWC
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DRAWING DATE: 8/23/12	SHEET NUMBER: SHEET 1 OF 1
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PROJECT NUMBER: S2244	DRAWING NAME: PROPLIMREMAREAS
--------------------------	----------------------------------

FIGURE 5

ATTACHMENT 1



RHODE ISLAND

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

235 Promenade Street, Providence, RI 02908-5767

TDD 401-222-4462

March 6, 2012

**LETTER OF RESPONSIBILITY
CERTIFIED MAIL**

Ms. Jane Howington
City Manager
Office of the City Manager
City Hall - 2nd Floor
43 Broadway
Newport, RI 02840

RE: Queen Anne Square
Intersection of Mill, Thames, Spring and Church Streets, Newport, Rhode Island
Case No. 2012-010

Dear Ms. Howington:

On November 9, 2011, the Rhode Island Department of Environmental Management (the Department) amended the Rules and Regulations for the Investigation and Remediation of Hazardous Material Releases, (the Remediation Regulations). The purpose of these regulations is to create an integrated program requiring reporting, investigation and remediation of contaminated sites in order to eliminate and/or control threats to human health and the environment in an efficient manner. A Letter of Responsibility (LOR) is a preliminary document used by the Department to codify and define the relationship between the Department and a Responsible Party.

Please be advised of the following facts:

1. The Department is in receipt of the following reports concerning property identified as Queen Anne Square, located at the intersection of Mill, Thames, Spring and Church Streets, Newport, Rhode Island, and further defined as Plat 24, Lot 346, in the City of Newport, Rhode Island (the Site):
 - a. Memorandum from Sage Environmental, Inc. (Sage), on behalf of the City of Newport and the Doris Duke Monument Foundation (DDMF), dated February 22, 2012, containing an unsigned *Hazardous Material Release Notification Form* and an environmental sample result information packet;
 - b. *Hazardous Material Release Notification Form* (Release Notification), signed on February 22, 2012, submitted by the City of Newport, and received by the Department on February 27, 2012;

- c. Meeting Summary, Queen Anne Square, Newport, Rhode Island, prepared by Sage, and dated February 24, 2012; and
 - d. Response to Meeting Summary, Queen Anne Square, Newport, Rhode Island, prepared by Sage, and dated March 1, 2012.
2. The **City of Newport** is identified as the current owner of the Site by the City of Newport Tax Assessor's office and as such is a **Responsible Party** as defined by Rule 3.70 of the Remediation Regulations.
 3. The Release Notification identified concentrations of lead, arsenic, total petroleum hydrocarbons (TPH), and several polycyclic aromatic hydrocarbons (PAHs) in Site soils above the Method 1 Residential Direct Exposure Criteria and the Industrial/Commercial Direct Exposure Criteria, as referenced in Table 1 of the Remediation Regulations, as well as TPH above the Method 1 GB Leachability Criteria, as referenced in Rule 8.02.A.iv of the Remediation Regulations.
 4. The identification of **Hazardous Substances** and **Petroleum** in the onsite soils constitutes a **Release of Hazardous Materials and Petroleum** to the environment as defined by Rules 3.34, 3.59, 3.63, and 3.33 respectively of the Remediation Regulations.

It is the Department's understanding that there is a contract between the City of Newport and the DDMF (c/o the Newport Restoration Foundation), under which the DDMF has agreed to operate as a Voluntary Party to complete the investigation and remediation of the Site. The Department also understands that the DDMF intends to incorporate the planned redevelopment of the square into the Site remedy.

As a result of the information known and conditions observed at the site, the Department requests that you comply with the following:

- As explained in the Department's February 29, 2012, Meeting Summary Comment Letter to the City of Newport and the Newport Restoration Foundation (NRF), the Public Involvement requirements under Rhode Island General Laws (R.I.G.L.), Title 23, *Health and Safety*, Chapter 23-19.14, *Industrial Property Remediation and Reuse Act*, Section 23-19.14-5, *Environmental Equity and Public Participation*, as well as Section 7.00, Rule 7.07.A.iii of the Remediation Regulations, are both applicable to this Site. Therefore, the City of Newport and/or the DDMF, prior to finalizing the scope of work for the investigation of the Site, must schedule and hold a Public Meeting. Public notice of the meeting must be given at least ten (10) business days prior to the meeting. The public meeting shall be conducted in a manner consistent with the requirements in Rule 7.07(C) regarding Community Meetings. The results of All Appropriate Inquiries, analysis and the public meeting, including the comment period, shall be documented in a written report submitted to the Department in both hard copy and electronic format (as specified by the Remediation Regulations) within 72 hours of the meeting.

- Within **60 days of the closure of the record for the public meeting**, the City of Newport and/or the DDMF shall complete the investigation of the Site, and prepare and submit a complete Site Investigation Report (SIR) in accordance with Section 7.0 of the Remediation Regulations. The SIR should include at least two remedial alternatives other than the no action/natural attenuation alternative.
- Submit an SIR checklist in accordance with Rule 7.08 of the Remediation Regulations along with the above-mentioned SIR. The SIR checklist has been created as a supplemental tool to expedite the reviewing and approval process by cross-referencing the specific sections and pages within the SIR that provide the detailed information that addresses each stated requirement within Section 7 of the Remediation Regulations.
- Upon Department approval of the SIR, be prepared to bring the Site into compliance with the Remediation Regulations.

Be advised that the **City of Newport**, as Site **Owner**, is responsible for the proper investigation and, if necessary, remediation of hazardous materials and/or petroleum at this site. Also be advised that any remedial alternative that proposes to leave contaminated soil on-site at levels which exceed the Department's Residential Direct Exposure Criteria will at a minimum necessitate the recording of an institutional control in the form of an Environmental Land Usage Restriction (ELUR) on the deed for the site, and will likely require implementation of additional engineered controls to restrict human exposure.

Following the closure of the record for the public meeting, in the event that additional investigation at the site is deemed necessary, the **City of Newport** and/or the **DDMF** must notify all abutting property owners, tenants and the City of Newport Planning Office that an additional investigation is about to occur prior to the implementation of any investigation field activities in accordance with the Industrial Property Remediation and Reuse Act (Rhode Island General Law 23-19.14, Section 11) and the Remediation Regulation's Rule 7.07. The notice should briefly indicate the purpose of the investigation, the work to be performed and the approximate scheduled date of activities. Failure to comply with any of the aforementioned laws and regulations may result in enforcement actions as specified in Rhode Island General Laws 23-19.1-17 and 23-19.1-18.

Please notify this office within seven days of the receipt of this letter of your plans to address these items. All correspondences should be sent to the attention of:

Joseph T. Martella II – Senior Engineer
 RIDEM / Office of Waste Management
 235 Promenade Street
 Providence, RI 02908

If you have any questions regarding this letter or would like the opportunity to meet again with Department personnel, please contact me by telephone at (401) 222-2797, extension 7109 or by e-mail at joseph.martella@dem.ri.gov.

Sincerely,



Joseph T. Martella II
Senior Engineer
Rhode Island DEM
Office of Waste Management

Authorized by,



Kelly J. Owens
Supervising Engineer
Rhode Island DEM
Office of Waste Management

Cc: Leo Hellested, P.E., Chief, RIDEM/OWM
Scott D. Wheeler, Newport Department of Public Services
Joseph J. Nicholson, Jr., Esquire, Newport City Solicitor
Pieter N. Roos, Newport Restoration Foundation
Jeff Moniz, Farrar Associates
Bruce Clark, Sage

ATTACHMENT 2



RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

235 Promenade Street, Providence, RI 02908-5767

TDD 401-222-4462

June 28, 2012

Pieter N. Roos
Executive Director
Newport Restoration Foundation
51 Touro Street
Newport, RI 02840

RE: Conditional Approval of Proposed Scope of Work for Additional Investigation
Queen Anne Square
Intersection of Mill, Thames, Spring and Church Streets, Newport, Rhode Island
Case No. 2012-010

Dear Mr. Roos:

On November 9, 2011, the Rhode Island Department of Environmental Management (the Department) amended the Rules and Regulations for the Investigation and Remediation of Hazardous Material Releases, (the Remediation Regulations). The purpose of these regulations is to create an integrated program requiring reporting, investigation and remediation of contaminated sites in order to eliminate and/or control threats to human health and the environment in an efficient manner.

In the matter of the above referenced Site, the City of Newport, in accordance with the Public Involvement requirements under Rhode Island General Laws (R.I.G.L.), Title 23, *Health and Safety*, Chapter 23-19.14, *Industrial Property Remediation and Reuse Act*, Section 23-19.14-5, *Environmental Equity and Public Participation*, as well as Section 7.00, Rule 7.07.A.iii of the Remediation Regulations, scheduled and held a Public Meeting on April 2, 2012. The purpose of the meeting was to obtain information about conditions at the Site and the environmental history at the Site that may be useful in establishing the scope of the investigation of the Site and/or establishing the objectives for the environmental clean-up of the Site. The record of the meeting remained open for a period of ten (10) business days for the receipt of public comments, and concluded at 4:00pm on April 16, 2012.

In response to the public comments submitted at the Public Meeting, as well as other written comments received by the Department's Office of Waste Management (OWM), the City of Newport, the Newport Restoration Foundation (NRF) and/or the Doris Duke Monument Foundation (DDMF), during the public comment period, the following document was prepared:

- Summary Report, April 2, 2012 Public Meeting and 10-Day Comment Period, Queen Anne Square (Assessor's Plat 24 Lot 346), Newport, Rhode Island, RIDEM Case No. 2012-10, (Summary Report), prepared by Sage Environmental, Inc. (Sage), and dated May 3, 2012.

The above referenced Summary Report documents the results of All Appropriate Inquiries, analysis, public comments, and identifies several data gaps in the environmental assessment sampling performed to date which need to be addressed. Subsequently the following document has been submitted to the OWM on behalf of the DDMF:

- Revised Proposed Scope of Work, Queen Anne Square, Newport, Rhode Island, (SOW), prepared by Sage, and dated June 25, 2012.

OWM personnel have reviewed SOW in accordance with Sections 7 and 8 of the Remediation Regulations, and concur with the SOW with the following clarifications, comments, conditions and requests:

1. All soil samples collected for laboratory analysis for volatile organic compounds (VOCs) via EPA Method 8260B shall be grab samples, not composite samples.
2. All soil sample locations, including proposed surface soil sample locations scheduled for only polychlorinated biphenyl (PCB) sampling and analysis, should be screened in the field for the presence of total photoionizable compounds using a photoionization detector (PID) and the proposed jar headspace technique. In the event that staining, odors or elevated PID readings are observed at a sample location, a grab soil sample should also be collected from that location for total petroleum hydrocarbons (TPH) and VOC analysis.
3. The proposed SOW calls for the installation, development and sampling of two (2) additional groundwater monitoring wells (PMW-6 and PMW-7). The Department requests the installation, development and sampling of one (1) additional groundwater monitoring well in the vicinity of soil boring location 22 (i.e. upgradient southeast corner of Site). The purpose of this monitoring well will be to evaluate if there is any evidence of a release to groundwater from an upgradient source migrating onto the Site, including potential historic releases from the gas station formerly located at the corner of Spring and Mill Streets. As with the other two wells, groundwater should be evaluated for the presence of separate phase product using an interface probe and a groundwater sample should be collected and laboratory analyzed for VOCs via EPA Method 8260B. Since some earlier monitoring well installations exhibited limited recharge of groundwater, every effort should be made to insure that each monitoring well is installed to an appropriate depth intercepting the groundwater surface. Field screening and soil sampling should be conducted in a manner consistent with what is proposed for PMW-6 and the Department's preceding comments.
4. Subsequent to the conclusion of the Public Comment period on April 16, 2012, the OWM received a copy of the attached map titled, Disposition Map #4, Historic Hill Project, R.I. R-23, Redevelopment Agency of Newport, RI, prepared by Robert E. Lynch, Professional Engineer, Middletown, R.I., dated August, 1977, revised June, 1979, and again revised September, 1981. This map indicates the historic existence of a well in an area designated as Parcel 7, which appears to be part of the present day Queen Anne Square project Site. The Department requests that an effort be made to locate this well while conducting the field work described in the SOW, and if located and determined to be a viable well, that groundwater be evaluated for the presence of separate phase product using an interface

probe and a groundwater sample be collected and laboratory analyzed for VOCs via EPA Method 8260B.

Please note that prior to the implementation of the Site Investigation field activities, and in accordance with the Industrial Property Remediation and Reuse Act (Rhode Island General Law 23-19.14, Section 11) and the Remediation Regulations, the DDMF or Sage on behalf of the DDMF, must notify all abutting property owners and tenants that further investigation is about to occur. The notice should briefly indicate the purpose of the investigation, the work to be performed and the approximate scheduled date of activities. Please also note that this notice does not require a public comment period.

Please notify the OWM a minimum of 48 hours prior to initiating the investigation activities at the site associated with the previously referenced SOW.

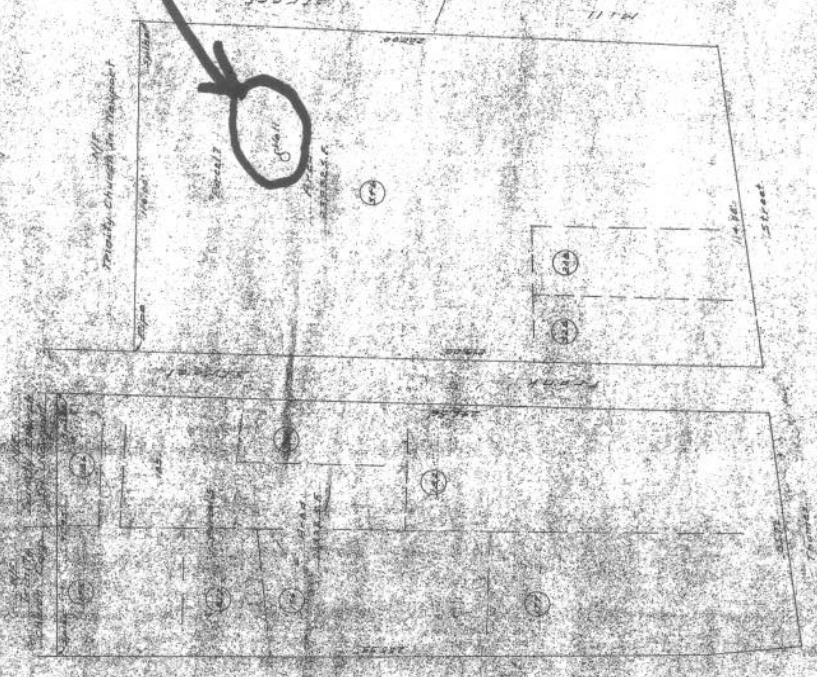
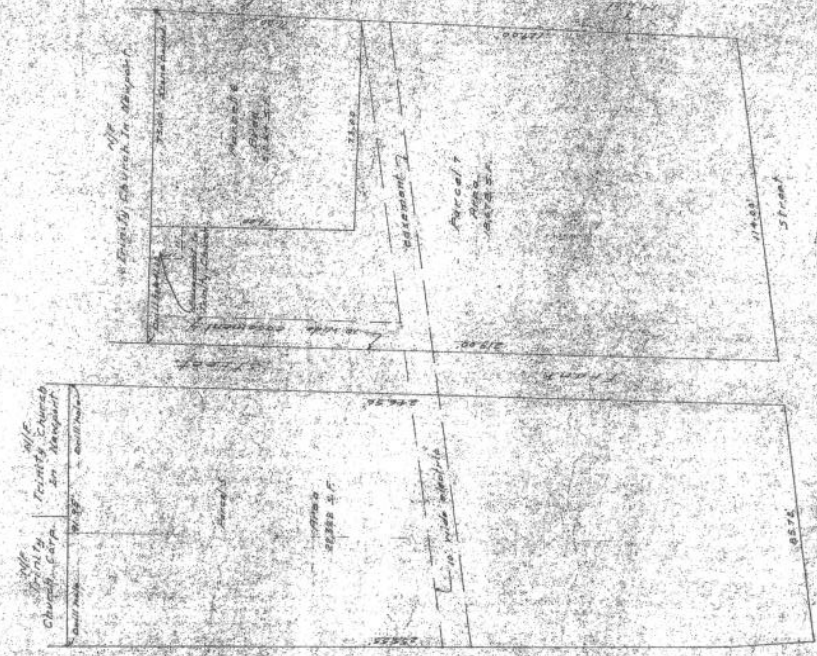
If you have any questions regarding this letter, please contact me by telephone at (401) 222-2797, extension 7109 or by e-mail at joseph.martella@dem.ri.gov.

Sincerely,



Joseph T. Martella II
Senior Engineer
Rhode Island DEM
Office of Waste Management

Cc: Terrence D. Gray, P.E., Assistant Director, RIDEM/AW&C
Leo Hellested, P.E., Chief, RIDEM/OWM
Kelly J. Owens, RIDEM/OWM
Richard M. Bianculli Jr., Esq., RIDEM/OLS
Nicole Poepping, RIDEM/Legislative Liaison
Hon. Stephen C. Waluk, Newport City Council Chairman/Mayor
Ms. Jane Howington, Newport City Manager
Scott D. Wheeler, Newport Department of Public Services
Joseph J. Nicholson, Jr., Esquire, Newport City Solicitor
Jeff Moniz, Farrar Associates
Representative Peter F. Martin, District 75
Senator M. Teresa Paiva Weed, District 13
Bruce Clark, Sage



Prepared by
 Surveyor
 and
 Registered Professional
 Engineer



Said Limited Partnership
 Scale as noted

1573

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SAGE
ENVIRONMENTAL

June 25, 2012

Mr. Joseph Martella
RI Dept. of Environmental Management
Office of Waste Management
235 Promenade Street
Providence, Rhode Island 02903

**RE: *Revised Proposed Scope of Work
Queen Anne Square
Newport, Rhode Island
SAGE Project No. S2244***

Dear Mr. Martella:

Please consider this as a proposed scope of work to complete a Site Investigation of the referenced property consistent with the requirements of Section 7.0 of the Rhode Island Department of Environmental Management's (RIDEM's) *Remediation Regulations*. The proposed scope of work was developed with consideration to the comments received during the April 2, 2012 Public Meeting, and SAGE Environmental Inc.'s (SAGE's) May 3, 2012 Response to Public Comments Report and the RIDEM's June 20, 2012 comment letter.

As you know, the Queen Anne Square (QAS) improvement project is extremely time sensitive. Many public and private entities have an interest in seeing the QAS project and its associated site work be completed no later than the end of 2012. Timely Remedial Action Work Plan (RAWP) approval will be necessary to meet this project goal. We greatly appreciate your and the Department's sensitivity and prompt attention to this and all other future submittals that require your timely review.

The scope of work detailed below proposes advancement of additional soil borings and groundwater monitor well installations and subsequent laboratory analysis of soil and groundwater samples. Potential contaminants of concern previously identified at the site include heavy metals, total petroleum hydrocarbons (TPH) and volatile organic compounds (VOCs). After completing the All Appropriate Inquiries (AAI) process and upon review of Public Meeting comments, polychlorinated biphenyls (PCBs) have been added as a potential contaminant of concern at the property. Given the results of prior investigations, existing data gaps currently identified include an evaluation of the source of elevated concentrations of TPH in the vicinity of MW-2 as well as site-wide assessment of PCBs.

172 Armistice Blvd.
Pawtucket, Rhode Island 02860
401-723-9900
FAX 401-723-9973
www.sageenvironmental.net

SCOPE OF WORK

Soil Boring Advancement

Soil borings will be advanced at the Site using Geoprobe® direct-push technology. Proposed boring locations are depicted on the attached figure; actual locations may vary depending upon field conditions encountered. A total of 12 additional soil borings is proposed. Soil borings PB-1 through PB-4 are proposed to further evaluate the source of the elevated concentrations of TPH in the vicinity of MW-2 as well as other potential contaminants of concern. Soil samples will be collected in clear PVC liners and will be screened in the field for the presence of total photoionizable compounds using a photoionization detector (PID) and the jar headspace technique. Photoionizable compounds that might typically be detected include VOCs present in petroleum hydrocarbons and many common solvents. The remaining 8 borings (PB-5 through PB-11) are proposed to evaluate shallow soil (0 to 2 feet below grade level) site-wide for potential PCB impacts. A Site Plan depicting proposed boring locations is included as **Figure 1**.

Monitor Well Installations

A groundwater monitor well (PMW-6) is proposed to be installed at the location depicted on the attached figure. The monitor well will be constructed with 10 feet of two-inch-diameter PVC well screen. Flush threaded two-inch-diameter PVC riser pipe will then be installed to the ground surface and fitted with an expandable locking plug. Upon installation of well material, the borehole will be backfilled with silica sand to a depth above the screened interval where a bentonite seal will be installed. Remaining annular space above bentonite seals will be backfilled with silica sand. A protective steel roadbox will then be nested within a concrete surface seal to secure the well.

Assuming indications of water are present in one or more of proposed soil borings PB-1, PB-2, PB-3 or PB-4, an additional groundwater monitor well (PMW-7) will be installed in the boring that exhibits the highest PID headspace response and/or other evidence of contamination. The monitor well will be constructed as indicated above. Proposed monitor well locations are shown in **Figure 1**.

Laboratory Analysis of Soil Samples

PB-1 through PB-4 and PMW-6

One soil sample will be collected from each boring and transported utilizing chain-of-custody protocol to a State-certified laboratory for analysis of VOCs via EPA Method 8260B, TPH via EPA Method 8100M, and the 13 Priority Pollutant Metals (PP13) via EPA Method 6010B and PCBs (0 to 2 feet below grade level) via EPA Method 8082. Soil samples will be selected from the boring interval with the highest PID headspace response and/or other evidence of impact (i.e., staining, odors), excepting the 0 to 2 foot PCB samples which will be obtained from each boring. In the absence of positive PID

headspace responses or other evidence of obvious impact, samples will be collected from the apparent water table interface. Should petroleum impact or other evidence of contamination be identified in PB-1 through PB-4 at the apparent water table, then a second PCB sample will be obtained at the apparent water table interface.

PB-5 through PB-11

One soil sample will be collected from each boring from the 0 to 2 foot soil horizon and transported utilizing chain-of-custody protocol to a State-certified laboratory for analysis of PCBs via EPA Method 8082.

A table summarizing proposed laboratory analysis of soil samples is provided below.

Boring ID	Depth (ft)	Analytical Method			
		Metals	TPH	VOCs	PCBs
PB-1	0-2 (and possibly a deeper interval - see note below)	X	X	X	X (X)
PB-2	0-2 (and possibly a deeper interval - see note below)	X	X	X	X (X)
PB-3	0-2 (and possibly a deeper interval - see note below)	X	X	X	X (X)
PB-4	0-2 (and possibly a deeper interval - see note below)	X	X	X	X (X)
PMW-6	0-2 (and possibly a deeper interval - see note below)	X	X	X	X (X)
PB-5	0-2				X
PB-6	0-2				X
PB-7	0-2				X
PB-8	0-2				X
PB-9	0-2				X
PB-10	0-2				X
PB-11	0-2				X

Note: Soil samples will be collected from the boring interval with the highest PID headspace response and/or other evidence of impact (i.e., staining, odors). In the absence of positive PID headspace responses or other evidence of obvious impact, samples will be collected from the apparent water table interface.

Groundwater Gauging and Sampling

SAGE will measure the depth to groundwater in all Site monitor wells and evaluate the presence/absence of separate-phase petroleum (SPP) using an interface probe. One groundwater sample will be collected from each (both existing and newly installed) groundwater monitor well using dedicated, disposable bailers. Monitor wells will be purged of a minimum of three volumes of water prior to sample collection. Samples will be transported to a State-certified laboratory for analysis utilizing chain-of-custody protocol for analysis of VOCs via EPA Method 8260B.

Elevation Survey

SAGE will perform an elevation survey for the purposes of calculating top of casing (TOC) elevations and locations of the newly-installed wells. Survey activities will be performed using standard differential leveling methods and utilized TOC elevations from existing monitoring wells as the vertical baseline value for the survey. The horizontal location of each new well will be measured with a cloth tape relative to permanent site features. Using this information and gauging data obtained prior to sampling of groundwater monitor wells, a potentiometric surface contour map will be developed to determine the apparent groundwater flow direction.

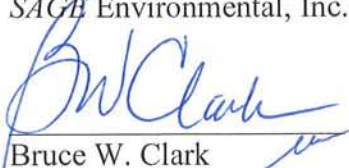
Data Evaluation/Recommendations


The data obtained from the above investigation will supplement existing data and all available site data will be summarized in a Site Investigation Report (SIR). The SIR will include a summary of all data obtained to date as well as the work elements outlined in Section 7.03 of the *Remediation Regulations*. The SIR will also include a Remedial Alternatives Analysis proposing a minimum of two remedial alternatives other than the no action/natural attenuation alternative. The SIR will be submitted in both hard copy and electronic format and be accompanied by a SIR checklist.

Thank you in advance for your prompt review and approval/comment of the above and the Department's continued assistance.

Should you have any questions or require any additional information, please do not hesitate to contact either of the undersigned.

Sincerely,
SAGE Environmental, Inc.


Bruce W. Clark
Principal


Rick Mandile
Principal

BWC/RM:car

Attachments

c: Kelly Owens, RIDEM
Pieter Roos, Newport Restoration Foundation
Jane Howington, Newport City Manager
William Riccio, Director, Newport Department of Public Services
Scott Wheeler, Newport Department of Public Services
Jim Farrar, Farrar Associates

QUEEN ANNE SQUARE
NEWPORT, RI

CLIENT:
NEWPORT RESTORATION FOUNDATION
55 TOWN ST.
NEWPORT, RI 02840
Phone: 401-840-3300
Fax: 401-726-1478

DESIGNER:
EDMONDSON & CO
912 SPRINGFIELD PLAZA, 8TH FLOOR
EASTHAMPTON, NY 11937
Tel: 631-567-1000
Fax: 631-567-9000
edmondson.com

PROJECT DESIGNER:
MAYA LIN STUDIO
112 PINE STREET, 4TH FLOOR
NEW YORK, NY 10013
Phone: 212-681-6663
Fax: 212-681-6664

CONTRACT NO.:

GENERAL NOTES:
- INFORMATION SHOWN BASED ON SURVEY BY NORTHEAST ENGINEERS, LAST DATED FEBRUARY 10, 2012.
- EXISTING AND PROPOSED FEATURES ARE SHOWN FOR SCHEMATIC PURPOSES ONLY. ALL ITEMS WILL NEED ON-SITE FIELD VERIFICATION.
- SOIL AND TEST HOLE DATA HAVE NOT BEEN OBTAINED. ALL PERTINENT DATA WILL BE REPEATED ONCE COMPLETED AT A FUTURE DATE.

REVISIONS:

NO.	DESCRIPTION

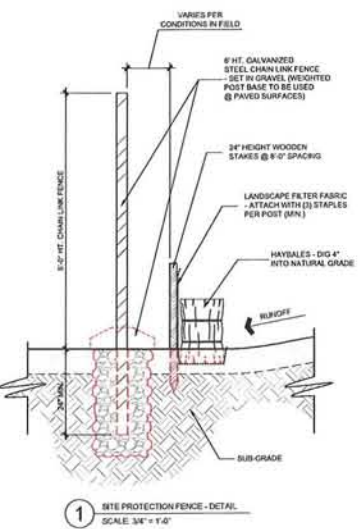
SITE KEY

- PROPERTY LINE
- - - EXISTING CONTOUR
- - - PROPOSED CONTOUR
- - - PROPOSED SWALE
- - - EXISTING FENCE
- - - EXISTING TELE LINE
- - - EXISTING GAS LINE
- - - EXISTING ELECTRIC LINE
- - - EXISTING SEWER LINE
- - - EXISTING DRAIN LINE
- - - EXISTING WATER LINE
- - - PROPOSED CHARLIE LINK PROTECTION FENCE
- - - PROPOSED SILT FENCE W/ HARBALS
- - - EXISTING SPOT ELEVATION
- - - PROPOSED SPOT ELEVATION
- EXISTING HOLE/ WELL
- EXISTING GAS LIGHT
- EXISTING CATCH BASIN
- PROPOSED DRAIN INLET
- EXISTING SIGN
- EXISTING TREES
- EXISTING TREES TO BE REMOVED
- EXISTING TREES TO TRANSPLANT
- PROPOSED TREES (25) TO BE FIELD LOCATED BY EDMONDSON & CO.
- - - EXISTING CURB TO BE REMOVED
- - - EXISTING WALKWAY TO BE REMOVED
- - - EXISTING WALKWAY TO BE RESET
- - - PROPOSED WALKWAY

Legend:
 = Approximate Limits of Egan's Laundry
 = Boring Locations
MW-X = Monitor Well-X
PMW-X = Proposed Monitor Well-X
 = Proposed Boring Location

CUT & FILL CALCULATIONS

AREA	DESCRIPTION	CUT (CUYDS)	FILL (CUYDS)
AREA A - 1878 FOUNDATION			
CUT	-44 CUYDS @ 1878 FOUNDATION EXCAVATION	-44	
FILL	-15 CUYDS @ GRADING AROUND 1878 FOUNDATION		15
AREA B - 1778 MEETING ROOM			
CUT	-43 CUYDS @ 1778 FOUNDATION EXCAVATION	-43	
FILL	-38 CUYDS @ GRADING AROUND 1778 FOUNDATION		38
FILL	-NONE		0
AREA C - THE NEW ENTRY & THE HEARTH			
CUT	-20 CUYDS @ THE NEW ENTRY	-20	
FILL	-31 CUYDS @ THE HEARTH FOUNDATION EXCAVATION		31
FILL	-3 CUYDS @ THE NEW ENTRY		3
FILL	-15 CUYDS @ THE HEARTH FOUNDATION EXCAVATION		15
TOTALS			
OVERALL CUT		-118	
OVERALL FILL			89
BALANCE			-143 CUYDS TO BE REMOVED FROM SITE



SCALE: 1/8" = 1'-0"



PROGRESS PRINT
PRELIMINARY
NOT FOR CONSTRUCTION
DATA SHOWN FOR
DESIGN DEVELOPMENT ONLY.

SITE PROTECTION PLAN
Date: FEBRUARY 11, 2012
Drawing Number: 13
Scale: 1/8" = 1'-0"

FIGURE 2

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SAGE
ENVIRONMENTAL

May 3, 2012

Mr. Joseph Martella
Rhode Island Department of Environmental Management
235 Promenade Street
Providence, Rhode Island 02908

RE: Summary Report
April 2, 2012 Public Meeting and 10-Day Comment Period
Queen Anne Square (Assessor's Plat 24 Lot 346)
Newport, Rhode Island
RIDEM Case No. 2012-010

Dear Mr. Martella:

In accordance with the Public Involvement requirements under Rhode Island General Laws (R.I.G.L.), Title 23, Health and Safety, Chapter 23-19.14, Industrial Property Remediation and Reuse Act, Section 23-19.14-5, Environmental Equity and Public Participation, as well as Section 7.00, Rule 7.07.A.iii of the Rhode Island Department of Environmental Management's (RIDEM's or the Department's) Remediation Regulations, the City of Newport scheduled and held a Public Meeting on April 2, 2012. The purpose of the meeting was to obtain information about conditions at the Site and the environmental history at the Site that may be useful in establishing the final scope of the environmental investigation of the Site and/or establishing the objectives for the environmental clean-up of the Site. A copy of the stenographer's transcript of the Public Meeting is included as **Attachment 1**. The record of the meeting remained open for a period of ten (10) business days for the receipt of public comments, and concluded at 4:00 pm on April 16, 2012.

During the public comment period, the Department's Office of Waste Management (OWM) received several documents including public comments regarding environmental conditions at the Site and the environmental history at the Site, submitted in accordance with Rule 7.07 of the Remediation Regulations. The OWM transmitted these comments to SAGE in a correspondence dated April 18, 2012. A copy of the April 18, 2012 correspondence, including copies of written comments received by RIDEM, with names and addresses removed, is provided as **Attachment 2**. Also included in **Attachment 2** is the City of Newport's April 5, 2012 transmittal of written comments transmitting comment made by two meeting attendees that had been forwarded directly to the City.

Many of the comments received were actually questions, several of which were directed to RIDEM. RIDEM acknowledges in its April 18, 2012 letter that "several of the comments may be directed specifically to the Department and those will be addressed in a separate letter by the Department, upon Department approval of all final responses to all other relevant public comments."

Comments received by RIDEM relative to environmental concerns generally fit into one or more of the following categories:

172 Armistice Blvd.
Pawtucket, Rhode Island 02860
401-723-9900
FAX 401-723-9973

- Item 1 Why wasn't all of Queen Anne Square investigated and shouldn't it be? (i.e., What are the boundary limits of the Site and Site Investigation?)
- Item 2 What about potential off-Site concerns? Are they being addressed?
- Item 3 What are the contaminants of concern to be assessed at the Site and how were they determined?

In addition, an aerial photograph depicting the Queen Anne Square area was provided as was limited information regarding disposal practices at the time of closure of the former Egan Laundry and Cleaners as described in more detail below.

The format of the meeting was such that the results of *SAGE*'s AAI analysis conducted prior to the meeting were not directly available to attendees. A copy of *SAGE*'s January 2012 Draft Phase I Environmental Site Assessment (ESA) documenting AAI analysis performed is provided as **Attachment 3**.

The following is provided in response to the many comments received. As indicated above, most comments fit into one or more general categories. Those categories are restated below followed by *SAGE*'s response as well as supplemental information if appropriate.

1. Why wasn't all of Queen Anne Square investigated?

Apparently there is some misunderstanding as to what constitutes the City-owned property where the Doris Duke Monument Foundation's (DDMF's) redesign plan is to be implemented (the Site) and what many City residents consider to be Queen Anne Square. Based on meeting comment, it appears that many City residents consider the entire area bounded to the north by Church Street, to the east by Spring Street, to the south by Mill Street and to the west by Thames Street as Queen Anne Square. Based on the comment received, it appears some residents would expand the area to include some of the abutting areas, in particular to the east across Spring Street.

The City-owned area, where the DDMF's redesign effort is proposed, is a portion of the above-described area identified as Lot 346 (a.k.a. Queen Anne Square) on the Newport Assessor's Plat 24. A copy of the plat map depicting Lot 346 and surrounding properties is included as **Figure 1**. Adding somewhat to the confusion as to the Site boundary is the fact that the original DDMF redesign plan included proposed improvements to some of Lot 188 (refer to **Figure 1**) adjacent to the northeast portion of Lot 346. Information obtained from the Assessor's Office indicates Lot 188 is owned by Trinity Church. According to Mr. Pieter Roos, Executive Director of the Newport Restoration Foundation and Executive Director of the DDMF, although the DDMF initially considered including a portion of Lot 188 in its redesign plan, ultimately DDMF decided to limit the proposed improvements to the City-owned property (i.e., Lot 346 a.k.a. Queen Anne Square). As such, for the purposes of this report and prior communications with the Department, Queen Anne Square does not extend beyond the boundaries of the City-owned property identified as Lot 346 and is the Site subject to the Site Investigation.

During *SAGE*'s AAI analysis, several recognized environmental conditions (RECs) were identified. An excerpted portion of Section 5 **Summary of Findings** of *SAGE*'s January 2012 Draft Phase I

ESA report is included below summarizing RECs identified by *SAGE*. A complete copy of the draft report is included as **Attachment 3**.

- Former dry cleaning facilities (City Steam Laundry, Mill Street Laundry, and Egan's Laundry and Cleaners) formerly occupied a portion of the southern half of the Site;
- The easterly abutting property to the Site, Trinity Church, is a documented leaking underground storage tank (LUST) site according to RIDEM. A tank closure inspection report prepared by Daniel Russell of RIDEM in 1993 noted approximately one yard of oil-impacted shale and soil which was drummed and slated for off-Site disposal. Mr. Russell noted that groundwater was not encountered during tank removal activities. As such, no groundwater sampling or analysis was conducted at the time, and therefore, the potential, albeit remote, exists for objectionable impact to the subject Site from this LUST property;
- Several additional off-site properties of potential environmental concern were identified and include a portion of Egan's Laundry and Cleaners formerly located east of the Site and a former service station located southeast of the Site at the corner of Spring and Mill Streets.

The above RECS are consistent with those indicated by various meeting attendees excepting the location of a former off-Site property on Mill Street utilized as an automobile dealership reportedly known as Silvia's Auto Sales (refer to **Attachment 1** – Stenographer's Transcript page 16 line 10) not identified previously by *SAGE*.

2. *What about potential off-Site concerns? Are they being addressed?*

As indicated above and in *SAGE*'s January 2012 Draft Phase I ESA, several potential off-Site concerns were identified. All were located east of the Site. Locations for the installation of soil boring and monitor wells considered the potential for releases of oil and/or hazardous materials from these off-Site properties of concern. Referring to the Soil Boring/Monitor Well Locations Plan provided as **Figure 2**, soil borings MW-1 (B-6), B-7, B-8, B-15, B-16, B-17, B-18, B-19 and B-22 were installed to evaluate Site subsurface conditions along the eastern boundary in an effort to identify potential impacts from easterly abutting properties. Groundwater was not encountered in any of the borings. An elevated headspace response obtained with a photoionization detector (PID) was detected in boring B-6, and the soil sample exhibited a petroleum-like odor. A monitor well was installed at this location even though water was not present given the boring's location proximate to the former LUST site and field screening results. Information obtained from Limited Subsurface Investigation of the Site has been previously summarized to the Department and is part of the Site information made available to interested parties on RIDEM's website and is not discussed in detail herein.

Information relative to soil conditions encountered in boring B-6 is included herein as it is consistent with anecdotal information provided by meeting attendees regarding the possible presence of petroleum in soil on Trinity Church property. Although a petroleum-like odor was present in the sample and an elevated headspace response was detected, laboratory analysis did not indicate an

objectionable impact to soil or groundwater resulted from the adjacent property. Future groundwater sampling will be conducted in an effort to confirm this finding.

As the Department is aware, typically groundwater data obtained from monitor wells is used to evaluate whether or not subsurface impacts identified may be attributable to off-Site properties. Groundwater data collected to date, although limited, has not identified potential impacts from off-Site properties hydraulically upgradient of the Site. Additional subsurface investigation to be conducted will include the installation of additional soil borings and monitor wells as well as one or more rounds of groundwater monitoring.

Monitor well samples obtained from downgradient monitor wells MW-3, MW-4 and MW-5 were analyzed for volatile organic compounds (VOCs - MW-3, MW-4 and MW-5) and the 13 Priority Pollutant Metals (PP13 - MW-3 and MW-4). Results of laboratory analysis did not identify any exceedances of RIDEM Method 1 Groundwater Quality objectives. Moreover, VOC results were non-detect excepting the detection of naphthalene at a concentration of 1.9 parts per billion (ppb) in monitor well MW-1 (B-6) installed proximate to the easterly abutting LUST site.

Given data obtained to date, objectionable impacts from off-Site properties have not been identified nor is there any evidence that oil and/or hazardous material from the subject Site is emanating off-Site.

3. *What are the contaminants of concern to be assessed at the Site and how were they determined?*

The Site is located in an urban Area with a long history of human activity. Typical anthropogenic contaminant sources likely include heavy metals from pesticides, herbicides, and protective coatings as well as polynuclear aromatic hydrocarbon (PAH) compounds related to incomplete combustion of fossil fuels and/or incidental releases of petroleum. Given the former upgradient service station and known LUST site as well as the Site and adjacent property use as a dry cleaner, VOCs are also contaminants of concern. Preliminary subsurface investigation targeted PP13 metals, PAHs, total petroleum hydrocarbons (TPH) and VOCs.

As suggested by some at the meeting, the possible presence of polychlorinated biphenyls (PCBs) is also likely. Various mastics, glazing compounds, and other building materials

utilized historically may contain PCBs. In addition, electrical capacitors and other small electrical components including fluorescent light ballasts may also contain PCBs. Given the Site history and demolition of former Site buildings that occurred prior to the development of Queen Anne Square, low concentrations of PCB may be present at the Site.

As indicated previously, the southern portion of the Site and the property abutting the southern portion of the Site were utilized as a former laundry and dry cleaner. Given the size of the operation, there also exists a potential for a more significant source of PCBs contained in thermal oils formerly utilized in electrical transformers and switch gear and to a lesser extent in some hydraulic oils. These types of PCB sources, if formerly present at the property, could have resulted in more significant releases. It was hoped that meeting comments might yield locations of potential environmental concern, in particular on the former laundry and dry cleaning site. Underground storage tanks (USTs) may have been utilized to store petroleum to fuel former steam boilers; AST and/or USTs

may have stored dry cleaning solvents including petroleum naphtha, stoddard solvent, and/or chlorinated hydrocarbons and electrical power needs may have necessitated on-Site electrical transformers or switch gear where high concentrations of PCBs may have been dissolved in significant volumes of petroleum and utilized as thermal oils.

Unfortunately, little information providing former locations for these potential contaminant sources was obtained during the meeting.

Testimony from Mr. John McNulty, however, was significant in this regard (refer to **Attachment 1** pages 13 through 16). Mr. McNulty indicated that during decommissioning of laundry and dry cleaning operations in 1977, he observed several above ground tanks in the basement of the portion of the laundry at the corner of Mill and Thames Streets. Several 55-gallon drums were also reportedly observed in the basement area. According to Mr. McNulty, the contents of the various tanks and drums, excepting the fuel oil tank, were discharged to either the sanitary sewer or the storm sewer.

Soil and groundwater data obtained from the southwestern portion of the Site did not identify evidence of petroleum, dry cleaning solvent or other volatile compounds to be present in soil and groundwater beneath this portion of the property, perhaps in part a result of the former illicit disposal practices observed by Mr. McNulty.

All above potential contaminants of concern were targeted during the preliminary subsurface investigation conducted at the property excepting PCBs, which merits some explanation.

The identification of low levels of PCBs in soil, although possibly likely at the Site, was not targeted in the initial subsurface assessment primarily due to the fact that the presence of significant concentrations of heavy metals, in particular lead and PAHs, was likely. Most often these compounds, like PCBs, don't give rise to groundwater concerns in groundwater classified as GB, and in most cases, RIDEM has not established GB Groundwater Quality Objectives for these elements and/or compounds as a result. The exposure risk is typically human ingestion and dermal contact. The most effective remedy in these circumstances is installation of a soil cap or a combined soil/pavement cap to minimize the potential for

human exposure and the use of an institution control in the form of an Environmental land Use Restriction (ELUR) to insure the integrity of the cap is maintained. This remedy would be equally effective for low-level PCB impacts to soil and as a cost saving measure, PCBs were not targeted during initial subsurface investigation. Higher concentrations of PCBs, however, could be expected to be more localized and given that higher concentrations give rise to greater risk, it would be preferable in most cases to remove soil impacted by higher concentrations of PCBs by a limited excavation and subsequent off-Site disposal of localized areas if higher concentrations of PCBs were to be identified.

Unfortunately, it is more difficult to locate these potentially suspect high PCB concentration areas without more direct knowledge of locations of former PCB sources like older electrical transformers. Given the very limited water solubility of PCBs, they are not typically identified in groundwater unlike many VOCs and petroleum constituents. As a result, assessment is somewhat random. As indicated above, had the meeting yielded information specific to likely former transformer or switch

gear locations, PCB assessment can be more confidently targeted and yield in a higher level of confidence in the result.

Often times, as indicated previously, higher concentrations of PCBs were typically dissolved in petroleum, and it is reasonable to conclude that if PCBs are suspected as high concentrations, then they may be present in locations where significant concentrations of petroleum are identified.

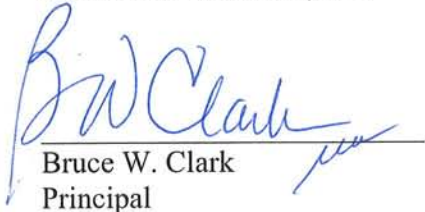
The revised scope of work for the next phase of subsurface investigation will include acquisition of several soil samples selected at random in each quadrant of the Site as well as a more targeted assessment in the vicinity of MW-2 (B-21) where high concentrations of petroleum were identified.

In addition to comments relative to environmental conditions at the Site, meeting comments included several questions pertaining to non-environmental concerns.

In an effort to provide a thorough response, **Attachment 4** has been included providing a complete inventory of comments received. Comments have been labeled so they can be referenced by number and keyed to portions of the various documents also included in the attachment. **Attachment 4** also includes a table summarizing all comments received and a reference to the specific portion of this report where comment was answered. Many of the questions were addressed directly to RIDEM, and in some cases, a response by *SAGE* was deemed inappropriate. Where possible, *SAGE* made efforts to respond to comments even if only a partial response could be provided.

We are hopeful the Department finds the above responsive to the report requirements of Rule 7.07 of the Remediation Regulations as well as that requested in the second paragraph of page 2 of the Department's April 18, 2012 communication.

Sincerely,
SAGE Environmental, Inc.

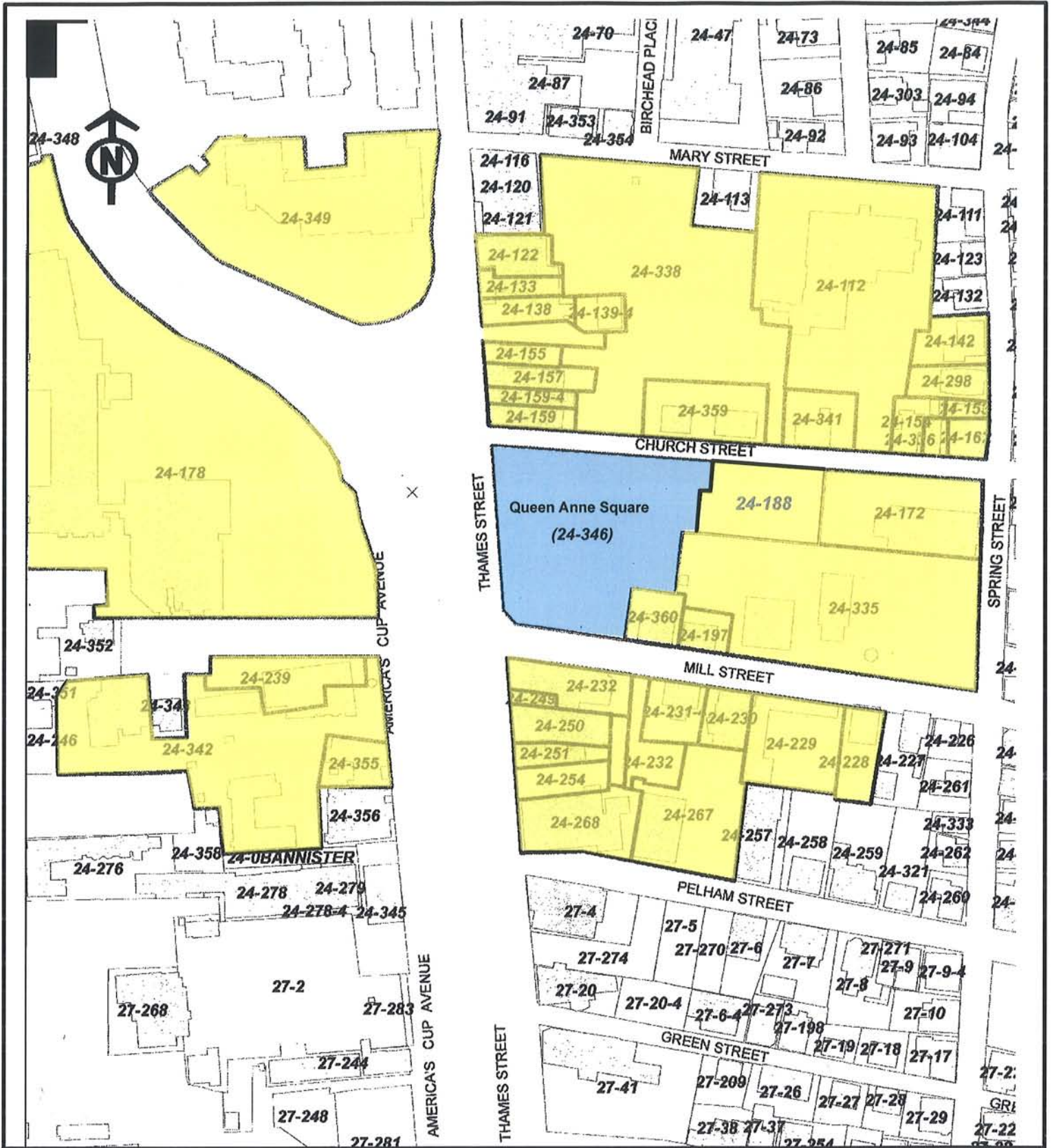


Bruce W. Clark
Principal

Attachments

- c: Terrence D. Gray, P.E., Assistant Director, RIDEM/AW&C
- Leo Hellested, P.E., Chief, RIDEM/OWM
- Kelly J. Owens, RIDEM/OWM
- Nicole Poepping, RIDEM/Legislative Liaison
- Scott D. Wheeler, Newport Department of Public Services
- William Riccio, Director, Newport Department of Public Services
- Joseph J. Nicholson, Jr., Esquire, Newport City Solicitor
- Jeff Moniz, Farrar Associates
- Representative Peter F. Martin, District 75
- Senator M. Teresa Paiva Weed, District 13

FIGURES



SAGEEnvironmental, Inc

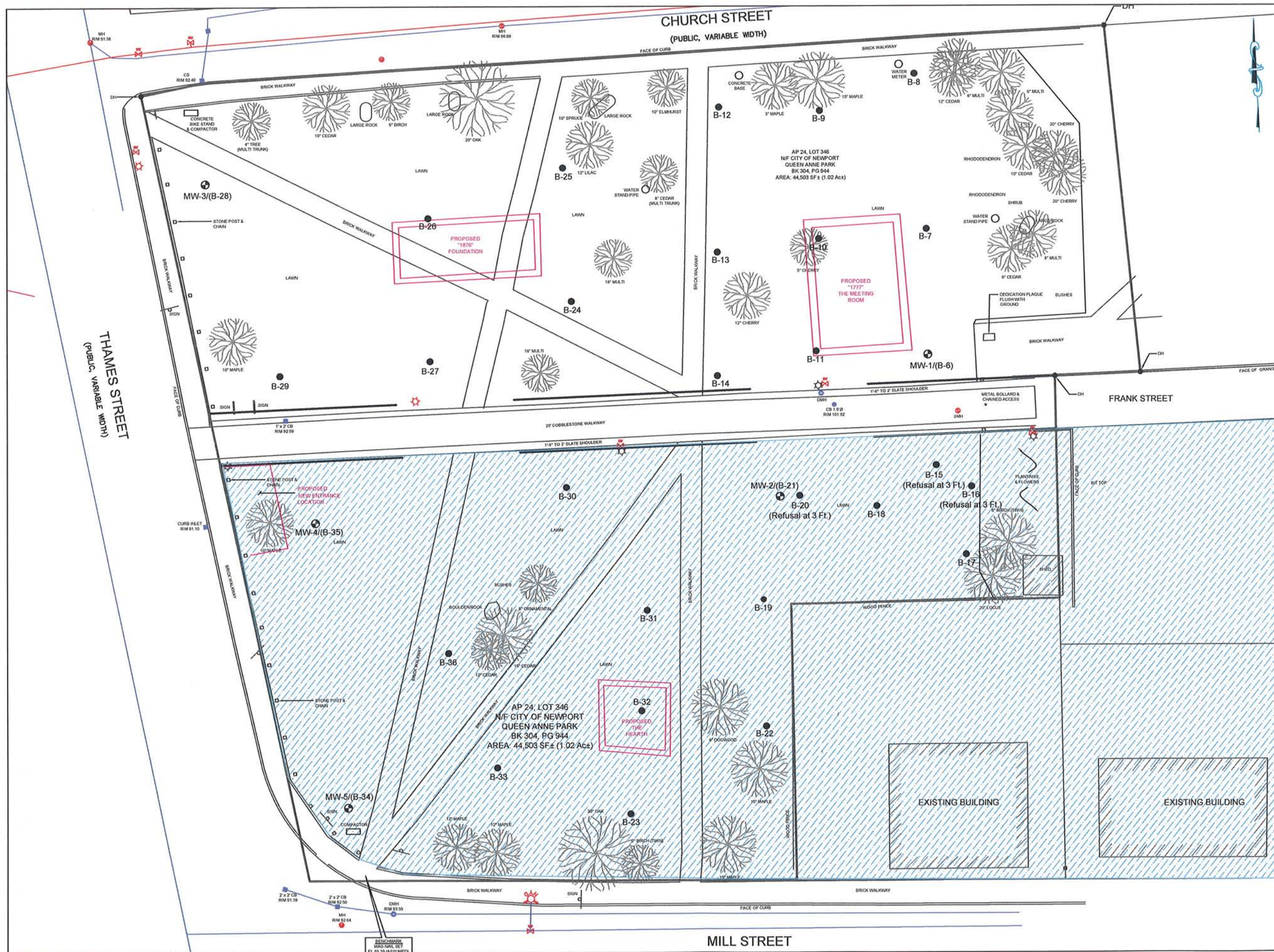
Figure 1

Abutting Properties Within 200 Feet

Queen Anne Square
Newport, Rhode Island



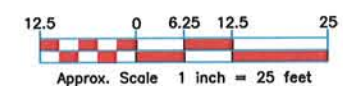
DATE: 03/09/12	JOB #: S2244
CREATED BY: DAK	DRAWING: labuttermap.mxd
Not to Scale	



LEGEND

- MW : MONITORING WELL
- B : SOIL BORING
- CB : CATCH BASIN
- S : SEWER MANHOLE
- W : WATER MANHOLE
- D : DRAIN MANHOLE
- : APPROXIMATE LIMITS OF FORMER EGAN'S LAUNDRY

Note: Baseplan provided by Northeast Engineers & Consultants, Inc. Plan depicts soil boring and monitor well locations with respect to existing conditions and proposed historic foundations.



PREPARED BY:

172 ARMISTICE BLVD
PAWTUCKET, RI 02860
401-723-9900
FAX: 401-723-9973

DRAWING DESCRIPTION:
**BORING/MONITOR WELL LOCATIONS
QUEEN ANN SQUARE
NEWPORT, RI**

PROJECT: **S2244**

LOCATION: THAMES STREET
NEWPORT, RI

DRAWN BY: JD	CHECKED BY: BTC	APPROVED BY: BWC
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DRAWING DATE: 5/1/2012	SHEET NUMBER: SHEET 1 OF 1
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PROJECT NUMBER: S2244	DRAWING NAME: SITE PLAN
--------------------------	----------------------------

FIGURE 2

ATTACHMENT 1

April 2, 2012

In Re: Queen Anne Square

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

IN RE: QUEEN ANNE SQUARE

PUBLIC HEARING - SOIL INVESTIGATION

Monday, April 2, 2012

5:30 p.m.

Newport Public Library

300 Spring Street

Newport, Rhode Island 02840

-- --

Heather A. Lussier, CSR

Capitol Court Reporting, Inc.

931 Jefferson Boulevard

Warwick, Rhode Island 02886

(401) 739-3600

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(COMMENCED AT 5:35 P.M.)

MR. RICCIO: Hi, folks. Welcome. My name is Bill Riccio, the Director of Public Services for the City of Newport. I really don't need this, but I'm going to kind of use it. I want to welcome everyone to this public meeting.

This meeting is being held in accordance with DEM rules and regulations. And basically, it's an information gathering technique being utilized to gather environmental site information on what is known as Queen Anne Square. We all know which is located between Church and Mill Street along the frontage of Thames Street in our great city of Newport also known as Plat 24, Lot 346. And this is a picture here of the -- of the map -- excuse me of the parcel.

Now, tonight we're holding this forum. We do have a stenographer present. So we're going to ask people to -- basically, if they have verbal comments to come on up here so we can clearly get everything down on the record. We also have a secondary procedure. Written comments will -- can be submitted directly to DEM. We've put together some comment forms which I'm also going to be placing onto our web site tomorrow on-line if you don't get the opportunity to grab one of these. So it's, basically, a self-explanatory form discussing the requirements of the meeting as dictated by the DEM regulations. And then I've also put a copy of this map

1 here just so you can see the parcel and the proximity of the
2 project.

3 So those are the methods that we're going to
4 utilize to take comments tonight. Again, the purpose of the
5 meeting is very specific. It is to collect environmental data
6 onto the record for the purposes of this application in front
7 of DEM. So with such, we're going to keep things brief on my
8 part, and we're going to ask for you all to come forward now
9 as applicable. And I'd ask you to speak slowly and clearly
10 and designate yourself by name and address for the
11 stenographer's purpose of collecting data.

12 Would anyone like to begin tonight?

13 MR. CLAPP: Is Sage going to start?

14 MR. RICCIO: We're not -- like -- we are not
15 putting a presentation on this evening. We're just here to
16 collect -- this is just a map of the area to indicate what the
17 site boundaries are.

18 MS. HOWINGTON: Just as a -- I'm Jane
19 Howington. I'm the City Manager here. The reason this is a
20 very specific review and public input session on the
21 environment is specifically for us to gather information on
22 any outside input for the soils and any potential
23 contamination. So the reason we're not doing a presentation
24 is really just because we've -- they've done the soil testing

1 out there. We know what's in the soil. What they want to
2 know -- what DEM is interested in is are there any other
3 people that may have lived there or have their relatives live
4 there that had any other input for the types of uses of the
5 buildings that were on the site or around the site. So this
6 is really just that information gathering to find out if
7 somebody has information that we don't have.

8 MR. RICCIO: Thanks, Jane.

9 MR. CLAPP: Well, then --

10 MR. CUTLER: My name is Laurence Cutler. And
11 my wife, Judy with the very curly hair in the front row and I
12 are tax-paying residents of Newport. We reside in Vernon
13 Court on Bellevue Avenue. I'm a registered architect and also
14 a professional urban designer, author of the very famous
15 textbook entitled, Recycling Cities For People. At one time,
16 I personally directed a number of environmental impact
17 statements as a consultant for a professional services firm.
18 I had thirty-seven offices in my architectural practice, seven
19 offices overseas. I did environmental impact statements for
20 the General Services Administration including one for
21 Newburyport, Massachusetts which is a city very much like this
22 city and also the John F. Kennedy Presidential Library
23 environmental impact amongst a number of others. So I'm
24 familiar from a different point of view with impact

1 statements. I'm cofounder with Judy of The National Museum of
2 American Illustration and The Frederick Law Olmsted Park on
3 Bellevue Avenue and have served my city of Newport as Head
4 Commissioner of the Cliff Walk Commission.

5 I am an opponent to the Queen Anne Square
6 proposal redesign project for a variety of reasons, but my
7 sole reason of interest this evening is to deal with the
8 hazardous materials issues, in particular, the procedures
9 undertaken thus far in evaluating samples taken and those
10 procedures not taken. The procedures that were taken look to
11 me -- it's not my area of expertise, but look to me like
12 they've done a good job thus far. But there's procedures that
13 were not taken because other boring studies were not taken
14 from several critical areas from above the proposed study
15 area, the eastern most portion of the property and the -- and
16 the defined project site with its neighboring sites which are
17 all within the confines which is commonly known as Queen Anne
18 Square, the entire block area that goes up to Spring Street
19 with -- with all those properties part of it. I emphasize the
20 abutting sites because they must be considered as one parcel
21 including the eastern portion for their past uses there which
22 could have contaminates as well in which may be unleashed with
23 construction activities on both large areas of Queen Anne
24 Square.

1 Now, I didn't realize there were going to be so
2 many people, and I didn't have time to do a proper
3 presentation. So you'll forgive a 71-year-old's hand
4 scratches here. What I want to show you is -- the light isn't
5 the best, but in this -- I think you can see from there. In
6 this site plan, you see a number of properties in 2012 that
7 are on the entire site. And this is Spring Street, and this
8 is Mill Street here. And there's no testing in any of these
9 areas. All the testing is done down here. But if you look at
10 this site plan -- and I'll give the -- Mr. Riccio and
11 Mr. Nicholson after the meeting copies of these things.

12 MR. NICHOLSON: That will be helpful. Yes.

13 MR. CUTLER: This is the same site. This is
14 Mill Street here and Spring Street and Thames Street at the
15 bottom. The "P" is standing for pollution. These are all --
16 in the pink are areas that were emanating contaminates of one
17 kind or another over many, many years. And you see they all
18 flow from all around the site. Yet the project study area is
19 just this little bit at the bottom right. I just hashed it
20 when I was sitting down over there. That's the area that
21 Sage -- Sage Engineering undertook the studies for.

22 It's my understanding that after the first
23 round of Sage's samplings there was digging by either NRF or
24 someone else in respect of moving rose bushes and the like

1 above the study area. And that petroleum hydrocarbons were
2 encountered in the soil there. This should have and may have
3 been reported to DEM, but my points are (1) I believe that no
4 digging of any soil in this vicinity should have taken place
5 after the study area was designated until the extent of the
6 contamination was defined by Sage's engineers and technicians.
7 (2) if petroleum hydrocarbons were encountered, then DEM
8 should have been notified regardless of whose property this
9 were discovered upon. For it is my understanding that Trinity
10 Church along with NRF support are together undertaking the
11 removal of brick sidewalks and the roadways to construct a
12 column barrier and make other landscaping improvements. And
13 that whole eastern area should have absolutely been included
14 in the original study area, not just the immediate area around
15 the proposed fake building foundation per se. And if this
16 column bearing project is, indeed, a fact -- I don't know that
17 it is. But if it is, then DEM and Sage should look carefully
18 at gathering additional information and opine upon its status
19 for it may also affect the site downhill from it.

20 I'm not an engineer, but I believe that this is
21 critical to our mutual areas of interest in Queen Anne Square.
22 As citizens, we all have the right to know such information,
23 and final determinations and meetings like this I think are
24 great from that point of view. Is it a DEM regulation -- this

1 is a question to DEM -- that all construction workers,
2 landscape gardeners, designers, artists, administrators and
3 their staff and other related parties who may be on site
4 during the construction period are required to take the
5 40-hour OSHA health and safety training program? And if so,
6 how is such implemented? I believe that that's a requirement.
7 As I understand it, there are enough trace amounts of chemical
8 cleaning solvents to warrant for the testing.

9 Now, I was pleased to learn that more testing
10 is, indeed, outlined in Sage's next scope of work requested by
11 DEM as shown on their web site. However, we citizens do not
12 believe enough testing has been done to make a definitive
13 declaration regarding the entire site right now or the
14 adjacent land area above the current study area. The findings
15 thus far indicate that there are five different contaminants
16 which definitely warrant more large scale testing and analysis
17 to discover whether these contaminants are, indeed, on-site
18 including polychlorinated biphenyl, also known as PCBs which
19 has not been tested for at all. There are five components
20 which were found that exceed DEM limits, but by capping them
21 solely on the NRF site does not preclude the damage effect of
22 these contaminants from the eastern side abutting side. Fires
23 have taken place on lots of sites which is the usual reason
24 for some findings -- such findings, but this site exceeds DEM

1 standards by far. And it is so important to this community
2 that more testing in the abutting areas should take place.

3 I'm particularly cautious about PCBs for I have
4 a son -- some of you may know Zachary Cutler who contracted
5 acute lymphocytic leukemia when he was seven which came from
6 an electrical transformer which was in front of my house
7 between my house and a neighbor's house in Newton,
8 Massachusetts. This is the reason I immediately noticed that
9 the PCBs were not even tested for. My neighbor's son was also
10 diagnosed with acute lymphocytic leukemia. He died. Luckily,
11 Zachary survived. But I do not want to see anything like this
12 happen in this community due to hazardous materials on this or
13 the balance of the site. You'll understand at this point the
14 balance of the site is the other whole half of that huge super
15 block. Certainly, I don't want it to happen just because an
16 imaginary property line separates it from the deeded rights or
17 outlines the deeded rights all because of a project like the
18 one proposed for this site. It's something we don't need in
19 any case. Thank you very much.

20 (APPLAUSE FROM AUDIENCE)

21 MS. HOWINGTON: And I appreciate that you were
22 going to submit the plans that you have. If any of you also
23 have written dialogue like that, just to make sure that we
24 catch every word, if you can also send that to us or submit

1 it, we appreciate it.

2 MR. RICCIO: Is there anyone else in the
3 audience that would like to make some comments?

4 MR. CLAPP: Yes. I would like to make a
5 comment.

6 MS. HOWINGTON: Do you want to change this now?

7 MR. CLAPP: Yes, I do.

8 MR. RICCIO: While we're setting up, --
9 Mr. Clapp has a small presentation -- is there anyone else
10 that would like to jump in right now and make comments?

11 (BRIEF PAUSE)

12 MR. RICCIO: No. Okay. Bear with us as we
13 make the change with the computers. Thanks.

14 MR. CLAPP: I'll buy you some time. My name is
15 David Clapp. I live on John street, and I'm part of the
16 opposition to Queen Anne Square. This has been a growing
17 group over the past six or seven months. And the reason I'm
18 standing up here is to -- I've had the opportunity and the
19 privilege to gather distant comments from the group over a
20 period of time and go to these meetings. Given the rules and
21 regs. of this meeting, people getting up and speaking for
22 three minutes and that's about it, I took the liberty to talk
23 to our group and ask for their solicitations over the weekend
24 so that we could put together an informative and a

1 strategically designed question and answer period so that we
2 stayed on the subject that is relevant to this meeting which
3 is environmental hazards and toxic waste. I've been to a lot
4 of meetings with our group, and they are all well-meaning.
5 And sometimes we have to pull people in on the fact that the
6 benches aren't going to be very comfortable. I'm certain Joe
7 wouldn't really care about that. So allow me -- allow me the
8 opportunity -- I'm going to have to do some things here
9 because I have to collect a couple --

10 MR. RICCIO: I want to make sure it's all set
11 to go.

12 MR. CLAPP: Okay. Great.

13 MR. RICCIO: Can you check that for us?

14 MR. CLAPP: I can't really because I have to
15 have the clicker. Okay. And I will -- because Laurence did
16 just a fine presentation, I'm going to shorten my
17 presentation. I only have about, you know, a few questions
18 and answers mostly directed at DEM. But in the way that the
19 questions are phrased --

20 MR. RICCIO: Just recall that we're collecting
21 information from you all now. So we're not going to be able
22 to get into a question and answer forum.

23 MR. CLAPP: It's not a question and answer
24 forum. I'm just going to give you some -- a number of

1 questions that can go into the public record. Okay?

2 MR. RICCIO: Okay.

3 MR. NICHOLSON: By the way, see if you --
4 Mr. Clapp, see if you can get the microphone a little closer
5 to you.

6 MR. CLAPP: Yes. The problem that I have is
7 that that computer has a clicker, and I got to do both or
8 whatever.

9 MR. RICCIO: This can be moved here.

10 MR. NICHOLSON: No one's limited to three
11 minutes or whatever. That's somewhat of an arbitrary comment.
12 If you have information if you want -- I'm Joe Nicholson. I'm
13 the City Solicitor. If you want to get up and take some time
14 and explain what type of historical information you have on
15 the property, please do so. I mean, I have my own historical
16 information on the property, but it's limited to the late
17 '60s. I knew there was a laundry there. And my only
18 historical information that I recall is my father had an
19 office right next to Ryan's Sporting Goods, and he used to
20 tell me, kid, go take my shirts to the laundry. And that's
21 the extent of my knowledge. But you may have more in-depth
22 knowledge of the property -- all of you, Mr. Clapp included.
23 So take the time and provide the information. You don't have
24 any limitation. We've got all night. If you need to espouse

1 some things, please do so.

2 MR. CLAPP: Joe, keep talking. I've got to
3 find the clicker.

4 MR. NICHOLSON: I've got a song and dance if
5 you want.

6 MR. CUTLER: Joe, Mr. McNulty -- John McNulty
7 is here this evening. He knows every inch of the history of
8 the property.

9 MR. NICHOLSON: Oh, I'm sure he does. So if
10 you want to get up at some time, Mr. McNulty, get up and
11 discuss this.

12 MR. MCNULTY: Appropriate time?

13 MR. NICHOLSON: Why don't you -- Jack, why
14 don't you go ahead, please.

15 MR. MCNULTY: Okay. I'm sure everyone can hear
16 me, anyway.

17 MS. BRIAR: No. Don't think everybody can hear
18 you. You need the microphone.

19 MR. MCNULTY: Okay. I'll wait.

20 (BRIEF PAUSE)

21 MR. MCNULTY: My name is John McNulty. I was
22 born in Newport, the Fifth Ward, and I'm very familiar with
23 the Queen Anne Square, basically, because I'm very familiar
24 with the Newport Restoration Foundation. I first started out

1 restoring the Prescott Farm Windmill which we moved from
2 Lehigh Hill in Portsmouth to the present site at the Prescott
3 Farm. This was in 1968 and 1970. I was asked to be involved
4 in this project by Mr. Francis Comstock who was a mentor of
5 mine, and he helped me through the years in my business.

6 Now, I'm going to address the Queen Anne Square
7 site. In 1977, I was a registered building contractor in the
8 city of Newport, and I approached the demolition contractor
9 about purchasing a portion of the Egan Laundry structure which
10 I was successful in doing. I relocated it to Middletown on
11 Aquidneck Avenue. It consisted of steel beams, windows,
12 doors, light fixtures, anything I could use in my construction
13 site on Aquidneck Avenue. I spent -- this was in 1977. It
14 was I think early summer. I spent quite a bit of time on the
15 site picking out and disassembling parts that I could use.
16 And I'm just going to mention the fact that what I witnessed
17 in the demolition of the lower portion of the Egan Laundry
18 structure which was right on the corner of Thames Street and
19 Mill Street -- I can recall it very vividly. It had a blue
20 and white tile floor as you walked in with a counter for the
21 customers to pick up their dry good that ran east and west
22 from Thames Street towards Spring Street. The only entrance
23 was on Mill Street. I think there were four or five parking
24 spaces right up close to the building on Thames Street. The

1 cars actually hung out on the sidewalk when they used that
2 area.

3 But going back to the demolition of the lower
4 portion of the Egan Laundry structure, I can clearly recall
5 going down in the basement. There was a basement under this.
6 That's why you had to climb a certain number of steps to get
7 up in the office space. There were large tanks in this
8 basement, one large tank for heating fuel, and then there were
9 several other tanks for cleaning products. There were also
10 many 55-gallon drums. Now, if you have a bible in here and
11 you want to put it on the top here, I'll put my hand on it and
12 tell you what happened to all the affluent that came out these
13 tanks with the exception of the very large heating oil tank.
14 I can't comment on that. All of this liquid was let go into
15 the sanitary sewer system of the city of Newport, either the
16 sanitary sewer or the storm sewer. I witnessed it. I wasn't
17 there to witness it. I was there to disassemble the portion
18 of the building that I had purchased. I spent weeks down
19 there doing my thing, collecting my stuff.

20 I'm not surprised at that area -- and I have
21 the testing, boring records in front of me here. I'm not
22 really surprised that if the material was dumped where I saw
23 released from the tanks didn't go into the sewer, you would
24 have a much higher rating as to what they are seeing now. So

1 it's kind of passe that this material is gone. But it's sad
2 where it went because it went right into the harbor either off
3 the pumping station on Connell Highway or -- I mean -- yeah.
4 Pumping station or through the storm drain right down into the
5 harbor. I have plans here for the -- from Mill Street of the
6 structure that I purchased from the demolition contractor. If
7 anybody wants -- I have initialed these plans. And if anybody
8 wants a copy of them, I'll make it available.

9 The site -- there is -- there was a gas station
10 on the top of Mill Street and Spring Street. There was also
11 an automobile dealership on Mill Street, approximately, where
12 Comstock Court is now. It was Silvia's Auto Sales. I bought
13 a 1954 Ford convertible from Mr. Silvia. Wish I still had it.
14 It's all recorded because I have the paperwork here showing
15 these locations. The gas station at the top of Spring and
16 Mill could have possibly been a pollutant site, but back then
17 it was not -- pollutant was not an issue.

18 I did go to the City Hall today and went
19 through the Personnel Department and pulled out the records as
20 to who the Building Inspector was at the time in 1977 when I
21 was involved in this project. I have the date of his
22 employment and the date of his retirement. I'm just not
23 mentioning his name at this point in time. I think I've
24 covered everything I have to say. I went over the three

1 minutes. So I'm going to stop now.

2 MR. NICHOLSON: You've got more time. Take
3 your time. If you need more time, take your time.

4 MR. MCNULTY: Time is money, Joe.

5 MR. NICHOLSON: We know that.

6 MR. MCNULTY: We talked about that.

7 MR. NICHOLSON: I know that all too well.

8 MR. MCNULTY: I'm done. Thank you.

9 MR. NICHOLSON: Thank you.

10 (APPLAUSE FROM AUDIENCE)

11 MR. CLAPP: Now, I have to be ambidexterous and
12 do two things at once, and computers are confounding to me.
13 Again, let me thank everybody for showing up tonight.
14 Briefly, our group -- my name is David Clapp. Our group
15 represents a group of people that formed on an ad hoc basis
16 basically to try to understand what exactly was going on with
17 Queen Anne Square and why the -- there was so much obfuscation
18 of the process during the fall. Basically, there wasn't
19 anybody that did anything transparently. And it became
20 annoying -- more annoying. And I think that's the reason that
21 the people in our group became more and more intent upon
22 stopping this, was the way that the City continued to act in
23 regards to not even changing over the course of an entire fall
24 and almost winter a five to four vote or five to one vote at

1 the City Council, that not one person in eight months or seven
2 months or whatever changed their vote. Now, this was also of
3 the same issue that was Number 1 for the local paper in terms
4 of intensity. Eighty-nine percent of the people in this town
5 said we don't want this square, and yet not one person on the
6 City Council changed their vote over a period of time.

7 MR. RICCIO: Excuse me, Mr. Clapp, can we keep
8 it on point to the environment issues.

9 MR. CLAPP: Will do.

10 MR. RICCIO: Thank you.

11 MR. CLAPP: This is a -- these questions are
12 directed towards DEM, our good friends at DEM, and -- and I
13 will have -- I just have a few going here. Is it true that
14 Sage did not test for PCBs and Dioxins? And why is this?
15 Mr. Cutler brought this up earlier. This is kind of a
16 redundant thing, but certainly the reason it's been repeated
17 is because it's so important to this issue. Regarding Sage,
18 What assurances would DEM provide the citizens of Newport that
19 Sage's test results will be reliable? Why was Sage even
20 chosen? Was it complete -- competitively bid? And
21 procedurally, could DEM require an independent source be used
22 to corroborate Sage's results? Importantly, what's Trinity's
23 official status? Is it, as they claim, just an abutter? If
24 Trinity is just an abutter, was there any soil testing done on

1 Trinity's property? And if not, why not? Presumably there
2 was no Benzine or Toluene found in the Sage testing, yet
3 municipal records prove that there was a dry cleaner within
4 the span of Queen Anne Square on Frank Street. Was this
5 surprising? And if so, does this warrant more investigation?
6 Does the rumor of more contaminated land abutting the tested
7 areas indicate a present problem or a potential one? How far
8 beyond the periphery of the actual footprints of the proposed
9 project is required to be tested? One, no feet, ten feet or
10 how many feet?

11 The perimeter has to expand. The testing has
12 to be increased. Does DEM believe that the scope of the soil
13 testing be extended beyond the current perimeters? It is our
14 understanding that NRF told Sage about the purported location
15 of that laundry. Seems like a thorough investigation of
16 municipal records would have been more professional on Sage's
17 part. Wouldn't you agree? Some believe that the number of
18 bore holes tested were insufficient to analyze the true
19 dimensions and toxicity of this entire site. Who will
20 determine what is procedurally correct?

21 In addition to the dry cleaning facility, there
22 was also an ARCO Station to the corner -- on the corner of
23 Mill and Spring. Landscaping volunteers from Trinity Church
24 repeatedly cite finding oil and waste contaminates still in

1 the soil after all these years. Did Sage investigate the
2 existence of that ARCO Station? And how will DEM approach
3 this? Does DEM even have jurisdiction there? It is our
4 understanding that DEM will use a new internal procedure when
5 analyzing Queen Anne Square. Can you comment on that so that
6 we can understand it better?

7 For the citizens of Newport, open spaces,
8 especially historic ones is vital -- is a vital concern of
9 ours. Yet the NRF's proposal to change Queen Anne Square will
10 result in an actual reduction in open space. Would this be
11 philosophically inconsistent with DEM's overall mission? Does
12 DEM believe that the scope of this oil testing should be
13 extended beyond the current park perimeters? Given that
14 testing is expensive, how will DEM mandate that the City
15 convey to Newport citizens that current efforts have been
16 inadequate and more testing is needed?

17 MR. RICCIO: Mr. Clapp, excuse me for
18 interrupting. Do you have any more info similar to Number 10
19 where you talked an ARCO Station in the general vicinity?

20 MR. CLAPP: I have a picture of it, actually.

21 MR. RICCIO: Can we try to stay a little more
22 on point on the environmental of the park we're discussing,
23 please.

24 MR. CLAPP: I'm sorry. The ARCO -- the ARCO

1 Station is -- would have been an abutter.

2 MR. RICCIO: Well, then can we totally say then
3 all -- nothing that is related to the site in question is what
4 you're then telling me?

5 MR. CLAPP: It was on the corner --

6 MR. RICCIO: We're just trying to keep to the
7 point.

8 MR. CLAPP: It was on the corner of Spring and
9 Mill.

10 MR. RICCIO: Understood. So if you have any
11 comments on --

12 MR. CLAPP: It's -- it's a hundred yards away
13 from Queen Anne Square.

14 MR. RICCIO: We need to keep on the record for
15 the parcel in question. If you could do that, it would be
16 much appreciated.

17 MR. CLAPP: I'm certain the people at DEM would
18 be more interested in finding out what the perimeter aspects
19 of how far away was the contamination that trickled down into
20 Queen Anne Square and then into the harbor. So you are --
21 you're saying that the footprint of Queen Anne Square is the
22 only thing in question? Huh? Is that what you're saying?

23 MR. RICCIO: I'm just asking you to keep on
24 point with the purpose of the meeting.

1 MS. BRIAR: He is.

2 MR. CLAPP: Are you taking this down?

3 I'm talking about something that's 50 yards
4 away.

5 MR. RAMMELL: I'm Bill Rammell. I've been
6 living in Newport for quite a while. I own 210 Thames Street
7 which is basically an abutter. We're -- if you go the nearest
8 street up, we're right there. We have a basement. And they
9 called Spring Street Spring Street for a reason. And our
10 basement is only dry because we have three, four sump pumps
11 running continuously. And, in fact, during the last hurricane
12 when we lost power for three days, I had to go down to the
13 building every two hours or every half hour, an hour. It
14 depended, but -- otherwise, my basement would have flooded. I
15 had to run the generator to run the pumps to empty the crocks.
16 And in 1983, we did a -- in '82, we did a complete renovation
17 of the building. And we needed some weightbearing poles in
18 the basement. We had to dig several piers in the basement to
19 support these lolly columns. And when we dug them, it was
20 literally just a river running through our basement. And
21 the -- you know, it's -- we're downhill. So anything uphill,
22 Spring Street or lower -- I mean, Spring is relevant to this
23 discussion because, obviously, water flows downhill. And I
24 think if they dig down two feet and remove all that soil

1 they're going to have water. But for what it's worth --

2 MR. CLAPP: Now, that's -- that's vital because
3 what -- some of the things that we're -- with my last few
4 questions are -- you know, you're an abutter in one way, shape
5 or form. And so I think the idea is that Queen Anne Square
6 while it may have a geographic, okay, definition, it's not
7 really that way at all.

8 Understanding that this is only speculation on
9 DEM's part, what has been the effect of abutters' property
10 values in your experience when homeowners realize they're
11 adjacent to a toxic waste site?

12 MR. RAMMELL: If I could just add one thing.
13 DEM, you know, or anybody is welcome to come and test the
14 water in the crocks. Easy access. No problem.

15 MR. CLAPP: I'm sure they'll be over. Thanks.

16 Do you have any examples of when a toxic waste
17 site is exposed to DEM's investigations and injured parties,
18 e.g. abutters sue for damages against the City? If the Queen
19 Anne Square project were halted immediately, how would DEM
20 classify the site? Halted immediately. Capping toxic sites
21 and/or concrete capping have, approximately, a 50-year
22 lifespan. Is there a long-range site plan for management and
23 funding of Queen Anne Square toxic materials? Long-range now.
24 Who is writing the long-term site remediation plan? And who

1 is responsible long-term? The City, the taxpayers or NRF? Is
2 there any money in the "endowment fund" for future testing?
3 Does DEM have any examples where public toxic sites in the
4 state have returned to private ownership? What were -- what
5 were their maintenance plans short and long-term? And who
6 would pay the maintenance? The taxpayers? Can the City
7 legally give a known toxic site to a nonprofit? A homeowner
8 cannot sell a house if it tests positive for Radon. It's
9 against the law. So how can the City endanger the public by a
10 site that has far more dangerous chemicals in it than that? I
11 guess that's the gift. What is the final authority on the
12 legality of giving away toxic land? Did anyone call the EPA?
13 There has to be a law against it. Or if they are going to do
14 it, then some entity has to ensure that the private party will
15 protect the public who are going to be using this recreational
16 site. But I guess more over, who trusts the NRF? Anyway, as
17 I say, that was a compendium of subjects and comments and
18 thoughts that our group has been generating for the past two
19 or three months.

20 MS. BRIAR: And who is your group?

21 MR. CLAPP: We're the citizens for Queen Anne
22 Square. So I tried to keep it -- I've tried to keep it on the
23 environmental issues. As I said, the -- there's a spirited
24 group of people here that are not going to let this go away.

1 MR. NICHOLSON: Do you have -- you're going to
2 forward this to -- your presentation to us?

3 MR. CLAPP: I've already done that.

4 MR. NICHOLSON: Yeah. Okay. Great. Thanks.

5 MR. CLAPP: Thanks for your time.

6 (APPLAUSE FROM AUDIENCE)

7 MS. HENRY: Margaret Henry, 267 Gibbs. I'm --
8 it's very interesting, and the questions I think are
9 wonderful. I get the impression, though, that -- I came
10 wanting to hear answers, and I get the impression that you
11 folks want information from us. This is --

12 MR. RICCIO: Exactly.

13 MS. HENRY: This is more of an information
14 gathering.

15 MR. RICCIO: Gathering.

16 MS. HENRY: Then when can we get answers?
17 Because after this started, I -- my son-in-law is an
18 environmental engineer. And he works out in San Francisco and
19 Oakland where they have lots of toxic sites, and all he does
20 is soil testing. So I zapped him a little e-mail and said,
21 you know, they're going to be testing this site -- or I didn't
22 even know if they were going to be testing the site. And he
23 said -- he gave me a very specific, for a dry
24 cleaning/laundromat -- in fact, that's his master's thesis is

1 on dry cleaners, although, he's working out in California.
2 And there are very specific chemicals that you test for. And
3 he said, sadly, some of those chemicals actually turn into
4 other chemicals over the years and probably is a different
5 chemical right now. And he said a lot of times you don't even
6 see the toxicity until the people start digging, and then the
7 toxicity starts coming up and whoever is educating themselves
8 on this. Sometimes the environmental person is there.
9 Sometimes it's just a contractor working for eight bucks an
10 hour. And he's getting exposed to it. And then, of course,
11 the air gets exposed and the people living around it depending
12 on what the toxicity is. And that's what I would find -- I
13 mean, I think it's important that you're hearing from people
14 who have a history here. And my history isn't that long. But
15 when are we going to hear about what was tested, how much was
16 tested, what it looked like, what the remediation is, what's
17 the proper remediation for those things? I mean, sometimes
18 people just cap them, and that's it. And that's perfectly
19 acceptable I guess. But I think, though, we'd really like to
20 know that kind of information.

21 MR. RICCIO: Yeah. And this is -- this is one
22 part of a process that's being worked, and this is one -- this
23 is the next step that we're taking to develop everything
24 you're looking to view.

1 MR. HENRY: Okay. So you're getting -- all of
2 Mr. Clapp's wonderful questions will be processed --

3 MR. RICCIO: Yes. We're getting it on the
4 record tonight. We're getting it on the record officially
5 with the stenographer, but people are also handing some of
6 their presentations into us which we will compile and present
7 to DEM as part of the official record for the whole project.

8 MS. BRIAR: When will that be?

9 MR. RICCIO: I'm sorry?

10 MS. BRIAR: When will that be?

11 MR. RICCIO: The comment period is open until
12 April 16th at 4:00 p.m. So all of this will be left open, and
13 we'll continue to collect written data. Obviously, there
14 won't be a verbal outside of tonight. But again, I don't know
15 if you were here at the start, but there are some written
16 comment forms in the back of the room that you can take when
17 you leave and mail in. And tomorrow morning we will also
18 place it onto the City's web site in case you don't get one
19 tonight and you want to download it, print it out, fill it
20 out. It's up until April 16th. Anybody else?

21 MR. Wallace: I just want to say -- Mike
22 Wallace -- this whole paranoia about toxic site, it's not a
23 toxic waste site. It's a very common thing. When you have an
24 urban area, you have tanks, things, they just fill that stuff

1 in. If you take a good look at that park, the grade is way
2 high as it is. It's kind of bizarre. Maya Landing speaks for
3 the Audubon Society. Her concerns are very environmental.
4 She has a lot of concerns about saving the planet, saving
5 animals. She is very concerned about this kind of thing. She
6 wants to clean it up. I would think you people who want to
7 keep it the same way would at least want the people who are
8 going to use it that way have not a toxic place in there.
9 What they are doing is common. If there was going to be a
10 building built there, they would have to go in there, test it,
11 find out. It's not, you know, whatever that place was up in
12 New York, whatever. It's just a very common, toxic thing.
13 They're going to clean it up. They're going to fill it in
14 with nice soil. It's not going to be polluted. It's going to
15 be fine.

16 MR. CLAPP: Thanks. See you.

17 MS. BRIAR: Thanks, Michael.

18 MR. RICCIO: Hi.

19 MS. FITCH: I would like to speak.

20 MR. RICCIO: Please.

21 MS. FITCH: My name is Penny Fitch. My husband
22 and I live at 14 Everett Street. I didn't make a formal
23 presentation. I came actually just to kind of hear what was
24 going on. I have been an active person in favor of the Queen

1 Anne Square development. My point is quick and short. I
2 would certainly hope -- and this is addressed to the DEM --
3 that in the -- in the course of them doing what they need to
4 do they take under consideration that a lot of people in town
5 that are educated and well thought of are using -- using these
6 tests as another way to try to stop what's happening in Queen
7 Anne Square. And I certainly hope that the people at DEM are
8 aware of that. Thank you.

9 (APPLAUSE FROM AUDIENCE)

10 MS. HENRY: Margaret Henry.

11 AUDIENCE MEMBER: Can you stay on point?

12 MS. HENRY: Well, I did. I talked about --

13 AUDIENCE MEMBER: No, you didn't. You didn't.

14 MS. HENRY: Well, I guess the point is it's not
15 about -- it's not about labeling something toxic or not toxic.
16 It's just about the testing that needs to be done, and we as
17 citizens should know what the testing is, what the effect is.
18 And then we can make decisions as to what -- and to accuse
19 people of wanting to stop a project by using toxicity -- I
20 think that's kind of unfair because nobody really knows what
21 any of our thoughts are. And so I think -- anyway, that's it.

22 MR. CLAPP: Thank you. Thank you.

23 MR. RICCIO: Ma'am, one more note. There is --
24 there is a record of the project right now that continually

1 evolves on the DEM's web site. So you can go onto
2 RhodeIslandDEM.gov I believe it is.

3 MS. HENRY: Perfect.

4 MR. RICCIO: And it's under their Waste
5 Management Office. And then you'll see there's a number of
6 projects that are being developed, and this is one of them.
7 And all of the records up to this date. We'll share
8 everything that the -- the City has done up to this point.

9 MS. BRIAR: Is the DEM present here, a
10 representative?

11 MR. RICCIO: There are. Yes. There are
12 representatives here.

13 MR. MARTELLA: Joe Martella, DEM.

14 MS. OWENS: I'm Kelly Owens for the Rhode
15 Island DEM. Thank you.

16 MR. RICCIO: Again, that's Joe Martella and
17 Kelly Owens from DEM are here. Yes, ma'am. Again, just your
18 name and address, please.

19 MS. HUTTON: My name is Frankie Hutton. I live
20 at 25 Catherine Street.

21 MS. BRIAR: You must speak up.

22 MS. HUTTON: My name is Frankie Hutton. I live
23 at 25 Catherine Street in Newport. I've been a gardener at
24 Trinity Church for ten years. And during that time, the head

1 gardener, Mary Alice Barker told me that she had found oil in
2 the soil of the church yard in the southeast corner on
3 numerous occasions, and she also said that there had been a
4 gas station there previously. According to -- you can see it
5 on this picture that I brought. Here is the gas station.
6 According to the Newport City directory, that gas station was
7 there for over 30 years, and it was there from at least 1941
8 to 1973.

9 MR. RICCIO: Thank you. Anyone else, folks?

10 Yes.

11 MS. STOOKEY: Hilary Stookey. Hello. I just
12 have a thing real quick. Hilary Stookey, Newport. The public
13 really doesn't have adequate access to these plans. They're
14 at City Hall, but not everybody can get to City Hall. And I
15 think it's only fair that we should have them on display here
16 in the Newport Public Library. Could you see if that could be
17 possible, please?

18 MR. RICCIO: Sure. Like I said, the project
19 information right now is on the web.

20 MS. STOOKEY: Yes. But the plans themselves
21 are not available, only at City Hall. I think -- I believe
22 that they should be available here at the Newport Public
23 Library so that people have a chance to look at them because I
24 know they're being revised. Thank you.

1 MR. RICCIO: Thank you.

2 MR. SULLIVAN: Hello. I'm Brian Sullivan of
3 Newport, and I have a question that was actually prepared by a
4 professional who happens to be as anonymous as I'm not in this
5 issue. But this professional is a very close person to me,
6 and his profession is that of the Sage Company, underground
7 work on environmental counseling. This environmental
8 consultant asks: As you may recall, the groundwater was not
9 heavily impacted by chlorinated solvents. This suggests to me
10 that there is no significant chlorinated solvent problem.
11 Since the property is fairly small, it does not seem likely
12 for the monitoring wells to be in the wrong places. Given the
13 lack of physical evidence of the former dry cleaner other than
14 anecdotal information garnered by the developer, what other
15 sources of information have been sought from knowledgeable
16 persons? Have any interviews been attempted or completed with
17 past owners that would know where key components of the dry
18 cleaning equipment were located, how wastes were managed and
19 what types of solvents were used? Since all physical evidence
20 of the former dry cleaner has been removed from the property,
21 such interviews might be useful. Hear, hear. I think that is
22 an adequate offer to see questions addressed. So thank you
23 very much for the opportunity to share.

24 MR. RICCIO: Thanks, Mr. Sullivan. Anything

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else?

(BRIEF PAUSE)

MR. RICCIO: Okay. Hearing none, I'd just like to reiterate there are comment forms in the back. It will be posted on the web site if you don't get one, and you'd like to officially make more comments that can be sent directly to DEM as you will notice on the form. Thanks, everybody, very much for coming. We appreciate your comments.

(PUBLIC HEARING CONCLUDED AT 6:28 P.M.)

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C E R T I F I C A T E

I hereby certify that the foregoing is a true and accurate transcript of the public hearing taken on Monday, April 2, 2012, at 5:30 p.m.

Heather A. Lussier



HEATHER A. LUSSIER, CSR

Notary Public, State of Rhode Island

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ATTACHMENT 2



RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

235 Promenade Street, Providence, RI 02908-5767

TDD 401-222-4462

April 18, 2012

Ms. Jane Howington
City Manager
Office of the City Manager
City Hall - 2nd Floor
43 Broadway
Newport, RI 02840

Pieter N. Roos
Executive Director
Newport Restoration Foundation
51 Touro Street
Newport, RI 02840

RE: April 2, 2012 Public Meeting and Subsequent Public Comments Regarding the Environmental History and Potential Environmental Conditions at Queen Anne Square Intersection of Mill, Thames, Spring and Church Streets, Newport, Rhode Island
Case No. 2012-010

Dear Ms. Howington and Mr. Roos:

On November 9, 2011, the Rhode Island Department of Environmental Management (the Department) amended the Rules and Regulations for the Investigation and Remediation of Hazardous Material Releases, (the Remediation Regulations). The purpose of these regulations is to create an integrated program requiring reporting, investigation and remediation of contaminated sites in order to eliminate and/or control threats to human health and the environment in an efficient manner.

In the matter of the above referenced Site, the City of Newport, in accordance with the Public Involvement requirements under Rhode Island General Laws (R.I.G.L.), Title 23, *Health and Safety*, Chapter 23-19.14, *Industrial Property Remediation and Reuse Act*, Section 23-19.14-5, *Environmental Equity and Public Participation*, as well as Section 7.00, Rule 7.07.A.iii of the Remediation Regulations, scheduled and held a Public Meeting on April 2, 2012. The purpose of the meeting was to obtain information about conditions at the Site and the environmental history at the Site that may be useful in establishing the scope of the investigation of the Site and/or establishing the objectives for the environmental clean-up of the Site. The record of the meeting remained open for a period of ten (10) business days for the receipt of public comments, and concluded at 4:00pm on April 16, 2012.

During the public comment period, the Department's Office of Waste Management (OWM) received several documents including public comments about environmental conditions at the Site and the environmental history at the Site, submitted in accordance with Rule 7.07 of the Remediation Regulations. Copies of these written comments, with names and addresses removed, are attached to this letter.

Please review these submitted comments and prepare written responses to each of them as appropriate. It is the Department's understanding that Sage Environmental, Inc. (Sage), on behalf of the City of Newport and the Doris Duke Monument Foundation (DDMF), will be preparing a comprehensive response to the comments received at the Public Meeting, as well as any other written comments received by the Department, the City of Newport, the Newport Restoration Foundation (NRF) and/or the DDMF, during the public comment period, and submitting them to the Department for review and approval. The Department acknowledges that several of the comments may be directed specifically to the Department, and those will be addressed in a separate letter by the Department, upon Department approval of all final responses to all other relevant public comments.

The results of All Appropriate Inquiries, analysis and the public meeting, including the comment period, shall be documented in a written report submitted to the Department in both hard copy and electronic format (as specified by the Remediation Regulations). Copies of the stenographer's transcript of the Public Meeting, along with copies of any written comments received, should be submitted as attachments to the report.

If you have any questions regarding this letter or would like the opportunity to meet again with Department personnel, please contact me by telephone at (401) 222-2797, extension 7109 or by e-mail at joseph.martella@dem.ri.gov.

Sincerely,



Joseph T. Martella II
Senior Engineer
Rhode Island DEM
Office of Waste Management

Cc: Terrence D. Gray, P.E., Assistant Director, RIDEM/AW&C
Leo Hellested, P.E., Chief, RIDEM/OWM
Kelly J. Owens, RIDEM/OWM
Nicole Poepping, RIDEM/Legislative Liaison
Scott D. Wheeler, Newport Department of Public Services
Joseph J. Nicholson, Jr., Esquire, Newport City Solicitor
Jeff Moniz, Farrar Associates
Representative Peter F. Martin, District 75
Senator M. Teresa Paiva Weed, District 13
Bruce Clark, Sage

Queen Anne Square Environmental Questions DEM Meeting

1. Is it true that Sage did not test for PCB's and Dioxins? Why is this?
2. Regarding Sage, what assurances will DEM provide the citizens of Newport that Sage's test results will be reliable?
 - Why was Sage even chosen?
 - Was it competitively bid?

- Procedurally, could DEM require an independent source be used to corroborate Sage?
3. What is Trinity's official status? Just an abutter?
 4. If Trinity is "just an abutter", was there any soil testing done on Trinity's property? If not, why not?
 5. Presumably there was no benzene or toluene found in the Sage testing. Yet municipal records prove that there was a dry cleaner within the span of QAS on Frank Street.

- Was this surprising, and if so, does this warrant more investigation?
- 6. Does the “rumor” of more contaminated land abutting the tested areas indicate a present problem or a potential one?
- 7. How far beyond the periphery of the actual “footprint” of the proposed project is required? i.e. 0 feet; 10 feet; or ??? feet?
- Does DEM believe that the scope of the soil testing be extended beyond the current perimeters?

8. It is our understanding that NRF told Sage about the purported location of that laundry. Seems like a thorough examination of municipal records would have been more professional on Sage's part, wouldn't you agree?
9. Some believe that the number of bore holes tested were insufficient to analyze the true dimensions and toxicity of the entire property. Who will determine what is procedurally correct?
10. In addition to the dry cleaning facility, there was also an ARCO station on the corner of Mill and Spring. Landscaping volunteers from Trinity repeatedly cite finding oil and waste contaminants still in the soil after all these years.

- Did Sage investigate the existence of that ARCO station?
- How will DEM approach this?
- Does DEM even have jurisdiction there?

11. It is our understanding that the DEM will use a new internal procedure when analyzing QAS. Can you comment on this?

12. For the citizens of Newport, “open spaces”, especially historic ones, is of vital concern. Yet the NRF’s proposal to change QAS will result in an actual reduction in “open space”. Would this be philosophically inconsistent with DEM’s overall mission?

13. Does DEM believe that the scope of the soil testing should be extended beyond the current park perimeters?
14. Given that testing is expensive, how will DEM mandate that the city convey to Newport citizens that current efforts have been inadequate and more testing is needed?
15. Understanding that this is only speculation on DEM's part, what has been the effect on abutters' property values, in your experience, when home owners realize they're adjacent to a toxic waste site?

16. Do you have any examples of when a toxic waste site is exposed by DEM's investigations and injured parties (e.g. abutters) sue for damages (e.g. the city)?
17. If the QAS project were halted immediately, how would DEM classify the site?
18. Capping toxic sites and/or solid concrete capping have approximately a 50 year life span:
- Is there a long range site plan for management and funding for QAS toxic materials?
 - Who is writing the long term site remediation plan ?
 - Who is responsible long term? The city's taxpayers, NRF?

- Is there any money in the “endowment” for future testing
19. Does the DEM have any examples where **public** toxic sites in the state have returned to private ownership?
- What were their maintenance plans, short and long term and
 - Who paid the maintenance? Taxpayers?
20. Can the city legally “give” a known toxic site to a non profit? A homeowner cannot sell a house if it tests positive for Radon - it's against the law, so - how can the city endanger the public by a site that has far more dangerous chemicals than that.
21. What is the final authority on the legality of giving away toxic land? Did anyone call the EPA? There has to be a law against that. Or if they are going to do it, then some entity has

to ensure that the private party (NRF) will protect the public who are going to be using the site. Moreover, who even trusts the NRF?

Joseph Martella

From: [REDACTED]
Sent: Monday, April 02, 2012 12:43 PM
To: .Joseph Martella
Cc: [REDACTED]
Subject: Contamination in Queen Anne Square

My name is [REDACTED] I live in Newport. I have been a gardener at Trinity Church, Newport for 10 years. During that time, the iconic head gardener, Mary Alice Barker, told me that she had found soil in the oil on numerous occasions in the southeast area of the church yard (Spring and Mill Streets). She said a gas station had formerly been there.

In the Newport City Directory, The Old State House Service Station is listed there (Spring and Mill) for over 30 years. It is listed from at least 1941 to 1973.

Given the slope of the land there, it is reasonable for petroleum contaminants to be there.

[REDACTED]

Joseph Martella

From: [REDACTED]
Sent: Thursday, April 05, 2012 1:16 PM
To: Joseph Martella; Kelly Owens
Subject: ARCO station

Joe,

After the meeting Monday, a city counselor, Charlie Duncan, called me and said that the ARCO station at the corner of Mill St. and Spring, was torn down in the late 70's but he was certain that those gas tanks were never removed. He's been here for 40 years and is very knowledgeable about the town since he has a small printing shop not far from QAS.

If they were diligent Sage could have found this out through municipal records.

Joseph Martella

From: [REDACTED]
Sent: Thursday, April 12, 2012 2:51 PM
To: Kelly Owens; Joseph Martella
Subject: QAS

I just met with member of the Newport CC, Charlie Duncan, who vividly remember when the ARCO station on Spring and Mill was demolished and he's certain the gas tanks were never removed.

Public Comment

MEMO

TO: Joseph T. Martella II

FR: xxxxxxxxxxxxxxxx

DA: April 5, 2012

RE: Public Comments Relative to the Environmental Investigation of proposed Project at Queen Anne Square, Newport, RI

It is our understanding that the redesign of Queen Anne Square and the plans set forward for construction involve parts of the property belonging to Trinity Church, yet the testing that has already been conducted has revealed DEM action level contaminants, was limited only to the property owned by the City of Newport.

Given the fact that the redesign plans call for the excavation/removal and replacement of all the Belgium Block constituting Frank Street as well as the named brick pathways on Trinity property, construction of a Columbarium on Trinity property, and the removal and replacement of a utility shed where a foundation will need to be installed, it would be logical one does additional test borings in these locations given the two properties are contiguous in nature and one of them has shown action level contaminants.

There will also be the need for excavation on the Trinity property to accommodate plantings that are moving to their site from the City designated site. In fact I believe your Department has already been notified of a situation where during a transplant of garden material, petroleum laden soils were discovered on Trinity's property, yet to our knowledge the DEM has not notified the Church.

At the very least, we would expect the DEM to require environmental monitoring for contaminants/petroleum hydrocarbons during any

construction phase on Trinity property as well as City property to identify any release potential and exposure to the Public.

As an abutting neighbor to both sites, we are very concerned from an Environmental Health and Safety point of view as well as assuring future residents that our property, in the event of a sale, is compromised by environmental issues lingering at these sites.

In accordance with the RI Department of Environmental Management's Rules and Regulations for the Investigation and Remediation of Hazardous Materials, as amended November, 2011, section 7.07(A)iii, the CITY OF NEWPORT is collecting information about the conditions and environmental history at the site known as Queen Anne Square, Plat 24, lot 346, which may be useful in establishing the scope of investigation and the objectives for the environmental clean up of the site as necessary.

Although comments will be accepted at the meeting of April 2, 2012, from 5:30 pm to 7:30 pm, the comment period will remain open through 4pm on April 16, 2012 at which time the comment period will close. Written comments can be mailed to the following address:

Joseph T. Martella, II, Senior Engineer
RIDEM Office of Waste Management
235 Promenade Street
Providence, RI 02908

2012 APR -5 P 2:06

RECEIVED
D.E.M./OWM

Name:

Address:

Please provide written comments about the site and the environmental history of the site below:

Comments in regard to the meeting on April 3rd at Newport Library

I want the DEM to complete all tests necessary. However, most of the comments at the meeting were presented by Newport citizens opposed to the renovation of Queen Anne Square.

Please know there are many Newport citizens in favor of the renovation plans and look forward to the completion of the project. Unfortunately the most vocal have been opponents to the plan.

I urge DEM officials to proceed in their professional manner without letting the negative atmosphere affect the necessary work to be accomplished. And at the same time, I don't want the opponents' pressure to change the plans already approved and put into place

Thank you for kind attention to my comments.

If additional room is required please complete on back side or attach additional sheets. Thank you for the information that you have provided to us. We appreciate your input.

To: Joseph Martella

Re: Queen Anne Square

RECEIVED
D.E.M. / O.W.M.

2012 APR 10 P 1:49

Dear Sir:

First of all, I applaud the opportunity for people to provide you with historical information regarding the site. This is an excellent means of obtaining primary sources. The Sanborn maps are not and should not be conclusive. Anyone can make a map. I also don't like to see errors and misrepresentation.

I am very familiar with the area in question, having traversed it en route between home, school, and after-school jobs, shopping, wandering, since the 1950's.

At the corner of James and Mill St. stood an enormous, perhaps 8' x 6' x 1', neon sign, "EGANS"

(1)

This is important because neon requires the use of a power transformer. Power transformers contain(ed) p c b s. The sign was a landmark, visible from the harbor. It acted as a beacon when Trinity Church was invisible. The transformers would have been also enormous. All this equipment was vandalized and abandoned 1972-3. Egans would also have had much in the way of machinery as dry cleaning requires electrically powered racks, driers, fans, heat, etc. All of this machinery would have been non-chalantly bulldozed into the site when demolition finally occurred. The area was a complete wasteland for years.

Other neighboring businesses were Ryans Sporting Goods (south corner of Mill St., not relevant), Hertz Bros., (a newstand/tobacconist, ground floor Thames st. side mid-block, also probably not relevant;), and of course WALSH BROS. FURNITURE, which caught fire and made the area available for redevelopment.

Walsh Bros. was an enormous barn-like structure, ~~which~~ I can not verify, but in all certainty; ^{it} contained fluorescent fixtures, as any industrial, showroom, or educational or institutional space would. Also in all certainty a freight elevator. Due to the fire all of this would have been unceremoniously bulldozed and incorporated into the site by the lowest bidder. Do Elevators require transformers? ~~I~~ I can't say. Fluorescent lights contain

a device called a ballast, which contains PCBs. Due to the fire very incomplete scrapping of materials would have occurred. Also, the acres of lead paint on the century-old structure would have become incorporated into the soil at the site.

I am not a partisan in the case, but feel that the statement by Roos " ... it is generally agreed that PCBs are not a relevant factor in the space is either naive OR negligent. Because the history of the area is one of industrial use rather than the benign-seeming retail and residential pattern ^{the maps might show}

The PCB issue should be more carefully explored. I suspect that the subsoil will reveal more.

Mr. Joseph Martella
RI DEM
By Fax: 222-3812

April 18, 2012

Dear Mr. Martella,

I have written to you before about the issues with contamination at Queen Anne Square. I live and work at 32 and 28 Church St. I observed the entire process of environmental testing in the Square. The test borings were not made in the locations that were shown on the engineers drawing. No test borings at all were done in the areas designated for fake foundations. These are the areas in which digging will take place.

In addition, the proposed alterations to Queen Anne Square also call for digging on the property currently owned by Trinity Church. No testing whatsoever has been done on the Trinity Church Property.

The changes there include digging a foundation for a "Columbarium" (a high rise burial crypt with lock boxes for human ashes) that will surround the existing, historic church yard.

Since the historic burial ground is very old, and many of the tombstones have been damaged, displaced or are missing altogether, it seems likely that human remains will be dug up when this foundation is dug.

In addition, there is to be a new structure built in the Trinity parking lot area that will house the electric service, pump house and filter house for the installation on the city's property. Obviously trenches will be dug from this structure to each of the fake foundations and to each lighting fixture in the rest of the Square. These trenches will run through contaminated soil.

No testing has been done in the area of the proposed Columbarium, or the electric, pump and filter house or in the areas of the service trenches.

I am fervently hoping that DEM will look into these matters.

Sincerely Yours,

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RECEIVED APR 06 2012



THE CITY OF NEWPORT, RHODE ISLAND - AMERICA'S FIRST RESORT
DEPARTMENT OF PUBLIC SERVICES

William R. Riccio, Jr., P.E.
Director

Mr. Bruce W. Clark, Principal
Sage Environmental
172 Armistice Boulevard
Pawtucket, RI 02860

April 5, 2012

Subject: Queen Anne Square – Public Meeting 4-2-12
Transmittal of Written Comments

Dear Mr. Clark:

Attached are two original documents that represent written comments that were received during the April 2, 2012 meeting from Ms. Frankie Hutton and Mr. Laurence S. Cutler for your records and for your use in preparing the meeting documentation package for forwarding to the RIDEM. I will forward the official transcript upon receipt under separate cover. If you require additional information, please do not hesitate to contact me at your convenience.

Sincerely,

William R. Riccio, Jr., PE

Attachments

xc: file.

In accordance with the RI Department of Environmental Management's Rules and Regulations for the Investigation and Remediation of Hazardous Materials, as amended November, 2011, section 7.07(A)iii, the CITY OF NEWPORT is collecting information about the conditions and environmental history at the site known as Queen Anne Square, Plat 24, lot 346, which may be useful in establishing the scope of investigation and the objectives for the environmental clean up of the site as necessary.

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Joseph T. Martella, II, Senior Engineer
RIDEM Office of Waste Management
235 Promenade Street
Providence, RI 02908

Name: Frankie Hutton

Address: 25 Catherine, Newport

Please provide written comments about the site and the environmental history of the site below:

I have been a gardener at Trinity Church for 10
years. The iconic head gardener, Mary Alice Barber,
told me she found oil in the soil in the churchyard
in the SE corner (Spring and Mill St.) She said a
gas station had formerly been there. The City
Directory of Newport lists the Old State House

If additional room is required please complete on back side or attach additional sheets. Thank you for the information that you have provided to us. We appreciate your input.

Service Station as being there for
over 30 years - at least from 1941 to
1973.

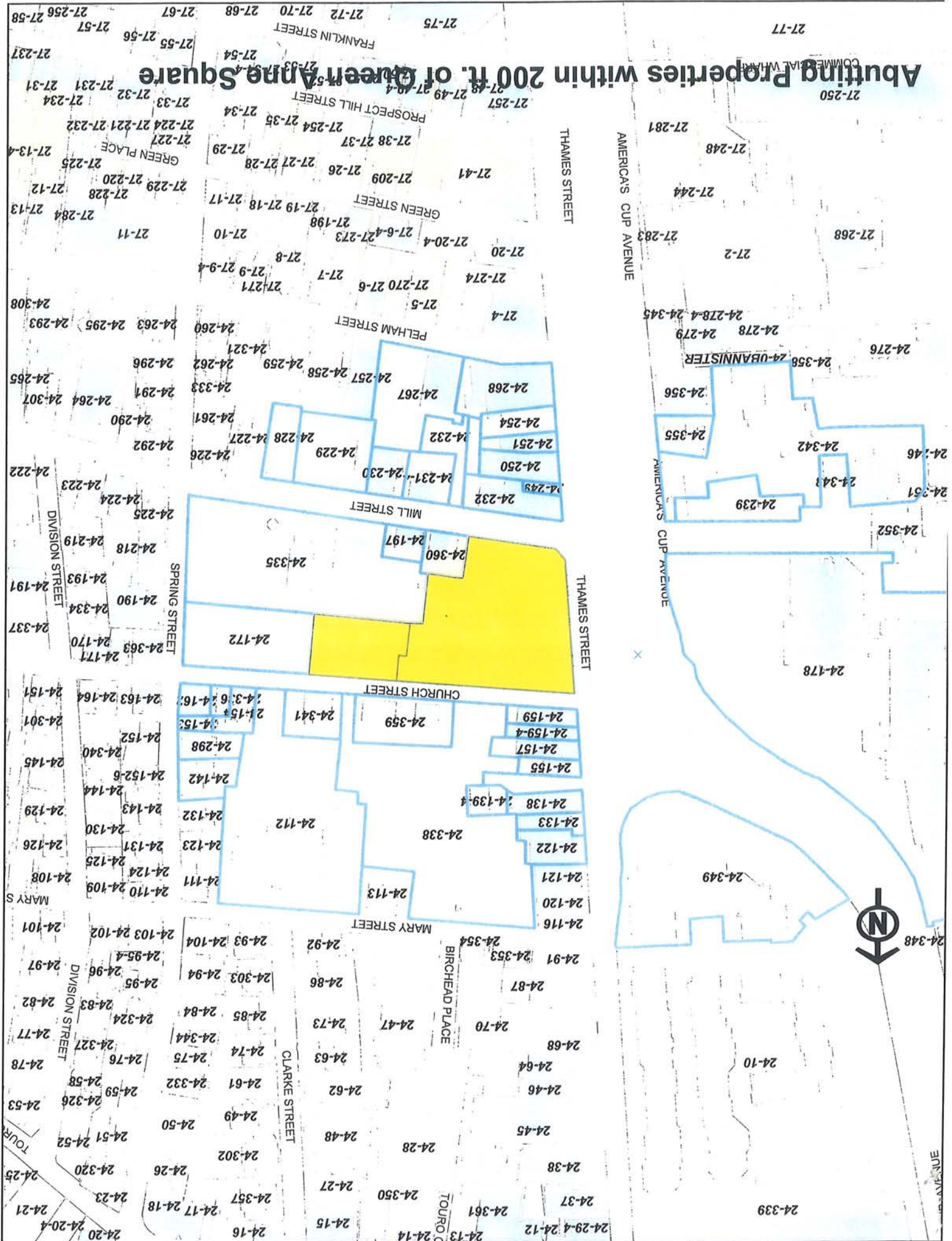
Given the slope of the land it is
reasonable for petroleum contaminants to
be in Queen Anne Square.

Semper Eadem, John Hattendorf

History of Trinity Church

p. 320

Abutting Properties within 200 ft. of Green Anne Square





*The Trinity Church neighborhood, c. 1973.
To the south of the church, the Atlantic Richfield gas station stands on the corner
of Spring and Mill Streets. West of it stands Honynan Hall. Further to the west
stands the chimney of Egan's Laundry and other commercial buildings leading
down to Thames Street. The Alexander Hamilton Rice House stands on the south
side of Church Street.*

The National Museum of American Illustration



LAURENCE S CUTLER AIA RIBA
Chairman/CEO

VERNON COURT ■ 492 BELLEVUE AVENUE ■ NEWPORT RHODE ISLAND 02840 ■ USA
T: 401.851.8949 ext. 10 F: 401.851.8974 E: LCUTLER@AMERICANILLUSTRATION.ORG
WWW.AMERICANILLUSTRATION.ORG

In accordance with the RI Department of Environmental Management's Rules and Regulations for the Investigation and Remediation of Hazardous Materials, as amended November, 2011, section 7.07(A)iii, the CITY OF NEWPORT is collecting information about the conditions and environmental history at the site known as Queen Anne Square, Plat 24, lot 346, which may be useful in establishing the scope of investigation and the objectives for the environmental clean up of the site as necessary.

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Joseph T. Martella, II, Senior Engineer
RIDEM Office of Waste Management
235 Promenade Street
Providence, RI 02908

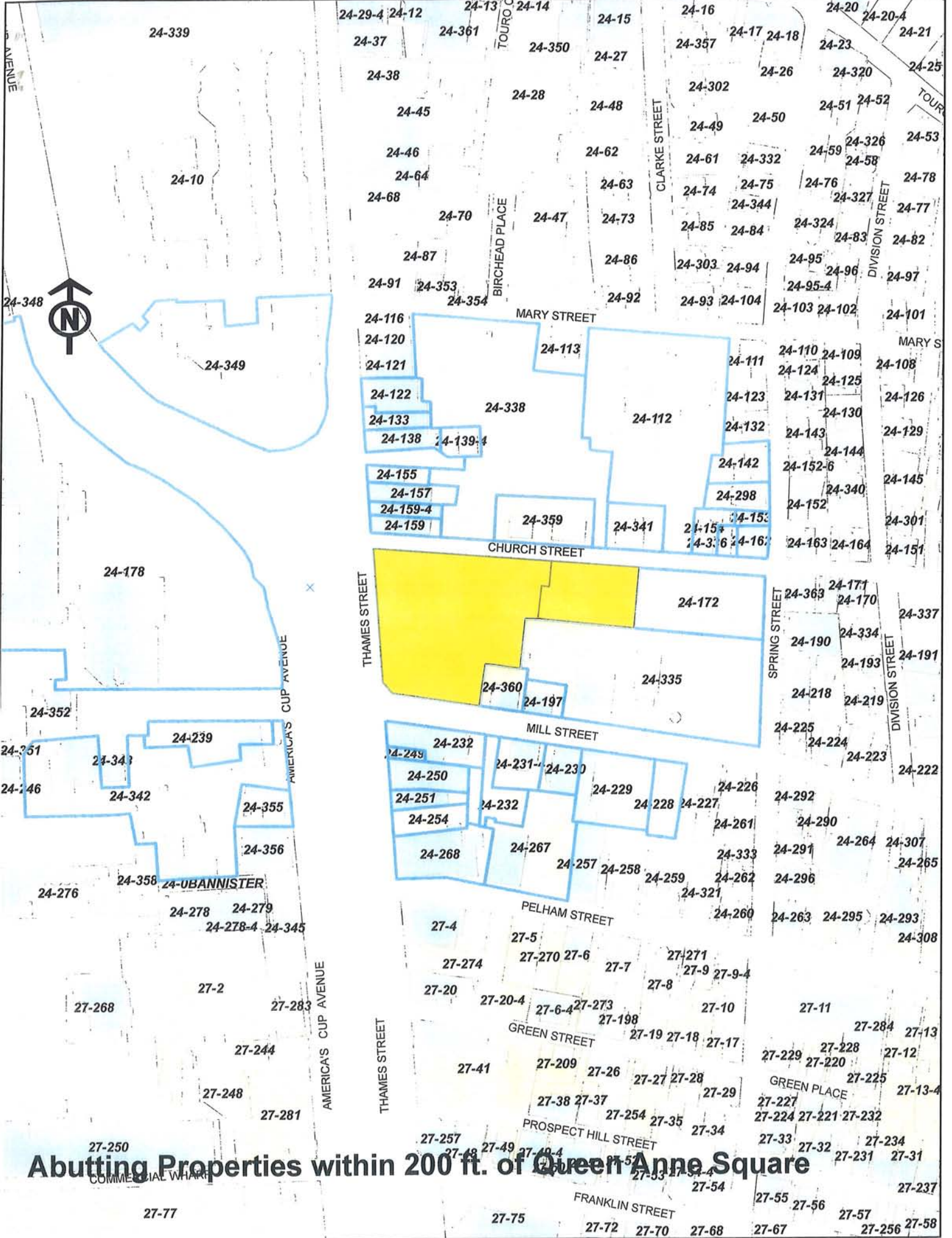
Name: _____

Address: _____

Please provide written comments about the site and the environmental history of the site below:

LAURENCE S. CUTLER
Kernan Court at 492 Belknap Ave
Newport
(401) 851-8949
LCutler@americanillustration.org

If additional room is required please complete on back side or attach additional sheets. Thank you for the information that you have provided to us. We appreciate your input.



Abutting Properties within 200 ft. of Queen Anne Square

COMMERCIAL WHARF

**Rhode Island Department of Environmental Management
Hazardous Material Hearing, 5:30pm, on April 2, 2012 at
Newport Public Library**

Re: Pollution and Queen Anne Square Site

Introduction:

I am Laurence Cutler and my wife Judy and I are tax-paying residents of Newport. We reside at *Vernon Court* on Bellevue Avenue. I am a Registered Architect and Urban Designer. At one time, I personally Directed a number of Environmental Impact Statements as a consulting professional services firm called ECODESIGN for the General Services Administration, including the City of Newburyport, Mass., and the John F. Kennedy Presidential Library and others. I am Co-Founder of the National Museum of American Illustration and the Frederick Law Olmsted Park, and have served my City, Newport as Head Commissioner of the Cliff Walk Commission.

I am an opponent of the Queen Anne Square proposed Maya Lin redesign of this property for a variety of reasons, but my sole interest this evening is dealing with the Hazardous Materials issues. In particular, the procedures undertaken thusfar in evaluating samples taken and those procedures not taken because other boring studies were not taken from several critical areas above the proposed study area, the defined project site, from its **neighboring sites, which are all within the confines of what is commonly known as 'Queen Anne Square.'**

I emphasize the abutting sites because this must be considered as one parcel, including the Eastern portion for there were past uses there which could have contaminants as well which may be

unleashed with construction activities on both large areas of QAS.

SITE PLANS:

A). Existing Non-Polluting Bldgs and

B). Possible Pollution Sources

C). Diagram of Sage Study Area

It is my understanding that after the first round of Sage's samplings, there was digging by NRF or someone else in respect of moving rose bushes and the like above the study area, and that Petroleum Hydrocarbons were encountered in the soil there. This should have and may have been reported to DEM, but my points are:

1). I believe that no digging of any soil in this vicinity should have taken place after the study area was designated until the extent of contamination was defined by Sage's engineers and technicians.

2). If Petroleum Hydrocarbons were encountered, then DEM should have been notified, regardless of whose property they were discovered upon. It is my understanding that Trinity Church along with NRF support are together undertaking the removal of brick sidewalks and the roadway to construct a Columbarium and make other landscape improvements, and that whole Eastern area should have absolutely been included in the original study area, not just the immediate area around the proposed fake building foundations, per se. And if indeed this Columbarium project is a fact, then the DEM with Sage should look carefully into gathering additional information and opine upon its status for it may also affect the site downhill from it. I am not an engineer, but I believe that this is critical to our mutual areas of interest in QAS. As citizens, we all have the right to know such information and the final determinations.

3). Is it a DEM regulation that all construction workers, landscape gardeners, designers, artists, administrators and their staff, and other related parties, who may be onsite during the

construction period, are required to take the 40 hour OSHA Health and Safety Training Program, and if so, how is such implemented?

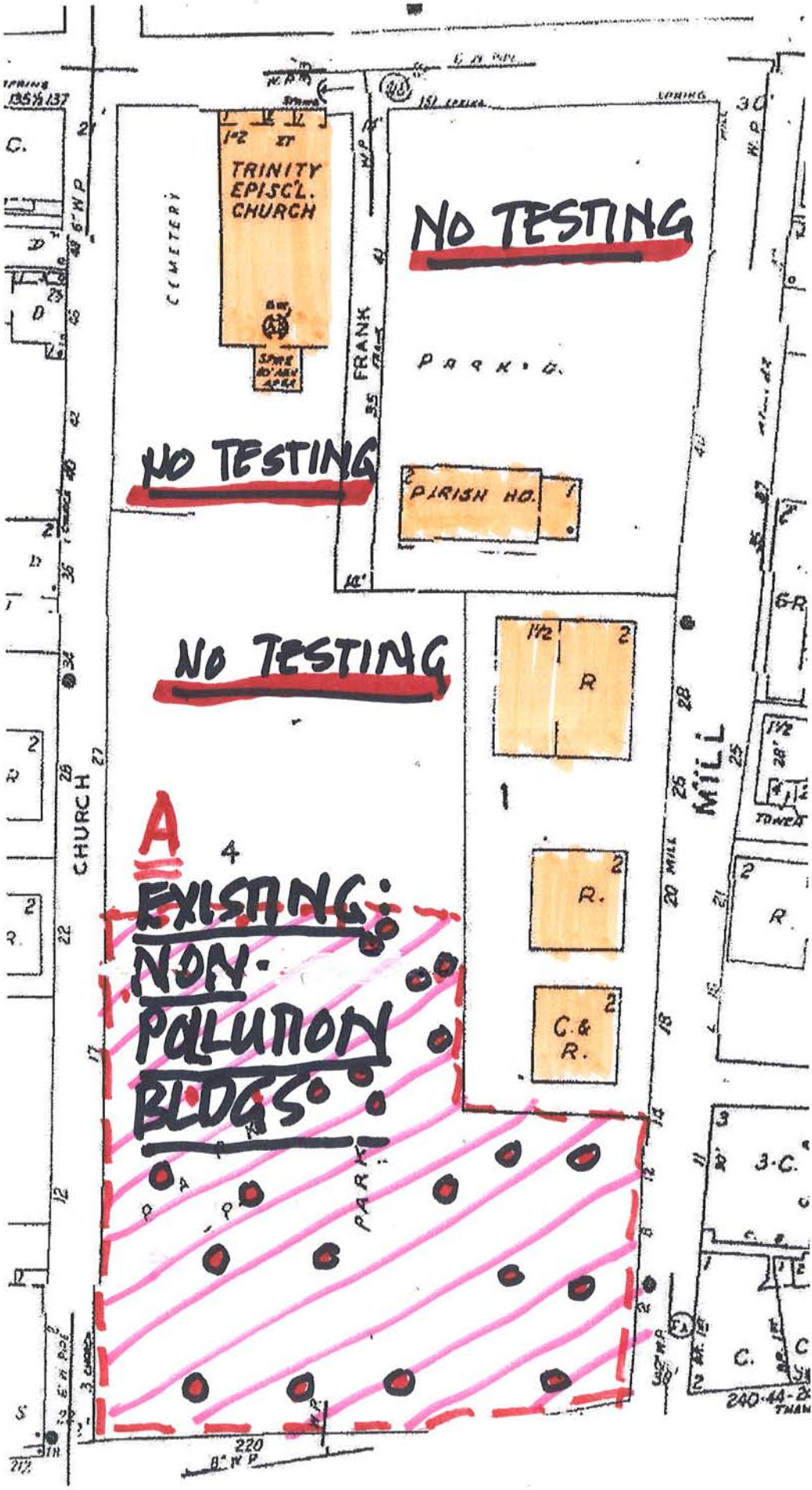
As I understand it, there are enough trace amounts of chemical cleaning solvents to warrant further testing. And, I was pleased to learn that more testing is indeed outlined in Sage's next scope of work requested by DEM as shown on their website. However, we citizens do not believe enough testing has been done to make a *definitive declaration* regarding this entire site right now, or the adjacent land area above the current study area.

The findings thusfar indicate that there are five different contaminates which definitely warrants more large scale testing and analysis to discover whether these contaminants are indeed on site, including PolyChlorinated Biphenold, aka as PCB's which has not been tested for at all. There are five compounds which were found that exceed DEM limits, but by capping them solely on the NRF site, does not preclude the damaging effects of these contaminants from the Eastern side abutting site. Fires have taken place on lots of sites which is the usual reason for such findings, but this site exceeds DEM standards by far and is so important to this community that more testing in the other abutting areas should take place.

I am particularly cautious about PCBs for I have a son who contracted Acute Lymphocytic Leukemia when he was seven, which we think came from an electrical transformer leaking PCBs between my house and a neighbor in Newton, Mass. This is the reason I noticed immediately that PCBs were not even tested for. The neighbor's son also was diagnosed with ALL and he died at 15 years of age, my son survived. I do not want to see anything like this happen in this community due to Hazardous Materials on this

or the balance of the site, just because an imaginary property line separates it from other deeded rights, and all because of a project like the one proposed for this site, something we do not need in any case.

Hazardous Materials and Concentrations: Lead (528-799 vs. I/C Std. of 500); TPH (13,200 vs. I/C Std. of 2500); Benzo[a]pyrene (860-8,900 vs. I/C Std. of 800); Benzo[a]anthracene (9,700-11,000 vs. I/C Std. of 7,800); Benzo[b]fluoranthene (10,000-11,000 vs. I/C Std. of 7,800); Dibenz[a,h]anthracene (910-1,800 vs. I/C Std. of 800);
Extent of Contamination: Sporadic throughout site; planned improvement activities will likely incorporate a variety of capping strategies to prevent human interaction with impacted soils

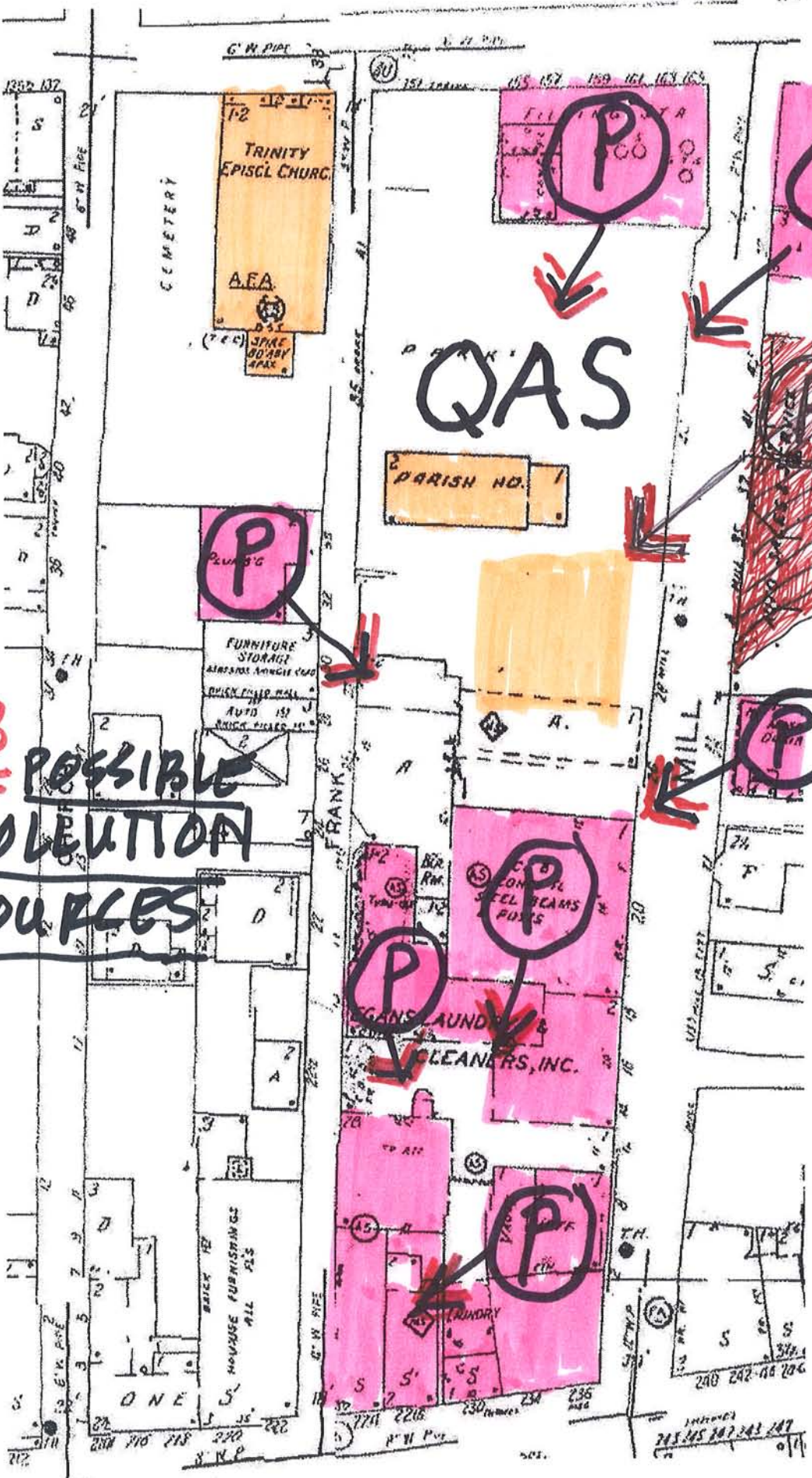


2012

1990

1963

B
POSSIBLE
POLEUTION
SOURCES



T.H. 111 225 227

ATTACHMENT 3



SAGE
ENVIRONMENTAL

**PHASE I
ENVIRONMENTAL SITE ASSESSMENT**

**Queen Anne Square
Assessor's Plat 24 Lot 346
Newport, Rhode Island**

Prepared for:

**Mr. Pieter Roos, Executive Director
Doris Duke Monument Foundation
51 Touro Street
Newport, Rhode Island 02840**

Prepared by:

**SAGE Environmental, Inc.
172 Armistice Boulevard
Pawtucket, Rhode Island 02860**

SAGE Project #S2244

January 2012

172 Armistice Blvd.
Pawtucket, Rhode Island 02860
401-723-9900
FAX 401-723-9973
www.sageenvironmental.net



SAGE
ENVIRONMENTAL

January 31, 2012

Mr. Pieter Roos, Executive Director
Doris Duke Monument Foundation
51 Touro Street
Newport, Rhode Island 02840

RE: Phase I Environmental Site Assessment
Queen Anne Square
Assessor's Plat 24 Lot 346
Newport, Rhode Island
SAGE Project No. S2244

Dear Mr. Roos:

Per your request, *SAGE* Environmental, Inc. has completed a Phase I Environmental Site Assessment of the referenced property. The results of assessment activities follow in this report.

Should you have any questions pertaining to this information, please do not hesitate to contact the undersigned. We appreciate the opportunity to have provided our services.

Sincerely,
SAGE Environmental, Inc.

Jeffrey D'Arrigo
Environmental Scientist

Bruce W. Clark
Principal

JD/BWC:car

Attachment

172 Armistice Blvd.
Pawtucket, Rhode Island 02860
401-723-9900
FAX 401-723-9973
www.sageenvironmental.net



SAGE
ENVIRONMENTAL

January 31, 2012

Mr. Pieter Roos, Executive Director
Doris Duke Monument Foundation
51 Touro Street
Newport, Rhode Island 02840

RE: Phase I Environmental Site Assessment
Queen Anne Square
Assessor's Plat 24 Lot 346
Newport, Rhode Island
SAGE Project No. S2244

Dear Mr. Roos:

SAGE Environmental, Inc. (SAGE) has completed a Phase I Environmental Site Assessment of the referenced property (Site or subject property). This assessment was performed with consideration to standard industry practice and the American Society for Testing and Materials (ASTM) E-1527-05 site assessment standard entitled "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process". The results of assessment activities follow in this report. Our findings are presented below.

During assessment of the Site, recognized environmental conditions (RECs), as defined by ASTM, were noted as follows:

- Former dry cleaning facilities (City Steam Laundry, Mill Street Laundry, and Egan's Laundry and Cleaners) formerly occupied a portion of the southern half of the Site;
- The easterly abutting property to the Site, Trinity Church, is a documented leaking underground storage tank (LUST) site according to the Rhode Island Department of Environmental Management (RIDEM). A tank closure inspection report prepared by Daniel Russell of RIDEM in 1993 noted approximately one yard of oil-impacted shale and soil which was drummed and slated for off-Site disposal. Mr. Russell noted that groundwater was not encountered during tank removal activities. As such, no groundwater sampling or analysis was conducted at the time, and therefore, the potential, albeit remote, exists for objectionable impact to the subject Site from this LUST property;
- Several additional off-Site properties of potential environmental concern were identified and include a portion of Egan's Laundry and Cleaners formerly located east of the Site and a former service station located southeast of the Site at the corner of Spring and Mill Streets.

172 Armistice Blvd.
Pawtucket, Rhode Island 02860
401-723-9900
FAX 401-723-9973
www.sageenvironmental.net

Based on information obtained during the course of this assessment, the potential exists for objectionable impact to have occurred to the Site from these RECs. *SAGE* recommends that subsurface soil and groundwater at the property be evaluated for the presence of potential contaminants of concern associated with these past use(s) via the performance of a Limited Subsurface Investigation.

Should you have any questions pertaining to this information, please do not hesitate to contact either of the undersigned. We appreciate the opportunity to have provided our services.

Sincerely,
SAGE Environmental, Inc.

Jeffrey D'Arrigo
Environmental Scientist

Bruce W. Clark
Principal

JD/BWC:car

Attachment

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HISTORIC MAP APPENDIX

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FIRSTSEARCH APPENDIX

Queen Anne Square
Assessor's Plat 24 Lot 346, Newport, RI
January 2012

APPENDIX C COPIES OF RIDEM FILE INFORMATION

QUESTIONNAIRE APPENDIX

DRAFT

1.0 INTRODUCTION

1.1 Purpose

This environmental assessment was conducted in an effort to evaluate whether a recognized environmental condition (REC) as defined by the American Society for Testing and Materials (ASTM) is present at the subject property identified on the City of Newport Assessor's Plat 24 as Lot 346 in Newport, Rhode Island (Site or subject property). Pursuant to ASTM E-1527, a REC is defined as "the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies."

1.2 Assessment, Scope, Terms, Conditions and Limitations

This assessment was performed by *SAGE* Environmental, Inc. (*SAGE*) following standard industry practice and with consideration to the ASTM E-1527-05 site assessment standard entitled "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process."

The primary purpose of this study was to document the inquiry of the environmental professional for all appropriate inquiries for the subject property. Specifically, this document is intended to provide the "all appropriate inquiries" for the purposes of CERCLA Section 101(35)(B). Such is applicable to persons seeking to qualify for (i) the innocent landowner defense pursuant to CERCLA Sections 101(35) and 107(b)(3); (ii) the bona fide prospective purchaser liability Management pursuant to CERCLA Sections 101(40) and 107(r); and, (iii) the contiguous property owner liability Management pursuant to CERCLA Section 107(q). This report was not intended as part of the site characterization and assessment with use of a grant awarded under CERCLA Section 104(k)(2)(B). More specifically, the scope is intended to identify conditions indicative of releases or threatened releases of hazardous substances on, at, in, or to the subject property.

Any exceptions to or deletions from this practice are described in **Section 6.0** of this report. The investigation included performance of the following tasks:

1. A field investigation, including a limited visual surficial inspection of the Site, and cursory inspection of abutting properties, was conducted by *SAGE*.
2. The following agencies and/or individuals were contacted and inquiries were made in reference to past ownership, complaints, or violations concerning the environmental quality of the Site.
 - The Newport Assessor's Office
 - The Newport Building Department
 - The Newport City Clerk's Office
 - The Newport Fire Department
 - FirstSearch Technology Corporation
 - The Rhode Island Department of Environmental Management (RIDEM)
 - Mr. Pieter Roos, Site Contact

Inherent limitations relative to this practice are contained in the limitation section of this report and ASTM standard E-1527 entitled "Environmental Site Assessments for Commercial Real Estate."

2.0 SITE DESCRIPTION

2.1 Site Location and Parcel Legal Description

This investigation was performed of the Site identified as Lot 346 on Newport Assessor's Plat 24 in Newport, Rhode Island. The approximate center of the Site is located at 41° 29' 15" north latitude and 71° 18' 51" east-west longitude. A Site Location Map identifying the Site on a portion of the "Newport, Rhode Island Quadrangle" United States Geological Survey (USGS) topographic map is included as **Figure 1**. A Plat Plan depicting the Site on the City of Newport Tax Assessor's Plat No. 24 as Lot 346 is included as **Figure 2**. According to the Newport Tax Assessor's Office, the Site consists of 1.75 acres of land.

2.2 Site and Vicinity Characteristics

According to the information obtained from the Vision Appraisal on-line database, the Site is zoned "GB" – General Business. A copy of the property record card is included in **Appendix A**.

Surrounding properties are zoned "GB" and "WB" – Waterfront Business. Abutting property use is summarized in **Table 1**.

Table 1
Abutting Land Usage
Assessor's Plat 24 Lot 346
Newport, Rhode Island

Plat	Lot	Usage	Orientation
24	159, 338, 359	Small commercial, residential	North
	232, 231-4	Small commercial, Residential	South
	188	Park	East
	360, 335, 172	Church and associated buildings	East
	178	Waterfront	West

2.3 Site Description

The Site is developed as Queen Anne Square park and consists of grass-covered areas, brick walkways and small landscaped areas.

2.4 Reported User Information Regarding Environmental Liens

There was no information reported over the course of this investigation by "users" with respect to environmental liens pertaining to the Site. Users are defined by ASTM as "the party seeking to use Practice E-1527 in the environmental site assessment process."

2.5 Current Uses of the Property

The Site is currently vacant of any structures.

2.6 Past Uses of the Property

Research regarding historical land usage of the Site and surrounding properties was conducted using data requested from the following agencies:

- The Newport Assessor's Office
- The Newport Building Department
- The Newport City Clerk's Office
- The Newport Fire Department
- FirstSearch Technology Corporation
- The Rhode Island Department of Environmental Management (RIDEM)
- Mr. Pieter Roos, Site Contact

Historical data obtained during these reviews is summarized in the sections that follow.

2.6.1 Tax Assessor's Office

Ownership of the Site was reviewed for the purposes of land use determination at the City Assessor's Office. Information obtained at the City of Newport Tax Assessor's Office indicates that Lot 346 was created in 1973 from Lot 328. Portions of Lot 197 and Lot 360 were formed from lot 346 in 1978. Lot 346 was combined with lot 175, 176, 184, 186, 177, 182, 208, 312, 185, 328 in 1981. Historical ownership information for the Site, back to the earliest reference in the Assessor's Office's files, is summarized in **Table 2.**

Table 2
Ownership Chronology
Assessor's Plat 24 Lot 346
Newport, Rhode Island

Grantee	Date of Acquisition	Book/Page
Lot 328		
John J. Egan	8/9/45	Not available
Egan's Peerless Laundry and Cleaners, Inc.	1/8/46	159/298
A portion of Lot 316 is added to Lot 328	1947	Not applicable
Egan's Peerless Laundry and Cleaners, Inc.	11/5/47	165/542
Brownstone Realty Corporation	9/1/50	173/506
Egan's Laundry and Cleaners, Inc.	1/25/55	186/364
Small portion of Lot 328 added to Lot 197 - Corporation of Trinity Church, Newport, RI	6/26/58	196/137-138
Marion P. Egan (portions from Lots 198, 198.5, 199, 199.5, 200, 214, 215, 311 and 316 were added to Lot 328)	11/9/62	207/452
A portion of Lot 197 added to Lot 328	1971	Not applicable
Egan, John J. et us et als - a portion of Lot 328 to new Lot 346	9/27/73	240/19
The Redevelopment Agency of Newport, RI	12/31/75	245/451-455
The Redevelopment Agency of Newport, RI	5/10/77	264/64-67
Remainder of lot added to 346	1981	Not applicable
Lot 346		
The Redevelopment Agency of Newport, RI	1975	245/451-455
Portion of Lot 346 added to Lot 197 - Trinity Church, Newport, RI	4/26/77	263/113
Newport Restoration Foundation	10/2/78	286/630
Portion of Lot 346 added to new Lot 360	1978	Not applicable
Portions added to Lot 346 from Lots 175, 176, 184, 186, 177, 182, 208, 312, 185, 328	1981	Not applicable
City of Newport	1981	304/944

2.6.2 City Clerk's Office

The Newport City Clerk's Office was contacted for the purposes of obtaining information on underground storage tanks (USTs) and/or hazardous materials storage. A representative of the Clerk's Office stated that no files are on record for the subject Site.

2.6.3 Building Department

SAGE personnel attempted to review information relative to the Site at the Newport Building Department. Building Department personnel indicated that records are maintained based on street address and as no street address is assigned to the Site, Building Department files were deemed unascertainable.

2.6.4 Water Department

The Newport Water Department was contacted in an effort to obtain information relative to the Site. Water Department personnel indicated that the municipal water system supplies water to the spigot in a landscaped area. Water service was reportedly made available to the Site and surrounding area circa 1900. Municipal sewer has reportedly also been available in area since the late 1800's.

2.6.5 Aerial Photography

An aerial photograph of the Site dated 2006 was obtained from the Rhode Island Geographic Information System (RIGIS) database. This photograph, included as **Figure 4** of the **Figures Appendix**, depicts the Site in its current configuration. Surrounding properties appear to be consistent with current conditions.

2.6.6 Historic Map Review

An inquiry was made to FirstSearch Technology Corporation (FirstSearch) concerning historic map coverage of the subject property. FirstSearch maintains a library of Sanborn and other maps which mapped historical property uses for fire insurance purposes. A summary of maps provided is included in **Table 3**. Copies of the maps are included in the **Historic Map Appendix**.

Table 3
Historic Map Summary
Assessor's Plat 24 Lot 346
Newport, Rhode Island

Date	Description
1844	The Site, which is divided east to west by Frank Street, is developed with several structures. The southern portion of the Site is developed with what appears to be a restaurant, shoemaker, dwellings, drugstore, ice cream and candy shops, grocery store, and plumber. The northern portion of the Site appears to consist of dwellings, a stove repair and tin shop, hat and clothing company, and a stoves and crockery shop. Abutting properties to the north appear to be occupied by dwellings and small commercial businesses. Abutting properties to the east appear to be occupied by a church, dwellings, stables, a public school, plumber, locksmith and fire engine house. Areas to the south and west were not depicted on this map.
1891	The Site, which is divided east to west by Frank Street, is developed with several structures. The southern portion of the Site is developed with what appears to be a shoemaker, dwellings, drugstore, ice cream and candy shops, grocery store, plumber and a structure identified as "painted". The northern portion of the Site appears to consist of dwellings, a stove repair and tin shop, hat and clothing company, and a stoves and crockery shop. Abutting properties to the north appear to be occupied by dwellings and small commercial businesses. Abutting properties to the east appear to be occupied by a church, dwellings, a public school, plumber, locksmith and repair shop. Areas to the south and west were not depicted on this map.
1896	The Site, which is divided east to west by Frank Street, is developed with several structures. The southern portion of the Site is developed with what appears to be dwellings, drugstore, florist, grocery store, bake house, plumber and structures that appear to be related to City Steam Laundry. The northern portion of the Site appears to be occupied by dwellings, a stove repair and tin shop, and small commercial stores. Abutting properties to the north appear to consist mainly of dwellings and small commercial businesses. Areas to the east appear to be occupied by a church, dwellings, a public school, plumber, paint shop, furniture store and barns. Areas to the south and west were not depicted on this map.
1903	The Site, which is divided east to west by Frank Street, is developed with several structures. The southern portion of the Site is developed with what appears to be several small commercial stores, structures identified as club rooms, a portion of Mill Street Steam Laundry, a plumber and drug store. It appears that steam boilers are present on this portion of the Site. The northern portion of the Site appears to be occupied by dwellings, a tin shop and small commercial stores. Areas to the north appear to be occupied by dwellings and small commercial businesses. Abutting properties to the east appear to be occupied by the remainder of Mill Street Steam Laundry, a church, dwellings, a public school, plumber, paint shop, and barns. Abutting properties to the south and west appear to be occupied by small commercial business.
1921	The Site, which is divided east to west by Frank Street, is developed with several structures; however, only owners of the lots are identified on this map, not the use of the property. The easterly abutting property is identified as a church. Abutting properties to the south, north and west are developed; however, their use is not identified.
1950	The Site, which is divided east to west by Frank Street, is developed with several structures. The southern portion of the Site is occupied by what appears to be several small commercial stores and a portion of Egan's Laundry and Cleaners, Inc. A rectangular-shaped structure is identified as "vault". The northern portion of the Site appears to be occupied by dwellings, and small commercial stores. Abutting properties to the north appear to consist mainly of dwellings and small commercial businesses. The easterly abutting property is occupied by the remainder of Egan's Laundry and Cleaners, Inc., a church, dwellings, a storage building, and plumber. A large gasoline filling station with five underground storage tanks is located approximately 300 feet from the property at the corner of Spring and Mill Streets. Abutting properties to the south and west appear to be developed with small commercial businesses.
1953	The Site, which is divided east to west by Frank Street, is developed with several structures. The southern portion of the Site is occupied by what appears to be several small commercial stores, a portion of Egan's Laundry and Cleaners, Inc., and a rectangular-shaped structure identified as "vault". The northern portion of the Site appears to be occupied by dwellings, and small commercial stores. Abutting properties to the north appear to consist mainly of dwellings and small commercial businesses. The easterly abutting property is occupied by the remainder of Egan's Laundry and Cleaners, Inc., a church, dwellings, a storage building, and plumber. A large gasoline filling station with five underground storage tanks is located approximately 300 feet from the property at the corner of Spring and Mill Streets. Abutting properties to the south and west appear to be developed with small commercial businesses.
1963	The Site, which is divided east to west by Frank Street, is developed with several structures. The southern portion of the Site is occupied by what appears to be several small commercial stores, a portion of Egan's Laundry and Cleaners, Inc., and a rectangular-shaped structure identified as "vault". The northern portion of the Site appears to be occupied by dwellings, and small commercial stores. Abutting properties to the north appear to consist mainly of dwellings and small commercial businesses. The easterly abutting property is occupied by the remainder of Egan's Laundry and Cleaners, Inc., a church, dwellings, a storage building, and plumber. A large gasoline filling station with five underground storage tanks is located approximately 300 feet from the property at the corner of Spring and Mill Streets. Abutting properties to the south and west appear to be developed with small commercial businesses.
1968	The Site, which is divided east to west by Frank Street, is developed with several structures. The southern portion of the Site is occupied by what appears to be several small commercial stores, a portion of Egan's Laundry and Cleaners, Inc., and a rectangular-shaped structure identified as "vault". The northern portion of the Site appears to be occupied by dwellings, and small commercial stores. Abutting properties to the north appear to consist mainly of dwellings and small commercial businesses. The easterly abutting property is occupied by the remainder of Egan's Laundry and Cleaners, Inc., a church, dwellings, a storage building, and plumber. A large gasoline filling station with five underground storage tanks is located on the corner of Spring and Mill Streets. Abutting properties to the south and west appear to be developed with small commercial businesses. Areas to the south and west appear to be developed with small commercial business.
1972	The Site, which is divided east to west by Frank Street, is developed with several structures. The southern portion of the Site is occupied by what appears to be several small commercial stores, a portion of Egan's Laundry and Cleaners, Inc., and a rectangular-shaped structure identified as "vault". The northern portion of the Site appears to be occupied by dwellings, and small commercial stores. Abutting properties to the north appear to consist mainly of dwellings and small commercial stores. Abutting properties to the north appear to consist mainly of dwellings and small commercial businesses. The easterly abutting property is occupied by the remainder of Egan's Laundry and Cleaners, Inc., a church, dwellings, a storage building, and plumber. A large gasoline filling station with five underground storage tanks is located on the corner of Spring and Mill Streets. Abutting properties to the south and west appear to be developed with small commercial businesses.
1990	All structures have been razed from the Site, and the Site is now developed as a park. Abutting properties to the east are developed with structures identified as R and C, a parish house and a church/cemetery. The large filling station on the corner of Mill and Spring Streets has also been razed and replaced by a parking lot.

2.6.7 Historical Address Directories

Historical address directories were not reviewed during the course of this assessment.

2.6.8 Historical Landuse Narrative

According to information made available during the course of this assessment, the Site was developed prior to 1844. At that time, the Site, which is divided east to west by Frank Street, was occupied by a restaurant, shoemaker, dwellings, drugstore, ice cream and candy shops, grocery store, and plumber (south of Frank Street) and dwellings, a stove repair and tin shop, hat and clothing company, and a stoves and crockery shop (north of Frank Street). From at least 1896, a portion of the southern part of the Site was occupied by City Steam Laundry, Mill Street Laundry in 1903 and Egan's Laundry and Cleaners, Inc. from at least 1950 through 1972. As of 1990, all structures had been razed, and the Site is now developed as a park.

3.0 RECORDS REVIEW

3.1 Fire Prevention Office

SAGE personnel contacted the Newport Fire Prevention Office in an effort to obtain information pertaining to storage and possible releases of oil and/or hazardous materials (OHM) at the Site. As of the writing of this report, no response to *SAGE*'s inquiries had been received by the Fire Department.

3.2 Previous Environmental Investigations

No documents summarizing previous environmental investigations of the Site were provided during *SAGE*'s assessment of the Site. *SAGE*, however, was provided with a copy of a December 7, 2011 email to Robert Foley which provides anecdotal evidence that #4 or #5 oil and benzene tanks were once present at the Site and that they were removed at one point in time. A copy of this letter is included as **Appendix B**.

3.3 Radius Search for Properties of Environmental Concern

SAGE conducted a radius search review of surrounding geo-coded properties of potential environmental concern, as outlined in ASTM E-1527-05 guidelines, utilizing software developed by FirstSearch. Due to the highly urban nature of the Site vicinity, the radius

for State-listed sites and leaking underground storage tank (LUST) sites was reduced to ¼ mile. Sites identified within the designated ASTM search radii are summarized in **Table 4**. The FirstSearch report is included in the **FirstSearch Appendix**.

Table 4
Properties of Potential Environmental Concern
Assessor's Plat 24 Lot 346
Newport, Rhode Island

NPL (1 mi.)	CERCLIS (1/2 mi.)	RCRAGN (site/ abutters)	SWL (1/4 mi.)	ERNS (site)	STATE SITES (1/4 mi.)	SPILLS (1/4 mi.)	UST (site/ abutters)	LUST (1/4 mi.)
NI	NI	NI	NI	NI	Pelham Court LLC 14 Pelham St. ~420' SE Long Wharf Mall – North Thames St. ~950' NW Touro Synagogue Visitors Center 50 Spring St. ~1055' NE Parascondola Fish Co. Perry Mill Wharf ~1320' SW	Newport Yachting Center 20 Commercial Wharf ~900' SW DEM Pier 9 9 Washington St. ~950' NW Banister Wharf ~1000' NW One Court House Sq. ~1110' NE Parascondola Dock Perry Mill Wharf ~1320' SW	*Trinity Church Queen Anne Square ~315' NW Pelham Place 14 Pelham St. ~420' SE Colony Street Sunoco Spring St. ~1000' NE Hotel Viking Church St. ~1270' NE	

NI = no properties identified within radii

N=north, S=south, W=west, E=east

3.4 State Environmental Agency Review

The Rhode Island Department of Environmental Management (RIDEM) was visited in an effort to review information pertaining to reported spills, responses, or investigations for the subject property and neighboring properties. *Due to the urban nature of the Site vicinity, files associated with those properties with the greatest potential to adversely impact the subject Site (i.e., distance, topography, etc.) were selected for review. File information relative to surrounding properties of potential environmental concern to the subject Site is summarized in the following sections. Copies of pertinent information associated with these select properties are included in **Appendix C**.

Information for remaining properties of potential environmental concern surrounding the Site was obtained from FirstSearch as summarized below.

3.4.1 State-listed Sites

Pelham Court LLC, 14 Pelham St

Located approximately 420 feet southeast and topographically downgradient from the Site

According to FirstSearch, this active State site and leaking underground storage tank (LUST) site is reportedly currently being managed by RIDEM's Leaking Underground Storage Tank Program due to a release of ethylbenzene identified in groundwater and arsenic identified in soil.

Given that Site groundwater is classified by RIDEM as GB and therefore is not suitable for public or private drinking water use without prior treatment and that this property is located topographically downgradient of the subject Site, objectionable impact to the Site from this release is unlikely to have occurred.

Long Wharf Mall-North, Thames Street

Located approximately 950 feet northwest and topographically downgradient from the Site

This property is listed as an inactive State site according to FirstSearch and has been subject to an institutional control in the form of an Environmental Land Use Restriction (ELUR).

Given the distance and topographic downgradient position of this property relative to the subject Site, objectionable impact to the Site from this release is unlikely to have occurred.

Touro Synagogue Visitors Center, 50 Spring Street

Located approximately 1055 feet northeast and topographically upgradient from the Site

This site is listed as an active state site according to FirstSearch and is being managed by RIDEM's Hazardous Waste Management Program.

Given the distance of this property with respect to the subject Site, objectionable impact to the Site from this release is unlikely to have occurred.

Queen Anne Square
Assessor's Plat 24 Lot 346, Newport, RI
January 2012

Parascondola Fish Company, Perry Mill Wharf
Located approximately 1320 feet southwest and topographically downgradient from the Site

This property is listed as an active state site according to FirstSearch and is being managed by RIDEM's Hazardous Waste Management Program.

Given the distance and topographic downgradient position of this property relative to the subject Site, objectionable impact to the Site from this release is unlikely to have occurred.

3.4.2 Spills Sites

Newport Yachting Center, 20 Commercial Wharf
Located approximately 900 feet southwest and topographically downgradient from the Site

FirstSearch indicates that 100 gallons of diesel fuel was spilled during fueling at this facility in June 1996.

Due to the nature of this release and its topographically downgradient position relative to the subject Site, it does not appear likely that objectionable impact could occur to the subject Site.

DEM Pier 9, 9 Washington Street
Located approximately 950 feet northwest and topographically downgradient from the Site

According to FirstSearch, an unknown amount of waste oil was spilled into the harbor in March 1994.

Due to the nature of this release (to the harbor) and its topographically downgradient position relative to the subject Site, it does not appear likely that objectionable impact could occur to the subject Site

Banister Wharf
Located approximately 1001 feet northwest and topographically downgradient from the Site

According to FirstSearch, approximately 30 gallons of oil was spilled into the harbor in January 2001.

Queen Anne Square
Assessor's Plat 24 Lot 346, Newport, RI
January 2012

Given the fact that the spill occurred in the harbor, it is unlikely that impact from this spill exists at the subject Site.

One Court House Square

Located approximately 1110 feet northeast and topographically upgradient from the Site

The FirstSearch report indicates that an unknown amount of heating oil was spilled in April 2000.

Given the distance of this property with respect to the subject Site, objectionable impact to the Site from this release is unlikely to have occurred.

Parascandola Dock

Located approximately 1320 feet southwest and topographically downgradient from the Site

According to FirstSearch, approximately 10-15 gallons of diesel fuel was spilled into the harbor in April 1996.

Given the fact that the spill occurred in the harbor and its topographically downgradient position to the Site, it is unlikely that impact from this spill exists at the subject Site.

3.4.3 UST

Trinity Church, Queen Anne Square

Abuts Site to the east

According to RIDEM file information, in 1993 a 1,000-gallon #2 heating fuel oil tank was removed from this property. A tank closure inspection report prepared by Daniel Russell of RIDEM noted approximately one yard of oil-impacted shale and soil which was drummed and slated for off-Site disposal. Mr. Russell noted that groundwater was not encountered during tank removal activities. As such, no groundwater sampling or analysis was conducted at the time. Subsequent to the tank's removal, a Closure Certificate was issued by RIDEM on dated July 21, 1993.

Given the nature of the release and the fact that no groundwater or free product were encountered during removal efforts and RIDEM's administrative closure of the tank, it is unlikely that this release objectionably impacted subsurface conditions at the subject Site.

3.4.4 LUST Sites

*Trinity Church, Queen Anne Square
Abuts Site to the east*

Information relative to this property is summarized in **Section 3.4.3.**

*Pelham Court LLC, 14 Pelham St
Located approximately 420 feet southeast and topographically downgradient from the Site*

Information relative to this property is summarized in **Section 3.4.1.**

*Colony House Sunoco, Spring Street
Located approximately 1,000 feet northeast and topographically upgradient from the Site*

According to FirstSearch, the release associated with this property was reportedly managed via removal of impacted soils. This typically indicates that contamination was limited to soil and removed accordingly during remedial activities.

Due to the nature of remedial actions at this property, it appears unlikely that the release associated with this property could have objectionably impacted the subject Site.

*Hotel Viking, Church Street
Located approximately 1270 feet NE and topographically upgradient from the Site*

According to FirstSearch, the release associated with this property was reportedly managed via removal of impacted soils. This typically indicates that contamination was limited to soil and removed accordingly during remedial activities.

Due to the nature of remedial actions at this property, it appears unlikely that the release associated with this property could have objectionably impacted the subject Site.

3.4.5 Non-geocoded Sites

One hundred twenty-three (123) non-geocoded properties were identified by FirstSearch. Non-geocoded sites are defined as sites that do not have assigned longitude and latitude coordinates, adequate address information or other identifiers such that a known location can be specified or determined. SAGE personnel attempted to determine the locations of the non-geocoded properties; the Site was not identified as a non-geocoded site.

3.5 Physical Setting

According to the, "Newport, Rhode Island Quadrangle" USGS topographic Map, the elevation of the Site is approximately 34 feet above mean sea level. Site topography is flat with a slight slope west toward Newport Harbor.

According to the Bedrock Geologic Map of Rhode Island, geology beneath the Site consists of Esmond-Dedham Avalon stratified rock. According to the Rhode Island Soil Survey, the surficial geology consists of till.

Based on a review of the RIDEM Groundwater Classification Map for the Site and vicinity, the Site is located in an area with a GB groundwater classification. Groundwater resources classified as GB by RIDEM are those which have been designated to be unsuitable for public or private drinking water use without prior treatment. A copy of the RIDEM Groundwater Classification Map for the Site and vicinity is included as **Figure 5**.

Based on a review of a map obtained from the RIGIS database depicting wetlands and areas of critical environmental concern, no wetlands, rare species habitats or wildlife management areas are located on or within 500 feet of the Site. This map is included as **Figure 6**.

According to Flood Insurance Rate Map (FIRM) #44005C0177H dated April 5, 2010, the Site is not located zone "X" indicating an area outside the .2% annual flood chance.

Area waterbodies consist of Newport Harbor located approximately 750 feet west of the Site.

4.0 SITE RECONNAISSANCE INFORMATION

On January 18, 2012, *SAGE* personnel conducted an on-Site inspection, which consisted of a visual examination of the subject property, immediate surrounding features and adjacent properties. Areas were examined for surficial evidence of potential OHMs. A Questionnaire, completed by *SAGE* personnel during the Site inspection, is included as the **Questionnaire Appendix**. A field sketch depicting features observed is included as **Figure 3**.

4.1 Exterior Inspection

The approximately 1.75-acre Site is currently developed as a public park consisting mainly of grassed areas with small trees, landscaping and brick pathways. A cobblestone "Paper Street" identified as Frank Street runs directly through the park from east to west. Gas powered lamps line the edges of Frank Street.

Trinity Church and associated buildings abut the park to east. Surrounding areas to the north, south and west consist primarily of small commercial retail businesses and historic residential dwellings.

No apparent evidence of visible soil staining, pits, ponds or lagoons, or stressed vegetation or the release or storage of OHM was observed on exterior portions of the Site.

4.2 Interior Inspection

As the Site is vacant of structures, no interior inspection was conducted.

4.3 Hazardous Substances

No hazardous substances were observed during the course of this assessment.

4.4 Storage Tanks

No storage tanks were observed at the Site.

4.5 Indications of Polychlorinated Biphenyls (PCBs)

No indication of PCBs was observed during the course of this assessment.

4.6 Solid Waste Disposal

No evidence of the improper storage or disposal of solid waste was observed at the Site.

4.7 Asbestos-Containing Material / Lead Paint

As the Site is vacant of structures, no evaluation for the presence of asbestos-containing material or lead paint was conducted during this assessment. It should be noted that specific testing for these materials is beyond the scope of this assessment.

5.0 SUMMARY OF FINDINGS

SAGE has completed a Phase I Environmental Site Assessment of the Site identified as Lot 346 on Newport Assessor's Plat 24 in Newport, Rhode Island. This assessment was performed with consideration to standard industry practice and the ASTM E-1527-05 site assessment standard entitled "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process".

During the course of this assessment, the following RECs, as defined by ASTM, were noted:

- Former dry cleaning facilities (City Steam Laundry, Mill Street Laundry, and Egan's Laundry and Cleaners) formerly occupied a portion of the southern half of the Site;
- The easterly abutting property to the Site, Trinity Church, is a documented LUST site according to RIDEM. A tank closure inspection report prepared by Daniel Russell of RIDEM in 1993 noted approximately one yard of oil-impacted shale and soil which was drummed and slated for off-Site disposal. Mr. Russell noted that groundwater was not encountered during tank removal activities. As such, no groundwater sampling or analysis was conducted at the time, and therefore, the potential, albeit remote, exists for objectionable impact to the subject Site from this LUST property;
- Several additional off-site properties of potential environmental concern were identified and include a portion of Egan's Laundry and Cleaners formerly located east of the Site and a former service station located southeast of the Site at the corner of Spring and Mill Streets.

Based on information obtained during the course of this assessment, the potential exists for objectionable impact to have occurred to the Site from these RECs. *SAGE* recommends that subsurface soil and groundwater at the property be evaluated for the presence of potential contaminants of concern associated with these past use(s) via the performance of a Limited Subsurface Investigation.

6.0 LIMITATIONS

Data obtained from public agencies, site inspections, and data mapping sources was used in the characterization of this site. The accuracy of the conclusions derived from these data is based solely on the accuracy of the data reported and or supplied. Should information be made available concerning the site which is not included in this report, it should be reported to *SAGE* so that findings, conclusions, and/or recommendations can be altered and modified (if necessary).

Events occurring on the site after on site inspection are beyond the scope of this report. As such, *SAGE* makes no expressed or implied representations, warranties or guarantees regarding any changes in the condition of the premises after the date of the on-site inspection.

Any qualitative or quantitative information regarding the site, which was not available to *SAGE* at the time of this assessment, may result in modification(s) to the conclusions and/or representations made in this report.

Due to the fact that geological and soil formations are inherently random, variable, and indeterminate (heterogeneous) in nature, the professional services and opinions provided by *SAGE* under our agreement are not guaranteed to be a representation of complete site conditions, which are variable and subject to change with time or as the result of natural or man-made processes. Although our services are extensive, opinions, findings, and conclusions presented are limited to and by the data supplied, reported, and obtained. As analytical testing is not part of the Phase I Site Assessment process, no analytical testing was conducted during this assessment. Additionally, unless specified or otherwise included herein, this assessment did not include an evaluation of business environmental risk as defined in ASTM E 1527 (3.3.7) and non-scope considerations as identified in ASTM E1527 (12). Such non-scope considerations include, but are not limited to, evaluation of: asbestos-containing materials, radon, lead-based paint, lead in drinking water, wetlands, regulatory compliance, industrial hygiene, health and safety, OSHA compliance, cultural and historic resources, ecological resources, endangered species, indoor air quality, electromagnetic fields, formaldehyde, high-voltage power lines, non-point sources or best management practices for silviculture. Under the terms of the agreement no attempt was made to determine the compliance or regulatory status of present or former owners or operators of the site with respect to federal, state, municipal, environmental, and land use laws or regulations.

SAGE has retained a copy of this report. No deletions or additions are permitted without the written consent of *SAGE*. This report, including the data, maps, and figures contained herein, are not suitable for use in its present form, for any ongoing or pending litigation. Use of this report in whole or in part by parties other than those authorized by *SAGE* is prohibited.

7.0 RECORD OF COMMUNICATION

Individuals and agencies (Federal/State/Local) contacted for Site-specific information are summarized in the **Table 5**.

Table 5
Information Sources
Assessor's Plat 24 Lot 346
Newport, Rhode Island

Office / Agency	Contact Person	Date of Contact
RIDEM	Kayla Saccoccio	1/19/12
Newport Assessor's Office	Staff	1/18/12
Newport Building Department	Staff	1/18/12
Newport Clerk's Office	Staff	1/18/12
Newport Fire Department	Staff	1/18/12
Site contact	Pieter Roos	Multiple

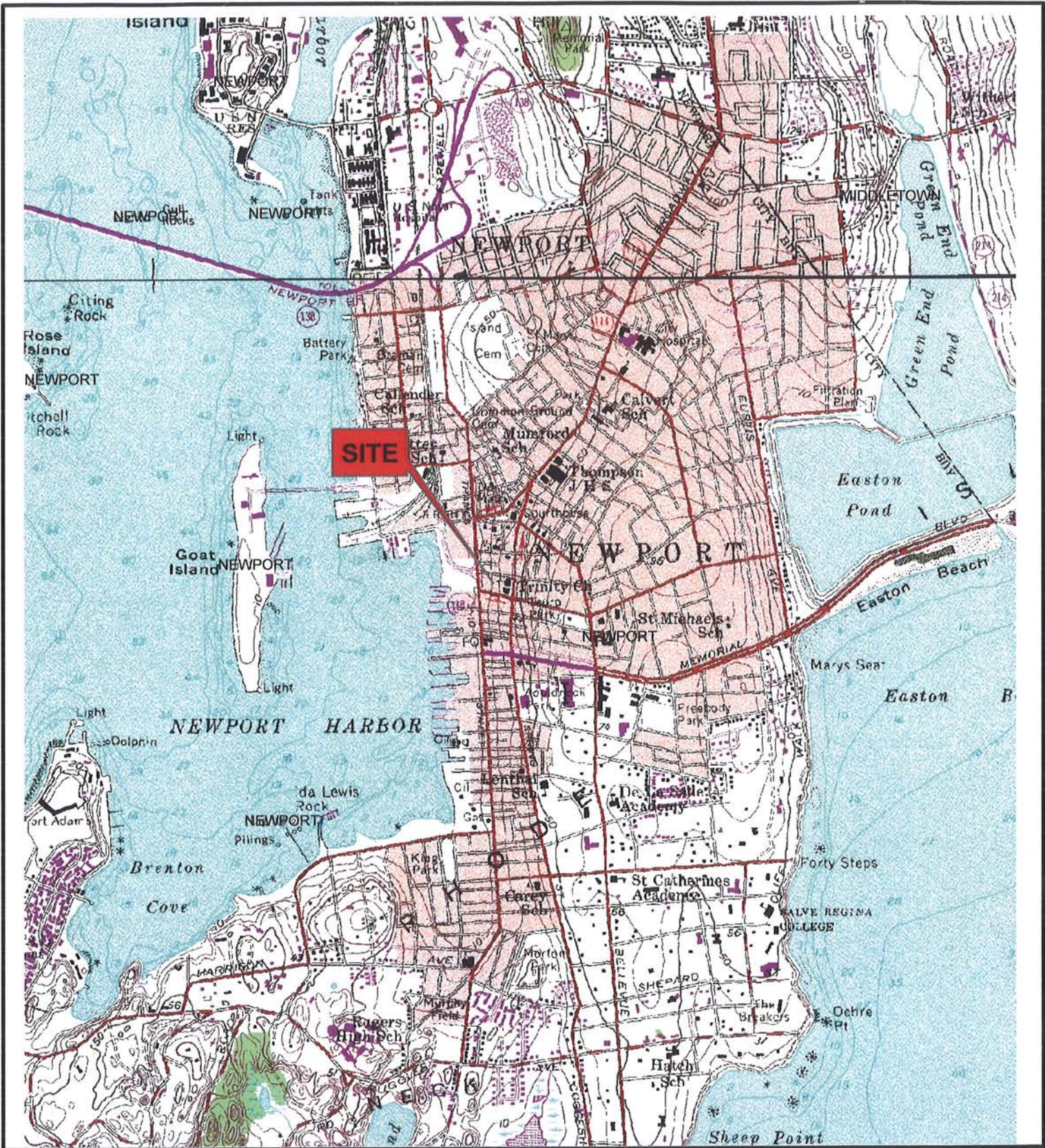
8.0 STATEMENT OF ENVIRONMENTAL PROFESSIONAL

Bruce W. Clark declares that, to the best of his professional knowledge and belief, he meets the definition of *Environmental Professional* as defined in §312.10 of 40 CFR 312" and 12.13.2 Mr. Clark has the specific qualifications based on education, training, and experience to assess a *property* of the nature, history, and setting of the subject *property*. Mr. Clark has developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312."

Bruce W. Clark
Principal

Date

FIGURES



SAGEEnvironmental, Inc

Figure 1

USGS Quadrangle Site Location Map

Queen Anne Square
Newport, Rhode Island

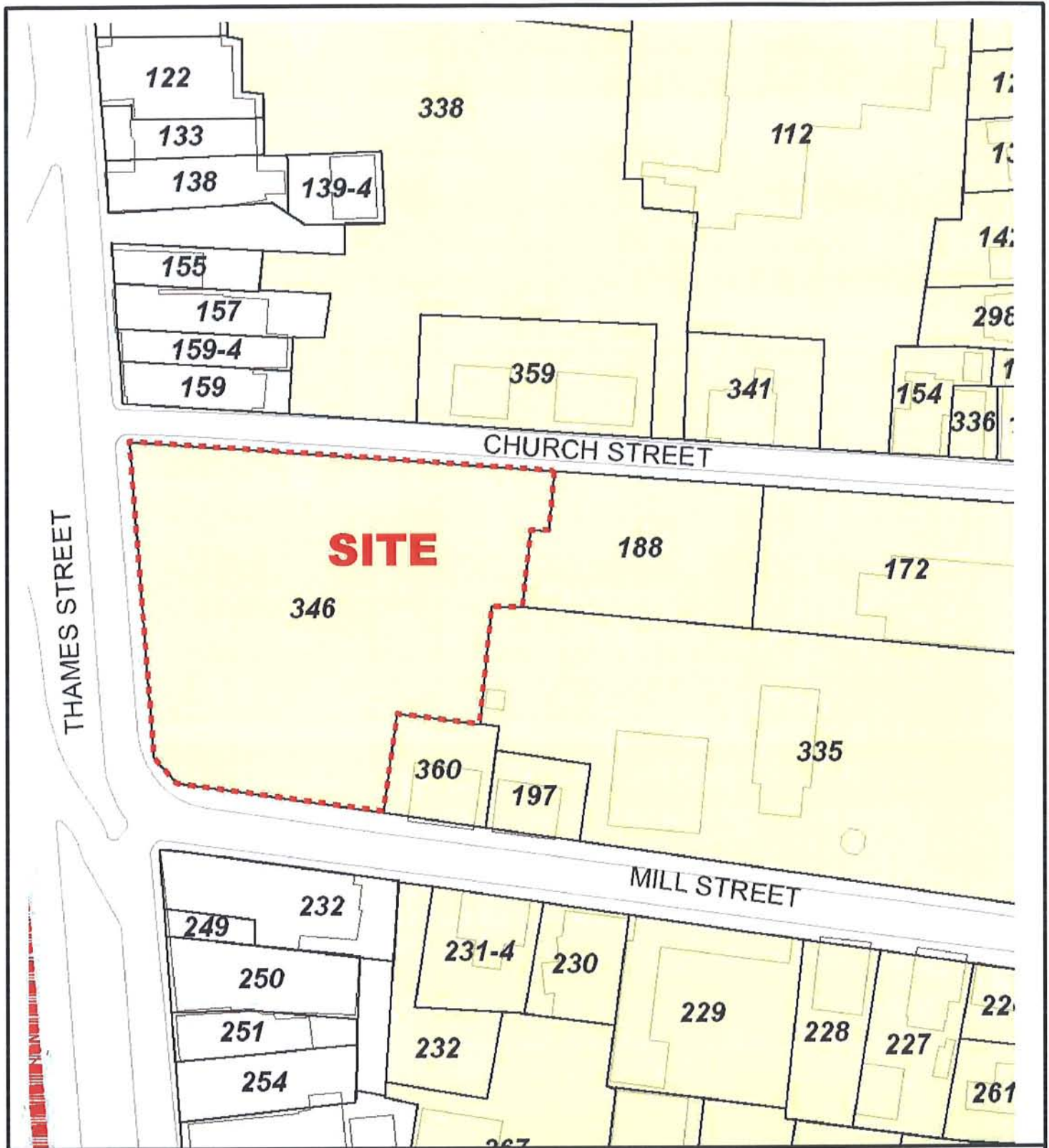


DATE: 12/22/11
CREATED BY: DAK

JOB #: S2244
DRAWING: lusqs.mxd

NEWPORT, RHODE ISLAND
USGS QUADRANGLE





SAGE Environmental, Inc

Figure 2

Plat Map

Queen Anne Square
Newport, Rhode Island



★ Site Location

DATE: 5/2/12

JOB #: S2244

CREATED BY: JD

DRAWING: platmap.mxd

Courtesy of the City of Newport



SAGE Environmental, Inc

Figure 3



★ Site Location

Site Sketch
 Queen Anne Square
 Plat 24 Lot 346
 Newport, Rhode Island

DATE:	05/2/2012	JOB#:	S2244
CREATED BY:	JD	FILENAME:	exteriorsitesketch.mxd



SAGE Environmental, Inc

Figure 4

Orthophotography - 2006

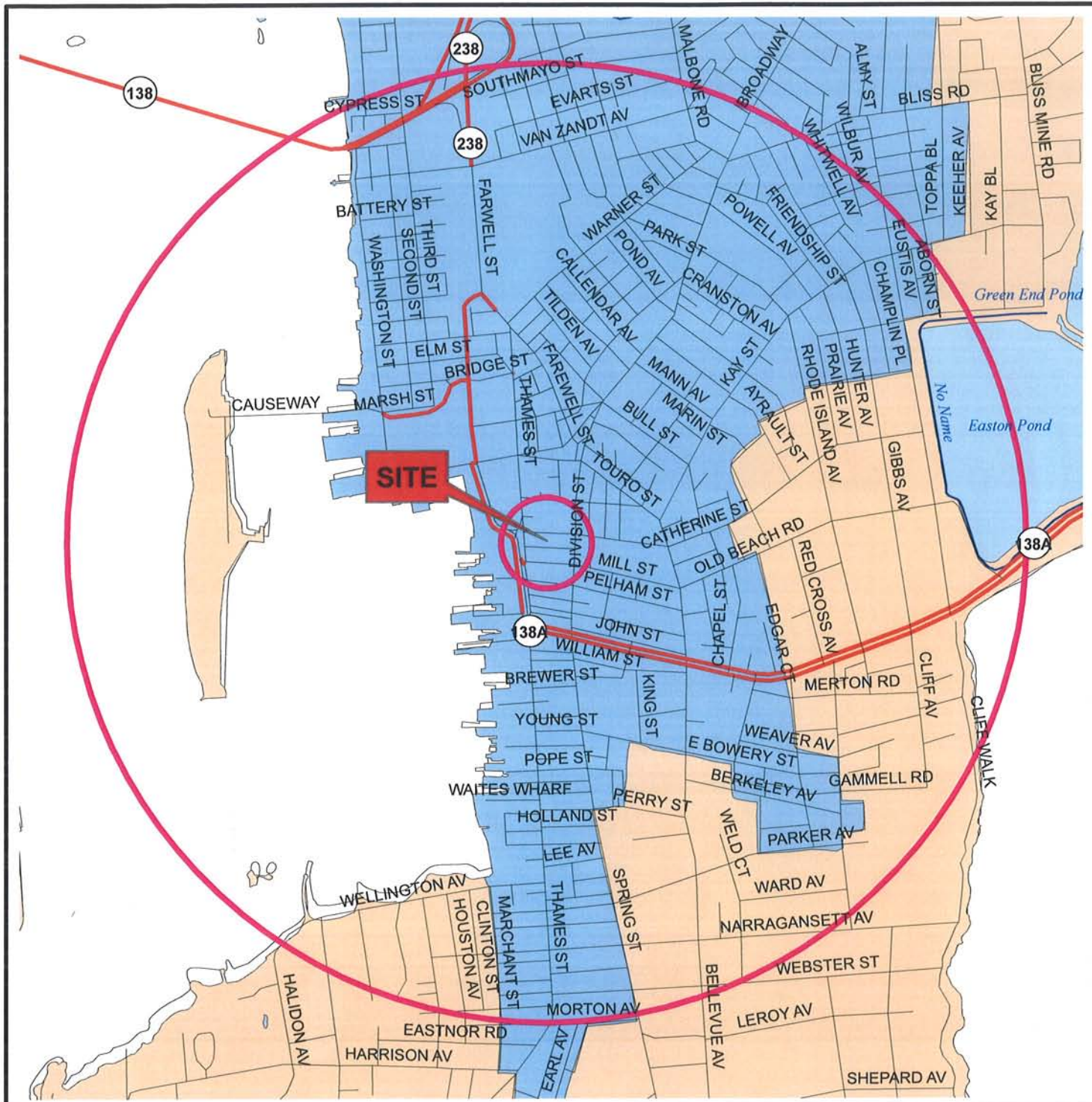
Queen Anne Square
Newport, Rhode Island



★ Site Location

DATE: 12/22/11
CREATED BY: DAK

JOB #: S2244
DRAWING: ortho.mxd



SAGE Environmental, Inc

Figure 5

RIDEM Groundwater Classification and Nearby Wells

Queen Anne Square
Newport, Rhode Island

DATE: 12/22/11
CREATED BY: DAK

JOB #: S2244
DRAWING: qwclass.mxd

- Legend**
- Noncommunity Wells
 - Public Wells
 - Noncommunity Wellhead Protection Areas
 - Community Wellhead Protection Areas
 - Rivers and Streams
 - Lakes and Pond

- Groundwater Classification**
- GA
 - GAA
 - GB
 - GC

500 Feet & 1 Mile



Site Location

0 0.1 0.2 0.4 0.6 0.8 Miles





SAGE Environmental, Inc

Figure 6

WETLANDS & RARE AND ENDANGERED SPECIES

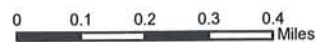
Queen Anne Square
Newport, Rhode Island

DATE: 12/22/11

JOB #: S2244

CREATED BY: DAK

FILENAME: wetlandspec.mxd



- Legend**
- Wetlands**
 - Wetland Type**
 - Emergent Wetland: Emergent Fen or
 - Emergent Wetland: Marsh/Wet Meadow
 - Estuarine Emergent Wetland
 - Estuarine Scrub-Shrub Wetland
 - Forested Wetland: Coniferous
 - Forested Wetland: Dead
 - Forested Wetland: Deciduous
 - Scrub-Shrub Swamp
 - Scrub-Shrub Wetland: Shrub Fen
 - Wildlife Management Areas
 - Rare Species Habitat
 - 500 ft. Radius

Not to Scale

★ Site Location

APPENDIX A

PROPERTY LOCATION: QUEEN ANN PARK Vision ID: 4713	TOPO.	UTILITIES	STRT./ROAD	LOCATION	CURRENT ASSESSMENT
CURRENT OWNER: NEWPORT CITY OF CITY HALL					Code 7800
NEWPORT, RI 02840 Additional Owners:	SUPPLEMENTAL DATA				Assessed Value 218,300
	Other ID: 3200030102				Assessed Value 218,300
	TOTAL COND(HEART FREEZE				
	LAND AREA				
	PHOTO GIS ID: 4713				
	ASSOC PID#				

RECORD OF OWNERSHIP		BK-VOL/PAGE		SALE DATE		V/I		SALE PRICE		V.C.	
NEWPORT CITY OF		304/944									0
Total:		218,300		218,300		218,300		218,300		218,300	

PREVIOUS ASSESSMENTS (HISTORY)

Yr.	Code	Assessed Value	Yr.	Code	Assessed Value	Yr.	Code	Assessed Value	
2011	7800		2010	7800	218,300	2009	7800	218,300	
Total:		218,300		218,300		218,300		218,300	

This signature acknowledges a visit by a Data Collector or Assessor

APPRaised VALUE SUMMARY

Appraised Bldg. Value (Card)	0
Appraised XF (B) Value (Bldg)	0
Appraised OB (L) Value (Bldg)	0
Appraised Land Value (Bldg)	218,300
Special Land Value	0
Total Appraised Parcel Value	218,300
Valuation Method:	C
Adjustment:	0
Net Total Appraised Parcel Value	218,300

BUILDING PERMIT RECORD

Permit ID	Issue Date	Type	Description	Amount	% Comp.	Date Comp.	Comments	Date	Type	IS	ID	Cd.	Purpose/Result
								10/27/2008	JD		50	00	Field Reviewed
								3/19/2000	MG				Measur+Listed

LAND LINE VALUATION SECTION

B #	Use Code	Description	Zone	D	Frontage	Depth	Units	Unit Price	I. Factor	S.A.	Acre Disc	C. Factor	ST. Idx	Notes-Adj	Special Pricing	Adj. Unit Price	Land Value
1	903V	MUNICIPAL MDL-00	GB				43,560 SF	4.71	1.00	5	1.0000	1.00				4.71	205,200
1	9030	MUNICIPAL MDL-94	GB				0.75 AC	17,500.00	1.00	0	1.0000	1.00				17,500.00	13,100
Total Card Land Units:													1.75 AC	Parcel Total Land Area: 1.75 AC	Total Land Value:	218,300	

CONSTRUCTION DETAIL		CONSTRUCTION DETAIL (CONTINUED)											
Element	Cd.	Ch.	Description										
00			Vacant										
MIXED USE													
Code	Description	Percentage											
903V	MUNICIPAL MDL-00	100											
COST/MARKET VALUATION													
Adj. Base Rate:		0.00											
Section RCN:		0											
Net Other Adj:		0.00											
Replace Cost		0											
AYB		0											
EYB		0											
Dep Code													
Remodel Rating													
Year Remodeled													
Dep %													
Functional Obslinc													
External Obslinc													
Cost Trend Factor		1											
Status													
% Complete													
Overall % Cond													
Apprais Val													
Dep % Ovr		0											
Dep Ovr Comment													
Misc Imp Ovr		0											
Misc Imp Ovr Comment													
Cost to Cure Ovr		0											
Cost to Cure Ovr Comment													
OB-OUTBUILDING & YARD ITEMS(L) / XF-BUILDING EXTRA FEATURES(B)													
Code	Description	Sub	Sub	Units	Unit Price	Yr	Gde	Dp	Rt	Cnd	%Cnd	Apr	Value
BUILDING SUB-AREA SUMMARY SECTION													
Code	Description	Living Area	Gross Area	Eff. Area	Unit Cost	Undeprac. Value							
		0	0	0	0	0							
Tot. Gross Liv/Lease Area:		0	0	0	0	0							

No Photo On Record

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COPY

SEE SECOND CARD

829

No. _____

Bank Street
Plat 24

Lot 328 Name -- Egan, John J.

EGAN, MARION P.
Egan's Laundry & Cleaners, Inc.
The Brownstone Realty Corporation --
Egan's Peerless Laundry and Cleaners, Inc.

DATE	SQUARE FEET	VALUE PER FOOT	VALUE OF LAND	VALUE OF BUILDINGS	TOTAL VALUE	DATE OF TRANSFER	TO WHOM TRANSFERRED	DEED BOOK	PAGE NO.
8/9/45	2613					1946			
1946	2613	30	lot 783	1 200	1 983	Jan. 8	Egan's Peerless Laundry and Cleaners, Inc.	159	298
1947	241.50	From lot #316				1947			
1948	2854.50	30	856	4 500	5 356	Nov. 5	Egan's Peerless Laundry and Cleaners, Inc.	165	542
1950	2254.50		650		650	9-1-50	The Brownstone Realty Corporation	173	506
1958	6.88			Added To Lot #197		1-25-55	Egan's Laundry & Cleaners, Inc.	186	364
	2847.62		700	--	700	6-26-58	Corporation of Trinity Church, Newport, Rhode Island	196	137-38
	2560	From Lot 198				11-9-62	Marion P. Egan	207	452
	6068	From Lot 198 1/2							
	3775	From Lot 199							
	1887	From Lot 199 1/2							
	1820	From Lot 200							
	4508	From Lot 214							
	915	From Lot 215							
	4385	From Lot 311							
	4190.18	From Lot 316							
	32,955.80								
1971			41 760	140 290	182 050				
1973			41 760	122 270	164 030				
1973	-11,376		to new lot #	346					
1973	21,580		27 840	81 520	109 360				

FROM LOT # 197

9-27-73 EGAN, JOHN J. ET UX ET ALS 240 19

[Handwritten scribble]

OWNER

SECRET SAID
630

PLAT

LOT

LOCATION

DISCONTINUED TO LOT 346

COPY

DISCONTINUED TO LOT 346

DATE	SQUARE FEET	VALUE PER FOOT	VALUE OF LAND	VALUE OF BUILDINGS	TOTAL VALUE	DATE OF TRANSFER	TO WHOM TRANSFERRED	DEED BOOK	PAGE NO.
1977	1,820		11,200	--	11,200	12-31-75	THE UNITED STATES AGENCY OF INTERNATIONAL DEVELOPMENT, WASHINGTON, D.C.	245	451-52
1981	-1,820	to lot 346				12-31-75	THE UNITED STATES AGENCY OF INTERNATIONAL DEVELOPMENT, WASHINGTON, D.C.	245	453-54
1981	-0-					5-10-77	THE UNITED STATES AGENCY OF INTERNATIONAL DEVELOPMENT, WASHINGTON, D.C.	264	61-67

SEE SECOND CARD

638

COPY

OWNER

PLAT 24

LOT 346

LOCATION

HILL ST. THAMES ST. & FRANK ST.

(2) REDEVELOPMENT AGENCY OF NEWPORT, RHODE ISLAND, THE
 (1) - BGAH - J - E - U - K - E - A - I - S

DATE	SQUARE FEET	VALUE PER FOOT	VALUE OF LAND	VALUE OF BUILDINGS	TOTAL VALUE	DATE OF TRANSFER	TO WHOM TRANSFERRED	DEED BOOK	PAGE NO.
1973	11,376		from lot	328		1973 9/27/73	SEE (1) ABOVE	240	19
1973	11,376		13 920	40 750	54 670	12/31/75	SEE (2) ABOVE	245	449 455
1975	+19,760		from lot	328		12/31/75	SEE (2) ABOVE	245	451
1975	31,136		36 160	122270	158 430	12/31/75	SEE (2) ABOVE	245	453
1976	31,136		36 160	---	36 160	4/26/77	TRINITY CHURCH IN NEWPORT (ADDED TO LOT #197)	263	113
1977	-11,053		to lot	197		10/2/78	NEWPORT RESTORATION FOUNDATION	286	630
1977	20,083		46 600	---	46 600		SEE S COND CARD		
1978	-5,254		To new lot	360					
1978	14,829		40 340	---	40 340				

RECORD CARD R04723

OWNER

PLAT 24

LOT 346

LOCATION
MILL ST.,
THAMES ST.,
FRANK ST.

CITY OF NEWPORT

ASSESSMENT AGENCY OF NEWPORT, RHODE ISLAND, THE

DATE	SQUARE FEET	VALUE PER FOOT	VALUE OF LAND	VALUE OF BUILDINGS	TOTAL VALUE	DATE OF TRANSFER	TO WHOM TRANSFERRED	DEED BOOK	PAGE NO.
1978	14,829		40,340	---	40,340	10/2/78	Newport Restoration Foundation	286	630
1981	+2,315	from lot 175		---					
1981	+ 772	from lot 176		---					
1981	+1,303	from lot 184		---					
1981	+1,495	from lot 186		---					
1981	+4,680	from lot 177		---					
1981	+5,650	from lot 182		---					
1981	+1,733	from lot 208		---					
1981	+1,240	from lot 312		---					
1981	+3,096	from lot 185		---					
1981	+1,820	from lot 328		---					
1981	76,326		36,400	---	36,400				
1982	76,326		36,400	---	36,400				
1986	+200	from abandonment of Frank St. 9/10/86		---					
1986	76,606		36,400	---	36,400				
1992	76,606		1,144,900	---	1,144,900				

COPY

HISTORICAL MAPS



FIRE INSURANCE MAP ABSTRACT RESEARCH RESULTS

Report Date: 12/7/2011

Client Job Number: P2484

FirstSearch Index Number: 289084

Site Address(es): QUEEN ANNE SQ
NEWPORT, RI 02840

Listed below, please find the results of our search for historic fire insurance maps, performed in conjunction with your Environmental FirstSearch® report.

State	City	Date	Volume	Sheet Number(s)
Rhode Island	Newport	1990	none	9, 10
Rhode Island	Newport	1972	none	9, 10
Rhode Island	Newport	1968	none	9, 10
Rhode Island	Newport	1963	none	9, 10
Rhode Island	Newport	1953	none	9, 10
Rhode Island	Newport	1950	none	9, 10
Rhode Island	Newport	1921	none	7a
Rhode Island	Newport	1903	none	7a
Rhode Island	Newport	1896	none	13
Rhode Island	Newport	1891	none	8
Rhode Island	Newport	1884	none	8

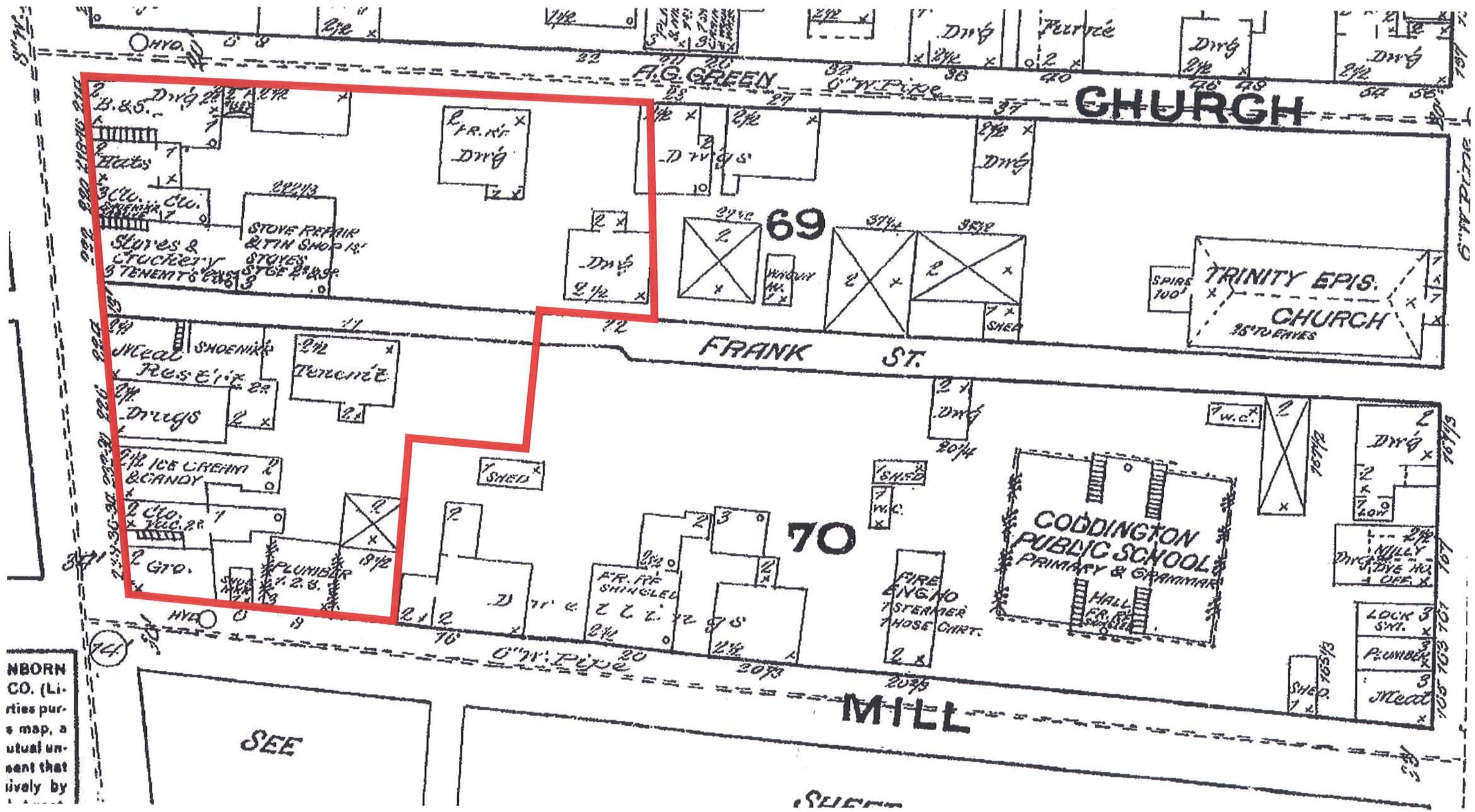
This abstract is the result of a visual inspection of various Sanborn® Map collections. Supporting documentation follows in the Appendix. Use of this material is meant for research purposes only.

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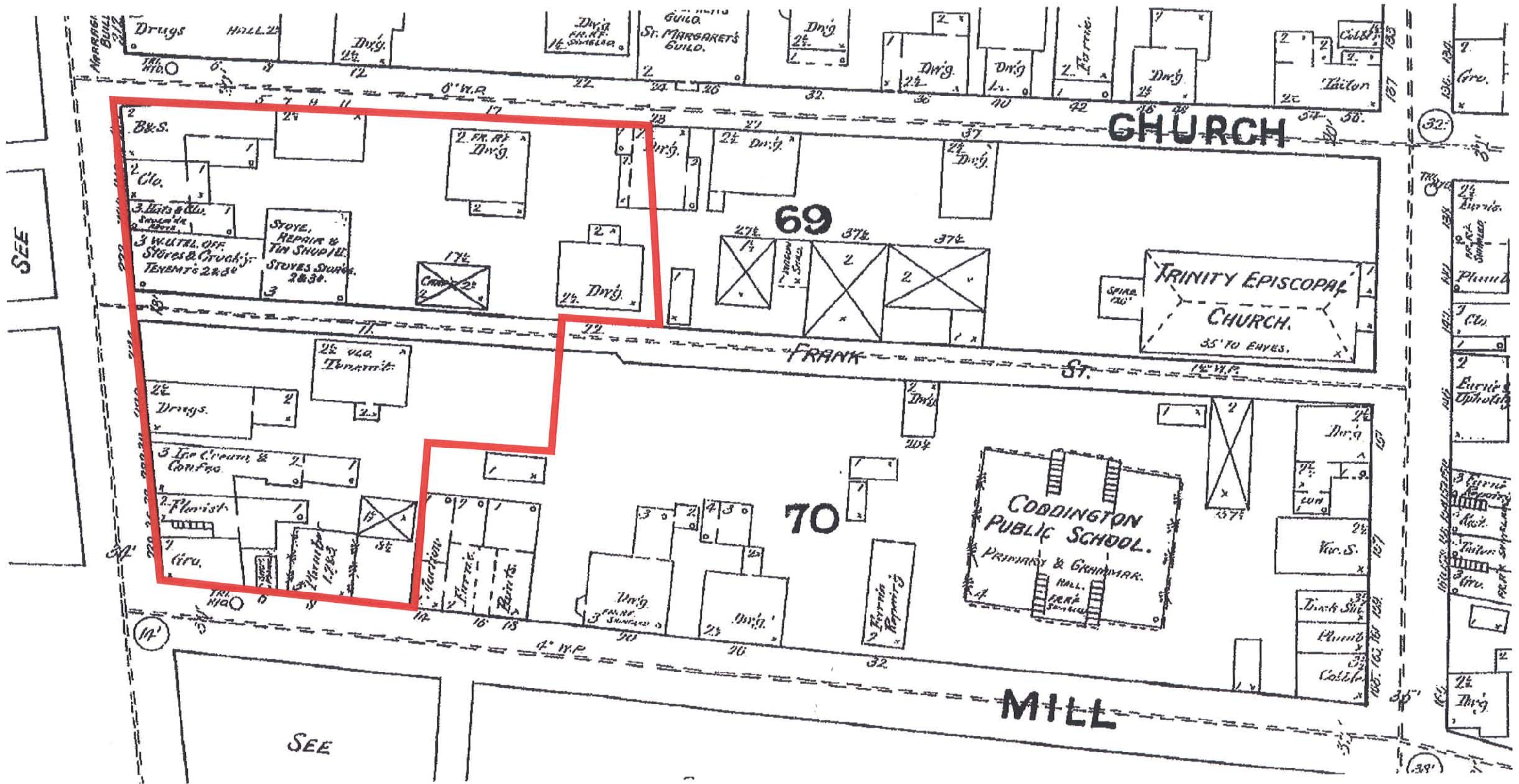
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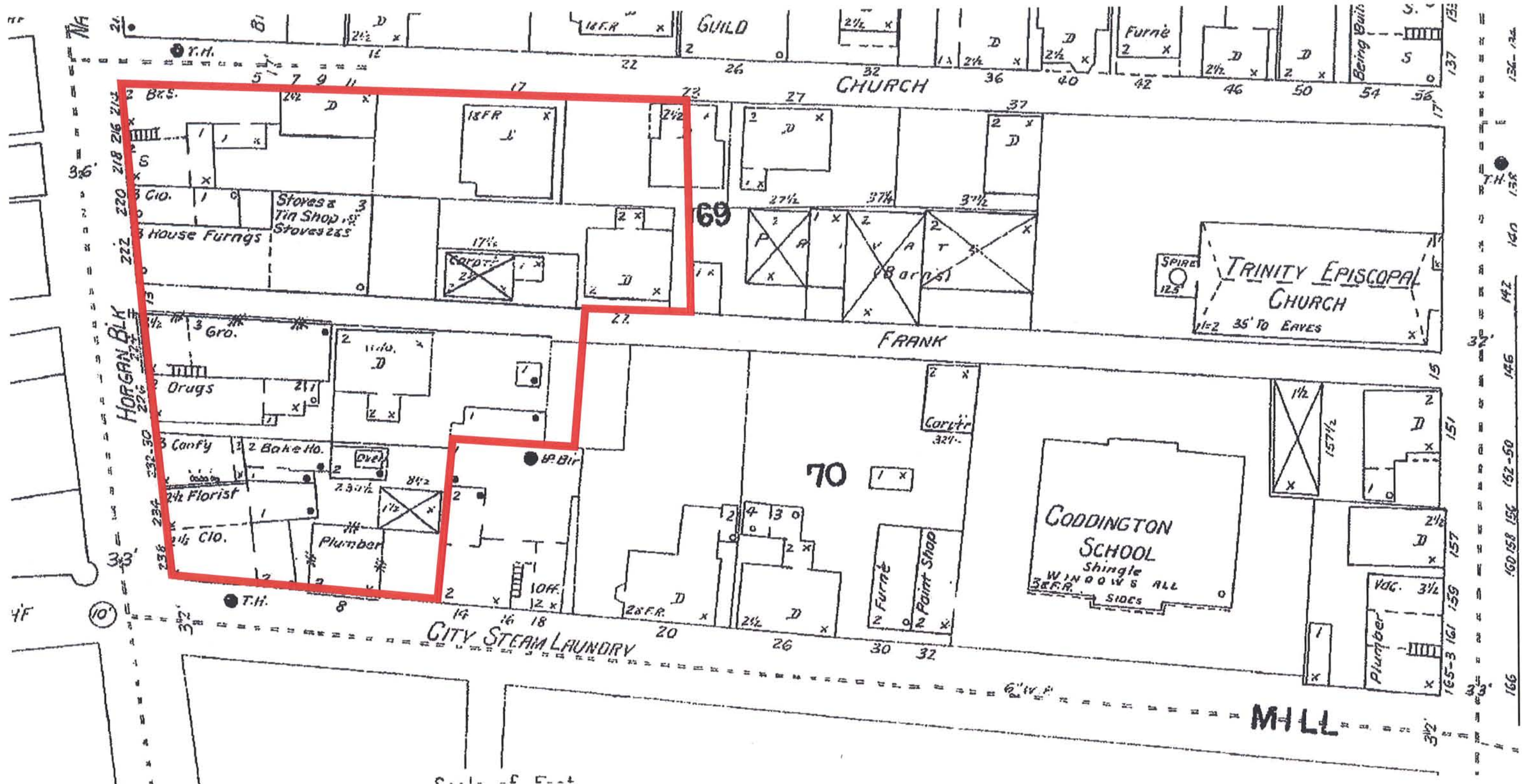
FirstSearch Technology Corporation

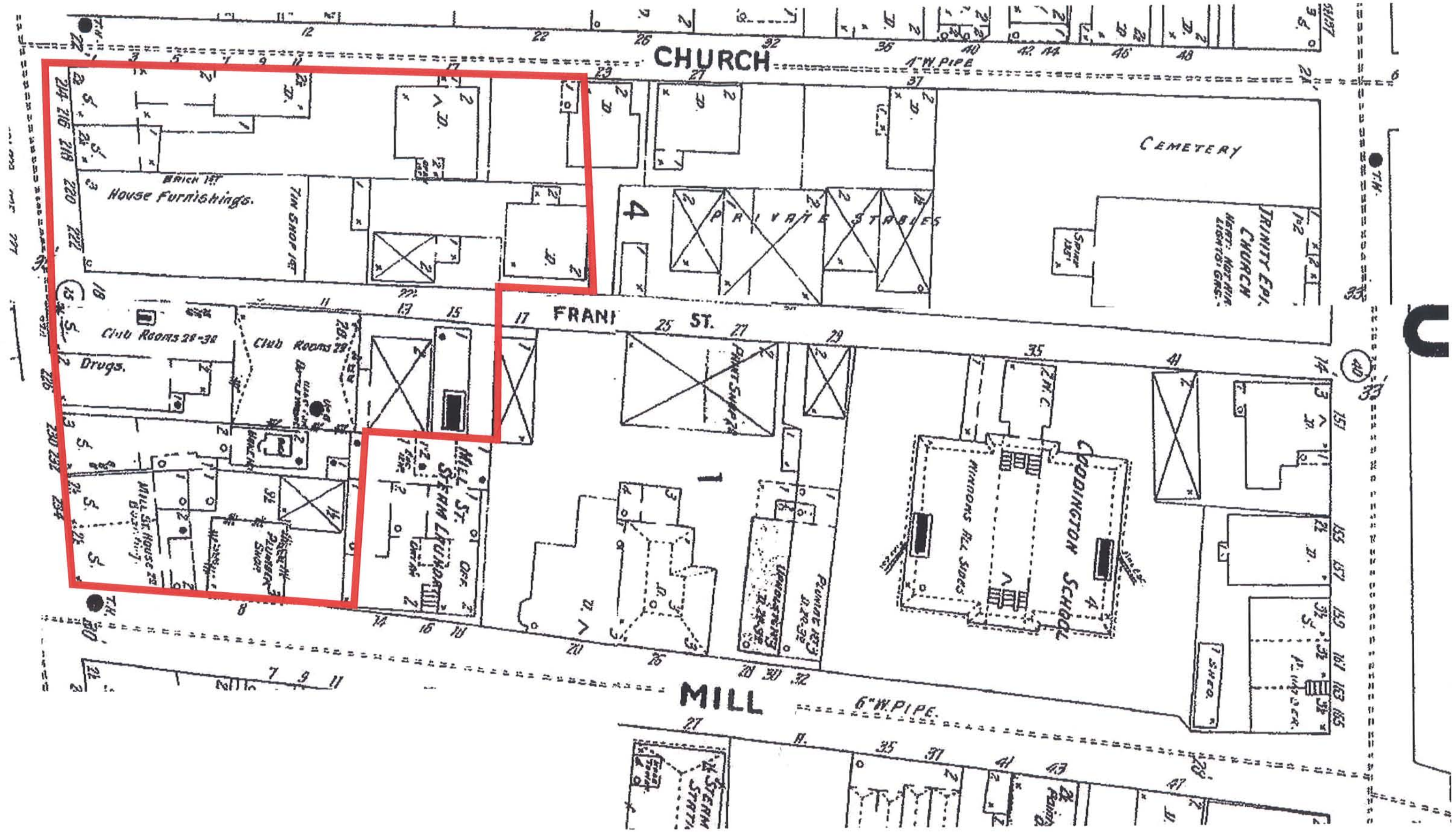
*10 Cottage Street, Norwood, MA 02062
Tel: 781-551-0470 Fax: 781-551-0471*

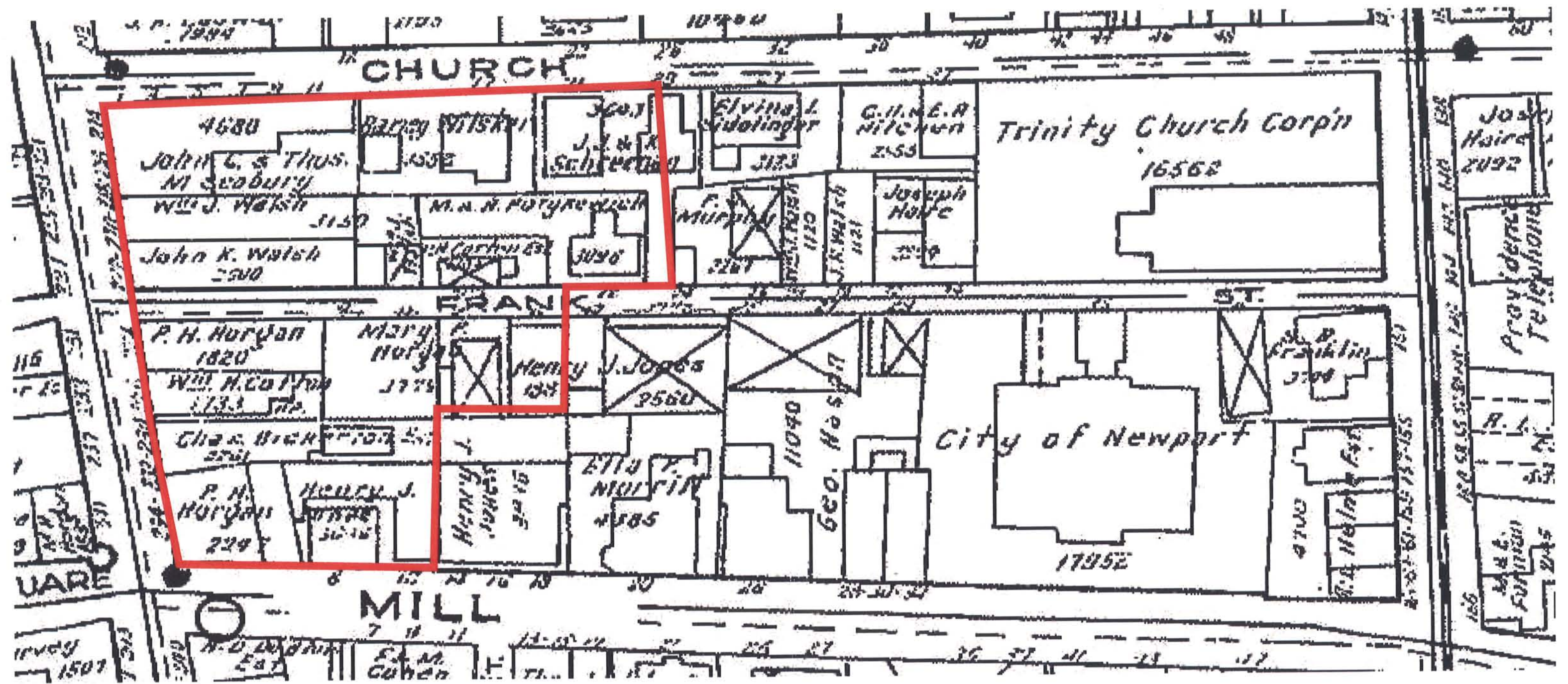


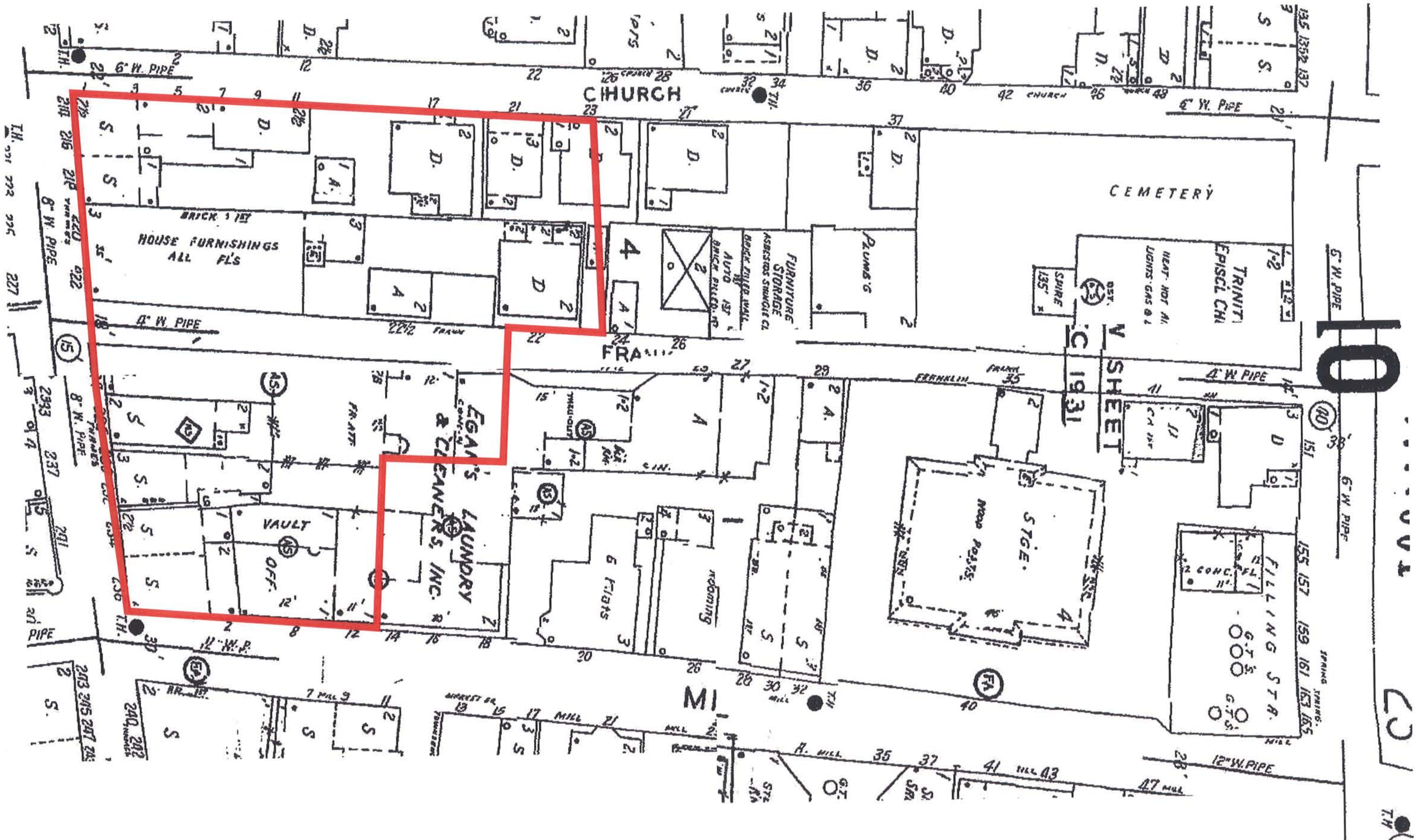
NBORN CO. (Lithographer)
 This is a reproduction of a map, a usual document that is available by







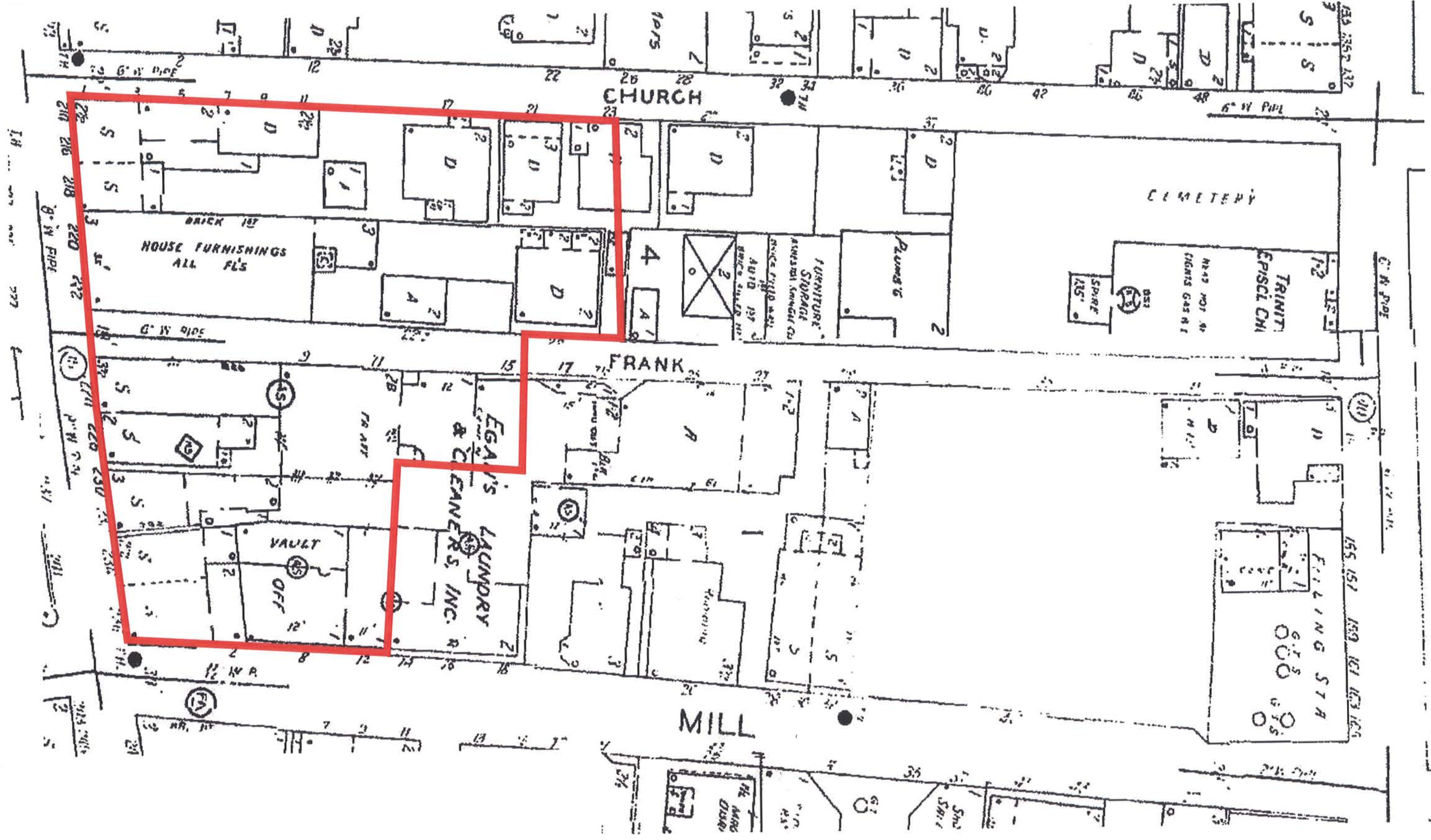




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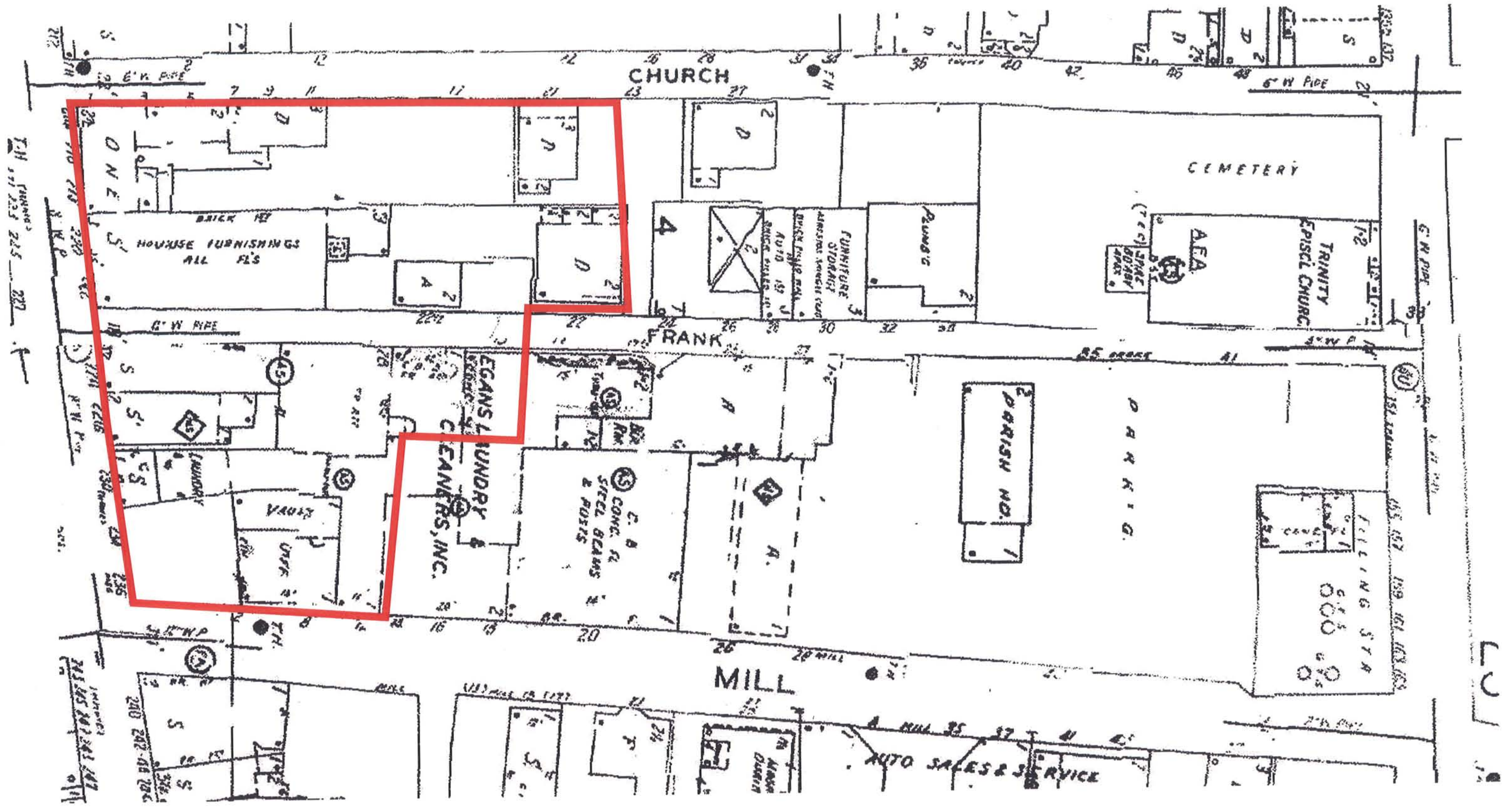
13

1950

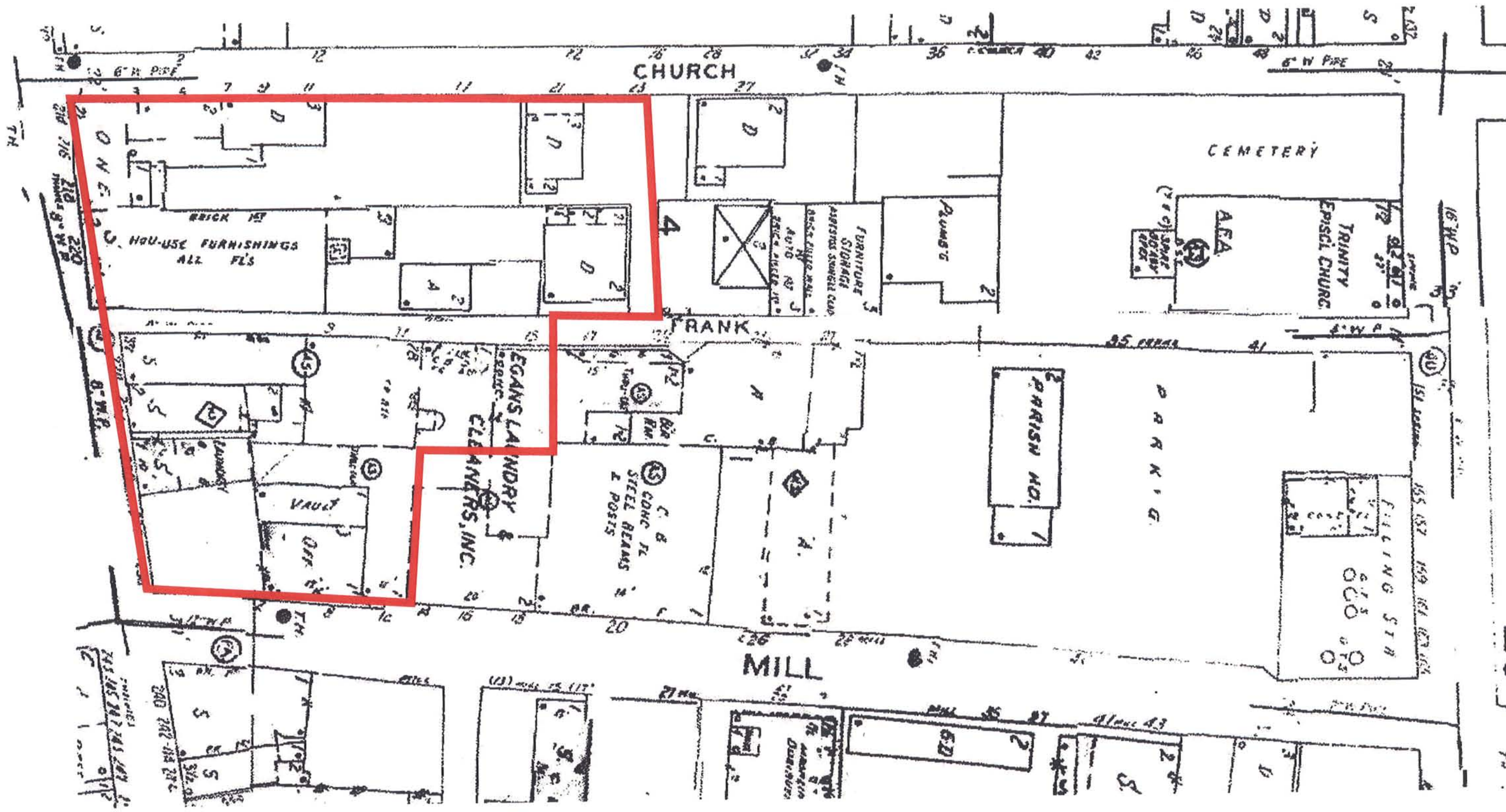


23

1953

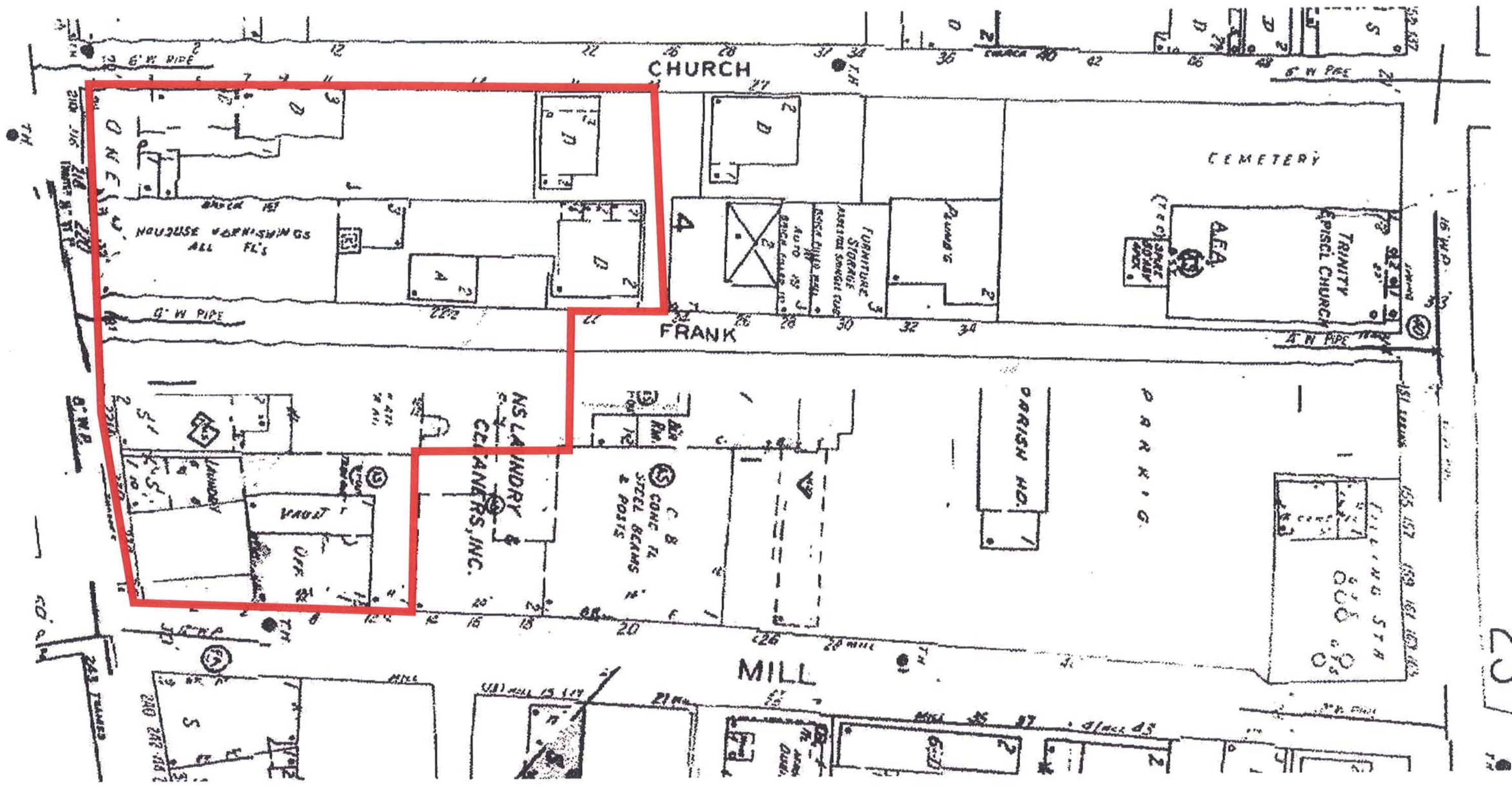


T.M. SWANSON'S
 1971 223 225 227

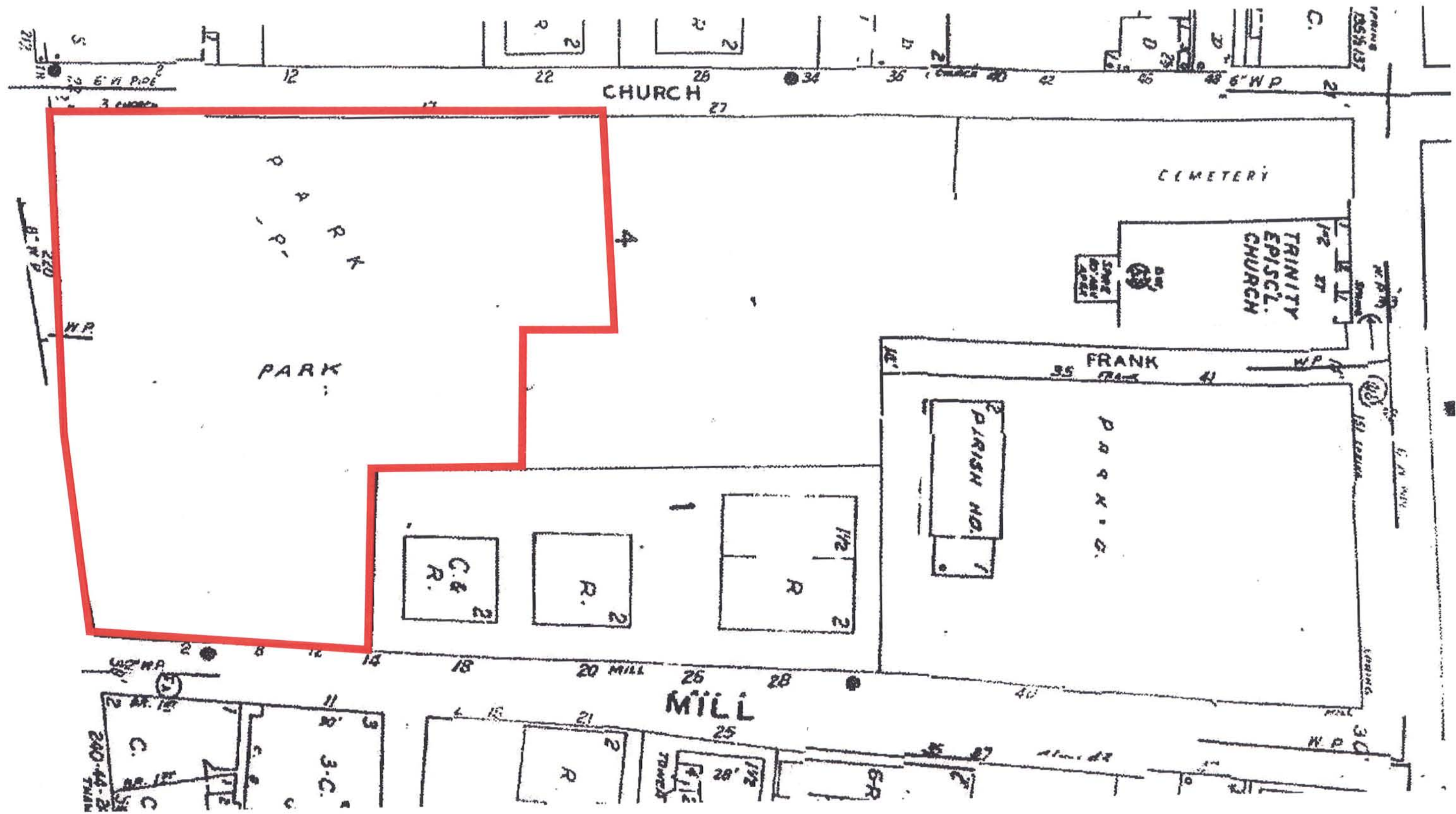


231

1968



1972



1990

APPENDIX B

Dec. 13. 2011, 4:03PM *Mandile*
from: Peter Reas

No. 4633 P. 1 of 1

Robert Foley

From: kentps@aol.com
Sent: Wednesday, December 07, 2011 9:44 PM
To: Robert Foley
Subject: QAS

Greetings Bob

I have read the findings of the State DEM re QAS and the potential of contamination at the Egan Laundry site. It may be helpful if you were to have an informal conversation with Bill Leys. It may well be that the site was cleared of waste prior to HUD releasing the property. Dan Marvell, who is retired from Preservation Society, lives in the 5th ward. He about ran the laundry for Egan and I know from him that there were tanks of heavy #4 or #5 oil and benzine. I feel confident that these were removed years before the laundry shut down, but NRF should make it clear that the property was owned by and cleaned up by HUD prior to transfer.

I would be hurt to see more of my houses sold for an Environmental Cleanup that could cost Millions.

Regards Peter

FIRSTSEARCH

FirstSearch Technology Corporation

Environmental FirstSearch™ Report

Target Property:

QUEEN ANNE SQ

NEWPORT RI 02840

Job Number: S2244

PREPARED FOR:

SAGE Environmental, Inc.

172 Armistice Blvd.

Pawtucket, RI 02860

12-16-11



Tel: (781) 551-0470

Fax: (781) 551-0471

Environmental FirstSearch Search Summary Report

Target Site: QUEEN ANNE SQ
NEWPORT RI 02840

FirstSearch Summary

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2>	ZIP	TOTALS
NPL	Y	09-30-11	1.00	0	0	0	0	1	1	2
NPL Delisted	Y	09-30-11	0.50	0	0	0	0	-	0	0
CERCLIS	Y	09-30-11	0.50	0	0	0	1	-	0	1
NFRAP	Y	09-30-11	0.50	0	0	0	0	-	0	0
RCRA COR ACT	Y	09-13-11	1.00	0	0	0	0	0	0	0
RCRA TSD	Y	09-13-11	0.50	0	0	0	0	-	0	0
RCRA GEN	Y	09-13-11	0.25	0	0	3	-	-	2	5
RCRA NLR	Y	09-13-11	0.25	0	1	0	-	-	10	11
Federal Brownfield	Y	10-01-11	0.50	0	0	0	0	-	0	0
ERNS	Y	10-18-11	0.15	0	0	0	-	-	29	29
Tribal Lands	Y	12-01-05	1.00	0	0	0	0	0	1	1
State/Tribal Sites	Y	11-18-11	1.00	0	1	3	18	10	9	41
State Spills 90	Y	01-04-01	0.25	0	0	7	-	-	45	52
State/Tribal SWL	Y	05-04-11	0.50	0	0	0	0	-	0	0
State/Tribal LUST	Y	11-18-11	0.50	0	2	2	16	-	2	22
State/Tribal UST/AST	Y	11-18-11	0.25	0	9	16	-	-	10	35
State/Tribal EC	Y	NA	0.25	0	0	0	-	-	0	0
State/Tribal IC	Y	09-30-09	0.25	0	0	1	-	-	8	9
State/Tribal VCP	Y	NA	0.50	0	0	0	0	-	0	0
State/Tribal Brownfields	Y	10-01-08	0.50	0	1	0	8	-	4	13
State Other	Y	01-01-07	0.25	0	0	0	-	-	0	0
Federal IC/EC	Y	11-01-11	0.25	0	0	0	-	-	2	2
- TOTALS -				0	14	32	43	11	123	223

Notice of Disclaimer

Due to the limitations, constraints, inaccuracies and incompleteness of government information and computer mapping data currently available to FirstSearch Technology Corp., certain conventions have been utilized in preparing the locations of all federal, state and local agency sites residing in FirstSearch Technology Corp.'s databases. All EPA NPL and state landfill sites are depicted by a rectangle approximating their location and size. The boundaries of the rectangles represent the eastern and western most longitudes; the northern and southern most latitudes. As such, the mapped areas may exceed the actual areas and do not represent the actual boundaries of these properties. All other sites are depicted by a point representing their approximate address location and make no attempt to represent the actual areas of the associated property. Actual boundaries and locations of individual properties can be found in the files residing at the agency responsible for such information.

Waiver of Liability

Although FirstSearch Technology Corp. uses its best efforts to research the actual location of each site, FirstSearch Technology Corp. does not and can not warrant the accuracy of these sites with regard to exact location and size. All authorized users of FirstSearch Technology Corp.'s services proceeding are signifying an understanding of FirstSearch Technology Corp.'s searching and mapping conventions, and agree to waive any and all liability claims associated with search and map results showing incomplete and or inaccurate site locations.

***Environmental FirstSearch
Site Information Report***

Request Date: 12-16-11
Requestor Name: Debbie Keough
Standard: ASTM-05

Search Type: COORD
Job Number: S2244

Target Site: QUEEN ANNE SQ
NEWPORT RI 02840

Demographics

Sites: 223	Non-Geocoded: 123	Population: NA
Radon: 0.1 - 4.6 PCI/L		

Site Location

	<u>Degrees (Decimal)</u>	<u>Degrees (Min/Sec)</u>		<u>UTMs</u>
Longitude:	-71.314223	-71:18:51	Easting:	306799.443
Latitude:	41.487442	41:29:15	Northing:	4595242.813
Elevation:	34		Zone:	19

Comment

Comment:

Additional Requests/Services

Adjacent ZIP Codes: 0 Mile(s)

Services:

<u>ZIP</u>				
<u>Code</u>	<u>City Name</u>	<u>ST</u>	<u>Dist/Dir</u>	<u>Sel</u>

	<u>Requested?</u>	<u>Date</u>
Fire Insurance Maps	No	
Aerial Photographs	No	
Historical Topos	No	
City Directories	No	
Title Search/Env Liens	No	
Municipal Reports	No	
Online Topos	No	

Environmental FirstSearch Sites Summary Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

TOTAL: 223 **GEOCODED:** 100 **NON GEOCODED:** 123 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
1	LUST	TRINITY CHURCH 2224-LS/SRO - SOIL REMOVAL O	QUEEN ANNE SQ NEWPORT RI 02840	0.06 NE	+ 19	1
1	UST	TRINITY CHURCH 16499/PERM CLOSED	QUEEN ANNE SQ NEWPORT RI 02840	0.06 NE	+ 19	1
2	UST	R and D TRUST PROPERTY 18829/PERM CLOSED	142 SPRING ST NEWPORT RI 02840	0.07 SE	+ 22	2
3	RCRANLR	METROPOLITIAN CLEANERS RID018510016/NLR	132 SPRING ST NEWPORT RI 02840	0.08 NE	+ 20	4
3	UST	METROPOLITAN CLEANERS LTD. 01851/PERM CLOSED	132 SPRING ST NEWPORT RI 02840	0.08 NE	+ 20	5
4	BROWNFIELD	PELHAM COURT LLC RIBF-0908-047/ACTIVE	14 PELHAM ST NEWPORT RI 02840	0.08 SE	- 6	5
4	LUST	PELHAM PLACE 2287-LS/A - ACTIVE	14 PELHAM ST NEWPORT RI 02840	0.08 SE	- 6	6
4	STATE	PELHAM COURT LLC PELH-HWM/A = ACTIVE	14 PELHAM ST NEWPORT RI 02840	0.08 SE	- 6	6
5	UST	HARBOR ANTIQUES 18222/PERM CLOSED	134 SPRING ST NEWPORT RI 02840	0.08 NE	+ 15	7
6	UST	BOYS and GIRLS CLUB 18620/PERM CLOSED	95 CHURCH ST NEWPORT RI 02840	0.09 SE	+ 27	7
7	UST	PELHAM GARAGE 15839/PERM CLOSED	17 PELHAM ST NEWPORT RI 02840	0.09 SE	- 4	8
8	UST	NEWPORT HARBOR CENTER 02818/IN USE	THAMES ST NEWPORT RI 02840	0.10 SW	- 33	9
9	UST	PEOPLE S CREDIT UNION, THE 03014/PERM CLOSED	282 THAMES ST NEWPORT RI 02840	0.11 SW	- 14	9
10	UST	BOLUSKY BLDG. (BEN S FURN. CO. 02658/PERM CLOSED	166 THAMES ST NEWPORT RI 02840	0.12 NW	- 19	10
11	UST	SOVEREIGN BANK SITE (APPLE HEA 04143/PERM CLOSED	290 THAMES ST NEWPORT RI 02840	0.13 SW	- 10	10
12	UST	J.J. NEWBERRY 6033 01870/PERM CLOSED	144 THAMES ST NEWPORT RI 02840	0.14 NW	- 18	11
13	UST	U.S.P.S. 02218/PERM CLOSED	320 THAMES ST NEWPORT RI 02840	0.16 SW	- 9	11
14	SPILLS	NEWPORT YACHTING CENTER 96-264	20 COMMERCIAL WHARF NEWPORT RI 02840	0.17 SW	- 24	12
15	UST	OPERA HOUSE, INC. 19087/PERM CLOSED	19 TOURO ST NEWPORT RI 02840	0.17 NW	- 20	12
15	UST	OPERA HOUSE RIUS-0802-33	19 TOURO ST NEWPORT RI 02840	0.17 NW	- 20	13
16	RCRAGN	NEWPORT YACHTING CENTER RIR000501833/SGN	20 COMMERCIAL WHARF NEWPORT RI 02840	0.18 SW	- 26	15

Environmental FirstSearch Sites Summary Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

TOTAL: 223 **GEOCODED:** 100 **NON GEOCODED:** 123 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
17	STATE	LONG WHARF MALL - NORTH LWM-HWM/I = INACTIVE	THAMES ST NEWPORT RI 02840	0.18 NW	- 23	16
17	INSTCONTRO	LONG WHARF MALL - NORTH RI-ELUR-055/ELUR	THAMES ST NEWPORT RI 02840	0.18 NW	- 23	16
18	SPILLS	DEM PIER 9 94-113	9 WASHINGTON ST NEWPORT RI 02840	0.18 NW	- 21	17
19	LUST	COLONY HOUSE SUNOCO 2203-LS/SRO - SOIL REMOVAL O	SPRING ST NEWPORT RI 02840	0.19 NE	+ 9	17
19	RCRAGN	TEXACO STA/COFFEYS SERVICE STA RID987480811/SGN	48 TOURO 29 SPRING ST NEWPORT RI 02840	0.19 NE	+ 9	19
19	UST	COFFEY S TEXACO 00734/IN USE	48 TOURO ST NEWPORT RI 02840	0.19 NE	+ 9	20
20	UST	BANNISTER S WHARF, INC. 00070/IN USE	BANNISTER S WHARF NEWPORT RI 02840	0.19 NW	- 33	21
20	SPILLS	12978	BANNISTER WHARF NEWPORT RI 02840	0.19 NW	- 33	22
20	SPILLS	BANISTER WHARF 99-272	BANISTER WHARF NEWPORT RI 02840	0.19 NW	- 33	22
21	UST	BANK OF NEW ENGLAND/OLD COLONY 02219/PERM CLOSED	8 WASHINGTON SQ NEWPORT RI 02840	0.19 NW	- 24	23
22	UST	TOURO SYNAGOGUE 02376/PERM CLOSED	85 TOURO ST NEWPORT RI 02840	0.19 NE	+ 24	24
23	STATE	TOURO SYNAGOGUE VISTORS CENTER TORS-HWM/A = ACTIVE	50 SPRING ST NEWPORT RI 02840	0.20 NE	+ 7	25
24	UST	MOSHER S SERVICE STATION 00239/PERM CLOSED	DUKE ST NEWPORT RI 02840	0.20 NW	- 24	26
25	UST	ODDFELLOWS HALL 03449/PERM CLOSED	3 CHARLES ST NEWPORT RI 02840	0.20 NW	- 20	27
26	UST	SULLIVAN PROPERTY 18737/PERM CLOSED	38 WASHINGTON SQ NEWPORT RI 02840	0.20 NE	- 15	27
27	RCRAGN	BRUCE N SUNDERLAND DDS RIR000500892/SGN	37 LONG WHARF MALL NEWPORT RI 02840	0.21 NW	- 27	29
28	UST	RICHARD D ADDARIO 18757/PERM CLOSED	ONE COURTHOUSE SQ NEWPORT RI 02840	0.21 NE	+ 2	30
28	SPILLS	ONE COURT HOUSE SQ 97-560	ONE COURT HOUSE SQ NEWPORT RI 02840	0.21 NE	+ 2	30
29	UST	CHANLER HOTEL 19164/PERM CLOSED	117 MEMORIAL BLVD NEWPORT RI 02840	0.23 SE	- 16	31
29	UST	CHANLER HOTEL RIUS-0802-9	117 MEMORIAL BLVD NEWPORT RI 02840	0.23 SE	- 16	31

Environmental FirstSearch Sites Summary Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

TOTAL: 223 **GEOCODED:** 100 **NON GEOCODED:** 123 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
30	LUST	HOTEL VIKING 2238-ST/SRO - SOIL REMOVAL O	CHURCH ST NEWPORT RI 02840	0.24 NE	+ 57	32
30	UST	HOTEL VIKING NEWPORT 00079/PERM CLOSED	ONE BELLEVUE AVE NEWPORT RI 02840	0.24 NE	+ 57	33
31	SPILLS	PARASCANDOLA DOCK 96-156	PARASCANDOLA DOCK NEWPORT RI 02840	0.25 SW	- 34	34
31	SPILLS	SEE PREVIOUS REPORT 95-156	PARASCANDOLA DOCK NEWPORT RI 02840	0.25 SW	- 34	34
31	STATE	PARASCONDOLA FISH COMPANY PARA-HWM/A = ACTIVE	PERRY MILL WHARF NEWPORT RI 02840	0.25 SW	- 34	35
32	STATE	CHRISTIE S CHRT-HWM/A = ACTIVE	351 THAMES ST NEWPORT RI 02840	0.26 SW	- 25	35
32	BROWNFIELD	CHRISTIE S RIBF-0908-046/ACTIVE	351 THAMES ST NEWPORT RI 02840	0.26 SW	- 25	36
33	STATE	INN ON THE HARBOR IOTH-HWM/A = ACTIVE	359 THAMES ST NEWPORT RI 02840	0.26 SW	- 25	36
34	STATE	NEWPORT MARRIOTT NMRT-HWM/I = INACTIVE	25 AMERICAS CUP AVE NEWPORT RI 02840	0.26 NW	- 34	38
35	LUST	BELLEVUE MANOR 2250-ST/SRO - SOIL REMOVAL O	10 BELLEVUE AVE NEWPORT RI 02840	0.26 NE	+ 61	38
36	LUST	COFFEY S TEXACO 2209-LS/A - ACTIVE	29 SPRING ST NEWPORT RI 02840	0.26 NE	0	38
37	STATE	WEST MARLBOROUGH ST. PROPERTY WMAR-HWM/I = INACTIVE	6 W MARLBOROUGH ST NEWPORT RI 02840	0.27 NW	- 27	38
37	BROWNFIELD	WEST MARLBOROUGH ST. PROPERTY ELUR-0307-038/ELUR	6 W MARLBOROUGH ST NEWPORT RI 02840	0.27 NW	- 27	39
37	BROWNFIELD	WEST MARLBOROUGH ST. PROPERTY RIBF-038/ACTIVE	6 W MARLBOROUGH NEWPORT RI 02840	0.27 NW	- 27	39
38	LUST	NEWPORT HARBOR CENTER 2286-ST/I - INACTIVE	365 THAMES ST NEWPORT RI 02840	0.27 SW	- 26	40
39	BROWNFIELD	REDWOOD LIBRARY RIBF-0106-081/ACTIVE	50 BELLEVUE AVE NEWPORT RI 02840	0.28 SE	+ 58	40
39	STATE	REDWOOD LIBRARY REDW-HWM/A = ACTIVE	50 BELLEVUE AVE NEWPORT RI 02840	0.28 SE	+ 58	41
40	STATE	EASTERN RESORTS (SEE LONG WHAR EARE-HWM/A = ACTIVE	125 and 126-128 LONG WHARF NEWPORT RI 02840	0.29 NW	- 34	41
41	LUST	DEL NERO CLEANERS and LAUNDRY 2268-ST/A - ACTIVE	11 FAREWELL ST NEWPORT RI 02840	0.30 NE	- 11	43
42	STATE	INN ON LONG WHARF IOLW-HWM/A = ACTIVE	142 LONG WHARF NEWPORT RI 02840	0.31 NW	- 34	43

Environmental FirstSearch Sites Summary Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

TOTAL: 223 **GEOCODED:** 100 **NON GEOCODED:** 123 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
43	LUST	CITY OF NEWPORT SEWAGE PUMPING 2215-LS/SRO - SOIL REMOVAL O	LONG WHARF NEWPORT RI 02840	0.31 NW	- 31	43
44	LUST	NYNEX 2231-LS/I - INACTIVE	20 BULL ST NEWPORT RI 02840	0.32 NE	+ 25	43
45	CERCLIS	LONG WHARF AREA RID987493335/NOT PROPOSED	CORNER OF LONG WHARF and WA NEWPORT RI 02840	0.34 NW	- 34	44
46	STATE	LONG WHARF LW-SFA/A = ACTIVE	LONG WHARF and WASHINGTON NEWPORT RI 02840	0.34 NW	- 34	45
46	STATE	LONG WHARF LWH-HWM/I = INACTIVE	LONG WHARF and WASHINGTON NEWPORT RI 02840	0.34 NW	- 34	45
47	LUST	NEWPORT LIBRARY 2256-ST/I - INACTIVE	300 SPRING ST NEWPORT RI 02840	0.35 SE	- 1	48
48	STATE	NEWPORT ON SHORE NONS-HWM/A = ACTIVE	405 THAMES ST NEWPORT RI 02840	0.36 SW	- 21	48
49	LUST	MARTIN LUTHER KING 2221-LS/I - INACTIVE	20 W W. BROADWAY NEWPORT RI 02840	0.36 NE	- 4	48
50	STATE	EASTERN ICE COMPANY EICE-HWM/A = ACTIVE	10 BROWN and HOWARD WHARF NEWPORT RI 02840	0.37 SW	- 23	48
51	LUST	BAYSIDE APARTMENTS 2218-LS/I - INACTIVE	3 ST NEWPORT RI 02840	0.37 NW	- 30	48
51	LUST	BAYSIDE APARTMENTS 2276-ST/I - INACTIVE	3 ST NEWPORT RI 02840	0.37 NW	- 30	48
52	STATE	AMERICAN SHIPYARD AMSH-HWM/A = ACTIVE	WASHINGTON ST NEWPORT RI 02840	0.39 NW	- 34	48
52	LUST	AMERICIAN SHIPYARD 2262-ST/I - INACTIVE	1 WASHINGTON ST NEWPORT RI 02840	0.39 NW	- 34	50
53	STATE	LEE S WHARF LEES-HWM/A = ACTIVE	THAMES ST NEWPORT RI 02840	0.39 SW	- 25	50
54	LUST	TRAVERS BUILDING 2229-LS/SRO - SOIL REMOVAL O	174 BELLEVUE AVE NEWPORT RI 02840	0.41 SE	+ 49	50
55	LUST	NEWPORT HOUSING AUTHORITY 2292-ST/I - INACTIVE	19 CHAPEL ST NEWPORT RI 02840	0.43 SE	+ 38	50
55	BROWNFIELD	NATIONAL GRID - NEWPORT HOUSIN RIBF-0307-044/ACTIVE	19 CHAPEL ST NEWPORT RI 02840	0.43 SE	+ 38	51
55	BROWNFIELD	NATIONAL GRID - NEWPORT HOUSIN RIBF-0908-119/ACTIVE	19 CHAPEL ST NEWPORT RI 02840	0.43 SE	+ 38	51
55	STATE	NATIONAL GRID - NEWPORT HOUSIN NENH-HWM/I = INACTIVE	19 CHAPEL ST NEWPORT RI 02840	0.43 SE	+ 38	52
56	STATE	PIER RESTAURANT PIER-HWM/I = INACTIVE	HOWARD WHARF NEWPORT RI 02840	0.43 SW	- 16	52

Environmental FirstSearch Sites Summary Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

TOTAL: 223 **GEOCODED:** 100 **NON GEOCODED:** 123 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
56	BROWNFIELD	PIER RESTAURANT RIBF-164/ACTIVE	HOWARD WHARF NEWPORT RI 02840	0.43 SW	- 16	53
57	STATE	HOWARD WHARF HOWW-HWM/ACTIVE	HOWARD WHARF NEWPORT RI 02840	0.44 SW	- 27	53
58	STATE	THAMES PIER THAM-HWM/A = ACTIVE	449 THAMES ST NEWPORT RI 02840	0.44 SW	- 15	54
59	LUST	FOLEY S GULF SERVICE 2265-LS/I - INACTIVE	105 BROADWAY NEWPORT RI 02840	0.47 NE	+ 8	54
60	BROWNFIELD	SPRING WHARF ASSOCIATES, LLC RIBF-0309-025/ACTIVE	10 SPRING WHARF NEWPORT RI 02840	0.49 SW	- 32	55
60	STATE	SPRING WHARF ASSOCIATES, LLC SPRW-HWM/I = INACTIVE	10 SPRING WHARF NEWPORT RI 02840	0.49 SW	- 32	55
61	LUST	HUNT HOUSE 2257-ST/I - INACTIVE	54 WASHINGTON ST NEWPORT RI 02840	0.49 NW	- 27	56
62	LUST	TALLMAN AND MACK 2243-LS/SRO - SOIL REMOVAL O	SPRING WHARF NEWPORT RI 02840	0.49 SW	- 34	56
63	STATE	WAITE S WHARF WAIT-HWM/I = INACTIVE	SOUTH WAITE WHARF NEWPORT RI 02840	0.54 SW	- 34	56
64	STATE	PEOPLE S CREDIT UNION PECU-HWM/I = INACTIVE	43 MEMORIAL BLVD NEWPORT RI 02840	0.58 SE	+ 22	57
65	STATE	PROVIDENCE GAS COMPANY 1 PGC1-SFA/I = INACTIVE	543 THAMES ST NEWPORT RI 02840	0.65 SW	- 25	57
65	STATE	PROVIDENCE GAS COMPANY 1 PGC1-SFA/I	543 THAMES ST NEWPORT RI 02840	0.65 SW	- 25	58
65	STATE	PROVIDENCE GAS COMPANY 1 PGC1-HWM/A = ACTIVE	543 THAMES ST NEWPORT RI 02840	0.65 SW	- 25	58
65	STATE	PROVIDENCE GAS COMPANY 2 PGC2-SFA/I = INACTIVE	543 THAMES ST NEWPORT RI 02840	0.65 SW	- 25	59
65	STATE	PROVIDENCE GAS MGP NEWP PMGP-HWM/A = ACTIVE	543 THAMES ST NEWPORT RI 02840	0.65 SW	- 25	59
66	STATE	SHELL FACILITY 139044 (FORME SHEN-HWM/A = ACTIVE	560 THAMES ST NEWPORT RI 02840	0.69 SE	- 19	60
67	STATE	HYATT REGENCY -GOAT ISLAND HYAT-HWM/A = ACTIVE	ONE GOAT ISLAND NEWPORT RI 02840	0.72 NW	- 34	60
68	STATE	AARDVARK ANTIQUES AARD-HWM/I = INACTIVE	9 J T CONNELL HWY NEWPORT RI 02840	0.84 NW	- 18	61
69	NPL	NEWPORT NAVAL EDUCATION/TRAINI RI6170085470/FINAL	DEFENSE HGWY (BURMA RD) MIDDLETOWN RI 02840	0.96 NW	N/A	63

Environmental FirstSearch Sites Summary Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

TOTAL: 223 **GEOCODED:** 100 **NON GEOCODED:** 123 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
NPL		DOD/NETC/OLD FIRE FIGHTING TRA RI3170022112/PART OF NPL	COASTERS HARBOR ISLAND NEWPORT RI 02840	NON GC	N/A	N/A
RCRAGN		COMMUNITY COLLEGE OF RI NEWPOR RIR000504407/SGN	1 JOHN H CHAFFEE BLVD NEWPORT RI 02840	NON GC	N/A	N/A
RCRAGN		MUSEUM OF YACHTING THE RIR000507715/SGN	FORT ADAMS STATE PARK NEWPORT RI 02840	NON GC	N/A	N/A
RCRANLR		BELL ATLANTIC RIP000019373/NLR	DUKE MARLBORO (MH 03-01) NEWPORT RI 02840	NON GC	N/A	N/A
RCRANLR		EASTERN ICE CO INC RID980668628/NLR	BROWN AND HOWARD WHARF NEWPORT RI 02840	NON GC	N/A	N/A
RCRANLR		INTERNATIONAL RESOURCES RID980510416/NLR	BELLEVUE AVE NEWPORT RI 02840	NON GC	N/A	N/A
RCRANLR		MH 391 LONG WHARF RIP000028408/NLR	MH 391 LONG WHARF NEWPORT RI 02840	NON GC	N/A	N/A
RCRANLR		MILL AND SPRING ST RIP000027331/NLR	MILL and SPRING ST NEWPORT RI 02840	NON GC	N/A	N/A
RCRANLR		NATIONAL GRID RIP000029155/NLR	SPRING ST and PELHAM ST NEWPORT RI 02840	NON GC	N/A	N/A
RCRANLR		NATIONAL GRID RIP000029877/NLR	MILL ST. and SPRING ST NEWPORT RI 02840	NON GC	N/A	N/A
RCRANLR		SUNOCO SERVICE STATION RID000843037/NLR	UNKNOWN NEWPORT RI 02840	NON GC	N/A	N/A
ERNS		USN-TRACEN NEWPORT 338832/HIGHWAY RELATED	STATE HWY 138 BETWEEN MIDDLE NEWPORT RI 02840	NON GC	N/A	N/A
UST		RESIDENTIAL PROPERTY 18896/PERM CLOSED	SOUTH PRICE NECK RD NEWPORT RI 02840	NON GC	N/A	N/A
SPILLS		NETC TANK FARM 4 97-028	NETC TANK FARM NEWPORT RI 02840	NON GC	N/A	N/A
SPILLS		MIDDLETOWN IND PARK 97-165-1	MIDDLETOWN IND PARK MIDDLETOWN RI 02840	NON GC	N/A	N/A
SPILLS		FORT ADAMS 94-301	NORTH FACE OF SEAWALL NEWPORT RI	NON GC	N/A	N/A
SPILLS		CONNELL HIGHWAY 98-138	CONNELL HWY NEWPORT RI 02840	NON GC	N/A	N/A
SPILLS		CLIFF WALK 95-348	CLIFF WALK NEWPORT RI 02840	NON GC	N/A	N/A
SPILLS		CANNELL HIGHWAY 98-006	CANNELL HWY NEWPORT RI 02840	NON GC	N/A	N/A
SPILLS		BANNISTER WHARF 96-297	NEWPORT HARBOR NEWPORT RI	NON GC	N/A	N/A

Environmental FirstSearch Sites Summary Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

TOTAL: 223 **GEOCODED:** 100 **NON GEOCODED:** 123 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
	ERNS	NRC-778130/MOBILE	AMERICAN SHIPYARD 1 WASHING NEWPORT RI	NON GC	N/A	N/A
	ERNS	559248/UNKNOWN	SOUTH BRENTON POINT RI BY B NEWPORT RI 02840	NON GC	N/A	N/A
	ERNS	NRC-757025/FIXED	WASHINGTON SQ NEWPORT RI	NON GC	N/A	N/A
	SPILLS	NEWPORT HARBOR 96-296	NEWPORT HARBOR NEWPORT RI	NON GC	N/A	N/A
	ERNS	591517/MARINE- RELEASED FRO	NEWPORT HARBOR CENTRAL EAST NEWPORT RI	NON GC	N/A	N/A
	SPILLS	NEWPORT HARBOR 98-204	NEWPORT HARBOR NEWPORT RI	NON GC	N/A	N/A
	ERNS	US NAVY BASE 217810/FIXED FACILITY	CONSTRUCTION BATTALION CENT NEWPORT RI	NON GC	N/A	N/A
	ERNS	UNDER TEA HOUSE - MARBLE HOUSE NRC-775060/MOBILE	CLIFF WALK NEWPORT RI	NON GC	N/A	N/A
	ERNS	TANK FARM NRC-799693/FIXED	W OF 142 LONG WHARF and WAS NEWPORT RI	NON GC	N/A	N/A
	ERNS	SEE LAT/LON NRC-943765/VESSEL	SEE LAT/LON NEWPORT RI	NON GC	N/A	N/A
	ERNS	PIER 1 NAVFAC MIDLANT ENVIRONM NRC-988970/MOBILE	PIER 1 NAVFAC MIDLANT ENVIR NEWPORT RI	NON GC	N/A	N/A
	FED IC/EC	NEWPORT NAVAL EDUCATION and TR RI6170085470-IC/EPA INST CONTROL	DEFENSE HWY (BURMA RD) NEWPORT RI	NON GC	N/A	N/A
	FED IC/EC	NEWPORT NAVAL EDUCATION and TR RI6170085470-EC/EPA ENG CONTROL	DEFENSE HWY (BURMA RD) NEWPORT RI	NON GC	N/A	N/A
	INSTCONTRO	TONOMY HILL REVITALIZATION - P RIBF-037/ELUR	MAPLE and GIRARD AVE NEWPORT RI	NON GC	N/A	N/A
	INSTCONTRO	TONOMY HILL REVITALIZATION - P RIBF-0106-056/ELUR	MAPLE and GIRARD AVE NEWPORT RI	NON GC	N/A	N/A
	INSTCONTRO	PIER RESTAURANT RIBF-164/ELUR	HOWARD WHARF NEWPORT RI	NON GC	N/A	N/A
	INSTCONTRO	NEW VISIONS (FORMER CONNEL MAN RIBF-0908-016/ELUR	RANGER RD NEWPORT RI	NON GC	N/A	N/A
	RCRANLR	RAYTHEON CO SUB SIG II RID981206154/NLR	PIER 171 NEWPORT NAVAL BASE MIDDLETOWN RI 02840	NON GC	N/A	N/A
	ERNS	NRC-710918/FIXED	BUILDING 7 NEWPORT RI	NON GC	N/A	N/A
	SPILLS	94-197	OCEAN DR NEWPORT RI 02840	NON GC	N/A	N/A

Environmental FirstSearch Sites Summary Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

TOTAL: 223 **GEOCODED:** 100 **NON GEOCODED:** 123 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
	INSTCONTRO	C.C.R.I. NEWPORT -(FORMER CONN RIBF-0309-024/ELUR	RANGER RD NEWPORT RI	NON GC	N/A	N/A
	INSTCONTRO	AARDVARK ANTIQUES RIBF-034/ELUR	9 JT OCONNELL HWY NEWPORT RI	NON GC	N/A	N/A
	TRIBALLAND	BUREAU OF INDIAN AFFAIRS CONTA BIA-02840	UNKNOWN RI 02840	NON GC	N/A	N/A
	BROWNFIELD	TONOMY HILL REVITALIZATION - P RIBF-0309-004/ACTIVE	WINSLOW, HOBBS and CAPERTON NEWPORT RI	NON GC	N/A	N/A
	BROWNFIELD	NEW VISIONS (FORMER CONNELL MAN RIBF-0908-016/ACTIVE	RANGER RD NEWPORT RI	NON GC	N/A	N/A
	BROWNFIELD	C.C.R.I. NEWPORT -(FORMER CONN RIBF-0309-024/ACTIVE	RANGER RD NEWPORT RI	NON GC	N/A	N/A
	BROWNFIELD	BANK OF NEWPORT (REF: CCRNEWPO RIBF-0908-074/ACTIVE	JOHN H CHAFEE BLVD NEWPORT RI 02840	NON GC	N/A	N/A
	LUST	NEWPORT REALTY (EASTERN RESORT 2293-LS/SRO - SOIL REMOVAL O	125 - 135 and 126-128 LONG NEWPORT RI	NON GC	N/A	N/A
	LUST	HAIGNEY PROPERTY 2274-LS/SRO - SOIL REMOVAL O	PRICE NECK RD NEWPORT RI 02840	NON GC	N/A	N/A
	SPILLS	93-027	AMERICA S BLVD NEWPORT RI 02840	NON GC	N/A	N/A
	SPILLS	11400	BFI INDUSTRIAL WAY NEWPORT RI	NON GC	N/A	N/A
	SPILLS	NEWPORT 98-215	NEWPORT NEWPORT RI 02840	NON GC	N/A	N/A
	SPILLS	12310	GOAT ISLAND NEWPORT RI	NON GC	N/A	N/A
	UST	NIMITZ FIELD 19111/PERM CLOSED	ELLIOTT and VAUGHN ST NEWPORT RI	NON GC	N/A	N/A
	SPILLS	96-025	UNKNOWN MIDDLETOWN RI 02840	NON GC	N/A	N/A
	SPILLS	96-375	UNKNOWN NEWPORT RI 02840	NON GC	N/A	N/A
	SPILLS	98-290	UNKNOWN NEWPORT RI 02840	NON GC	N/A	N/A
	SPILLS	98-440	UNKNOWN NEWPORT RI 02840	NON GC	N/A	N/A
	SPILLS	98-483	UNKNOWN NEWPORT RI 02840	NON GC	N/A	N/A
	SPILLS	98-571	UNKNOWN NEWPORT RI 02840	NON GC	N/A	N/A

Environmental FirstSearch Sites Summary Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

TOTAL: 223 **GEOCODED:** 100 **NON GEOCODED:** 123 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
	SPILLS	98-582	UNKNOWN NEWPORT RI 02840	NON GC	N/A	N/A
	SPILLS	98-584	UNKNOWN NEWPORT RI 02840	NON GC	N/A	N/A
	SPILLS	98-586	UNKNOWN NEWPORT RI 02840	NON GC	N/A	N/A
	SPILLS	SAME 97-513	SAME NEWPORT RI 02840	NON GC	N/A	N/A
	SPILLS	OFF OF THAMES ST 97-449	OFF OF THAMES ST NEWPORT RI 02840	NON GC	N/A	N/A
	SPILLS	NEWPORT HARBOR 99-236	NEWPORT HARBOR NEWPORT RI	NON GC	N/A	N/A
	SPILLS	12589	KING PHILIP RD NEWPORT RI	NON GC	N/A	N/A
	ERNS	NAVSTA PIER 2 NRC-977351/STORAGE TANK	NAVSTA PIER 2 NEWPORT RI	NON GC	N/A	N/A
	INSTCONTRO	NEW VISIONS (FORMER CONNEL MAN RI-ELUR-0908-016/ACTIVE	RANGER RD NEWPORT RI	NON GC	N/A	N/A
	STATE	NEWPORT SEWER REPLACEMENT PROJ SEWR-HWM/A = ACTIVE	STREETS OF NEWPORT NEWPORT RI	NON GC	N/A	N/A
	STATE	NEWPORT ELECTRIC NEWE-HWM/I = INACTIVE	VERNON AVE NEWPORT RI 02840	NON GC	N/A	N/A
	STATE	NEWPORT - STATION 1 WATER TREA NWTP-HWM/A = ACTIVE	100 BLISS MINE ROAD NEWPORT RI	NON GC	N/A	N/A
	STATE	MAINBRACE RESTAURANT MNBR-HWM/I = INACTIVE	LONG WHARF NEWPORT RI 02840	NON GC	N/A	N/A
	STATE	FORT GREENE FGR-FUDS/A = ACTIVE	UNKNOWN NEWPORT RI	NON GC	N/A	N/A
	STATE	EAST BAY MET SCHOOL - NEWPORT EMET-HWM/A = ACTIVE	1 YORK ST NEWPORT RI 02840	NON GC	N/A	N/A
	ERNS	NORTH OF ROSE ISLAND, NARRAGAN NRC-915965/VESSEL	NORTH OF ROSE ISLAND, NARRA NEWPORT RI	NON GC	N/A	N/A
	ERNS	NEWPORT NAVAL BASE, COASTERS H NRC-918491/FIXED	NEWPORT NAVAL BASE, COASTER NEWPORT RI	NON GC	N/A	N/A
	ERNS	NEWPORT HOTEL NRC-567254/FIXED	AMERICAS CUP AVE NEWPORT RI	NON GC	N/A	N/A
	ERNS	NEWPORT HARBOR 1 WASHINGTON ST NRC-940057/FIXED	1 WASHINGTON NEWPORT RI	NON GC	N/A	N/A
	STATE	TONOMY HILL REVITALIZATION - P THP2-HWMREDW-HWM/ACTIVE	MAPLE and GIRARD AVE NEWPORT RI	NON GC	N/A	N/A

Environmental FirstSearch Sites Summary Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

TOTAL: 223 **GEOCODED:** 100 **NON GEOCODED:** 123 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
	ERNS	NEAR NARRAGANSETT BAY NRC-810750/FIXED	NEWPORT BRIDGE NEWPORT RI	NON GC	N/A	N/A
	STATE	TONOMY HILL REVITALIZATION - P THP5-HWM/A = ACTIVE	COWIE, CHADWICK, EVANS, and NEWPORT RI	NON GC	N/A	N/A
	ERNS	NAVAL STATION NEWPORT, UNDER P NRC-908012/FIXED	NAVAL STATION NEWPORT, UNDE NEWPORT RI	NON GC	N/A	N/A
	ERNS	NAVAL STATION NEWPORT SEE DESC NRC-974087/FIXED	NAVAL STATION NEWPORT SEE D NEWPORT RI	NON GC	N/A	N/A
	ERNS	NAVAL STATION NEWPORT PIER 1 NRC-885842/FIXED	NAVAL STATION NEWPORT PIER NEWPORT RI	NON GC	N/A	N/A
	ERNS	NAVAL STATION NEWPORT NRC-933756/FIXED	NAVAL STATION NEWPORT NEWPORT RI	NON GC	N/A	N/A
	ERNS	IN THE PARKING LOT OF BLDG 47 NRC-864223/MOBILE	IN THE PARKING LOT OF BLDG NEWPORT RI	NON GC	N/A	N/A
	ERNS	FORT ADAMS NRC-790220/MOBILE	UNKNOWN NEWPORT RI	NON GC	N/A	N/A
	ERNS	FIRST BEACH NRC-611812/FIXED	UNKNOWN NEWPORT RI	NON GC	N/A	N/A
	ERNS	DFSP MELVILLE (AN OLD ABANDON NRC-954255/FIXED	DFSP MELVILLE (AN OLD ABAND NEWPORT RI	NON GC	N/A	N/A
	ERNS	CMC ENGINEERING 235642/HIGHWAY RELATED	NARRAGANSETT BAY NEWPORT RI	NON GC	N/A	N/A
	ERNS	BUILDING 355 NAVAL STATION NEW NRC-703839/FIXED	UNKNOWN NEWPORT RI	NON GC	N/A	N/A
	ERNS	BRENTON POINT NRC-952463/VESSEL	BRENTON POINT NEWPORT RI	NON GC	N/A	N/A
	INSTCONTRO	MAINBRACE RESTAURANT RI-ELUR-056/ELUR	LONG WHARF NEWPORT RI	NON GC	N/A	N/A
	ERNS	NEWPORT HARBOR NRC-983892/FIXED	NEWPORT HARBOR NEWPORT RI	NON GC	N/A	N/A
	SPILLS	9898	3RD ST NEWPORT RI 02840	NON GC	N/A	N/A
	UST	NEWPORT TENT COMPANY, INC. 01644/PERM CLOSED	P.O. BOX 3069 NEWPORT RI 02840	NON GC	N/A	N/A
	UST	NAVAL STATION NEWPORT 04379/PERM CLOSED	NULL NEWPORT RI	NON GC	N/A	N/A
	UST	NAVAL STATION AREA 04163/PERM CLOSED	BRETT and VAUGHN NEWPORT RI	NON GC	N/A	N/A
	UST	NAVAL EDUCATION and TRAINING C 18976/PERM CLOSED	BUILDING W-36 NEWPORT RI	NON GC	N/A	N/A

Environmental FirstSearch Sites Summary Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

TOTAL: 223 **GEOCODED:** 100 **NON GEOCODED:** 123 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
	UST	KER AVOR 15029/PERM CLOSED	HARRISON AVE NEWPORT RI 02840	NON GC	N/A	N/A
	UST	EAST BAY VILLAGE 18227/PERM CLOSED	969 W MAIN RD NEWPORT RI 02840	NON GC	N/A	N/A
	UST	DEPT. OF THE NAVY - CHAPEL OF 03985/PERM CLOSED	DONAVAN - WHIPPLE - ELLIOT NEWPORT RI	NON GC	N/A	N/A
	UST	DEPARTMENT OF THE NAVY RIUS-0811-001/PERM CLOSED	NULL NEWPORT RI	NON GC	N/A	N/A
	SPILLS	94-105	CAROL AVE NEWPORT RI 02840	NON GC	N/A	N/A
	SPILLS	93-043	ADMIRAL KALBFUS RD NEWPORT RI 02840	NON GC	N/A	N/A
	SPILLS	99-392	UNKNOWN NEWPORT RI 02840	NON GC	N/A	N/A
	STATE	NEWPORT VOCATIONAL SCHOOL NVS-HWMI = INACTIVE	OLD FORTE RD NEWPORT RI 02840	NON GC	N/A	N/A
	SPILLS	12942	and KILBURN COURT NEWPORT RI 02840	NON GC	N/A	N/A
	RCRANLR	SPRING AND TOURO ST. NEWPORT RIP000028044/NLR	SPRING and TOURO ST NEWPORT RI 02840	NON GC	N/A	N/A
	SPILLS	10011	EAST ST NEWPORT RI 02840	NON GC	N/A	N/A
	SPILLS	11539	PIER 2 - US COAST GUARD NEWPORT RI	NON GC	N/A	N/A
	SPILLS	00-086	UNKNOWN NEWPORT RI	NON GC	N/A	N/A
	SPILLS	WASHINGTON SQUARE 97-534	WASHINGTON SQ NEWPORT RI 02840	NON GC	N/A	N/A
	SPILLS	TRANSFER ROAD 96-302A	TRANSFER Rd NEWPORT RI 02840	NON GC	N/A	N/A
	SPILLS	TRANSFER ROAD 96-302B	TRANSFER Rd NEWPORT RI 02840	NON GC	N/A	N/A
	SPILLS	THAMES STREET 98-199	THAMES ST NEWPORT RI 02840	NON GC	N/A	N/A
	SPILLS	STATE PIER 97-126	STATE PIER NEWPORT RI 02840	NON GC	N/A	N/A
	SPILLS	SPRING STREET 98-131	SPRING ST NEWPORT RI 02840	NON GC	N/A	N/A
	SPILLS	SCHOOL BOILER RM 99-703	SCHOOL BOILER RM NEWPORT RI 02840	NON GC	N/A	N/A

***Environmental FirstSearch
Sites Summary Report***

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

TOTAL: 223 **GEOCODED:** 100 **NON GEOCODED:** 123 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
	SPILLS	AMERICA S CUP AVE 95-393	AMERICA S CUP AVE NEWPORT RI 02840	NON GC	N/A	N/A
	SPILLS	ADMIRAL KALBFUS HWY 95-128	ADMIRAL KALBFUS HWY NEWPORT RI 02840	NON GC	N/A	N/A
	SPILLS	99-612	UNKNOWN NEWPORT RI 02840	NON GC	N/A	N/A

Environmental FirstSearch
Site Detail Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

LUST

SEARCH ID: 90 **DIST/DIR:** 0.06 NE **ELEVATION:** 53 **MAP ID:** 1

NAME: TRINITY CHURCH	REV: 11/18/11
ADDRESS: QUEEN ANNE SQ	ID1: 2224-LS
NEWPORT RI	ID2: 16499
NEWPORT	STATUS: SRO - SOIL REMOVAL ONLY
CONTACT:	PHONE:
SOURCE: RI DEM	

PROJECT DATE: 7/26/1993
UST FAC ID: 16499

UST

SEARCH ID: 69 **DIST/DIR:** 0.06 NE **ELEVATION:** 53 **MAP ID:** 1

NAME: TRINITY CHURCH	REV: 11/18/11
ADDRESS: QUEEN ANNE SQ	ID1: 16499
NEWPORT RI	ID2:
NEWPORT	STATUS: PERM CLOSED
CONTACT:	PHONE:
SOURCE: RI DEM	

SITE INFORMATION

FACILITY CLASS: OTHER

TOTAL NUMBER OF TANKS: 1

TANK ID: 1
DATE INSTALLED: 4/25/2001
STATUS: PERMANENTLY CLOSED
CAPACITY (GAL): 2000
PRODUCT STORED: HEATING OIL NO.2

Environmental FirstSearch
Site Detail Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

UST

SEARCH ID: 64 **DIST/DIR:** 0.07 SE **ELEVATION:** 56 **MAP ID:** 2

NAME:	R and D TRUST PROPERTY	REV:	11/18/11
ADDRESS:	142 SPRING ST	ID1:	18829
	NEWPORT RI	ID2:	
	NEWPORT	STATUS:	PERM CLOSED
CONTACT:		PHONE:	
SOURCE:	RI DEM		

SITE INFORMATION

FACILITY CLASS: COMMERCIALS

TOTAL NUMBER OF TANKS: 1

TANK ID: 1
DATE INSTALLED: 4/25/2001
STATUS: PERMANENTLY CLOSED
CAPACITY (GAL): 1000
PRODUCT STORED: UNKNOWN

**Environmental FirstSearch
Site Detail Report**

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

RCRANLR

SEARCH ID: 6 **DIST/DIR:** 0.08 NE **ELEVATION:** 54 **MAP ID:** 3

<p>NAME: METROPOLITAN CLEANERS ADDRESS: 132 SPRING ST NEWPORT RI 02840 NEWPORT CONTACT: SOURCE: EPA</p>	<p>REV: 11/9/11 ID1: RID018510016 ID2: STATUS: NLR PHONE:</p>
---	--

SITE INFORMATION

CONTACT INFORMATION: DAVID-E DELNERO
132 SPRING ST
NEWPORT RI 02840

PHONE: 4018474100

OWNER NAME:
OWNER TYPE:
OPERATOR:
OPERATOR TYPE:
MAILING ADDRESS: 132 SPRING ST
NEWPORT, RI 02840

UNIVERSE INFORMATION:

RECEIVED DATE: 03/20/1984

SUBJECT TO CORRECTIVE ACTION (SUBJCA)

SUBJCA:	N - NO
SUBJCA TSD 3004:	N - NO
SUBJCA NON TSD:	N - NO
SIGNIFICANT NON-COMPLIANCE(SNC):	N - NO
BEGINNING OF THE YEAR SNC:	
PERMIT WORKLOAD:	----
CLOSURE WORKLOAD:	----
POST CLOSURE WORKLOAD:	----
PERMITTING /CLOSURE/POST-CLOSURE PROGRESS:	----
CORRECTIVE ACTION WORKLOAD:	N - NO
GENERATOR STATUS:	N

INSTITUTIONAL CONTROL: N-NO	ENGINEERING CONTROL: N
HUMAN EXPOSURE: N-NO	GW CONTROLS: N- NO
LAND TYPE:	SHORT TERM GEN: N
TRANS FACILITY: N	REC WASTE FROM OFF SITE: N

IMPORTER ACTIVITY: N - NO	MIXED WASTE GEN: N - NO
TRANS ACTIVITY: N - NO	TSD ACTIVITY: N - NO
RECYCLER ACTIVITY: N - NO	ONSITE BURNER EXEMPT: N - NO
FURNACE EXEMPTION: N - NO	UNDER INJECT ACTIVITY: N - NO
REC WASTE FROM OFF SITE: N - NO	UNIV WASTE DEST FAC: N
USED OIL TRANS: N - NO	USED OIL PROCESSOR: N - NO
USED OIL REFINER: N - NO	USED OIL FUEL BURNER: N - NO
UO FUEL MARKETER TO BURNER: N	USED OIL SPEC MARKETER: N - NO

NAIC INFORMATION

- Continued on next page -

***Environmental FirstSearch
Site Detail Report***

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

RCRANLR

SEARCH ID: 6 **DIST/DIR:** 0.08 NE **ELEVATION:** 54 **MAP ID:** 3

NAME: METROPOLITIAN CLEANERS
ADDRESS: 132 SPRING ST
NEWPORT RI 02840
NEWPORT
CONTACT:
SOURCE: EPA

REV: 11/9/11
ID1: RID018510016
ID2:
STATUS: NLR
PHONE:

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

HAZARDOUS WASTE INFORMATION:

NONE

Environmental FirstSearch
Site Detail Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

UST

SEARCH ID: 56 **DIST/DIR:** 0.08 NE **ELEVATION:** 54 **MAP ID:** 3

NAME: METROPOLITAN CLEANERS LTD.	REV: 11/18/11
ADDRESS: 132 SPRING ST	ID1: 01851
NEWPORT RI	ID2:
NEWPORT	STATUS: PERM CLOSED
CONTACT:	PHONE:
SOURCE: RI DEM	

SITE INFORMATION

FACILITY CLASS: COMMERCIALS

TOTAL NUMBER OF TANKS: 1

TANK ID: 1
DATE INSTALLED: 6/1/1978
STATUS: PERMANENTLY CLOSED
CAPACITY (GAL): 500
PRODUCT STORED: NOT LISTED

BROWNFIELD

SEARCH ID: 94 **DIST/DIR:** 0.08 SE **ELEVATION:** 28 **MAP ID:** 4

NAME: PELHAM COURT LLC	REV: 10/1/08
ADDRESS: 14 PELHAM ST	ID1: RIBF-0908-047
NEWPORT RI	ID2:
NEWPORT	STATUS: ACTIVE
CONTACT:	PHONE:
SOURCE: RI DEM	

SITE INFORMATION:

INSTITUTIONAL CONTROLS:

ELUR DATE:

SITE SIZE: 0.31

RESPONSE ACTION COMPLETED:

NFA DATE:

LOC DATE:

SOURCE OF CONTAMINATION: Arsenic and Ethylbenz in GW

Environmental FirstSearch
Site Detail Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

LUST

SEARCH ID: 87 **DIST/DIR:** 0.08 SE **ELEVATION:** 28 **MAP ID:** 4

NAME: PELHAM PLACE
ADDRESS: 14 PELHAM ST
NEWPORT RI
NEWPORT

REV: 11/18/11
ID1: 2287-LS
ID2: 15839
STATUS: A - ACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

PROJECT DATE: 3/9/2007
UST FAC ID: 15839

STATE

SEARCH ID: 24 **DIST/DIR:** 0.08 SE **ELEVATION:** 28 **MAP ID:** 4

NAME: PELHAM COURT LLC
ADDRESS: 14 PELHAM ST
NEWPORT RI
NEWPORT

REV: 11/18/11
ID1: PELH-HWM
ID2:
STATUS: A = ACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION

PROJECT DATE: 10/20/2005

PROJECT CODE: PELH-HWM = HAZARDOUS WASTE MANAGEMENT PROGRAM

Environmental FirstSearch
Site Detail Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

UST

SEARCH ID: 53 **DIST/DIR:** 0.08 NE **ELEVATION:** 49 **MAP ID:** 5

NAME: HARBOR ANTIQUES
ADDRESS: 134 SPRING ST
NEWPORT RI

REV: 11/18/11
ID1: 18222
ID2:
STATUS: PERM CLOSED
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION

FACILITY CLASS: COMMERCIALS

TOTAL NUMBER OF TANKS: 1

TANK ID: 1
DATE INSTALLED: 4/25/2001
STATUS: PERMANENTLY CLOSED
CAPACITY (GAL): 0
PRODUCT STORED: HEATING OIL NO.2

UST

SEARCH ID: 49 **DIST/DIR:** 0.09 SE **ELEVATION:** 61 **MAP ID:** 6

NAME: BOYS and GIRLS CLUB
ADDRESS: 95 CHURCH ST
NEWPORT RI

REV: 11/18/11
ID1: 18620
ID2:
STATUS: PERM CLOSED
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION

FACILITY CLASS: OTHER

TOTAL NUMBER OF TANKS: 1

TANK ID: 1
DATE INSTALLED: 4/25/2001
STATUS: PERMANENTLY CLOSED
CAPACITY (GAL): 2000
PRODUCT STORED: HEATING OIL NO.2

Environmental FirstSearch
Site Detail Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

UST

SEARCH ID: 62 **DIST/DIR:** 0.09 SE **ELEVATION:** 30 **MAP ID:** 7

NAME: PELHAM GARAGE	REV: 11/18/11
ADDRESS: 17 PELHAM ST	ID1: 15839
NEWPORT RI	ID2:
NEWPORT	STATUS: PERM CLOSED
CONTACT:	PHONE:
SOURCE: RI DEM	

SITE INFORMATION

FACILITY CLASS: COMMERCIALS

TOTAL NUMBER OF TANKS: 1

TANK ID: 1
DATE INSTALLED: 4/25/2001
STATUS: PERMANENTLY CLOSED
CAPACITY (GAL): 9999999
PRODUCT STORED: WASTE OIL

TANK ID: 2
DATE INSTALLED:
STATUS: PERMANENTLY CLOSED
CAPACITY (GAL): 3000
PRODUCT STORED: GASOLINE

TANK ID: 3
DATE INSTALLED:
STATUS: PERMANENTLY CLOSED
CAPACITY (GAL): 3000
PRODUCT STORED: GASOLINE

Environmental FirstSearch
Site Detail Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

UST

SEARCH ID: 58 **DIST/DIR:** 0.10 SW **ELEVATION:** 1 **MAP ID:** 8

NAME: NEWPORT HARBOR CENTER	REV: 11/18/11
ADDRESS: THAMES ST	ID1: 02818
NEWPORT RI	ID2:
NEWPORT	STATUS: IN USE
CONTACT:	PHONE:
SOURCE: RI DEM	

SITE INFORMATION

FACILITY CLASS: CITY/TOWN GOVERNMENT

TOTAL NUMBER OF TANKS: 1

TANK ID: 1
DATE INSTALLED: 4/25/2001
STATUS: IN USE
CAPACITY (GAL): 1000
PRODUCT STORED: HEATING OIL NO.2

UST

SEARCH ID: 63 **DIST/DIR:** 0.11 SW **ELEVATION:** 20 **MAP ID:** 9

NAME: PEOPLE S CREDIT UNION, THE	REV: 11/18/11
ADDRESS: 282 THAMES ST	ID1: 03014
NEWPORT RI	ID2:
CONTACT:	STATUS: PERM CLOSED
SOURCE: RI DEM	PHONE:

SITE INFORMATION

FACILITY CLASS: COMMERCIALS

TOTAL NUMBER OF TANKS: 1

TANK ID: 1
DATE INSTALLED: 4/25/2001
STATUS: PERMANENTLY CLOSED
CAPACITY (GAL): 1000
PRODUCT STORED: HEATING OIL NO.2

Environmental FirstSearch
Site Detail Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

UST

SEARCH ID: 48 **DIST/DIR:** 0.12 NW **ELEVATION:** 15 **MAP ID:** 10

NAME: BOLUSKY BLDG. (BEN S FURN. CO.)
ADDRESS: 166 THAMES ST
NEWPORT RI

REV: 11/18/11
ID1: 02658
ID2:
STATUS: PERM CLOSED
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION

FACILITY CLASS: COMMERCIALS

TOTAL NUMBER OF TANKS: 1

TANK ID: 1
DATE INSTALLED: 4/25/2001
STATUS: PERMANENTLY CLOSED
CAPACITY (GAL): 1000
PRODUCT STORED: HEATING OIL NO.2

UST

SEARCH ID: 66 **DIST/DIR:** 0.13 SW **ELEVATION:** 24 **MAP ID:** 11

NAME: SOVEREIGN BANK SITE (APPLE HEALTH CARE)
ADDRESS: 290 THAMES ST
NEWPORT RI
NEWPORT

REV: 11/18/11
ID1: 04143
ID2:
STATUS: PERM CLOSED
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION

FACILITY CLASS: COMMERCIALS

TANK ID: 1
DATE INSTALLED:
STATUS: PERMANENTLY CLOSED
CAPACITY (GAL): 500
PRODUCT STORED: HEATING OIL NO.2

Environmental FirstSearch
Site Detail Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

UST

SEARCH ID: 55 **DIST/DIR:** 0.14 NW **ELEVATION:** 16 **MAP ID:** 12

NAME: J.J. NEWBERRY 6033
ADDRESS: 144 THAMES ST
NEWPORT RI

REV: 11/18/11
ID1: 01870
ID2:
STATUS: PERM CLOSED
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION

FACILITY CLASS: COMMERCIALS

TOTAL NUMBER OF TANKS: 1

TANK ID: 1
DATE INSTALLED: 4/25/2001
STATUS: PERMANENTLY CLOSED
CAPACITY (GAL): 1000
PRODUCT STORED: HEATING OIL NO.2

UST

SEARCH ID: 70 **DIST/DIR:** 0.16 SW **ELEVATION:** 25 **MAP ID:** 13

NAME: U.S.P.S.
ADDRESS: 320 THAMES ST
NEWPORT RI

REV: 11/18/11
ID1: 02218
ID2:
STATUS: PERM CLOSED
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION

FACILITY CLASS: FEDERAL GOVERNMENT

TOTAL NUMBER OF TANKS: 1

TANK ID: 1
DATE INSTALLED: 9/1/1965
STATUS: PERMANENTLY CLOSED
CAPACITY (GAL): 6000
PRODUCT STORED: HEATING OIL NO.2

**Environmental FirstSearch
Site Detail Report**

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

SPILLS

SEARCH ID: 41 **DIST/DIR:** 0.17 SW **ELEVATION:** 10 **MAP ID:** 14

NAME: NEWPORT YACHTING CENTER	REV: 4/10/00
ADDRESS: 20 COMMERCIAL WHARF NEWPORT RI NEWPORT	ID1: 96-264
CONTACT: P SULLIVAN	ID2:
SOURCE:	STATUS:
	PHONE:

SPILL DATE: 06-24-96 **SPILL NOTIFIER:** NEWPORT YACHTING CENTER
STAFF: P SULLIVAN

MATERIAL SPILLED: DIESEL FUEL
SPILL AMOUNT REPORTED: 100 GALLONS
INCIDENT: DURING FUELING **SOURCE OF SPILL:** JUBILEE

LUST?: **SOIL CONTAMINATED?:**
PCB LEVEL:

UST

SEARCH ID: 61 **DIST/DIR:** 0.17 NW **ELEVATION:** 14 **MAP ID:** 15

NAME: OPERA HOUSE, INC.	REV: 11/18/11
ADDRESS: 19 TOURO ST NEWPORT RI NEWPORT	ID1: 19087
CONTACT:	ID2:
SOURCE: RI DEM	STATUS: PERM CLOSED
	PHONE:

SITE INFORMATION

FACILITY CLASS: COMMERCIALS

TOTAL NUMBER OF TANKS: 1

TANK ID: 1

DATE INSTALLED:

STATUS: PERMANENTLY CLOSED

CAPACITY (GAL): 1500

PRODUCT STORED: HEATING OIL NO.2

***Environmental FirstSearch
Site Detail Report***

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

UST

SEARCH ID: 60	DIST/DIR: 0.17 NW	ELEVATION: 14	MAP ID: 15
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NAME: OPERA HOUSE
ADDRESS: 19 TOURO ST
NEWPORT RI
NEWPORT

REV: 8/01/02
ID1: RIUS-0802-33
ID2:
STATUS:
PHONE:

CONTACT:
SOURCE:

SITE INFORMATION

TANK ID: 1
DATE INSTALLED: NULL
STATUS: ABANDONED
CAPACITY (GAL): 1,500
PRODUCT STORED: HEATING OIL NO. 2

Environmental FirstSearch Site Detail Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

RCRAGN

SEARCH ID: 4 **DIST/DIR:** 0.18 SW **ELEVATION:** 8 **MAP ID:** 16

NAME: NEWPORT YACHTING CENTER	REV: 11/9/11
ADDRESS: 20 COMMERCIAL WHARF	ID1: RIR000501833
NEWPORT RI 02840	ID2:
NEWPORT	STATUS: SGN
CONTACT:	PHONE:
SOURCE: EPA	

SITE INFORMATION

CONTACT INFORMATION: CHARLES MOFFITT
20 COMMERCIAL WHARF
NEWPORT RI 02840

PHONE: 4018461600

OWNER NAME: NEWPORT REALTY INC
OWNER TYPE: P-PRIVATE

OPERATOR:
OPERATOR TYPE:
MAILING ADDRESS: PO BOX 550
NEWORT, RI 02840

UNIVERSE INFORMATION:

RECEIVED DATE: 10/25/2001

SUBJECT TO CORRECTIVE ACTION (SUBJCA)

SUBJCA:	N - NO
SUBJCA TSD 3004:	N - NO
SUBJCA NON TSD:	N - NO
SIGNIFICANT NON-COMPLIANCE(SNC):	N - NO
BEGINNING OF THE YEAR SNC:	
PERMIT WORKLOAD:	----
CLOSURE WORKLOAD:	----
POST CLOSURE WORKLOAD:	----
PERMITTING /CLOSURE/POST-CLOSURE PROGRESS:	----
CORRECTIVE ACTION WORKLOAD:	N - NO
GENERATOR STATUS:	SQG - SMALL QUANTITY GENERATOR: GENERATES 100 - 1000
KG/MONTH OF HAZARDOUS WASTE	

INSTITUTIONAL CONTROL: N-NO	ENGINEERING CONTROL: N
HUMAN EXPOSURE: N-NO	GW CONTROLS: N- NO
LAND TYPE: P-PRIVATE	SHORT TERM GEN: N
TRANS FACILITY: N	REC WASTE FROM OFF SITE: N

IMPORTER ACTIVITY: N - NO	MIXED WASTE GEN: N - NO
TRANS ACTIVITY: N - NO	TSD ACTIVITY: N - NO
RECYCLER ACTIVITY: N - NO	ONSITE BURNER EXEMPT: N - NO
FURNACE EXEMPTION: N - NO	UNDER INJECT ACTIVITY: N - NO
REC WASTE FROM OFF SITE: N - NO	UNIV WASTE DEST FAC: N
USED OIL TRANS: N - NO	USED OIL PROCESSOR: N - NO
USED OIL REFINER: N - NO	USED OIL FUEL BURNER: N - NO
UO FUEL MARKETER TO BURNER: N	USED OIL SPEC MARKETER: N - NO

NAIC INFORMATION

- Continued on next page -

***Environmental FirstSearch
Site Detail Report***

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

RCRAGN

SEARCH ID: 4 **DIST/DIR:** 0.18 SW **ELEVATION:** 8 **MAP ID:** 16

NAME: NEWPORT YACHTING CENTER
ADDRESS: 20 COMMERCIAL WHARF
NEWPORT RI 02840
NEWPORT
CONTACT:
SOURCE: EPA

REV: 11/9/11
ID1: RIR000501833
ID2:
STATUS: SGN
PHONE:

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

HAZARDOUS WASTE INFORMATION:

D001 - Ignitable waste
D018 - Benzene
R010

**Environmental FirstSearch
Site Detail Report**

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

STATE

SEARCH ID: 19 **DIST/DIR:** 0.18 NW **ELEVATION:** 11 **MAP ID:** 17

NAME: LONG WHARF MALL - NORTH
ADDRESS: THAMES ST
NEWPORT RI

REV: 11/18/11
ID1: LWM-HWM
ID2:
STATUS: I = INACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION

PROJECT DATE: 06/04/99

PROJECT CODE: LWM-HWM = HAZARDOUS WASTE MANAGEMENT PROGRAM

INSTCONTROL

SEARCH ID: 100 **DIST/DIR:** 0.18 NW **ELEVATION:** 11 **MAP ID:** 17

NAME: LONG WHARF MALL - NORTH
ADDRESS: THAMES ST
NEWPORT RI

REV: 09/30/05
ID1: RI-ELUR-055
ID2:
STATUS: ELUR
PHONE:

CONTACT:
SOURCE:

SITE INFORMATION:

ELUR : ENVIRONMENTAL LAND USE RESTRICTION
ELUR DATE: 7/14/1999
COUNT OF TOWNS: 1
SITE SIZE (ACRES): 2.2

Environmental FirstSearch
Site Detail Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

SPILLS

SEARCH ID: 40 **DIST/DIR:** 0.18 NW **ELEVATION:** 13 **MAP ID:** 18

NAME: DEM PIER 9 **REV:** 4/10/00
ADDRESS: 9 WASHINGTON ST **ID1:** 94-113
NEWPORT RI 02840 **ID2:**
CONTACT: D SQUIRES **STATUS:**
SOURCE: **PHONE:**

SPILL DATE: 03-10-94 **SPILL NOTIFIER:** PETTY OFFICER BRYANT USCG
STAFF: D SQUIRES

MATERIAL SPILLED: WASTE OIL
SPILL AMOUNT REPORTED: UNKNOWN GALLONS
INCIDENT: IN HARBOR

SOURCE OF SPILL:

LUST?: **SOIL CONTAMINATED?:**
PCB LEVEL:

LUST

SEARCH ID: 77 **DIST/DIR:** 0.19 NE **ELEVATION:** 43 **MAP ID:** 19

NAME: COLONY HOUSE SUNOCO **REV:** 11/18/11
ADDRESS: SPRING ST **ID1:** 2203-LS
NEWPORT RI **ID2:** 671
NEWPORT **STATUS:** SRO - SOIL REMOVAL ONLY
CONTACT: **PHONE:**
SOURCE: RI DEM

PROJECT DATE: 11/10/1989
UST FAC ID: 671

Environmental FirstSearch Site Detail Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

RCRAGN

SEARCH ID: 5 **DIST/DIR:** 0.19 NE **ELEVATION:** 43 **MAP ID:** 19

NAME: TEXACO STA/COFFEYS SERVICE STATION	REV: 11/9/11
ADDRESS: 48 TOURO 29 SPRING ST NEWPORT RI 02840	ID1: RID987480811
	ID2:
CONTACT:	STATUS: SGN
SOURCE: EPA	PHONE:

SITE INFORMATION

CONTACT INFORMATION: NEILL-F COFFEY
48 TOURO ST
NEWPORT RI 02840

PHONE: 4018475100

OWNER NAME: NEILL F COFFEY INC
OWNER TYPE: P-PRIVATE

OPERATOR:
OPERATOR TYPE:
MAILING ADDRESS: 48 TOURO ST
NEWPORT, RI 02840

UNIVERSE INFORMATION:

RECEIVED DATE: 10/01/2007

SUBJECT TO CORRECTIVE ACTION (SUBJCA)

SUBJCA:	N - NO
SUBJCA TSD 3004:	N - NO
SUBJCA NON TSD:	N - NO
SIGNIFICANT NON-COMPLIANCE(SNC):	N - NO
BEGINNING OF THE YEAR SNC:	
PERMIT WORKLOAD:	----
CLOSURE WORKLOAD:	----
POST CLOSURE WORKLOAD:	----
PERMITTING /CLOSURE/POST-CLOSURE PROGRESS:	----
CORRECTIVE ACTION WORKLOAD:	N - NO
GENERATOR STATUS:	SQG - SMALL QUANTITY GENERATOR: GENERATES 100 - 1000
KG/MONTH OF HAZARDOUS WASTE	

INSTITUTIONAL CONTROL:	N-NO	ENGINEERING CONTROL:	N
HUMAN EXPOSURE:	N-NO	GW CONTROLS:	N- NO
LAND TYPE:	P-PRIVATE	SHORT TERM GEN:	N
TRANS FACILITY:	N	REC WASTE FROM OFF SITE:	N

IMPORTER ACTIVITY:	N - NO	MIXED WASTE GEN:	N - NO
TRANS ACTIVITY:	N - NO	TSD ACTIVITY:	N - NO
RECYCLER ACTIVITY:	N - NO	ONSITE BURNER EXEMPT:	N - NO
FURNACE EXEMPTION:	N - NO	UNDER INJECT ACTIVITY:	N - NO
REC WASTE FROM OFF SITE:	N - NO	UNIV WASTE DEST FAC:	N
USED OIL TRANS:	N - NO	USED OIL PROCESSOR:	N - NO
USED OIL REFINER:	N - NO	USED OIL FUEL BURNER:	N - NO
UO FUEL MARKETER TO BURNER:	N	USED OIL SPEC MARKETER:	N - NO

NAIC INFORMATION

- Continued on next page -

***Environmental FirstSearch
Site Detail Report***

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

RCRAGN

SEARCH ID: 5 **DIST/DIR:** 0.19 NE **ELEVATION:** 43 **MAP ID:** 19

NAME: TEXACO STA/COFFEYS SERVICE STATION
ADDRESS: 48 TOURO 29 SPRING ST
NEWPORT RI 02840

REV: 11/9/11
ID1: RID987480811
ID2:
STATUS: SGN
PHONE:

CONTACT:
SOURCE: EPA

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

HAZARDOUS WASTE INFORMATION:

D001 - Ignitable waste

Environmental FirstSearch
Site Detail Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

UST

SEARCH ID: 52 **DIST/DIR:** 0.19 NE **ELEVATION:** 43 **MAP ID:** 19

NAME: COFFEY S TEXACO	REV: 11/18/11
ADDRESS: 48 TOURO ST NEWPORT RI	ID1: 00734
	ID2:
CONTACT:	STATUS: IN USE
SOURCE: RI DEM	PHONE:

SITE INFORMATION

FACILITY CLASS: GASOLINE STATION

TOTAL NUMBER OF TANKS: 6

TANK ID: 1
DATE INSTALLED: 4/1/1979
STATUS: IN USE
CAPACITY (GAL): 10000
PRODUCT STORED: GASOLINE

TANK ID: 2
DATE INSTALLED: 4/1/1977
STATUS: IN USE
CAPACITY (GAL): 10000
PRODUCT STORED: GASOLINE

TANK ID: 3
DATE INSTALLED: 4/1/1979
STATUS: PERMANENTLY CLOSED
CAPACITY (GAL): 4000
PRODUCT STORED: GASOLINE

TANK ID: 4
DATE INSTALLED: 4/1/1979
STATUS: PERMANENTLY CLOSED
CAPACITY (GAL): 4000
PRODUCT STORED: GASOLINE

TANK ID: 5
DATE INSTALLED: 4/1/1979
STATUS: PERMANENTLY CLOSED
CAPACITY (GAL): 500
PRODUCT STORED: WASTE OIL

TANK ID: 6
DATE INSTALLED: 4/1/1979
STATUS: PERMANENTLY CLOSED
CAPACITY (GAL): 500
PRODUCT STORED: HEATING OIL NO.2

Environmental FirstSearch
Site Detail Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

UST

SEARCH ID: 47 **DIST/DIR:** 0.19 NW **ELEVATION:** 1 **MAP ID:** 20

NAME:	BANNISTER S WHARF, INC.	REV:	11/18/11
ADDRESS:	BANNISTER S WHARF	ID1:	00070
	NEWPORT RI	ID2:	
	NEWPORT	STATUS:	IN USE
CONTACT:		PHONE:	
SOURCE:	RI DEM		

SITE INFORMATION

FACILITY CLASS: COMMERCIALS

TOTAL NUMBER OF TANKS: 3

TANK ID: 1
DATE INSTALLED: 2/1/1984
STATUS: IN USE
CAPACITY (GAL): 3000
PRODUCT STORED: DIESEL

TANK ID: 2
DATE INSTALLED: 2/1/1984
STATUS: IN USE
CAPACITY (GAL): 3000
PRODUCT STORED: DIESEL

TANK ID: 3
DATE INSTALLED: 2/1/1984
STATUS: IN USE
CAPACITY (GAL): 3000
PRODUCT STORED: GASOLINE

**Environmental FirstSearch
Site Detail Report**

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

SPILLS

SEARCH ID: 45 **DIST/DIR:** 0.19 NW **ELEVATION:** 1 **MAP ID:** 20

NAME:	REV: 1/04/01
ADDRESS: BANNISTER WHARF NEWPORT RI NEWPORT	ID1: 12978
CONTACT:	ID2:
SOURCE:	STATUS:
	PHONE:

SITE INFORMATION

COMPLAINT DATE:	1/4/01
COMPLAINT NUMBER:	15979
INSPECTION DATE:	1/4/01
FOUNDED:	Y
AMOUNT OF MATERIAL:	30 GALLONS

SPILLS

SEARCH ID: 39 **DIST/DIR:** 0.19 NW **ELEVATION:** 1 **MAP ID:** 20

NAME: BANISTER WHARF	REV: 4/10/00
ADDRESS: BANISTER WHARF NEWPORT RI	ID1: 99-272
CONTACT:	ID2:
SOURCE:	STATUS:
	PHONE:

SPILL DATE: 05/21/99	SPILL NOTIFIER:
STAFF:	

MATERIAL SPILLED: OIL	SOURCE OF SPILL:
SPILL AMOUNT REPORTED:	
INCIDENT: ON WATER	

LUST?:	SOIL CONTAMINATED?:
PCB LEVEL:	

***Environmental FirstSearch
Site Detail Report***

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

UST

SEARCH ID: 46 **DIST/DIR:** 0.19 NW **ELEVATION:** 10 **MAP ID:** 21

NAME: BANK OF NEW ENGLAND/OLD COLONY
ADDRESS: 8 WASHINGTON SQ
NEWPORT RI

REV: 11/18/11
ID1: 02219
ID2:
STATUS: PERM CLOSED
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION

FACILITY CLASS: OTHER

TOTAL NUMBER OF TANKS: 1

TANK ID: 1
DATE INSTALLED: 9/1/1978
STATUS: PERMANENTLY CLOSED
CAPACITY (GAL): 2000
PRODUCT STORED: HEATING OIL NO.2

Environmental FirstSearch
Site Detail Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

UST

SEARCH ID: 68 **DIST/DIR:** 0.19 NE **ELEVATION:** 58 **MAP ID:** 22

NAME: TOURO SYNAGOGUE
ADDRESS: 85 TOURO ST
NEWPORT RI

REV: 11/18/11
ID1: 02376
ID2:
STATUS: PERM CLOSED
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION

FACILITY CLASS: INDUSTRIAL

TOTAL NUMBER OF TANKS: 2

TANK ID: 1
DATE INSTALLED: 4/1/1950
STATUS: PERMANENTLY CLOSED
CAPACITY (GAL): 2000
PRODUCT STORED: HEATING OIL NO.2

TANK ID: 2
DATE INSTALLED: 4/1/1960
STATUS: PERMANENTLY CLOSED
CAPACITY (GAL): 1000
PRODUCT STORED: HEATING OIL NO.2

***Environmental FirstSearch
Site Detail Report***

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

STATE

SEARCH ID: 36 **DIST/DIR:** 0.20 NE **ELEVATION:** 41 **MAP ID:** 23

NAME: TOURO SYNAGOGUE VISTORS CENTER
ADDRESS: 50 SPRING ST
NEWPORT RI

REV: 11/18/11
ID1: TORS-HWM
ID2:
STATUS: A = ACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION

PROJECT DATE: 5/19/2006

PROJECT CODE: TORS-HWM = HAZARDOUS WASTE MANAGEMENT PROGRAM

Environmental FirstSearch
Site Detail Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

UST

SEARCH ID: 57 **DIST/DIR:** 0.20 NW **ELEVATION:** 10 **MAP ID:** 24

NAME: MOSHER S SERVICE STATION	REV: 11/18/11
ADDRESS: DUKE ST	ID1: 00239
NEWPORT RI	ID2:
NEWPORT	STATUS: PERM CLOSED
CONTACT:	PHONE:
SOURCE: RI DEM	

SITE INFORMATION

FACILITY CLASS: GASOLINE STATION

TOTAL NUMBER OF TANKS: 4

TANK ID: 1
DATE INSTALLED: 3/1/1975
STATUS: PERMANENTLY CLOSED
CAPACITY (GAL): 4000
PRODUCT STORED: GASOLINE

TANK ID: 2
DATE INSTALLED: 3/1/1977
STATUS: PERMANENTLY CLOSED
CAPACITY (GAL): 2000
PRODUCT STORED: GASOLINE

TANK ID: 3
DATE INSTALLED: 3/1/1975
STATUS: PERMANENTLY CLOSED
CAPACITY (GAL): 1000
PRODUCT STORED: GASOLINE

TANK ID: 4
DATE INSTALLED: 4/25/2001
STATUS: PERMANENTLY CLOSED
CAPACITY (GAL): 500
PRODUCT STORED: WASTE OIL

Environmental FirstSearch
Site Detail Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

UST

SEARCH ID: 59 **DIST/DIR:** 0.20 NW **ELEVATION:** 14 **MAP ID:** 25

NAME: ODDFELLOWS HALL
ADDRESS: 3 CHARLES ST
NEWPORT RI

REV: 11/18/11
ID1: 03449
ID2:
STATUS: PERM CLOSED
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION

FACILITY CLASS: OTHER

TOTAL NUMBER OF TANKS: 1

TANK ID: 1
DATE INSTALLED: 4/25/2001
STATUS: PERMANENTLY CLOSED
CAPACITY (GAL): 1000
PRODUCT STORED: HEATING OIL NO.2

UST

SEARCH ID: 67 **DIST/DIR:** 0.20 NE **ELEVATION:** 19 **MAP ID:** 26

NAME: SULLIVAN PROPERTY
ADDRESS: 38 WASHINGTON SQ
NEWPORT RI

REV: 11/18/11
ID1: 18737
ID2:
STATUS: PERM CLOSED
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION

FACILITY CLASS: COMMERCIALS

TOTAL NUMBER OF TANKS: 1

TANK ID: 1
DATE INSTALLED: 4/25/2001
STATUS: PERMANENTLY CLOSED
CAPACITY (GAL): 1000
PRODUCT STORED: HEATING OIL NO.2

**Environmental FirstSearch
Site Detail Report**

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

RCRAGN

SEARCH ID: 3 **DIST/DIR:** 0.21 NW **ELEVATION:** 7 **MAP ID:** 27

NAME: BRUCE N SUNDERLAND DDS	REV: 11/9/11
ADDRESS: 37 LONG WHARF MALL NEWPORT RI 02840	ID1: RIR000500892
	ID2:
CONTACT:	STATUS: SGN
SOURCE: EPA	PHONE:

SITE INFORMATION

CONTACT INFORMATION: BRUCE SUNDERLAND
LONG WHARF MALL
NEWPORT RI 02840

PHONE: 4018464404

OWNER NAME: BRUCE SUNDERLAND
OWNER TYPE: P-PRIVATE
OPERATOR:
OPERATOR TYPE:
MAILING ADDRESS: 37 LONG WHARF MALL
NEWPORT, RI 02840

UNIVERSE INFORMATION:

RECEIVED DATE: 03/05/2001

SUBJECT TO CORRECTIVE ACTION (SUBJCA)

SUBJCA:	N - NO
SUBJCA TSD 3004:	N - NO
SUBJCA NON TSD:	N - NO
SIGNIFICANT NON-COMPLIANCE(SNC):	N - NO
BEGINNING OF THE YEAR SNC:	
PERMIT WORKLOAD:	----
CLOSURE WORKLOAD:	----
POST CLOSURE WORKLOAD:	----
PERMITTING /CLOSURE/POST-CLOSURE PROGRESS:	----
CORRECTIVE ACTION WORKLOAD:	N - NO
GENERATOR STATUS:	SQG - SMALL QUANTITY GENERATOR: GENERATES 100 - 1000
KG/MONTH OF HAZARDOUS WASTE	

INSTITUTIONAL CONTROL:	N-NO	ENGINEERING CONTROL:	N
HUMAN EXPOSURE:	N-NO	GW CONTROLS:	N- NO
LAND TYPE:	P-PRIVATE	SHORT TERM GEN:	N
TRANS FACILITY:	N	REC WASTE FROM OFF SITE:	N

IMPORTER ACTIVITY:	N - NO	MIXED WASTE GEN:	N - NO
TRANS ACTIVITY:	N - NO	TSD ACTIVITY:	N - NO
RECYCLER ACTIVITY:	N - NO	ONSITE BURNER EXEMPT:	N - NO
FURNACE EXEMPTION:	N - NO	UNDER INJECT ACTIVITY:	N - NO
REC WASTE FROM OFF SITE:	N - NO	UNIV WASTE DEST FAC:	N
USED OIL TRANS:	N - NO	USED OIL PROCESSOR:	N - NO
USED OIL REFINER:	N - NO	USED OIL FUEL BURNER:	N - NO
UO FUEL MARKETER TO BURNER:	N	USED OIL SPEC MARKETER:	N - NO

NAIC INFORMATION

- Continued on next page -

***Environmental FirstSearch
Site Detail Report***

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

RCRAGN

SEARCH ID: 3 **DIST/DIR:** 0.21 NW **ELEVATION:** 7 **MAP ID:** 27

NAME: BRUCE N SUNDERLAND DDS
ADDRESS: 37 LONG WHARF MALL
NEWPORT RI 02840

REV: 11/9/11
ID1: RIR000500892
ID2:
STATUS: SGN
PHONE:

CONTACT:
SOURCE: EPA

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

HAZARDOUS WASTE INFORMATION:

D011 - Silver

**Environmental FirstSearch
Site Detail Report**

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

UST

SEARCH ID: 65 **DIST/DIR:** 0.21 NE **ELEVATION:** 36 **MAP ID:** 28

NAME: RICHARD D ADDARIO	REV: 11/18/11
ADDRESS: ONE COURTHOUSE SQ NEWPORT RI NEWPORT	ID1: 18757
CONTACT:	ID2:
SOURCE: RI DEM	STATUS: PERM CLOSED
	PHONE:

SITE INFORMATION

FACILITY CLASS: COMMERCIALS

TOTAL NUMBER OF TANKS: 1

TANK ID: 1
DATE INSTALLED: 4/25/2001
STATUS: PERMANENTLY CLOSED
CAPACITY (GAL): 0
PRODUCT STORED: NOT LISTED

SPILLS

SEARCH ID: 42 **DIST/DIR:** 0.21 NE **ELEVATION:** 36 **MAP ID:** 28

NAME: ONE COURT HOUSE SQ	REV: 4/10/00
ADDRESS: ONE COURT HOUSE SQ NEWPORT RI	ID1: 97-560
CONTACT: JOHN P. LEO	ID2:
SOURCE:	STATUS:
	PHONE:

SPILL DATE: 12/16/97	SPILL NOTIFIER:
STAFF: JOHN P. LEO	
MATERIAL SPILLED: HEATING OIL	
SPILL AMOUNT REPORTED: UNK GALLONS	SOURCE OF SPILL:
INCIDENT:	
LUST?:	SOIL CONTAMINATED?:
PCB LEVEL:	

Environmental FirstSearch
Site Detail Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

UST

SEARCH ID: 51 **DIST/DIR:** 0.23 SE **ELEVATION:** 18 **MAP ID:** 29

NAME: CHANLER HOTEL
ADDRESS: 117 MEMORIAL BLVD
NEWPORT RI
NEWPORT

REV: 11/18/11
ID1: 19164
ID2:
STATUS: PERM CLOSED
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION

FACILITY CLASS: COMMERCIALS

TOTAL NUMBER OF TANKS: 1

TANK ID: 1

DATE INSTALLED:
STATUS: PERMANENTLY CLOSED
CAPACITY (GAL): 1000
PRODUCT STORED: HEATING OIL NO.2

UST

SEARCH ID: 50 **DIST/DIR:** 0.23 SE **ELEVATION:** 18 **MAP ID:** 29

NAME: CHANLER HOTEL
ADDRESS: 117 MEMORIAL BLVD
NEWPORT RI
NEWPORT

REV: 8/01/02
ID1: RIUS-0802-9
ID2:
STATUS:
PHONE:

CONTACT:
SOURCE:

SITE INFORMATION

***Environmental FirstSearch
Site Detail Report***

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

LUST

SEARCH ID: 80	DIST/DIR: 0.24 NE	ELEVATION: 91	MAP ID: 30
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NAME: HOTEL VIKING
ADDRESS: CHURCH ST
NEWPORT RI
NEWPORT

REV: 11/18/11
ID1: 2238-ST
ID2: 0079
STATUS: SRO - SOIL REMOVAL ONLY
PHONE:

CONTACT:
SOURCE: RI DEM

PROJECT DATE: 3/2/1995
UST FAC ID: 0079

**Environmental FirstSearch
Site Detail Report**

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

UST

SEARCH ID: 54 **DIST/DIR:** 0.24 NE **ELEVATION:** 91 **MAP ID:** 30

NAME: HOTEL VIKING NEWPORT	REV: 11/18/11
ADDRESS: ONE BELLEVUE AVE	ID1: 00079
NEWPORT RI	ID2:
NEWPORT	STATUS: PERM CLOSED
CONTACT:	PHONE:
SOURCE: RI DEM	

SITE INFORMATION

FACILITY CLASS: COMMERCIALS

TOTAL NUMBER OF TANKS: 5

TANK ID: 1
DATE INSTALLED: 2/1/1935
STATUS: PERMANENTLY CLOSED
CAPACITY (GAL): 10000
PRODUCT STORED: HEATING OIL NO.2

TANK ID: 2
DATE INSTALLED: 2/1/1967
STATUS: PERMANENTLY CLOSED
CAPACITY (GAL): 6600
PRODUCT STORED: HEATING OIL NO.2

TANK ID: 3
DATE INSTALLED: 2/1/1935
STATUS: PERMANENTLY CLOSED
CAPACITY (GAL): 2000
PRODUCT STORED: HEATING OIL NO.2

TANK ID: 4
DATE INSTALLED: 4/25/2001
STATUS: PERMANENTLY CLOSED
CAPACITY (GAL): 1000
PRODUCT STORED: HEATING OIL NO.2

TANK ID: 5
DATE INSTALLED:
STATUS: PERMANENTLY CLOSED
CAPACITY (GAL): 500
PRODUCT STORED: HEATING OIL NO.2

**Environmental FirstSearch
Site Detail Report**

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

SPILLS

SEARCH ID: 43 **DIST/DIR:** 0.25 SW **ELEVATION:** 0 **MAP ID:** 31

NAME: PARASCANDOLA DOCK **REV:** 4/10/00
ADDRESS: PARASCANDOLA DOCK **ID1:** 96-156
NEWPORT RI **ID2:**
NEWPORT **STATUS:**
CONTACT: D SQUIRES **PHONE:**
SOURCE:

SPILL DATE: 04-23-96 **SPILL NOTIFIER:** USCG MSO PROVIDENCE
STAFF: D SQUIRES

MATERIAL SPILLED: DIESEL
SPILL AMOUNT REPORTED: 10-15 GALLONS
INCIDENT: SPILL IN HARBOR **SOURCE OF SPILL:**

LUST?: **SOIL CONTAMINATED?:**
PCB LEVEL:

SPILLS

SEARCH ID: 44 **DIST/DIR:** 0.25 SW **ELEVATION:** 0 **MAP ID:** 31

NAME: SEE PREVIOUS REPORT **REV:** 4/10/00
ADDRESS: PARASCANDOLA DOCK **ID1:** 95-156
RI **ID2:**
NEWPORT **STATUS:**
CONTACT: **PHONE:**
SOURCE:

SPILL DATE: 03-22-95 **SPILL NOTIFIER:** JOHN LEO - DEM
STAFF:

MATERIAL SPILLED:
SPILL AMOUNT REPORTED:
INCIDENT: **SOURCE OF SPILL:**

LUST?: **SOIL CONTAMINATED?:**
PCB LEVEL:

**Environmental FirstSearch
Site Detail Report**

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

STATE

SEARCH ID: 23 **DIST/DIR:** 0.25 SW **ELEVATION:** 0 **MAP ID:** 31

NAME: PARASCONDOLA FISH COMPANY
ADDRESS: PERRY MILL WHARF
NEWPORT RI

REV: 11/18/11
ID1: PARA-HWM
ID2:
STATUS: A = ACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION

PROJECT DATE: NA

PROJECT CODE: PARA-HWM = HAZARDOUS WASTE MANAGEMENT PROGRAM

STATE

SEARCH ID: 9 **DIST/DIR:** 0.26 SW **ELEVATION:** 9 **MAP ID:** 32

NAME: CHRISTIE S
ADDRESS: 351 THAMES ST
NEWPORT RI
NEWPORT

REV: 11/18/11
ID1: CHRT-HWM
ID2:
STATUS: A = ACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION

PROJECT DATE: 12/27/2006

PROJECT CODE: CHRT-HWM = HAZARDOUS WASTE MANAGEMENT PROGRAM

**Environmental FirstSearch
Site Detail Report**

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

BROWNFIELD

SEARCH ID: 91 **DIST/DIR:** 0.26 SW **ELEVATION:** 9 **MAP ID:** 32

NAME: CHRISTIE S	REV: 10/1/08
ADDRESS: 351 THAMES ST	ID1: RIBF-0908-046
NEWPORT RI	ID2:
NEWPORT	STATUS: ACTIVE
CONTACT:	PHONE:
SOURCE: RI DEM	

SITE INFORMATION:

INSTITUTIONAL CONTROLS: ELUR
ELUR DATE:
SITE SIZE: 1.01
RESPONSE ACTION COMPLETED:
NFA DATE:
LOC DATE:
SOURCE OF CONTAMINATION:

STATE

SEARCH ID: 15 **DIST/DIR:** 0.26 SW **ELEVATION:** 9 **MAP ID:** 33

NAME: INN ON THE HARBOR	REV: 11/18/11
ADDRESS: 359 THAMES ST	ID1: IOTH-HWM
NEWPORT RI	ID2:
NEWPORT	STATUS: A = ACTIVE
CONTACT:	PHONE:
SOURCE: RI DEM	

SITE INFORMATION

PROJECT DATE: 10/08/02
PROJECT CODE: IOTH-HWM = HAZARDOUS WASTE MANAGEMENT PROGRAM

**Environmental FirstSearch
Site Detail Report**

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

STATE

SEARCH ID: 21 **DIST/DIR:** 0.26 NW **ELEVATION:** 0 **MAP ID:** 34

NAME: NEWPORT MARRIOTT
ADDRESS: 25 AMERICAS CUP AVE
NEWPORT RI

REV: 11/18/11
ID1: NMRT-HWM
ID2:
STATUS: I = INACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION

PROJECT DATE: 04/08/98

PROJECT CODE: NMRT-HWM = HAZARDOUS WASTE MANAGEMENT PROGRAM

LUST

SEARCH ID: 74 **DIST/DIR:** 0.26 NE **ELEVATION:** 95 **MAP ID:** 35

NAME: BELLEVUE MANOR
ADDRESS: 10 BELLEVUE AVE
NEWPORT RI

REV: 11/18/11
ID1: 2250-ST
ID2: 18199
STATUS: SRO - SOIL REMOVAL ONLY
PHONE:

CONTACT:
SOURCE: RI DEM

PROJECT DATE: 4/10/1997
UST FAC ID: 18199

LUST

SEARCH ID: 76 **DIST/DIR:** 0.26 NE **ELEVATION:** 34 **MAP ID:** 36

NAME: COFFEY S TEXACO
ADDRESS: 29 SPRING ST
NEWPORT RI

REV: 11/18/11
ID1: 2209-LS
ID2: 734
STATUS: A - ACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

Environmental FirstSearch
Site Detail Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

LUST

SEARCH ID: 76 **DIST/DIR:** 0.26 NE **ELEVATION:** 34 **MAP ID:** 36

NAME: COFFEY S TEXACO
ADDRESS: 29 SPRING ST
NEWPORT RI

REV: 11/18/11
ID1: 2209-LS
ID2: 734
STATUS: A - ACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

PROJECT DATE: 11/10/1989
UST FAC ID: 734

STATE

SEARCH ID: 38 **DIST/DIR:** 0.27 NW **ELEVATION:** 7 **MAP ID:** 37

NAME: WEST MARLBOROUGH ST. PROPERTY
ADDRESS: 6 W MARLBOROUGH ST
NEWPORT RI
NEWPORT

REV: 11/18/11
ID1: WMAR-HWM
ID2:
STATUS: I = INACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION

PROJECT DATE: 10/08/02

PROJECT CODE: WMAR-HWM = HAZARDOUS WASTE MANAGEMENT PROGRAM

**Environmental FirstSearch
Site Detail Report**

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

BROWNFIELD

SEARCH ID: 99 **DIST/DIR:** 0.27 NW **ELEVATION:** 7 **MAP ID:** 37

NAME: WEST MARLBOROUGH ST. PROPERTY
ADDRESS: 6 W MARLBOROUGH ST
NEWPORT RI

REV: 09/30/06
ID1: ELUR-0307-038
ID2:
STATUS: ELUR
PHONE:

CONTACT:
SOURCE:

SITE INFORMATION:

INSTITUTIONAL CONTROLS: ELUR
ELUR DATE: 29-JUN-04
SITE SIZE:
RESPONSE ACTION COMPLETED: NO
NFA DATE:
LOC DATE:
SOURCE OF CONTAMINATION: HISTORICAL

BROWNFIELD

SEARCH ID: 98 **DIST/DIR:** 0.27 NW **ELEVATION:** 7 **MAP ID:** 37

NAME: WEST MARLBOROUGH ST. PROPERTY
ADDRESS: 6 W MARLBOROUGH
NEWPORT RI
NEWPORT

REV: 10/1/08
ID1: RIBF-038
ID2:
STATUS: ACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION:

INSTITUTIONAL CONTROLS: ELUR
ELUR DATE: 29-JUN-04
SITE SIZE:
RESPONSE ACTION COMPLETED:
NFA DATE:
LOC DATE:
SOURCE OF CONTAMINATION: HISTORICAL

**Environmental FirstSearch
Site Detail Report**

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

LUST

SEARCH ID: 83 **DIST/DIR:** 0.27 SW **ELEVATION:** 8 **MAP ID:** 38

NAME: NEWPORT HARBOR CENTER
ADDRESS: 365 THAMES ST
NEWPORT RI
NEWPORT
CONTACT:
SOURCE: RI DEM

REV: 11/18/11
ID1: 2286-ST
ID2: 2818
STATUS: I - INACTIVE
PHONE:

PROJECT DATE: 2/7/2007
UST FAC ID: 2818

BROWNFIELD

SEARCH ID: 96 **DIST/DIR:** 0.28 SE **ELEVATION:** 92 **MAP ID:** 39

NAME: REDWOOD LIBRARY
ADDRESS: 50 BELLEVUE AVE
NEWPORT RI
CONTACT:
SOURCE: RI DEM

REV: 10/1/08
ID1: RIBF-0106-081
ID2:
STATUS: ACTIVE
PHONE:

SITE INFORMATION:

INSTITUTIONAL CONTROLS:
ELUR DATE:
SITE SIZE:
RESPONSE ACTION COMPLETED:
NFA DATE:
LOC DATE:
SOURCE OF CONTAMINATION: ARSENIC

Environmental FirstSearch
Site Detail Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

STATE

SEARCH ID: 32 **DIST/DIR:** 0.28 SE **ELEVATION:** 92 **MAP ID:** 39

NAME: REDWOOD LIBRARY
ADDRESS: 50 BELLEVUE AVE
NEWPORT RI

REV: 11/18/11
ID1: REDW-HWM
ID2:
STATUS: A = ACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION

PROJECT DATE: 11/29/2004

PROJECT CODE: REDW-HWM = HAZARDOUS WASTE MANAGEMENT PROGRAM

STATE

SEARCH ID: 11 **DIST/DIR:** 0.29 NW **ELEVATION:** 0 **MAP ID:** 40

NAME: EASTERN RESORTS (SEE LONG WHARF)
ADDRESS: 125 and 126-128 LONG WHARF
NEWPORT RI

REV: 11/18/11
ID1: EARE-HWM
ID2:
STATUS: A = ACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION

PROJECT DATE: 12/08/98

PROJECT CODE: EARE-HWM = HAZARDOUS WASTE MANAGEMENT PROGRAM

Environmental FirstSearch
Site Detail Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

LUST

SEARCH ID: 78 **DIST/DIR:** 0.30 NE **ELEVATION:** 23 **MAP ID:** 41

NAME: DEL NERO CLEANERS and LAUNDRY
ADDRESS: 11 FAREWELL ST
NEWPORT RI

REV: 11/18/11
ID1: 2268-ST
ID2: 1839
STATUS: A - ACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

PROJECT DATE: 12/3/1999
UST FAC ID: 1839

STATE

SEARCH ID: 14 **DIST/DIR:** 0.31 NW **ELEVATION:** 0 **MAP ID:** 42

NAME: INN ON LONG WHARF
ADDRESS: 142 LONG WHARF
NEWPORT RI
NEWPORT

REV: 11/18/11
ID1: IOLW-HWM
ID2:
STATUS: A = ACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION

PROJECT DATE: 10/08/02
PROJECT CODE: IOLW-HWM = HAZARDOUS WASTE MANAGEMENT PROGRAM

LUST

SEARCH ID: 75 **DIST/DIR:** 0.31 NW **ELEVATION:** 3 **MAP ID:** 43

NAME: CITY OF NEWPORT SEWAGE PUMPING STATION
ADDRESS: LONG WHARF
NEWPORT RI
NEWPORT

REV: 11/18/11
ID1: 2215-LS
ID2: 604
STATUS: SRO - SOIL REMOVAL ONLY
PHONE:

CONTACT:
SOURCE: RI DEM

Environmental FirstSearch
Site Detail Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

LUST

SEARCH ID: 75 **DIST/DIR:** 0.31 NW **ELEVATION:** 3 **MAP ID:** 43

NAME: CITY OF NEWPORT SEWAGE PUMPING STATION
ADDRESS: LONG WHARF
NEWPORT RI
NEWPORT

REV: 11/18/11
ID1: 2215-LS
ID2: 604
STATUS: SRO - SOIL REMOVAL ONLY
PHONE:

CONTACT:
SOURCE: RI DEM

PROJECT DATE: 10/25/1990
UST FAC ID: 604

LUST

SEARCH ID: 86 **DIST/DIR:** 0.32 NE **ELEVATION:** 59 **MAP ID:** 44

NAME: NYNEX
ADDRESS: 20 BULL ST
NEWPORT RI

REV: 11/18/11
ID1: 2231-LS
ID2: 1199
STATUS: I - INACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

PROJECT DATE: 8/20/1994
UST FAC ID: 1199

***Environmental FirstSearch
Site Detail Report***

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

CERCLIS

SEARCH ID: 2 **DIST/DIR:** 0.34 NW **ELEVATION:** 0 **MAP ID:** 45

<p>NAME: LONG WHARF AREA ADDRESS: CORNER OF LONG WHARF and WASHINGTON ST NEWPORT RI 02840 NEWPORT CONTACT: 1270095 SOURCE: EPA</p>	<p>REV: 7/26/11 ID1: RID987493335 ID2: 0102679 STATUS: NOT PROPOSED PHONE: 1270095</p>
---	---

ACTION/QUALITY	AGENCY/RPS	START/RAA	END
site inspection Higher priority for further assessment	State, Fund Financed	12/13/1994	7/19/1995
site reassessment Low priority for further assessment	EPA Fund-Financed		8/2/2001
preliminary assessment Low priority for further assessment	State, Fund Financed		11/8/1994
discovery	State, Fund Financed		6/1/1993

DESCRIPTION:

Environmental FirstSearch
Site Detail Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

STATE

SEARCH ID: 17 **DIST/DIR:** 0.34 NW **ELEVATION:** 0 **MAP ID:** 46

NAME: LONG WHARF
ADDRESS: LONG WHARF and WASHINGTON
NEWPORT RI

REV: 11/18/11
ID1: LW-SFA
ID2:
STATUS: A = ACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION

PROJECT DATE: 06/01/93

PROJECT CODE: LW-SFA = CERCLIS/SUPERFUND

STATE

SEARCH ID: 18 **DIST/DIR:** 0.34 NW **ELEVATION:** 0 **MAP ID:** 46

NAME: LONG WHARF
ADDRESS: LONG WHARF and WASHINGTON
NEWPORT RI

REV: 11/18/11
ID1: LWH-HWM
ID2:
STATUS: I = INACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION

PROJECT DATE: 09/30/92

PROJECT CODE: LWH-HWM = HAZARDOUS WASTE MANAGEMENT PROGRAM

Environmental FirstSearch
Site Detail Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

LUST

SEARCH ID: 85 **DIST/DIR:** 0.35 SE **ELEVATION:** 33 **MAP ID:** 47

NAME: NEWPORT LIBRARY
ADDRESS: 300 SPRING ST
NEWPORT RI
NEWPORT

REV: 11/18/11
ID1: 2256-ST
ID2: 18350
STATUS: I - INACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

PROJECT DATE: 2/16/1998
UST FAC ID: 18350

STATE

SEARCH ID: 22 **DIST/DIR:** 0.36 SW **ELEVATION:** 13 **MAP ID:** 48

NAME: NEWPORT ON SHORE
ADDRESS: 405 THAMES ST
NEWPORT RI
NEWPORT

REV: 11/18/11
ID1: NONS-HWM
ID2:
STATUS: A = ACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION

PROJECT DATE: 10/08/02

PROJECT CODE: NONS-HWM = HAZARDOUS WASTE MANAGEMENT PROGRAM

LUST

SEARCH ID: 82 **DIST/DIR:** 0.36 NE **ELEVATION:** 30 **MAP ID:** 49

NAME: MARTIN LUTHER KING
ADDRESS: 20 W. W. BROADWAY
NEWPORT RI
NEWPORT

REV: 11/18/11
ID1: 2221-LS
ID2: 16354
STATUS: I - INACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

Environmental FirstSearch
Site Detail Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

LUST

SEARCH ID: 82 **DIST/DIR:** 0.36 NE **ELEVATION:** 30 **MAP ID:** 49

NAME: MARTIN LUTHER KING
ADDRESS: 20 W W. BROADWAY
NEWPORT RI
NEWPORT

REV: 11/18/11
ID1: 2221-LS
ID2: 16354
STATUS: I - INACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

PROJECT DATE: 11/1/1992
UST FAC ID: 16354

STATE

SEARCH ID: 10 **DIST/DIR:** 0.37 SW **ELEVATION:** 11 **MAP ID:** 50

NAME: EASTERN ICE COMPANY
ADDRESS: 10 BROWN and HOWARD WHARF
NEWPORT RI
NEWPORT

REV: 11/18/11
ID1: EICE-HWM
ID2:
STATUS: A = ACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION

PROJECT DATE: 8/17/2007

PROJECT CODE: EICE-HWM = HAZARDOUS WASTE MANAGEMENT PROGRAM

LUST

SEARCH ID: 72 **DIST/DIR:** 0.37 NW **ELEVATION:** 4 **MAP ID:** 51

NAME: BAYSIDE APARTMENTS
ADDRESS: 3 ST
NEWPORT RI

REV: 11/18/11
ID1: 2218-LS
ID2: 2134
STATUS: I - INACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

Environmental FirstSearch
Site Detail Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

LUST

SEARCH ID: 72 **DIST/DIR:** 0.37 NW **ELEVATION:** 4 **MAP ID:** 51

NAME: BAYSIDE APARTMENTS
ADDRESS: 3 ST
NEWPORT RI

REV: 11/18/11
ID1: 2218-LS
ID2: 2134
STATUS: I - INACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

PROJECT DATE: 5/1/1991
UST FAC ID: 2134

LUST

SEARCH ID: 73 **DIST/DIR:** 0.37 NW **ELEVATION:** 4 **MAP ID:** 51

NAME: BAYSIDE APARTMENTS
ADDRESS: 3 ST
NEWPORT RI

REV: 11/18/11
ID1: 2276-ST
ID2: 2134
STATUS: I - INACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

PROJECT DATE: 1/12/2001
UST FAC ID: 2134

STATE

SEARCH ID: 8 **DIST/DIR:** 0.39 NW **ELEVATION:** 0 **MAP ID:** 52

NAME: AMERICAN SHIPYARD
ADDRESS: WASHINGTON ST
NEWPORT RI
NEWPORT

REV: 11/18/11
ID1: AMSH-HWM
ID2:
STATUS: A = ACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION

PROJECT DATE: 06/05/97

PROJECT CODE: AMSH-HWM = HAZARDOUS WASTE MANAGEMENT PROGRAM

**Environmental FirstSearch
Site Detail Report**

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

LUST

SEARCH ID: 71 **DIST/DIR:** 0.39 NW **ELEVATION:** 0 **MAP ID:** 52

<p>NAME: AMERICIAN SHIPYARD ADDRESS: 1 WASHINGTON ST NEWPORT RI NEWPORT</p> <p>CONTACT: SOURCE: RI DEM</p>	<p>REV: 11/18/11 ID1: 2262-ST ID2: 15441 STATUS: I - INACTIVE PHONE:</p>
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PROJECT DATE: 12/9/1998
UST FAC ID: 15441

STATE

SEARCH ID: 16 **DIST/DIR:** 0.39 SW **ELEVATION:** 9 **MAP ID:** 53

<p>NAME: LEE S WHARF ADDRESS: THAMES ST NEWPORT RI</p> <p>CONTACT: SOURCE: RI DEM</p>	<p>REV: 11/18/11 ID1: LEES-HWM ID2: STATUS: A = ACTIVE PHONE:</p>
---	--

SITE INFORMATION

PROJECT DATE: NA
PROJECT CODE: LEES-HWM = HAZARDOUS WASTE MANAGEMENT PROGRAM

LUST

SEARCH ID: 89 **DIST/DIR:** 0.41 SE **ELEVATION:** 83 **MAP ID:** 54

<p>NAME: TRAVERS BUILDING ADDRESS: 174 BELLEVUE AVE NEWPORT RI</p> <p>CONTACT: SOURCE: RI DEM</p>	<p>REV: 11/18/11 ID1: 2229-LS ID2: 16768 STATUS: SRO - SOIL REMOVAL ONLY PHONE:</p>
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Environmental FirstSearch
Site Detail Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

LUST

SEARCH ID: 89 **DIST/DIR:** 0.41 SE **ELEVATION:** 83 **MAP ID:** 54

NAME: TRAVERS BUILDING
ADDRESS: 174 BELLEVUE AVE
NEWPORT RI

REV: 11/18/11
ID1: 2229-LS
ID2: 16768
STATUS: SRO - SOIL REMOVAL ONLY
PHONE:

CONTACT:
SOURCE: RI DEM

PROJECT DATE: 6/25/1994
UST FAC ID: 16768

LUST

SEARCH ID: 84 **DIST/DIR:** 0.43 SE **ELEVATION:** 72 **MAP ID:** 55

NAME: NEWPORT HOUSING AUTHORITY
ADDRESS: 19 CHAPEL ST
NEWPORT RI
NEWPORT

REV: 11/18/11
ID1: 2292-ST
ID2: 4280
STATUS: I - INACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

PROJECT DATE: 2/9/2009
UST FAC ID: 4280

**Environmental FirstSearch
Site Detail Report**

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

BROWNFIELD

SEARCH ID: 92 **DIST/DIR:** 0.43 SE **ELEVATION:** 72 **MAP ID:** 55

NAME: NATIONAL GRID - NEWPORT HOUSING AUTHORITY
ADDRESS: 19 CHAPEL ST
NEWPORT RI

REV: 09/30/06
ID1: RIBF-0307-044
ID2:
STATUS: ACTIVE
PHONE:

CONTACT:
SOURCE:

SITE INFORMATION:

INSTITUTIONAL CONTROLS:
ELUR DATE:
SITE SIZE:
RESPONSE ACTION COMPLETED:
NFA DATE:
LOC DATE:
SOURCE OF CONTAMINATION: TRANSFORMERS

BROWNFIELD

SEARCH ID: 93 **DIST/DIR:** 0.43 SE **ELEVATION:** 72 **MAP ID:** 55

NAME: NATIONAL GRID - NEWPORT HOUSING AUTHORITY
ADDRESS: 19 CHAPEL ST
NEWPORT RI
NEWPORT

REV: 10/1/08
ID1: RIBF-0908-119
ID2:
STATUS: ACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION:

INSTITUTIONAL CONTROLS:
ELUR DATE:
SITE SIZE:
RESPONSE ACTION COMPLETED: BETWEEN 10/1/06 AND 9/30/07
NFA DATE: 5/10/2007
LOC DATE:
SOURCE OF CONTAMINATION: Transformers

Environmental FirstSearch
Site Detail Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

STATE

SEARCH ID: 20 **DIST/DIR:** 0.43 SE **ELEVATION:** 72 **MAP ID:** 55

NAME: NATIONAL GRID - NEWPORT HOUSING AUTHORITY
ADDRESS: 19 CHAPEL ST
NEWPORT RI

REV: 11/18/11
ID1: NENH-HWM
ID2:
STATUS: I = INACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION

PROJECT DATE: 12/14/2005

PROJECT CODE: NENH-HWM = HAZARDOUS WASTE MANAGEMENT PROGRAM

STATE

SEARCH ID: 26 **DIST/DIR:** 0.43 SW **ELEVATION:** 18 **MAP ID:** 56

NAME: PIER RESTAURANT
ADDRESS: HOWARD WHARF
NEWPORT RI

REV: 11/18/11
ID1: PIER-HWM
ID2:
STATUS: I = INACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION

PROJECT DATE: 04/02/01

PROJECT CODE: PIER-HWM = HAZARDOUS WASTE MANAGEMENT PROGRAM

Environmental FirstSearch
Site Detail Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

BROWNFIELD

SEARCH ID: 95 **DIST/DIR:** 0.43 SW **ELEVATION:** 18 **MAP ID:** 56

NAME: PIER RESTAURANT
ADDRESS: HOWARD WHARF
NEWPORT RI

REV: 10/1/08
ID1: RIBF-164
ID2:
STATUS: ACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION:

INSTITUTIONAL CONTROLS: ELUR
ELUR DATE: 19-DEC-03
SITE SIZE:
RESPONSE ACTION COMPLETED: 9-30-04
NFA DATE:
LOC DATE: 1/15/2004
SOURCE OF CONTAMINATION:

STATE

SEARCH ID: 12 **DIST/DIR:** 0.44 SW **ELEVATION:** 7 **MAP ID:** 57

NAME: HOWARD WHARF
ADDRESS: HOWARD WHARF
NEWPORT RI
NEWPORT

REV: 8/29/01
ID1: HOWW-HWM
ID2:
STATUS: ACTIVE
PHONE:

CONTACT:
SOURCE:

SITE INFORMATION

PROJECT DATE: 04/02/01

Environmental FirstSearch
Site Detail Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

STATE

SEARCH ID: 35 **DIST/DIR:** 0.44 SW **ELEVATION:** 19 **MAP ID:** 58

NAME: THAMES PIER
ADDRESS: 449 THAMES ST
NEWPORT RI

REV: 11/18/11
ID1: THAM-HWM
ID2:
STATUS: A = ACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION

PROJECT DATE: 08/02/95

PROJECT CODE: THAM-HWM = HAZARDOUS WASTE MANAGEMENT PROGRAM

LUST

SEARCH ID: 79 **DIST/DIR:** 0.47 NE **ELEVATION:** 42 **MAP ID:** 59

NAME: FOLEY S GULF SERVICE
ADDRESS: 105 BROADWAY
NEWPORT RI

REV: 11/18/11
ID1: 2265-LS
ID2: 2894
STATUS: I - INACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

PROJECT DATE: 6/14/1999
UST FAC ID: 2894

**Environmental FirstSearch
Site Detail Report**

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

BROWNFIELD

SEARCH ID: 97 **DIST/DIR:** 0.49 SW **ELEVATION:** 2 **MAP ID:** 60

NAME: SPRING WHARF ASSOCIATES, LLC
ADDRESS: 10 SPRING WHARF
NEWPORT RI
NEWPORT
CONTACT:
SOURCE: RI DEM

REV: 10/1/08
ID1: RIBF-0309-025
ID2:
STATUS: ACTIVE
PHONE:

SITE INFORMATION:

INSTITUTIONAL CONTROLS: ELUR
ELUR DATE: 2/11/08
SITE SIZE: 1
RESPONSE ACTION COMPLETED: BETWEEN 10/1/07 AND 9/30/08
NFA DATE:
LOC DATE: 2/20/2008
SOURCE OF CONTAMINATION: HISTORICAL FILL

STATE

SEARCH ID: 34 **DIST/DIR:** 0.49 SW **ELEVATION:** 2 **MAP ID:** 60

NAME: SPRING WHARF ASSOCIATES, LLC
ADDRESS: 10 SPRING WHARF
NEWPORT RI
NEWPORT
CONTACT:
SOURCE: RI DEM

REV: 11/18/11
ID1: SPRW-HWM
ID2:
STATUS: I = INACTIVE
PHONE:

SITE INFORMATION

PROJECT DATE: 9/5/2007
PROJECT CODE: SPRW-HWM = HAZARDOUS WASTE MANAGEMENT PROGRAM

**Environmental FirstSearch
Site Detail Report**

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

LUST

SEARCH ID: 81 **DIST/DIR:** 0.49 NW **ELEVATION:** 7 **MAP ID:** 61

<p>NAME: HUNT HOUSE ADDRESS: 54 WASHINGTON ST NEWPORT RI NEWPORT CONTACT: SOURCE: RI DEM</p>	<p>REV: 11/18/11 ID1: 2257-ST ID2: 18530 STATUS: I - INACTIVE PHONE:</p>
--	---

PROJECT DATE: 4/29/1998
UST FAC ID: 18530

LUST

SEARCH ID: 88 **DIST/DIR:** 0.49 SW **ELEVATION:** 0 **MAP ID:** 62

<p>NAME: TALLMAN AND MACK ADDRESS: SPRING WHARF NEWPORT RI NEWPORT CONTACT: SOURCE: RI DEM</p>	<p>REV: 11/18/11 ID1: 2243-LS ID2: 2844 STATUS: SRO - SOIL REMOVAL ONLY PHONE:</p>
--	---

PROJECT DATE: 4/17/1995
UST FAC ID: 2844

STATE

SEARCH ID: 37 **DIST/DIR:** 0.54 SW **ELEVATION:** 0 **MAP ID:** 63

<p>NAME: WAITE S WHARF ADDRESS: SOUTH WAITE WHARF NEWPORT RI CONTACT: SOURCE: RI DEM</p>	<p>REV: 11/18/11 ID1: WAIT-HWM ID2: STATUS: I = INACTIVE PHONE:</p>
--	--

SITE INFORMATION

PROJECT DATE: 05/28/93
PROJECT CODE: WAIT-HWM = HAZARDOUS WASTE MANAGEMENT PROGRAM

Environmental FirstSearch
Site Detail Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

STATE

SEARCH ID: 25 **DIST/DIR:** 0.58 SE **ELEVATION:** 56 **MAP ID:** 64

NAME: PEOPLE S CREDIT UNION
ADDRESS: 43 MEMORIAL BLVD
NEWPORT RI

REV: 11/18/11
ID1: PECU-HWM
ID2:
STATUS: I = INACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION

PROJECT DATE: 5/11/2006

PROJECT CODE: PECU-HWM = HAZARDOUS WASTE MANAGEMENT PROGRAM

STATE

SEARCH ID: 27 **DIST/DIR:** 0.65 SW **ELEVATION:** 9 **MAP ID:** 65

NAME: PROVIDENCE GAS COMPANY 1
ADDRESS: 543 THAMES ST
NEWPORT RI
NEWPORT

REV: 11/18/11
ID1: PGC1-SFA
ID2:
STATUS: I = INACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION

PROJECT DATE: 02/01/85

PROJECT CODE: PGC1-SFA = CERCLIS/SUPERFUND

**Environmental FirstSearch
Site Detail Report**

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

STATE

SEARCH ID: 28 **DIST/DIR:** 0.65 SW **ELEVATION:** 9 **MAP ID:** 65

NAME: PROVIDENCE GAS COMPANY 1
ADDRESS: 543 THAMES ST
NEWPORT RI
NEWPORT

REV: 06/11/98
ID1: PGC1-SFA
ID2:
STATUS: I
PHONE:

CONTACT:
SOURCE:

PROJECT DATE: 02/01/85

STATE

SEARCH ID: 29 **DIST/DIR:** 0.65 SW **ELEVATION:** 9 **MAP ID:** 65

NAME: PROVIDENCE GAS COMPANY 1
ADDRESS: 543 THAMES ST
NEWPORT RI
NEWPORT

REV: 11/18/11
ID1: PGC1-HWM
ID2:
STATUS: A = ACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION

PROJECT DATE: 05/14/97

PROJECT CODE: PGC1-HWM = HAZARDOUS WASTE MANAGEMENT PROGRAM

Environmental FirstSearch
Site Detail Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

STATE

SEARCH ID: 30 **DIST/DIR:** 0.65 SW **ELEVATION:** 9 **MAP ID:** 65

NAME: PROVIDENCE GAS COMPANY 2
ADDRESS: 543 THAMES ST
NEWPORT RI
NEWPORT
CONTACT:
SOURCE: RI DEM

REV: 11/18/11
ID1: PGC2-SFA
ID2:
STATUS: I = INACTIVE
PHONE:

SITE INFORMATION

PROJECT DATE: 02/01/85
PROJECT CODE: PGC2-SFA = CERCLIS/SUPERFUND

STATE

SEARCH ID: 31 **DIST/DIR:** 0.65 SW **ELEVATION:** 9 **MAP ID:** 65

NAME: PROVIDENCE GAS MGP NEWP
ADDRESS: 543 THAMES ST
NEWPORT RI
NEWPORT
CONTACT:
SOURCE: RI DEM

REV: 11/18/11
ID1: PMGP-HWM
ID2:
STATUS: A = ACTIVE
PHONE:

SITE INFORMATION

PROJECT DATE: 05/14/97
PROJECT CODE: PMGP-HWM = HAZARDOUS WASTE MANAGEMENT PROGRAM

Environmental FirstSearch
Site Detail Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

STATE

SEARCH ID: 33 **DIST/DIR:** 0.69 SE **ELEVATION:** 15 **MAP ID:** 66

NAME: SHELL FACILITY 139044 (FORMER)
ADDRESS: 560 THAMES ST
NEWPORT RI
NEWPORT

REV: 11/18/11
ID1: SHEN-HWM
ID2:
STATUS: A = ACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION

PROJECT DATE: 11/20/2007

PROJECT CODE: SHEN-HWM = HAZARDOUS WASTE MANAGEMENT PROGRAM

STATE

SEARCH ID: 13 **DIST/DIR:** 0.72 NW **ELEVATION:** 0 **MAP ID:** 67

NAME: HYATT REGENCY -GOAT ISLAND
ADDRESS: ONE GOAT ISLAND
NEWPORT RI

REV: 11/18/11
ID1: HYAT-HWM
ID2:
STATUS: A = ACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION

PROJECT DATE: 11/18/2004

PROJECT CODE: HYAT-HWM = HAZARDOUS WASTE MANAGEMENT PROGRAM

***Environmental FirstSearch
Site Detail Report***

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

STATE

SEARCH ID: 7 **DIST/DIR:** 0.84 NW **ELEVATION:** 16 **MAP ID:** 68

NAME: AARDVARK ANTIQUES
ADDRESS: 9 J T CONNELL HWY
NEWPORT RI

REV: 11/18/11
ID1: AARD-HWM
ID2:
STATUS: I = INACTIVE
PHONE:

CONTACT:
SOURCE: RI DEM

SITE INFORMATION

PROJECT DATE: 03/05/01

PROJECT CODE: AARD-HWM = HAZARDOUS WASTE MANAGEMENT PROGRAM

Environmental FirstSearch Site Detail Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

NPL

SEARCH ID: 1 **DIST/DIR:** 0.96 NW **ELEVATION:** **MAP ID:** 69

<p>NAME: NEWPORT NAVAL EDUCATION/TRAINING CENTER ADDRESS: DEFENSE HGWY (BURMA RD) NEWPORT RI 02840</p> <p>CONTACT: SARAH WHITE SOURCE: EPA</p>	<p>REV: 9/30/11 ID1: RI6170085470 ID2: 0101431 STATUS: FINAL PHONE: 6175659260</p>
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SITE INFORMATION

EVENT TYPE

SITE DISCOVERY BY:	EPA	DISCOVERY DATE:	04-11-85
SITE PROPOSED BY:	EPA	PROPOSED DATE:	07-14-89
FINAL LIST BY:	EPA	FINAL LIST DATE:	11-21-89

ACTIVITIES: US NAVY REFUELING DEPOT AND LANDFILL

CONTAMINANTS: HEAVY METALS, LEAD, COPPER, NICKEL
SOURCE OF CONTAMINATION: SLUDGE BED, BURIED TANK FARM AND OPEN GROUND DUMP

CONTAMINATED: GROUNDWATER, WELLS, SEDIMENT FROM NARRAGANSETT BAY
THREATENED: NEARBY WETLANDS

SITE DESCRIPTION

Conditions at proposal (July 14, 1989): The Naval Education and Training Center (NETC) is spread along 6 miles of the western shoreline of Aquidneck Island, north of Newport, Newport County, Rhode Island. NETC facilities are also on Gould Island, west of Aquidneck Island. NETC covers 1,439 acres. Prior to 1973, it covered 2,692 acres.

The Navy has used Aquidneck Island as a refueling depot since 1900. Additional fuel facilities were built during World War II, as were a supply station, barracks, farms, and a fire fighting training school. After the war, a number of research and development facilities and training centers were set up.

NETC is participating in the Installation Restoration Program (IRP), established in 1978. Under this program, the Department of Defense seeks to identify, investigate, and clean up contamination from hazardous materials. IRP studies identified numerous potentially contaminated areas, including the following. The 6-acre McAllister Point Landfill, along the shore of Narragansett Bay, from 1955 to the mid-1970s accepted wastes consisting primarily of domestic refuse, spent acids, solvents, paint, waste oil, and PCB-contaminated oil. Similar wastes were deposited at the 10-acre Melville North Landfill, located in a low-lying, wetland area along the shore of the bay. It was used from World War II to 1955 and sold to Melville Marine Industries/Hood Enterprises around 1984. Also in the Melville North area are two waste oil disposal areas: a sludge bed at an old sewage treatment plant, where oil was disposed of for 6 months, and two buried fuel tank farms. Another three tank farms are within 0.25 mile of the bay. Sludge from the farms was dumped on the ground or burned in chambers.

On Gould Island is a disposal area on a steep embankment along 200 yards of the west shoreline. Wastes disposed of included domestic trash, scrap metal, wood, pipes, rusted drums, two diesel fuel tanks, and concrete blocks, and possibly electroplating and degreasing wastes. In 1982, 10 drums, contents unknown, were removed from a bunker which was later demolished. The disposal area is in the southwest portion of the island within 100 feet of Narragansett Bay. This portion of the island is now under State control and is accessible to the public by boat. The Gould Island Electroplating Shop produced wastes similar to those deposited at the disposal area. The wastes probably were dumped into the bay. The shop is not accessible to the public.

Lead and copper are present in monitoring wells in McAllister Point Landfill, according to a 1986 IRP report. An estimated 4,800 people obtain drinking water and 220 acres of land are irrigated from private wells within 3 miles of hazardous substances at NETC.

Sediments collected from Narragansett Bay just off the shoreline of McAllister Point Landfill contain lead, copper, and nickel, according to the 1986 report. Surface water and ground water flow from the landfill into the bay, which is used for boating and fishing. Because the bay is an inlet to the Atlantic Ocean, it is influenced by tides. One tank farm is 300 feet from a coastal wetland.

Status (November 21, 1989): The Navy and Army Corps of Engineers are starting field work

- Continued on next page -

Environmental FirstSearch Site Detail Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

NPL

SEARCH ID: 1 **DIST/DIR:** 0.96 NW **ELEVATION:** **MAP ID:** 69

NAME: NEWPORT NAVAL EDUCATION/TRAINING CENTER
ADDRESS: DEFENSE HGWY (BURMA RD)
NEWPORT RI 02840

REV: 9/30/11
ID1: R16170085470
ID2: 0101431
STATUS: FINAL
PHONE: 6175659260

CONTACT: SARAH WHITE
SOURCE: EPA

FINAL DATE: 11/21/1989

CERCLIS DETAILS

ACTION/QUALITY	AGENCY/RPS	START/RAA	END
federal facility remedial design	Federal Facilities Primary	6/10/2011	
federal facility five year review	Federal Facilities Primary	6/9/2009	12/22/2009
federal facility removal	Federal Facilities	7/23/2007	8/5/2008
federal facility feasibility study	Federal Facilities	4/18/2007	
federal facility removal	Federal Facilities Primary	2/1/2007	
federal facility removal Cleaned up	Federal Facilities Primary	11/16/2006	12/27/2007
federal facility remedial investigation/feasibility study	Federal Facilities Primary	9/28/2006	
federal facility removal	Federal Facilities Primary	6/1/2005	1/9/2007
federal facility remedial investigation/feasibility study	Federal Facilities Primary	8/5/2004	
federal facility five year review	Federal Facilities Primary	6/25/2004	12/22/2004
federal facility remedial action Final RA Report	Federal Facilities Primary	3/21/2001	9/13/2005
federal facility five year review	Federal Facilities Primary	10/15/1999	12/30/1999
federal facility remedial investigation/feasibility study	Federal Facilities Primary	2/12/1996	
restoration advisory board	Federal Facilities	2/8/1996	

- Continued on next page -

Environmental FirstSearch Site Detail Report

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

NPL

SEARCH ID: 1 **DIST/DIR:** 0.96 NW **ELEVATION:** **MAP ID:** 69

NAME: NEWPORT NAVAL EDUCATION/TRAINING CENTER	REV: 9/30/11
ADDRESS: DEFENSE HGWY (BURMA RD) NEWPORT RI 02840	ID1: RI6170085470
	ID2: 0101431
CONTACT: SARAH WHITE	STATUS: FINAL
SOURCE: EPA	PHONE: 6175659260

federal facility remedial action Final RA Report	Federal Facilities Primary	12/27/1994	2/12/1997
federal facility remedial action Interim RA Report	Federal Facilities Primary	12/27/1993	8/13/1997
federal facility remedial design	Federal Facilities Primary	9/27/1993	8/31/1994
federal facility remedial design	Federal Facilities Primary	9/29/1992	6/14/1993
federal facility remedial investigation/feasibility study	Federal Facilities Primary	3/23/1992	9/29/1992
federal facility remedial investigation/feasibility study	Federal Facilities Primary	3/23/1992	9/27/1993
federal facility remedial investigation/feasibility study	Federal Facilities Primary	3/23/1992	3/1/2000
federal facility remedial investigation/feasibility study	Federal Facilities Primary	3/23/1992	9/28/2010
interagency agreement negotiations	Federal Enforcement Primary	12/31/1990	12/30/1991
state support agency cooperative agreement	State, Fund Financed Primary	5/22/1990	12/31/2001
proposal to national priorities list	EPA Fund-Financed		7/14/1989
hazard ranking system package	EPA Fund-Financed		11/21/1989
final listing on national priorities list	EPA Fund-Financed		11/21/1989
special notice issued	Federal Enforcement		12/31/1990
discovery	State, Fund Financed		4/11/1985
explanation of significant differences	Federal Facilities		10/31/2007
federal interagency agreement	Federal Enforcement Primary	12/30/1991	3/23/1992
operations and maintenance	Federal Facilities	2/12/1997	

- More Details Exist For This Site; Max Page Limit Reached -

Environmental FirstSearch
Street Name Report for Streets within .25 Mile(s) of Target Property

Target Property: QUEEN ANNE SQ
NEWPORT RI 02840

JOB: S2244

Street Name	Dist/Dir	Street Name	Dist/Dir
Allan Ct	0.24 NE	Hozier St	0.22 NE
America s Cup Ave	0.03 SW	John St	0.20 SE
Americas Cup Ave	0.20 SE	Long Wharf	0.20 NW
Bannister s Wharf	0.07 SW	Long Wharf Mal	0.18 NW
Bannisters Wharf	0.09 SW	Market Sq	0.04 SW
Barney Ct	0.22 NE	Marlborough St	0.25 NW
Barney St	0.21 NE	Martin St	0.25 SE
Birckhead Pl	0.08 NE	Mary St	0.08 NE
Bowens Lndg	0.05 SW	Meeting St	0.21 NE
Bowens Wharf	0.05 SW	Memorial Blvd	0.19 SE
Broadway	0.24 NE	Mill St	0.03 SW
Charles St	0.19 NE	Mount Vernon St	0.21 NE
Christies Landing	0.25 SE	Osborne Ct	0.21 SE
Church St	0.02 NE	Pelham St	0.08 SW
Clarke St	0.10 NE	Perry Mill Wharf	0.22 SW
Colonial St	0.20 NE	Prospect Hill St	0.14 SW
Commercial Wharf	0.15 SW	River Ln	0.24 NE
Corne St	0.18 SE	Russo Ct	0.22 NE
Cotton Ct	0.04 NE	Sayer Wharf	0.11 SW
Court House Sq	0.19 NE	School St	0.15 NE
Court House St	0.19 NE	Scott Wharf	0.12 SW
Division St	0.13 NE	Spring St	0.10 NE
Duke St	0.19 NW	State Highway 138 (A	0.03 SW
Fair St	0.22 SE	Swans Wharf Row	0.12 NW
Farewell St	0.24 NE	Swinburne Row	0.09 NW
Frank	0.00 --	Thames St	0.01 SW
Frank St	0.02 SE	Touro Ct	0.15 NE
Franklin St	0.15 SW	Touro Park St W	0.24 SE
Gidley St	0.23 SE	Touro St	0.17 NE
Goddard Row	0.09 NW	W Marlborough St	0.25 NW
Green Pl	0.16 SE	W Pelham St	0.08 SW
Green St	0.11 SW	Washington Sq	0.19 NE
Hammett Wharf	0.22 SE	Whitfield Pl	0.23 NE
High St	0.18 SE		
Highway 138A	0.03 SW		



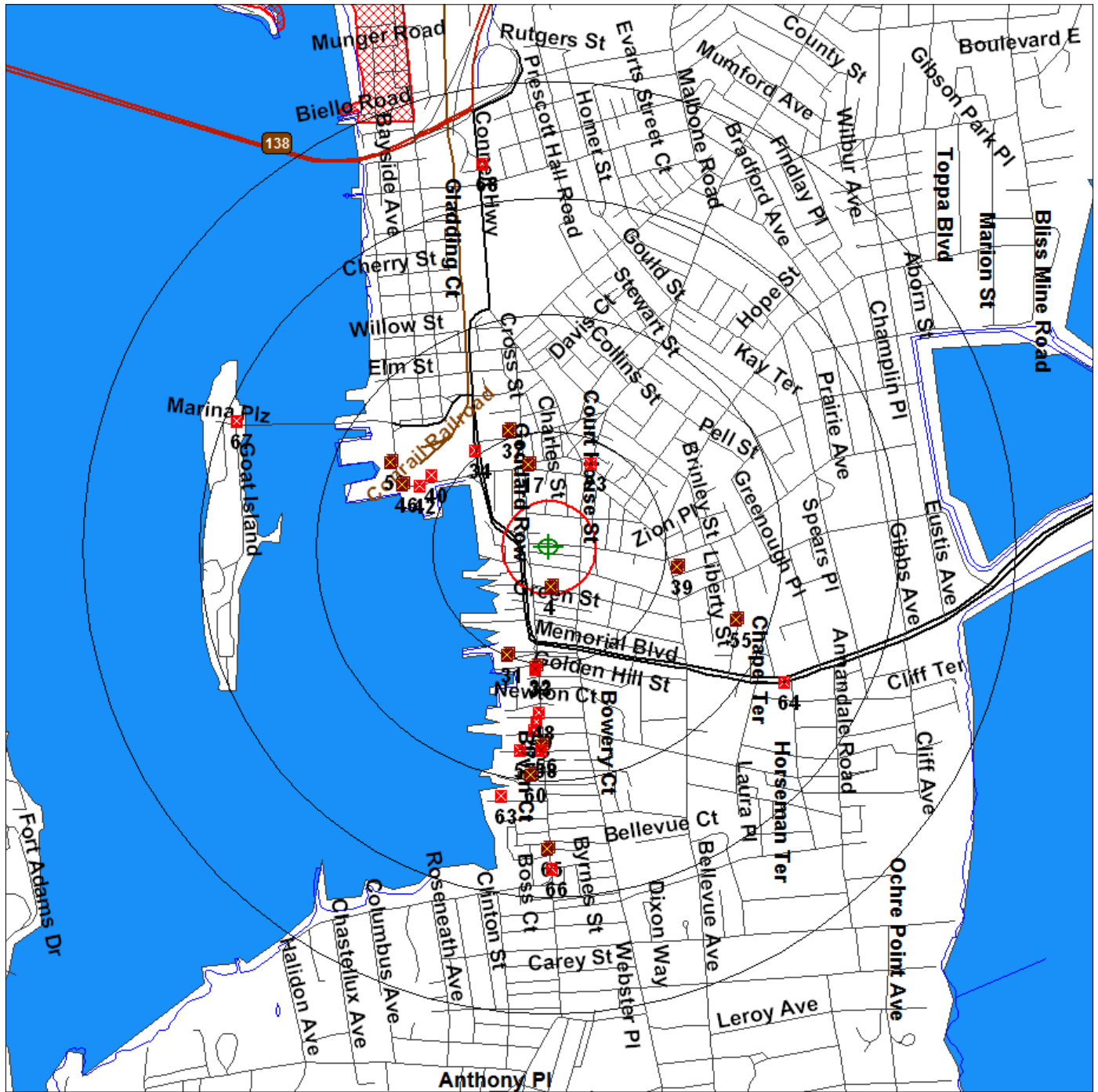
Environmental FirstSearch

1 Mile Radius

ASTM Map: NPL, RCRCOR, STATE Sites

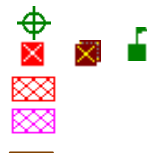


QUEEN ANNE SQ, NEWPORT RI 02840



Source: 2005 U.S. Census TIGER Files

- Target Site (Latitude: 41.487442 Longitude: -71.314223)
- Identified Site, Multiple Sites, Receptor
- NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste
- Triballand.....
- Railroads
- Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius





Environmental FirstSearch

.5 Mile Radius
ASTM Map: CERCLIS, RCRATSD, LUST, SWL

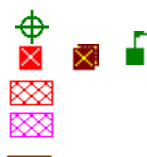


QUEEN ANNE SQ, NEWPORT RI 02840



Source: 2005 U.S. Census TIGER Files

- Target Site (Latitude: 41.487442 Longitude: -71.314223)
- Identified Site, Multiple Sites, Receptor
- NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste
- Triballand.....
- Railroads
- Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius





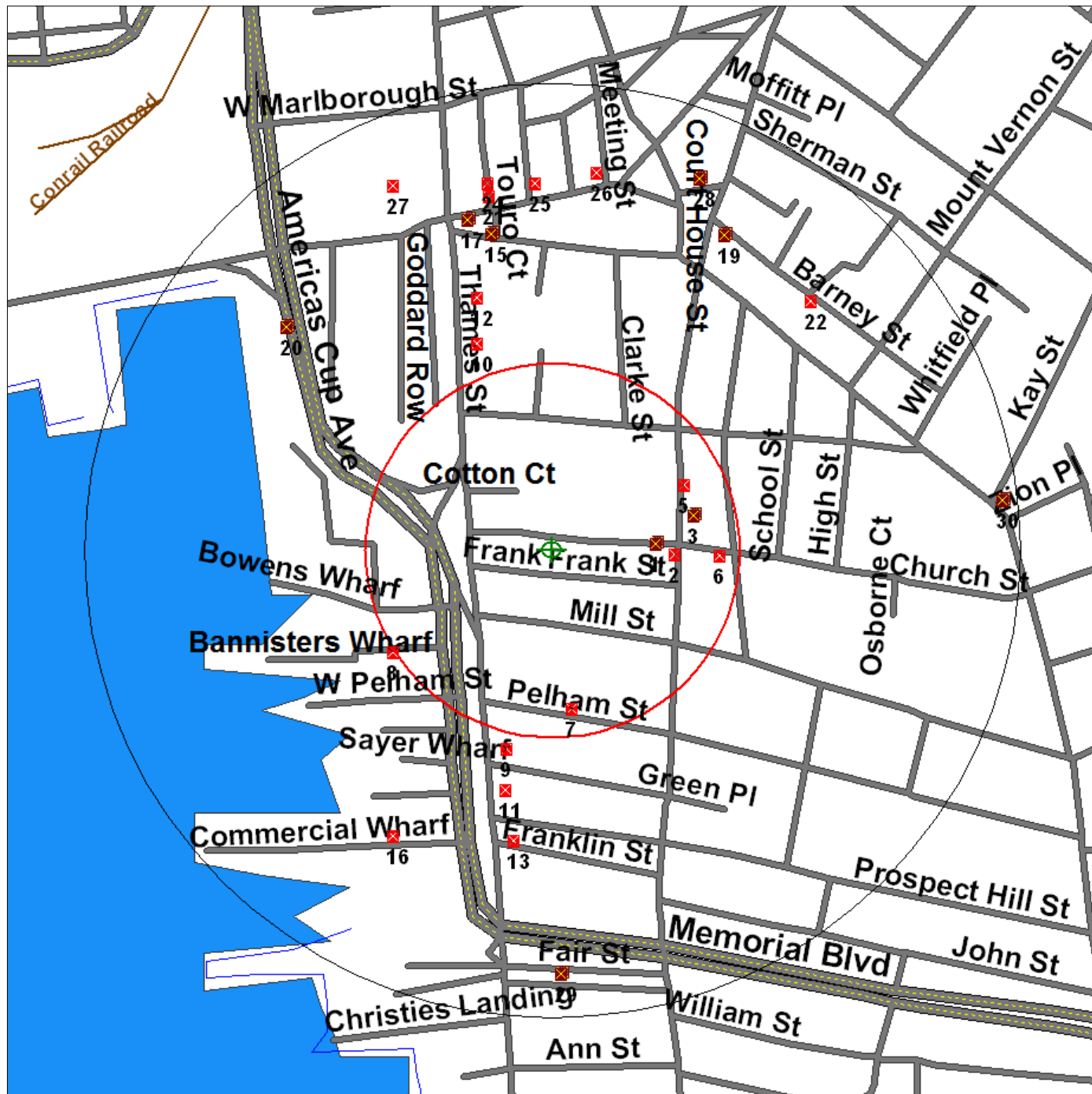
Environmental FirstSearch

.25 Mile Radius

ASTM Map: RC RAGEN, ERNS, UST, FED IC/EC, METH LABS

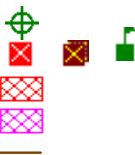


QUEEN ANNE SQ, NEWPORT RI 02840



Source: 2005 U.S. Census TIGER Files

- Target Site (Latitude: 41.487442 Longitude: -71.314223)
- Identified Site, Multiple Sites, Receptor
- NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste
- Triballand.....
- Railroads
- Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius



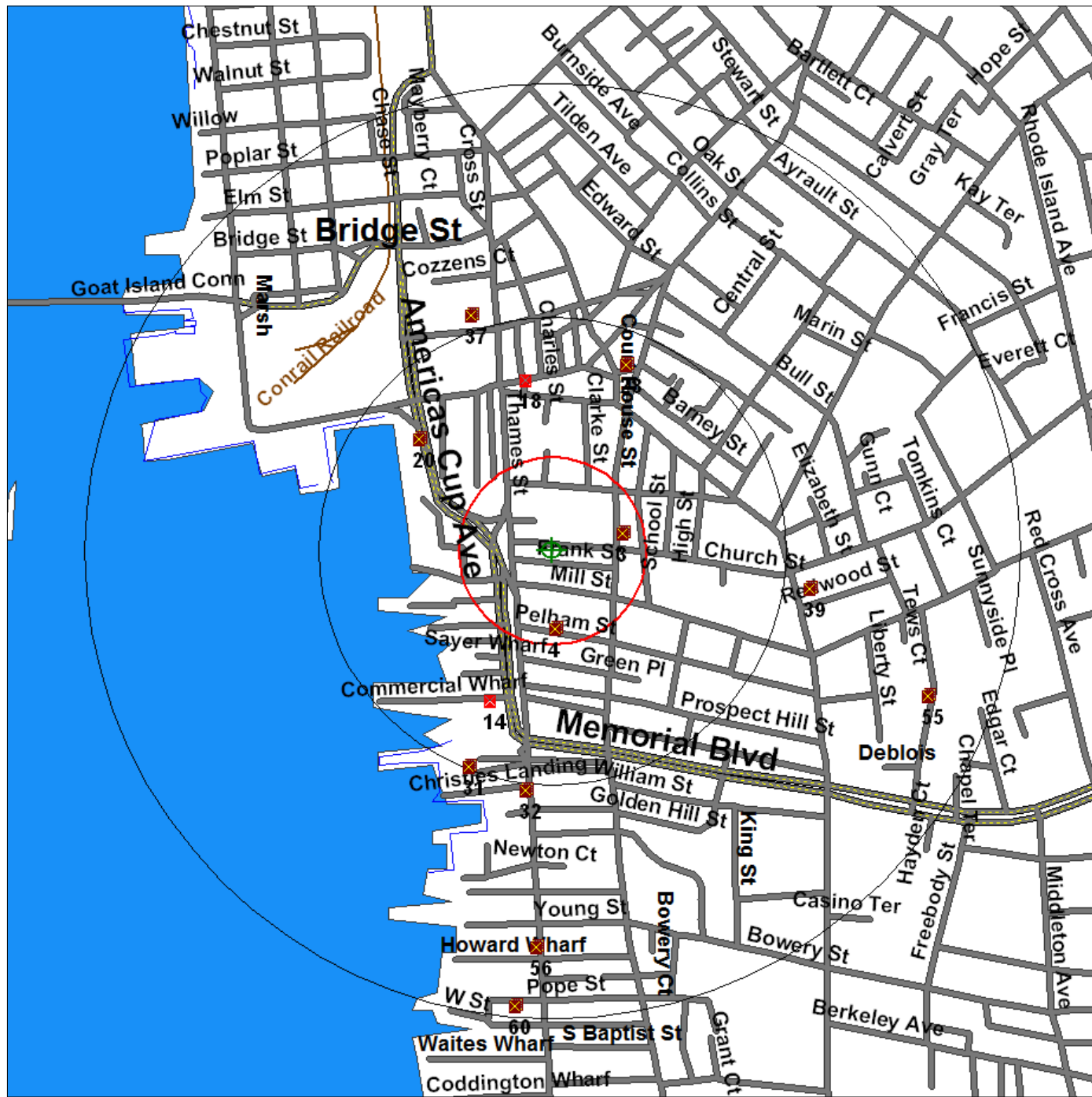


Environmental FirstSearch

.5 Mile Radius
Non-ASTM Map: Multiple Databases



QUEEN ANNE SQ, NEWPORT RI 02840



Source: 2005 U.S. Census TIGER Files

- Target Site (Latitude: 41.487442 Longitude: -71.314223)
- Identified Site, Multiple Sites, Receptor
- NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste
- Triballand.....
- National Historic Sites and Landmark Sites
- Railroads
- Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius



APPENDIX C

due here
NT
OGRAM

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16494

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STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

Department of Environmental Management
OIL POLLUTION/UNDERGROUND STORAGE TANK PROGRAM
291 Promenade Street
Providence, R.I. 02908 - 5767

CERTIFIED MAIL

July 21, 1993

Herb Lawton
Trinity Church
Queen Anne Square
Newport, RI 02840

Re: Property at Trinity Church, Newport

Dear Mr. Lawton:

On July, 16, 1993, a representative of this office witnessed an underground storage tank removal at the above-referenced property. At that time, soil contaminated with petroleum caused by prior leakage or spillage was required to be stockpiled for off-site disposal at an approved facility.

In accordance with the Oil Pollution Regulations and Solid Waste Disposal Regulations this soil is categorized as "oil spill debris" and as such is a "special waste". These regulations require disposal within a period of thirty (30) days, or no later than August 17, 1993. Prior to transport to an approved disposal facility, the pile must be stored on and completely covered by thick gauge polyethylene or similar impervious material to prevent runoff and/or leachate, and to control odors. Documentation in the form of a receipt of the final disposal should be forwarded to this office no later than August 22, 1993, five (5) days after disposal.

Failure to comply with the above requirements will result in legal action, including penalties.

Any questions regarding this matter should be directed to Daniel Russell at (401)277-2234.

Sincerely,

Bruce Catterall
So ✓ Bruce Catterall, P.E.
Supervising Sanitary Engineer

BC:dr

LS 2224

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OIL POLLUTION AND UNDERGROUND STORAGE TANK PROGRAM
291 Promenade Street
Providence, Rhode Island 02908
(401) 277-2234

FACILITY ID 16 499

CLOSURE CERTIFICATE
FOR UNDERGROUND STORAGE FACILITIES

In compliance with Chapter 46-12 of the Rhode Island General Laws, as amended, and the Regulations for Underground Storage Facilities Used for Petroleum Products and Hazardous Materials,

TRINITY CHURCH

owner/operator of an underground storage facility located at

QUEEN ANNE SQUARE, NEWPORT

is issued this Certificate of Closure indicating that the storage tanks described below have been taken out of service permanently, in compliance with the Regulations for Underground Storage Facilities Used for Petroleum Products and Hazardous Materials.

TANK ID	VOLUME	STORED MATERIAL	DATE LAST USED	STATUS OF TANK F=Filled R=Removed
<u>1</u>	<u>2000 GAL</u>	<u>#2 FUEL OIL</u>	<u>1993</u>	<u>R</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Signed this 21ST day of JULY, 1993

Approved: Daniel Brunell
Oil Pollution/Underground Storage Tank Program
Department of Environmental Management

NOTE: This is not a document to approve or certify that tanks are/were safe or clean to transport.
Revised Oct. 1992

Rhode Island Department of Environmental Management
Underground Storage Tank Program
UST CLOSURE INSPECTION REPORT CHECKLIST

UST Facility ID#: NR / LS

Site/Street: Trinity Church, Queen Anne Sq., Newport

Contractor: Bill Wass Tank Service / Modern Tractor

Consultant: N/A

Contact: Herb Lawton / Trinity Ch.

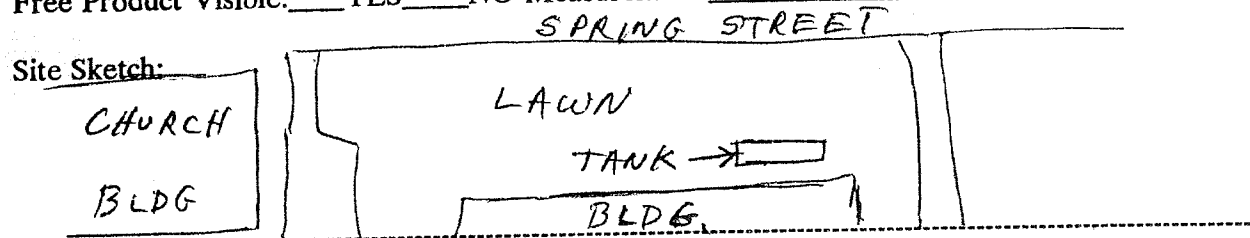
Condition of Tank/Piping: Moderate corrosion and pitting, possible seepage from tank bottom, but no holes visible.

Condition of Soils: Sand + gravel with a lot of concrete and bldg debris as fill around tank - no noticeable contamination except under tank bottom where ~~is~~ loose black

Other Observations: shale had some some petroleum odor. Approximately 1 yd. of mixed loose black shale and soil segregated; to be drummed and taken offsite.

Groundwater Present: YES NO Sheen Present: YES NO

Free Product Visible: YES NO Measurement: _____



RESULTS OF INSPECTION/ACTION REQUIRED

- | | | |
|--|-------|---|
| <input checked="" type="checkbox"/> Minor Staining, Soils Removed | _____ | Leak/Release Observed, Refer to LUST Program |
| _____ Soils Required Excavation, contained, disposed of in accordance with state regulations | _____ | Additional Tanks Found/Fees Owed: _____ |
| _____ Site Assessment Required w/ groundwater monitoring wells | _____ | Closure Assessment Required |
| _____ | _____ | Leak/release observed, notification to LUST Program |
- Other No further action required

Inspector: DANIEL RUSSELL

Signature: Daniel Russell Date: 7/16/93

QUESTIONNAIRE

Description of Site: Address:

Queen Anne Square
Newport, RI

Question	Owner	Occupants (if applicable)	Observed
			During Site Visit
1a. Is the <i>property</i> used for an industrial use?	Yes No Unk ¹	Yes No Unk	Yes <input checked="" type="radio"/> No Unk
1b. Is any <i>adjoining property</i> used for an industrial use?	Yes No Unk	Yes No Unk	Yes <input checked="" type="radio"/> No Unk
2a. Did you observe evidence or do you have any prior knowledge that the <i>property</i> has been used for an industrial use in the past?	Yes No Unk	Yes No Unk	Yes <input checked="" type="radio"/> No Unk
2b. Did you observe evidence or do you have any prior knowledge that any <i>adjoining property</i> has been used for an industrial use in the past?	Yes No Unk	Yes No Unk	Yes <input checked="" type="radio"/> No Unk
3a. Is the <i>property</i> used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?	Yes No Unk	Yes No Unk	Yes <input checked="" type="radio"/> No Unk
3b. Is any <i>adjoining property</i> used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage disposal, processing, or recycling facility (if applicable, identify which)?	Yes No Unk	Yes No Unk	Yes <input checked="" type="radio"/> No Unk
4a. Did you observe evidence or do you have any prior knowledge that the <i>property</i> has been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?	Yes No Unk	Yes No Unk	<input checked="" type="radio"/> Yes No Unk
4b. Did you observe evidence or do you have any prior knowledge that any <i>adjoining property</i> has been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?	Yes No Unk	Yes No Unk	Yes <input checked="" type="radio"/> No Unk

¹ Unk = "unknown" or "no response"

Question	Owner	Occupants (if applicable)	Observed During Site Visit
5a. Are there currently any damaged or discarded automotive or industrial batteries, pesticides, paints, or other chemicals in individual containers of greater than >5 gal (19 L) in volume or 50 gal (190 L) in the aggregate, stored on or used at the <i>property</i> or at the facility?	Yes No Unk	Yes No Unk	Yes <u>No</u> Unk
5b. Did you observe evidence or do you have any prior knowledge that there have been previously any damaged or discarded automotive or industrial batteries, pesticides, paints, or other chemicals in individual containers of greater than >5 gal (19 L) in volume or 50 gal (190 L) in the aggregate, stored on or used at the <i>property</i> or at the facility?	Yes No Unk	Yes No Unk	Yes <u>No</u> Unk
6a. Are there currently any industrial <i>drums</i> (typically 55 gal (208 L)) or sacks of chemicals located on the <i>property</i> or at the facility?	Yes No Unk	Yes No Unk	Yes <u>No</u> Unk
6b. Did you observe evidence, or do you have any prior knowledge that there have been previously any industrial <i>drums</i> (typically 55 gal (208 L)) or sacks of chemicals located on the <i>property</i> or at the facility?	Yes No Unk	Yes No Unk	Yes <u>No</u> Unk
7a. Did you observe evidence or do you have any prior knowledge that <i>fill dirt</i> has been brought onto the <i>property</i> that originated from a contaminated Site?	Yes No Unk	Yes No Unk	Yes <u>No</u> Unk
7b. Did you observe evidence or do you have any prior knowledge that <i>fill dirt</i> has been brought onto the <i>property</i> that is of an unknown origin?	Yes No Unk	Yes No Unk	Yes <u>No</u> Unk
8a. Are there currently any <i>pits, ponds, or lagoons</i> located on the <i>property</i> in connection with waste treatment or waste disposal?	Yes No Unk	Yes No Unk	Yes <u>No</u> Unk
8b. Did you observe evidence or have any prior knowledge that there have been previously, any <i>pits, ponds, or lagoons</i> located on the <i>property</i> in connection with waste treatment or waste disposal?	Yes No Unk	Yes No Unk	Yes <u>No</u> Unk
9a. Is there currently any stained soil on the <i>property</i> ?	Yes No Unk	Yes No Unk	Yes No <u>Unk</u>
9b. Did you observe evidence or do you have any prior knowledge that there has been previously, any stained oil on the <i>property</i> ?	Yes No Unk	Yes No Unk	Yes <u>No</u> Unk

¹ Unk = "unknown" or "no response"

Question	Owner	Occupant (if applicable)	Observed During Site Visit
10a. Are there currently any registered or unregistered storage tanks (above or underground) located on the property.	Yes No Unk	Yes No Unk	Yes <input checked="" type="radio"/> No <input type="radio"/> Unk <input type="radio"/>
10b. Did you observe evidence or do you have any prior knowledge that there have been previously any registered or unregistered storage tanks (above or underground) located on the <i>property</i> ?	Yes No Unk	Yes No Unk	Yes No <input checked="" type="radio"/> Unk <input type="radio"/>
11a. Are there currently any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the <i>property</i> or adjacent to any structure located on the <i>property</i> ?	Yes No Unk	Yes No Unk	Yes <input checked="" type="radio"/> No <input type="radio"/> Unk <input type="radio"/>
11b. Did you observe evidence or do you have any prior knowledge that there have been previously, any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the <i>property</i> or adjacent to any structure located on the <i>property</i> ?	Yes No Unk	Yes No Unk	Yes <input checked="" type="radio"/> No <input type="radio"/> Unk <input type="radio"/>
12a. Is there currently evidence of leaks, spills or staining by substances other than water, or foul odors, associated with any flooring, drains, walls, ceilings, or exposed grounds on the property?	Yes No Unk	Yes No Unk	Yes <input checked="" type="radio"/> No <input type="radio"/> Unk <input type="radio"/>
12b. Did you observe evidence or do you have any prior knowledge that there have been previously any leaks, spills or staining by substances other than water, or foul odors, associated with any flooring, drains, walls, ceilings, or exposed grounds on the property?	Yes No Unk	Yes No Unk	Yes <input checked="" type="radio"/> No <input type="radio"/> Unk <input type="radio"/>
13a. If the property is served by a private well or non-public water system, is there evidence or do you have prior knowledge, that contaminants have been identified in the well or system that exceed guidelines applicable to the water system?	Yes No Unk	Yes No Unk	Yes <input checked="" type="radio"/> No <input type="radio"/> Unk <input type="radio"/>
13b. If the property is served by a private well or non-public water system, is there evidence or do you have prior knowledge that the well has been designated as a contaminated by any government environmental/ health agency?	Yes No Unk	Yes No Unk	Yes <input checked="" type="radio"/> No <input type="radio"/> Unk <input type="radio"/>
14. Does the <i>owner</i> or <i>occupant</i> of the <i>property</i> have any knowledge of <i>environmental liens</i> or governmental notification relating to past or recurrent violations of environmental laws with respect to the <i>property</i> or any facility located on the <i>property</i> ?	Yes No Unk	Yes No Unk	Yes <input checked="" type="radio"/> No <input type="radio"/> Unk <input type="radio"/>
15a. Has the <i>owner</i> or <i>occupant</i> of the <i>property</i> been informed of the past existence of <i>hazardous substances</i> or <i>petroleum products</i> with respect to the <i>property</i> or any facility located on the <i>property</i> ?	Yes No Unk	Yes No Unk	Yes No <input checked="" type="radio"/> Unk <input type="radio"/>

¹ Unk = "unknown" or "no response"

Question	Owner	Occupant (if applicable)	Observed During Site Visit
15b. Has the <i>owner</i> or <i>occupant</i> of the <i>property</i> been informed of the current existence of <i>hazardous substances</i> or <i>petroleum products</i> with respect to the <i>property</i> or any facility located on the <i>property</i> ?	Yes No Unk	Yes No Unk	Yes <input checked="" type="radio"/> No Unk
15c. Has the <i>owner</i> or <i>occupant</i> of the <i>property</i> been informed of the past existence of environmental violations with respect to the <i>property</i> or any facility located on the <i>property</i> ?	Yes No Unk	Yes No Unk	Yes <input checked="" type="radio"/> No Unk
15d. Has the <i>owner</i> or <i>occupant</i> of the <i>property</i> been informed of the current existence of environmental violations with respect to the <i>property</i> or any facility located on the <i>property</i> ?	Yes No Unk	Yes No Unk	Yes <input checked="" type="radio"/> No Unk
16. Does the <i>owner</i> or <i>occupant</i> of the <i>property</i> have any knowledge of any <i>environmental site assessment</i> of the <i>property</i> or facility that indicated the presence of <i>hazardous substances</i> or <i>petroleum products</i> on, or contamination of, the <i>property</i> or recommended further assessment of the <i>property</i> ?	Yes No Unk	Yes No Unk	Yes <input checked="" type="radio"/> No Unk
17. Does the <i>owner</i> or <i>occupant</i> of the <i>property</i> know of any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any <i>hazardous substance</i> or <i>petroleum products</i> involving the <i>property</i> by any owner or occupant of the <i>property</i> ?	Yes No Unk	Yes No Unk	Yes <input checked="" type="radio"/> No Unk
18a. Does the <i>property</i> discharge waste water (not including sanitary waste or storm water) onto or adjacent to the <i>property</i> and /or into a storm water system?	Yes No Unk	Yes No Unk	Yes <input checked="" type="radio"/> No Unk
18b. Does the <i>property</i> discharge waste water (not including sanitary waste or storm water) onto or adjacent to the <i>property</i> and/or into a sanitary sewer system?	Yes No Unk	Yes No Unk	Yes <input checked="" type="radio"/> No Unk
19. Did you observe evidence or have any prior knowledge that any <i>hazardous substances</i> or <i>petroleum products</i> , unidentified waste materials, tires, automotive or industrial batteries, or any other waste materials have been dumped above grade, buried and/or burned on the <i>property</i> ?	Yes No Unk	Yes No Unk	Yes <input checked="" type="radio"/> No Unk
20. Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of PCBs?	Yes No Unk	Yes No Unk	Yes <input checked="" type="radio"/> No Unk

¹ Unk = "unknown" or "no response"

Government Records/ Historical Sources Inquiry

(See guide, Section 10)

<p>21. Do any of the following Federal government record systems list the property or any property within the search distance noted below:</p> <p>Federal <i>National Priorities List (NPL)</i> site list Federal <i>CERCLIS</i> list Federal <i>CERCLIS NFRAP</i> site list Federal <i>RCRA CORRACTS</i> facilities list Federal <i>RCRA non-CORRACTS TSD</i> facilities list Federal <i>RCRA</i> generators list Federal <i>ERNS</i> list</p>	<p align="center">Approximate Minimum Search Distance, miles (kilometers)</p> <p align="center">1.0 (1.6) 0.5 (0.8) property and adjoining properties 1.0 (1.6) 0.5 (0.8) property and adjoining properties property only</p>	<p>Yes <input checked="" type="radio"/> Yes Yes Yes Yes Yes Yes</p>	<p><input type="radio"/> No <input type="radio"/> No <input type="radio"/> No <input type="radio"/> No <input type="radio"/> No <input type="radio"/> No <input type="radio"/> No</p>
<p>22. Do any of the following state record systems list the property or any property within the search distance noted below:</p> <p>State lists of hazardous waste sites identified for Investigation and remediation:</p> <p>State - Equivalent <i>NPL</i> State - Equivalent <i>CERCLIS</i> State landfill and/or solid waste disposal site lists State leaking UST lists State registered UST lists</p>	<p align="center">Approximate Minimum Search Distance, miles (kilometers)</p> <p align="center">1.0 (1.6) 0.5 (0.8) 0.5 (0.8) 0.5 (0.8) property and adjoining properties</p>	<p>Yes <input checked="" type="radio"/> Yes <input checked="" type="radio"/> Yes Yes Yes</p>	<p><input type="radio"/> No <input type="radio"/> No <input type="radio"/> No <input type="radio"/> No <input type="radio"/> No</p>
<p>23. Based upon a review of <i>fire insurance maps</i> 10.3.1.3 or consultation with the local fire department serving the <i>property</i>, all as specified in the guide, are there any buildings or other improvements on the <i>property</i> or on an <i>adjoining property</i> identified as having been used for an industrial use or uses likely to lead to contamination of the <i>property</i>?</p>		<p><input checked="" type="radio"/> Yes</p>	<p>No</p>

The preparer of the transaction screen questionnaire must complete and sign the following. (For definition of "preparer" and "user", see 5.3 or 3.3.28.)

The Owner questionnaire was completed by:

Name _____

Title _____

Firm _____

Address _____

Phone number _____

Date _____

Preparer's relationship to site _____

Preparer's relationship to user (for example, principal, employee, agent, consultant) _____

The *Occupant* questionnaire was completed by:

Name _____

Title _____

Firm _____

Address _____

Phone number _____

Preparer's relationship to site _____

Preparer's relationship to user (for example, principal, employee, agent, consultant) _____

The *Site Visit* questionnaire was completed by:

Name JEFFREY D'ARRIGO

Title Environmental Scientist

Firm SAGE Environmental, Inc.

Address 172 Armistice Blvd

Pawtucket, RI

Phone number 401 723-9900

Date 1/18/12

Preparer's relationship to site Consultant

Preparer's relationship to user (for example, principal, employee, agent, consultant) _____

The *Government Records and Historical Inquiry* questionnaire was completed by:

Name "Same"

Title _____

Firm _____

Address _____

Phone number _____

Date _____

Preparer's relationship to site _____

Preparer's relationship to user (for example, principal, employee, agent, consultant) _____

User's relationship to the site (for example, owner, prospective purchaser, lender, etc.) _____

If the preparer(s) is different from the user, complete the following:

Name of User _____

User's Address _____

User's Phone number _____

Copies of the completed questionnaire have been filed at:

Copies of the completed questionnaire have been mailed or delivered to:

Preparer represents that to the best of the preparer's knowledge the above statements and facts are true and correct and to the best of the preparer's actual knowledge no material facts have been suppressed or misstated.

Signature  Date 1/18/12

Signature _____ Date _____

Signature _____ Date _____

ATTACHMENT 4

**Queen Anne Square
Newport, Rhode Island
Public Comments/Questions**

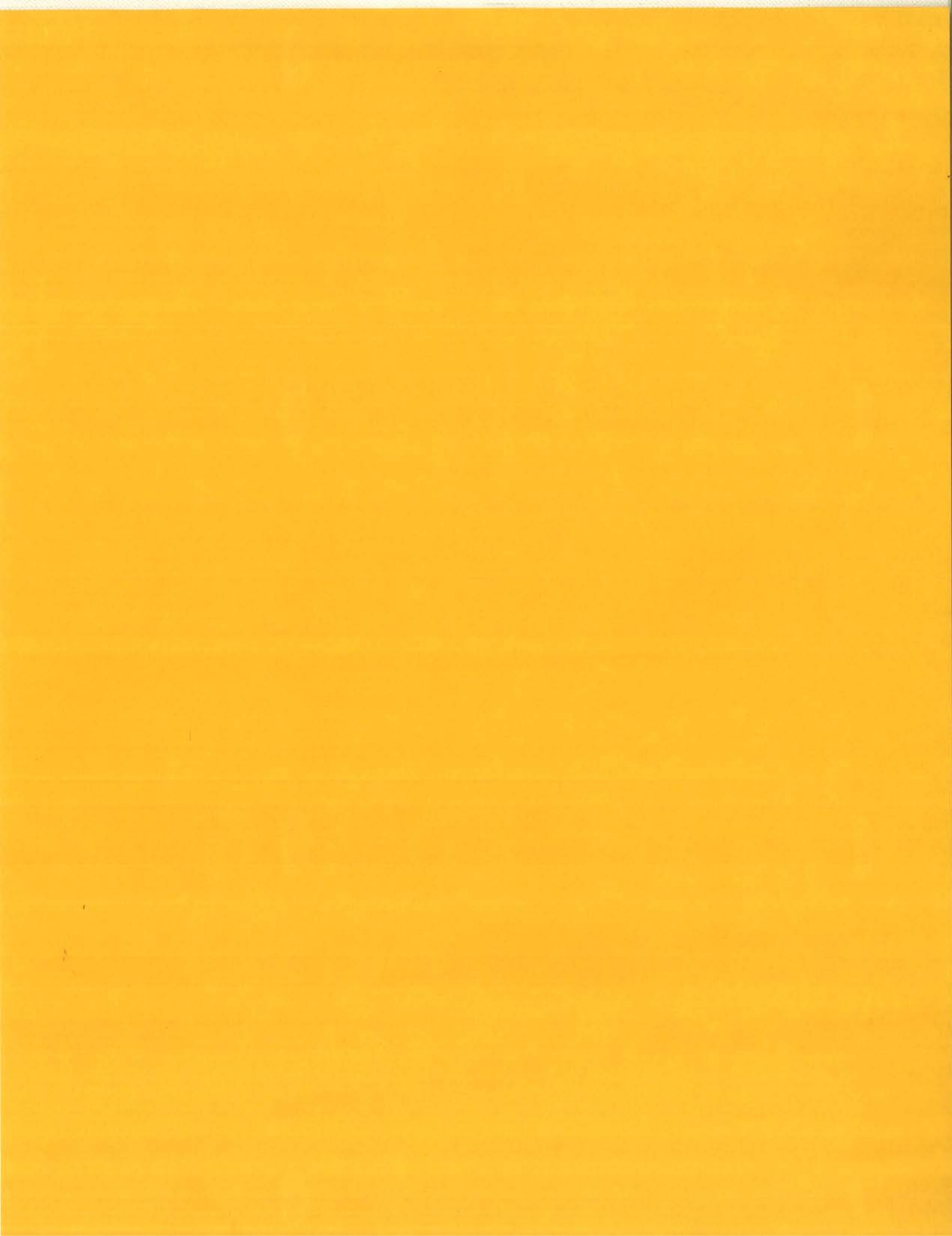
Comment Location	Description	SAGE Responses
1-1	Is it true that SAGE did not test for PCBs and Dioxins ^⓪ ? Why is this?	Regarding PCBs, please refer to pp. 4-6 Dioxins ^⓪
1-2	Regarding SAGE, what assurances will DEM provide the citizens of Newport that SAGE's test results will be reliable? <ul style="list-style-type: none"> Why was SAGE even chosen? Was it competitively bid? Procedurally, could DEM require an independent source be used to corroborate SAGE? 	See p. 7 The Site Investigation process stipulated in RIDEM's Remediation Regulations (Remediation Regulations) is being followed by SAGE. According to Mr. Pieter Roos, "an environmental consultant was needed and SAGE came highly recommended. In addition, SAGE is included in the list of environmental consultants identified on RIDEM's website." (http://www/dem.ri.gov/brownfields/partners/consultantst.html) Unlike the City of Newport, the DDMF is not a public entity, and therefore they are not required to conform to a specific bid process. ^⓪ Yes, an abutter (see pp. 2-3) See pp. 2-3
1-3	What is Trinity's official status? Just an abutter?	
1-4	If Trinity is "just an abutter", was there any soil testing done on Trinity's property? If not, why not?	Refer to p. 5 ^⓪
1-5	Presumably there was no benzene or toluene found in the SAGE testing. Yet municipal records prove that there was a dry cleaner within the span of QAS on Frank Street. <ul style="list-style-type: none"> Was this surprising, and if so, does it warrant more investigation? 	^⓪
1-6	Does the "rumor" of more contaminated land abutting the tested areas indicate a present problem or a potential one?	^⓪ Investigation was limited to Lot 346
1-7	How far beyond the periphery of the actual "footprint" of the proposed project is required? i.e. 0 Feet; 10 feet; or???	^⓪
1-8	<ul style="list-style-type: none"> Does DEM believe that the scope of the soil testing be extended beyond the current perimeters? 	Refer to Attachment 3 for a summary of All Appropriate Inquiries analysis performed
1-9	It is our understanding that NRF told SAGE about the purported location of that laundry. Seems like a thorough examination of municipal records would have been more professional on SAGE's part, wouldn't you agree? Some believe that the number of bore holes tested were insufficient to analyze the true dimensions and toxicity of the entire property.	^⓪ SAGE is following the Site Investigation process stipulated in the Remediation Regulations ^⓪ RIDEM
1-10	<ul style="list-style-type: none"> Who will determine what is procedurally correct? 	See p. 3 and p. 5 of Attachment 3
1-11	In addition to the dry cleaning facility, there was also an ARCO station on the corner of Mill and Spring. Landscaping volunteers from Trinity repeatedly cite finding oil and waste contaminants in the soil after all these years. <ul style="list-style-type: none"> Did SAGE investigate the existence of that ARCO Station? How will DEM approach this? Does DEM even have jurisdiction there? 	See p. 5 of Attachment 3 ^⓪ ^⓪ ^⓪
1-12	It is our understanding that the DEM will use a new internal procedure when analyzing QAS. Can you comment on this? For the citizens of Newport, "open spaces" especially historic ones, is of vital concern. Yet the NRF's proposal to change QAS will result in actual reduction in "open space". Would this be philosophically inconsistent with DEM's overall mission?	^⓪
1-13	Does DEM believe that the scope of the soil testing should be extended beyond the current park perimeters?	^⓪ Although this Site Investigation remains incomplete, based on current data, off-Site investigation does not appear warranted at this time (see pp. 3-4)
1-14	Given that testing is expensive, how will DEM mandate that the city convey to Newport citizens the current efforts have been inadequate and more testing is needed?	^⓪ The Site Investigation process stipulated in the Remediation Regulations is being conducted at the Site
1-15	Understanding that this is only speculation on DEM's part, what has the effect been on abutters' property values, in your experience, when home owners realize they're adjacent to a toxic waste site?	^⓪
1-16	Do you have any examples of when a toxic waste site is exposed by DEM's investigations and injured parties (e.g. abutters) sue for damages (e.g. the city)?	^⓪
1-17	If the QAS project were halted immediately, how would DEM classify the site?	^⓪ Based on SAGE's understanding of the Remediation Regulations, there would still be a requirement to complete the Site Investigation process and implement an appropriate remedy
1-18	Capping toxic sites and/or solid concrete capping have approximately a 50 year life span: <ul style="list-style-type: none"> Is there a long range site plan for management and funding for QAS toxic materials? Who is writing the long term site remediation plan? Who is responsible long term? The city's taxpayers, NRF? Is there any money in the "endowment" for future testing? 	^⓪ The Site will be required to implement a remedy consistent with the requirements of Section 9 of the Remediation Regulations. The Site will be subject to an Environmental Land Use Restriction requiring annual inspections of any engineered barrier designed to limit exposure to Site soil be conducted to ensure the integrity of the remedy is maintained. With respect to management, see above
1-19	Does the DEM have any examples where public toxic sites in the state have returned to private ownership? What were there maintenance plans short and long term? And who would pay the maintenance? The taxpayers?	^⓪ The environmental consultant will prepare a Remedial Action Work Plan for review, comment and approval by RIDEM The DDMF endowment would be responsible (at the City's discretion) for future remediation. Queen Anne Square has been and will remain City property. If the City deems it necessary, they can require future testing through the endowment.
1-20	Can the city legally "give" a known toxic site to a non profit? A homeowner cannot sell a house if it tests positive for Radon -it's against the law, so -how can the city endanger the public by a site that has far more dangerous chemicals than that.	^⓪ Queen Anne Square is and will remain municipally owned.
1-21	What is the final authority on the legality of giving away toxic land? Did anyone call the EPA? There has to be a law against that. Or if they are going to do it, then some entity has to ensure that the private party (NRF) will protect the public who are going to be using the site. Moreover, who even trusts the NRF?	^⓪ Lot 346 is property of the City of Newport and will remain so. ^⓪ No City property is being "given away". (See above)

^⓪ Response by SAGE deemed inappropriate.

**Queen Anne Square
Newport, Rhode Island
Public Comments/Questions**

Comment Location	Description	SAGE Responses
1-22	Head gardener at Trinity Church said she found oil in the soil in the southeast corner of the church yard. Gas station had formerly been there. Newport directories list Old State House Service Station located there from 1941 to 1973, so reasonable that petroleum contaminants in Queen Anne Square.	① Although this Site Investigation remains incomplete, based on current data, off-Site investigation does not appear warranted at this time (see pp. 3-4)
1-23 & 1-24	ARCO station was torn down in the late 70's but was certain that gas tanks were never removed.	①
1-25	Redesign involves parts of the property belonging to Trinity Church, but testing conducted limited only to property owned by City of Newport. At the very least we would expect the DEM to require environmental monitoring for contaminants/petroleum hydrocarbons during any construction phase on Trinity property as well as City property to identify any release potential and exposure to the Public.	See pp. 2, 3 & 4
1-26	Urge DEM officials to proceed in their professional manner without letting the negative atmosphere affect the necessary work to be accomplished. And at the same time, I don't want the opponents' pressure to change the plans already approved and put into place.	①
1-27	Egans - Corner of Thames & Mill Street stood 8' x 6' x 1' neon sign with a transformer which was vandalized and abandoned around 1972-73. Would also have had much in the way of machinery as dry cleaning requires electrically powered racks, driers, fans, heat etc. All of this machinery would have been nonchalantly bulldozed in the Site when demolition occurred.	Refer to PCB discussion pp. 4-6 with respect to demolition practices. Testimony by McNulty suggests the laundry building were not. Building components often times have a used or scrap value, and as a result, often times are removed from a property. Although SAGE is unaware of what occurred or was required in this particular circumstance, demolition permits are typically required prior to building demolition and often stipulate specific requirements.
	Walsh Brothers - can not verify, but in all certainty it contained fluorescent fixtures...also in all certainty a freight elevator. Due to the fire all of this would be unceremoniously bulldozed and incorporated into the Site by the lowest bidder. Due to the fire very incomplete scrapping of materials would have occurred. Also the acres of lead paint on the century old structure would have become incorporated into the soil at the site.	Refer to PCB discussion pp. 4-6. Contaminants identified in soil at the Site, in particular lead and PAHs, are consistent with the comment. As would be expected, fill was identified in several of the borings, and charred wood was identified in boring B-9 and MW-5 (B-34). Refer to Figure 2
1-28	Feel the statement by Roos "it is generally agreed that PCBs are not a relevant factor in the space" is either naive or negligent. The PCB issue should be more carefully explored.	Refer to PCB discussion pp. 4-6
	Test borings not made in locations that were shown on the engineers drawing, no test borings at all were done in the areas designated for fake foundations.	Relevant testing was conducted in areas of construction (Refer to Figure 2)
	Proposed alterations to Queen Anne Square also call for digging on the property currently owned by Trinity Church. No testing whatsoever has been done on the Trinity Church property.	At this time, SAGE is unable to respond to this comment. We are hopeful that ultimately an answer can be provided to interested parties.
	There is to be a new structure built in the Trinity parking lot area that will house the electric service, pump house and filter house for the Installation on the city's property. Obviously trenches will be dug from this structure to each of the fake foundations and to each lighting fixture in the rest of the Square. These trenches will run through contaminated soil. No testing has been done in the area of the proposed Columbarium, or the electric, pump and filter house or in the areas of the service trenches.	Refer to p. 2. No structures are being built outside the bounds of Lot 346. Any Site or off-Site soil disturbance will have to be performed consistent with the requirements of the Construction Soil Management Plan reviewed and approved by RIDEM.
2-1	Boring studies were not taken from several critical areas from above the proposed study area, the eastern most portion of the property and the...defined project site with its neighboring sites which are all within the confines which is commonly known as Queen Anne Square, the entire block area that goes up to Spring Street with all those properties part of it.	① The investigation process is incomplete at this time; however, significant subsurface investigation of the Site has been conducted (see Figure 2)
2-2	Digging performed by NRF to move rose bushes after SAGE sampling, and Petroleum Hydrocarbons were encountered. No digging should have taken place until extent of contamination was defined.	①
2-3	RIDEM should have been notified if Petroleum Hydrocarbons were encountered regardless of whose property they were discovered on. The whole eastern area should have been included in the original study.	SAGE is following the Site Investigation process stipulated in the Remediation Regulations. Although the Site Investigation remains incomplete, based on current data, off-Site investigation does not appear warranted at this time (see pp. 3-4)
2-4	Is it a DEM regulation that all construction workers, landscape gardeners, designers, artists, administrators and their staff and other related parties who may be on site be 40 hour trained? If so, how is such implemented	①
2-5	Do not believe enough testing has been done to make a definitive declaration regarding entire site or the adjacent land area above the current study area.	①
2-6	Egan Laundry - There were large tanks in the basement, one large for heating fuel and several other tanks for cleaning products, also several 55-gallon drums. All fluid except for heating oil tank was discharged into sanitary or storm sewer.	See p. 5
2-7	Gas station on top of Mill and Spring Street and auto dealership on Mill Street	See p. 3 and p. 5 of Attachment 3
2-8	When are we going to hear about what was tested, how much was tested, what it looked like, what the remediation is, what's the proper remediation for those things?	Upon completion of the Site Investigation, a Site Investigation Report (SIR) will be submitted to RIDEM for review and comment. The SIR will contain a Remedial Alternatives Analysis proposing implementation of a preferred remedial alternative.
2-9	Can we have the plans on display at the Newport Public Library?	Yes, it is SAGE's understanding that they have been.
2-10	What other sources of information have been sought from knowledgeable persons?	Refer to attachments
2-11	Have any interviews been attempted or completed with past owners that would know where key components of the dry cleaning equipment were located, how wastes were managed and what types of solvents were used?	No; however, SAGE would be very interested in interviewing persons with direct knowledge of the former Egan Laundry and Dry Cleaning facility should they come forward.

① Response by SAGE deemed inappropriate.





RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
235 Promenade Street, Providence, RI 02908-5767 TDD 401-222-4462

April 18, 2012

Ms. Jane Howington
City Manager
Office of the City Manager
City Hall - 2nd Floor
43 Broadway
Newport, RI 02840

Pieter N. Roos
Executive Director
Newport Restoration Foundation
51 Touro Street
Newport, RI 02840

RE: April 2, 2012 Public Meeting and Subsequent Public Comments Regarding the Environmental History and Potential Environmental Conditions at Queen Anne Square Intersection of Mill, Thames, Spring and Church Streets, Newport, Rhode Island
Case No. 2012-010

Dear Ms. Howington and Mr. Roos:

On November 9, 2011, the Rhode Island Department of Environmental Management (the Department) amended the Rules and Regulations for the Investigation and Remediation of Hazardous Material Releases, (the Remediation Regulations). The purpose of these regulations is to create an integrated program requiring reporting, investigation and remediation of contaminated sites in order to eliminate and/or control threats to human health and the environment in an efficient manner.

In the matter of the above referenced Site, the City of Newport, in accordance with the Public Involvement requirements under Rhode Island General Laws (R.I.G.L.), Title 23, *Health and Safety*, Chapter 23-19.14, *Industrial Property Remediation and Reuse Act*, Section 23-19.14-5, *Environmental Equity and Public Participation*, as well as Section 7.00, Rule 7.07.A.iii of the Remediation Regulations, scheduled and held a Public Meeting on April 2, 2012. The purpose of the meeting was to obtain information about conditions at the Site and the environmental history at the Site that may be useful in establishing the scope of the investigation of the Site and/or establishing the objectives for the environmental clean-up of the Site. The record of the meeting remained open for a period of ten (10) business days for the receipt of public comments, and concluded at 4:00pm on April 16, 2012.

During the public comment period, the Department's Office of Waste Management (OWM) received several documents including public comments about environmental conditions at the Site and the environmental history at the Site, submitted in accordance with Rule 7.07 of the Remediation Regulations. Copies of these written comments, with names and addresses removed, are attached to this letter.

Please review these submitted comments and prepare written responses to each of them as appropriate. It is the Department's understanding that Sage Environmental, Inc. (Sage), on behalf of the City of Newport and the Doris Duke Monument Foundation (DDMF), will be preparing a comprehensive response to the comments received at the Public Meeting, as well as any other written comments received by the Department, the City of Newport, the Newport Restoration Foundation (NRF) and/or the DDMF, during the public comment period, and submitting them to the Department for review and approval. The Department acknowledges that several of the comments may be directed specifically to the Department, and those will be addressed in a separate letter by the Department, upon Department approval of all final responses to all other relevant public comments.

The results of All Appropriate Inquiries, analysis and the public meeting, including the comment period, shall be documented in a written report submitted to the Department in both hard copy and electronic format (as specified by the Remediation Regulations). Copies of the stenographer's transcript of the Public Meeting, along with copies of any written comments received, should be submitted as attachments to the report.

If you have any questions regarding this letter or would like the opportunity to meet again with Department personnel, please contact me by telephone at (401) 222-2797, extension 7109 or by e-mail at joseph.martella@dem.ri.gov.

Sincerely,



Joseph T. Martella II
Senior Engineer
Rhode Island DEM
Office of Waste Management

Cc: Terrence D. Gray, P.E., Assistant Director, RIDEM/AW&C
Leo Hellested, P.E., Chief, RIDEM/OWM
Kelly J. Owens, RIDEM/OWM
Nicole Poepping, RIDEM/Legislative Liaison
Scott D. Wheeler, Newport Department of Public Services
Joseph J. Nicholson, Jr., Esquire, Newport City Solicitor
Jeff Moniz, Farrar Associates
Representative Peter F. Martin, District 75
Senator M. Teresa Paiva Weed, District 13
Bruce Clark, Sage

**Queen Anne Square
Environmental Questions
DEM Meeting**

Comment

- 1-1 1. Is it true that Sage did not test for PCB's and Dioxins? Why is this?
- 1-2 2. Regarding Sage, what assurances will DEM provide the citizens of Newport that Sage's test results will be reliable?
- Why was Sage even chosen?
 - Was it competitively bid?

- Procedurally, could DEM require an independent source be used to corroborate Sage?

3. What is Trinity's official status? Just an abutter?

1-3

1-4

1-5

4. If Trinity is "just an abutter", was there any soil testing done on Trinity's property? If not, why not?

5. Presumably there was no benzene or toluene found in the Sage testing. Yet municipal records prove that there was a dry cleaner within the span of QAS on Frank Street.

- Was this surprising, and if so, does this warrant more investigation?
- 1-6
6. Does the “rumor” of more contaminated land abutting the tested areas indicate a present problem or a potential one?
- 1-7
7. How far beyond the periphery of the actual “footprint” of the proposed project is required? i.e. 0 feet; 10 feet; or ??? feet?
- Does DEM believe that the scope of the soil testing be extended beyond the current perimeters?

- 1-8 8. It is our understanding that NRF told Sage about the purported location of that laundry. Seems like a thorough examination of municipal records would have been more professional on Sage's part, wouldn't you agree?
- 1-9 9. Some believe that the number of bore holes tested were insufficient to analyze the true dimensions and toxicity of the entire property. Who will determine what is procedurally correct?
- 1-10 10. In addition to the dry cleaning facility, there was also an ARCO station on the corner of Mill and Spring. Landscaping volunteers from Trinity repeatedly cite finding oil and waste contaminants still in the soil after all these years.

- Did Sage investigate the existence of that ARCO station?
- How will DEM approach this?
- Does DEM even have jurisdiction there?

I-11 11. It is our understanding that the DEM will use a new internal procedure when analyzing QAS. Can you comment on this?

I-12 12. For the citizens of Newport, "open spaces", especially historic ones, is of vital concern. Yet the NRF's proposal to change QAS will result in an actual reduction in "open space". Would this be philosophically inconsistent with DEM's overall mission?

- 1-13 13. Does DEM believe that the scope of the soil testing should be extended beyond the current park perimeters?
- 1-14 14. Given that testing is expensive, how will DEM mandate that the city convey to Newport citizens that current efforts have been inadequate and more testing is needed?
- 1-15 15. Understanding that this is only speculation on DEM's part, what has been the effect on abutters' property values, in your experience, when home owners realize they're adjacent to a toxic waste site?

- 1-16 16. Do you have any examples of when a toxic waste site is exposed by DEM's investigations and injured parties (e.g. abutters) sue for damages (e.g. the city)?
- 1-17 17. If the QAS project were halted immediately, how would DEM classify the site?
- 1-18 18. Capping toxic sites and/or solid concrete capping have approximately a 50 year life span:
- Is there a long range site plan for management and funding for QAS toxic materials?
 - Who is writing the long term site remediation plan ?
 - Who is responsible long term? The city's taxpayers, NRF?

- Is there any money in the “endowment” for future testing
- 1-19
19. Does the DEM have any examples where **public** toxic sites in the state have returned to private ownership?
- What were their maintenance plans, short and long term and
 - Who paid the maintenance? Taxpayers?
- 1-20
20. Can the city legally “give” a known toxic site to a non profit? A homeowner cannot sell a house if it tests positive for Radon - it's against the law, so - how can the city endanger the public by a site that has far more dangerous chemicals than that.
- 1-21
21. What is the final authority on the legality of giving away toxic land? Did anyone call the EPA? There has to be a law against that. Or if they are going to do it, then some entity has

to ensure that the private party (NRF) will protect the public who are going to be using the site. Moreover, who even trusts the NRF?

1-22

Joseph Martella

From:

Sent: Monday, April 02, 2012 12:43 PM

To: .Joseph Martella

Cc:

Subject: Contamination in Queen Anne Square

My name is _____ I live in Newport. I have been a gardener at Trinity Church, Newport for 10 years. During that time, the iconic head gardener, Mary Alice Barker, told me that she had found soil in the oil on numerous occasions in the southeast area of the church yard (Spring and Mill Streets). She said a gas station had formerly been there.

In the Newport City Directory, The Old State House Service Station is listed there (Spring and Mill) for over 30 years. It is listed from at least 1941 to 1973.

Given the slope of the land there, it is reasonable for petroleum contaminants to be there.

1-23

Joseph Martella

From:

Sent: Thursday, April 05, 2012 1:16 PM

To: Joseph Martella; Kelly Owens

Subject: ARCO station

Joe,

After the meeting Monday, a city counselor, Charlie Duncan, called me and said that the ARCO station at the corner of Mill St. and Spring, was torn down in the late 70's but he was certain that those gas tanks were never removed. He's been here for 40 years and is very knowledgeable about the town since he has a small printing shop not far from QAS.

If they were diligent Sage could have found this out through municipal records.

4/18/2012

1-24

Joseph Martella

From:

Sent: Thursday, April 12, 2012 2:51 PM

To: Kelly Owens; Joseph Martella

Subject: QAS

I just met with member of the Newport CC, Charlie Duncan, who vividly remember when the ARCO station on Spring and Mill was demolished and he's certain the gas tanks were never removed.

Public Comment

MEMO

TO: Joseph T. Martella II

FR: xxxxxxxxxxxxxxxxx

DA: April 5, 2012

RE: Public Comments Relative to the Environmental Investigation of proposed Project at Queen Anne Square, Newport, RI

It is our understanding that the redesign of Queen Anne Square and the plans set forward for construction involve parts of the property belonging to Trinity Church, yet the testing that has already been conducted has revealed DEM action level contaminants, was limited only to the property owned by the City of Newport.

Given the fact that the redesign plans call for the excavation/removal and replacement of all the Belgium Block constituting Frank Street as well as the named brick pathways on Trinity property, construction of a Columbarium on Trinity property, and the removal and replacement of a utility shed where a foundation will need to be installed, it would be logical one does additional test borings in these locations given the two properties are contiguous in nature and one of them has shown action level contaminants.

There will also be the need for excavation on the Trinity property to accommodate plantings that are moving to their site from the City designated site. In fact I believe your Department has already been notified of a situation where during a transplant of garden material, petroleum laden soils were discovered on Trinity's property, yet to our knowledge the DEM has not notified the Church.

At the very least, we would expect the DEM to require environmental monitoring for contaminants/petroleum hydrocarbons during any

construction phase on Trinity property as well as City property to identify any release potential and exposure to the Public.

As an abutting neighbor to both sites, we are very concerned from an Environmental Health and Safety point of view as well as assuring future residents that our property, in the event of a sale, is compromised by environmental issues lingering at these sites.

In accordance with the RI Department of Environmental Management's Rules and Regulations for the Investigation and Remediation of Hazardous Materials, as amended November, 2011, section 7.07(A)iii, the CITY OF NEWPORT is collecting information about the conditions and environmental history at the site known as Queen Anne Square, Plat 24, lot 346, which may be useful in establishing the scope of investigation and the objectives for the environmental clean up of the site as necessary.

Although comments will be accepted at the meeting of April 2, 2012, from 5:30 pm to 7:30 pm, the comment period will remain open through 4pm on April 16, 2012 at which time the comment period will close. Written comments can be mailed to the following address:

Joseph T. Martella, II, Senior Engineer
RIDEM Office of Waste Management
235 Promenade Street
Providence, RI 02908

2012 APR -5 P 2:06

RECEIVED
D.E.M./W.M.

Name:

Address:

Please provide written comments about the site and the environmental history of the site below:

Comments in regard to the meeting on April 3rd at Newport Library

I want the DEM to complete all tests necessary. However, most of the comments at the meeting were presented by Newport citizens opposed to the renovation of Queen Anne Square.

Please know there are many Newport citizens in favor of the renovation plans and look forward to the completion of the project. Unfortunately the most vocal have been opponents to the plan.

I urge DEM officials to proceed in their professional manner without letting the negative atmosphere affect the necessary work to be accomplished. And at the same time, I don't want the opponents' pressure to change the plans already approved and put into place

Thank you for kind attention to my comments.

If additional room is required please complete on back side or attach additional sheets. Thank you for the information that you have provided to us. We appreciate your input.

1-27

RECEIVED
D.E.M. / U.P.M.

2012 APR 10 P 1:49

To: Joseph Markella

Re: Queen Anne Square

Dear Sir:

First of all, I applaud the opportunity for people to provide you with historical information regarding the site. This is an excellent means of obtaining primary sources. The Sanborn maps are not and should not be conclusive. Anyone can make a map. I also don't like to see errors and misrepresentation.

I am very familiar with the area in question, having traversed it en route between home, school, and after-school jobs, shopping, wandering, since the 1950's.

At the corner of James and Mill St. stood an enormous, perhaps 8' x 6' x 1', neon sign, "EGANS"

(1)

This is important because neon requires the use of a power transformer. Power transformers contain(ed) p.c.b.s. The sign was a landmark, visible from the harbor. It acted as a beacon when Trinity Church was invisible. The transformers would have been also enormous. All this equipment was vandalized and abandoned 1972-3. Egans would also have had much in the way of machinery as dry cleaning requires electrically powered racks, driers, fans, heat, etc. All of this machinery would have been non-chalantly bulldozed into the site when demolition finally occurred. The area was a complete wasteland for years.

Other neighboring businesses were Ryans Sporting Goods (south corner of Mill St., not relevant), Hertz Bros., (a newsstand/tobacconist, ground floor Thames st. side mid-block, also probably not relevant,); and of course WALSH BROS. FURNITURE, which caught fire and made the area available for redevelopment.

Walsh Bros. was an enormous barn-like structure, ~~which~~ I can not verify, but in all certainty; ^{it} contained fluorescent fixtures, as any industrial, showroom, or educational or institutional space would. Also in all certainty a freight elevator. Due to the fire all of this would have been unceremoniously bulldozed and incorporated into the site by the lowest bidder. Do Elevators require transformers? ~~Yes~~ I can't say. Fluorescent lights contain

a device called a ballast, which contains PCBs. Due to the fine very incomplete scrapping of materials would have occurred. Also, the acres of lead paint on the century-old structure would have become incorporated into the soil at the site.

I am not a partisan in the case, but feel that the statement by Roos " ... it is generally agreed that PCBs are not a relevant factor in the space is either naive OR negligent. Because the history of the area is one of industrial use rather than the benign-seeming retail and residential pattern ^{the maps might show}

The PCB issue should be more carefully explored. I suspect that the subsoil will reveal more.

I-28

Mr. Joseph Martella
RI DEM
By Fax: 222-3812

April 18, 2012

Dear Mr. Martella,

I have written to you before about the issues with contamination at Queen Anne Square. I live and work at 32 and 28 Church St. I observed the entire process of environmental testing in the Square. The test borings were not made in the locations that were shown on the engineers drawing. No test borings at all were done in the areas designated for fake foundations. These are the areas in which digging will take place.

In addition, the proposed alterations to Queen Anne Square also call for digging on the property currently owned by Trinity Church. No testing whatsoever has been done on the Trinity Church Property.

The changes there include digging a foundation for a "Columbarium" (a high rise burial crypt with lock boxes for human ashes) that will surround the existing, historic church yard.

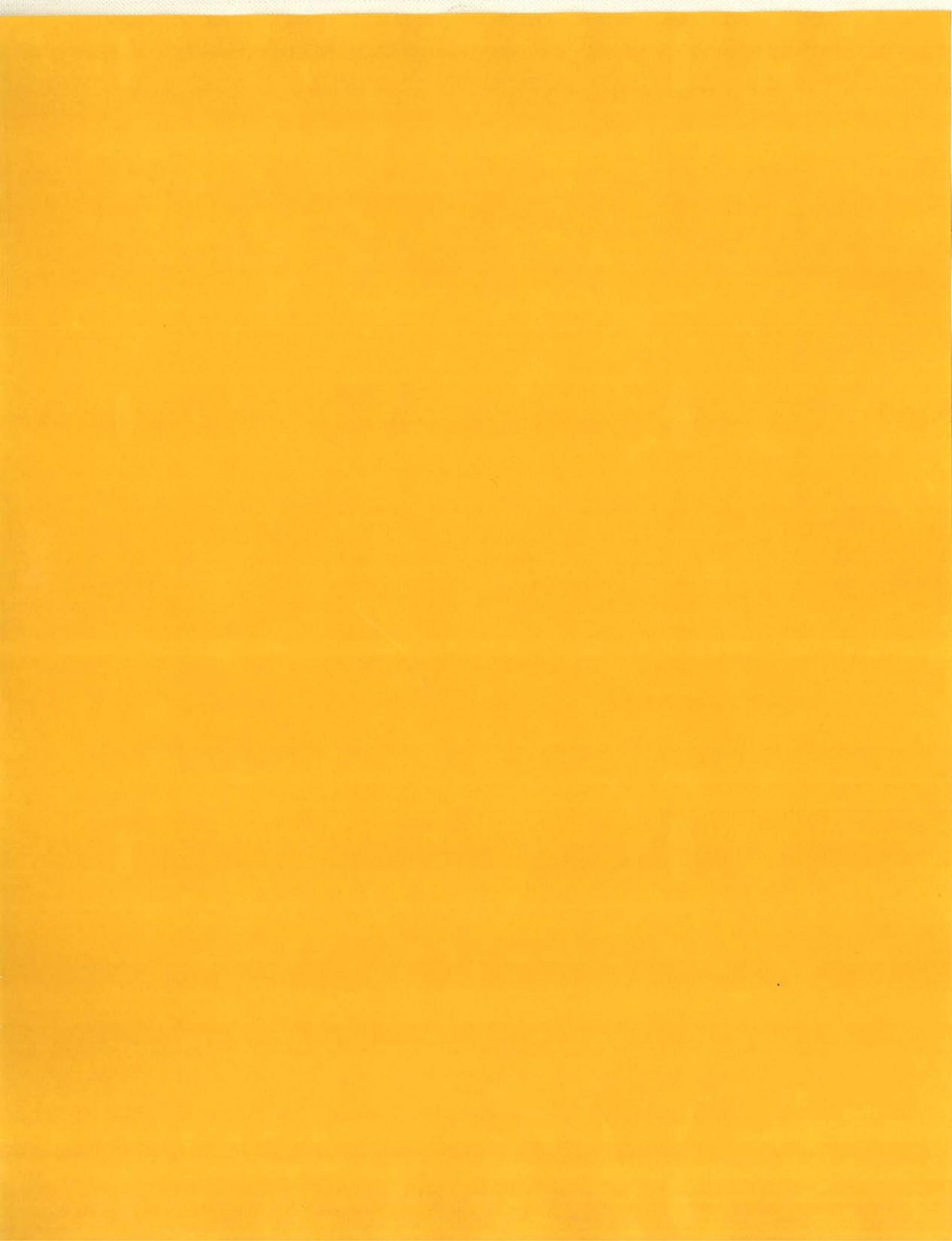
Since the historic burial ground is very old, and many of the tombstones have been damaged, displaced or are missing altogether, it seems likely that human remains will be dug up when this foundation is dug.

In addition, there is to be a new structure built in the Trinity parking lot area that will house the electric service, pump house and filter house for the installation on the city's property. Obviously trenches will be dug from this structure to each of the fake foundations and to each lighting fixture in the rest of the Square. These trenches will run through contaminated soil.

No testing has been done in the area of the proposed Columbarium, or the electric, pump and filter house or in the areas of the service trenches.

I am fervently hoping that DEM will look into these matters.

Sincerely Yours,



April 2, 2012

In Re: Queen Anne Square

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

IN RE: QUEEN ANNE SQUARE

PUBLIC HEARING - SOIL INVESTIGATION

Monday, April 2, 2012

5:30 p.m.

Newport Public Library

300 Spring Street

Newport, Rhode Island 02840

Heather A. Lussier, CSR

Capitol Court Reporting, Inc.

931 Jefferson Boulevard

Warwick, Rhode Island 02886

(401) 739-3600

1 (COMMENCED AT 5:35 P.M.)

2 MR. RICCIO: Hi, folks. Welcome. My name is
3 Bill Riccio, the Director of Public Services for the City of
4 Newport. I really don't need this, but I'm going to kind of
5 use it. I want to welcome everyone to this public meeting.

6 This meeting is being held in accordance with
7 DEM rules and regulations. And basically, it's an information
8 gathering technique being utilized to gather environmental
9 site information on what is known as Queen Anne Square. We
10 all know which is located between Church and Mill Street along
11 the frontage of Thames Street in our great city of Newport
12 also known as Plat 24, Lot 346. And this is a picture here of
13 the -- of the map -- excuse me of the parcel.

14 Now, tonight we're holding this forum. We do
15 have a stenographer present. So we're going to ask people
16 to -- basically, if they have verbal comments to come on up
17 here so we can clearly get everything down on the record. We
18 also have a secondary procedure. Written comments will -- can
19 be submitted directly to DEM. We've put together some comment
20 forms which I'm also going to be placing onto our web site
21 tomorrow on-line if you don't get the opportunity to grab one
22 of these. So it's, basically, a self-explanatory form
23 discussing the requirements of the meeting as dictated by the
24 DEM regulations. And then I've also put a copy of this map

1 here just so you can see the parcel and the proximity of the
2 project.

3 So those are the methods that we're going to
4 utilize to take comments tonight. Again, the purpose of the
5 meeting is very specific. It is to collect environmental data
6 onto the record for the purposes of this application in front
7 of DEM. So with such, we're going to keep things brief on my
8 part, and we're going to ask for you all to come forward now
9 as applicable. And I'd ask you to speak slowly and clearly
10 and designate yourself by name and address for the
11 stenographer's purpose of collecting data.

12 Would anyone like to begin tonight?

13 MR. CLAPP: Is Sage going to start?

14 MR. RICCIO: We're not -- like -- we are not
15 putting a presentation on this evening. We're just here to
16 collect -- this is just a map of the area to indicate what the
17 site boundaries are.

18 MS. HOWINGTON: Just as a -- I'm Jane
19 Howington. I'm the City Manager here. The reason this is a
20 very specific review and public input session on the
21 environment is specifically for us to gather information on
22 any outside input for the soils and any potential
23 contamination. So the reason we're not doing a presentation
24 is really just because we've -- they've done the soil testing

1 out there. We know what's in the soil. What they want to
2 know -- what DEM is interested in is are there any other
3 people that may have lived there or have their relatives live
4 there that had any other input for the types of uses of the
5 buildings that were on the site or around the site. So this
6 is really just that information gathering to find out if
7 somebody has information that we don't have.

8 MR. RICCIO: Thanks, Jane.

9 MR. CLAPP: Well, then --

10 MR. CUTLER: My name is Laurence Cutler. And
11 my wife, Judy with the very curly hair in the front row and I
12 are tax-paying residents of Newport. We reside in Vernon
13 Court on Bellevue Avenue. I'm a registered architect and also
14 a professional urban designer, author of the very famous
15 textbook entitled, Recycling Cities For People. At one time,
16 I personally directed a number of environmental impact
17 statements as a consultant for a professional services firm.
18 I had thirty-seven offices in my architectural practice, seven
19 offices overseas. I did environmental impact statements for
20 the General Services Administration including one for
21 Newburyport, Massachusetts which is a city very much like this
22 city and also the John F. Kennedy Presidential Library
23 environmental impact amongst a number of others. So I'm
24 familiar from a different point of view with impact

1 statements. I'm cofounder with Judy of The National Museum of
2 American Illustration and The Frederick Law Olmsted Park on
3 Bellevue Avenue and have served my city of Newport as Head
4 Commissioner of the Cliff Walk Commission.

5 I am an opponent to the Queen Anne Square
6 proposal redesign project for a variety of reasons, but my
7 sole reason of interest this evening is to deal with the
8 hazardous materials issues, in particular, the procedures
9 undertaken thus far in evaluating samples taken and those
10 procedures not taken. The procedures that were taken look to
11 me -- it's not my area of expertise, but look to me like
12 they've done a good job thus far. But there's procedures that
13 were not taken because other boring studies were not taken
14 from several critical areas from above the proposed study
15 area, the eastern most portion of the property and the -- and
16 the defined project site with its neighboring sites which are
17 all within the confines which is commonly known as Queen Anne
18 Square, the entire block area that goes up to Spring Street
19 with -- with all those properties part of it. I emphasize the
20 abutting sites because they must be considered as one parcel
21 including the eastern portion for their past uses there which
22 could have contaminates as well in which may be unleashed with
23 construction activities on both large areas of Queen Anne
24 Square.

2-1

1 Now, I didn't realize there were going to be so
2 many people, and I didn't have time to do a proper
3 presentation. So you'll forgive a 71-year-old's hand
4 scratches here. What I want to show you is -- the light isn't
5 the best, but in this -- I think you can see from there. In
6 this site plan, you see a number of properties in 2012 that
7 are on the entire site. And this is Spring Street, and this
8 is Mill Street here. And there's no testing in any of these
9 areas. All the testing is done down here. But if you look at
10 this site plan -- and I'll give the -- Mr. Riccio and
11 Mr. Nicholson after the meeting copies of these things.

12 MR. NICHOLSON: That will be helpful. Yes.

13 MR. CUTLER: This is the same site. This is
14 Mill Street here and Spring Street and Thames Street at the
15 bottom. The "P" is standing for pollution. These are all --
16 in the pink are areas that were emanating contaminates of one
17 kind or another over many, many years. And you see they all
18 flow from all around the site. Yet the project study area is
19 just this little bit at the bottom right. I just hashed it
20 when I was sitting down over there. That's the area that
21 Sage -- Sage Engineering undertook the studies for.

22 It's my understanding that after the first
23 round of Sage's samplings there was digging by either NRF or
24 someone else in respect of moving rose bushes and the like

1 above the study area. And that petroleum hydrocarbons were
2 encountered in the soil there. This should have and may have
3 been reported to DEM, but my points are (1) I believe that no
4 digging of any soil in this vicinity should have taken place
5 after the study area was designated until the extent of the
6 contamination was defined by Sage's engineers and technicians.
7 (2) if petroleum hydrocarbons were encountered, then DEM
8 should have been notified regardless of whose property this
9 were discovered upon. For it is my understanding that Trinity
10 Church along with NRF support are together undertaking the
11 removal of brick sidewalks and the roadways to construct a
12 column barrier and make other landscaping improvements. And
13 that whole eastern area should have absolutely been included
14 in the original study area, not just the immediate area around
15 the proposed fake building foundation per se. And if this
16 column bearing project is, indeed, a fact -- I don't know that
17 it is. But if it is, then DEM and Sage should look carefully
18 at gathering additional information and opine upon its status
19 for it may also affect the site downhill from it.

20 I'm not an engineer, but I believe that this is
21 critical to our mutual areas of interest in Queen Anne Square.
22 As citizens, we all have the right to know such information,
23 and final determinations and meetings like this I think are
24 great from that point of view. Is it a DEM regulation -- this

1 is a question to DEM -- that all construction workers,
2 landscape gardeners, designers, artists, administrators and
3 their staff and other related parties who may be on site
4 during the construction period are required to take the
5 40-hour OSHA health and safety training program? And if so,
6 how is such implemented? I believe that that's a requirement.
7 As I understand it, there are enough trace amounts of chemical
8 cleaning solvents to warrant for the testing.

9 Now, I was pleased to learn that more testing
10 is, indeed, outlined in Sage's next scope of work requested by
11 DEM as shown on their web site. However, we citizens do not
12 belief enough testing has been done to make a definitive
13 declaration regarding the entire site right now or the
14 adjacent land area above the current study area. The findings
15 thus far indicate that there are five different contaminates
16 which definitely warrant more large scale testing and analysis
17 to discover whether these contaminates are, indeed, on-site
18 including polychlorinated biphenyl, also known as PCBs which
19 has not been tested for at all. There are five components
20 which were found that exceed DEM limits, but by capping them
21 solely on the NRF site does not preclude the damage effect of
22 these contaminates from the eastern side abutting side. Fires
23 have taken place on lots of sites which is the usual reason
24 for some findings -- such findings, but this site exceeds DEM

2-5

1 standards by far. And it is so important to this community
2 that more testing in the abutting areas should take place.

3 I'm particularly cautious about PCBs for I have
4 a son -- some of you may know Zachary Cutler who contracted
5 acute lymphocytic leukemia when he was seven which came from
6 an electrical transformer which was in front of my house
7 between my house and a neighbor's house in Newton,
8 Massachusetts. This is the reason I immediately noticed that
9 the PCBs were not even tested for. My neighbor's son was also
10 diagnosed with acute lymphocytic leukemia. He died. Luckily,
11 Zachary survived. But I do not want to see anything like this
12 happen in this community due to hazardous materials on this or
13 the balance of the site. You'll understand at this point the
14 balance of the site is the other whole half of that huge super
15 block. Certainly, I don't want it to happen just because an
16 imaginary property line separates it from the deeded rights or
17 outlines the deeded rights all because of a project like the
18 one proposed for this site. It's something we don't need in
19 any case. Thank you very much.

20 (APPLAUSE FROM AUDIENCE)

21 MS. HOWINGTON: And I appreciate that you were
22 going to submit the plans that you have. If any of you also
23 have written dialogue like that, just to make sure that we
24 catch every word, if you can also send that to us or submit

1 it, we appreciate it.

2 MR. RICCIO: Is there anyone else in the
3 audience that would like to make some comments?

4 MR. CLAPP: Yes. I would like to make a
5 comment.

6 MS. HOWINGTON: Do you want to change this now?

7 MR. CLAPP: Yes, I do.

8 MR. RICCIO: While we're setting up, --
9 Mr. Clapp has a small presentation -- is there anyone else
10 that would like to jump in right now and make comments?

11 (BRIEF PAUSE)

12 MR. RICCIO: No. Okay. Bear with us as we
13 make the change with the computers. Thanks.

14 MR. CLAPP: I'll buy you some time. My name is
15 David Clapp. I live on John street, and I'm part of the
16 opposition to Queen Anne Square. This has been a growing
17 group over the past six or seven months. And the reason I'm
18 standing up here is to -- I've had the opportunity and the
19 privilege to gather distant comments from the group over a
20 period of time and go to these meetings. Given the rules and
21 regs. of this meeting, people getting up and speaking for
22 three minutes and that's about it, I took the liberty to talk
23 to our group and ask for their solicitations over the weekend
24 so that we could put together an informative and a

1 strategically designed question and answer period so that we
2 stayed on the subject that is relevant to this meeting which
3 is environmental hazards and toxic waste. I've been to a lot
4 of meetings with our group, and they are all well-meaning.
5 And sometimes we have to pull people in on the fact that the
6 benches aren't going to be very comfortable. I'm certain Joe
7 wouldn't really care about that. So allow me -- allow me the
8 opportunity -- I'm going to have to do some things here
9 because I have to collect a couple --

10 MR. RICCIO: I want to make sure it's all set
11 to go.

12 MR. CLAPP: Okay. Great.

13 MR. RICCIO: Can you check that for us?

14 MR. CLAPP: I can't really because I have to
15 have the clicker. Okay. And I will -- because Laurence did
16 just a fine presentation, I'm going to shorten my
17 presentation. I only have about, you know, a few questions
18 and answers mostly directed at DEM. But in the way that the
19 questions are phrased --

20 MR. RICCIO: Just recall that we're collecting
21 information from you all now. So we're not going to be able
22 to get into a question and answer forum.

23 MR. CLAPP: It's not a question and answer
24 forum. I'm just going to give you some -- a number of

1 questions that can go into the public record. Okay?

2 MR. RICCIO: Okay.

3 MR. NICHOLSON: By the way, see if you --
4 Mr. Clapp, see if you can get the microphone a little closer
5 to you.

6 MR. CLAPP: Yes. The problem that I have is
7 that that computer has a clicker, and I got to do both or
8 whatever.

9 MR. RICCIO: This can be moved here.

10 MR. NICHOLSON: No one's limited to three
11 minutes or whatever. That's somewhat of an arbitrary comment.
12 If you have information if you want -- I'm Joe Nicholson. I'm
13 the City Solicitor. If you want to get up and take some time
14 and explain what type of historical information you have on
15 the property, please do so. I mean, I have my own historical
16 information on the property, but it's limited to the late
17 '60s. I knew there was a laundry there. And my only
18 historical information that I recall is my father had an
19 office right next to Ryan's Sporting Goods, and he used to
20 tell me, kid, go take my shirts to the laundry. And that's
21 the extent of my knowledge. But you may have more in-depth
22 knowledge of the property -- all of you, Mr. Clapp included.
23 So take the time and provide the information. You don't have
24 any limitation. We've got all night. If you need to espouse

1 some things, please do so.

2 MR. CLAPP: Joe, keep talking. I've got to
3 find the clicker.

4 MR. NICHOLSON: I've got a song and dance if
5 you want.

6 MR. CUTLER: Joe, Mr. McNulty -- John McNulty
7 is here this evening. He knows every inch of the history of
8 the property.

9 MR. NICHOLSON: Oh, I'm sure he does. So if
10 you want to get up at some time, Mr. McNulty, get up and
11 discuss this.

12 MR. MCNULTY: Appropriate time?

13 MR. NICHOLSON: Why don't you -- Jack, why
14 don't you go ahead, please.

15 MR. MCNULTY: Okay. I'm sure everyone can hear
16 me, anyway.

17 MS. BRIAR: No. Don't think everybody can hear
18 you. You need the microphone.

19 MR. MCNULTY: Okay. I'll wait.

20 (BRIEF PAUSE)

21 MR. MCNULTY: My name is John McNulty. I was
22 born in Newport, the Fifth Ward, and I'm very familiar with
23 the Queen Anne Square, basically, because I'm very familiar
24 with the Newport Restoration Foundation. I first started out

1 restoring the Prescott Farm Windmill which we moved from
2 Lehigh Hill in Portsmouth to the present site at the Prescott
3 Farm. This was in 1968 and 1970. I was asked to be involved
4 in this project by Mr. Francis Comstock who was a mentor of
5 mine, and he helped me through the years in my business.

6 Now, I'm going to address the Queen Anne Square
7 site. In 1977, I was a registered building contractor in the
8 city of Newport, and I approached the demolition contractor
9 about purchasing a portion of the Egan Laundry structure which
10 I was successful in doing. I relocated it to Middletown on
11 Aquidneck Avenue. It consisted of steel beams, windows,
12 doors, light fixtures, anything I could use in my construction
13 site on Aquidneck Avenue. I spent -- this was in 1977. It
14 was I think early summer. I spent quite a bit of time on the
15 site picking out and disassembling parts that I could use.
16 And I'm just going to mention the fact that what I witnessed
17 in the demolition of the lower portion of the Egan Laundry
18 structure which was right on the corner of Thames Street and
19 Mill Street -- I can recall it very vividly. It had a blue
20 and white tile floor as you walked in with a counter for the
21 customers to pick up their dry good that ran east and west
22 from Thames Street towards Spring Street. The only entrance
23 was on Mill Street. I think there were four or five parking
24 spaces right up close to the building on Thames Street. The

1 cars actually hung out on the sidewalk when they used that
2 area.

3 But going back to the demolition of the lower
4 portion of the Egan Laundry structure, I can clearly recall
5 going down in the basement. There was a basement under this.
6 That's why you had to climb a certain number of steps to get
7 up in the office space. There were large tanks in this
8 basement, one large tank for heating fuel, and then there were
9 several other tanks for cleaning products. There were also
10 many 55-gallon drums. Now, if you have a bible in here and
11 you want to put it on the top here, I'll put my hand on it and
12 tell you what happened to all the affluent that came out these
13 tanks with the exception of the very large heating oil tank.
14 I can't comment on that. All of this liquid was let go into
15 the sanitary sewer system of the city of Newport, either the
16 sanitary sewer or the storm sewer. I witnessed it. I wasn't
17 there to witness it. I was there to disassemble the portion
18 of the building that I had purchased. I spent weeks down
19 there doing my thing, collecting my stuff.

20 I'm not surprised at that area -- and I have
21 the testing, boring records in front of me here. I'm not
22 really surprised that if the material was dumped where I saw
23 released from the tanks didn't go into the sewer, you would
24 have a much higher rating as to what they are seeing now. So

1 it's kind of passe that this material is gone. But it's sad
2 where it went because it went right into the harbor either off
3 the pumping station on Connell Highway or -- I mean -- yeah.
4 Pumping station or through the storm drain right down into the
5 harbor. I have plans here for the -- from Mill Street of the
6 structure that I purchased from the demolition contractor. If
7 anybody wants -- I have initialed these plans. And if anybody
8 wants a copy of them, I'll make it available.

2-7 9 The site -- there is -- there was a gas station
10 on the top of Mill Street and Spring Street. There was also
11 an automobile dealership on Mill Street, approximately, where
12 Comstock Court is now. It was Silvia's Auto Sales. I bought
13 a 1954 Ford convertible from Mr. Silvia. Wish I still had it.
14 It's all recorded because I have the paperwork here showing
15 these locations. The gas station at the top of Spring and
16 Mill could have possibly been a pollutant site, but back then
17 it was not -- pollutant was not an issue.

18 I did go to the City Hall today and went
19 through the Personnel Department and pulled out the records as
20 to who the Building Inspector was at the time in 1977 when I
21 was involved in this project. I have the date of his
22 employment and the date of his retirement. I'm just not
23 mentioning his name at this point in time. I think I've
24 covered everything I have to say. I went over the three

1 minutes. So I'm going to stop now.

2 MR. NICHOLSON: You've got more time. Take
3 your time. If you need more time, take your time.

4 MR. MCNULTY: Time is money, Joe.

5 MR. NICHOLSON: We know that.

6 MR. MCNULTY: We talked about that.

7 MR. NICHOLSON: I know that all too well.

8 MR. MCNULTY: I'm done. Thank you.

9 MR. NICHOLSON: Thank you.

10 (APPLAUSE FROM AUDIENCE)

11 MR. CLAPP: Now, I have to be ambidexterous and
12 do two things at once, and computers are confounding to me.
13 Again, let me thank everybody for showing up tonight.
14 Briefly, our group -- my name is David Clapp. Our group
15 represents a group of people that formed on an ad hoc basis
16 basically to try to understand what exactly was going on with
17 Queen Anne Square and why the -- there was so much obfuscation
18 of the process during the fall. Basically, there wasn't
19 anybody that did anything transparently. And it became
20 annoying -- more annoying. And I think that's the reason that
21 the people in our group became more and more intent upon
22 stopping this, was the way that the City continued to act in
23 regards to not even changing over the course of an entire fall
24 and almost winter a five to four vote or five to one vote at

1 the City Council, that not one person in eight months or seven
2 months or whatever changed their vote. Now, this was also of
3 the same issue that was Number 1 for the local paper in terms
4 of intensity. Eighty-nine percent of the people in this town
5 said we don't want this square, and yet not one person on the
6 City Council changed their vote over a period of time.

7 MR. RICCIO: Excuse me, Mr. Clapp, can we keep
8 it on point to the environment issues.

9 MR. CLAPP: Will do.

10 MR. RICCIO: Thank you.

11 MR. CLAPP: This is a -- these questions are
12 directed towards DEM, our good friends at DEM, and -- and I
13 will have -- I just have a few going here. Is it true that
14 Sage did not test for PCBs and Dioxins? And why is this?
15 Mr. Cutler brought this up earlier. This is kind of a
16 redundant thing, but certainly the reason it's been repeated
17 is because it's so important to this issue. Regarding Sage,
18 What assurances would DEM provide the citizens of Newport that
19 Sage's test results will be reliable? Why was Sage even
20 chosen? Was it complete -- competitively bid? And
21 procedurally, could DEM require an independent source be used
22 to corroborate Sage's results? Importantly, what's Trinity's
23 official status? Is it, as they claim, just an abutter? If
24 Trinity is just an abutter, was there any soil testing done on

1 Trinity's property? And if not, why not? Presumably there
2 was no Benzine or Toluene found in the Sage testing, yet
3 municipal records prove that there was a dry cleaner within
4 the span of Queen Anne Square on Frank Street. Was this
5 surprising? And if so, does this warrant more investigation?
6 Does the rumor of more contaminated land abutting the tested
7 areas indicate a present problem or a potential one? How far
8 beyond the periphery of the actual footprints of the proposed
9 project is required to be tested? One, no feet, ten feet or
10 how many feet?

11 The perimeter has to expand. The testing has
12 to be increased. Does DEM believe that the scope of the soil
13 testing be extended beyond the current perimeters? It is our
14 understanding that NRF told Sage about the purported location
15 of that laundry. Seems like a thorough investigation of
16 municipal records would have been more professional on Sage's
17 part. Wouldn't you agree? Some believe that the number of
18 bore holes tested were insufficient to analyze the true
19 dimensions and toxicity of this entire site. Who will
20 determine what is procedurally correct?

21 In addition to the dry cleaning facility, there
22 was also an ARCO Station to the corner -- on the corner of
23 Mill and Spring. Landscaping volunteers from Trinity Church
24 repeatedly cite finding oil and waste contaminates still in

1 the soil after all these years. Did Sage investigate the
2 existence of that ARCO Station? And how will DEM approach
3 this? Does DEM even have jurisdiction there? It is our
4 understanding that DEM will use a new internal procedure when
5 analyzing Queen Anne Square. Can you comment on that so that
6 we can understand it better?

7 For the citizens of Newport, open spaces,
8 especially historic ones is vital -- is a vital concern of
9 ours. Yet the NRF's proposal to change Queen Anne Square will
10 result in an actual reduction in open space. Would this be
11 philosophically inconsistent with DEM's overall mission? Does
12 DEM believe that the scope of this oil testing should be
13 extended beyond the current park perimeters? Given that
14 testing is expensive, how will DEM mandate that the City
15 convey to Newport citizens that current efforts have been
16 inadequate and more testing is needed?

17 MR. RICCIO: Mr. Clapp, excuse me for
18 interrupting. Do you have any more info similar to Number 10
19 where you talked an ARCO Station in the general vicinity?

20 MR. CLAPP: I have a picture of it, actually.

21 MR. RICCIO: Can we try to stay a little more
22 on point on the environmental of the park we're discussing,
23 please.

24 MR. CLAPP: I'm sorry. The ARCO -- the ARCO

1 Station is -- would have been an abutter.

2 MR. RICCIO: Well, then can we totally say then
3 all -- nothing that is related to the site in question is what
4 you're then telling me?

5 MR. CLAPP: It was on the corner --

6 MR. RICCIO: We're just trying to keep to the
7 point.

8 MR. CLAPP: It was on the corner of Spring and
9 Mill.

10 MR. RICCIO: Understood. So if you have any
11 comments on --

12 MR. CLAPP: It's -- it's a hundred yards away
13 from Queen Anne Square.

14 MR. RICCIO: We need to keep on the record for
15 the parcel in question. If you could do that, it would be
16 much appreciated.

17 MR. CLAPP: I'm certain the people at DEM would
18 be more interested in finding out what the perimeter aspects
19 of how far away was the contamination that trickled down into
20 Queen Anne Square and then into the harbor. So you are --
21 you're saying that the footprint of Queen Anne Square is the
22 only thing in question? Huh? Is that what you're saying?

23 MR. RICCIO: I'm just asking you to keep on
24 point with the purpose of the meeting.

1 MS. BRIAR: He is.

2 MR. CLAPP: Are you taking this down?

3 I'm talking about something that's 50 yards
4 away.

5 MR. RAMMELL: I'm Bill Rammell. I've been
6 living in Newport for quite a while. I own 210 Thames Street
7 which is basically an abutter. We're -- if you go the nearest
8 street up, we're right there. We have a basement. And they
9 called Spring Street Spring Street for a reason. And our
10 basement is only dry because we have three, four sump pumps
11 running continuously. And, in fact, during the last hurricane
12 when we lost power for three days, I had to go down to the
13 building every two hours or every half hour, an hour. It
14 depended, but -- otherwise, my basement would have flooded. I
15 had to run the generator to run the pumps to empty the crocks.
16 And in 1983, we did a -- in '82, we did a complete renovation
17 of the building. And we needed some weightbearing poles in
18 the basement. We had to dig several piers in the basement to
19 support these lolly columns. And when we dug them, it was
20 literally just a river running through our basement. And
21 the -- you know, it's -- we're downhill. So anything uphill,
22 Spring Street or lower -- I mean, Spring is relevant to this
23 discussion because, obviously, water flows downhill. And I
24 think if they dig down two feet and remove all that soil

1 they're going to have water. But for what it's worth --

2 MR. CLAPP: Now, that's -- that's vital because
3 what -- some of the things that we're -- with my last few
4 questions are -- you know, you're an abutter in one way, shape
5 or form. And so I think the idea is that Queen Anne Square
6 while it may have a geographic, okay, definition, it's not
7 really that way at all.

8 Understanding that this is only speculation on
9 DEM's part, what has been the effect of abutters' property
10 values in your experience when homeowners realize they're
11 adjacent to a toxic waste site?

12 MR. RAMMELL: If I could just add one thing.
13 DEM, you know, or anybody is welcome to come and test the
14 water in the crocks. Easy access. No problem.

15 MR. CLAPP: I'm sure they'll be over. Thanks.

16 Do you have any examples of when a toxic waste
17 site is exposed to DEM's investigations and injured parties,
18 e.g. abutters sue for damages against the City? If the Queen
19 Anne Square project were halted immediately, how would DEM
20 classify the site? Halted immediately. Capping toxic sites
21 and/or concrete capping have, approximately, a 50-year
22 lifespan. Is there a long-range site plan for management and
23 funding of Queen Anne Square toxic materials? Long-range now.
24 Who is writing the long-term site remediation plan? And who

1 is responsible long-term? The City, the taxpayers or NRF? Is
2 there any money in the "endowment fund" for future testing?
3 Does DEM have any examples where public toxic sites in the
4 state have returned to private ownership? What were -- what
5 were their maintenance plans short and long-term? And who
6 would pay the maintenance? The taxpayers? Can the City
7 legally give a known toxic site to a nonprofit? A homeowner
8 cannot sell a house if it tests positive for Radon. It's
9 against the law. So how can the City endanger the public by a
10 site that has far more dangerous chemicals in it than that? I
11 guess that's the gift. What is the final authority on the
12 legality of giving away toxic land? Did anyone call the EPA?
13 There has to be a law against it. Or if they are going to do
14 it, then some entity has to ensure that the private party will
15 protect the public who are going to be using this recreational
16 site. But I guess more over, who trusts the NRF? Anyway, as
17 I say, that was a compendium of subjects and comments and
18 thoughts that our group has been generating for the past two
19 or three months.

20 MS. BRIAR: And who is your group?

21 MR. CLAPP: We're the citizens for Queen Anne
22 Square. So I tried to keep it -- I've tried to keep it on the
23 environmental issues. As I said, the -- there's a spirited
24 group of people here that are not going to let this go away.

1 MR. NICHOLSON: Do you have -- you're going to
2 forward this to -- your presentation to us?

3 MR. CLAPP: I've already done that.

4 MR. NICHOLSON: Yeah. Okay. Great. Thanks.

5 MR. CLAPP: Thanks for your time.

6 (APPLAUSE FROM AUDIENCE)

7 MS. HENRY: Margaret Henry, 267 Gibbs. I'm --
8 it's very interesting, and the questions I think are
9 wonderful. I get the impression, though, that -- I came
10 wanting to hear answers, and I get the impression that you
11 folks want information from us. This is --

12 MR. RICCIO: Exactly.

13 MS. HENRY: This is more of an information
14 gathering.

15 MR. RICCIO: Gathering.

16 MS. HENRY: Then when can we get answers?
17 Because after this started, I -- my son-in-law is an
18 environmental engineer. And he works out in San Francisco and
19 Oakland where they have lots of toxic sites, and all he does
20 is soil testing. So I zapped him a little e-mail and said,
21 you know, they're going to be testing this site -- or I didn't
22 even know if they were going to be testing the site. And he
23 said -- he gave me a very specific, for a dry
24 cleaning/laundromat -- in fact, that's his master's thesis is

1 on dry cleaners, although, he's working out in California.
2 And there are very specific chemicals that you test for. And
3 he said, sadly, some of those chemicals actually turn into
4 other chemicals over the years and probably is a different
5 chemical right now. And he said a lot of times you don't even
6 see the toxicity until the people start digging, and then the
7 toxicity starts coming up and whoever is educating themselves
8 on this. Sometimes the environmental person is there.
9 Sometimes it's just a contractor working for eight bucks an
10 hour. And he's getting exposed to it. And then, of course,
11 the air gets exposed and the people living around it depending
12 on what the toxicity is. And that's what I would find -- I
13 mean, I think it's important that you're hearing from people
14 who have a history here. And my history isn't that long. But
15 when are we going to hear about what was tested, how much was
16 tested, what it looked like, what the remediation is, what's
17 the proper remediation for those things? I mean, sometimes
18 people just cap them, and that's it. And that's perfectly
19 acceptable I guess. But I think, though, we'd really like to
20 know that kind of information.

21 MR. RICCIO: Yeah. And this is -- this is one
22 part of a process that's being worked, and this is one -- this
23 is the next step that we're taking to develop everything
24 you're looking to view.

1 MR. HENRY: Okay. So you're getting -- all of
2 Mr. Clapp's wonderful questions will be processed --

3 MR. RICCIO: Yes. We're getting it on the
4 record tonight. We're getting it on the record officially
5 with the stenographer, but people are also handing some of
6 their presentations into us which we will compile and present
7 to DEM as part of the official record for the whole project.

8 MS. BRIAR: When will that be?

9 MR. RICCIO: I'm sorry?

10 MS. BRIAR: When will that be?

11 MR. RICCIO: The comment period is open until
12 April 16th at 4:00 p.m. So all of this will be left open, and
13 we'll continue to collect written data. Obviously, there
14 won't be a verbal outside of tonight. But again, I don't know
15 if you were here at the start, but there are some written
16 comment forms in the back of the room that you can take when
17 you leave and mail in. And tomorrow morning we will also
18 place it onto the City's web site in case you don't get one
19 tonight and you want to download it, print it out, fill it
20 out. It's up until April 16th. Anybody else?

21 MR. Wallace: I just want to say -- Mike
22 Wallace -- this whole paranoia about toxic site, it's not a
23 toxic waste site. It's a very common thing. When you have an
24 urban area, you have tanks, things, they just fill that stuff

1 in. If you take a good look at that park, the grade is way
2 high as it is. It's kind of bizarre. Maya Landing speaks for
3 the Audubon Society. Her concerns are very environmental.
4 She has a lot of concerns about saving the planet, saving
5 animals. She is very concerned about this kind of thing. She
6 wants to clean it up. I would think you people who want to
7 keep it the same way would at least want the people who are
8 going to use it that way have not a toxic place in there.
9 What they are doing is common. If there was going to be a
10 building built there, they would have to go in there, test it,
11 find out. It's not, you know, whatever that place was up in
12 New York, whatever. It's just a very common, toxic thing.
13 They're going to clean it up. They're going to fill it in
14 with nice soil. It's not going to be polluted. It's going to
15 be fine.

16 MR. CLAPP: Thanks. See you.

17 MS. BRIAR: Thanks, Michael.

18 MR. RICCIO: Hi.

19 MS. FITCH: I would like to speak.

20 MR. RICCIO: Please.

21 MS. FITCH: My name is Penny Fitch. My husband
22 and I live at 14 Everett Street. I didn't make a formal
23 presentation. I came actually just to kind of hear what was
24 going on. I have been an active person in favor of the Queen

1 Anne Square development. My point is quick and short. I
2 would certainly hope -- and this is addressed to the DEM --
3 that in the -- in the course of them doing what they need to
4 do they take under consideration that a lot of people in town
5 that are educated and well thought of are using -- using these
6 tests as another way to try to stop what's happening in Queen
7 Anne Square. And I certainly hope that the people at DEM are
8 aware of that. Thank you.

9 (APPLAUSE FROM AUDIENCE)

10 MS. HENRY: Margaret Henry.

11 AUDIENCE MEMBER: Can you stay on point?

12 MS. HENRY: Well, I did. I talked about --

13 AUDIENCE MEMBER: No, you didn't. You didn't.

14 MS. HENRY: Well, I guess the point is it's not
15 about -- it's not about labeling something toxic or not toxic.
16 It's just about the testing that needs to be done, and we as
17 citizens should know what the testing is, what the effect is.
18 And then we can make decisions as to what -- and to accuse
19 people of wanting to stop a project by using toxicity -- I
20 think that's kind of unfair because nobody really knows what
21 any of our thoughts are. And so I think -- anyway, that's it.

22 MR. CLAPP: Thank you. Thank you.

23 MR. RICCIO: Ma'am, one more note. There is --
24 there is a record of the project right now that continually

1 evolves on the DEM's web site. So you can go onto
2 RhodeIslandDEM.gov I believe it is.

3 MS. HENRY: Perfect.

4 MR. RICCIO: And it's under their Waste
5 Management Office. And then you'll see there's a number of
6 projects that are being developed, and this is one of them.
7 And all of the records up to this date. We'll share
8 everything that the -- the City has done up to this point.

9 MS. BRIAR: Is the DEM present here, a
10 representative?

11 MR. RICCIO: There are. Yes. There are
12 representatives here.

13 MR. MARTELLA: Joe Martella, DEM.

14 MS. OWENS: I'm Kelly Owens for the Rhode
15 Island DEM. Thank you.

16 MR. RICCIO: Again, that's Joe Martella and
17 Kelly Owens from DEM are here. Yes, ma'am. Again, just your
18 name and address, please.

19 MS. HUTTON: My name is Frankie Hutton. I live
20 at 25 Catherine Street.

21 MS. BRIAR: You must speak up.

22 MS. HUTTON: My name is Frankie Hutton. I live
23 at 25 Catherine Street in Newport. I've been a gardener at
24 Trinity Church for ten years. And during that time, the head

1 gardener, Mary Alice Barker told me that she had found oil in
2 the soil of the church yard in the southeast corner on
3 numerous occasions, and she also said that there had been a
4 gas station there previously. According to -- you can see it
5 on this picture that I brought. Here is the gas station.
6 According to the Newport City directory, that gas station was
7 there for over 30 years, and it was there from at least 1941
8 to 1973.

9 MR. RICCIO: Thank you. Anyone else, folks?

10 Yes.

11 MS. STOOKEY: Hilary Stookey. Hello. I just
12 have a thing real quick. Hilary Stookey, Newport. The public
13 really doesn't have adequate access to these plans. They're
14 at City Hall, but not everybody can get to City Hall. And I
15 think it's only fair that we should have them on display here
16 in the Newport Public Library. Could you see if that could be
17 possible, please?

18 MR. RICCIO: Sure. Like I said, the project
19 information right now is on the web.

20 MS. STOOKEY: Yes. But the plans themselves
21 are not available, only at City Hall. I think -- I believe
22 that they should be available here at the Newport Public
23 Library so that people have a chance to look at them because I
24 know they're being revised. Thank you.

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MR. RICCIO: Thank you.

MR. SULLIVAN: Hello. I'm Brian Sullivan of Newport, and I have a question that was actually prepared by a professional who happens to be as anonymous as I'm not in this issue. But this professional is a very close person to me, and his profession is that of the Sage Company, underground work on environmental counseling. This environmental consultant asks: As you may recall, the groundwater was not heavily impacted by chlorinated solvents. This suggests to me that there is no significant chlorinated solvent problem. Since the property is fairly small, it does not seem likely for the monitoring wells to be in the wrong places. Given the lack of physical evidence of the former dry cleaner other than anecdotal information garnered by the developer, what other sources of information have been sought from knowledgeable persons? Have any interviews been attempted or completed with past owners that would know where key components of the dry cleaning equipment were located, how wastes were managed and what types of solvents were used? Since all physical evidence of the former dry cleaner has been removed from the property, such interviews might be useful. Hear, hear. I think that is an adequate offer to see questions addressed. So thank you very much for the opportunity to share.

MR. RICCIO: Thanks, Mr. Sullivan. Anything

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else?

(BRIEF PAUSE)

MR. RICCIO: Okay. Hearing none, I'd just like to reiterate there are comment forms in the back. It will be posted on the web site if you don't get one, and you'd like to officially make more comments that can be sent directly to DEM as you will notice on the form. Thanks, everybody, very much for coming. We appreciate your comments.

(PUBLIC HEARING CONCLUDED AT 6:28 P.M.)

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C E R T I F I C A T E

I hereby certify that the foregoing is a true and accurate transcript of the public hearing taken on Monday, April 2, 2012, at 5:30 p.m.

Heather A. Lussier



HEATHER A. LUSSIER, CSR

Notary Public, State of Rhode Island

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Queen Anne Square
Newport, Rhode Island
Public Comments/Questions

Comment Location	Description	SAGE Responses
1-1	Is it true that SAGE did not test for PCBs and Dioxins ^⓪ ? Why is this?	Regarding PCBs, please refer to pp. 4-6 Dioxins ^⓪
1-2	Regarding SAGE, what assurances will DEM provide the citizens of Newport that SAGE's test results will be reliable? <ul style="list-style-type: none"> Why was SAGE even chosen? Was it competitively bid? Procedurally, could DEM require an independent source be used to corroborate SAGE? 	See p. 7 The Site Investigation process stipulated in RIDEM's Remediation Regulations (Remediation Regulations) is being followed by SAGE. According to Mr. Pieter Roos, "an environmental consultant was needed and SAGE came highly recommended. In addition, SAGE is included in the list of environmental consultants identified on RIDEM's website." (http://www.dem.ri.gov/brownfields/partners/consultantlist.html) Unlike the City of Newport, the DDMF is not a public entity, and therefore they are not required to conform to a specific bid process. ^⓪
1-3	What is Trinity's official status? Just an abutter?	Yes, an abutter (see pp. 2-3)
1-4	If Trinity is "just an abutter", was there any soil testing done on Trinity's property? If not, why not?	See pp. 2-3
1-5	Presumably there was no benzene or toluene found in the SAGE testing. Yet municipal records prove that there was a dry cleaner within the span of QAS on Frank Street. <ul style="list-style-type: none"> Was this surprising, and if so, does it warrant more investigation? 	Refer to p. 5 ^⓪
1-6	Does the "rumor" of more contaminated land abutting the tested areas indicate a present problem or a potential one?	^⓪ Investigation was limited to Lot 346
1-7	How far beyond the periphery of the actual "footprint" of the proposed project is required? i.e. 0 Feet; 10 feet; or???	^⓪
1-8	Does DEM believe that the scope of the soil testing be extended beyond the current perimeters? <ul style="list-style-type: none"> Who will determine what is procedurally correct? 	Refer to Attachment 3 for a summary of All Appropriate Inquiries analysis performed ^⓪
1-9	It is our understanding that NRF told SAGE about the purported location of that laundry. Seems like a thorough examination of municipal records would have been more professional on SAGE's part, wouldn't you agree? Some believe that the number of bore holes tested were insufficient to analyze the true dimensions and toxicity of the entire property.	SAGE is following the Site Investigation process stipulated in the Remediation Regulations ^⓪
1-10	In addition to the dry cleaning facility, there was also an ARCO station on the corner of Mill and Spring. Landscaping volunteers from Trinity repeatedly cite finding oil and waste contaminants in the soil after all these years. <ul style="list-style-type: none"> Did SAGE investigate the existence of that ARCO Station? How will DEM approach this? Does DEM even have jurisdiction there? 	See p. 3 and p. 5 of Attachment 3 ^⓪ RIDEM
1-11	It is our understanding that the DEM will use a new internal procedure when analyzing QAS. Can you comment on this?	See p. 5 of Attachment 3 ^⓪
1-12	For the citizens of Newport, "open spaces" especially historic ones, is of vital concern. Yet the NRF's proposal to change QAS will result in actual reduction in "open space". Would this be philosophically inconsistent with DEM's overall mission?	^⓪
1-13	Does DEM believe that the scope of the soil testing should be extended beyond the current park perimeters?	Although this Site Investigation remains incomplete, based on current data, off-Site investigation does not appear warranted at this time (see pp. 3-4) ^⓪
1-14	Given that testing is expensive, how will DEM mandate that the city convey to Newport citizens the current efforts have been inadequate and more testing is needed?	The Site Investigation process stipulated in the Remediation Regulations is being conducted at the Site ^⓪
1-15	Understanding that this is only speculation on DEM's part, what has the effect been on abutters' property values, in your experience, when home owners realize they're adjacent to a toxic waste site?	^⓪
1-16	Do you have any examples of when a toxic waste site is exposed by DEM's investigations and injured parties (e.g. abutters) sue for damages (e.g. the city)?	^⓪
1-17	If the QAS project were halted immediately, how would DEM classify the site?	^⓪ Based on SAGE's understanding of the Remediation Regulations, there would still be a requirement to complete the Site Investigation process and implement an appropriate remedy ^⓪
1-18	Capping toxic sites and/or solid concrete capping have approximately a 50 year life span: <ul style="list-style-type: none"> Is there a long range site plan for management and funding for QAS toxic materials? Who is writing the long term site remediation plan? Who is responsible long term? The city's taxpayers, NRF? Is there any money in the "endowment" for future testing? 	The Site will be required to implement a remedy consistent with the requirements of Section 9 of the Remediation Regulations. The Site will be subject to an Environmental Land Use Restriction requiring annual inspections of any engineered barrier designed to limit exposure to Site soil be conducted to ensure the integrity of the remedy is maintained. With respect to management, see above ^⓪ The environmental consultant will prepare a Remedial Action Work Plan for review, comment and approval by RIDEM The DDMF endowment would be responsible (at the City's discretion) for future remediation. Queen Anne Square has been and will remain City property. If the City deems it necessary, they can require future testing through the endowment. ^⓪
1-19	Does the DEM have any examples where public toxic sites in the state have returned to private ownership? What were there maintenance plans short and long term? And who would pay the maintenance? The taxpayers?	Queen Anne Square is and will remain municipally owned. ^⓪
1-20	Can the city legally "give" a known toxic site to a non profit? A homeowner cannot sell a house if it tests positive for Radon -it's against the law, so -how can the city endanger the public by a site that has far more dangerous chemicals than that.	Lot 346 is property of the City of Newport and will remain so. ^⓪
1-21	What is the final authority on the legality of giving away toxic land? Did anyone call the EPA? There has to be a law against that. Or if they are going to do it, then some entity has to ensure that the private party (NRF) will protect the public who are going to be using the site. Moreover, who even trusts the NRF?	No City property is being "given away". (See above) ^⓪

^⓪ Response by SAGE deemed inappropriate.

**Queen Anne Square
Newport, Rhode Island
Public Comments/Questions**

Comment Location	Description	SAGE Responses
1-22	Head gardener at Trinity Church said she found oil in the soil in the southeast corner of the church yard. Gas station had formerly been there. Newport directories list Old State House Service Station located there from 1941 to 1973, so reasonable that petroleum contaminants in Queen Anne Square.	① Although this Site Investigation remains incomplete, based on current data, off-Site investigation does not appear warranted at this time (see pp. 3-4)
1-23 & 1-24	ARCO station was torn down in the late 70's but was certain that gas tanks were never removed.	① See pp. 2, 3 & 4
1-25	Redesign involves parts of the property belonging to Trinity Church, but testing conducted limited only to property owned by City of Newport. At the very least we would expect the DEM to require environmental monitoring for contaminants/petroleum hydrocarbons during any construction phase on Trinity property as well as City property to identify any release potential and exposure to the Public.	
1-26	Urge DEM officials to proceed in their professional manner without letting the negative atmosphere affect the necessary work to be accomplished. And at the same time, I don't want the opponents' pressure to change the plans already approved and put into place.	①
1-27	Egans - Corner of Thames & Mill Street stood 8' x 6' x 1' neon sign with a transformer which was vandalized and abandoned around 1972-73. Would also have had much in the way of machinery as dry cleaning requires electrically powered racks, driers, fans, heat etc. All of this machinery would have been nonchalantly bulldozed in the Site when demolition occurred. Walsh Brothers – can not verify, but in all certainty it contained fluorescent fixtures....also in all certainty a freight elevator. Due to the fire all of this would be unceremoniously bulldozed and incorporated into the Site by the lowest bidder. Due to the fire very incomplete scrapping of materials would have occurred. Also the acres of lead paint on the century old structure would have become incorporated into the soil at the site. Feel the statement by Roos "it is generally agreed that PCBs are not a relevant factor in the space" is either naive or negligent. The PCB issue should be more carefully explored. Test borings not made in locations that were shown on the engineers drawing, no test borings at all were done in the areas designated for fake foundations. Proposed alterations to Queen Anne Square also call for digging on the property currently owned by Trinity Church. No testing whatsoever has been done on the Trinity Church property. There is to be a new structure built in the Trinity parking lot area that will house the electric service, pump house and filter house for the installation on the city's property. Obviously trenches will be dug from this structure to each of the fake foundations and to each lighting fixture in the rest of the Square. These trenches will run through contaminated soil. No testing has been done in the area of the proposed Columbarium, or the electric, pump and filter house or in the areas of the service trenches. Boring studies were not taken from several critical areas from above the proposed study area, the eastern most portion of the property and the...defined project site with its neighboring sties which are all within the confines which is commonly known as Queen Anne Square, the entire block area that goes up to Spring Street with all those properties part of it.	Refer to PCB discussion pp. 4-6 with respect to demolition practices. Testimony by McNulty suggests the laundry building were not. Building components often times have a used or scrap value, and as a result, often times are removed from a property. Although SAGE is unaware of what occurred or was required in this particular circumstance, demolition permits are typically required prior to building demolition and often stipulate specific requirements. Refer to PCB discussion pp. 4-6. Contaminants identified in soil at the Site, in particular lead and PAHs, are consistent with the comment. As would be expected, fill was identified in several of the borings, and charred wood was identified in boring B-9 and MW-5 (B-34). Refer to Figure 2 Refer to PCB discussion pp. 4-6
1-28	Proposed alterations to Queen Anne Square also call for digging on the property currently owned by Trinity Church. No testing whatsoever has been done on the Trinity Church property. There is to be a new structure built in the Trinity parking lot area that will house the electric service, pump house and filter house for the installation on the city's property. Obviously trenches will be dug from this structure to each of the fake foundations and to each lighting fixture in the rest of the Square. These trenches will run through contaminated soil. No testing has been done in the area of the proposed Columbarium, or the electric, pump and filter house or in the areas of the service trenches. Boring studies were not taken from several critical areas from above the proposed study area, the eastern most portion of the property and the...defined project site with its neighboring sties which are all within the confines which is commonly known as Queen Anne Square, the entire block area that goes up to Spring Street with all those properties part of it.	Relevant testing was conducted in areas of construction (Refer to Figure 2) At this time, SAGE is unable to respond to this comment. We are hopeful that ultimately an answer can be provided to interested parties. Refer to p. 2. No structures are being built outside the bounds of Lot 346. Any Site or off-Site soil disturbance will have to be performed consistent with the requirements of the Construction Soil Management Plan reviewed and approved by RIDEM.
2-1	Boring studies were not taken from several critical areas from above the proposed study area, the eastern most portion of the property and the...defined project site with its neighboring sties which are all within the confines which is commonly known as Queen Anne Square, the entire block area that goes up to Spring Street with all those properties part of it.	① The investigation process is incomplete at this time; however, significant subsurface investigation of the Site has been conducted (see Figure 2)
2-2	Digging performed by NRF to move rose bushes after SAGE sampling, and Petroleum Hydrocarbons were encountered. No digging should have taken place until extent of contamination was defined.	①
2-3	RIDEM should have been notified if Petroleum Hydrocarbons were encountered regardless of whose property they were discovered on. The whole eastern area should have been included in the original study.	SAGE is following the Site Investigation process stipulated in the Remediation Regulations. Although the Site Investigation remains incomplete, based on current data, off-Site investigation does not appear warranted at this time (see pp. 3-4)
2-4	Is it a DEM regulation that all construction workers, landscape gardeners, designers, artists, administrators and their staff and other related parties who may be on site be 40 hour trained? If so, how is such implemented	①
2-5	Do not believe enough testing has been done to make a definitive declaration regarding entire site or the adjacent land area above the current study area.	①
2-6	Egan Laundry – There were large tanks in the basement, one large for heating fuel and several other tanks for cleaning products, also several 55-gallon drums. All fluid except for heating oil tank was discharged into sanitary or storm sewer.	See p. 5
2-7	Gas station on top of Mill and Spring Street and auto dealership on Mill Street	See p. 3 and p. 5 of Attachment 3
2-8	When are we going to hear about what was tested, how much was tested, what it looked like, what the remediation is, what's the proper remediation for those things?	Upon completion of the Site Investigation, a Site Investigation Report (SIR) will be submitted to RIDEM for review and comment. The SIR will contain a Remedial Alternatives Analysis proposing implementation of a preferred remedial alternative. Yes, it is SAGE's understanding that they have been. Refer to attachments
2-9	Can we have the plans on display at the Newport Public Library?	
2-10	What other sources of information have been sought from knowledgeable persons?	
2-11	Have any interviews been attempted or completed with past owners that would know where key components of the dry cleaning equipment were located, how wastes were managed and what types of solvents were used?	No; however, SAGE would be very interested in interviewing persons with direct knowledge of the former Egan Laundry and Dry Cleaning facility should they come forward.

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PRO SPORTS

Bruins

Continued from B1

coach Claude Julien said. "We do have some guys that are tired and unfortunately guys that are not playing up to par. At the same time we've got lots of games and we have to fight our way through it." Leading 1-0, Florida outscored Boston 3-1 in the second period. Boston made it 4-2 on Rolston's power-play goal early in the third. His shot from the right circle went past Theodore at 1:44. It was Rolston's first goal in 10 games since he came to the Bruins in a trade with the Islanders. "Obviously it's nice to get on the board and I certainly hope I can help," Rolston said.

PRO BASKETBALL: BOSTON CELTICS

Celtics make no moves as trade deadline passes

BOSTON (AP)— Heading into Thursday's NBA trade deadline, Boston Celtics general manager Danny Ainge was prepared to cash out on this season to stock up for the future. Or, he was willing to add pieces for a playoff run that could be the last for the New Big 3. In the end, he did neither. "I was looking at both opportunities: to strengthen our team for the playoff run this year, and/or building up some chips and building for the future," Ainge said in a conference call with reporters a few hours after the trade deadline passed at 3 p.m. without the Celtics making a deal. "We actually had some conversations on both. Nothing seemed good enough to do."

The aging Celtics have been up and down this year as they try to survive the compressed and shortened season for a playoff push that will almost certainly be the last time Kevin Garnett, Paul Pierce and Ray Allen are together. They entered Thursday in seventh place in the Eastern Conference and 1 1/2 games behind Philadelphia in the Atlantic Division. That left Ainge in no-man's land: He was willing to break up the Big 3 to build for the future — the rumors were actually hottest surrounding point guard Rajon Rondo — but he also listened to deals that would have paid off immediately. He was considering offers as late as 2:57 p.m., he said. "A handful of trades — from small to bigger — that just couldn't be resolved,

and that happens often," Ainge said. "There were deals we wanted to do that we couldn't get a taker, and there were deals other teams wanted to do that we just wouldn't bite on." Ainge said the Celtics are still looking for a big man to replace forward Chris Wilcox, who was diagnosed this week with an enlarged aorta that will keep him out for the rest of the season. They are reportedly interested in New Orleans center Chris Kaman; Hornets GM Dell Demps said he is inclined to hold onto the 7-footer rather than buy him out. "We do need to add another big man," Ainge said. "We're waiting to find the best big man available. We're being a little bit patient on that and we'll see who's available."

Ainge said he could not be sure if Jermaine O'Neal will play again this season. The 33-year-old center has been out since Feb. 22 with a wrist injury, and he is expected to retire at the end of the season. Celtics coach Doc Rivers said in a radio interview that he is not surprised the team did not make any moves and said he feels good about it. "Obviously there was talk, but nothing ever surfaced, to be honest," he said on WEEI in Boston. "We just have to keep getting better as the group we are. For us to be successful in the playoffs, we have to be healthy and I think we probably have the smallest margin for error of the eight playoff teams with injuries. One injury for us with our top seven guys would be a disaster."

Southern Rhode Island's CLASSIFIED MARKETPLACE

3-Legals	3-Legals	3-Legals	3-Legals	3-Legals	10-Help Wanted	10-Help Wanted	10-Help Wanted
<p>MORTGAGEE'S SALE 35 Farnum Street Tiverton, Rhode Island</p> <p>The premises described in the mortgage will be sold subject to all encumbrances and prior liens on April 10, 2012 at 9:00 am on the premises by virtue of the Power of Sale in said mortgage made by Raymond A. Ballard dated June 8, 2007, and recorded in Book 1146 at Page 53, et seq. of the Tiverton Land Evidence Records, the conditions of said mortgage having been broken:</p> <p>\$5,000.00 in cash, bank check or certified check at time of sale is required to bid; other terms will be announced at time of sale.</p> <p>Bendett & McHugh, P.C. 270 Farmington Avenue, Ste. 151 Farmington, CT 06032 Attorney for the present Holder of the Mortgage</p>	<p>moned to appear, if you shall see fit, before the Family Court, to be held at Newport, within the County of Newport, on the 2nd day of April, A.D. 2012, then and there to answer said Miscellaneous Petition.</p> <p>STATE OF RHODE ISLAND NEWPORT, SC SUPERIOR COURT C.A. NO: N11-0547</p> <p>ROSEMARY T. MARMARAS VS. WILLIAM F. O'CONNOR, ALIAS</p> <p>CITATION</p> <p>TO WHOM IT MAY CONCERN, and WILLIAM F. O'CONNOR, AND IF THE ABOVE IS DECEASED, HIS SPOUSE, HEIRS AND/OR DEVISEES.</p> <p>Whereas, a Petition has been presented to said Court by ROSEMARY T. MARMARAS of Portsmouth, Rhode Island, to foreclose all rights of redemption from the tax lien proceedings described in said Petition in and concerning that certain parcel of land situated in the County of Newport and in said State bounded and described in said Petition as follows:</p> <p>THAT CERTAIN lot or parcel of land with all the buildings and improvements thereon situated on Narragansett Avenue, in the Town of Portsmouth, County of Newport, State of R.I., laid out and designated as Lot No. 121 (ONE HUNDRED TWENTY-ONE) on that certain plat entitled "PORTION OF HIGH VIEW PLAT ON PRUDENCE ISLAND, PORTSMOUTH, RI BELONGING TO MATTHEW J. GALLAGHER BY WATERMAN ENGINEERING CO. MAY 1929", which said plat is recorded in the Land Evidence Records of the Town of Portsmouth, in Plat Book 1A, at pages 6 & 7.</p> <p>If you desire to make any objection or defense to said Petition, you or your attorney must file a written appearance and answer, under oath, setting forth clearly and specifically your objections or defense to each part of said Petition, in the Office of the Superior Court in Newport County, on or before the 20th day of April, 2012, that you may then and there show cause, if any, why the prayer of the Petition should not be granted, said answer must also be sent to Michael J. McCaffrey, Esquire, Attorney for the Petitioner, 1380 Warwick Avenue, Warwick, RI 02888.</p> <p>Unless your appearance is filed by or for you, your default will be recorded, the said Petition will be taken as confessed and you will be forever barred from contesting said Petition or any decree entered thereon. In addition to the usual service of this notice as required by law, it is ordered that the foregoing Citation be published forthwith once each week for three (3) weeks in the Newport Daily News, a newspa-</p>	<p>per published in said County of Newport to wit: on the 16th day of March, 2012, on the 23rd day of March, 2012, and on the 30th day of March, 2012.</p> <p>WITNESS, the seal of our Superior Court, Newport County, this 9th day of March, 2012.</p> <p>Jane M. Anthony, Clerk</p>	<p>May 15, 2006 and recorded in the Newport Land Evidence Records in Book 1748, Page 46, the conditions of said mortgage having been broken.</p> <p>TERMS OF SALE: A deposit of FIVE THOUSAND DOLLARS AND 00 CENTS (\$5,000.00) in the form of a certified check or bank treasurer's check will be required to be delivered at or before the time the bid is offered. The description of the premises contained in said mortgage shall control in the event of an error in this publication. Other terms will be announced at the sale.</p> <p>The public foreclosure auction scheduled for January 31, 2012 at 11:00 AM on the premises has been postponed to April 2, 2012 at 11:00 AM on the premises.</p> <p>ORLANS MORAN PLLC Attorney for the Present Holder of the Mortgage P.O. Box 962169 Boston, MA 02196 Phone: (617) 502-4100 362.7437</p>	<p>\$53,100,000 million. The funds will be used to finance the design and construction of a new treatment plant to replace the existing Latton Valley Water Treatment Plant, improvements to the Station One Water Treatment Facility and other distribution improvements.</p> <p>The application is on file for examination at the office of the Division and at the office of the City of Newport Finance Department, 43 Broadway, Newport, Rhode Island. Reference is made to Chapters 39-1, 39-3 and 42-35 of the RI General Laws.</p> <p>The Division of Public Utilities and Carriers is accessible to the handicapped. Individuals requesting interpreter services for the hearing impaired must notify the Clerk's office at 780-2107 seventy-two hours in advance of hearing date.</p> <p>Thomas F. Ahern, Administrator March 16, 2012</p>	<p>A-1 PIZZA NEWPORT seeking nighttime manager. Apply within 306 Broadway, no phone calls</p> <p>CHECK YOUR AD</p> <p>Our newspapers: The Newport Daily News, South County Independent, NorthEast Independent, Navallog and Mercury shall not be liable for failure to publish an ad or for a typographical error or errors in publication except for the extent of the cost of the ad for the day's insertion. Adjustment for errors is limited to the cost of that portion of the ad wherein the error occurred. Requests for adjustments for error must be made within seven days of the expiration date of the ad. 401-849-3300</p>	<p>IN HOUSE PART TIME catering waitstaff & bartenders, on call basis at area University. Catering ranges from small cocktail parties to outdoor BBQ's to Fine dining full services weddings. Please call Ellen at 341-2472</p> <p>CDL LICENSED DRIVERS / Tour guides, please email tours@historictoursofnewport.com</p> <p>COOKS: Position avail. for exp. line cooks. Apply in person to Kurt at the Atlantic Beach Club.</p> <p>EXP. KITCHEN STAFF for new waterfront restaurant. Apply in person 359 Thames St. Mon-Fri 10-2.</p>	<p>GREENHOUSE. Looking for an avid gardener who has plant/garden knowledge and will be customer focused to perform a variety of jobs from planting to sales. Apply at Moore Blooms, 577 Green End Ave., Middletown or call 848-2096.</p> <p>HOUSEKEEPERS needed at Oceancliff I & II. Year-round position, flexible hours available. Please call 846-6667 to set up an interview.</p> <p>Section 8 Housing Choice Voucher Program Assistant</p> <p>The Newport Housing Authority is currently seeking an individual to provide professional assistance in the administration of the rental assistance programs. This position involves significant contact with residents, property owners and various community and governmental agencies.</p> <p>Salary Range \$28,644 - \$35,010</p> <p>Candidate must have a high school diploma, three (3) years considerable practical experience in associated work, excellent oral and written communications skills.</p> <p>Interested candidates should submit their resume and letter of interest no later than 3:00 p.m. on March 23, 2012 to:</p> <p>James Reed Executive Director Newport Housing Authority 120B Hillside Avenue Newport, RI 02840</p> <p>Equal Opportunity/Affirmative Action Employer.</p>
<p>STATE OF RHODE ISLAND Probate Court of the Town of Jamestown NOTICE OF MATTERS PENDING AND FOR HEARING IN SAID COURT The Court will be in session at Jamestown Town Hall 93 Narragansett Ave on the dates specified in notices below at 2:00 PM for hearing said matters</p>	<p>Kowalczyk, Henry, estate Cynthia Kowalczyk of Glastonbury, CT has qualified as Executrix and has appointed Melissa Green, Esq. of 130 Bellevue Ave. Newport as her agent in Rhode Island; creditors must file their claims in the office of the probate clerk within the time required by law beginning March 7, 2012</p>	<p>Netto, Benvinda D., Estate. Petition for Probate of Will; for hearing April 5, 2012.</p>	<p>Request for Proposals</p> <p>Portsmouth Housing Authority requires legal services pertaining to federal, state and local governance requirements in the areas of public housing, Section 8 housing assistance, fair housing, personnel, procurement and contractual issues. RFP is due by 1:30 PM local time on Friday, March 30, 2012, at the office of Portsmouth Housing Authority, 2368 East Main Road, Portsmouth, RI 02871. Please call (401) 683-3173 X 4 for full RFP package. Equal Opportunity/Affirmative Action Employer.</p>	<p>PUBLIC NOTICE</p> <p>The City of Newport is hereby providing Notice of a Public Meeting per RIGL Chapter 23-19.14 (The Industrial Property Remediation and Reuse Act) and more specifically Section 23-19.14-5 (Environmental Equity and Public Participation).</p> <p>The purpose of this meeting is to discuss the proposed environmental investigations associated with the redesign of Queen Anne Square.</p> <p>The record for the public meeting shall be open for ten (10) business days after the meeting and will close at 4:00 PM on April 16, 2012. Public comments relative to the environmental investigation of the proposed project may be submitted in writing to: Joseph T. Martella II, Senior Engineer, RI Department of Environmental Management - Office of Waste Management, 235 Promenade Street, Providence, RI 02908 or by email at joseph.martella@dem.ri.gov.</p> <p>The meeting will be held on:</p> <p>Date: April 2, 2012</p> <p>Place: Newport Public Library Lower Level Program Room 300 Spring Street Newport, RI 02840</p> <p>Time: 5:30 to 7:30 pm</p>	<p>Program Coordinator Community Support Services</p> <p>Newport County Community Mental Health Center in Middletown, RI is seeking an experienced and qualified human service professional to oversee and supervise a multidisciplinary team of case managers, nurses, vocational and substance abuse specialists providing comprehensive community based services to individuals with serious and persistent mental illness. Responsibilities include all day to day management of the team and services, as well as team performance in adherence of program goals and outcome measures.</p> <p>A master's degree in the Human Services field with supervisory experience in behavioral health or a related setting is required. Interested candidates should apply online at www.nccmh.org</p>	<p>REGISTERED DIETITIAN</p> <p>Village House Nursing and Rehabilitation Center a 95 bed skilled nursing facility located in Newport is looking for an experienced Registered Dietitian. This is a per diem position, approximately 25 hours/month.</p> <p>You will be responsible for assessing residents, conducting nutritional consultations, provided dietary counseling and assisting Food Service Director on all nutritional aspects of resident care, food service and preparation.</p> <p>Qualified candidates must be registered in the State of Rhode Island and have one or more years of experience. Strong communication and customer service skills necessary.</p> <p>If this sounds like you, please send your resume to:</p> <p>Jennifer Tew, Administrator Village House Nursing and Rehab Center 70 Harrison Ave. Newport, RI 02840 401-849-5222 Fax 401-849-5765 Jtew@hcltdri.com</p> <p>EOE</p>	<p>STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS DIVISION OF PUBLIC UTILITIES AND CARRIERS</p> <p>IN RE: CITY OF NEWPORT WATER DIVISION: DOCKET NO. D-12-3 APPLICATION FOR BORROWING AUTHORITY.</p> <p>NOTICE OF FILING AND PUBLIC HEARING</p> <p>Pursuant to the provisions of the Rhode Island General Laws, §§ 39-1-1 and 39-3-15, as amended, the Division of Public Utilities and Carriers (the "Division") will conduct a public hearing on Thursday, April 5, 2012 at 11:00 A.M. in Hearing Room B of the Division of Public Utilities and Carriers, located at 89 Jefferson Boulevard, Warwick, Rhode Island.</p> <p>At this hearing, the Division will consider the propriety of an application filed by the City of Newport Water Division seeking consent and approval to obtain financing in the amount not to exceed</p>
<p>STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS, NEWPORT, SC. Office of the Clerk of the Family Court, N12-0027M FEBRUARY 28, 2012</p> <p>WHEREAS, DEBORAH M. JOHNSON, of Newport, in the County of Newport has filed a Miscellaneous Petition in said office, demanding a custody and placement of the parties' minor children and all other relief as this court may deem just.</p> <p>Now, therefore, you the said Defendant, Graig Neal, are hereby sum-</p>	<p>MORTGAGEE'S NOTICE OF SALE OF REAL ESTATE 71 TILDEN AVENUE, NEWPORT, RI 02840</p> <p>The premises described in the mortgage will be sold subject to all encumbrances and prior liens on January 31, 2012 at 11:00 AM on the premises, by virtue of the power of sale contained in a mortgage by Jennifer R. Martinek dated</p>	<p>Wendy J.W. Marshall, CMC, Probate Clerk</p>	<p>STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS DIVISION OF PUBLIC UTILITIES AND CARRIERS</p> <p>IN RE: CITY OF NEWPORT WATER DIVISION: DOCKET NO. D-12-3 APPLICATION FOR BORROWING AUTHORITY.</p> <p>NOTICE OF FILING AND PUBLIC HEARING</p> <p>Pursuant to the provisions of the Rhode Island General Laws, §§ 39-1-1 and 39-3-15, as amended, the Division of Public Utilities and Carriers (the "Division") will conduct a public hearing on Thursday, April 5, 2012 at 11:00 A.M. in Hearing Room B of the Division of Public Utilities and Carriers, located at 89 Jefferson Boulevard, Warwick, Rhode Island.</p> <p>At this hearing, the Division will consider the propriety of an application filed by the City of Newport Water Division seeking consent and approval to obtain financing in the amount not to exceed</p>	<p>10-Help Wanted</p>	<p>mercury</p> <p>Stop Reading Start Working!</p> <p>Mercury is seeking an enthusiastic addition to our close-knit, creative and professional team.</p> <p>As part of our dynamic crew, you'll be responsible for selling advertisements into Mercury, servicing accounts and prospecting new accounts. You'll develop skills in all aspects of publishing, such as public relations, marketing and event coordination.</p> <p>Gain valuable hands-on experience.</p> <p>If you enjoy a fast-paced, deadline-driven environment, relationship building and have good organizational skills, apply today!</p> <p>Interested applicants should e-mail or fax resume to: Annamarie Brisson Brisson@newportri.com Fax- 401-849-3335</p>		
<p>FIND THE JOB YOU WANT.</p> <p>Thousands of postings from local newspapers, updated every day.</p> <p>The Newport Daily News is a participating affiliate in Rljobs.com.</p>					<p>Rljobs.com</p> <p>get it together.</p>		

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SAGE
ENVIRONMENTAL

March 13, 2012

Mr. Joseph Martella
RI Dept. of Environmental Management
Office of Waste Management
235 Promenade Street
Providence, Rhode Island 02903

**RE: *Abutters Notification
Queen Anne Square
Newport, Rhode Island
SAGE Project No. S2244***

Dear Mr. Martella:

Please consider this communication confirmation that on Monday, March 12, 2012, the attached Public Notice document was distributed to abutters of the referenced property via First Class Mail and Certified Mail. A plat plan depicting those properties that that have been noticed (in yellow) is also attached. A list of recipients noticed is provided in the following table.

Plat-Lot	Owner	Plat-Lot	Owner
24-112	GRACE HOTELS (THE) VANDERBILT LLC 41 MARY ST NEWPORT, RI 02840	24-162-S1	VALCOURT, DENNIS R-HEIRS OF C/O ROBERT M BRADY 1 GROVE AVE EAST PROVIDENCE, RI 02914
24-122	HENRY REALTY LLC 33 WASHINGTON ST NEWPORT, RI 02840	24-162-S2	ORLOVIC, ANNE H 45 MOLLEUR RD PORTSMOUTH, RI 02871
24-133	SMITH, WILLIAM H JR WILLAM SMITH ENTERPRISES 1151 AQUIDNECK AVE SUITE 415 MIDDLETOWN, RI 02842	24-172, 24-335, 24-188	TRINITY EPISCOPAL CHURCH HONYMAN HALL QUEEN ANNE SQUARE NEWPORT, RI 02840
24-138	SHIV CORP 195 WATCH HILL DR E GREENWICH, RI 02818	24-178	SHANER SPE ASSOCIATES LP 49 AMERICAS CUP AVE NEWPORT, RI 02840
24-139-4, 24-338	NEWPORT CITY OF CITY HALL NEWPORT, RI 02840	24-197	WEBER, KAREN L AND SEGAL, ANDREW B 24 MILL ST NEWPORT, RI 02840
24-142	PILGRIM HOUSE INN, LLC 123 SPRING ST NEWPORT, RI 02840	24-228, 24-229, 24-231-4, 24-359, 24-360	NEWPORT RESTORATION FOUNDATION 51 TOURO ST NEWPORT, RI 02840
24-153	MORRISON, SARAH 133 SPRING ST NEWPORT, RI 02840	24-230	PEARSALL, JOHN JED 25 MILL ST NEWPORT, RI 02840

172 Armistice Blvd.
Pawtucket, Rhode Island 02860
401-723-9900
FAX 401-723-9973
www.sageenvironmental.net

Plat-Lot	Owner	Plat-Lot	Owner
24-154	BERNARD, JOSEPHINE Z AND RAYMOND BERNARD LIFE ESTATE 46 CHURCH ST NEWPORT, RI 02840	24-233	KINGSLEY, FRANCIS ET ALS-TRUSTEES EGAN FAMILY 2006 TRUST C/O 14 MARTINGALE LANE WESTWOOD, MA 02090
24-155	SUNNY DEVELOPMENT CORP C/O GROWTH COMPANIES 1234 BOYLYSTON ST CHESTNUT HILL, MA 02167	24-239	SEAMENS CHURCH INSTITUTE MARKET SQ NEWPORT, RI 02840
24-159	KILROY, BONNIE B CASTLE HILL COTTAGE 1 ELLA TERRACE NEWPORT, RI 02840	24-249	246 THAMES STREET, LLC C/O PETER SHEEHAN 2623 OREGON AVE N CHARLESTON, SC 29405
24-159-4	ROMMEL, WILLIAM FOX & MACDONALD, SANDRA M 92 EUSTIS AVE NEWPORT, RI 02840	24-250	MUSIC HALL BUILDING, LLC 62 WASHINGTON ST % LYNN COMFORT NEWPORT, RI 02840
24-162	JOSEPH HAIRE CONDO ASSOC 135-137 SPRING ST NEWPORT, RI 02840	24-251	MERMAIDS REAL ESTATE LLC 254 THAMES ST NEWPORT, RI 02840
24-162-01	BISSETT, JOHN E JR 37 WENDY DR FARMINGVILLE, NY 11738	24-254	262 THAMES ST REALTY LLC 4 SAMANTHA LN REHOBOTH, MA 02769
24-162-02	SANNA, LUKE J 423 RIDGEWOOD AVE GLEN ELLYN, IL 60137	24-267, 24-267-1, 24-267-2, 24-267-3, 24-267-4, 24-267-5, 24-267-6, 24-267-7, 24-267-8, 24-267-10, 24-267-11	PELHAM COURT, LLC 14-16 PELHAM ST NEWPORT, RI 02840
24-162-03	SWIERK, STEPHEN A & LEON, DEBRA 137 SPRING ST UNIT 3 NEWPORT, RI 02840	24-268	NEWPORT AMUSMENT REALTY TRUST 116 WATERHOUSE RD BOURNE, MA 02532
24-162-04	VIDAL, ELI 135-137 SPRING & 50 CHURCH J NEWPORT, RI 02840	24-336	HEYDT, KATHLEEN S 35 EASTOVER RD PORTSMOUTH, RI 02871
24-267-12	PHILLIPS, DANIEL 72 ELM ST MEDFIELD, MA 02052	24-341	TRINITY SPRING LLC 353 ARMISTICE BLVD PAWTUCKET, RI 02861
24-267-9	DEHONEY, JAMES M -TRUSTEE DEHONEY, MELANIE M-TRUSTEE 14 PELHAM STREET UNIT 9 NEWPORT, RI 02840	24-342, 24-355	BOWENS WHARF CO INC 13 BOWENS WHF PO BOX 60 NEWPORT, RI 02840
24-267-A-1, 24-267-J	PELHAM COURT LLC C/O MELVIN F HILL III 174 BELLEVUE AVE UNIT 200 NEWPORT, RI 02840	24-349	BRICK MARKET PLACE ASSOCIATES 175 FEDERAL ST STE 700 BOSTON, MA 02110

Plat-Lot	Owner	Plat-Lot	Owner
24-298	MURDOCK, MATTHEW T & WILDBERGER, SUZANNE E 5 MONADNOCK ST NASHUA, NH 03064	24-157	LILY LLC 1022 DIXWELL AVE HAMDEN, CT 06518

Sincerely,
SAGE Environmental, Inc.



Bruce W. Clark
Principal

BWC/car

Attachment

- c: Kelly Owens, RIDEM
Pieter Roos, Newport Restoration Foundation
Jane Howington, Newport City Manager
William Riccio, Director, Newport Department of Public Services
Scott Wheeler, Newport Department of Public Services
Jim Farrar, Farrar Associates

PUBLIC NOTICE

The City of Newport is hereby providing Notice of a Public Meeting per RIGL Chapter 23-19.14 (The Industrial Property Remediation and Reuse Act) and more specifically Section 23-19.14-5 (Environmental Equity and Public Participation).

The purpose of this meeting is to discuss the proposed environmental investigations associated with the redesign of Queen Anne Square.

The record for the public meeting shall be open for ten (10) business days after the meeting and will close at 4:00 PM on April 16, 2012. Public comments relative to the environmental investigation of the proposed project may be submitted in writing to: Joseph T. Martella II, Senior Engineer, RI Department of Environmental Management - Office of Waste Management, 235 Promenade Street, Providence, RI 02908 or by email at joseph.martella@dem.ri.gov.

The meeting will be held on:

Date:

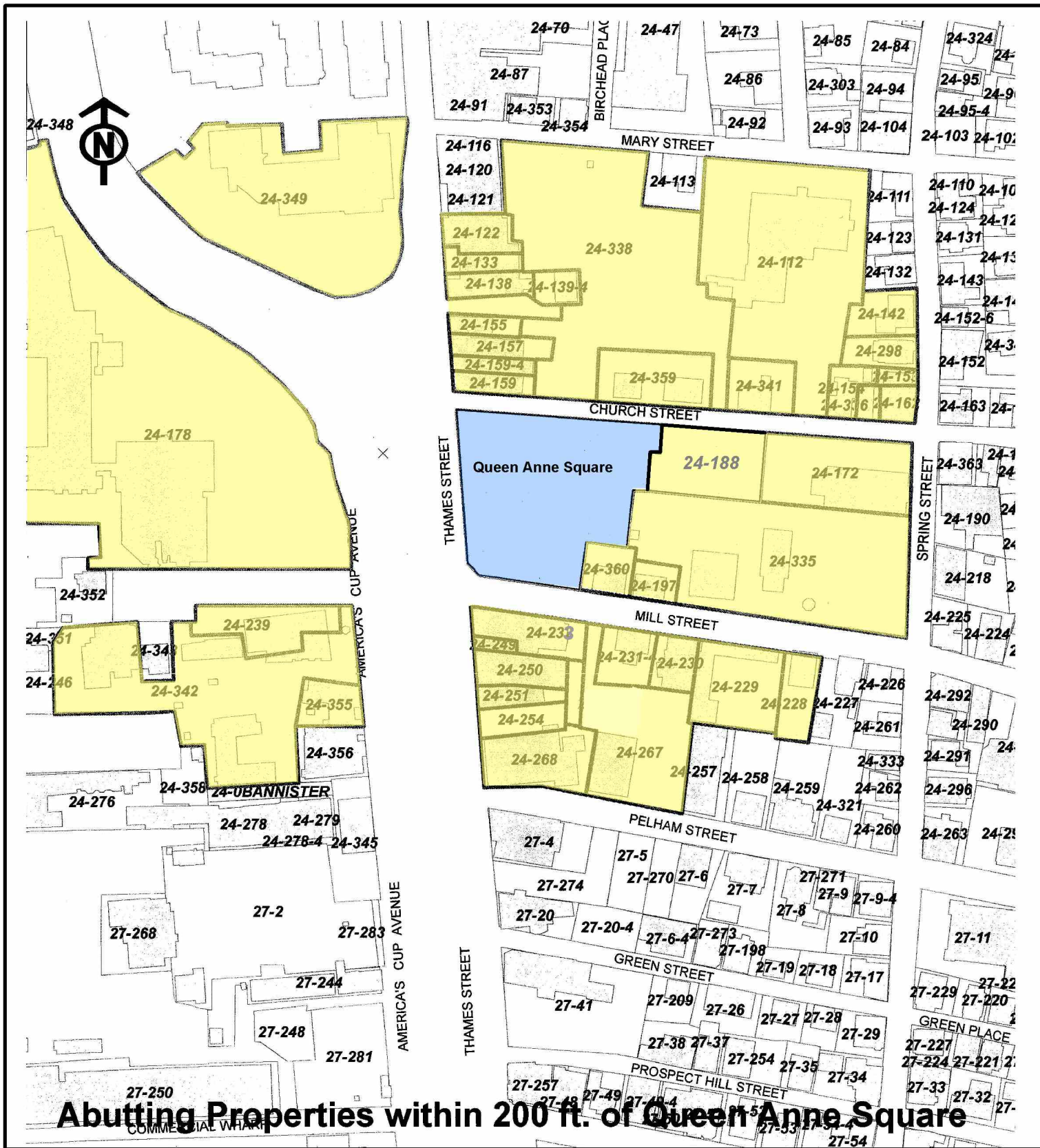
April 2, 2012

Place:

Newport Public Library
Lower Level Program Room
300 Spring Street
Newport, RI 02840

Time:

5:30 to 7:30 pm



SAGE Environmental, Inc

Figure

Abutting Properties Within 200 Feet

Queen Anne Square
Newport, Rhode Island

DATE: 03/09/12

JOB #: S2244

CREATED BY: DAK

DRAWING: abuttermap.mxd

Not to Scale



★ Site Location

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SAGE
ENVIRONMENTAL

March 9, 2012

Mr. Joseph Martella
RI Dept. of Environmental Management
Office of Waste Management
235 Promenade Street
Providence, Rhode Island 02903

**RE: *Proposed Scope of Work
Queen Anne Square
Newport, Rhode Island
SAGE Project No. S2244***

Dear Mr. Martella:

Attached please find a draft Public Notice document for newspaper publication. Please confirm the form of the Notice is acceptable and that the date and time proposed for the meeting is also acceptable to insure that you and/or other Rhode Island Department of Environmental Management (RIDEM) representatives are available to attend.

An abutter's list is in the process of being developed by the City of Newport and will be provided for your review and comment when complete. The abutter's list will also include a plat map identifying the locations of proposed abutters relative to the Queen Anne Square property.

Also attached is a preliminary work scope for additional subsurface investigation proposed to supplement existing data such that the site can be advanced through the Site Investigation process. If possible, on behalf of our client the Doris Duke Monument Foundation, *SAGE* is requesting that RIDEM provide comment relative to the preliminary Work Plan such that proposed subsurface investigation details can be available to interested parties prior to the April 2, 2012 public meeting.

We recognize this is a preliminary scope of work and may change should public meeting comment provide additional information relative to the "All Appropriate Inquiry Process" that necessitates additional subsurface investigation and/or additional historic research.


Thank you in advance for your prompt response to our requests and the Department's continued assistance.

We will follow up with you soon to discuss additional work elements, if any, that RIDEM deems appropriate for the site.

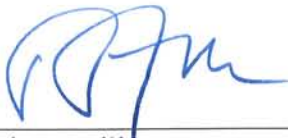
172 Armistice Blvd.
Pawtucket, Rhode Island 02860
401-723-9900
FAX 401-723-9973
www.sageenvironmental.net

In the interim, should you have any questions or require any additional information, please do not hesitate to contact either of the undersigned.

Sincerely,
SAGE Environmental, Inc.



Bruce W. Clark
Principal



Rick Mandile
Principal

BWC/RM:car

Attachments

c: Kelly Owens, RIDEM
Pieter Roos, Newport Restoration Foundation
Jane Howington, Newport City Manager
William Riccio, Director, Newport Department of Public Services
Scott Wheeler, Newport Department of Public Services
Jim Farrar, Farrar Associates

PUBLIC NOTICE

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The purpose of this meeting is to discuss the proposed environmental investigations associated with the redesign of Queen Anne Square.

The record for the public meeting shall be open for ten (10) business days after the meeting and will close at 4:00 PM on April 16, 2012. Public comments relative to the environmental investigation of the proposed project may be submitted in writing to: Joseph T. Martella II, Senior Engineer, RI Department of Environmental Management - Office of Waste Management, 235 Promenade Street, Providence, RI 02908 or by telephone at (401) 222-2979 ext. 7109.

The meeting will be held on:

Date:

April 2, 2012

Place:

Newport Public Library
Lower Level Program Room
300 Spring Street
Newport, RI 02840

Time:

5:30 to 7:30 pm

Proposed Scope of Work

Supplemental Subsurface Investigation

Queen Anne Square Newport, Rhode Island

Soil Boring Advancement/Monitor Well Installations

Soil borings will be advanced at the Site using Geoprobe® direct-push technology. Proposed boring locations are depicted on the attached figure; actual locations may vary depending upon field conditions encountered. Soil borings PB-1 through PB-4 are proposed to further evaluate the “hot spot” identified previously. Soil samples will be collected in clear PVC liners and will be screened in the field for the presence of total photoionizable compounds using a photoionization detector (PID) and the jar headspace technique. Photoionizable compounds that might typically be detected include volatile organic compounds (VOCs) present in petroleum hydrocarbons and many common solvents.

A groundwater monitor well (PMW-6) is proposed to be installed at the location depicted on the attached figure. The monitor well will be constructed with 10 feet of two-inch-diameter PVC well screen. Flush threaded two-inch-diameter PVC riser pipe will then be installed to the ground surface and fitted with an expandable locking plug. Upon installation of well material, each borehole will be backfilled with silica sand to a depth above the screened interval where a bentonite seal was installed. Remaining annular space above bentonite seals will be backfilled with silica sand. A protective steel roadbox will then be nested within a concrete surface seal to secure the wells.

Assuming indications of water are present in one or more of proposed soil borings PB-1, PB-2, PB-3 or PB-4, a groundwater monitor well (PMW-7) will be installed in the boring that exhibits the highest PID headspace response and/or other evidence of contamination. The monitor well will be constructed as indicated above.

Laboratory Analysis of Soil Samples

One soil sample will be collected from each boring and transported utilizing chain-of-custody protocol to a State-certified laboratory for analysis of VOCs via EPA Method 8260B, total petroleum hydrocarbons (TPH) via EPA Method 8100M, and the 13 Priority Pollutant Metals (PP13) via EPA Method 6010B.

Groundwater Gauging and Sampling

SAGE will measure the depth to groundwater in all Site monitor wells and evaluate the presence/absence of separate-phase petroleum (SPP) using an interface probe. One groundwater sample will be collected from each groundwater monitor well using dedicated, disposable bailers. Monitor wells will be purged of a minimum of three volumes of water prior to sample collection. Samples will be transported to a State-certified laboratory for analysis utilizing chain-of-custody protocol for analysis of VOCs via EPA method 8260B.

Elevation Survey

SAGE will perform an elevation survey for the purposes of calculating top of casing (TOC) elevations and locations of the newly-installed wells. Survey activities will be performed using standard differential leveling methods and utilized TOC elevations from existing monitoring wells as the vertical baseline value for the survey. The horizontal location of each new well will be measured with a cloth tape relative to permanent site features. Using this information and gauging data obtained prior to sampling of groundwater monitor wells, a potentiometric surface contour map will be developed to determine the apparent groundwater flow direction.

Data Evaluation/Recommendations

The data obtained from the above investigation will be provided in a Site Investigation Report (SIR). The SIR will include a summary of all data obtained to date as well as the work elements outlined in Section 7.03 of the *Remediation Regulations*. The SIR will also include a section proposing a minimum of two remedial alternatives other than the no action/natural attenuation alternative. The report will be submitted in both hard copy and ecopy format.

**QUEEN ANNE SQUARE
NEWPORT, RI**

CLIENTS:
NEWPORT RESTORATION FOUNDATION
51 TOWN BL.
Newport, RI 02840
Phone: 401-862-7200
Fax: 401-862-1478

EDMUNDSON VON GAL & CO.
907 SPENCER HIGHWAYS RD
EASTLANDER, NY 11917
Tel: 631-507-5643
Fax: 631-507-5650
edmundsonvg@aol.com

PRINCIPAL DESIGNER:
Maya Lin Studio
112 Prince Street 4th Floor
New York, NY 10012
Phone: 212-685-6883
Fax: 212-641-6434

CONSULTANTS:

GENERAL NOTES:

- INFORMATION SHOWN BASED ON SURVEY BY NORTHGATE ENGINEERS, LAST DATED FEBRUARY 12, 2012.
- EXISTING AND PROPOSED FEATURES ARE SHOWN FOR INFORMATION PURPOSES ONLY. ALL ITEMS WILL NEED ON SITE FIELD VERIFICATION.
- SOIL AND TEST HOLE DATA HAVE NOT BEEN OBTAINED. ALL PERTINENT DATA WILL BE RECORDED ONCE COMPLETED AT A FUTURE DATE.

REVISIONS:

SITE KEY

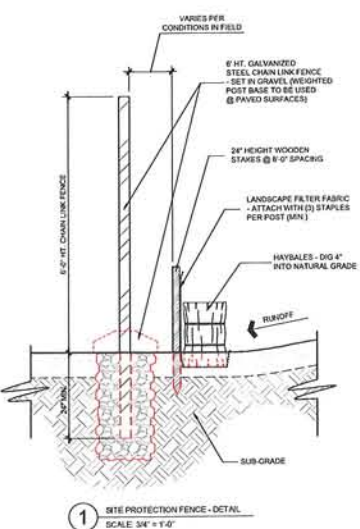
- PROPERTY LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED SWALE
- EXISTING FENCE
- EXISTING TELE LINE
- EXISTING GAS LINE
- EXISTING ELECTRIC LINE
- EXISTING SEWER LINE
- EXISTING DRAIN LINE
- EXISTING WATER LINE
- PROPOSED CHAIN LINK PROTECTION FENCE
- PROPOSED SILT FENCE W/ HAYBALES
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- ORILL HOLE NAIL
- EXISTING GAS LIGHT
- EXISTING CATCH BASIN
- PROPOSED DRAIN INLET
- EXISTING SIGN
- EXISTING TREES
- EXISTING TREES TO BE REMOVED
- EXISTING TREES TO TRANSPLANT
- PROPOSED TREES (20' TO BE FIELD LOCATED BY EDMUNDSON VON GAL)
- EXISTING CURB TO BE REMOVED
- EXISTING WALKWAY TO BE REMOVED
- EXISTING WALKWAY TO BE RESET
- PROPOSED WALKWAY

Legend:

- = Approximate Limits of Egan's Laundry
- = Boring Locations
- MW-X = Monitor Well-X
- PMW-X = Proposed Monitor Well-X
- = Proposed Boring Location

CUT & FILL CALCULATIONS

AREA	DESCRIPTION	CUT (CUYD)	FILL (CUYD)
AREA A - 1876 FOUNDATION			
	1876 FOUNDATION EXCAVATION	44	0
	GRADING AROUND 1876 FOUNDATION	15	0
AREA B - 1776 MEETING ROOM			
	1776 FOUNDATION EXCAVATION	43	0
	GRADING AROUND 1776 FOUNDATION	38	0
	FILL - NONE	0	0
AREA C - THE NEW ENTRY & THE HEARTH			
	THE NEW ENTRY EXCAVATION	20	0
	THE HEARTH FOUNDATION EXCAVATION	31	0
	THE NEW ENTRY FILL	0	3
	THE HEARTH FOUNDATION EXCAVATION	15	0
TOTALS			
	OVERALL CUT	176	0
	OVERALL FILL	0	33
	BALANCE		
			-143 CUYD TO BE REMOVED FROM SITE



SCALE: 1/8" = 1'-0"



PROPOSED PRINT
PRELIMINARY
NOT FOR CONSTRUCTION
DATA SHOWN FOR
DESIGN DEVELOPMENT ONLY.

SITE PROTECTION PLAN
Date: FEBRUARY 11, 2012
Drawing Number: 13
Scale: 1/8" = 1'-0"

FIGURE 2

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SAGE
ENVIRONMENTAL

March 9, 2012

Mr. Joseph Martella
RI Dept. of Environmental Management
Office of Waste Management
235 Promenade Street
Providence, Rhode Island 02903

RE: *Abutters Information*
Queen Anne Square
Newport, Rhode Island
SAGE Project No. S2244

Dear Mr. Martella:

Attached is a list of abutters within 200 feet of the Queen Anne Square property provided by the City of Newport.

Also attached is a plat plan depicting the lots to be noticed in yellow and the Queen Anne Square property in blue.

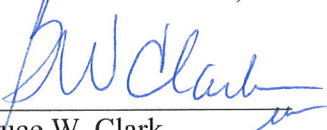
Assuming a worse case, three day, first class mail delivery, the abutter notices need to get mailed by Tuesday, March 13, 2012.

Please note that *SAGE* is in the process of confirming ownership information and lot identifications with the City. As such, we request that this information not be posted to the RIDEM website until confirmed on Monday.

Thank you in advance for your prompt review and response.

Should you have any questions, please contact me.

Sincerely,
SAGE Environmental, Inc.



Bruce W. Clark
Principal

BWC/car

Attachments

William Riccio, Director, Newport Department of Public Services

172 Armistice Blvd.
Pawtucket, Rhode Island 02860
401-723-9900
FAX 401-723-9973
www.sageenvironmental.net

**LIST OF ABUTTERS
NOTIFIED FOR THE FOLLOWING PETITION
03/09/2012**

PETITION NUMBER: 1

Abutter's List for Bill

24-112
GRACE HOTELS (THE) VANDERBILT LLC
41 MARY ST
NEWPORT RI 02840

24-122
HENRY REALTY LLC
33 WASHINGTON ST
NEWPORT RI 02840

24-133
SMITH WILLIAM H JR
WILLAM SMITH ENTERPRISES
1151 AQUIDNECK AVE SUITE 415
MIDDLETOWN RI 02842

24-138
SHIV CORP
195 WATCH HILL DR
E GREENWICH RI 02818

24-139-4
NEWPORT CITY OF
CITY HALL
NEWPORT RI 02840

24-142
PILGRIM HOUSE INN, LLC
123 SPRING ST
NEWPORT RI 02840

24-153
MORRISON SARAH
133 SPRING ST
NEWPORT RI 02840

24-154
BERNARD JOSEPHINE Z AND
RAYMOND BERNARD LIFE ESTATE
46 CHURCH ST
NEWPORT RI 02840

24-155
SUNNY DEVELOPMENT CORP
C/O GROWTH COMPANIES
1234 BOYLSTON ST

CHESTNUT HILL MA 02167

24-159
KILROY BONNIE B
CASTLE HILL COTTAGE
1 ELLA TERRACE
NEWPORT RI 02840

24-159-4
ROMMEL WILLIAM FOX &
MACDONALD SANDRA M
92 EUSTIS AVE
NEWPORT RI 02840

24-162
JOSEPH HAIRE CONDO ASSN
135-137 SPRING ST
NEWPORT RI 02840

24-162-01
BISSETT JOHN E JR
37 WENDY DR
FARMINGVILLE NY 11738

24-162-02
SANNA LUKE J
423 RIDGEWOOD AVE
GLEN ELLYN IL 60137

24-162-03
SWIERK STEPHEN A &
LEON DEBRA
137 SPRING ST UNIT 3
NEWPORT RI 02840

24-162-04
VIDAL ELI
135-137 SPRING & 50 CHURCH J
NEWPORT RI 02840

24-162-S1
VALCOURT DENNIS R-HEIRS OF
C/O ROBERT M BRADY
1 GROVE AVE
EAST PROVIDENCE RI 02914

24-162-S2

LIST OF ABUTTERS
NOTIFIED FOR THE FOLLOWING PETITION
03/09/2012

PETITION NUMBER: 1

Abutter's List for Bill

ORLOVIC ANNE H
45 MOLLEUR RD
PORTSMOUTH RI 02871

24-172
TRINITY EPISCOPAL CHURCH
HONYMAN HALL
QUEEN ANNE SQUARE
NEWPORT RI 02840

24-178
SHANER SPE ASSOCIATES LP
49 AMERICAS CUP AVE
NEWPORT RI 02840

24-197
WEBER KAREN L AND
SEGAL ANDREW B
24 MILL ST
NEWPORT RI 02840

24-228
NEWPORT RESTORATION FOUNDATION
51 TOURO ST
NEWPORT RI 02840

24-229
NEWPORT RESTORATION FOUNDATION
51 TOURO ST
NEWPORT RI 02840

24-230
PEARSALL JOHN JED
25 MILL ST
NEWPORT RI 02840

24-231-4
NEWPORT RESTORATION FOUNDATION
51 TOURO ST
NEWPORT RI 02840

24-233
KINGSLEY FRANCIS ET ALS-TRUSTEES
EGAN FAMILY 2006 TRUST
C/O 14 MARTINGALE LANE
WESTWOOD MA 02090

24-239
SEAMENS CHURCH INSTITUTE
MARKET SQ
NEWPORT RI 02840

24-249
246 THAMES STREET, LLC
C/O PETER SHEEHAN
2623 OREGON AVE
N CHARLESTON SC 29405

24-250
MUSIC HALL BUILDING, LLC
62 WASHINGTON ST
% LYNN COMFORT
NEWPORT RI 02840

24-251
MERMAIDS REAL ESTATE LLC
254 THAMES ST
NEWPORT RI 02840

24-254
262 THAMES ST REALTY LLC
4 SAMANTHA LN
REHOBOTH MA 02769

24-267
PELHAM COURT, LLC
14-16 PELHAM ST
NEWPORT RI 02840

24-267-1
PELHAM COURT LLC
14 PELHAM STREET
USA
NEWPORT RI 02840

24-267-10
PELHAM COURT LLC
14 PELHAM STREET
NEWPORT RI 02840

24-267-11
PELHAM COURT LLC
14 PELHAM STREET

LIST OF ABUTTERS
NOTIFIED FOR THE FOLLOWING PETITION
03/09/2012

PETITION NUMBER: 1

Abutter's List for Bill

NEWPORT RI 02840
24-267-12
PHILLIPS DANIEL
72 ELM ST
MEDFIELD MA 02052

24-267-2
PELHAM COURT LLC
14 PELHAM STREET
NEWPORT RI 02840

24-267-3
PELHAM COURT LLC
14 PELHAM STREET
NEWPORT RI 02840

24-267-4
PELHAM COURT LLC
14 PELHAM STREET
NEWPORT RI 02840

24-267-5
PELHAM COURT LLC
14 PELHAM STREET
NEWPORT RI 02840

24-267-6
PELHAM COURT LLC
14 PELHAM STREET
NEWPORT RI 02840

24-267-7
PELHAM COURT LLC
14 PELHAM STREET
NEWPORT RI 02840

24-267-8
PELHAM COURT LLC
14 PELHAM STREET
NEWPORT RI 02840

24-267-9
DEHONEY JAMES M -TRUSTEE
DEHONEY MELANIE M-TRUSTEE
14 PELHAM STREET UNIT 9
NEWPORT RI 02840

24-267-A-1
PELHAM COURT LLC
C/O MELVIN F HILL III
174 BELLEVUE AVE UNIT 200
NEWPORT RI 02840

24-267-J
PELHAM COURT LLC
C/O MELVIN F HILL III
174 BELLEVUE AVE STE 200
NEWPORT RI 02840

24-268
NEWPORT AMUSMENT REALTY TRUST
116 WATERHOUSE RD
BOURNE MA 02532

24-298
MURDOCK MATTHEW T &
WILDBERGER SUZANNE E
5 MONADNOCK ST
NASHUA NH 03064

24-335
TRINITY CHURCH - RECTOR ET ALS
HONYMANN HALL
QUEEN ANNE SQUARE
NEWPORT RI 02840

24-336
HEYDT KATHLEEN S
35 EASTOVER RD
PORTSMOUTH RI 02871

24-338
NEWPORT CITY OF
CITY HALL
NEWPORT RI 02840

24-341
TRINITY SPRING LLC
353 ARMISTICE BLVD
PAWTUCKET RI 02861

24-342
BOWENS WHARF CO INC

LIST OF ABUTTERS
NOTIFIED FOR THE FOLLOWING PETITION
03/09/2012

PETITION NUMBER: 1

Abutter's List for Bill

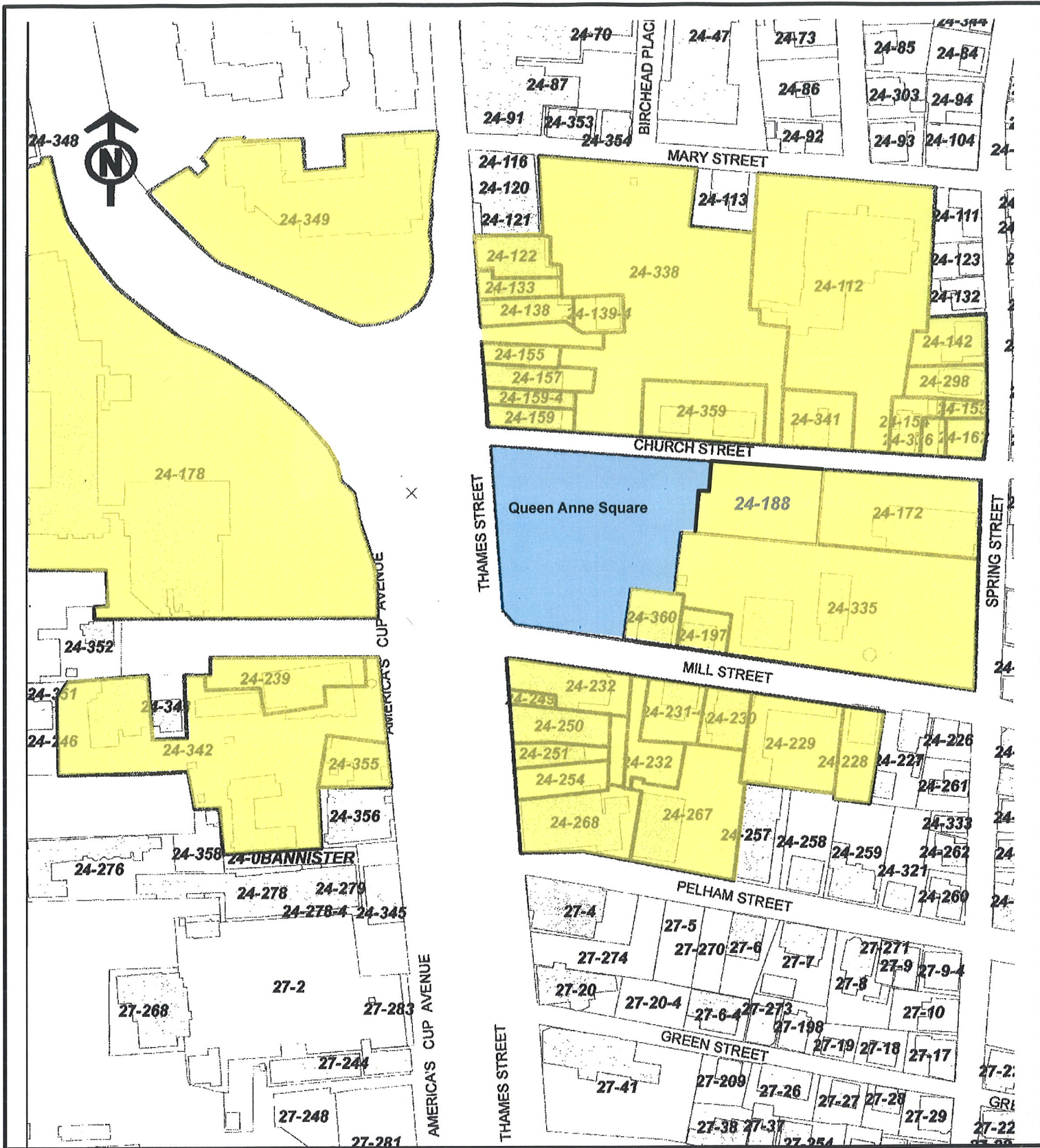
13 BOWENS WHF
PO BOX 60
NEWPORT RI 02840

24-349
BRICK MARKET PLACE ASSOCIATES
175 FEDERAL ST
STE 700
BOSTON MA 02110

24-355
BOWENS WHARF CO INC
13 BOWENS WHF
PO BOX 60
NEWPORT RI 02840

24-359
NEWPORT RESTORATION FOUNDATION
51 TOURO ST
NEWPORT RI 02840

24-360
NEWPORT RESTORATION FOUNDATION
51 TOURO ST
NEWPORT RI 02840



SAGE Environmental, Inc

Figure

Abutting Properties Within 200 Feet

Queen Anne Square
Newport, Rhode Island

DATE: 03/09/12
CREATED BY: DAK

JOB #: S2244
DRAWING: abuttermap.mxd



★ Site Location

Not to Scale

ATTACHMENT 3

SAGE ENVIRONMENTAL, INC. | **SOIL BORING / MONITOR WELL CONSTRUCTION LOG**

OVM 245 ppm; 250 ppm opt.	DRILLED BY:	Zebra Environmental	WELL NUMBER:	B-37
	DRILLING METHOD:	7720DT Geoprobe	PROJECT NUMBER:	S2244
	SAMPLING METHOD:	5' Macrocore	LOCATION:	Queen Anne Sq., Newport
	SCREENING INSTRUMENT:	OVM 580B	DATE:	7/17/12
	DEPTH TO WATER:	≈14-16'	LOGGED BY:	JD

RISER:	TYPE	DIAMETER	LENGTH	WELL SEAL:	HOLE DIA.: 2"
---------------	-------------	-----------------	---------------	-------------------	----------------------

SCREEN:	TYPE	SLOT	DIAMETER	LENGTH	SAND PACK:	TOTAL DEPTH: 16'
----------------	-------------	-------------	-----------------	---------------	-------------------	-------------------------

SAMPLE NO.	DEPTH	SAMPLE RECOVERY	BLOW COUNT PER 6"	MOISTURE CONTENT	SCREENING RESULTS (ppm)	WELL CONSTRUCTION	SOILS DESCRIPTION	
	0						1" Organics/grass	
S-1A	1			Moist	ND	NO WELL INSTALLED	24" Dark brown, fine SAND mixed with small cobbles, some crushed brick; black urban fill-like material (coal), loose	
	2							
S-1B	3	4'		Moist	ND			12" Dark brown, fine SAND and silt, crushed brick; fill-like material (coal), moderately dense
S-1C	4			Dry	ND		12" Light tan, fine SAND with pulverized rock, loose	
	5							
S-2	6							
	7	4'		Dry	ND		Casing refusal @ 11'	48" Light tan, fine SAND with some medium sand, mostly dense; pulverized rock, shale-like
	8							
	9							
S-3A	10			Dry	ND			
S-3B	11							
	12	5'						
	13			Moist	550		30" Light to dark tan, fine SAND and silt, dense; soft, pulverized weathered shale, slight odor	
S-4	14							
	15	2.5'		Moist	274		30" Light tan to grey, fine SAND and silt, soft pulverized, weathered shale-like rock, dense, slight petroleum odor	
	16						Refusal @ 16'	
	17							
	18							
	19							
	20							



SAGE ENVIRONMENTAL, INC.

SOIL BORING / MONITOR WELL CONSTRUCTION LOG

DRILLED BY:	Zebra Environmental	WELL NUMBER:	B-38
DRILLING METHOD:	7720DT Geoprobe	PROJECT NUMBER:	S2244
SAMPLING METHOD:	5' Macrocore	LOCATION:	Queen Anne Sq., Newport
SCREENING INSTRUMENT:	OVM 580B	DATE:	7/17/12
DEPTH TO WATER:	Not encountered	LOGGED BY:	JD

RISER:	TYPE	DIAMETER	LENGTH	WELL SEAL:	HOLE DIA.: 2"
---------------	-------------	-----------------	---------------	-------------------	----------------------

SCREEN:	TYPE	SLOT	DIAMETER	LENGTH	SAND PACK:	TOTAL DEPTH: 11'
----------------	-------------	-------------	-----------------	---------------	-------------------	-------------------------

SAMPLE NO.	DEPTH	SAMPLE RECOVERY	BLOW COUNT PER 6"	MOISTURE CONTENT	SCREENING RESULTS (ppm)	WELL CONSTRUCTION	SOILS DESCRIPTION
	0						1" Organics/grass
S-1A	1			Dry	2	NO WELL INSTALLED	12" Light to medium tan, fine, loose SAND with small cobbles
S-1B	2.5'						6" Dark brown, fill -like material, burnt wood, trace brick, moderately loose
S-1C	4			Moist	ND		12" Light to medium tan, fine SAND and silt, small cobbles in bottom 1", moderately dense
S-2A	6			Moist	1.7		10" Light to medium tan, fine SAND and silt, small cobbles in bottom 1", moderately dense
S-2B	8			Moist	ND		38" Light tan, fine SAND and pulverized, soft, shale-like material, dense
	9			Dry			
S-3	10	14"		Dry	7		14" Light tan, fine SAND and pulverized, soft, shale-like material, dense
	11						Refusal @ 11'
	12						
	13						
	14						
	15						
	16						
	17						
	18						
	19						
	20						

SAGE ENVIRONMENTAL, INC. | **SOIL BORING / MONITOR WELL CONSTRUCTION LOG**

DRILLED BY:	Zebra Environmental	WELL NUMBER:	B-39
DRILLING METHOD:	7720DT Geoprobe	PROJECT NUMBER:	S2244
SAMPLING METHOD:	5' Macrocore	LOCATION:	Queen Anne Sq., Newport
SCREENING INSTRUMENT:	OVM 580B	DATE:	7/17/12
DEPTH TO WATER:	Not encountered	LOGGED BY:	JD

RISER:	TYPE	DIAMETER	LENGTH	WELL SEAL:	HOLE DIA.: 2"
---------------	-------------	-----------------	---------------	-------------------	----------------------

SCREEN:	TYPE	SLOT	DIAMETER	LENGTH	SAND PACK:	TOTAL DEPTH: 8'
----------------	-------------	-------------	-----------------	---------------	-------------------	------------------------

SAMPLE NO.	DEPTH	SAMPLE RECOVERY	BLOW COUNT PER 6"	MOISTURE CONTENT	SCREENING RESULTS (ppm)	WELL CONSTRUCTION	SOILS DESCRIPTION
	0						1" Organics/grass
S-1A	1			Moist	ND	NO WELL INSTALLED	8" Light brown, fine SAND, loose, some small cobbles
S-1B	2	4'		Moist	3.1		20" Dark brown, medium and fine SAND, some silt, crushed stone; fill-like material (brick and coal)
S-1C	3						20" Dark brown and grey, fine SAND and silt, some cobbles; medium dense; trace coal-like material
	4			Dry	ND		6" Dark brown and grey, fine SAND and silt, some cobbles; medium dense; trace coal-like material
S-2A	5			Dry	ND		12" Light grey, medium to fine SAND with pulverized shale-like rock and cobbles, loose
S-2B	6	2.5'		Dry	ND		12" Dark brown and tan, medium and fine SAND with crushed rock pulverized shale-like material, loose
S2-C	7			Dry	ND		
	8						Refusal @ 8'
	9						
	10						
	11						
	12						
	13						
	14						
	15						
	16						
	17						
	18						
	19						
	20						



SAGE ENVIRONMENTAL, INC.

SOIL BORING / MONITOR WELL CONSTRUCTION LOG

OVM 253 ppm; 250 ppm opt.	DRILLED BY: Zebra Environmental	WELL NUMBER: B-40
	DRILLING METHOD: 7720DT Geoprobe	PROJECT NUMBER: S2244
	SAMPLING METHOD: 5' Macrocore	LOCATION: Queen Anne Sq., Newport
	SCREENING INSTRUMENT: OVM 580B	DATE: 7/17/12
	DEPTH TO WATER: Not encountered	LOGGED BY: JD

RISER:	TYPE	DIAMETER	LENGTH	WELL SEAL:	HOLE DIA.: 2"
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SCREEN:	TYPE	SLOT	DIAMETER	LENGTH	SAND PACK:	TOTAL DEPTH: 9'
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SAMPLE NO.	DEPTH	SAMPLE RECOVERY	BLOW COUNT PER 6"	MOISTURE CONTENT	SCREENING RESULTS (ppm)	WELL CONSTRUCTION	SOILS DESCRIPTION
	0						1" Organics/grass
S-1A	1			Dry	ND	NO WELL INSTALLED	8" Light brown, fine SAND, some brick and glass, loose
S-1B	2	4'		Moist	0.6		10" Dark brown, fine to medium SAND, some silt; urban fill-like material, and trace brick and coal, loose
S-1C	3			Moist	ND		30" Top 6" crushed rock (grey); bottom 24" dark brown to tan, fine SAND and silt, some small cobbles, dense
	4						
S-2A	5			Moist	ND		24" Dark grey and tan, fine SAND and silt, small cobbles; pulverized dark grey, soft rock
S-2B	6	4'		Slightly Moist	ND		24" Light tan, fine and medium SAND, small cobbles and pulverized soft shale, moderately dense
	7						
	8						
	9						
	10						
	11						
	12						
	13						
	14						
	15						
	16						
	17						
	18						
	19						
	20						

SAGE ENVIRONMENTAL, INC. SOIL BORING / MONITOR WELL CONSTRUCTION LOG

DRILLED BY:	Zebra Environmental	WELL NUMBER:	B-41
DRILLING METHOD:	7720DT Geoprobe	PROJECT NUMBER:	S2244
SAMPLING METHOD:	5' Macrocore	LOCATION:	Queen Anne Sq., Newport
SCREENING INSTRUMENT:	OVM 580B	DATE:	7/17/12
DEPTH TO WATER:	≈14-16'	LOGGED BY:	JD

RISER:	TYPE	DIAMETER	LENGTH	WELL SEAL:	HOLE DIA.: 2"
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SCREEN:	TYPE	SLOT	DIAMETER	LENGTH	SAND PACK:	TOTAL DEPTH: 16.5'
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SAMPLE NO.	DEPTH	SAMPLE RECOVERY	BLOW COUNT PER 6"	MOISTURE CONTENT	SCREENING RESULTS (ppm)	WELL CONSTRUCTION	SOILS DESCRIPTION	
	0						1" Organics/grass	
S-1	1	2.5'		Moist	1	NO WELL INSTALLED	30" Light brown, fine to medium SAND, some silt, trace amounts of fill-like material (bricks)	
	2							
	3							
	4							
	5							
S-2A	6	4'		Moist	983		Casing refusal @ 7'	18" Light grey, fine SAND and silt with pulverized rock, soft, dense, odor
S-2B	7		970					12" Dark grey, fine SAND and silt; pulverized rock, dense, soft, odor
	8							
S-2C	9							9
	10							
S-3A	11	1.1	8" Tan to light tan, fine SAND and silt; pulverized rock, dense, soft, odor					
S-3B	12		999	32" Light to dark grey, fine SAND and silt, with pulverized, soft, dense shale/rock, odor				
S-3C	13			23	8" Light to dark tan, fine SAND and silt, with soft, dense, pulverized Rock, odor			
	14							
S-4A	15	2.5'		Moist	5			6" Dark tan to dark brown, coarse SAND and gravel, loose, odor
S-4B	16		ND					
	17							Refusal @ 16.5'
	18							
	19							
	20							

SAGE ENVIRONMENTAL, INC. SOIL BORING / MONITOR WELL CONSTRUCTION LOG

DRILLED BY:	Zebra Environmental	WELL NUMBER:	B-42
DRILLING METHOD:	7720DT Geoprobe	PROJECT NUMBER:	S2244
SAMPLING METHOD:	5' Macrocore	LOCATION:	Queen Anne Sq., Newport
SCREENING INSTRUMENT:	OVM 580B	DATE:	7/17/12
DEPTH TO WATER:	Not encountered	LOGGED BY:	JD

RISER:	TYPE	DIAMETER	LENGTH	WELL SEAL:	HOLE DIA.: 2"
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SCREEN:	TYPE	SLOT	DIAMETER	LENGTH	SAND PACK:	TOTAL DEPTH: 11'
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SAMPLE NO.	DEPTH	SAMPLE RECOVERY	BLOW COUNT PER 6"	MOISTURE CONTENT	SCREENING RESULTS (ppm)	WELL CONSTRUCTION	SOILS DESCRIPTION
S-1	0	2.5'		Dry	ND	NO WELL INSTALLED Casing refusal @ 3'	24" Dark brown, fine to medium SAND with small cobbles and pieces of coal and charred wood, loose 6" Crushed rock, hard
	1						
	2						
	3						
	4						
S-2	5	2.5'		Dry	ND		30" Light grey, medium to fine SAND with pulverized, rock/shale and hard, crushed stone, dense
	6						
	7						
	8						
	9						
S-3	10	2'		Dry	ND		24" Light grey, medium to fine SAND with pulverized, rock/shale and hard, crushed stone, dense
	11						Refusal @ 11'
	12						
	13						
	14						
	15						
	16						
	17						
	18						
	19						
	20						

DRILLED BY:	Zebra Environmental	WELL NUMBER:	B-43
DRILLING METHOD:	7720DT Geoprobe	PROJECT NUMBER:	S2244
SAMPLING METHOD:	5' Macrocore	LOCATION:	Queen Anne Sq., Newport
SCREENING INSTRUMENT:	OVM 580B	DATE:	7/17/12
DEPTH TO WATER:	Not encountered	LOGGED BY:	JD

RISER:	TYPE	DIAMETER	LENGTH	WELL SEAL:	HOLE DIA.: 2"
SCREEN:	TYPE	SLOT	DIAMETER	SAND PACK:	TOTAL DEPTH: 2'

SAMPLE NO.	DEPTH	SAMPLE RECOVERY	BLOW COUNT PER 6"	MOISTURE CONTENT	SCREENING RESULTS (ppm)	WELL CONSTRUCTION	SOILS DESCRIPTION
S-1	0	2'		Dry	ND		1" Grass/organics
	1					NO WELL INSTALLED	24" Light brown, fine and medium SAND with small cobbles, loose
	2						End of boring @ 2'
	3						
	4						
	5						
	6						
	7						
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SAGE ENVIRONMENTAL, INC. **SOIL BORING / MONITOR WELL CONSTRUCTION LOG**

DRILLED BY:	Zebra Environmental	WELL NUMBER:	B-44
DRILLING METHOD:	7720DT Geoprobe	PROJECT NUMBER:	S2244
SAMPLING METHOD:	5' Macrocore	LOCATION:	Queen Anne Sq., Newport
SCREENING INSTRUMENT:	OVM 580B	DATE:	7/17/12
DEPTH TO WATER:	Not encountered	LOGGED BY:	JD

RISER:	TYPE	DIAMETER	LENGTH	WELL SEAL:	HOLE DIA.: 2"
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SCREEN:	TYPE	SLOT	DIAMETER	LENGTH	SAND PACK:	TOTAL DEPTH: 2'
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SAMPLE NO.	DEPTH	SAMPLE RECOVERY	BLOW COUNT PER 6"	MOISTURE CONTENT	SCREENING RESULTS (ppm)	WELL CONSTRUCTION	SOILS DESCRIPTION
S-1	0						1" Grass/organics
	1	2'		Moist	ND	NO WELL INSTALLED	24" Light brown, fine and medium SAND with small cobbles, loose
	2						End of boring @ 2'
3							
	4						
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SAGE ENVIRONMENTAL, INC.

SOIL BORING / MONITOR WELL CONSTRUCTION LOG

DRILLED BY:	Zebra Environmental	WELL NUMBER:	B-45
DRILLING METHOD:	7720DT Geoprobe	PROJECT NUMBER:	S2244
SAMPLING METHOD:	5' Macrocore	LOCATION:	Queen Anne Sq., Newport
SCREENING INSTRUMENT:	OVM 580B	DATE:	7/17/12
DEPTH TO WATER:	Not encountered	LOGGED BY:	JD

RISER:	TYPE	DIAMETER	LENGTH	WELL SEAL:	HOLE DIA.: 2"
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SCREEN:	TYPE	SLOT	DIAMETER	LENGTH	SAND PACK:	TOTAL DEPTH: 2'
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SAMPLE NO.	DEPTH	SAMPLE RECOVERY	BLOW COUNT PER 6"	MOISTURE CONTENT	SCREENING RESULTS (ppm)	WELL CONSTRUCTION	SOILS DESCRIPTION
S-1	0	2'		Dry	ND		1" Grass/organics
	1					NO WELL INSTALLED	24" Light brown, fine and medium SAND with small cobbles, loose
	2						End of boring @ 2'
	3						
	4						
	5						
	6						
	7						
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SAGE ENVIRONMENTAL, INC. | **SOIL BORING / MONITOR WELL CONSTRUCTION LOG**

DRILLED BY:	Zebra Environmental	WELL NUMBER:	B-46
DRILLING METHOD:	7720DT Geoprobe	PROJECT NUMBER:	S2244
SAMPLING METHOD:	5' Macrocore	LOCATION:	Queen Anne Sq., Newport
SCREENING INSTRUMENT:	OVM 580B	DATE:	7/17/12
DEPTH TO WATER:	Not encountered	LOGGED BY:	JD

RISER:	TYPE	DIAMETER	LENGTH	WELL SEAL:	HOLE DIA.: 2"
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SCREEN:	TYPE	SLOT	DIAMETER	LENGTH	SAND PACK:	TOTAL DEPTH: 2'
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SAMPLE NO.	DEPTH	SAMPLE RECOVERY	BLOW COUNT PER 6"	MOISTURE CONTENT	SCREENING RESULTS (ppm)	WELL CONSTRUCTION	SOILS DESCRIPTION
S-1	0	2'		Dry	ND	NO WELL INSTALLED	1" Grass/organics
	1		24" Light brown, fine and medium SAND with small cobbles, trace brick, loose				
	2		End of boring @ 2'				
	3						
	4						
	5						
	6						
	7						
	8						
	9						
	10						
	11						
	12						
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	14						
	15						
	16						
	17						
	18						
	19						
	20						

SAGE ENVIRONMENTAL, INC. | **SOIL BORING / MONITOR WELL CONSTRUCTION LOG**

DRILLED BY:	Zebra Environmental	WELL NUMBER:	B-47
DRILLING METHOD:	7720DT Geoprobe	PROJECT NUMBER:	S2244
SAMPLING METHOD:	5' Macrocore	LOCATION:	Queen Anne Sq., Newport
SCREENING INSTRUMENT:	OVM 580B	DATE:	7/17/12
DEPTH TO WATER:	Not encountered	LOGGED BY:	JD

RISER:	TYPE	DIAMETER	LENGTH	WELL SEAL:	HOLE DIA.: 2"
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SCREEN:	TYPE	SLOT	DIAMETER	LENGTH	SAND PACK:	TOTAL DEPTH: 2'
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SAMPLE NO.	DEPTH	SAMPLE RECOVERY	BLOW COUNT PER 6"	MOISTURE CONTENT	SCREENING RESULTS (ppm)	WELL CONSTRUCTION	SOILS DESCRIPTION
	0						1" Grass/organics
S-1	1	2'		Dry	ND	NO WELL INSTALLED	24" Light brown, fine and medium SAND with small cobbles, trace brick, loose
	2						End of boring @ 2'
	3						
	4						
	5						
	6						
	7						
	8						
	9						
	10						
	11						
	12						
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	18						
	19						
	20						

DRILLED BY:	Zebra Environmental	WELL NUMBER:	B-48
DRILLING METHOD:	7720DT Geoprobe	PROJECT NUMBER:	S2244
SAMPLING METHOD:	5' Macrocore	LOCATION:	Queen Anne Sq., Newport
SCREENING INSTRUMENT:	OVM 580B	DATE:	7/17/12
DEPTH TO WATER:	Not encountered	LOGGED BY:	JD

RISER:	TYPE	DIAMETER	LENGTH	WELL SEAL:	HOLE DIA.: 2"
SCREEN:	TYPE	SLOT	DIAMETER	SAND PACK:	TOTAL DEPTH: 2'

SAMPLE NO.	DEPTH	SAMPLE RECOVERY	BLOW COUNT PER 6"	MOISTURE CONTENT	SCREENING RESULTS (ppm)	WELL CONSTRUCTION	SOILS DESCRIPTION
S-1	0	2'		Dry	ND	NO WELL INSTALLED	1" Grass/organics
	1		24" Light brown, fine and medium SAND with small cobbles, loose				
	2		End of boring @ 2'				
	3						
	4						
	5						
	6						
	7						
	8						
	9						
	10						
	11						
	12						
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	16						
	17						
	18						
	19						
	20						

DRILLED BY:	Zebra Environmental	WELL NUMBER:	B-49
DRILLING METHOD:	7720DT Geoprobe	PROJECT NUMBER:	S2244
SAMPLING METHOD:	5' Macrocore	LOCATION:	Queen Anne Sq., Newport
SCREENING INSTRUMENT:	OVM 580B	DATE:	7/17/12
DEPTH TO WATER:	Not encountered	LOGGED BY:	JD

RISER:	TYPE	DIAMETER	LENGTH	WELL SEAL:	HOLE DIA.: 2"
SCREEN:	TYPE	SLOT	DIAMETER	SAND PACK:	TOTAL DEPTH: 2'

SAMPLE NO.	DEPTH	SAMPLE RECOVERY	BLOW COUNT PER 6"	MOISTURE CONTENT	SCREENING RESULTS (ppm)	WELL CONSTRUCTION	SOILS DESCRIPTION
	0						1" Grass/organics
S-1	1	2'		Dry	ND	NO WELL INSTALLED	24" Light brown, fine and medium SAND with small cobbles, trace brick, loose
	2						End of boring @ 2'
	3						
	4						
	5						
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	20						

ATTACHMENT 4



REPORT OF ANALYTICAL RESULTS

NETLAB Case Number Y0119-20

SAGE Project : S2244

Prepared for:

Sage Environmental
172 Armistice Boulevard
Pawtucket, RI 02860

Report Date: January 25, 2012

Reviewed By:

Richard Warila
Laboratory Director

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue, North Providence, RI 02904

(401) 353-3420

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on January 19, 2012. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is Y0119-20.

Custody records are included in this report.

Site: S2244

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
B-6 S1	1/16/12	Soil	Table II
B-6 S4A	1/16/12	Soil	Table III
B-7 S1	1/16/12	Soil	Table II
B-8 S1	1/16/12	Soil	Table II
B-9 S1	1/16/12	Soil	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
PAH	3550C	8270D
Total Metals		
Antimony	3050B	6010C
Arsenic	3050B	6010C
Beryllium	3050B	6010C
Cadmium	3050B	6010C
Chromium	3050B	6010C
Copper	3050B	6010C
Lead	3050B	6010C
Mercury	NA	7471B
Nickel	3050B	6010C
Selenium	3050B	6010C
Silver	3050B	6010C
Thallium	3050B	7841
Zinc	3050B	6010C

TABLE III, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Volatile Organic Compounds With Library Search	5035	8260B
Total Petroleum Hydrocarbons	3550C	8100M
Total Metals Lead	3050B	6010C

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

CASE NARRATIVE:

Sample Receipt:

No trip blank was supplied unless it was identified in such a manner as to be un-interpretable by the laboratory. No field blank was supplied unless it was identified in such a manner as to be un-interpretable by the laboratory. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits).

The samples were all appropriately cooled and preserved upon receipt.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

Metals:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Semi-volatile Compounds:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

A modified compound list was reported at the request of the client.

Total Petroleum Hydrocarbons:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Volatile Organic Compounds:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Sample "B6-S4A" was analyzed by Method 8260B. A library search was performed in order to determine if additional compounds were present in the sample beyond those determined in the analytical report. The sample contained a large amount of petroleum product similar in composition to that of a kerosene fuel. N-propylbenzene, and N-butylbenzene, which are typically identified in this type of petroleum product, were reported; however the sample also contained high concentrations of the expected alkanes, alkenes, and aromatics normally found in fuel of this refinement.

Sample: B-6 S4A		Analyst's Initials:
Case No. Y0119-20		
Date Collected: 1/16/12		
Sample Matrix: Soil		
Subject: TPH		
Prep Method: EPA 3550C	Date Extracted	Date Analyzed
Analytical Method: EPA 8100 M	1/23/12	1/23/12
Compound	Concentration, mg/kg* (ppm)	Reporting Limit
Total Petroleum Hydrocarbons	110	25
Surrogates:		
Compound	% Recovery	Limits
Chlorooctadecane	128	62-151

*Dry Weight Basis

ND=Not Detected

METALS RESULTS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Metals Analysis Department certifies that the results included in this section have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

METALS RESULTS



Case Number: Y0119-20
 Sample ID: B-6 S1
 Date collected: 1/16/12
 Matrix: Soil
 Solids, %: 86.44
 Sample Type: Total

Analyst JC/DC

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	3050B	6010C	1.16	0.67	mg/kg	1/23/12	1/23/12
Arsenic	7440-38-2	3050B	6010C	2.92	0.67	mg/kg	1/23/12	1/23/12
Beryllium	7440-41-7	3050B	6010C	0.38	0.34	mg/kg	1/23/12	1/23/12
Cadmium	7440-43-9	3050B	6010C	0.76	0.34	mg/kg	1/23/12	1/23/12
Chromium	7440-47-3	3050B	6010C	8.92	0.34	mg/kg	1/23/12	1/23/12
Copper	7440-50-8	3050B	6010C	20.7	1.35	mg/kg	1/23/12	1/23/12
Lead	7439-92-1	3050B	6010C	230	0.34	mg/kg	1/23/12	1/23/12
Mercury	7439-97-6	NA	7471B	0.583	0.079	mg/kg	1/23/12	1/23/12
Nickel	7440-02-0	3050B	6010C	12.2	0.34	mg/kg	1/23/12	1/23/12
Selenium	7782-49-2	3050B	6010C	5.67	0.67	mg/kg	1/23/12	1/23/12
Silver	7440-22-4	3050B	6010C	ND	0.34	mg/kg	1/23/12	1/23/12
Thallium	7440-28-0	3050B	7010	ND	0.13	mg/kg	1/23/12	1/24/12
Zinc	7440-66-6	3050B	6010C	102	1.35	mg/kg	1/23/12	1/23/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Y0119-20
 Sample ID: B-6 S4A
 Date collected: 1/16/12
 Matrix: Soil
 Solids, %: 86.01
 Sample Type: Total

Analyst JC/DC

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Lead	7439-92-1	3050B	6010C	44.8	0.36	mg/kg	1/23/12	1/23/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Y0119-20
 Sample ID: B-7 S1
 Date collected: 1/16/12
 Matrix: Soil
 Solids, %: 87.46
 Sample Type: Total

Analyst JC/DC

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	3050B	6010C	2.26	0.88	mg/kg	1/23/12	1/23/12
Arsenic	7440-38-2	3050B	6010C	5.84	0.88	mg/kg	1/23/12	1/23/12
Beryllium	7440-41-7	3050B	6010C	0.53	0.44	mg/kg	1/23/12	1/23/12
Cadmium	7440-43-9	3050B	6010C	1.03	0.44	mg/kg	1/23/12	1/23/12
Chromium	7440-47-3	3050B	6010C	11.4	0.44	mg/kg	1/23/12	1/23/12
Copper	7440-50-8	3050B	6010C	49.0	1.77	mg/kg	1/23/12	1/23/12
Lead	7439-92-1	3050B	6010C	528	0.44	mg/kg	1/23/12	1/23/12
Mercury	7439-97-6	NA	7471B	0.444	0.080	mg/kg	1/23/12	1/23/12
Nickel	7440-02-0	3050B	6010C	14.3	0.44	mg/kg	1/23/12	1/23/12
Selenium	7782-49-2	3050B	6010C	7.03	0.88	mg/kg	1/23/12	1/23/12
Silver	7440-22-4	3050B	6010C	ND	0.44	mg/kg	1/23/12	1/23/12
Thallium	7440-28-0	3050B	7010	ND	0.18	mg/kg	1/23/12	1/24/12
Zinc	7440-66-6	3050B	6010C	227	1.77	mg/kg	1/23/12	1/23/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Y0119-20
 Sample ID: B-8 S1
 Date collected: 1/16/12
 Matrix: Soil
 Solids, %: 77.89
 Sample Type: Total

Analyst JC/DC

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	3050B	6010C	1.58	0.91	mg/kg	1/23/12	1/23/12
Arsenic	7440-38-2	3050B	6010C	3.90	0.91	mg/kg	1/23/12	1/23/12
Beryllium	7440-41-7	3050B	6010C	ND	0.46	mg/kg	1/23/12	1/23/12
Cadmium	7440-43-9	3050B	6010C	0.67	0.46	mg/kg	1/23/12	1/23/12
Chromium	7440-47-3	3050B	6010C	10.2	0.46	mg/kg	1/23/12	1/23/12
Copper	7440-50-8	3050B	6010C	12.3	1.82	mg/kg	1/23/12	1/23/12
Lead	7439-92-1	3050B	6010C	38.3	0.46	mg/kg	1/23/12	1/23/12
Mercury	7439-97-6	NA	7471B	0.876	0.090	mg/kg	1/23/12	1/23/12
Nickel	7440-02-0	3050B	6010C	11.6	0.46	mg/kg	1/23/12	1/23/12
Selenium	7782-49-2	3050B	6010C	5.74	0.91	mg/kg	1/23/12	1/23/12
Silver	7440-22-4	3050B	6010C	ND	0.46	mg/kg	1/23/12	1/23/12
Thallium	7440-28-0	3050B	7010	ND	0.18	mg/kg	1/23/12	1/24/12
Zinc	7440-66-6	3050B	6010C	43.7	1.82	mg/kg	1/23/12	1/23/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Y0119-20
 Sample ID: B-9 S1
 Date collected: 1/16/12
 Matrix: Soil
 Solids, %: 80.66
 Sample Type: Total

Analyst JC/DC

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	3050B	6010C	1.63	0.76	mg/kg	1/23/12	1/23/12
Arsenic	7440-38-2	3050B	6010C	5.96	0.76	mg/kg	1/23/12	1/23/12
Beryllium	7440-41-7	3050B	6010C	0.38	0.38	mg/kg	1/23/12	1/23/12
Cadmium	7440-43-9	3050B	6010C	1.09	0.38	mg/kg	1/23/12	1/23/12
Chromium	7440-47-3	3050B	6010C	9.43	0.38	mg/kg	1/23/12	1/23/12
Copper	7440-50-8	3050B	6010C	53.2	1.52	mg/kg	1/23/12	1/23/12
Lead	7439-92-1	3050B	6010C	799	0.38	mg/kg	1/23/12	1/23/12
Mercury	7439-97-6	NA	7471B	0.111	0.087	mg/kg	1/23/12	1/23/12
Nickel	7440-02-0	3050B	6010C	10.9	0.38	mg/kg	1/23/12	1/23/12
Selenium	7782-49-2	3050B	6010C	8.42	0.76	mg/kg	1/23/12	1/23/12
Silver	7440-22-4	3050B	6010C	ND	0.38	mg/kg	1/23/12	1/23/12
Thallium	7440-28-0	3050B	7010	ND	0.15	mg/kg	1/23/12	1/24/12
Zinc	7440-66-6	3050B	6010C	225	1.52	mg/kg	1/23/12	1/23/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Sample ID: Preparation Blank
 Matrix: SOIL
 Solids, %: 100
 Sample Type: Total

Analyst JC/DC

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Antimony	7440-36-0	3050B	6010C	ND	0.67	mg/kg	1/23/12	1/23/12
Arsenic	7440-38-2	3050B	6010C	ND	0.67	mg/kg	1/23/12	1/23/12
Beryllium	7440-41-7	3050B	6010C	ND	0.33	mg/kg	1/23/12	1/23/12
Cadmium	7440-43-9	3050B	6010C	ND	0.33	mg/kg	1/23/12	1/23/12
Chromium	7440-47-3	3050B	6010C	ND	0.33	mg/kg	1/23/12	1/23/12
Copper	7440-50-8	3050B	6010C	ND	1.33	mg/kg	1/23/12	1/23/12
Lead	7439-92-1	3050B	6010C	ND	0.33	mg/kg	1/23/12	1/23/12
Mercury	7439-97-6	NA	7471B	ND	0.067	mg/kg	1/23/12	1/23/12
Nickel	7440-02-0	3050B	6010C	ND	0.33	mg/kg	1/23/12	1/23/12
Selenium	7782-49-2	3050B	6010C	ND	0.67	mg/kg	1/23/12	1/23/12
Silver	7440-22-4	3050B	6010C	ND	0.33	mg/kg	1/23/12	1/23/12
Thallium	7440-28-0	3050B	7010	ND	0.13	mg/kg	1/23/12	1/24/12
Zinc	7440-66-6	3050B	6010C	ND	1.33	mg/kg	1/23/12	1/23/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

LABORATORY CONTROL SAMPLE RECOVERY

Parameter	True Value	Result	Units	Recovery, %	Internal		Date Analyzed
					LCL, %	UCL, %	
Antimony	66.7	68.1	mg/kg	102	80	120	1/23/12
Arsenic	13.3	13.4	mg/kg	101	80	108	1/23/12
Beryllium	13.3	13.6	mg/kg	102	80	115	1/23/12
Cadmium	66.7	63.4	mg/kg	95	80	110	1/23/12
Chromium	66.7	64.1	mg/kg	96	80	114	1/23/12
Copper	66.7	61.9	mg/kg	93	80	120	1/23/12
Lead	66.7	64.2	mg/kg	96	80	114	1/23/12
Mercury	0.133	0.124	mg/kg	93	80	120	1/23/12
Nickel	66.7	61.7	mg/kg	92	80	114	1/23/12
Selenium	13.3	13.2	mg/kg	99	80	111	1/23/12
Silver	33.3	33.1	mg/kg	99	80	120	1/23/12
Thallium	1.33	1.35	mg/kg	102	80	120	1/24/12
Zinc	66.7	62.7	mg/kg	94	80	112	1/23/12

RESULTS: SEMIVOLATILE ORGANIC COMPOUNDS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0119-20 Client Name: Sage Environmental
 Method: 8270 Lab Sample ID: B6 S1
 Matrix: (soil/water/air) SOIL Lab File ID: B012509.D
 Sample wt/vol: 20.622 (g/ml) G Date Sampled: 1/16/2012
 Level: (low/med) LOW Date Extracted: 1/24/2012
 % Moisture: 13.65 Date Analyzed: 1/25/2012
 Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0
 Injection Volume: 1.0 (uL)
 Analyst's Initials: _____

CAS NO.	COMPOUND	UNITS:	UG/KG	Q
91-20-3	Naphthalene		68	
91-57-6	2-Methylnaphthalene		56	U
208-96-8	Acenaphthylene		56	U
83-32-9	Acenaphthene		160	
132-64-9	Dibenzofuran		56	U
86-73-7	Fluorene		120	
85-01-8	Phenanthrene		1200	
120-12-7	Anthracene		290	
206-44-0	Fluoranthene		1700	
129-00-0	Pyrene		1500	
56-55-3	Benzo(a)anthracene		940	
218-01-9	Chrysene		1000	
205-99-2	Benzo(b)fluoranthene		1100	
207-08-9	Benzo(k)fluoranthene		470	
50-32-8	Benzo(a)pyrene		860	
193-39-5	Indeno(1,2,3-cd)pyrene		680	
53-70-3	Dibenz(a,h)anthracene		150	
191-24-2	Benzo(g,h,i)perylene		610	

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0119-20 Client Name: Sage Environmental
 Method: 8270 Lab Sample ID: B7 S1
 Matrix: (soil/water/air) SOIL Lab File ID: B012510.D
 Sample wt/vol: 20.627 (g/ml) G Date Sampled: 1/16/2012
 Level: (low/med) LOW Date Extracted: 1/24/2012
 % Moisture: 12.54 Date Analyzed: 1/25/2012
 Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0
 Injection Volume: 1.0 (uL)
 Analyst's Initials: _____

CAS NO.	COMPOUND	UNITS:	UG/KG	Q
91-20-3	Naphthalene		56	U
91-57-6	2-Methylnaphthalene		56	U
208-96-8	Acenaphthylene		56	U
83-32-9	Acenaphthene		56	U
132-64-9	Dibenzofuran		56	U
86-73-7	Fluorene		56	U
85-01-8	Phenanthrene		500	
120-12-7	Anthracene		66	
206-44-0	Fluoranthene		640	
129-00-0	Pyrene		800	
56-55-3	Benzo(a)anthracene		360	
218-01-9	Chrysene		490	
205-99-2	Benzo(b)fluoranthene		510	
207-08-9	Benzo(k)fluoranthene		190	
50-32-8	Benzo(a)pyrene		380	
193-39-5	Indeno(1,2,3-cd)pyrene		320	
53-70-3	Dibenz(a,h)anthracene		78	
191-24-2	Benzo(g,h,i)perylene		320	

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0119-20 Client Name: Sage Environmental
 Method: 8270 Lab Sample ID: B8 S1
 Matrix: (soil/water/air) SOIL Lab File ID: B012508.D
 Sample wt/vol: 20.311 (g/ml) G Date Sampled: 1/16/2012
 Level: (low/med) LOW Date Extracted: 1/24/2012
 % Moisture: 22.11 Date Analyzed: 1/25/2012
 Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0
 Injection Volume: 1.0 (uL)
 Analyst's Initials: _____

CAS NO.	COMPOUND	UNITS:	UG/KG	Q
91-20-3	Naphthalene		63	U
91-57-6	2-Methylnaphthalene		63	U
208-96-8	Acenaphthylene		63	U
83-32-9	Acenaphthene		63	U
132-64-9	Dibenzofuran		63	U
86-73-7	Fluorene		63	U
85-01-8	Phenanthrene		73	
120-12-7	Anthracene		63	U
206-44-0	Fluoranthene		180	
129-00-0	Pyrene		200	
56-55-3	Benzo(a)anthracene		84	
218-01-9	Chrysene		100	
205-99-2	Benzo(b)fluoranthene		130	
207-08-9	Benzo(k)fluoranthene		63	U
50-32-8	Benzo(a)pyrene		80	
193-39-5	Indeno(1,2,3-cd)pyrene		76	
53-70-3	Dibenz(a,h)anthracene		63	U
191-24-2	Benzo(g,h,i)perylene		63	U

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New England Testing Laboratory, Inc.

FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0119-20 Client Name: Sage Environmental
 Method: 8270 Lab Sample ID: B9 S1
 Matrix: (soil/water/air) SOIL Lab File ID: B012511.D
 Sample wt/vol: 20.705 (g/ml) G Date Sampled: 1/16/2012
 Level: (low/med) LOW Date Extracted: 1/24/2012
 % Moisture: 19.34 Date Analyzed: 1/25/2012
 Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0
 Injection Volume: 1.0 (uL)
 Analyst's Initials: _____

CAS NO.	COMPOUND	UNITS:	UG/KG	Q
91-20-3	Naphthalene		60	U
91-57-6	2-Methylnaphthalene		60	U
208-96-8	Acenaphthylene		60	U
83-32-9	Acenaphthene		60	U
132-64-9	Dibenzofuran		60	U
86-73-7	Fluorene		60	U
85-01-8	Phenanthrene		630	
120-12-7	Anthracene		85	
206-44-0	Fluoranthene		910	
129-00-0	Pyrene		940	
56-55-3	Benzo(a)anthracene		490	
218-01-9	Chrysene		610	
205-99-2	Benzo(b)fluoranthene		690	
207-08-9	Benzo(k)fluoranthene		220	
50-32-8	Benzo(a)pyrene		530	
193-39-5	Indeno(1,2,3-cd)pyrene		440	
53-70-3	Dibenz(a,h)anthracene		95	
191-24-2	Benzo(g,h,i)perylene		390	

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New England Testing Laboratory, Inc.

FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0119-20 Client Name: Sage Environmental
 Method: 8270 Lab Sample ID: BSS012412
 Matrix: (soil/water/air) SOIL Lab File ID: B012504.D
 Sample wt/vol: 20 (g/ml) G Date Sampled: 1/16/2012
 Level: (low/med) LOW Date Extracted: 1/24/2012
 % Moisture: 0 Date Analyzed: 1/25/2012
 Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0
 Injection Volume: 1.0 (uL)
 Analyst's Initials: _____

CAS NO.	COMPOUND	UNITS:	UG/KG	Q
91-20-3	Naphthalene	50	U	
91-57-6	2-Methylnaphthalene	50	U	
208-96-8	Acenaphthylene	50	U	
83-32-9	Acenaphthene	50	U	
132-64-9	Dibenzofuran	50	U	
86-73-7	Fluorene	50	U	
85-01-8	Phenanthrene	50	U	
120-12-7	Anthracene	50	U	
206-44-0	Fluoranthene	50	U	
129-00-0	Pyrene	50	U	
56-55-3	Benzo(a)anthracene	50	U	
218-01-9	Chrysene	50	U	
205-99-2	Benzo(b)fluoranthene	50	U	
207-08-9	Benzo(k)fluoranthene	50	U	
50-32-8	Benzo(a)pyrene	50	U	
193-39-5	Indeno(1,2,3-cd)pyrene	50	U	
53-70-3	Dibenz(a,h)anthracene	50	U	
191-24-2	Benzo(g,h,i)perylene	50	U	

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New England Testing Laboratory, Inc.

FORM I SV-1

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: New England Testing Laboratory Case No.: Y0119-20
 Lab Code: RI010 Client Name: Sage Environmental
 Level: (low/med) LOW

	Sample ID	S1 #	S2 #	S3 #	TOT OUT
01	BSS012412	64	65	52	0
02	LSS012412	71	74	92	0
03	B8 S1	59	62	77	0
04	B6 S1	73	85	82	0
05	B7 S1	82	82	98	0
06	B9 S1	92	93	95	0

QC LIMITS

S1 = Nitrobenzene-d5 (12-110)
 S2 = 2-Fluorobiphenyl (17-122)
 S3 = Terphenyl-d14 (10-139)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogate diluted out

New England Testing Laboratory, Inc.

Semivolatile Soil Laboratory Control Spike

Date Extracted: 1/24/2012

Date Analyzed: 1/25/2012

	Amount Spiked	Result,	Recovery	Lower Recovery	Upper Recovery
	ug/Kg	ug/Kg	%	Limit	Limit
Naphthalene	2500	1859	74	27	100
2-Methylnaphthalene	2500	1563	63	28	100
Acenaphthylene	2500	1694	68	35	109
Acenaphthene	2500	1853	74	32	108
Dibenzofuran	2500	1562	62	32	111
Fluorene	2500	1883	75	31	116
Phenanthrene	2500	1951	78	41	118
Anthracene	2500	1949	78	30	119
Fluoranthene	2500	2046	82	35	120
Pyrene	2500	2196	88	46	112
Benzo(a)anthracene	2500	2100	84	45	114
Chrysene	2500	1980	79	33	123
Benzo(b)fluoranthene	2500	2033	81	33	122
Benzo(k)fluoranthene	2500	2078	83	34	130
Benzo(a)pyrene	2500	2013	81	37	115
Indeno(1,2,3-cd)pyrene	2500	2104	84	27	143
Dibenz(a,h)anthracene	2500	2294	92	33	137
Benzo(g,h,i)perylene	2500	2244	90	16	152

RESULTS: VOLATILE ORGANIC COMPOUNDS

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VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0119-20 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B6-S4A
 Matrix: (soil/water) SOIL Lab File ID: C012429.D
 Sample wt/vol: 10.8 (g/ml) G Date Sampled: 1/16/2012
 % Moisture 13.99 Date Analyzed: 1/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: _____ Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
75-01-4	Vinyl Chloride	54	U
74-83-9	Bromomethane	54	U
75-00-3	Chloroethane	54	U
67-64-1	Acetone	270	U
75-35-4	1,1-Dichloroethene	54	U
75-15-0	Carbon Disulfide	54	U
75-09-2	Methylene Chloride	54	U
1634-04-4	tert-Butyl methyl ether	54	U
156-60-5	trans-1,2 Dichloroethene	54	U
75-34-3	1,1-Dichloroethane	54	U
78-93-3	2-Butanone	270	U
594-20-7	2,2-Dichloropropane	54	U
156-59-2	cis-1,2-Dichloroethene	54	U
67-66-3	Chloroform	54	U
74-97-5	Bromochloromethane	54	U
71-55-6	1,1,1-Trichloroethane	54	U
563-58-6	1,1-Dichloropropene	54	U
56-23-5	Carbon Tetrachloride	54	U
71-43-2	Benzene	54	U
107-06-2	1,2-Dichloroethane	54	U
79-01-6	Trichloroethene	54	U
78-87-5	1,2-Dichloropropane	54	U
75-27-4	Bromodichloromethane	54	U
74-95-3	Dibromomethane	54	U
108-10-1	4-Methyl-2-pentanone	270	U
106-93-4	Ethylene Dibromide	54	U
10061-01-5	cis-1,3-Dichloropropene	54	U
108-88-3	Toluene	54	U
10061-02-6	Trans-1,3-Dichloropropene	54	U
79-00-5	1,1,2-Trichloroethane	54	U
591-78-6	2-Hexanone	270	U
127-18-4	Tetrachloroethene	54	U
124-48-1	Chlorodibromomethane	54	U
108-90-7	Chlorobenzene	54	U
630-20-6	1,1,1,2-Tetrachloroethane	54	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0119-20 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B6-S4A
 Matrix: (soil/water) SOIL Lab File ID: C012429.D
 Sample wt/vol: 10.8 (g/ml) G Date Sampled: 1/16/2012
 % Moisture 13.99 Date Analyzed: 1/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: _____ Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
100-41-4	Ethylbenzene	54	U
1330-20-7	m & p-Xylene	110	U
95-47-6	o-Xylene	54	U
100-42-5	Styrene	54	U
75-25-2	Bromoform	54	U
98-82-8	Isopropylbenzene	54	U
79-34-5	1,1,2,2-Tetrachloroethane	54	U
108-86-1	Bromobenzene	54	U
96-18-4	1,2,3-Trichloropropane	54	U
95-49-8	2-Chlorotoluene	54	U
103-65-1	n-Propylbenzene	220	
108-67-8	1,3,5-Trimethylbenzene	54	U
106-43-4	4-Chlorotoluene	54	U
98-06-6	tert-Butylbenzene	54	U
95-63-6	1,2,4-Trimethylbenzene	54	U
135-98-8	sec-Butylbenzene	54	U
99-87-6	p-Isopropyltoluene	54	U
75-87-3	Chloromethane	54	U
75-65-0	tert butyl alcohol	54	U
541-73-1	1,3-Dichlorobenzene	54	U
109-99-9	Tetrahydrofuran	54	U
106-46-7	1,4-Dichlorobenzene	54	U
60-29-7	Diethyl Ether	54	U
104-51-8	n-Butylbenzene	760	
95-50-1	1,2-Dichlorobenzene	54	U
96-12-8	1,2-Dibromo-3-chloropropane	54	U
120-82-1	1,2,4-Trichlorobenzene	54	U
87-68-3	Hexachlorobutadiene	54	U
91-20-3	Naphthalene	54	U
87-61-6	1,2,3-Trichlorobenzene	54	U
994-05-8	Tert-amyl Methyl Ether	54	U
75-71-8	Dichlorodifluoromethane	54	U
142-28-9	1,3-Dichloropropane	54	U
75-69-4	Trichlorofluoromethane	54	U
637-92-3	Ethyl Tert-butyl ether	54	U

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New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0119-20 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B6-S4A
 Matrix: (soil/water) SOIL Lab File ID: C012429.D
 Sample wt/vol: 10.8 (g/ml) G Date Sampled: 1/16/2012
 % Moisture 13.99 Date Analyzed: 1/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: _____ Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
108-20-3	Diisopropyl Ether	54	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0119-20 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: VBLK012412
 Matrix: (soil/water) SOIL Lab File ID: C012416.D
 Sample wt/vol: 10.0 (g/ml) G Date Sampled: 1/16/2012
 % Moisture 0 Date Analyzed: 1/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: _____ Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
75-01-4	Vinyl Chloride	50	U
74-83-9	Bromomethane	50	U
75-00-3	Chloroethane	50	U
67-64-1	Acetone	250	U
75-35-4	1,1-Dichloroethene	50	U
75-15-0	Carbon Disulfide	50	U
75-09-2	Methylene Chloride	50	U
1634-04-4	tert-Butyl methyl ether	50	U
156-60-5	trans-1,2 Dichloroethene	50	U
75-34-3	1,1-Dichloroethane	50	U
78-93-3	2-Butanone	250	U
594-20-7	2,2-Dichloropropane	50	U
156-59-2	cis-1,2-Dichloroethene	50	U
67-66-3	Chloroform	50	U
74-97-5	Bromochloromethane	50	U
71-55-6	1,1,1-Trichloroethane	50	U
563-58-6	1,1-Dichloropropene	50	U
56-23-5	Carbon Tetrachloride	50	U
71-43-2	Benzene	50	U
107-06-2	1,2-Dichloroethane	50	U
79-01-6	Trichloroethene	50	U
78-87-5	1,2-Dichloropropane	50	U
75-27-4	Bromodichloromethane	50	U
74-95-3	Dibromomethane	50	U
108-10-1	4-Methyl-2-pentanone	250	U
106-93-4	Ethylene Dibromide	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
108-88-3	Toluene	50	U
10061-02-6	Trans-1,3-Dichloropropene	50	U
79-00-5	1,1,2-Trichloroethane	50	U
591-78-6	2-Hexanone	250	U
127-18-4	Tetrachloroethene	50	U
124-48-1	Chlorodibromomethane	50	U
108-90-7	Chlorobenzene	50	U
630-20-6	1,1,1,2-Tetrachloroethane	50	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0119-20 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: VBLK012412
 Matrix: (soil/water) SOIL Lab File ID: C012416.D
 Sample wt/vol: 10.0 (g/ml) G Date Sampled: 1/16/2012
 % Moisture 0 Date Analyzed: 1/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: _____ Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
100-41-4	Ethylbenzene	50	U
1330-20-7	m & p-Xylene	100	U
95-47-6	o-Xylene	50	U
100-42-5	Styrene	50	U
75-25-2	Bromoform	50	U
98-82-8	Isopropylbenzene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-86-1	Bromobenzene	50	U
96-18-4	1,2,3-Trichloropropane	50	U
95-49-8	2-Chlorotoluene	50	U
103-65-1	n-Propylbenzene	50	U
108-67-8	1,3,5-Trimethylbenzene	50	U
106-43-4	4-Chlorotoluene	50	U
98-06-6	tert-Butylbenzene	50	U
95-63-6	1,2,4-Trimethylbenzene	50	U
135-98-8	sec-Butylbenzene	50	U
99-87-6	p-Isopropyltoluene	50	U
75-87-3	Chloromethane	50	U
75-65-0	tert butyl alcohol	50	U
541-73-1	1,3-Dichlorobenzene	50	U
109-99-9	Tetrahydrofuran	50	U
106-46-7	1,4-Dichlorobenzene	50	U
60-29-7	Diethyl Ether	50	U
104-51-8	n-Butylbenzene	50	U
95-50-1	1,2-Dichlorobenzene	50	U
96-12-8	1,2-Dibromo-3-chloropropane	50	U
120-82-1	1,2,4-Trichlorobenzene	50	U
87-68-3	Hexachlorobutadiene	50	U
91-20-3	Naphthalene	50	U
87-61-6	1,2,3-Trichlorobenzene	50	U
994-05-8	Tert-amyl Methyl Ether	50	U
75-71-8	Dichlorodifluoromethane	50	U
142-28-9	1,3-Dichloropropane	50	U
75-69-4	Trichlorofluoromethane	50	U
637-92-3	Ethyl Tert-butyl ether	50	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0119-20 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: VBLK012412
 Matrix: (soil/water) SOIL Lab File ID: C012416.D
 Sample wt/vol: 10.0 (g/ml) G Date Sampled: 1/16/2012
 % Moisture 0 Date Analyzed: 1/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: _____ Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
108-20-3	Diisopropyl Ether	50	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: New England Testing Laboratory Contract: S2244

Lab Code: RI010 Case No.: Y0119-20 SAS No.: Sage E SDG No.: Sage Envi

Level: (low/med) MED

	EPA SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	TOT OUT
01	VLCS012412	95	98	98	0
02	VBLK012412	91	100	96	0
03	B6-S4A	121	104	95	0

QC LIMITS

SMC1 = 4-Bromofluorobenzene (70-130)
 SMC2 = Toluene-D8 (70-130)
 SMC3 = 1,2-Dichloroethane-D4 (70-130)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D System Monitoring Compound diluted out

New England Testing Laboratory, Inc.

Volatile Organics Laboratory Control Spike

Date Analyzed:01/24/2012

Sample ID: VLCS012412

Compound	Spike Added	Spike Result	Recovery, %	Lower Control Limit, %	Upper Control Limit, %
1,1-Dichloroethene	50.0	50.9	102	70	129
Benzene	50.0	55.7	111	73	129
Trichloroethene	50.0	50.5	101	77	122
Toluene	50.0	55.2	110	75	123
Chlorobenzene	50.0	56.2	112	73	125

1E
 Volatile Organics Analysis Data Sheet
 Tentatively Identified Compounds

lab Name: <u>New England Testing Lab</u>	Contract: <u>Sage Environmental</u>
Lab Code: <u>RI010</u> Case No. <u>Y0119-20</u>	Client: <u>Sage Environmental</u>
Matrix: (soil/water) <u>Soil</u>	Lab Sample ID: <u>Y0119-20</u>
Sample Vol. <u>10.75</u> (g/mL) <u>g</u>	Lab File ID: <u>C012429</u>
Level: (low/med) <u>med</u>	Date Received: <u>1/19/2012</u>
% Moisture: not dec. <u>13.99</u>	Date Analyzed: <u>1/24/2012</u>
GC Column: ID: _____ (mm)	Dilution Factor: <u>1</u>
Soil Extract Volume: _____ (uL)	Soil Aliquot Vol: (uL) _____

Number of TICs Found: 5 Concentration Units: (ug/L) ug/L

TIC No.	Compound Name	RT	Est. Conc.	Q
1	Heptane, 3-methyl-	3.76	3100	91
2	Cyclohexane, 1,3-dimethyl-, trans-	4.006	1900	91
3	Benzene, 1,2-diethyl	9.679	2000	93
4	Benzene, 1,2,4,5-tetramethyl	10.228	1300	94
5	Benzene, 1-methyl-4-(1-methylpropyl)	10.51	1700	91

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REPORT OF ANALYTICAL RESULTS

NETLAB Case Number Y0126-33

SAGE Project : S2244

Prepared for:

Sage Environmental
172 Armistice Boulevard
Pawtucket, RI 02860

Report Date: February 3, 2012

Reviewed By:

Richard Warila
Laboratory Director

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue, North Providence, RI 02904

(401) 353-3420

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on January 26, 2012. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is Y0126-33.

Custody records are included in this report.

Site: S2244

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
B-10 S1	1/23/12	Soil	Table II, III
B-11 S2	1/23/12	Soil	Table II, III
B-12 S1	1/23/12	Soil	Table II, III
B-14 S1	1/23/12	Soil	Table II, III
B-17 S1	1/23/12	Soil	Table II
B-17 S1B	1/23/12	Soil	Table III
B-19 S1	1/23/12	Soil	Table II
B-19 S1B	1/23/12	Soil	Table III
B-21 S1	1/23/12	Soil	Table II
B-21 S1B	1/23/12	Soil	Table III
B-21 S2B	1/23/12	Soil	Table IV, V
B-21 S3B	1/23/12	Soil	Table V
B-24 S1	1/24/12	Soil	Table II
B-24 S1B	1/24/12	Soil	Table III
B-25 S1	1/24/12	Soil	Table II
B-25 S2A	1/24/12	Soil	Table III
B-26 S1	1/24/12	Soil	Table II
B-26 S1B	1/24/12	Soil	Table III
B-27 S1	1/24/12	Soil	Table II
B-27 S1-C	1/24/12	Soil	Table III
B-28 S1	1/24/12	Soil	Table II
B-28 S1B	1/24/12	Soil	Table III
B-31 S1	1/24/12	Soil	Table II
B-31 S1B	1/24/12	Soil	Table III
B-32 S1	1/24/12	Soil	Table II
B-32 S1B	1/24/12	Soil	Table III
B-33 S1	1/24/12	Soil	Table II
B-33 S1B	1/24/12	Soil	Table III
B-34 S1	1/24/12	Soil	Table II
B-34 S1B	1/24/12	Soil	Table III
B-34 S2	1/24/12	Soil	Table V
B-35 S1	1/24/12	Soil	Table II
B-35 S1B	1/24/12	Soil	Table III

B-36 S1	1/24/12	Soil	Table II
B-36 S1C	1/24/12	Soil	Table III

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Total Metals		
Antimony	3050B	6010C
Arsenic	3050B	6010C
Beryllium	3050B	6010C
Cadmium	3050B	6010C
Chromium	3050B	6010C
Copper	3050B	6010C
Lead	3050B	6010C
Mercury	NA	7471B
Nickel	3050B	6010C
Selenium	3050B	6010C
Silver	3050B	6010C
Thallium	3050B	7841
Zinc	3050B	6010C

TABLE III, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
PAH	3550C	8270D

TABLE IV, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Total Petroleum Hydrocarbons	3550C	8100M

TABLE V, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Volatile Organic Compounds With Library Search	5035	8260B

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

CASE NARRATIVE:

Sample Receipt:

No trip blank was supplied unless it was identified in such a manner as to be un-interpretable by the laboratory. No field blank was supplied unless it was identified in such a manner as to be un-interpretable by the laboratory. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits).

The samples were all appropriately cooled and preserved upon receipt.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

Metals:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Semi-volatile Compounds:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

A modified compound list was reported at the request of the client.

Total Petroleum Hydrocarbons:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

The sample "B-21 S2B" exceeded the calibration range of the instrument and was analyzed at a dilution. As a result, the surrogate was diluted out. There were no other anomalies or non-conformances encountered.

Volatile Organic Compounds:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Percent moisture for sample "B21-S3B" was determined using the value for "B21-S1B." Sample "B21-S2B" was analyzed at a dilution due to foaming matrix, which resulted in elevated detection limits.

Samples "B21-S1B," " B21-S3B," and "B34 S2" were analyzed by Method 8260B. A library search was performed in order to determine if additional compounds were present in the sample beyond those determined in the analytical report. Samples "B21-S1B" and " B21-S3B" contained a large amount of petroleum product similar in composition to that of a kerosene fuel. The samples also contained high concentrations of the expected alkanes, alkenes, and aromatics normally found in fuel of this refinement.

Sample: B-21 S2B		Analyst's Initials: NS
Case No. Y0126-33		
Date Collected: 1/23/12		
Sample Matrix: Soil		
Subject: TPH		
Prep Method: EPA 3550C	Date Extracted	Date Analyzed
Analytical Method: EPA 8100 M	1/31/12	2/1/12
Compound	Concentration, mg/kg* (ppm)	Reporting Limit
Total Petroleum Hydrocarbons	13,200	861
Surrogates:		
Compound	% Recovery	Limits
Chlorooctadecane	Diluted out	62-151

*Dry Weight Basis

ND=Not Detected

METALS RESULTS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Metals Analysis Department certifies that the results included in this section have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

New England Testing Laboratory, Inc.

METALS RESULTS

Case Number: Y0126-33
 Sample ID: B-10 S1
 Date collected: 1/23/12
 Matrix: Soil
 Solids, %: 79.61
 Sample Type: Total

Analyst JC/DC

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	3050B	6010C	ND	0.95	mg/kg	1/31/12	1/31/12
Arsenic	7440-38-2	3050B	6010C	1.04	0.95	mg/kg	1/31/12	1/31/12
Beryllium	7440-41-7	3050B	6010C	ND	0.47	mg/kg	1/31/12	1/31/12
Cadmium	7440-43-9	3050B	6010C	ND	0.47	mg/kg	1/31/12	1/31/12
Chromium	7440-47-3	3050B	6010C	9.46	0.47	mg/kg	1/31/12	1/31/12
Copper	7440-50-8	3050B	6010C	11.5	1.90	mg/kg	1/31/12	1/31/12
Lead	7439-92-1	3050B	6010C	58.3	0.47	mg/kg	1/31/12	1/31/12
Mercury	7439-97-6	NA	7471B	0.434	0.096	mg/kg	2/1/12	2/1/12
Nickel	7440-02-0	3050B	6010C	10.2	0.47	mg/kg	1/31/12	1/31/12
Selenium	7782-49-2	3050B	6010C	2.58	0.95	mg/kg	1/31/12	1/31/12
Silver	7440-22-4	3050B	6010C	ND	0.47	mg/kg	1/31/12	1/31/12
Thallium	7440-28-0	3050B	7010	ND	0.19	mg/kg	1/31/12	2/1/12
Zinc	7440-66-6	3050B	6010C	64.6	1.90	mg/kg	1/31/12	1/31/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: Y0126-33
 Sample ID: B-11 S2
 Date collected: 1/23/12
 Matrix: Soil
 Solids, %: 88.33
 Sample Type: Total

Analyst JC/DC

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	3050B	6010C	1.22	0.70	mg/kg	1/31/12	1/31/12
Arsenic	7440-38-2	3050B	6010C	1.79	0.70	mg/kg	1/31/12	1/31/12
Beryllium	7440-41-7	3050B	6010C	0.46	0.35	mg/kg	1/31/12	1/31/12
Cadmium	7440-43-9	3050B	6010C	ND	0.35	mg/kg	1/31/12	1/31/12
Chromium	7440-47-3	3050B	6010C	9.06	0.35	mg/kg	1/31/12	1/31/12
Copper	7440-50-8	3050B	6010C	20.9	1.41	mg/kg	1/31/12	1/31/12
Lead	7439-92-1	3050B	6010C	7.30	0.35	mg/kg	1/31/12	1/31/12
Mercury	7439-97-6	NA	7471B	ND	0.069	mg/kg	2/1/12	2/1/12
Nickel	7440-02-0	3050B	6010C	16.0	0.35	mg/kg	1/31/12	1/31/12
Selenium	7782-49-2	3050B	6010C	6.55	0.70	mg/kg	1/31/12	1/31/12
Silver	7440-22-4	3050B	6010C	0.44	0.35	mg/kg	1/31/12	1/31/12
Thallium	7440-28-0	3050B	7010	ND	0.14	mg/kg	1/31/12	2/1/12
Zinc	7440-66-6	3050B	6010C	39.3	1.41	mg/kg	1/31/12	1/31/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: Y0126-33
 Sample ID: B-12 S1
 Date collected: 1/23/12
 Matrix: Soil
 Solids, %: 84.44
 Sample Type: Total

Analyst JC/DC

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	3050B	6010C	0.89	0.73	mg/kg	1/31/12	1/31/12
Arsenic	7440-38-2	3050B	6010C	3.05	0.73	mg/kg	1/31/12	1/31/12
Beryllium	7440-41-7	3050B	6010C	ND	0.37	mg/kg	1/31/12	1/31/12
Cadmium	7440-43-9	3050B	6010C	ND	0.37	mg/kg	1/31/12	1/31/12
Chromium	7440-47-3	3050B	6010C	8.34	0.37	mg/kg	1/31/12	1/31/12
Copper	7440-50-8	3050B	6010C	29.5	1.47	mg/kg	1/31/12	1/31/12
Lead	7439-92-1	3050B	6010C	347	0.37	mg/kg	1/31/12	1/31/12
Mercury	7439-97-6	NA	7471B	0.396	0.072	mg/kg	2/1/12	2/1/12
Nickel	7440-02-0	3050B	6010C	10.6	0.37	mg/kg	1/31/12	1/31/12
Selenium	7782-49-2	3050B	6010C	6.79	0.73	mg/kg	1/31/12	1/31/12
Silver	7440-22-4	3050B	6010C	ND	0.37	mg/kg	1/31/12	1/31/12
Thallium	7440-28-0	3050B	7010	ND	0.15	mg/kg	1/31/12	2/1/12
Zinc	7440-66-6	3050B	6010C	56.5	1.47	mg/kg	1/31/12	1/31/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: Y0126-33
 Sample ID: B-14 S1
 Date collected: 1/23/12
 Matrix: Soil
 Solids, %: 83.53
 Sample Type: Total

Analyst JC/DC

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	3050B	6010C	ND	0.73	mg/kg	1/31/12	1/31/12
Arsenic	7440-38-2	3050B	6010C	1.35	0.73	mg/kg	1/31/12	1/31/12
Beryllium	7440-41-7	3050B	6010C	ND	0.37	mg/kg	1/31/12	1/31/12
Cadmium	7440-43-9	3050B	6010C	ND	0.37	mg/kg	1/31/12	1/31/12
Chromium	7440-47-3	3050B	6010C	6.27	0.37	mg/kg	1/31/12	1/31/12
Copper	7440-50-8	3050B	6010C	26.7	1.47	mg/kg	1/31/12	1/31/12
Lead	7439-92-1	3050B	6010C	103	0.37	mg/kg	1/31/12	1/31/12
Mercury	7439-97-6	NA	7471B	0.215	0.087	mg/kg	2/1/12	2/1/12
Nickel	7440-02-0	3050B	6010C	8.58	0.37	mg/kg	1/31/12	1/31/12
Selenium	7782-49-2	3050B	6010C	7.79	0.73	mg/kg	1/31/12	1/31/12
Silver	7440-22-4	3050B	6010C	ND	0.37	mg/kg	1/31/12	1/31/12
Thallium	7440-28-0	3050B	7010	ND	0.15	mg/kg	1/31/12	2/1/12
Zinc	7440-66-6	3050B	6010C	50.1	1.47	mg/kg	1/31/12	1/31/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: Y0126-33
 Sample ID: B-17 S1
 Date collected: 1/23/12
 Matrix: Soil
 Solids, %: 88.51
 Sample Type: Total

Analyst JC/DC

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	3050B	6010C	1.21	0.86	mg/kg	1/31/12	1/31/12
Arsenic	7440-38-2	3050B	6010C	3.89	0.86	mg/kg	1/31/12	1/31/12
Beryllium	7440-41-7	3050B	6010C	ND	0.43	mg/kg	1/31/12	1/31/12
Cadmium	7440-43-9	3050B	6010C	ND	0.43	mg/kg	1/31/12	1/31/12
Chromium	7440-47-3	3050B	6010C	9.19	0.43	mg/kg	1/31/12	1/31/12
Copper	7440-50-8	3050B	6010C	28.4	1.73	mg/kg	1/31/12	1/31/12
Lead	7439-92-1	3050B	6010C	71.4	0.43	mg/kg	1/31/12	1/31/12
Mercury	7439-97-6	NA	7471B	0.129	0.080	mg/kg	2/1/12	2/1/12
Nickel	7440-02-0	3050B	6010C	14.4	0.43	mg/kg	1/31/12	1/31/12
Selenium	7782-49-2	3050B	6010C	5.81	0.86	mg/kg	1/31/12	1/31/12
Silver	7440-22-4	3050B	6010C	ND	0.43	mg/kg	1/31/12	1/31/12
Thallium	7440-28-0	3050B	7010	ND	0.17	mg/kg	1/31/12	2/1/12
Zinc	7440-66-6	3050B	6010C	57.2	1.73	mg/kg	1/31/12	1/31/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: Y0126-33
 Sample ID: B-19 S1
 Date collected: 1/23/12
 Matrix: Soil
 Solids, %: 86.06
 Sample Type: Total

Analyst JC/DC

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	3050B	6010C	ND	1.51	mg/kg	1/31/12	1/31/12
Arsenic	7440-38-2	3050B	6010C	4.94	1.51	mg/kg	1/31/12	1/31/12
Beryllium	7440-41-7	3050B	6010C	ND	0.76	mg/kg	1/31/12	1/31/12
Cadmium	7440-43-9	3050B	6010C	ND	0.76	mg/kg	1/31/12	1/31/12
Chromium	7440-47-3	3050B	6010C	10.0	0.76	mg/kg	1/31/12	1/31/12
Copper	7440-50-8	3050B	6010C	13.2	3.02	mg/kg	1/31/12	1/31/12
Lead	7439-92-1	3050B	6010C	14.3	0.76	mg/kg	1/31/12	1/31/12
Mercury	7439-97-6	NA	7471B	0.134	0.081	mg/kg	2/1/12	2/1/12
Nickel	7440-02-0	3050B	6010C	13.0	0.76	mg/kg	1/31/12	1/31/12
Selenium	7782-49-2	3050B	6010C	5.77	1.51	mg/kg	1/31/12	1/31/12
Silver	7440-22-4	3050B	6010C	ND	0.76	mg/kg	1/31/12	1/31/12
Thallium	7440-28-0	3050B	7010	ND	0.30	mg/kg	1/31/12	2/1/12
Zinc	7440-66-6	3050B	6010C	39.4	3.02	mg/kg	1/31/12	1/31/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: Y0126-33
 Sample ID: B-21 S1
 Date collected: 1/23/12
 Matrix: Soil
 Solids, %: 84.9
 Sample Type: Total

Analyst JC/DC

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	3050B	6010C	0.87	0.75	mg/kg	1/31/12	1/31/12
Arsenic	7440-38-2	3050B	6010C	2.67	0.75	mg/kg	1/31/12	1/31/12
Beryllium	7440-41-7	3050B	6010C	ND	0.37	mg/kg	1/31/12	1/31/12
Cadmium	7440-43-9	3050B	6010C	ND	0.37	mg/kg	1/31/12	1/31/12
Chromium	7440-47-3	3050B	6010C	8.25	0.37	mg/kg	1/31/12	1/31/12
Copper	7440-50-8	3050B	6010C	19.0	1.50	mg/kg	1/31/12	1/31/12
Lead	7439-92-1	3050B	6010C	105	0.37	mg/kg	1/31/12	1/31/12
Mercury	7439-97-6	NA	7471B	0.364	0.081	mg/kg	2/1/12	2/1/12
Nickel	7440-02-0	3050B	6010C	10.2	0.37	mg/kg	1/31/12	1/31/12
Selenium	7782-49-2	3050B	6010C	4.79	0.75	mg/kg	1/31/12	1/31/12
Silver	7440-22-4	3050B	6010C	ND	0.37	mg/kg	1/31/12	1/31/12
Thallium	7440-28-0	3050B	7010	ND	0.15	mg/kg	1/31/12	2/1/12
Zinc	7440-66-6	3050B	6010C	85.5	1.50	mg/kg	1/31/12	1/31/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: Y0126-33
 Sample ID: B-24 S1
 Date collected: 1/24/12
 Matrix: Soil
 Solids, %: 86.88
 Sample Type: Total

Analyst JC/DC

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	3050B	6010C	1.49	0.71	mg/kg	1/31/12	1/31/12
Arsenic	7440-38-2	3050B	6010C	4.12	0.71	mg/kg	1/31/12	1/31/12
Beryllium	7440-41-7	3050B	6010C	ND	0.36	mg/kg	1/31/12	1/31/12
Cadmium	7440-43-9	3050B	6010C	1.45	0.36	mg/kg	1/31/12	1/31/12
Chromium	7440-47-3	3050B	6010C	11.3	0.36	mg/kg	1/31/12	1/31/12
Copper	7440-50-8	3050B	6010C	721	1.42	mg/kg	1/31/12	1/31/12
Lead	7439-92-1	3050B	6010C	427	0.36	mg/kg	1/31/12	1/31/12
Mercury	7439-97-6	NA	7471B	0.287	0.079	mg/kg	2/1/12	2/1/12
Nickel	7440-02-0	3050B	6010C	18.5	0.36	mg/kg	1/31/12	1/31/12
Selenium	7782-49-2	3050B	6010C	6.16	0.71	mg/kg	1/31/12	1/31/12
Silver	7440-22-4	3050B	6010C	ND	0.36	mg/kg	1/31/12	1/31/12
Thallium	7440-28-0	3050B	7010	ND	0.14	mg/kg	1/31/12	2/1/12
Zinc	7440-66-6	3050B	6010C	363	1.42	mg/kg	1/31/12	1/31/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: Y0126-33
 Sample ID: B-25 S1
 Date collected: 1/24/12
 Matrix: Soil
 Solids, %: 84.59
 Sample Type: Total

Analyst JC/DC

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	3050B	6010C	1.13	0.92	mg/kg	1/31/12	1/31/12
Arsenic	7440-38-2	3050B	6010C	5.55	0.92	mg/kg	1/31/12	1/31/12
Beryllium	7440-41-7	3050B	6010C	ND	0.46	mg/kg	1/31/12	1/31/12
Cadmium	7440-43-9	3050B	6010C	0.60	0.46	mg/kg	1/31/12	1/31/12
Chromium	7440-47-3	3050B	6010C	10.1	0.46	mg/kg	1/31/12	1/31/12
Copper	7440-50-8	3050B	6010C	32.6	1.84	mg/kg	1/31/12	1/31/12
Lead	7439-92-1	3050B	6010C	249	0.46	mg/kg	1/31/12	1/31/12
Mercury	7439-97-6	NA	7471B	0.452	0.076	mg/kg	2/1/12	2/1/12
Nickel	7440-02-0	3050B	6010C	13.5	0.46	mg/kg	1/31/12	1/31/12
Selenium	7782-49-2	3050B	6010C	8.32	0.92	mg/kg	1/31/12	1/31/12
Silver	7440-22-4	3050B	6010C	ND	0.46	mg/kg	1/31/12	1/31/12
Thallium	7440-28-0	3050B	7010	ND	0.18	mg/kg	1/31/12	2/1/12
Zinc	7440-66-6	3050B	6010C	242	1.84	mg/kg	1/31/12	1/31/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: Y0126-33
 Sample ID: B-26 S1
 Date collected: 1/24/12
 Matrix: Soil
 Solids, %: 90.25
 Sample Type: Total

Analyst JC/DC

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	3050B	6010C	0.85	0.65	mg/kg	1/31/12	1/31/12
Arsenic	7440-38-2	3050B	6010C	4.38	0.65	mg/kg	1/31/12	1/31/12
Beryllium	7440-41-7	3050B	6010C	ND	0.32	mg/kg	1/31/12	1/31/12
Cadmium	7440-43-9	3050B	6010C	0.41	0.32	mg/kg	1/31/12	1/31/12
Chromium	7440-47-3	3050B	6010C	7.8	0.32	mg/kg	1/31/12	1/31/12
Copper	7440-50-8	3050B	6010C	20.6	1.29	mg/kg	1/31/12	1/31/12
Lead	7439-92-1	3050B	6010C	185	0.32	mg/kg	1/31/12	1/31/12
Mercury	7439-97-6	NA	7471B	0.196	0.079	mg/kg	2/1/12	2/1/12
Nickel	7440-02-0	3050B	6010C	11.5	0.32	mg/kg	1/31/12	1/31/12
Selenium	7782-49-2	3050B	6010C	4.64	0.65	mg/kg	1/31/12	1/31/12
Silver	7440-22-4	3050B	6010C	ND	0.32	mg/kg	1/31/12	1/31/12
Thallium	7440-28-0	3050B	7010	ND	0.13	mg/kg	1/31/12	2/1/12
Zinc	7440-66-6	3050B	6010C	99.6	1.29	mg/kg	1/31/12	1/31/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: Y0126-33
 Sample ID: B-27 S1
 Date collected: 1/24/12
 Matrix: Soil
 Solids, %: 91.08
 Sample Type: Total

Analyst JC/DC

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	3050B	6010C	ND	0.79	mg/kg	1/31/12	1/31/12
Arsenic	7440-38-2	3050B	6010C	1.33	0.79	mg/kg	1/31/12	1/31/12
Beryllium	7440-41-7	3050B	6010C	ND	0.39	mg/kg	1/31/12	1/31/12
Cadmium	7440-43-9	3050B	6010C	ND	0.39	mg/kg	1/31/12	1/31/12
Chromium	7440-47-3	3050B	6010C	3.35	0.39	mg/kg	1/31/12	1/31/12
Copper	7440-50-8	3050B	6010C	7.07	1.58	mg/kg	1/31/12	1/31/12
Lead	7439-92-1	3050B	6010C	26.7	0.39	mg/kg	1/31/12	1/31/12
Mercury	7439-97-6	NA	7471B	ND	0.079	mg/kg	2/1/12	2/1/12
Nickel	7440-02-0	3050B	6010C	5.15	0.39	mg/kg	1/31/12	1/31/12
Selenium	7782-49-2	3050B	6010C	3.54	0.79	mg/kg	1/31/12	1/31/12
Silver	7440-22-4	3050B	6010C	ND	0.39	mg/kg	1/31/12	1/31/12
Thallium	7440-28-0	3050B	7010	ND	0.16	mg/kg	1/31/12	2/1/12
Zinc	7440-66-6	3050B	6010C	22.1	1.58	mg/kg	1/31/12	1/31/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: Y0126-33
 Sample ID: B-28 S1
 Date collected: 1/24/12
 Matrix: Soil
 Solids, %: 81.32
 Sample Type: Total

Analyst JC/DC

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	3050B	6010C	1.07	0.90	mg/kg	1/31/12	1/31/12
Arsenic	7440-38-2	3050B	6010C	5.54	0.90	mg/kg	1/31/12	1/31/12
Beryllium	7440-41-7	3050B	6010C	ND	0.45	mg/kg	1/31/12	1/31/12
Cadmium	7440-43-9	3050B	6010C	ND	0.45	mg/kg	1/31/12	1/31/12
Chromium	7440-47-3	3050B	6010C	12.3	0.45	mg/kg	1/31/12	1/31/12
Copper	7440-50-8	3050B	6010C	13.1	1.79	mg/kg	1/31/12	1/31/12
Lead	7439-92-1	3050B	6010C	58.3	0.45	mg/kg	1/31/12	1/31/12
Mercury	7439-97-6	NA	7471B	0.105	0.088	mg/kg	2/1/12	2/1/12
Nickel	7440-02-0	3050B	6010C	10.4	0.45	mg/kg	1/31/12	1/31/12
Selenium	7782-49-2	3050B	6010C	7.02	0.90	mg/kg	1/31/12	1/31/12
Silver	7440-22-4	3050B	6010C	ND	0.45	mg/kg	1/31/12	1/31/12
Thallium	7440-28-0	3050B	7010	ND	0.18	mg/kg	1/31/12	2/1/12
Zinc	7440-66-6	3050B	6010C	45.3	1.79	mg/kg	1/31/12	1/31/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: Y0126-33
 Sample ID: B-31 S1
 Date collected: 1/24/12
 Matrix: Soil
 Solids, %: 83.97
 Sample Type: Total

Analyst JC/DC

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	3050B	6010C	1.35	0.86	mg/kg	1/31/12	1/31/12
Arsenic	7440-38-2	3050B	6010C	4.90	0.86	mg/kg	1/31/12	1/31/12
Beryllium	7440-41-7	3050B	6010C	ND	0.43	mg/kg	1/31/12	1/31/12
Cadmium	7440-43-9	3050B	6010C	0.97	0.43	mg/kg	1/31/12	1/31/12
Chromium	7440-47-3	3050B	6010C	10.1	0.43	mg/kg	1/31/12	1/31/12
Copper	7440-50-8	3050B	6010C	53.4	1.72	mg/kg	1/31/12	1/31/12
Lead	7439-92-1	3050B	6010C	683	0.43	mg/kg	1/31/12	1/31/12
Mercury	7439-97-6	NA	7471B	1.57	0.402	mg/kg	2/1/12	2/1/12
Nickel	7440-02-0	3050B	6010C	11.9	0.43	mg/kg	1/31/12	1/31/12
Selenium	7782-49-2	3050B	6010C	7.26	0.86	mg/kg	1/31/12	1/31/12
Silver	7440-22-4	3050B	6010C	ND	0.43	mg/kg	1/31/12	1/31/12
Thallium	7440-28-0	3050B	7010	ND	0.17	mg/kg	1/31/12	2/1/12
Zinc	7440-66-6	3050B	6010C	482	1.72	mg/kg	1/31/12	1/31/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: Y0126-33
 Sample ID: B-32 S1
 Date collected: 1/24/12
 Matrix: Soil
 Solids, %: 83.97
 Sample Type: Total

Analyst JC/DC

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	3050B	6010C	ND	0.68	mg/kg	1/31/12	1/31/12
Arsenic	7440-38-2	3050B	6010C	1.05	0.68	mg/kg	1/31/12	1/31/12
Beryllium	7440-41-7	3050B	6010C	ND	0.34	mg/kg	1/31/12	1/31/12
Cadmium	7440-43-9	3050B	6010C	0.73	0.34	mg/kg	1/31/12	1/31/12
Chromium	7440-47-3	3050B	6010C	3.67	0.34	mg/kg	1/31/12	1/31/12
Copper	7440-50-8	3050B	6010C	44.9	1.37	mg/kg	1/31/12	1/31/12
Lead	7439-92-1	3050B	6010C	596	0.34	mg/kg	1/31/12	1/31/12
Mercury	7439-97-6	NA	7471B	0.729	0.075	mg/kg	2/1/12	2/1/12
Nickel	7440-02-0	3050B	6010C	11.9	0.34	mg/kg	1/31/12	1/31/12
Selenium	7782-49-2	3050B	6010C	2.67	0.68	mg/kg	1/31/12	1/31/12
Silver	7440-22-4	3050B	6010C	0.50	0.34	mg/kg	1/31/12	1/31/12
Thallium	7440-28-0	3050B	7010	ND	0.14	mg/kg	1/31/12	2/1/12
Zinc	7440-66-6	3050B	6010C	611	1.37	mg/kg	1/31/12	1/31/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: Y0126-33
 Sample ID: B-33 S1
 Date collected: 1/24/12
 Matrix: Soil
 Solids, %: 82.77
 Sample Type: Total

Analyst JC/DC

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	3050B	6010C	0.97	0.85	mg/kg	1/31/12	1/31/12
Arsenic	7440-38-2	3050B	6010C	5.26	0.85	mg/kg	1/31/12	1/31/12
Beryllium	7440-41-7	3050B	6010C	ND	0.42	mg/kg	1/31/12	1/31/12
Cadmium	7440-43-9	3050B	6010C	ND	0.42	mg/kg	1/31/12	1/31/12
Chromium	7440-47-3	3050B	6010C	8.93	0.42	mg/kg	1/31/12	1/31/12
Copper	7440-50-8	3050B	6010C	15.1	1.69	mg/kg	1/31/12	1/31/12
Lead	7439-92-1	3050B	6010C	201	0.42	mg/kg	1/31/12	1/31/12
Mercury	7439-97-6	NA	7471B	0.085	0.083	mg/kg	2/1/12	2/1/12
Nickel	7440-02-0	3050B	6010C	8.96	0.42	mg/kg	1/31/12	1/31/12
Selenium	7782-49-2	3050B	6010C	4.80	0.85	mg/kg	1/31/12	1/31/12
Silver	7440-22-4	3050B	6010C	ND	0.42	mg/kg	1/31/12	1/31/12
Thallium	7440-28-0	3050B	7010	ND	0.17	mg/kg	1/31/12	2/1/12
Zinc	7440-66-6	3050B	6010C	56.3	1.69	mg/kg	1/31/12	1/31/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: Y0126-33
 Sample ID: B-34 S1
 Date collected: 1/24/12
 Matrix: Soil
 Solids, %: 93.47
 Sample Type: Total

Analyst JC/DC

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	3050B	6010C	ND	0.67	mg/kg	1/31/12	1/31/12
Arsenic	7440-38-2	3050B	6010C	2.09	0.67	mg/kg	1/31/12	1/31/12
Beryllium	7440-41-7	3050B	6010C	ND	0.34	mg/kg	1/31/12	1/31/12
Cadmium	7440-43-9	3050B	6010C	ND	0.34	mg/kg	1/31/12	1/31/12
Chromium	7440-47-3	3050B	6010C	4.89	0.34	mg/kg	1/31/12	1/31/12
Copper	7440-50-8	3050B	6010C	7.51	1.35	mg/kg	1/31/12	1/31/12
Lead	7439-92-1	3050B	6010C	38.2	0.34	mg/kg	1/31/12	1/31/12
Mercury	7439-97-6	NA	7471B	ND	0.076	mg/kg	2/1/12	2/1/12
Nickel	7440-02-0	3050B	6010C	3.67	0.34	mg/kg	1/31/12	1/31/12
Selenium	7782-49-2	3050B	6010C	2.48	0.67	mg/kg	1/31/12	1/31/12
Silver	7440-22-4	3050B	6010C	ND	0.34	mg/kg	1/31/12	1/31/12
Thallium	7440-28-0	3050B	7010	ND	0.13	mg/kg	1/31/12	2/1/12
Zinc	7440-66-6	3050B	6010C	32.5	1.35	mg/kg	1/31/12	1/31/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: Y0126-33
 Sample ID: B-35 S1
 Date collected: 1/24/12
 Matrix: Soil
 Solids, %: 81.52
 Sample Type: Total

Analyst JC/DC

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	3050B	6010C	ND	0.91	mg/kg	1/31/12	1/31/12
Arsenic	7440-38-2	3050B	6010C	3.06	0.91	mg/kg	1/31/12	1/31/12
Beryllium	7440-41-7	3050B	6010C	ND	0.45	mg/kg	1/31/12	1/31/12
Cadmium	7440-43-9	3050B	6010C	ND	0.45	mg/kg	1/31/12	1/31/12
Chromium	7440-47-3	3050B	6010C	5.80	0.45	mg/kg	1/31/12	1/31/12
Copper	7440-50-8	3050B	6010C	6.61	1.81	mg/kg	1/31/12	1/31/12
Lead	7439-92-1	3050B	6010C	30.2	0.45	mg/kg	1/31/12	1/31/12
Mercury	7439-97-6	NA	7471B	0.18	0.088	mg/kg	2/1/12	2/1/12
Nickel	7440-02-0	3050B	6010C	5.04	0.45	mg/kg	1/31/12	1/31/12
Selenium	7782-49-2	3050B	6010C	1.47	0.91	mg/kg	1/31/12	1/31/12
Silver	7440-22-4	3050B	6010C	ND	0.45	mg/kg	1/31/12	1/31/12
Thallium	7440-28-0	3050B	7010	ND	0.18	mg/kg	1/31/12	2/1/12
Zinc	7440-66-6	3050B	6010C	43.2	1.81	mg/kg	1/31/12	1/31/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: Y0126-33
 Sample ID: B-36 S1
 Date collected: 1/24/12
 Matrix: Soil
 Solids, %: 86.47
 Sample Type: Total

Analyst JC/DC

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	3050B	6010C	1.58	0.75	mg/kg	1/31/12	1/31/12
Arsenic	7440-38-2	3050B	6010C	19.8	0.75	mg/kg	1/31/12	1/31/12
Beryllium	7440-41-7	3050B	6010C	0.38	0.37	mg/kg	1/31/12	1/31/12
Cadmium	7440-43-9	3050B	6010C	ND	0.37	mg/kg	1/31/12	1/31/12
Chromium	7440-47-3	3050B	6010C	11.6	0.37	mg/kg	1/31/12	1/31/12
Copper	7440-50-8	3050B	6010C	44.1	1.50	mg/kg	1/31/12	1/31/12
Lead	7439-92-1	3050B	6010C	328	0.37	mg/kg	1/31/12	1/31/12
Mercury	7439-97-6	NA	7471B	3.42	0.396	mg/kg	2/1/12	2/1/12
Nickel	7440-02-0	3050B	6010C	11.0	0.37	mg/kg	1/31/12	1/31/12
Selenium	7782-49-2	3050B	6010C	6.14	0.75	mg/kg	1/31/12	1/31/12
Silver	7440-22-4	3050B	6010C	1.83	0.37	mg/kg	1/31/12	1/31/12
Thallium	7440-28-0	3050B	7010	ND	0.15	mg/kg	1/31/12	2/1/12
Zinc	7440-66-6	3050B	6010C	128	1.50	mg/kg	1/31/12	1/31/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS

Sample ID: Preparation Blank
 Matrix: SOIL
 Solids, %: 100
 Sample Type: Total

Analyst JC/DC

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Antimony	7440-36-0	3050B	6010C	ND	0.67	mg/kg	1/31/12	1/31/12
Arsenic	7440-38-2	3050B	6010C	ND	0.67	mg/kg	1/31/12	1/31/12
Beryllium	7440-41-7	3050B	6010C	ND	0.33	mg/kg	1/31/12	1/31/12
Cadmium	7440-43-9	3050B	6010C	ND	0.33	mg/kg	1/31/12	1/31/12
Chromium	7440-47-3	3050B	6010C	ND	0.33	mg/kg	1/31/12	1/31/12
Copper	7440-50-8	3050B	6010C	ND	1.33	mg/kg	1/31/12	1/31/12
Lead	7439-92-1	3050B	6010C	ND	0.33	mg/kg	1/31/12	1/31/12
Mercury	7439-97-6	NA	7471B	ND	0.067	mg/kg	2/1/12	2/1/12
Nickel	7440-02-0	3050B	6010C	ND	0.33	mg/kg	1/31/12	1/31/12
Selenium	7782-49-2	3050B	6010C	ND	0.67	mg/kg	1/31/12	1/31/12
Silver	7440-22-4	3050B	6010C	ND	0.33	mg/kg	1/31/12	1/31/12
Thallium	7440-28-0	3050B	7010	ND	0.13	mg/kg	1/31/12	2/1/12
Zinc	7440-66-6	3050B	6010C	ND	1.33	mg/kg	1/31/12	1/31/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

LABORATORY CONTROL SAMPLE RECOVERY

Parameter	True Value	Result	Units	Recovery, %	Internal		Date Analyzed
					LCL, %	UCL, %	
Antimony	66.7	63.7	mg/kg	95	80	120	1/31/12
Arsenic	13.3	12.8	mg/kg	96	80	108	1/31/12
Beryllium	13.3	12.5	mg/kg	94	80	115	1/31/12
Cadmium	66.7	61.2	mg/kg	92	80	110	1/31/12
Chromium	66.7	62.0	mg/kg	93	80	114	1/31/12
Copper	66.7	63.2	mg/kg	95	80	120	1/31/12
Lead	66.7	64.1	mg/kg	96	80	114	1/31/12
Mercury	0.133	0.143	mg/kg	107	80	120	2/1/12
Nickel	66.7	60.7	mg/kg	91	80	114	1/31/12
Selenium	13.3	12.6	mg/kg	94	80	111	1/31/12
Silver	33.3	31.5	mg/kg	95	80	120	1/31/12
Thallium	1.33	1.23	mg/kg	92	80	120	2/1/12
Zinc	66.7	62.7	mg/kg	94	80	112	1/31/12

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RESULTS: SEMIVOLATILE ORGANIC COMPOUNDS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0126-33 Client Name: Sage Environmental
 Method: 8270 Lab Sample ID: B-10 S1
 Matrix: (soil/water/air) SOIL Lab File ID: B013020.D
 Sample wt/vol: 20.299 (g/ml) G Date Sampled: 1/23/2012
 Level: (low/med) LOW Date Extracted: 1/30/2012
 % Moisture: 19.23 Date Analyzed: 1/30/2012
 Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0
 Injection Volume: 1.0 (uL)
 Analyst's Initials: _____

CAS NO.	COMPOUND	UNITS:	UG/KG	Q
91-20-3	Naphthalene		63	
91-57-6	2-Methylnaphthalene		61	U
208-96-8	Acenaphthylene		100	
83-32-9	Acenaphthene		170	
132-64-9	Dibenzofuran		140	
86-73-7	Fluorene		180	
85-01-8	Phenanthrene		2200	
120-12-7	Anthracene		450	
206-44-0	Fluoranthene		2100	
129-00-0	Pyrene		2200	
56-55-3	Benzo(a)anthracene		1100	
218-01-9	Chrysene		1300	
205-99-2	Benzo(b)fluoranthene		1500	
207-08-9	Benzo(k)fluoranthene		400	
50-32-8	Benzo(a)pyrene		1100	
193-39-5	Indeno(1,2,3-cd)pyrene		760	
53-70-3	Dibenz(a,h)anthracene		210	
191-24-2	Benzo(g,h,i)perylene		670	

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

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FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0126-33 Client Name: Sage Environmental
 Method: 8270 Lab Sample ID: B-11 S2
 Matrix: (soil/water/air) SOIL Lab File ID: B013006.D
 Sample wt/vol: 20.531 (g/ml) G Date Sampled: 1/23/2012
 Level: (low/med) LOW Date Extracted: 1/30/2012
 % Moisture: 10.5 Date Analyzed: 1/30/2012
 Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0
 Injection Volume: 1.0 (uL)
 Analyst's Initials: _____

CAS NO.	COMPOUND	UNITS:	UG/KG	Q
91-20-3	Naphthalene		55	U
91-57-6	2-Methylnaphthalene		55	U
208-96-8	Acenaphthylene		55	U
83-32-9	Acenaphthene		55	U
132-64-9	Dibenzofuran		55	U
86-73-7	Fluorene		55	U
85-01-8	Phenanthrene		55	U
120-12-7	Anthracene		55	U
206-44-0	Fluoranthene		55	U
129-00-0	Pyrene		55	U
56-55-3	Benzo(a)anthracene		55	U
218-01-9	Chrysene		55	U
205-99-2	Benzo(b)fluoranthene		55	U
207-08-9	Benzo(k)fluoranthene		55	U
50-32-8	Benzo(a)pyrene		55	U
193-39-5	Indeno(1,2,3-cd)pyrene		55	U
53-70-3	Dibenz(a,h)anthracene		55	U
191-24-2	Benzo(g,h,i)perylene		55	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

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FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0126-33 Client Name: Sage Environmental
 Method: 8270 Lab Sample ID: B-12 S1
 Matrix: (soil/water/air) SOIL Lab File ID: B013019.D
 Sample wt/vol: 20.327 (g/ml) G Date Sampled: 1/23/2012
 Level: (low/med) LOW Date Extracted: 1/30/2012
 % Moisture: 14.07 Date Analyzed: 1/30/2012
 Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0
 Injection Volume: 1.0 (uL)
 Analyst's Initials: _____

CAS NO.	COMPOUND	UNITS:	UG/KG	Q
91-20-3	Naphthalene		57	U
91-57-6	2-Methylnaphthalene		57	U
208-96-8	Acenaphthylene		130	
83-32-9	Acenaphthene		57	U
132-64-9	Dibenzofuran		57	U
86-73-7	Fluorene		57	U
85-01-8	Phenanthrene		560	
120-12-7	Anthracene		110	
206-44-0	Fluoranthene		990	
129-00-0	Pyrene		1200	
56-55-3	Benzo(a)anthracene		660	
218-01-9	Chrysene		730	
205-99-2	Benzo(b)fluoranthene		1100	
207-08-9	Benzo(k)fluoranthene		430	
50-32-8	Benzo(a)pyrene		950	
193-39-5	Indeno(1,2,3-cd)pyrene		950	
53-70-3	Dibenz(a,h)anthracene		220	
191-24-2	Benzo(g,h,i)perylene		920	

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

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FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0126-33 Client Name: Sage Environmental
 Method: 8270 Lab Sample ID: B-14 S1
 Matrix: (soil/water/air) SOIL Lab File ID: B013009.D
 Sample wt/vol: 20.123 (g/ml) G Date Sampled: 1/23/2012
 Level: (low/med) LOW Date Extracted: 1/30/2012
 % Moisture: 17.73 Date Analyzed: 1/30/2012
 Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0
 Injection Volume: 1.0 (uL)
 Analyst's Initials: _____

CAS NO.	COMPOUND	UNITS:	UG/KG	Q
91-20-3	Naphthalene	61	U	
91-57-6	2-Methylnaphthalene	61	U	
208-96-8	Acenaphthylene	61	U	
83-32-9	Acenaphthene	61	U	
132-64-9	Dibenzofuran	61	U	
86-73-7	Fluorene	61	U	
85-01-8	Phenanthrene	61	U	
120-12-7	Anthracene	61	U	
206-44-0	Fluoranthene	61	U	
129-00-0	Pyrene	61	U	
56-55-3	Benzo(a)anthracene	61	U	
218-01-9	Chrysene	61	U	
205-99-2	Benzo(b)fluoranthene	61	U	
207-08-9	Benzo(k)fluoranthene	61	U	
50-32-8	Benzo(a)pyrene	61	U	
193-39-5	Indeno(1,2,3-cd)pyrene	61	U	
53-70-3	Dibenz(a,h)anthracene	61	U	
191-24-2	Benzo(g,h,i)perylene	61	U	

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0126-33 Client Name: Sage Environmental
 Method: 8270 Lab Sample ID: B-17 S1B
 Matrix: (soil/water/air) SOIL Lab File ID: B013115.D
 Sample wt/vol: 20.553 (g/ml) G Date Sampled: 1/23/2012
 Level: (low/med) LOW Date Extracted: 1/30/2012
 % Moisture: 11.63 Date Analyzed: 1/31/2012
 Concentrated Extract Volume: 1000 (uL) Dilution Factor: 5.0
 Injection Volume: 1.0 (uL)
 Analyst's Initials: _____

CAS NO.	COMPOUND	UNITS:	UG/KG	Q
91-20-3	Naphthalene		2600	
91-57-6	2-Methylnaphthalene		920	
208-96-8	Acenaphthylene		280	U
83-32-9	Acenaphthene		3400	
132-64-9	Dibenzofuran		2200	
86-73-7	Fluorene		3400	
85-01-8	Phenanthrene		22000	
120-12-7	Anthracene		6700	
206-44-0	Fluoranthene		20000	
129-00-0	Pyrene		17000	
56-55-3	Benzo(a)anthracene		11000	
218-01-9	Chrysene		12000	
205-99-2	Benzo(b)fluoranthene		11000	
207-08-9	Benzo(k)fluoranthene		3500	
50-32-8	Benzo(a)pyrene		8900	
193-39-5	Indeno(1,2,3-cd)pyrene		5900	
53-70-3	Dibenz(a,h)anthracene		1800	
191-24-2	Benzo(g,h,i)perylene		4800	

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0126-33 Client Name: Sage Environmental
 Method: 8270 Lab Sample ID: B-19 S1B
 Matrix: (soil/water/air) SOIL Lab File ID: B013012.D
 Sample wt/vol: 20.349 (g/ml) G Date Sampled: 1/23/2012
 Level: (low/med) LOW Date Extracted: 1/30/2012
 % Moisture: 14.27 Date Analyzed: 1/30/2012
 Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0
 Injection Volume: 1.0 (uL)
 Analyst's Initials: _____

CAS NO.	COMPOUND	UNITS:	UG/KG	Q
91-20-3	Naphthalene		57	U
91-57-6	2-Methylnaphthalene		57	U
208-96-8	Acenaphthylene		57	U
83-32-9	Acenaphthene		79	
132-64-9	Dibenzofuran		57	U
86-73-7	Fluorene		80	
85-01-8	Phenanthrene		1100	
120-12-7	Anthracene		310	
206-44-0	Fluoranthene		1600	
129-00-0	Pyrene		1500	
56-55-3	Benzo(a)anthracene		890	
218-01-9	Chrysene		1000	
205-99-2	Benzo(b)fluoranthene		1300	
207-08-9	Benzo(k)fluoranthene		440	
50-32-8	Benzo(a)pyrene		990	
193-39-5	Indeno(1,2,3-cd)pyrene		880	
53-70-3	Dibenz(a,h)anthracene		240	
191-24-2	Benzo(g,h,i)perylene		780	

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0126-33 Client Name: Sage Environmental
 Method: 8270 Lab Sample ID: B-21 S1B
 Matrix: (soil/water/air) SOIL Lab File ID: B013113.D
 Sample wt/vol: 20.475 (g/ml) G Date Sampled: 1/24/2012
 Level: (low/med) LOW Date Extracted: 1/30/2012
 % Moisture: 10.44 Date Analyzed: 1/31/2012
 Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0,5
 Injection Volume: 1.0 (uL)
 Analyst's Initials: _____

CAS NO.	COMPOUND	UNITS:	UG/KG	Q
91-20-3	Naphthalene		750	
91-57-6	2-Methylnaphthalene		270	
208-96-8	Acenaphthylene		110	
83-32-9	Acenaphthene		940	
132-64-9	Dibenzofuran		520	
86-73-7	Fluorene		950	
85-01-8	Phenanthrene		6100	
120-12-7	Anthracene		2700	
206-44-0	Fluoranthene		7500	
129-00-0	Pyrene		6800	
56-55-3	Benzo(a)anthracene		4800	
218-01-9	Chrysene		5000	
205-99-2	Benzo(b)fluoranthene		5100	
207-08-9	Benzo(k)fluoranthene		2000	
50-32-8	Benzo(a)pyrene		4300	
193-39-5	Indeno(1,2,3-cd)pyrene		3400	
53-70-3	Dibenz(a,h)anthracene		910	
191-24-2	Benzo(g,h,i)perylene		3000	

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0126-33 Client Name: Sage Environmental
 Method: 8270 Lab Sample ID: B-24 S1B
 Matrix: (soil/water/air) SOIL Lab File ID: B013114.D
 Sample wt/vol: 20.577 (g/ml) G Date Sampled: 1/24/2012
 Level: (low/med) LOW Date Extracted: 1/30/2012
 % Moisture: 15.02 Date Analyzed: 1/31/2012
 Concentrated Extract Volume: 1000 (uL) Dilution Factor: 5.0
 Injection Volume: 1.0 (uL)
 Analyst's Initials: _____

CAS NO.	COMPOUND	UNITS:	UG/KG	Q
91-20-3	Naphthalene		290	U
91-57-6	2-Methylnaphthalene		290	U
208-96-8	Acenaphthylene		290	U
83-32-9	Acenaphthene		290	U
132-64-9	Dibenzofuran		290	U
86-73-7	Fluorene		290	U
85-01-8	Phenanthrene		800	
120-12-7	Anthracene		290	U
206-44-0	Fluoranthene		1200	
129-00-0	Pyrene		860	
56-55-3	Benzo(a)anthracene		570	
218-01-9	Chrysene		630	
205-99-2	Benzo(b)fluoranthene		740	
207-08-9	Benzo(k)fluoranthene		290	U
50-32-8	Benzo(a)pyrene		630	
193-39-5	Indeno(1,2,3-cd)pyrene		470	
53-70-3	Dibenz(a,h)anthracene		290	U
191-24-2	Benzo(g,h,i)perylene		660	

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0126-33 Client Name: Sage Environmental
 Method: 8270 Lab Sample ID: B-25 S2A
 Matrix: (soil/water/air) SOIL Lab File ID: B013011.D
 Sample wt/vol: 20.168 (g/ml) G Date Sampled: 1/24/2012
 Level: (low/med) LOW Date Extracted: 1/30/2012
 % Moisture: 16.2 Date Analyzed: 1/30/2012
 Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0
 Injection Volume: 1.0 (uL)
 Analyst's Initials: _____

CAS NO.	COMPOUND	UNITS:	UG/KG	Q
91-20-3	Naphthalene		59	U
91-57-6	2-Methylnaphthalene		59	U
208-96-8	Acenaphthylene		59	U
83-32-9	Acenaphthene		59	U
132-64-9	Dibenzofuran		59	U
86-73-7	Fluorene		59	U
85-01-8	Phenanthrene		87	
120-12-7	Anthracene		59	U
206-44-0	Fluoranthene		160	
129-00-0	Pyrene		140	
56-55-3	Benzo(a)anthracene		70	
218-01-9	Chrysene		100	
205-99-2	Benzo(b)fluoranthene		120	
207-08-9	Benzo(k)fluoranthene		59	U
50-32-8	Benzo(a)pyrene		89	
193-39-5	Indeno(1,2,3-cd)pyrene		78	
53-70-3	Dibenz(a,h)anthracene		59	U
191-24-2	Benzo(g,h,i)perylene		94	

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0126-33 Client Name: Sage Environmental
 Method: 8270 Lab Sample ID: B-26 S1B
 Matrix: (soil/water/air) SOIL Lab File ID: B013013.D
 Sample wt/vol: 20.674 (g/ml) G Date Sampled: 1/24/2012
 Level: (low/med) LOW Date Extracted: 1/30/2012
 % Moisture: 40.73 Date Analyzed: 1/30/2012
 Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0
 Injection Volume: 1.0 (uL)
 Analyst's Initials: _____

CAS NO.	COMPOUND	UNITS:	UG/KG	Q
91-20-3	Naphthalene		82	U
91-57-6	2-Methylnaphthalene		82	U
208-96-8	Acenaphthylene		340	
83-32-9	Acenaphthene		82	U
132-64-9	Dibenzofuran		82	U
86-73-7	Fluorene		190	
85-01-8	Phenanthrene		2100	
120-12-7	Anthracene		250	
206-44-0	Fluoranthene		2500	
129-00-0	Pyrene		2700	
56-55-3	Benzo(a)anthracene		1200	
218-01-9	Chrysene		1500	
205-99-2	Benzo(b)fluoranthene		1700	
207-08-9	Benzo(k)fluoranthene		530	
50-32-8	Benzo(a)pyrene		1300	
193-39-5	Indeno(1,2,3-cd)pyrene		1000	
53-70-3	Dibenz(a,h)anthracene		250	
191-24-2	Benzo(g,h,i)perylene		1200	

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

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FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0126-33 Client Name: Sage Environmental
 Method: 8270 Lab Sample ID: B-27 S1-C
 Matrix: (soil/water/air) SOIL Lab File ID: B013010.D
 Sample wt/vol: 20.731 (g/ml) G Date Sampled: 1/24/2012
 Level: (low/med) LOW Date Extracted: 1/30/2012
 % Moisture: 13.22 Date Analyzed: 1/30/2012
 Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0
 Injection Volume: 1.0 (uL)
 Analyst's Initials: _____

CAS NO.	COMPOUND	UNITS:	UG/KG	Q
91-20-3	Naphthalene		55	U
91-57-6	2-Methylnaphthalene		55	U
208-96-8	Acenaphthylene		55	U
83-32-9	Acenaphthene		55	U
132-64-9	Dibenzofuran		55	U
86-73-7	Fluorene		55	U
85-01-8	Phenanthrene		55	U
120-12-7	Anthracene		55	U
206-44-0	Fluoranthene		94	
129-00-0	Pyrene		88	
56-55-3	Benzo(a)anthracene		70	
218-01-9	Chrysene		60	
205-99-2	Benzo(b)fluoranthene		80	
207-08-9	Benzo(k)fluoranthene		55	U
50-32-8	Benzo(a)pyrene		71	
193-39-5	Indeno(1,2,3-cd)pyrene		55	U
53-70-3	Dibenz(a,h)anthracene		55	U
191-24-2	Benzo(g,h,i)perylene		55	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0126-33 Client Name: Sage Environmental
 Method: 8270 Lab Sample ID: B-28 S1B
 Matrix: (soil/water/air) SOIL Lab File ID: B013014.D
 Sample wt/vol: 20.287 (g/ml) G Date Sampled: 1/24/2012
 Level: (low/med) LOW Date Extracted: 1/30/2012
 % Moisture: 12.11 Date Analyzed: 1/30/2012
 Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0
 Injection Volume: 1.0 (uL)
 Analyst's Initials: _____

CAS NO.	COMPOUND	UNITS:	UG/KG	Q
91-20-3	Naphthalene		56	U
91-57-6	2-Methylnaphthalene		56	U
208-96-8	Acenaphthylene		56	U
83-32-9	Acenaphthene		56	U
132-64-9	Dibenzofuran		56	U
86-73-7	Fluorene		56	U
85-01-8	Phenanthrene		160	
120-12-7	Anthracene		56	U
206-44-0	Fluoranthene		56	U
129-00-0	Pyrene		290	
56-55-3	Benzo(a)anthracene		160	
218-01-9	Chrysene		190	
205-99-2	Benzo(b)fluoranthene		200	
207-08-9	Benzo(k)fluoranthene		73	
50-32-8	Benzo(a)pyrene		160	
193-39-5	Indeno(1,2,3-cd)pyrene		120	
53-70-3	Dibenz(a,h)anthracene		56	U
191-24-2	Benzo(g,h,i)perylene		130	

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0126-33 Client Name: Sage Environmental
 Method: 8270 Lab Sample ID: B-31 S1B
 Matrix: (soil/water/air) SOIL Lab File ID: B013015.D
 Sample wt/vol: 20.336 (g/ml) G Date Sampled: 1/24/2012
 Level: (low/med) LOW Date Extracted: 1/30/2012
 % Moisture: 10.03 Date Analyzed: 1/30/2012
 Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0
 Injection Volume: 1.0 (uL)
 Analyst's Initials: _____

CAS NO.	COMPOUND	UNITS:	UG/KG	Q
91-20-3	Naphthalene		120	
91-57-6	2-Methylnaphthalene		61	
208-96-8	Acenaphthylene		64	
83-32-9	Acenaphthene		430	
132-64-9	Dibenzofuran		180	
86-73-7	Fluorene		340	
85-01-8	Phenanthrene		3200	
120-12-7	Anthracene		940	
206-44-0	Fluoranthene		4200	
129-00-0	Pyrene		4300	
56-55-3	Benzo(a)anthracene		2500	
218-01-9	Chrysene		2700	
205-99-2	Benzo(b)fluoranthene		2900	
207-08-9	Benzo(k)fluoranthene		1000	
50-32-8	Benzo(a)pyrene		2400	
193-39-5	Indeno(1,2,3-cd)pyrene		1900	
53-70-3	Dibenz(a,h)anthracene		560	
191-24-2	Benzo(g,h,i)perylene		1800	

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New England Testing Laboratory, Inc.

FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0126-33 Client Name: Sage Environmental
 Method: 8270 Lab Sample ID: B-32 S1B
 Matrix: (soil/water/air) SOIL Lab File ID: B013017.D
 Sample wt/vol: 20.892 (g/ml) G Date Sampled: 1/24/2012
 Level: (low/med) LOW Date Extracted: 1/30/2012
 % Moisture: 12.91 Date Analyzed: 1/30/2012
 Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0,5
 Injection Volume: 1.0 (uL)
 Analyst's Initials: _____

CAS NO.	COMPOUND	UNITS:	UG/KG	Q
91-20-3	Naphthalene		990	
91-57-6	2-Methylnaphthalene		440	
208-96-8	Acenaphthylene		620	
83-32-9	Acenaphthene		1400	
132-64-9	Dibenzofuran		930	
86-73-7	Fluorene		1700	
85-01-8	Phenanthrene		13000	
120-12-7	Anthracene		14000	
206-44-0	Fluoranthene		18000	
129-00-0	Pyrene		15000	
56-55-3	Benzo(a)anthracene		9700	
218-01-9	Chrysene		10000	
205-99-2	Benzo(b)fluoranthene		10000	
207-08-9	Benzo(k)fluoranthene		3000	
50-32-8	Benzo(a)pyrene		8100	
193-39-5	Indeno(1,2,3-cd)pyrene		5600	
53-70-3	Dibenz(a,h)anthracene		1700	
191-24-2	Benzo(g,h,i)perylene		5300	

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New England Testing Laboratory, Inc.

FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0126-33 Client Name: Sage Environmental
 Method: 8270 Lab Sample ID: B-33 S1B
 Matrix: (soil/water/air) SOIL Lab File ID: B013016.D
 Sample wt/vol: 20.489 (g/ml) G Date Sampled: 1/24/2012
 Level: (low/med) LOW Date Extracted: 1/30/2012
 % Moisture: 17.1 Date Analyzed: 1/30/2012
 Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0,2
 Injection Volume: 1.0 (uL)
 Analyst's Initials: _____

CAS NO.	COMPOUND	UNITS:	UG/KG	Q
91-20-3	Naphthalene		370	
91-57-6	2-Methylnaphthalene		130	
208-96-8	Acenaphthylene		60	
83-32-9	Acenaphthene		970	
132-64-9	Dibenzofuran		380	
86-73-7	Fluorene		720	
85-01-8	Phenanthrene		5700	
120-12-7	Anthracene		1800	
206-44-0	Fluoranthene		10000	
129-00-0	Pyrene		6800	
56-55-3	Benzo(a)anthracene		4100	
218-01-9	Chrysene		4400	
205-99-2	Benzo(b)fluoranthene		4900	
207-08-9	Benzo(k)fluoranthene		1900	
50-32-8	Benzo(a)pyrene		3900	
193-39-5	Indeno(1,2,3-cd)pyrene		3000	
53-70-3	Dibenz(a,h)anthracene		760	
191-24-2	Benzo(g,h,i)perylene		2700	

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New England Testing Laboratory, Inc.

FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0126-33 Client Name: Sage Environmental
 Method: 8270 Lab Sample ID: B-34 S1B
 Matrix: (soil/water/air) SOIL Lab File ID: B013111.D
 Sample wt/vol: 20.283 (g/ml) G Date Sampled: 1/24/2012
 Level: (low/med) LOW Date Extracted: 1/30/2012
 % Moisture: 8.62 Date Analyzed: 1/31/2012
 Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0
 Injection Volume: 1.0 (uL)
 Analyst's Initials: _____

CAS NO.	COMPOUND	UNITS:	UG/KG	Q
91-20-3	Naphthalene		54	U
91-57-6	2-Methylnaphthalene		54	U
208-96-8	Acenaphthylene		94	
83-32-9	Acenaphthene		54	U
132-64-9	Dibenzofuran		54	U
86-73-7	Fluorene		54	U
85-01-8	Phenanthrene		83	
120-12-7	Anthracene		54	U
206-44-0	Fluoranthene		180	
129-00-0	Pyrene		190	
56-55-3	Benzo(a)anthracene		150	
218-01-9	Chrysene		190	
205-99-2	Benzo(b)fluoranthene		320	
207-08-9	Benzo(k)fluoranthene		150	
50-32-8	Benzo(a)pyrene		200	
193-39-5	Indeno(1,2,3-cd)pyrene		300	
53-70-3	Dibenz(a,h)anthracene		110	
191-24-2	Benzo(g,h,i)perylene		360	

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0126-33 Client Name: Sage Environmental
 Method: 8270 Lab Sample ID: B-35 S1B
 Matrix: (soil/water/air) SOIL Lab File ID: B013110.D
 Sample wt/vol: 20.253 (g/ml) G Date Sampled: 1/24/2012
 Level: (low/med) LOW Date Extracted: 1/30/2012
 % Moisture: 18.06 Date Analyzed: 1/31/2012
 Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0
 Injection Volume: 1.0 (uL)
 Analyst's Initials: _____

CAS NO.	COMPOUND	UNITS:	UG/KG	Q
91-20-3	Naphthalene		200	
91-57-6	2-Methylnaphthalene		120	
208-96-8	Acenaphthylene		380	
83-32-9	Acenaphthene		210	
132-64-9	Dibenzofuran		200	
86-73-7	Fluorene		250	
85-01-8	Phenanthrene		2300	
120-12-7	Anthracene		630	
206-44-0	Fluoranthene		2000	
129-00-0	Pyrene		2200	
56-55-3	Benzo(a)anthracene		1100	
218-01-9	Chrysene		1300	
205-99-2	Benzo(b)fluoranthene		1400	
207-08-9	Benzo(k)fluoranthene		430	
50-32-8	Benzo(a)pyrene		1300	
193-39-5	Indeno(1,2,3-cd)pyrene		1000	
53-70-3	Dibenz(a,h)anthracene		270	
191-24-2	Benzo(g,h,i)perylene		1100	

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0126-33 Client Name: Sage Environmental
 Method: 8270 Lab Sample ID: B-36 S1C
 Matrix: (soil/water/air) SOIL Lab File ID: B013018.D
 Sample wt/vol: 20.647 (g/ml) G Date Sampled: 1/24/2012
 Level: (low/med) LOW Date Extracted: 1/30/2012
 % Moisture: 13.13 Date Analyzed: 1/30/2012
 Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0,5
 Injection Volume: 1.0 (uL)
 Analyst's Initials: _____

CAS NO.	COMPOUND	UNITS:	UG/KG	Q
91-20-3	Naphthalene		130	
91-57-6	2-Methylnaphthalene		67	
208-96-8	Acenaphthylene		70	
83-32-9	Acenaphthene		600	
132-64-9	Dibenzofuran		170	
86-73-7	Fluorene		500	
85-01-8	Phenanthrene		4100	
120-12-7	Anthracene		1700	
206-44-0	Fluoranthene		7900	
129-00-0	Pyrene		7400	
56-55-3	Benzo(a)anthracene		4400	
218-01-9	Chrysene		4500	
205-99-2	Benzo(b)fluoranthene		4600	
207-08-9	Benzo(k)fluoranthene		1500	
50-32-8	Benzo(a)pyrene		3900	
193-39-5	Indeno(1,2,3-cd)pyrene		3000	
53-70-3	Dibenz(a,h)anthracene		770	
191-24-2	Benzo(g,h,i)perylene		2600	

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0126-33 Client Name: Sage Environmental
 Method: 8270 Lab Sample ID: BSS013012
 Matrix: (soil/water/air) SOIL Lab File ID: B013003.D
 Sample wt/vol: 20 (g/ml) G Date Sampled: 1/23/2012
 Level: (low/med) LOW Date Extracted: 1/30/2012
 % Moisture: 0 Date Analyzed: 1/30/2012
 Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0
 Injection Volume: 1.0 (uL)
 Analyst's Initials: _____

CAS NO.	COMPOUND	UNITS:	UG/KG	Q
91-20-3	Naphthalene		50	U
91-57-6	2-Methylnaphthalene		50	U
208-96-8	Acenaphthylene		50	U
83-32-9	Acenaphthene		50	U
132-64-9	Dibenzofuran		50	U
86-73-7	Fluorene		50	U
85-01-8	Phenanthrene		50	U
120-12-7	Anthracene		50	U
206-44-0	Fluoranthene		50	U
129-00-0	Pyrene		50	U
56-55-3	Benzo(a)anthracene		50	U
218-01-9	Chrysene		50	U
205-99-2	Benzo(b)fluoranthene		50	U
207-08-9	Benzo(k)fluoranthene		50	U
50-32-8	Benzo(a)pyrene		50	U
193-39-5	Indeno(1,2,3-cd)pyrene		50	U
53-70-3	Dibenz(a,h)anthracene		50	U
191-24-2	Benzo(g,h,i)perylene		50	U

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New England Testing Laboratory, Inc.

FORM I SV-1

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: New England Testing Laboratory
 Lab Code: RI010
 Level: (low/med) LOW

Case No.: Y0126-33
 Client Name: Sage Environmental

Sample ID	S1 #	S2 #	S3 #	TOT OUT
01 BSS013012	50	54	47	0
02 LSS013013	68	68	75	0
03 B11 S2	96	97	83	0
04 B14 S1	82	80	66	0
05 B27 S1C	83	80	76	0
06 B25 S2A	87	93	83	0
07 B19 S1B	71	76	83	0
08 B26 S1B	76	82	80	0
09 B28 S1B	58	65	68	0
10 B31 S1B	75	75	88	0
11 B33 S1B	96	101	109	0
12 B32 S1B	69	73	88	0
13 B36 S1C	82	89	102	0
14 B12 S1	77	84	90	0
15 B10 S1	78	90	94	0
16 B35 S1B	88	96	91	0
17 B34 S1B	74	83	73	0
18 B21 SB1	89	96	93	0
19 B24 SB1	35	55	50	0
20 B17 SB1	55	75	65	0

QC LIMITS

S1	=	Nitrobenzene-d5	(12-110)
S2	=	2-Fluorobiphenyl	(17-122)
S3	=	Terphenyl-d14	(10-139)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogate diluted out

New England Testing Laboratory,

Semivolatile Soil Laboratory Control Spike

Date Extracted: 1/30/2012

Date Analyzed: 1/30/2012

	Amount Spiked	Result,	Recovery	Lower Recovery	Upper Recovery
	ug/Kg	ug/Kg	%	Limit	Limit
Naphthalene	2500	1910	76	27	100
2-Methylnaphthalene	2500	1621	65	28	100
Acenaphthylene	2500	1686	67	35	109
Acenaphthene	2500	1887	75	32	108
Dibenzofuran	2500	1541	62	32	111
Fluorene	2500	1934	77	31	116
Phenanthrene	2500	1839	74	41	118
Anthracene	2500	1842	74	30	119
Fluoranthene	2500	1799	72	35	120
Pyrene	2500	1838	74	46	112
Benzo(a)anthracene	2500	1914	77	45	114
Chrysene	2500	1808	72	33	123
Benzo(b)fluoranthene	2500	1907	76	33	122
Benzo(k)fluoranthene	2500	1860	74	34	130
Benzo(a)pyrene	2500	1934	77	37	115
Indeno(1,2,3-cd)pyrene	2500	2038	82	27	143
Dibenz(a,h)anthracene	2500	2222	89	33	137
Benzo(g,h,i)perylene	2500	2049	82	16	152

RESULTS: VOLATILE ORGANIC COMPOUNDS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0126-33 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-21 S2B
 Matrix: (soil/water) SOIL Lab File ID: C020224.D
 Sample wt/vol: 10.4 (g/ml) G Date Sampled: 1/23/2012
 % Moisture 10.71 Date Analyzed: 2/2/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 4,16
 Analyst's Initials: _____ Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
75-01-4	Vinyl Chloride	220	U
74-83-9	Bromomethane	220	U
75-00-3	Chloroethane	220	U
67-64-1	Acetone	1100	U
75-35-4	1,1-Dichloroethene	220	U
75-15-0	Carbon Disulfide	220	U
75-09-2	Methylene Chloride	220	U
1634-04-4	tert-Butyl methyl ether	220	U
156-60-5	trans-1,2 Dichloroethene	220	U
75-34-3	1,1-Dichloroethane	220	U
78-93-3	2-Butanone	1100	U
594-20-7	2,2-Dichloropropane	220	U
156-59-2	cis-1,2-Dichloroethene	220	U
67-66-3	Chloroform	220	U
74-97-5	Bromochloromethane	220	U
71-55-6	1,1,1-Trichloroethane	220	U
563-58-6	1,1-Dichloropropene	220	U
56-23-5	Carbon Tetrachloride	220	U
71-43-2	Benzene	220	U
107-06-2	1,2-Dichloroethane	220	U
79-01-6	Trichloroethene	220	U
78-87-5	1,2-Dichloropropane	220	U
75-27-4	Bromodichloromethane	220	U
74-95-3	Dibromomethane	220	U
108-10-1	4-Methyl-2-pentanone	1100	U
106-93-4	Ethylene Dibromide	220	U
10061-01-5	cis-1,3-Dichloropropene	220	U
108-88-3	Toluene	220	U
10061-02-6	Trans-1,3-Dichloropropene	220	U
79-00-5	1,1,2-Trichloroethane	220	U
591-78-6	2-Hexanone	1100	U
127-18-4	Tetrachloroethene	1700	
124-48-1	Chlorodibromomethane	220	U
108-90-7	Chlorobenzene	220	U
630-20-6	1,1,1,2-Tetrachloroethane	220	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0126-33 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-21 S2B
 Matrix: (soil/water) SOIL Lab File ID: C020224.D
 Sample wt/vol: 10.4 (g/ml) G Date Sampled: 1/23/2012
 % Moisture 10.71 Date Analyzed: 2/2/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 4,16
 Analyst's Initials: _____ Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
100-41-4	Ethylbenzene	220	U
1330-20-7	m & p-Xylene	2700	
95-47-6	o-Xylene	2300	
100-42-5	Styrene	220	U
75-25-2	Bromoform	220	U
98-82-8	Isopropylbenzene	3200	
79-34-5	1,1,2,2-Tetrachloroethane	220	U
108-86-1	Bromobenzene	220	U
96-18-4	1,2,3-Trichloropropane	220	U
95-49-8	2-Chlorotoluene	220	U
103-65-1	n-Propylbenzene	10000	
108-67-8	1,3,5-Trimethylbenzene	120000	
106-43-4	4-Chlorotoluene	220	U
98-06-6	tert-Butylbenzene	2600	
95-63-6	1,2,4-Trimethylbenzene	170000	
135-98-8	sec-Butylbenzene	12000	
99-87-6	p-Isopropyltoluene	62000	
75-87-3	Chloromethane	220	U
75-65-0	tert butyl alcohol	220	U
541-73-1	1,3-Dichlorobenzene	220	U
109-99-9	Tetrahydrofuran	220	U
106-46-7	1,4-Dichlorobenzene	220	U
60-29-7	Diethyl Ether	220	U
104-51-8	n-Butylbenzene	25000	
95-50-1	1,2-Dichlorobenzene	220	U
96-12-8	1,2-Dibromo-3-chloropropane	220	U
120-82-1	1,2,4-Trichlorobenzene	220	U
87-68-3	Hexachlorobutadiene	220	U
91-20-3	Naphthalene	41000	
87-61-6	1,2,3-Trichlorobenzene	220	U
994-05-8	Tert-amyl Methyl Ether	220	U
75-71-8	Dichlorodifluoromethane	220	U
142-28-9	1,3-Dichloropropane	220	U
75-69-4	Trichlorofluoromethane	220	U
637-92-3	Ethyl Tert-butyl ether	220	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0126-33 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-21 S2B
 Matrix: (soil/water) SOIL Lab File ID: C020224.D
 Sample wt/vol: 10.4 (g/ml) G Date Sampled: 1/23/2012
 % Moisture 10.71 Date Analyzed: 2/2/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 4,16
 Analyst's Initials: _____ Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
108-20-3	Diisopropyl Ether	220	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0126-33 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-21 S3B
 Matrix: (soil/water) SOIL Lab File ID: C020222.D
 Sample wt/vol: 8.2 (g/ml) G Date Sampled: 1/23/2012
 % Moisture 10.42 Date Analyzed: 2/2/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: _____ Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
75-01-4	Vinyl Chloride	68	U
74-83-9	Bromomethane	68	U
75-00-3	Chloroethane	68	U
67-64-1	Acetone	340	U
75-35-4	1,1-Dichloroethene	68	U
75-15-0	Carbon Disulfide	68	U
75-09-2	Methylene Chloride	68	U
1634-04-4	tert-Butyl methyl ether	68	U
156-60-5	trans-1,2 Dichloroethene	68	U
75-34-3	1,1-Dichloroethane	68	U
78-93-3	2-Butanone	340	U
594-20-7	2,2-Dichloropropane	68	U
156-59-2	cis-1,2-Dichloroethene	68	U
67-66-3	Chloroform	68	U
74-97-5	Bromochloromethane	68	U
71-55-6	1,1,1-Trichloroethane	68	U
563-58-6	1,1-Dichloropropene	68	U
56-23-5	Carbon Tetrachloride	68	U
71-43-2	Benzene	68	U
107-06-2	1,2-Dichloroethane	68	U
79-01-6	Trichloroethene	68	U
78-87-5	1,2-Dichloropropane	68	U
75-27-4	Bromodichloromethane	68	U
74-95-3	Dibromomethane	68	U
108-10-1	4-Methyl-2-pentanone	340	U
106-93-4	Ethylene Dibromide	68	U
10061-01-5	cis-1,3-Dichloropropene	68	U
108-88-3	Toluene	68	U
10061-02-6	Trans-1,3-Dichloropropene	68	U
79-00-5	1,1,2-Trichloroethane	68	U
591-78-6	2-Hexanone	340	U
127-18-4	Tetrachloroethene	68	U
124-48-1	Chlorodibromomethane	68	U
108-90-7	Chlorobenzene	68	U
630-20-6	1,1,1,2-Tetrachloroethane	68	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0126-33 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-21 S3B
 Matrix: (soil/water) SOIL Lab File ID: C020222.D
 Sample wt/vol: 8.2 (g/ml) G Date Sampled: 1/23/2012
 % Moisture 10.42 Date Analyzed: 2/2/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: _____ Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
100-41-4	Ethylbenzene	68	U
1330-20-7	m & p-Xylene	140	U
95-47-6	o-Xylene	68	U
100-42-5	Styrene	68	U
75-25-2	Bromoform	68	U
98-82-8	Isopropylbenzene	68	U
79-34-5	1,1,2,2-Tetrachloroethane	68	U
108-86-1	Bromobenzene	68	U
96-18-4	1,2,3-Trichloropropane	68	U
95-49-8	2-Chlorotoluene	68	U
103-65-1	n-Propylbenzene	68	U
108-67-8	1,3,5-Trimethylbenzene	68	U
106-43-4	4-Chlorotoluene	68	U
98-06-6	tert-Butylbenzene	68	U
95-63-6	1,2,4-Trimethylbenzene	100	
135-98-8	sec-Butylbenzene	68	U
99-87-6	p-Isopropyltoluene	68	U
75-87-3	Chloromethane	68	U
75-65-0	tert butyl alcohol	68	U
541-73-1	1,3-Dichlorobenzene	68	U
109-99-9	Tetrahydrofuran	68	U
106-46-7	1,4-Dichlorobenzene	68	U
60-29-7	Diethyl Ether	68	U
104-51-8	n-Butylbenzene	68	U
95-50-1	1,2-Dichlorobenzene	68	U
96-12-8	1,2-Dibromo-3-chloropropane	68	U
120-82-1	1,2,4-Trichlorobenzene	68	U
87-68-3	Hexachlorobutadiene	68	U
91-20-3	Naphthalene	75	
87-61-6	1,2,3-Trichlorobenzene	68	U
994-05-8	Tert-amyl Methyl Ether	68	U
75-71-8	Dichlorodifluoromethane	68	U
142-28-9	1,3-Dichloropropane	68	U
75-69-4	Trichlorofluoromethane	68	U
637-92-3	Ethyl Tert-butyl ether	68	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0126-33 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-21 S3B
 Matrix: (soil/water) SOIL Lab File ID: C020222.D
 Sample wt/vol: 8.2 (g/ml) G Date Sampled: 1/23/2012
 % Moisture 10.42 Date Analyzed: 2/2/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: _____ Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
108-20-3	Diisopropyl Ether	68	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0126-33 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-34 S2
 Matrix: (soil/water) SOIL Lab File ID: C020223.D
 Sample wt/vol: 7.7 (g/ml) G Date Sampled: 1/23/2012
 % Moisture 8.62 Date Analyzed: 2/2/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: _____ Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
75-01-4	Vinyl Chloride	72	U
74-83-9	Bromomethane	72	U
75-00-3	Chloroethane	72	U
67-64-1	Acetone	360	U
75-35-4	1,1-Dichloroethene	72	U
75-15-0	Carbon Disulfide	72	U
75-09-2	Methylene Chloride	72	U
1634-04-4	tert-Butyl methyl ether	72	U
156-60-5	trans-1,2 Dichloroethene	72	U
75-34-3	1,1-Dichloroethane	72	U
78-93-3	2-Butanone	360	U
594-20-7	2,2-Dichloropropane	72	U
156-59-2	cis-1,2-Dichloroethene	72	U
67-66-3	Chloroform	72	U
74-97-5	Bromochloromethane	72	U
71-55-6	1,1,1-Trichloroethane	72	U
563-58-6	1,1-Dichloropropene	72	U
56-23-5	Carbon Tetrachloride	72	U
71-43-2	Benzene	72	U
107-06-2	1,2-Dichloroethane	72	U
79-01-6	Trichloroethene	72	U
78-87-5	1,2-Dichloropropane	72	U
75-27-4	Bromodichloromethane	72	U
74-95-3	Dibromomethane	72	U
108-10-1	4-Methyl-2-pentanone	360	U
106-93-4	Ethylene Dibromide	72	U
10061-01-5	cis-1,3-Dichloropropene	72	U
108-88-3	Toluene	72	U
10061-02-6	Trans-1,3-Dichloropropene	72	U
79-00-5	1,1,2-Trichloroethane	72	U
591-78-6	2-Hexanone	360	U
127-18-4	Tetrachloroethene	72	U
124-48-1	Chlorodibromomethane	72	U
108-90-7	Chlorobenzene	72	U
630-20-6	1,1,1,2-Tetrachloroethane	72	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0126-33 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-34 S2
 Matrix: (soil/water) SOIL Lab File ID: C020223.D
 Sample wt/vol: 7.7 (g/ml) G Date Sampled: 1/23/2012
 % Moisture 8.62 Date Analyzed: 2/2/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: _____ Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
100-41-4	Ethylbenzene	72	U
1330-20-7	m & p-Xylene	140	U
95-47-6	o-Xylene	72	U
100-42-5	Styrene	72	U
75-25-2	Bromoform	72	U
98-82-8	Isopropylbenzene	72	U
79-34-5	1,1,2,2-Tetrachloroethane	72	U
108-86-1	Bromobenzene	72	U
96-18-4	1,2,3-Trichloropropane	72	U
95-49-8	2-Chlorotoluene	72	U
103-65-1	n-Propylbenzene	72	U
108-67-8	1,3,5-Trimethylbenzene	72	U
106-43-4	4-Chlorotoluene	72	U
98-06-6	tert-Butylbenzene	72	U
95-63-6	1,2,4-Trimethylbenzene	72	U
135-98-8	sec-Butylbenzene	72	U
99-87-6	p-Isopropyltoluene	72	U
75-87-3	Chloromethane	72	U
75-65-0	tert butyl alcohol	72	U
541-73-1	1,3-Dichlorobenzene	72	U
109-99-9	Tetrahydrofuran	72	U
106-46-7	1,4-Dichlorobenzene	72	U
60-29-7	Diethyl Ether	72	U
104-51-8	n-Butylbenzene	72	U
95-50-1	1,2-Dichlorobenzene	72	U
96-12-8	1,2-Dibromo-3-chloropropane	72	U
120-82-1	1,2,4-Trichlorobenzene	72	U
87-68-3	Hexachlorobutadiene	72	U
91-20-3	Naphthalene	72	U
87-61-6	1,2,3-Trichlorobenzene	72	U
994-05-8	Tert-amyl Methyl Ether	72	U
75-71-8	Dichlorodifluoromethane	72	U
142-28-9	1,3-Dichloropropane	72	U
75-69-4	Trichlorofluoromethane	72	U
637-92-3	Ethyl Tert-butyl ether	72	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0126-33 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-34 S2
 Matrix: (soil/water) SOIL Lab File ID: C020223.D
 Sample wt/vol: 7.7 (g/ml) G Date Sampled: 1/23/2012
 % Moisture 8.62 Date Analyzed: 2/2/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: _____ Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
108-20-3	Diisopropyl Ether	72	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0126-33 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: VBLK020212
 Matrix: (soil/water) SOIL Lab File ID: C020214.D
 Sample wt/vol: 10.0 (g/ml) G Date Sampled: 1/23/2012
 % Moisture 0 Date Analyzed: 2/2/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: _____ Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
75-01-4	Vinyl Chloride	50	U
74-83-9	Bromomethane	50	U
75-00-3	Chloroethane	50	U
67-64-1	Acetone	250	U
75-35-4	1,1-Dichloroethene	50	U
75-15-0	Carbon Disulfide	50	U
75-09-2	Methylene Chloride	50	U
1634-04-4	tert-Butyl methyl ether	50	U
156-60-5	trans-1,2 Dichloroethene	50	U
75-34-3	1,1-Dichloroethane	50	U
78-93-3	2-Butanone	250	U
594-20-7	2,2-Dichloropropane	50	U
156-59-2	cis-1,2-Dichloroethene	50	U
67-66-3	Chloroform	50	U
74-97-5	Bromochloromethane	50	U
71-55-6	1,1,1-Trichloroethane	50	U
563-58-6	1,1-Dichloropropene	50	U
56-23-5	Carbon Tetrachloride	50	U
71-43-2	Benzene	50	U
107-06-2	1,2-Dichloroethane	50	U
79-01-6	Trichloroethene	50	U
78-87-5	1,2-Dichloropropane	50	U
75-27-4	Bromodichloromethane	50	U
74-95-3	Dibromomethane	50	U
108-10-1	4-Methyl-2-pentanone	250	U
106-93-4	Ethylene Dibromide	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
108-88-3	Toluene	50	U
10061-02-6	Trans-1,3-Dichloropropene	50	U
79-00-5	1,1,2-Trichloroethane	50	U
591-78-6	2-Hexanone	250	U
127-18-4	Tetrachloroethene	50	U
124-48-1	Chlorodibromomethane	50	U
108-90-7	Chlorobenzene	50	U
630-20-6	1,1,1,2-Tetrachloroethane	50	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0126-33 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: VBLK020212
 Matrix: (soil/water) SOIL Lab File ID: C020214.D
 Sample wt/vol: 10.0 (g/ml) G Date Sampled: 1/23/2012
 % Moisture 0 Date Analyzed: 2/2/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: _____ Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
100-41-4	Ethylbenzene	50	U
1330-20-7	m & p-Xylene	100	U
95-47-6	o-Xylene	50	U
100-42-5	Styrene	50	U
75-25-2	Bromoform	50	U
98-82-8	Isopropylbenzene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-86-1	Bromobenzene	50	U
96-18-4	1,2,3-Trichloropropane	50	U
95-49-8	2-Chlorotoluene	50	U
103-65-1	n-Propylbenzene	50	U
108-67-8	1,3,5-Trimethylbenzene	50	U
106-43-4	4-Chlorotoluene	50	U
98-06-6	tert-Butylbenzene	50	U
95-63-6	1,2,4-Trimethylbenzene	50	U
135-98-8	sec-Butylbenzene	50	U
99-87-6	p-Isopropyltoluene	50	U
75-87-3	Chloromethane	50	U
75-65-0	tert butyl alcohol	50	U
541-73-1	1,3-Dichlorobenzene	50	U
109-99-9	Tetrahydrofuran	50	U
106-46-7	1,4-Dichlorobenzene	50	U
60-29-7	Diethyl Ether	50	U
104-51-8	n-Butylbenzene	50	U
95-50-1	1,2-Dichlorobenzene	50	U
96-12-8	1,2-Dibromo-3-chloropropane	50	U
120-82-1	1,2,4-Trichlorobenzene	50	U
87-68-3	Hexachlorobutadiene	50	U
91-20-3	Naphthalene	50	U
87-61-6	1,2,3-Trichlorobenzene	50	U
994-05-8	Tert-amyl Methyl Ether	50	U
75-71-8	Dichlorodifluoromethane	50	U
142-28-9	1,3-Dichloropropane	50	U
75-69-4	Trichlorofluoromethane	50	U
637-92-3	Ethyl Tert-butyl ether	50	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0126-33 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: VBLK020212
 Matrix: (soil/water) SOIL Lab File ID: C020214.D
 Sample wt/vol: 10.0 (g/ml) G Date Sampled: 1/23/2012
 % Moisture 0 Date Analyzed: 2/2/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: _____ Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
108-20-3	Diisopropyl Ether	50	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: New England Testing Laboratory Contract: S2244

Lab Code: RI010 Case No.: Y0126-33 SAS No.: Sage E SDG No.: Sage Envir

Level: (low/med) MED

	EPA SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	TOT OUT
01	VLCS020212	97	104	99	0
02	VBLK020212	97	98	93	0
03	B21-S3B	97	99	97	0
04	B34-S2	96	99	97	0
05	B21-S2B	108	100	95	0

QC LIMITS

SMC1 = 4-Bromofluorobenzene (70-130)
 SMC2 = Toluene-D8 (70-130)
 SMC3 = 1,2-Dichloroethane-D4 (70-130)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D System Monitoring Compound diluted out

New England Testing Laboratory, Inc.

Volatile Organics Laboratory Control Spike

Date Analyzed:02/2/2012

Sample ID: VLCS020212

Compound	Spike Added	Spike Result	Recovery, %	Lower Control Limit, %	Upper Control Limit, %
1,1-Dichloroethene	50.0	63.9	128	70	129
Benzene	50.0	58.1	116	73	129
Trichloroethene	50.0	60.3	121	77	122
Toluene	50.0	60.1	120	75	123
Chlorobenzene	50.0	55.7	111	73	125

Y0126-33

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NEW ENGLAND TESTING LABORATORY, INC.
 1254 Douglas Avenue
 North Providence, RI 02904
 1-888-863-8522

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME/LOCATION		PRESERVATIVE				REMARKS
	DATE	TIME	G R A B	C O M P	SAMPLE I.D.	TESTS**	
2244	Queen Anne Square Newport, RI						
CLIENT: SAGE Environmental, Inc.							
REPORT TO: Sage @ Sage Environmental.net							
INVOICE TO: 4							
1/23-1/24/12	1100	B-10	S1	X			PP13 PAH TPH VOC & PCB
	1130	B-11	S2				
	1200	B-12	S1				
	1300	B-14	S1				
	1400	B-17	S1				
	1400	B-17	S1B				
	1500	B-19	S1				
	1500	B-19	S1B				
	1530	B-21	S1				
	1530	B-21	S1B				
	1530	B-21	S2B				
	1530	B-21	S3B				
	0900	B-24	S1				
	0900	B-24	S1B				
Sampled by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
		1/23/12 1600				1/26/12 15:45	
Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
		1/26/12 3:45				1/26/12 16:10	
Relinquished by: (Signature)		Date/Time		Received for Laboratory by: (Signature)		Date/Time	
		1/26/12 16:10				1/26/12 16:10	
Special Instructions: List Specific Detection Limit Requirements:				Laboratory Remarks: Temp. received: 6C Cooled <input type="checkbox"/>			
Turnaround (Business Days)							

**Netlab subcontracts the following tests: Radiologicals, Radon, Asbestos, UCMAs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

Y012633

2 of 3

NEW ENGLAND TESTING LABORATORY, INC.
 1254 Douglas Avenue
 North Providence, RI 02904
 1-888-863-8522

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME/LOCATION		PRESERVATIVE	TESTS**	REMARKS
	NO. OF CONTAINERS	OTHER			
SJ244	Gwen Anne Newport				
CLIENT	SAGE Environmental				
REPORT TO:					
INVOICE TO:					
DATE	TIME	SAMPLE I.D.	ACQUEOUS	SOIL	NO. OF CONTAINERS
12/24/12	0930	B-25 S1	X		12/24/12
	↓	B-25 S2A			
	1000	B-26 S1			
	1000	B-26 S1B			
	1050	B-27 S1			
	↓	B-27 S1-C			
	1110	B-28 S1			
	1110	B-28 S1 B			
	1430	B-31 S1			
	1430	B-31 S1B			
	1440	B-32 S1			
	1440	B-32 S1B			
	1500	B-33 S1			
	1500	B-33 S1 B			
Sampled by: (Signature)		Date/Time	Received by: (Signature)	Date/Time	Laboratory Remarks:
<i>[Signature]</i>		1/25/12 1600			Temp. received: <input checked="" type="checkbox"/> Cooled <input type="checkbox"/>
Relinquished by: (Signature)		Date/Time	Received by: (Signature)	Date/Time	Special Instructions:
<i>[Signature]</i>		1/26/12 3:45		1/26/12 15:45	List Specific Detection Limit Requirements:
Relinquished by: (Signature)		Date/Time	Received for Laboratory by: (Signature)	Date/Time	Turnaround (Business Days)
<i>[Signature]</i>		1/26/12 16:10	<i>[Signature]</i>	1/26/12 16:10	

**Netlab subcontracts the following tests: Radiologicals, Radon, Asbestos, UCMRA/Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

Y012633
3 of 3

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue
North Providence, RI 02904
1-888-863-8522

CHAIN OF CUSTODY RECORD

PROJ. NO.		PROJECT NAME/LOCATION		PRESERVATIVE			TESTS**	REMARKS
NO.	DATE	NO. OF CONTAINERS	OTHER	SOIL	SCORCOA			
S2344	12/17	1x402		X				
CLIENT	1600	↓						
REPORT TO:		B-34 S1						
INVOICE TO:		B-34 S1B						
DATE	TIME	B-34 S2						
1430	1430	B-35 S1						
1430	1430	B-35 S1B						
1440	1440	B-36 S1						
↓	↓	B-36 S1C						
<p>LABORATORY REMARKS: Temp. received: 6L Cooled <input type="checkbox"/></p> <p>SPECIAL INSTRUCTIONS: List Specific Detection Limit Requirements:</p>								
SAMPLED BY: (Signature)		DATE/TIME		RECEIVED BY: (Signature)		DATE/TIME		
[Signature]		12/17/12 1600		[Signature]		1/26/12 13:45		
RELINQUISHED BY: (Signature)		DATE/TIME		RECEIVED BY: (Signature)		DATE/TIME		
[Signature]		1/26/12 3:45		[Signature]		1/26/12 16:10		
RELINQUISHED BY: (Signature)		DATE/TIME		RECEIVED FOR LABORATORY BY: (Signature)		DATE/TIME		
[Signature]		1/26/12 16:10		[Signature]		1/26/12 16:10		

**Netlab subcontracts the following tests: Radiologicals, Radon, Asbestos, UCMFs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

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REPORT OF ANALYTICAL RESULTS

NETLAB Case Number Y0719-21

Sage Project #S2244

Prepared for:

Sage Environmental
172 Armistice Boulevard
Pawtucket, RI 02860

Report Date: July 25, 2012

Reviewed by:

Richard Warila
Laboratory Director

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue, North Providence, RI 02904

(401) 353-3420

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on July 19, 2012. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the samples provided to us by the client which are indicated on the custody record. The case number for this sample submission is Y0719-21.

Custody records are included in this report.

Site: S2244 – QAS, Newport, RI

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
B-37 S1	7/18/12	Soil	Table IV
B-37 S3B	7/18/12	Soil	Table II, III
B-37 S4	7/18/12	Soil	Table II, III
B-38 S1	7/18/12	Soil	Table IV
B-38 S3	7/18/12	Soil	Table II, III
B-39 S1	7/18/12	Soil	Table IV
B-39 S1B	7/18/12	Soil	Table II, III
B-40 S1	7/18/12	Soil	Table IV
B-40 S1B	7/18/12	Soil	Table II, III
B-41 S1	7/18/12	Soil	Table IV
B-41 S2A	7/18/12	Soil	Table II, III
B-41 S3B	7/18/12	Soil	Table II, III
B-41 S4B	7/18/12	Soil	Table III
B-42 S1	7/18/12	Soil	Table IV
B-42 S3	7/18/12	Soil	Table II, III

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Total Petroleum Hydrocarbons	3550C	8100M

TABLE III, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Volatile Organic Compounds	5035	8260B

TABLE IV, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
PCBs	3541	8082A
Total Metals		
Antimony	3050B	6010C
Arsenic	3050B	6010C
Beryllium	3050B	6010C
Cadmium	3050B	6010C
Chromium	3050B	6010C
Copper	3050B	6010C
Lead	3050B	6010C
Mercury	NA	7471B
Nickel	3050B	6010C
Selenium	3050B	6010C
Silver	3050B	6010C
Thallium	3050B	7010
Zinc	3050B	6010C

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

CASE NARRATIVE:

Sample Receipt:

No trip blank was supplied unless it was identified in such a manner as to be un-interpretable by the laboratory. No field blank was supplied unless it was identified in such a manner as to be un-interpretable by the laboratory. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits).

The samples were all appropriately cooled and preserved upon receipt.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

PCB's:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Total Petroleum Hydrocarbons:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Volatile Organic Compounds:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

The sample "B-41 S4B" was reported based on the wet weight.

Sample: B-37 S3B		Analyst's Initials: NS
Case No. Y0719-21		
Date Collected: 7/18/12		
Sample Matrix: Soil		
Subject: TPH		
Prep Method: EPA 3550C	Date Extracted	Date Analyzed
Analytical Method: EPA 8100 M	7/23/12	7/23/12
Compound	Concentration, mg/kg* (ppm)	Reporting Limit
Total Petroleum Hydrocarbons	ND	20
Surrogates:		
Compound	% Recovery	Limits
Chlorooctadecane	103	62-151

ND = Not Detected

*Dry Weight Basis

Sample: B-37 S4		Analyst's Initials: NS
Case No. Y0719-21		
Date Collected: 7/18/12		
Sample Matrix: Soil		
Subject: TPH		
Prep Method: EPA 3550C	Date Extracted	Date Analyzed
Analytical Method: EPA 8100 M	7/23/12	7/23/12
Compound	Concentration, mg/kg* (ppm)	Reporting Limit
Total Petroleum Hydrocarbons	ND	20
Surrogates:		
Compound	% Recovery	Limits
Chlorooctadecane	73	62-151

ND = Not Detected

*Dry Weight Basis

Sample: B-38 S3		Analyst's Initials: NS
Case No. Y0719-21		
Date Collected: 7/18/12		
Sample Matrix: Soil		
Subject: TPH		
Prep Method: EPA 3550C	Date Extracted	Date Analyzed
Analytical Method: EPA 8100 M	7/23/12	7/24/12
Compound	Concentration, mg/kg* (ppm)	Reporting Limit
Total Petroleum Hydrocarbons	68	20
Surrogates:		
Compound	% Recovery	Limits
Chlorooctadecane	92	62-151

ND = Not Detected

*Dry Weight Basis

Sample: B-39 S1B		Analyst's Initials: NS
Case No. Y0719-21		
Date Collected: 7/18/12		
Sample Matrix: Soil		
Subject: TPH		
Prep Method: EPA 3550C	Date Extracted	Date Analyzed
Analytical Method: EPA 8100 M	7/23/12	7/24/12
Compound	Concentration, mg/kg* (ppm)	Reporting Limit
Total Petroleum Hydrocarbons	184	21
Surrogates:		
Compound	% Recovery	Limits
Chlorooctadecane	86	62-151

ND = Not Detected

*Dry Weight Basis

Sample: B-40 S1B		Analyst's Initials: NS
Case No. Y0719-21		
Date Collected: 7/18/12		
Sample Matrix: Soil		
Subject: TPH		
Prep Method: EPA 3550C	Date Extracted	Date Analyzed
Analytical Method: EPA 8100 M	7/23/12	7/24/12
Compound	Concentration, mg/kg* (ppm)	Reporting Limit
Total Petroleum Hydrocarbons	186	20
Surrogates:		
Compound	% Recovery	Limits
Chlorooctadecane	98	62-151

ND = Not Detected

*Dry Weight Basis

Sample: B-41 S2A		Analyst's Initials: NS
Case No. Y0719-21		
Date Collected: 7/18/12		
Sample Matrix: Soil		
Subject: TPH		
Prep Method: EPA 3550C	Date Extracted	Date Analyzed
Analytical Method: EPA 8100 M	7/23/12	7/24/12
Compound	Concentration, mg/kg* (ppm)	Reporting Limit
Total Petroleum Hydrocarbons	91	21
Surrogates:		
Compound	% Recovery	Limits
Chlorooctadecane	105	62-151

ND = Not Detected

*Dry Weight Basis

Sample: B-41 S3B		Analyst's Initials: NS
Case No. Y0719-21		
Date Collected: 7/18/12		
Sample Matrix: Soil		
Subject: TPH		
Prep Method: EPA 3550C	Date Extracted	Date Analyzed
Analytical Method: EPA 8100 M	7/23/12	7/23/12
Compound	Concentration, mg/kg* (ppm)	Reporting Limit
Total Petroleum Hydrocarbons	206	20
Surrogates:		
Compound	% Recovery	Limits
Chlorooctadecane	92	62-151

ND = Not Detected

*Dry Weight Basis

Sample: B-42 S3		Analyst's Initials: NS
Case No. Y0719-21		
Date Collected: 7/18/12		
Sample Matrix: Soil		
Subject: TPH		
Prep Method: EPA 3550C	Date Extracted	Date Analyzed
Analytical Method: EPA 8100 M	7/23/12	7/24/12
Compound	Concentration, mg/kg* (ppm)	Reporting Limit
Total Petroleum Hydrocarbons	ND	20
Surrogates:		
Compound	% Recovery	Limits
Chlorooctadecane	98	62-151

ND = Not Detected

*Dry Weight Basis

METALS RESULTS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Metals Analysis Department certifies that the results included in this section have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

New England Testing Laboratory, Inc.

METALS RESULTS



Case Number: Y0719-21
 Sample ID: B-37 S1
 Date collected: 7/18/12
 Matrix: Soil
 Solids, %: 93.04
 Sample Type: Total

Analyst JC/RS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	3050B	6010C	2.24	0.76	mg/kg	7/23/12	7/24/12
Arsenic	7440-38-2	3050B	6010C	6.22	0.76	mg/kg	7/23/12	7/24/12
Beryllium	7440-41-7	3050B	6010C	0.53	0.38	mg/kg	7/23/12	7/24/12
Cadmium	7440-43-9	3050B	6010C	0.73	0.38	mg/kg	7/23/12	7/24/12
Chromium	7440-47-3	3050B	6010C	13.1	0.38	mg/kg	7/23/12	7/24/12
Copper	7440-50-8	3050B	6010C	41.6	1.53	mg/kg	7/23/12	7/24/12
Lead	7439-92-1	3050B	6010C	827	0.38	mg/kg	7/23/12	7/24/12
Mercury	7439-97-6	NA	7471B	0.785	0.401	mg/kg	7/23/12	7/23/12
Nickel	7440-02-0	3050B	6010C	11.6	0.38	mg/kg	7/23/12	7/24/12
Selenium	7782-49-2	3050B	6010C	9.32	0.76	mg/kg	7/23/12	7/24/12
Silver	7440-22-4	3050B	6010C	ND	0.38	mg/kg	7/23/12	7/24/12
Thallium	7440-28-0	3050B	7010	ND	0.76	mg/kg	7/23/12	7/25/12
Zinc	7440-66-6	3050B	6010C	397	1.53	mg/kg	7/23/12	7/24/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Y0719-21
 Sample ID: B-38 S1
 Date collected: 7/18/12
 Matrix: Soil
 Solids, %: 91.94
 Sample Type: Total

Analyst JC/RS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	3050B	6010C	ND	0.68	mg/kg	7/23/12	7/24/12
Arsenic	7440-38-2	3050B	6010C	6.06	0.68	mg/kg	7/23/12	7/24/12
Beryllium	7440-41-7	3050B	6010C	0.47	0.34	mg/kg	7/23/12	7/24/12
Cadmium	7440-43-9	3050B	6010C	ND	0.34	mg/kg	7/23/12	7/24/12
Chromium	7440-47-3	3050B	6010C	10.2	0.34	mg/kg	7/23/12	7/24/12
Copper	7440-50-8	3050B	6010C	36.2	1.37	mg/kg	7/23/12	7/24/12
Lead	7439-92-1	3050B	6010C	269	0.34	mg/kg	7/23/12	7/24/12
Mercury	7439-97-6	NA	7471B	0.678	0.446	mg/kg	7/23/12	7/23/12
Nickel	7440-02-0	3050B	6010C	11.9	0.34	mg/kg	7/23/12	7/24/12
Selenium	7782-49-2	3050B	6010C	7.98	0.68	mg/kg	7/23/12	7/24/12
Silver	7440-22-4	3050B	6010C	ND	0.34	mg/kg	7/23/12	7/24/12
Thallium	7440-28-0	3050B	7010	ND	0.68	mg/kg	7/23/12	7/25/12
Zinc	7440-66-6	3050B	6010C	127	1.37	mg/kg	7/23/12	7/24/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Y0719-21
 Sample ID: B-39 S1
 Date collected: 7/18/12
 Matrix: Soil
 Solids, %: 93.45
 Sample Type: Total

Analyst JC/RS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	3050B	6010C	0.85	0.63	mg/kg	7/23/12	7/24/12
Arsenic	7440-38-2	3050B	6010C	6.80	0.63	mg/kg	7/23/12	7/24/12
Beryllium	7440-41-7	3050B	6010C	0.49	0.32	mg/kg	7/23/12	7/24/12
Cadmium	7440-43-9	3050B	6010C	ND	0.32	mg/kg	7/23/12	7/24/12
Chromium	7440-47-3	3050B	6010C	10.3	0.32	mg/kg	7/23/12	7/24/12
Copper	7440-50-8	3050B	6010C	19.7	1.27	mg/kg	7/23/12	7/24/12
Lead	7439-92-1	3050B	6010C	103	0.32	mg/kg	7/23/12	7/24/12
Mercury	7439-97-6	NA	7471B	0.533	0.370	mg/kg	7/23/12	7/23/12
Nickel	7440-02-0	3050B	6010C	14.4	0.32	mg/kg	7/23/12	7/24/12
Selenium	7782-49-2	3050B	6010C	8.08	0.63	mg/kg	7/23/12	7/24/12
Silver	7440-22-4	3050B	6010C	ND	0.32	mg/kg	7/23/12	7/24/12
Thallium	7440-28-0	3050B	7010	ND	0.63	mg/kg	7/23/12	7/25/12
Zinc	7440-66-6	3050B	6010C	80.6	1.27	mg/kg	7/23/12	7/24/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Y0719-21
 Sample ID: B-40 S1
 Date collected: 7/18/12
 Matrix: Soil
 Solids, %: 90.97
 Sample Type: Total

Analyst JC/RS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	3050B	6010C	183	0.66	mg/kg	7/23/12	7/24/12
Arsenic	7440-38-2	3050B	6010C	77.7	0.66	mg/kg	7/23/12	7/24/12
Beryllium	7440-41-7	3050B	6010C	0.34	0.33	mg/kg	7/23/12	7/24/12
Cadmium	7440-43-9	3050B	6010C	0.96	0.33	mg/kg	7/23/12	7/24/12
Chromium	7440-47-3	3050B	6010C	10.9	0.33	mg/kg	7/23/12	7/24/12
Copper	7440-50-8	3050B	6010C	48.9	1.33	mg/kg	7/23/12	7/24/12
Lead	7439-92-1	3050B	6010C	161000	33.2	mg/kg	7/23/12	7/24/12
Mercury	7439-97-6	NA	7471B	0.629	0.379	mg/kg	7/23/12	7/23/12
Nickel	7440-02-0	3050B	6010C	12.2	0.33	mg/kg	7/23/12	7/24/12
Selenium	7782-49-2	3050B	6010C	6.64	0.66	mg/kg	7/23/12	7/24/12
Silver	7440-22-4	3050B	6010C	1.62	0.33	mg/kg	7/23/12	7/24/12
Thallium	7440-28-0	3050B	7010	ND	0.66	mg/kg	7/23/12	7/25/12
Zinc	7440-66-6	3050B	6010C	107	1.33	mg/kg	7/23/12	7/24/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Y0719-21
 Sample ID: B-41 S1
 Date collected: 7/18/12
 Matrix: Soil
 Solids, %: 94.05
 Sample Type: Total

Analyst JC/RS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	3050B	6010C	0.77	0.72	mg/kg	7/23/12	7/24/12
Arsenic	7440-38-2	3050B	6010C	5.00	0.72	mg/kg	7/23/12	7/24/12
Beryllium	7440-41-7	3050B	6010C	ND	0.36	mg/kg	7/23/12	7/24/12
Cadmium	7440-43-9	3050B	6010C	ND	0.36	mg/kg	7/23/12	7/24/12
Chromium	7440-47-3	3050B	6010C	8.02	0.36	mg/kg	7/23/12	7/24/12
Copper	7440-50-8	3050B	6010C	26.5	1.43	mg/kg	7/23/12	7/24/12
Lead	7439-92-1	3050B	6010C	199	0.36	mg/kg	7/23/12	7/24/12
Mercury	7439-97-6	NA	7471B	0.539	0.345	mg/kg	7/23/12	7/23/12
Nickel	7440-02-0	3050B	6010C	8.88	0.36	mg/kg	7/23/12	7/24/12
Selenium	7782-49-2	3050B	6010C	7.94	0.72	mg/kg	7/23/12	7/24/12
Silver	7440-22-4	3050B	6010C	ND	0.36	mg/kg	7/23/12	7/24/12
Thallium	7440-28-0	3050B	7010	ND	0.72	mg/kg	7/23/12	7/25/12
Zinc	7440-66-6	3050B	6010C	103	1.43	mg/kg	7/23/12	7/24/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Y0719-21
 Sample ID: B-42 S1
 Date collected: 7/18/12
 Matrix: Soil
 Solids, %: 94.93
 Sample Type: Total

Analyst JC/RS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	3050B	6010C	1.04	0.63	mg/kg	7/23/12	7/24/12
Arsenic	7440-38-2	3050B	6010C	3.36	0.63	mg/kg	7/23/12	7/24/12
Beryllium	7440-41-7	3050B	6010C	0.48	0.31	mg/kg	7/23/12	7/24/12
Cadmium	7440-43-9	3050B	6010C	ND	0.31	mg/kg	7/23/12	7/24/12
Chromium	7440-47-3	3050B	6010C	6.62	0.31	mg/kg	7/23/12	7/24/12
Copper	7440-50-8	3050B	6010C	10.8	1.26	mg/kg	7/23/12	7/24/12
Lead	7439-92-1	3050B	6010C	16.5	0.31	mg/kg	7/23/12	7/24/12
Mercury	7439-97-6	NA	7471B	ND	0.074	mg/kg	7/23/12	7/23/12
Nickel	7440-02-0	3050B	6010C	15.6	0.31	mg/kg	7/23/12	7/24/12
Selenium	7782-49-2	3050B	6010C	5.68	0.63	mg/kg	7/23/12	7/24/12
Silver	7440-22-4	3050B	6010C	0.64	0.31	mg/kg	7/23/12	7/24/12
Thallium	7440-28-0	3050B	7010	ND	0.63	mg/kg	7/23/12	7/25/12
Zinc	7440-66-6	3050B	6010C	28.4	1.26	mg/kg	7/23/12	7/24/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Sample ID: Preparation Blank
 Matrix SOIL
 Solids, % 100
 Sample Type: Total

Analyst JC/RS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	3050B	6010C	ND	0.67	0.67	mg/kg	7/23/12	7/24/12
Arsenic	7440-38-2	3050B	6010C	ND	0.67	0.67	mg/kg	7/23/12	7/24/12
Beryllium	7440-41-7	3050B	6010C	ND	0.33	0.33	mg/kg	7/23/12	7/24/12
Cadmium	7440-43-9	3050B	6010C	ND	0.33	0.33	mg/kg	7/23/12	7/24/12
Chromium	7440-47-3	3050B	6010C	ND	0.33	0.33	mg/kg	7/23/12	7/24/12
Copper	7440-50-8	3050B	6010C	ND	1.33	1.33	mg/kg	7/23/12	7/24/12
Lead	7439-92-1	3050B	6010C	ND	0.33	0.33	mg/kg	7/23/12	7/24/12
Mercury	7439-97-6	NA	7471B	ND	0.067	0.067	mg/kg	7/23/12	7/23/12
Nickel	7440-02-0	3050B	6010C	ND	0.33	0.33	mg/kg	7/23/12	7/24/12
Selenium	7782-49-2	3050B	6010C	ND	0.67	0.67	mg/kg	7/23/12	7/24/12
Silver	7440-22-4	3050B	6010C	ND	0.33	0.33	mg/kg	7/23/12	7/24/12
Thallium	7440-28-0	3050B	7010	ND	0.67	0.67	mg/kg	7/23/12	7/25/12
Zinc	7440-66-6	3050B	6010C	ND	1.33	1.33	mg/kg	7/23/12	7/24/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

LABORATORY CONTROL SAMPLE RECOVERY

Parameter	True Value	Result	Units	Recovery, %	Internal		Date Analyzed
					LCL, %	UCL, %	
Antimony	66.7	66.8	mg/kg	100	80	120	7/24/12
Arsenic	13.3	12.6	mg/kg	95	80	120	7/24/12
Beryllium	13.3	13.9	mg/kg	104	80	120	7/24/12
Cadmium	66.7	60.0	mg/kg	90	80	113	7/24/12
Chromium	66.7	64.3	mg/kg	96	80	115	7/24/12
Copper	66.7	63.4	mg/kg	95	80	120	7/24/12
Lead	66.7	64.1	mg/kg	96	80	114	7/24/12
Mercury	0.133	0.129	mg/kg	97	80	120	7/23/12
Nickel	66.7	64.8	mg/kg	97	80	107	7/24/12
Selenium	13.3	12.4	mg/kg	93	80	120	7/24/12
Silver	33.3	30.3	mg/kg	91	80	120	7/24/12
Thallium	1.33	1.44	mg/kg	108	82	120	7/25/12
Zinc	66.7	61.5	mg/kg	92	80	119	7/24/12

RESULTS: PCBs

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

Sample: B-37 S1		Analyst's Initials: NS
Case No.: Y0719-21		
Date Collected: 7/18/12		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	7/24/12	7/24/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit ug/kg* (ppb)
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	64	43-97
DCBP	60	30-125

*Dry Weight Basis
N.D. = Not Detected

Sample: B-38 S1		Analyst's Initials: NS
Case No.: Y0719-21		
Date Collected: 7/18/12		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	7/24/12	7/24/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit ug/kg* (ppb)
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	58	43-97
DCBP	105	30-125

*Dry Weight Basis
 N.D. = Not Detected

Sample: B-39 S-1		Analyst's Initials: NS
Case No.: Y0719-21		
Date Collected: 7/18/12		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	7/24/12	7/24/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit ug/kg* (ppb)
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	60	43-97
DCBP	58	30-125

*Dry Weight Basis
N.D. = Not Detected

Sample: B-40 S1		Analyst's Initials: NS
Case No.: Y0719-21		
Date Collected: 7/18/12		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	7/24/12	7/24/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit ug/kg* (ppb)
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	56	43-97
DCBP	47	30-125

*Dry Weight Basis
 N.D. = Not Detected

Sample: B-41 S1		Analyst's Initials: NS
Case No.: Y0719-21		
Date Collected: 7/18/12		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	7/24/12	7/24/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit ug/kg* (ppb)
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	234	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	60	43-97
DCBP	84	30-125

*Dry Weight Basis
 N.D. = Not Detected

Sample: B-42 S1		Analyst's Initials: NS
Case No.: Y0719-21		
Date Collected: 7/18/12		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	7/24/12	7/24/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit ug/kg* (ppb)
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	63	43-97
DCBP	66	30-125

*Dry Weight Basis
 N.D. = Not Detected

Sample: Method Blank		Analyst's Initials: NS
Case No.: Y0719-21		
Date Collected: NA		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	7/24/12	7/24/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg (ppb)	Reporting Limit ug/kg (ppb)
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	70	43-97
DCBP	80	30-125

PCB Laboratory Control Spike

Sample Matrix: Soil				
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3540C	7/24/12			7/24/12
Analytical Method: EPA 8082A				
Compound	Amount Spiked mg/kg	Result mg/kg	Recovery %	Recovery Limits
Aroclor 1016	0.500	0.403	81	42-126
Aroclor 1260	0.500	0.418	84	41-142
Surrogates:				
Compound	% Recovery	Limits		
TCMX	77	43-97		
DCBP	87	30-125		

RESULTS: VOLATILE ORGANIC COMPOUNDS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-21 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-37 S3B
 Matrix: (soil/water) SOIL Lab File ID: C072355.D
 Sample wt/vol: 6.8 (g/ml) G Date Sampled: 7/18/2012
 % Moisture 4.66 Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
75-01-4	Vinyl Chloride	77	U
74-83-9	Bromomethane	77	U
75-00-3	Chloroethane	77	U
67-64-1	Acetone	380	U
75-35-4	1,1-Dichloroethene	77	U
75-15-0	Carbon Disulfide	77	U
75-09-2	Methylene Chloride	77	U
1634-04-4	tert-Butyl methyl ether	77	U
156-60-5	trans-1,2 Dichloroethene	77	U
75-34-3	1,1-Dichloroethane	77	U
78-93-3	2-Butanone	380	U
594-20-7	2,2-Dichloropropane	77	U
156-59-2	cis-1,2-Dichloroethene	77	U
67-66-3	Chloroform	77	U
74-97-5	Bromochloromethane	77	U
71-55-6	1,1,1-Trichloroethane	77	U
563-58-6	1,1-Dichloropropene	77	U
56-23-5	Carbon Tetrachloride	77	U
71-43-2	Benzene	77	U
107-06-2	1,2-Dichloroethane	77	U
79-01-6	Trichloroethene	77	U
78-87-5	1,2-Dichloropropane	77	U
75-27-4	Bromodichloromethane	77	U
74-95-3	Dibromomethane	77	U
108-10-1	4-Methyl-2-pentanone	380	U
106-93-4	Ethylene Dibromide	77	U
10061-01-5	cis-1,3-Dichloropropene	77	U
108-88-3	Toluene	77	U
10061-02-6	Trans-1,3-Dichloropropene	77	U
79-00-5	1,1,2-Trichloroethane	77	U
591-78-6	2-Hexanone	380	U
127-18-4	Tetrachloroethene	77	U
124-48-1	Chlorodibromomethane	77	U
108-90-7	Chlorobenzene	77	U
630-20-6	1,1,1,2-Tetrachloroethane	77	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-21 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-37 S3B
 Matrix: (soil/water) SOIL Lab File ID: C072355.D
 Sample wt/vol: 6.8 (g/ml) G Date Sampled: 7/18/2012
 % Moisture 4.66 Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
100-41-4	Ethylbenzene	77	U
1330-20-7	m & p-Xylene	150	U
95-47-6	o-Xylene	77	U
100-42-5	Styrene	77	U
75-25-2	Bromoform	77	U
98-82-8	Isopropylbenzene	77	U
79-34-5	1,1,2,2-Tetrachloroethane	77	U
108-86-1	Bromobenzene	77	U
96-18-4	1,2,3-Trichloropropane	77	U
95-49-8	2-Chlorotoluene	77	U
103-65-1	n-Propylbenzene	77	U
108-67-8	1,3,5-Trimethylbenzene	77	U
106-43-4	4-Chlorotoluene	77	U
98-06-6	tert-Butylbenzene	77	U
95-63-6	1,2,4-Trimethylbenzene	77	U
135-98-8	sec-Butylbenzene	820	
99-87-6	p-Isopropyltoluene	77	U
75-87-3	Chloromethane	77	U
75-65-0	tert butyl alcohol	77	U
541-73-1	1,3-Dichlorobenzene	77	U
109-99-9	Tetrahydrofuran	77	U
106-46-7	1,4-Dichlorobenzene	77	U
60-29-7	Diethyl Ether	77	U
104-51-8	n-Butylbenzene	77	U
95-50-1	1,2-Dichlorobenzene	77	U
96-12-8	1,2-Dibromo-3-chloropropane	77	U
120-82-1	1,2,4-Trichlorobenzene	77	U
87-68-3	Hexachlorobutadiene	77	U
91-20-3	Naphthalene	77	U
87-61-6	1,2,3-Trichlorobenzene	77	U
994-05-8	Tert-amyl Methyl Ether	77	U
75-71-8	Dichlorodifluoromethane	77	U
142-28-9	1,3-Dichloropropane	77	U
75-69-4	Trichlorofluoromethane	77	U
637-92-3	Ethyl Tert-butyl ether	77	U

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New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-21 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-37 S3B
 Matrix: (soil/water) SOIL Lab File ID: C072355.D
 Sample wt/vol: 6.8 (g/ml) G Date Sampled: 7/18/2012
 % Moisture 4.66 Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
108-20-3	Diisopropyl Ether	77	U
123-91-1	1,4-Dioxane	19000	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-21 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-37 S4
 Matrix: (soil/water) SOIL Lab File ID: C072356.D
 Sample wt/vol: 12.2 (g/ml) G Date Sampled: 7/18/2012
 % Moisture 5.06 Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
75-01-4	Vinyl Chloride	43	U
74-83-9	Bromomethane	43	U
75-00-3	Chloroethane	43	U
67-64-1	Acetone	220	U
75-35-4	1,1-Dichloroethene	43	U
75-15-0	Carbon Disulfide	43	U
75-09-2	Methylene Chloride	43	U
1634-04-4	tert-Butyl methyl ether	43	U
156-60-5	trans-1,2 Dichloroethene	43	U
75-34-3	1,1-Dichloroethane	43	U
78-93-3	2-Butanone	220	U
594-20-7	2,2-Dichloropropane	43	U
156-59-2	cis-1,2-Dichloroethene	43	U
67-66-3	Chloroform	43	U
74-97-5	Bromochloromethane	43	U
71-55-6	1,1,1-Trichloroethane	43	U
563-58-6	1,1-Dichloropropene	43	U
56-23-5	Carbon Tetrachloride	43	U
71-43-2	Benzene	43	U
107-06-2	1,2-Dichloroethane	43	U
79-01-6	Trichloroethene	43	U
78-87-5	1,2-Dichloropropane	43	U
75-27-4	Bromodichloromethane	43	U
74-95-3	Dibromomethane	43	U
108-10-1	4-Methyl-2-pentanone	220	U
106-93-4	Ethylene Dibromide	43	U
10061-01-5	cis-1,3-Dichloropropene	43	U
108-88-3	Toluene	43	U
10061-02-6	Trans-1,3-Dichloropropene	43	U
79-00-5	1,1,2-Trichloroethane	43	U
591-78-6	2-Hexanone	220	U
127-18-4	Tetrachloroethene	43	U
124-48-1	Chlorodibromomethane	43	U
108-90-7	Chlorobenzene	43	U
630-20-6	1,1,1,2-Tetrachloroethane	43	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-21 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-37 S4
 Matrix: (soil/water) SOIL Lab File ID: C072356.D
 Sample wt/vol: 12.2 (g/ml) G Date Sampled: 7/18/2012
 % Moisture 5.06 Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
100-41-4	Ethylbenzene	43	U
1330-20-7	m & p-Xylene	86	U
95-47-6	o-Xylene	43	U
100-42-5	Styrene	43	U
75-25-2	Bromoform	43	U
98-82-8	Isopropylbenzene	43	U
79-34-5	1,1,2,2-Tetrachloroethane	43	U
108-86-1	Bromobenzene	43	U
96-18-4	1,2,3-Trichloropropane	43	U
95-49-8	2-Chlorotoluene	43	U
103-65-1	n-Propylbenzene	43	U
108-67-8	1,3,5-Trimethylbenzene	43	U
106-43-4	4-Chlorotoluene	43	U
98-06-6	tert-Butylbenzene	43	U
95-63-6	1,2,4-Trimethylbenzene	43	U
135-98-8	sec-Butylbenzene	43	U
99-87-6	p-Isopropyltoluene	43	U
75-87-3	Chloromethane	43	U
75-65-0	tert butyl alcohol	43	U
541-73-1	1,3-Dichlorobenzene	43	U
109-99-9	Tetrahydrofuran	43	U
106-46-7	1,4-Dichlorobenzene	43	U
60-29-7	Diethyl Ether	43	U
104-51-8	n-Butylbenzene	43	U
95-50-1	1,2-Dichlorobenzene	43	U
96-12-8	1,2-Dibromo-3-chloropropane	43	U
120-82-1	1,2,4-Trichlorobenzene	43	U
87-68-3	Hexachlorobutadiene	43	U
91-20-3	Naphthalene	43	U
87-61-6	1,2,3-Trichlorobenzene	43	U
994-05-8	Tert-amyl Methyl Ether	43	U
75-71-8	Dichlorodifluoromethane	43	U
142-28-9	1,3-Dichloropropane	43	U
75-69-4	Trichlorofluoromethane	43	U
637-92-3	Ethyl Tert-butyl ether	43	U

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New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-21 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-37 S4
 Matrix: (soil/water) SOIL Lab File ID: C072356.D
 Sample wt/vol: 12.2 (g/ml) G Date Sampled: 7/18/2012
 % Moisture 5.06 Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
108-20-3	Diisopropyl Ether	43	U
123-91-1	1,4-Dioxane	11000	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-21 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-38 S3
 Matrix: (soil/water) SOIL Lab File ID: C072357.D
 Sample wt/vol: 10.2 (g/ml) G Date Sampled: 7/18/2012
 % Moisture 5.15 Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
75-01-4	Vinyl Chloride	51	U
74-83-9	Bromomethane	51	U
75-00-3	Chloroethane	51	U
67-64-1	Acetone	260	U
75-35-4	1,1-Dichloroethene	51	U
75-15-0	Carbon Disulfide	51	U
75-09-2	Methylene Chloride	51	U
1634-04-4	tert-Butyl methyl ether	51	U
156-60-5	trans-1,2 Dichloroethene	51	U
75-34-3	1,1-Dichloroethane	51	U
78-93-3	2-Butanone	260	U
594-20-7	2,2-Dichloropropane	51	U
156-59-2	cis-1,2-Dichloroethene	51	U
67-66-3	Chloroform	51	U
74-97-5	Bromochloromethane	51	U
71-55-6	1,1,1-Trichloroethane	51	U
563-58-6	1,1-Dichloropropene	51	U
56-23-5	Carbon Tetrachloride	51	U
71-43-2	Benzene	51	U
107-06-2	1,2-Dichloroethane	51	U
79-01-6	Trichloroethene	51	U
78-87-5	1,2-Dichloropropane	51	U
75-27-4	Bromodichloromethane	51	U
74-95-3	Dibromomethane	51	U
108-10-1	4-Methyl-2-pentanone	260	U
106-93-4	Ethylene Dibromide	51	U
10061-01-5	cis-1,3-Dichloropropene	51	U
108-88-3	Toluene	51	U
10061-02-6	Trans-1,3-Dichloropropene	51	U
79-00-5	1,1,2-Trichloroethane	51	U
591-78-6	2-Hexanone	260	U
127-18-4	Tetrachloroethene	51	U
124-48-1	Chlorodibromomethane	51	U
108-90-7	Chlorobenzene	51	U
630-20-6	1,1,1,2-Tetrachloroethane	51	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-21 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-38 S3
 Matrix: (soil/water) SOIL Lab File ID: C072357.D
 Sample wt/vol: 10.2 (g/ml) G Date Sampled: 7/18/2012
 % Moisture 5.15 Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
100-41-4	Ethylbenzene	51	U
1330-20-7	m & p-Xylene	100	U
95-47-6	o-Xylene	51	U
100-42-5	Styrene	51	U
75-25-2	Bromoform	51	U
98-82-8	Isopropylbenzene	51	U
79-34-5	1,1,2,2-Tetrachloroethane	51	U
108-86-1	Bromobenzene	51	U
96-18-4	1,2,3-Trichloropropane	51	U
95-49-8	2-Chlorotoluene	51	U
103-65-1	n-Propylbenzene	51	U
108-67-8	1,3,5-Trimethylbenzene	51	U
106-43-4	4-Chlorotoluene	51	U
98-06-6	tert-Butylbenzene	51	U
95-63-6	1,2,4-Trimethylbenzene	51	U
135-98-8	sec-Butylbenzene	51	U
99-87-6	p-Isopropyltoluene	51	U
75-87-3	Chloromethane	51	U
75-65-0	tert butyl alcohol	51	U
541-73-1	1,3-Dichlorobenzene	51	U
109-99-9	Tetrahydrofuran	51	U
106-46-7	1,4-Dichlorobenzene	51	U
60-29-7	Diethyl Ether	51	U
104-51-8	n-Butylbenzene	51	U
95-50-1	1,2-Dichlorobenzene	51	U
96-12-8	1,2-Dibromo-3-chloropropane	51	U
120-82-1	1,2,4-Trichlorobenzene	51	U
87-68-3	Hexachlorobutadiene	51	U
91-20-3	Naphthalene	51	U
87-61-6	1,2,3-Trichlorobenzene	51	U
994-05-8	Tert-amyl Methyl Ether	51	U
75-71-8	Dichlorodifluoromethane	51	U
142-28-9	1,3-Dichloropropane	51	U
75-69-4	Trichlorofluoromethane	51	U
637-92-3	Ethyl Tert-butyl ether	51	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-21 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-38 S3
 Matrix: (soil/water) SOIL Lab File ID: C072357.D
 Sample wt/vol: 10.2 (g/ml) G Date Sampled: 7/18/2012
 % Moisture 5.15 Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
108-20-3	Diisopropyl Ether	51	U
123-91-1	1,4-Dioxane	13000	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-21 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-39 S1B
 Matrix: (soil/water) SOIL Lab File ID: C072358.D
 Sample wt/vol: 5.1 (g/ml) G Date Sampled: 7/18/2012
 % Moisture 5.81 Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
75-01-4	Vinyl Chloride	100	U
74-83-9	Bromomethane	100	U
75-00-3	Chloroethane	100	U
67-64-1	Acetone	520	U
75-35-4	1,1-Dichloroethene	100	U
75-15-0	Carbon Disulfide	100	U
75-09-2	Methylene Chloride	100	U
1634-04-4	tert-Butyl methyl ether	100	U
156-60-5	trans-1,2 Dichloroethene	100	U
75-34-3	1,1-Dichloroethane	100	U
78-93-3	2-Butanone	520	U
594-20-7	2,2-Dichloropropane	100	U
156-59-2	cis-1,2-Dichloroethene	100	U
67-66-3	Chloroform	100	U
74-97-5	Bromochloromethane	100	U
71-55-6	1,1,1-Trichloroethane	100	U
563-58-6	1,1-Dichloropropene	100	U
56-23-5	Carbon Tetrachloride	100	U
71-43-2	Benzene	100	U
107-06-2	1,2-Dichloroethane	100	U
79-01-6	Trichloroethene	100	U
78-87-5	1,2-Dichloropropane	100	U
75-27-4	Bromodichloromethane	100	U
74-95-3	Dibromomethane	100	U
108-10-1	4-Methyl-2-pentanone	520	U
106-93-4	Ethylene Dibromide	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
108-88-3	Toluene	100	U
10061-02-6	Trans-1,3-Dichloropropene	100	U
79-00-5	1,1,2-Trichloroethane	100	U
591-78-6	2-Hexanone	520	U
127-18-4	Tetrachloroethene	440	
124-48-1	Chlorodibromomethane	100	U
108-90-7	Chlorobenzene	100	U
630-20-6	1,1,1,2-Tetrachloroethane	100	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-21 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-39 S1B
 Matrix: (soil/water) SOIL Lab File ID: C072358.D
 Sample wt/vol: 5.1 (g/ml) G Date Sampled: 7/18/2012
 % Moisture 5.81 Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
100-41-4	Ethylbenzene	100	U
1330-20-7	m & p-Xylene	210	U
95-47-6	o-Xylene	100	U
100-42-5	Styrene	100	U
75-25-2	Bromoform	100	U
98-82-8	Isopropylbenzene	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
108-86-1	Bromobenzene	100	U
96-18-4	1,2,3-Trichloropropane	100	U
95-49-8	2-Chlorotoluene	100	U
103-65-1	n-Propylbenzene	100	U
108-67-8	1,3,5-Trimethylbenzene	100	U
106-43-4	4-Chlorotoluene	100	U
98-06-6	tert-Butylbenzene	100	U
95-63-6	1,2,4-Trimethylbenzene	100	U
135-98-8	sec-Butylbenzene	100	U
99-87-6	p-Isopropyltoluene	100	U
75-87-3	Chloromethane	100	U
75-65-0	tert butyl alcohol	100	U
541-73-1	1,3-Dichlorobenzene	100	U
109-99-9	Tetrahydrofuran	100	U
106-46-7	1,4-Dichlorobenzene	100	U
60-29-7	Diethyl Ether	100	U
104-51-8	n-Butylbenzene	100	U
95-50-1	1,2-Dichlorobenzene	100	U
96-12-8	1,2-Dibromo-3-chloropropane	100	U
120-82-1	1,2,4-Trichlorobenzene	100	U
87-68-3	Hexachlorobutadiene	100	U
91-20-3	Naphthalene	100	U
87-61-6	1,2,3-Trichlorobenzene	100	U
994-05-8	Tert-amyl Methyl Ether	100	U
75-71-8	Dichlorodifluoromethane	100	U
142-28-9	1,3-Dichloropropane	100	U
75-69-4	Trichlorofluoromethane	100	U
637-92-3	Ethyl Tert-butyl ether	100	U

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New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-21 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-39 S1B
 Matrix: (soil/water) SOIL Lab File ID: C072358.D
 Sample wt/vol: 5.1 (g/ml) G Date Sampled: 7/18/2012
 % Moisture 5.81 Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
108-20-3	Diisopropyl Ether	100	U
123-91-1	1,4-Dioxane	26000	U

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New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-21 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-40 S1B
 Matrix: (soil/water) SOIL Lab File ID: C072359.D
 Sample wt/vol: 9.1 (g/ml) G Date Sampled: 7/18/2012
 % Moisture 4.14 Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
75-01-4	Vinyl Chloride	57	U
74-83-9	Bromomethane	57	U
75-00-3	Chloroethane	57	U
67-64-1	Acetone	290	U
75-35-4	1,1-Dichloroethene	57	U
75-15-0	Carbon Disulfide	57	U
75-09-2	Methylene Chloride	57	U
1634-04-4	tert-Butyl methyl ether	57	U
156-60-5	trans-1,2 Dichloroethene	57	U
75-34-3	1,1-Dichloroethane	57	U
78-93-3	2-Butanone	290	U
594-20-7	2,2-Dichloropropane	57	U
156-59-2	cis-1,2-Dichloroethene	57	U
67-66-3	Chloroform	57	U
74-97-5	Bromochloromethane	57	U
71-55-6	1,1,1-Trichloroethane	57	U
563-58-6	1,1-Dichloropropene	57	U
56-23-5	Carbon Tetrachloride	57	U
71-43-2	Benzene	57	U
107-06-2	1,2-Dichloroethane	57	U
79-01-6	Trichloroethene	57	U
78-87-5	1,2-Dichloropropane	57	U
75-27-4	Bromodichloromethane	57	U
74-95-3	Dibromomethane	57	U
108-10-1	4-Methyl-2-pentanone	290	U
106-93-4	Ethylene Dibromide	57	U
10061-01-5	cis-1,3-Dichloropropene	57	U
108-88-3	Toluene	57	U
10061-02-6	Trans-1,3-Dichloropropene	57	U
79-00-5	1,1,2-Trichloroethane	57	U
591-78-6	2-Hexanone	290	U
127-18-4	Tetrachloroethene	250	
124-48-1	Chlorodibromomethane	57	U
108-90-7	Chlorobenzene	57	U
630-20-6	1,1,1,2-Tetrachloroethane	57	U

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New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-21 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-40 S1B
 Matrix: (soil/water) SOIL Lab File ID: C072359.D
 Sample wt/vol: 9.1 (g/ml) G Date Sampled: 7/18/2012
 % Moisture 4.14 Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
100-41-4	Ethylbenzene	57	U
1330-20-7	m & p-Xylene	110	U
95-47-6	o-Xylene	57	U
100-42-5	Styrene	57	U
75-25-2	Bromoform	57	U
98-82-8	Isopropylbenzene	57	U
79-34-5	1,1,2,2-Tetrachloroethane	57	U
108-86-1	Bromobenzene	57	U
96-18-4	1,2,3-Trichloropropane	57	U
95-49-8	2-Chlorotoluene	57	U
103-65-1	n-Propylbenzene	57	U
108-67-8	1,3,5-Trimethylbenzene	57	U
106-43-4	4-Chlorotoluene	57	U
98-06-6	tert-Butylbenzene	57	U
95-63-6	1,2,4-Trimethylbenzene	57	U
135-98-8	sec-Butylbenzene	57	U
99-87-6	p-Isopropyltoluene	57	U
75-87-3	Chloromethane	57	U
75-65-0	tert butyl alcohol	57	U
541-73-1	1,3-Dichlorobenzene	57	U
109-99-9	Tetrahydrofuran	57	U
106-46-7	1,4-Dichlorobenzene	57	U
60-29-7	Diethyl Ether	57	U
104-51-8	n-Butylbenzene	57	U
95-50-1	1,2-Dichlorobenzene	57	U
96-12-8	1,2-Dibromo-3-chloropropane	57	U
120-82-1	1,2,4-Trichlorobenzene	57	U
87-68-3	Hexachlorobutadiene	57	U
91-20-3	Naphthalene	57	U
87-61-6	1,2,3-Trichlorobenzene	57	U
994-05-8	Tert-amyl Methyl Ether	57	U
75-71-8	Dichlorodifluoromethane	57	U
142-28-9	1,3-Dichloropropane	57	U
75-69-4	Trichlorofluoromethane	57	U
637-92-3	Ethyl Tert-butyl ether	57	U

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New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-21 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-40 S1B
 Matrix: (soil/water) SOIL Lab File ID: C072359.D
 Sample wt/vol: 9.1 (g/ml) G Date Sampled: 7/18/2012
 % Moisture 4.14 Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
108-20-3	Diisopropyl Ether	57	U
123-91-1	1,4-Dioxane	14000	U

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New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-21 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-41 S2A
 Matrix: (soil/water) SOIL Lab File ID: C072360.D
 Sample wt/vol: 6.8 (g/ml) G Date Sampled: 7/18/2012
 % Moisture 9.79 Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
75-01-4	Vinyl Chloride	81	U
74-83-9	Bromomethane	81	U
75-00-3	Chloroethane	81	U
67-64-1	Acetone	410	U
75-35-4	1,1-Dichloroethene	81	U
75-15-0	Carbon Disulfide	81	U
75-09-2	Methylene Chloride	81	U
1634-04-4	tert-Butyl methyl ether	81	U
156-60-5	trans-1,2 Dichloroethene	81	U
75-34-3	1,1-Dichloroethane	81	U
78-93-3	2-Butanone	410	U
594-20-7	2,2-Dichloropropane	81	U
156-59-2	cis-1,2-Dichloroethene	81	U
67-66-3	Chloroform	81	U
74-97-5	Bromochloromethane	81	U
71-55-6	1,1,1-Trichloroethane	81	U
563-58-6	1,1-Dichloropropene	81	U
56-23-5	Carbon Tetrachloride	81	U
71-43-2	Benzene	81	U
107-06-2	1,2-Dichloroethane	81	U
79-01-6	Trichloroethene	81	U
78-87-5	1,2-Dichloropropane	81	U
75-27-4	Bromodichloromethane	81	U
74-95-3	Dibromomethane	81	U
108-10-1	4-Methyl-2-pentanone	410	U
106-93-4	Ethylene Dibromide	81	U
10061-01-5	cis-1,3-Dichloropropene	81	U
108-88-3	Toluene	81	U
10061-02-6	Trans-1,3-Dichloropropene	81	U
79-00-5	1,1,2-Trichloroethane	81	U
591-78-6	2-Hexanone	410	U
127-18-4	Tetrachloroethene	81	U
124-48-1	Chlorodibromomethane	81	U
108-90-7	Chlorobenzene	81	U
630-20-6	1,1,1,2-Tetrachloroethane	81	U

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New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-21 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-41 S2A
 Matrix: (soil/water) SOIL Lab File ID: C072360.D
 Sample wt/vol: 6.8 (g/ml) G Date Sampled: 7/18/2012
 % Moisture 9.79 Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
100-41-4	Ethylbenzene	81	U
1330-20-7	m & p-Xylene	160	U
95-47-6	o-Xylene	81	U
100-42-5	Styrene	81	U
75-25-2	Bromoform	81	U
98-82-8	Isopropylbenzene	81	U
79-34-5	1,1,2,2-Tetrachloroethane	81	U
108-86-1	Bromobenzene	81	U
96-18-4	1,2,3-Trichloropropane	81	U
95-49-8	2-Chlorotoluene	81	U
103-65-1	n-Propylbenzene	81	U
108-67-8	1,3,5-Trimethylbenzene	81	U
106-43-4	4-Chlorotoluene	81	U
98-06-6	tert-Butylbenzene	81	U
95-63-6	1,2,4-Trimethylbenzene	260	
135-98-8	sec-Butylbenzene	110	
99-87-6	p-Isopropyltoluene	340	
75-87-3	Chloromethane	81	U
75-65-0	tert butyl alcohol	81	U
541-73-1	1,3-Dichlorobenzene	81	U
109-99-9	Tetrahydrofuran	81	U
106-46-7	1,4-Dichlorobenzene	81	U
60-29-7	Diethyl Ether	81	U
104-51-8	n-Butylbenzene	220	
95-50-1	1,2-Dichlorobenzene	81	U
96-12-8	1,2-Dibromo-3-chloropropane	81	U
120-82-1	1,2,4-Trichlorobenzene	81	U
87-68-3	Hexachlorobutadiene	81	U
91-20-3	Naphthalene	81	U
87-61-6	1,2,3-Trichlorobenzene	81	U
994-05-8	Tert-amyl Methyl Ether	81	U
75-71-8	Dichlorodifluoromethane	81	U
142-28-9	1,3-Dichloropropane	81	U
75-69-4	Trichlorofluoromethane	81	U
637-92-3	Ethyl Tert-butyl ether	81	U

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New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-21 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-41 S2A
 Matrix: (soil/water) SOIL Lab File ID: C072360.D
 Sample wt/vol: 6.8 (g/ml) G Date Sampled: 7/18/2012
 % Moisture 9.79 Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
108-20-3	Diisopropyl Ether	81	U
123-91-1	1,4-Dioxane	20000	U

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New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-21 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-41 S3B
 Matrix: (soil/water) SOIL Lab File ID: C072361.D
 Sample wt/vol: 9.1 (g/ml) G Date Sampled: 7/18/2012
 % Moisture 4.56 Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
75-01-4	Vinyl Chloride	58	U
74-83-9	Bromomethane	58	U
75-00-3	Chloroethane	58	U
67-64-1	Acetone	290	U
75-35-4	1,1-Dichloroethene	58	U
75-15-0	Carbon Disulfide	58	U
75-09-2	Methylene Chloride	58	U
1634-04-4	tert-Butyl methyl ether	58	U
156-60-5	trans-1,2 Dichloroethene	58	U
75-34-3	1,1-Dichloroethane	58	U
78-93-3	2-Butanone	290	U
594-20-7	2,2-Dichloropropane	58	U
156-59-2	cis-1,2-Dichloroethene	58	U
67-66-3	Chloroform	58	U
74-97-5	Bromochloromethane	58	U
71-55-6	1,1,1-Trichloroethane	58	U
563-58-6	1,1-Dichloropropene	58	U
56-23-5	Carbon Tetrachloride	58	U
71-43-2	Benzene	58	U
107-06-2	1,2-Dichloroethane	58	U
79-01-6	Trichloroethene	58	U
78-87-5	1,2-Dichloropropane	58	U
75-27-4	Bromodichloromethane	58	U
74-95-3	Dibromomethane	58	U
108-10-1	4-Methyl-2-pentanone	290	U
106-93-4	Ethylene Dibromide	58	U
10061-01-5	cis-1,3-Dichloropropene	58	U
108-88-3	Toluene	58	U
10061-02-6	Trans-1,3-Dichloropropene	58	U
79-00-5	1,1,2-Trichloroethane	58	U
591-78-6	2-Hexanone	290	U
127-18-4	Tetrachloroethene	58	U
124-48-1	Chlorodibromomethane	58	U
108-90-7	Chlorobenzene	58	U
630-20-6	1,1,1,2-Tetrachloroethane	58	U

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New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-21 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-41 S3B
 Matrix: (soil/water) SOIL Lab File ID: C072361.D
 Sample wt/vol: 9.1 (g/ml) G Date Sampled: 7/18/2012
 % Moisture 4.56 Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
100-41-4	Ethylbenzene	58	U
1330-20-7	m & p-Xylene	120	U
95-47-6	o-Xylene	58	U
100-42-5	Styrene	58	U
75-25-2	Bromoform	58	U
98-82-8	Isopropylbenzene	58	U
79-34-5	1,1,2,2-Tetrachloroethane	58	U
108-86-1	Bromobenzene	58	U
96-18-4	1,2,3-Trichloropropane	58	U
95-49-8	2-Chlorotoluene	58	U
103-65-1	n-Propylbenzene	270	
108-67-8	1,3,5-Trimethylbenzene	240	
106-43-4	4-Chlorotoluene	58	U
98-06-6	tert-Butylbenzene	58	U
95-63-6	1,2,4-Trimethylbenzene	6100	
135-98-8	sec-Butylbenzene	650	
99-87-6	p-Isopropyltoluene	370	
75-87-3	Chloromethane	58	U
75-65-0	tert butyl alcohol	58	U
541-73-1	1,3-Dichlorobenzene	58	U
109-99-9	Tetrahydrofuran	58	U
106-46-7	1,4-Dichlorobenzene	58	U
60-29-7	Diethyl Ether	58	U
104-51-8	n-Butylbenzene	790	
95-50-1	1,2-Dichlorobenzene	58	U
96-12-8	1,2-Dibromo-3-chloropropane	58	U
120-82-1	1,2,4-Trichlorobenzene	58	U
87-68-3	Hexachlorobutadiene	58	U
91-20-3	Naphthalene	2300	
87-61-6	1,2,3-Trichlorobenzene	58	U
994-05-8	Tert-amyl Methyl Ether	58	U
75-71-8	Dichlorodifluoromethane	58	U
142-28-9	1,3-Dichloropropane	58	U
75-69-4	Trichlorofluoromethane	58	U
637-92-3	Ethyl Tert-butyl ether	58	U

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New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-21 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-41 S3B
 Matrix: (soil/water) SOIL Lab File ID: C072361.D
 Sample wt/vol: 9.1 (g/ml) G Date Sampled: 7/18/2012
 % Moisture 4.56 Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
108-20-3	Diisopropyl Ether	58	U
123-91-1	1,4-Dioxane	14000	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-21 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-41 S4B
 Matrix: (soil/water) SOIL Lab File ID: C072407.D
 Sample wt/vol: 8.5 (g/ml) G Date Sampled: 7/18/2012
 % Moisture 0 Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
75-01-4	Vinyl Chloride	59	U
74-83-9	Bromomethane	59	U
75-00-3	Chloroethane	59	U
67-64-1	Acetone	300	U
75-35-4	1,1-Dichloroethene	59	U
75-15-0	Carbon Disulfide	59	U
75-09-2	Methylene Chloride	59	U
1634-04-4	tert-Butyl methyl ether	59	U
156-60-5	trans-1,2 Dichloroethene	59	U
75-34-3	1,1-Dichloroethane	59	U
78-93-3	2-Butanone	300	U
594-20-7	2,2-Dichloropropane	59	U
156-59-2	cis-1,2-Dichloroethene	59	U
67-66-3	Chloroform	59	U
74-97-5	Bromochloromethane	59	U
71-55-6	1,1,1-Trichloroethane	59	U
563-58-6	1,1-Dichloropropene	59	U
56-23-5	Carbon Tetrachloride	59	U
71-43-2	Benzene	59	U
107-06-2	1,2-Dichloroethane	59	U
79-01-6	Trichloroethene	59	U
78-87-5	1,2-Dichloropropane	59	U
75-27-4	Bromodichloromethane	59	U
74-95-3	Dibromomethane	59	U
108-10-1	4-Methyl-2-pentanone	300	U
106-93-4	Ethylene Dibromide	59	U
10061-01-5	cis-1,3-Dichloropropene	59	U
108-88-3	Toluene	59	U
10061-02-6	Trans-1,3-Dichloropropene	59	U
79-00-5	1,1,2-Trichloroethane	59	U
591-78-6	2-Hexanone	300	U
127-18-4	Tetrachloroethene	59	U
124-48-1	Chlorodibromomethane	59	U
108-90-7	Chlorobenzene	59	U
630-20-6	1,1,1,2-Tetrachloroethane	59	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-21 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-41 S4B
 Matrix: (soil/water) SOIL Lab File ID: C072407.D
 Sample wt/vol: 8.5 (g/ml) G Date Sampled: 7/18/2012
 % Moisture 0 Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
100-41-4	Ethylbenzene	59	U
1330-20-7	m & p-Xylene	120	U
95-47-6	o-Xylene	59	U
100-42-5	Styrene	59	U
75-25-2	Bromoform	59	U
98-82-8	Isopropylbenzene	59	U
79-34-5	1,1,2,2-Tetrachloroethane	59	U
108-86-1	Bromobenzene	59	U
96-18-4	1,2,3-Trichloropropane	59	U
95-49-8	2-Chlorotoluene	59	U
103-65-1	n-Propylbenzene	59	U
108-67-8	1,3,5-Trimethylbenzene	59	U
106-43-4	4-Chlorotoluene	59	U
98-06-6	tert-Butylbenzene	59	U
95-63-6	1,2,4-Trimethylbenzene	59	U
135-98-8	sec-Butylbenzene	70	
99-87-6	p-Isopropyltoluene	59	U
75-87-3	Chloromethane	59	U
75-65-0	tert butyl alcohol	59	U
541-73-1	1,3-Dichlorobenzene	59	U
109-99-9	Tetrahydrofuran	59	U
106-46-7	1,4-Dichlorobenzene	59	U
60-29-7	Diethyl Ether	59	U
104-51-8	n-Butylbenzene	59	U
95-50-1	1,2-Dichlorobenzene	59	U
96-12-8	1,2-Dibromo-3-chloropropane	59	U
120-82-1	1,2,4-Trichlorobenzene	59	U
87-68-3	Hexachlorobutadiene	59	U
91-20-3	Naphthalene	59	U
87-61-6	1,2,3-Trichlorobenzene	59	U
994-05-8	Tert-amyl Methyl Ether	59	U
75-71-8	Dichlorodifluoromethane	59	U
142-28-9	1,3-Dichloropropane	59	U
75-69-4	Trichlorofluoromethane	59	U
637-92-3	Ethyl Tert-butyl ether	59	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-21 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-41 S4B
 Matrix: (soil/water) SOIL Lab File ID: C072407.D
 Sample wt/vol: 8.5 (g/ml) G Date Sampled: 7/18/2012
 % Moisture 0 Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
108-20-3	Diisopropyl Ether	59	U
123-91-1	1,4-Dioxane	15000	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-21 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-42 S3
 Matrix: (soil/water) SOIL Lab File ID: C072363.D
 Sample wt/vol: 8.2 (g/ml) G Date Sampled: 7/18/2012
 % Moisture 2.85 Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
75-01-4	Vinyl Chloride	63	U
74-83-9	Bromomethane	63	U
75-00-3	Chloroethane	63	U
67-64-1	Acetone	320	U
75-35-4	1,1-Dichloroethene	63	U
75-15-0	Carbon Disulfide	63	U
75-09-2	Methylene Chloride	63	U
1634-04-4	tert-Butyl methyl ether	63	U
156-60-5	trans-1,2 Dichloroethene	63	U
75-34-3	1,1-Dichloroethane	63	U
78-93-3	2-Butanone	320	U
594-20-7	2,2-Dichloropropane	63	U
156-59-2	cis-1,2-Dichloroethene	63	U
67-66-3	Chloroform	63	U
74-97-5	Bromochloromethane	63	U
71-55-6	1,1,1-Trichloroethane	63	U
563-58-6	1,1-Dichloropropene	63	U
56-23-5	Carbon Tetrachloride	63	U
71-43-2	Benzene	63	U
107-06-2	1,2-Dichloroethane	63	U
79-01-6	Trichloroethene	63	U
78-87-5	1,2-Dichloropropane	63	U
75-27-4	Bromodichloromethane	63	U
74-95-3	Dibromomethane	63	U
108-10-1	4-Methyl-2-pentanone	320	U
106-93-4	Ethylene Dibromide	63	U
10061-01-5	cis-1,3-Dichloropropene	63	U
108-88-3	Toluene	63	U
10061-02-6	Trans-1,3-Dichloropropene	63	U
79-00-5	1,1,2-Trichloroethane	63	U
591-78-6	2-Hexanone	320	U
127-18-4	Tetrachloroethene	63	U
124-48-1	Chlorodibromomethane	63	U
108-90-7	Chlorobenzene	63	U
630-20-6	1,1,1,2-Tetrachloroethane	63	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-21 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-42 S3
 Matrix: (soil/water) SOIL Lab File ID: C072363.D
 Sample wt/vol: 8.2 (g/ml) G Date Sampled: 7/18/2012
 % Moisture 2.85 Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
100-41-4	Ethylbenzene	63	U
1330-20-7	m & p-Xylene	130	U
95-47-6	o-Xylene	63	U
100-42-5	Styrene	63	U
75-25-2	Bromoform	63	U
98-82-8	Isopropylbenzene	63	U
79-34-5	1,1,2,2-Tetrachloroethane	63	U
108-86-1	Bromobenzene	63	U
96-18-4	1,2,3-Trichloropropane	63	U
95-49-8	2-Chlorotoluene	63	U
103-65-1	n-Propylbenzene	63	U
108-67-8	1,3,5-Trimethylbenzene	63	U
106-43-4	4-Chlorotoluene	63	U
98-06-6	tert-Butylbenzene	63	U
95-63-6	1,2,4-Trimethylbenzene	63	U
135-98-8	sec-Butylbenzene	63	U
99-87-6	p-Isopropyltoluene	63	U
75-87-3	Chloromethane	63	U
75-65-0	tert butyl alcohol	63	U
541-73-1	1,3-Dichlorobenzene	63	U
109-99-9	Tetrahydrofuran	63	U
106-46-7	1,4-Dichlorobenzene	63	U
60-29-7	Diethyl Ether	63	U
104-51-8	n-Butylbenzene	63	U
95-50-1	1,2-Dichlorobenzene	63	U
96-12-8	1,2-Dibromo-3-chloropropane	63	U
120-82-1	1,2,4-Trichlorobenzene	63	U
87-68-3	Hexachlorobutadiene	63	U
91-20-3	Naphthalene	63	U
87-61-6	1,2,3-Trichlorobenzene	63	U
994-05-8	Tert-amyl Methyl Ether	63	U
75-71-8	Dichlorodifluoromethane	63	U
142-28-9	1,3-Dichloropropane	63	U
75-69-4	Trichlorofluoromethane	63	U
637-92-3	Ethyl Tert-butyl ether	63	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-21 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-42 S3
 Matrix: (soil/water) SOIL Lab File ID: C072363.D
 Sample wt/vol: 8.2 (g/ml) G Date Sampled: 7/18/2012
 % Moisture 2.85 Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
108-20-3	Diisopropyl Ether	63	U
123-91-1	1,4-Dioxane	16000	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-21 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: VBLK072312-2
 Matrix: (soil/water) SOIL Lab File ID: C072354.D
 Sample wt/vol: 10.0 (g/ml) G Date Sampled: 7/18/2012
 % Moisture 0 Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
75-01-4	Vinyl Chloride	50	U
74-83-9	Bromomethane	50	U
75-00-3	Chloroethane	50	U
67-64-1	Acetone	250	U
75-35-4	1,1-Dichloroethene	50	U
75-15-0	Carbon Disulfide	50	U
75-09-2	Methylene Chloride	50	U
1634-04-4	tert-Butyl methyl ether	50	U
156-60-5	trans-1,2 Dichloroethene	50	U
75-34-3	1,1-Dichloroethane	50	U
78-93-3	2-Butanone	250	U
594-20-7	2,2-Dichloropropane	50	U
156-59-2	cis-1,2-Dichloroethene	50	U
67-66-3	Chloroform	50	U
74-97-5	Bromochloromethane	50	U
71-55-6	1,1,1-Trichloroethane	50	U
563-58-6	1,1-Dichloropropene	50	U
56-23-5	Carbon Tetrachloride	50	U
71-43-2	Benzene	50	U
107-06-2	1,2-Dichloroethane	50	U
79-01-6	Trichloroethene	50	U
78-87-5	1,2-Dichloropropane	50	U
75-27-4	Bromodichloromethane	50	U
74-95-3	Dibromomethane	50	U
108-10-1	4-Methyl-2-pentanone	250	U
106-93-4	Ethylene Dibromide	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
108-88-3	Toluene	50	U
10061-02-6	Trans-1,3-Dichloropropene	50	U
79-00-5	1,1,2-Trichloroethane	50	U
591-78-6	2-Hexanone	250	U
127-18-4	Tetrachloroethene	50	U
124-48-1	Chlorodibromomethane	50	U
108-90-7	Chlorobenzene	50	U
630-20-6	1,1,1,2-Tetrachloroethane	50	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-21 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: VBLK072312-2
 Matrix: (soil/water) SOIL Lab File ID: C072354.D
 Sample wt/vol: 10.0 (g/ml) G Date Sampled: 7/18/2012
 % Moisture 0 Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
100-41-4	Ethylbenzene	50	U
1330-20-7	m & p-Xylene	100	U
95-47-6	o-Xylene	50	U
100-42-5	Styrene	50	U
75-25-2	Bromoform	50	U
98-82-8	Isopropylbenzene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-86-1	Bromobenzene	50	U
96-18-4	1,2,3-Trichloropropane	50	U
95-49-8	2-Chlorotoluene	50	U
103-65-1	n-Propylbenzene	50	U
108-67-8	1,3,5-Trimethylbenzene	50	U
106-43-4	4-Chlorotoluene	50	U
98-06-6	tert-Butylbenzene	50	U
95-63-6	1,2,4-Trimethylbenzene	50	U
135-98-8	sec-Butylbenzene	50	U
99-87-6	p-Isopropyltoluene	50	U
75-87-3	Chloromethane	50	U
75-65-0	tert butyl alcohol	50	U
541-73-1	1,3-Dichlorobenzene	50	U
109-99-9	Tetrahydrofuran	50	U
106-46-7	1,4-Dichlorobenzene	50	U
60-29-7	Diethyl Ether	50	U
104-51-8	n-Butylbenzene	50	U
95-50-1	1,2-Dichlorobenzene	50	U
96-12-8	1,2-Dibromo-3-chloropropane	50	U
120-82-1	1,2,4-Trichlorobenzene	50	U
87-68-3	Hexachlorobutadiene	50	U
91-20-3	Naphthalene	50	U
87-61-6	1,2,3-Trichlorobenzene	50	U
994-05-8	Tert-amyl Methyl Ether	50	U
75-71-8	Dichlorodifluoromethane	50	U
142-28-9	1,3-Dichloropropane	50	U
75-69-4	Trichlorofluoromethane	50	U
637-92-3	Ethyl Tert-butyl ether	50	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-21 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: VBLK072312-2
 Matrix: (soil/water) SOIL Lab File ID: C072354.D
 Sample wt/vol: 10.0 (g/ml) G Date Sampled: 7/18/2012
 % Moisture 0 Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
108-20-3	Diisopropyl Ether	50	U
123-91-1	1,4-Dioxane	12000	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-21 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: VBLK072412
 Matrix: (soil/water) SOIL Lab File ID: C072406.D
 Sample wt/vol: 10.0 (g/ml) G Date Sampled: 7/18/2012
 % Moisture 0 Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
75-01-4	Vinyl Chloride	50	U
74-83-9	Bromomethane	50	U
75-00-3	Chloroethane	50	U
67-64-1	Acetone	250	U
75-35-4	1,1-Dichloroethene	50	U
75-15-0	Carbon Disulfide	50	U
75-09-2	Methylene Chloride	50	U
1634-04-4	tert-Butyl methyl ether	50	U
156-60-5	trans-1,2 Dichloroethene	50	U
75-34-3	1,1-Dichloroethane	50	U
78-93-3	2-Butanone	250	U
594-20-7	2,2-Dichloropropane	50	U
156-59-2	cis-1,2-Dichloroethene	50	U
67-66-3	Chloroform	50	U
74-97-5	Bromochloromethane	50	U
71-55-6	1,1,1-Trichloroethane	50	U
563-58-6	1,1-Dichloropropene	50	U
56-23-5	Carbon Tetrachloride	50	U
71-43-2	Benzene	50	U
107-06-2	1,2-Dichloroethane	50	U
79-01-6	Trichloroethene	50	U
78-87-5	1,2-Dichloropropane	50	U
75-27-4	Bromodichloromethane	50	U
74-95-3	Dibromomethane	50	U
108-10-1	4-Methyl-2-pentanone	250	U
106-93-4	Ethylene Dibromide	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
108-88-3	Toluene	50	U
10061-02-6	Trans-1,3-Dichloropropene	50	U
79-00-5	1,1,2-Trichloroethane	50	U
591-78-6	2-Hexanone	250	U
127-18-4	Tetrachloroethene	50	U
124-48-1	Chlorodibromomethane	50	U
108-90-7	Chlorobenzene	50	U
630-20-6	1,1,1,2-Tetrachloroethane	50	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-21 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: VBLK072412
 Matrix: (soil/water) SOIL Lab File ID: C072406.D
 Sample wt/vol: 10.0 (g/ml) G Date Sampled: 7/18/2012
 % Moisture 0 Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
100-41-4	Ethylbenzene	50	U
1330-20-7	m & p-Xylene	100	U
95-47-6	o-Xylene	50	U
100-42-5	Styrene	50	U
75-25-2	Bromoform	50	U
98-82-8	Isopropylbenzene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-86-1	Bromobenzene	50	U
96-18-4	1,2,3-Trichloropropane	50	U
95-49-8	2-Chlorotoluene	50	U
103-65-1	n-Propylbenzene	50	U
108-67-8	1,3,5-Trimethylbenzene	50	U
106-43-4	4-Chlorotoluene	50	U
98-06-6	tert-Butylbenzene	50	U
95-63-6	1,2,4-Trimethylbenzene	50	U
135-98-8	sec-Butylbenzene	50	U
99-87-6	p-Isopropyltoluene	50	U
75-87-3	Chloromethane	50	U
75-65-0	tert butyl alcohol	50	U
541-73-1	1,3-Dichlorobenzene	50	U
109-99-9	Tetrahydrofuran	50	U
106-46-7	1,4-Dichlorobenzene	50	U
60-29-7	Diethyl Ether	50	U
104-51-8	n-Butylbenzene	50	U
95-50-1	1,2-Dichlorobenzene	50	U
96-12-8	1,2-Dibromo-3-chloropropane	50	U
120-82-1	1,2,4-Trichlorobenzene	50	U
87-68-3	Hexachlorobutadiene	50	U
91-20-3	Naphthalene	50	U
87-61-6	1,2,3-Trichlorobenzene	50	U
994-05-8	Tert-amyl Methyl Ether	50	U
75-71-8	Dichlorodifluoromethane	50	U
142-28-9	1,3-Dichloropropane	50	U
75-69-4	Trichlorofluoromethane	50	U
637-92-3	Ethyl Tert-butyl ether	50	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-21 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: VBLK072412
 Matrix: (soil/water) SOIL Lab File ID: C072406.D
 Sample wt/vol: 10.0 (g/ml) G Date Sampled: 7/18/2012
 % Moisture 0 Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
108-20-3	Diisopropyl Ether	50	U
123-91-1	1,4-Dioxane	12000	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: New England Testing Laboratory Contract: S2244-QAS, New

Lab Code: RI010 Case No.: Y0719-21 SAS No.: Sage E SDG No.: Sage Envi

Level: (low/med) MED

	EPA SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	TOT OUT
01	VLCS072312-2	102	107	102	0
02	VBLK072312-2	92	102	98	0
03	B-37 S3B	119	104	93	0
04	B-37 S4	98	100	92	0
05	B-38 S3	98	103	96	0
06	B-39 S1B	103	102	96	0
07	B-40 S1B	106	103	95	0
08	B-41 S2A	95	100	93	0
09	B-41 S3B	99	102	93	0
10	B-42 S3	97	104	98	0
11	VLCS072412	104	99	89	0
12	VBLK072412	92	104	96	0
13	B-41 S4B	98	104	99	0

QC LIMITS

SMC1 = 4-Bromofluorobenzene (70-130)
 SMC2 = Toluene-D8 (70-130)
 SMC3 = 1,2-Dichloroethane-D4 (70-130)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D System Monitoring Compound diluted out

New England Testing Laboratory, Inc.

Volatile Organics Laboratory Control Spike

Date Analyzed:07/24/2012

Sample ID: VLCS072312-2

Compound	Spike Added	Spike Result	Recovery, %	Lower Control Limit, %	Upper Control Limit, %
1,1-Dichloroethene	50.0	57.9	116	70	129
Benzene	50.0	58.8	118	73	129
Trichloroethene	50.0	59.8	120	77	122
Toluene	50.0	57.0	114	75	123
Chlorobenzene	50.0	51.0	102	73	125

Volatile Organics Laboratory Control Spike

Date Analyzed:07/24/2012

Sample ID: VLCS072412

Compound	Spike Added	Spike Result	Recovery, %	Lower Control Limit, %	Upper Control Limit, %
1,1-Dichloroethene	50.0	52.8	106	70	129
Benzene	50.0	56.2	112	73	129
Trichloroethene	50.0	58.2	116	77	122
Toluene	50.0	60.3	121	75	123
Chlorobenzene	50.0	54.8	110	73	125

40719.21

lot 2

NEW ENGLAND TESTING LABORATORY, INC.
 1254 Douglas Avenue
 North Providence, RI 02904
 1-888-863-8522

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME/LOCATION	REPORT TO:		INVOICE TO:		DATE	TIME	G C O M P	G R A B	SAMPLE I.D.	ACQ	EODS	SOIL	OTHER	NO. OF CONTAINERS	PRESERVATIVE	TESTS**	REMARKS
		CLIENT	CLIENT															
S2044	QAS - NEWPORT, RI	SARGE Environmental, Inc	SARGE Environmental, Inc			7/12/00	0900	X		B-37 S1			X		2x402 NON			
										B-37 S3 B			X		1x402 NON 1x40ml MCDH			
										B-37 S4			X		1x402 NON 1x40ml MCDH			
							1100			B-38 S1			X		2x402 NON			
							1200			B-38 S3			X		1x402 NON 1x40ml MCDH			
							1100			B-39 S1			X		2x402 NON			
							1100			B-39 S1B			X		1x402 NON 1x40ml MCDH			
							1200			B-40 S1			X		2x402 NON			
							1200			B-40 S1B			X		1x402 NON 1x40ml MCDH			
							1230			B-41 S1			X		2x402 NON			
										B-41 S2A			X		1x402 NON 1x40ml MCDH			
										B-41 S3B			X		1x402 NON 1x40ml MCDH			
										B-41 S413			X		1x402 NON 1x40ml MCDH			
							1400			B-42 S1			X		2x402 NON			

Sampled by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Cathy Arame</i>	7/19/00 8:20	<i>Art Darrow</i>	7-19-00 8:20
<i>Art Darrow</i>	7-14-00 2:25 PM	<i>J. Duluwa</i>	7/19/00 14:25

Special Instructions:	Turnaround (Business Days)
List Specific Detection Limit Requirements:	

**Netlab subcontracts the following tests: Radiologicals, Radon, Asbestos, UCMFs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

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REPORT OF ANALYTICAL RESULTS

NETLAB Case Number Y0719-20A

Sage Project #S2244

Prepared for:

Sage Environmental
172 Armistice Boulevard
Pawtucket, RI 02860

Report Date: July 30, 2012

Reviewed by:

Richard Warila
Laboratory Director

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue, North Providence, RI 02904

(401) 353-3420

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on July 19, 2012 and additional analysis was requested July 27, 2012. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the samples provided to us by the client which are indicated on the custody record. The case number for this sample submission is Y0719-20A.

Custody records are included in this report.

Site: S2244 – QAS, Newport, RI

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
B-43 S1	7/18/12	Soil	Table II
B-44 S1	7/18/12	Soil	Table II
B-45 S1	7/18/12	Soil	Table II
B-46 S1	7/18/12	Soil	Table II
B-47 S1	7/18/12	Soil	Table II
B-48 S1	7/18/12	Soil	Table II
B-49 S1	7/18/12	Soil	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Total Metals		
Lead	3050B	6010C

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

CASE NARRATIVE:

Sample Receipt:

No trip blank was supplied unless it was identified in such a manner as to be un-interpretable by the laboratory. No field blank was supplied unless it was identified in such a manner as to be un-interpretable by the laboratory. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits).

The samples were all appropriately cooled and preserved upon receipt.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

Metals:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

METALS RESULTS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Metals Analysis Department certifies that the results included in this section have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

New England Testing Laboratory, Inc.

METALS RESULTS



Case Number: Y0719-20A
 Sample ID: B-43 S1
 Date collected: 7/18/12
 Matrix: Soil
 Solids, %: 92.7
 Sample Type: Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Lead	7439-92-1	3050B	6010C	59.9	0.31	mg/kg	7/30/12	7/30/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Y0719-20A
 Sample ID: B-44 S1
 Date collected: 7/18/12
 Matrix: Soil
 Solids, %: 95.07
 Sample Type: Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Lead	7439-92-1	3050B	6010C	145	0.28	mg/kg	7/30/12	7/30/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Y0719-20A
 Sample ID: B-45 S1
 Date collected: 7/18/12
 Matrix: Soil
 Solids, %: 94.32
 Sample Type: Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Lead	7439-92-1	3050B	6010C	134	0.30	mg/kg	7/30/12	7/30/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Y0719-20A
 Sample ID: B-46 S1
 Date collected: 7/18/12
 Matrix: Soil
 Solids, %: 88.21
 Sample Type: Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Lead	7439-92-1	3050B	6010C	205	0.31	mg/kg	7/30/12	7/30/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Y0719-20A
 Sample ID: B-47 S1
 Date collected: 7/18/12
 Matrix: Soil
 Solids, %: 86.81
 Sample Type: Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Lead	7439-92-1	3050B	6010C	85.5	0.24	mg/kg	7/30/12	7/30/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Y0719-20A
 Sample ID: B-48 S1
 Date collected: 7/18/12
 Matrix: Soil
 Solids, %: 90.03
 Sample Type: Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Lead	7439-92-1	3050B	6010C	126	0.35	mg/kg	7/30/12	7/30/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Y0719-20A
 Sample ID: B-49 S1
 Date collected: 7/18/12
 Matrix: Soil
 Solids, %: 83.8
 Sample Type: Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Lead	7439-92-1	3050B	6010C	4050	2.41	mg/kg	7/30/12	7/30/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Sample ID: Preparation Blank
 Matrix SOIL
 Solids, % 100
 Sample Type: Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Lead	7439-92-1	3050B	6010C	ND	0.33	mg/kg	7/30/12	7/30/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

LABORATORY CONTROL SAMPLE RECOVERY

Internal

Parameter	True Value	Result	Units	Recovery, %	LCL, %	UCL, %	Date Analyzed
Lead	66.7	63.8	mg/kg	96	80	114	7/30/12


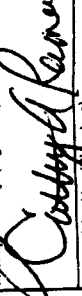

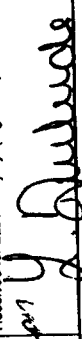
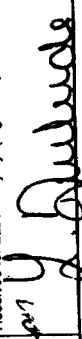
New England Testing Laboratory, Inc.

40719-20A

NEW ENGLAND TESTING LABORATORY, INC.
 1254 Douglas Avenue
 North Providence, RI 02904
 1-888-863-8522

CHAIN OF CUSTODY RECORD

PROJ. NO.		PROJECT NAME/LOCATION		SCORCO		SOL		OTHER		NO. OF CONTAINERS		REMARKS																									
DATE	TIME	C O M P	G R A B	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME																										
7/19/12	1505	X		B-43	SI					1x4oz NON																											
	1510	X		B-44	SI																																
	1515	X		B-45	SI																																
	1520	X		B-46	SI																																
	1530	X		B-47	SI																																
	1540	X		B-48	SI																																
	1600	X		B-49	SI																																
<table border="0"> <tr> <td>TESTS**</td> <td colspan="11">Total Pb</td> </tr> <tr> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> </table>													TESTS**	Total Pb												X	X	X	X	X	X	X	X	X	X	X	X
TESTS**	Total Pb																																				
	X	X	X	X	X	X	X	X	X	X	X	X																									
Laboratory Remarks: <u>40c</u> Temp. received: <input type="checkbox"/> Cooled <input type="checkbox"/>												Special Instructions: List Specific Detection Limit Requirements: <u>Additional analysis requested 7/27/12 M</u>																									
Turnaround (Business Days) _____																																					

Sampled by: (Signature)  Date/Time: 7/19/12 1630
 Relinquished by: (Signature)  Date/Time: 7/19/12 8:20
 Received by: (Signature)  Date/Time: 7-19-12 8:20
 Relinquished by: (Signature)  Date/Time: 7/19/12 14:25
 Received by: (Signature)  Date/Time: 7/19/12 14:25

**Netlab subcontractor the following tests: Radiologicals, Radon, Asbestos, UCMFs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

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REPORT OF ANALYTICAL RESULTS

NETLAB Case Number Y0719-20

Sage Project #S2244

Prepared for:

Sage Environmental
172 Armistice Boulevard
Pawtucket, RI 02860

Report Date: July 25, 2012

Reviewed by:

Richard Warila
Laboratory Director

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue, North Providence, RI 02904

(401) 353-3420

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on July 19, 2012. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the samples provided to us by the client which are indicated on the custody record. The case number for this sample submission is Y0719-20.

Custody records are included in this report.

Site: S2244 – QAS, Newport, RI

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
B-43 S1	7/18/12	Soil	Table II
B-44 S1	7/18/12	Soil	Table II
B-45 S1	7/18/12	Soil	Table II
B-46 S1	7/18/12	Soil	Table II
B-47 S1	7/18/12	Soil	Table II
B-48 S1	7/18/12	Soil	Table II
B-49 S1	7/18/12	Soil	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
PCBs	3541	8082A

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

CASE NARRATIVE:

Sample Receipt:

No trip blank was supplied unless it was identified in such a manner as to be un-interpretable by the laboratory. No field blank was supplied unless it was identified in such a manner as to be un-interpretable by the laboratory. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits).

The samples were all appropriately cooled and preserved upon receipt.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

PCB's:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

RESULTS: PCBs

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

Sample: B-43 S1		Analyst's Initials: NS
Case No.: Y0719-20		
Date Collected: 7/18/12		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	7/24/12	7/24/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit ug/kg* (ppb)
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	57	43-97
DCBP	56	30-125

*Dry Weight Basis
 N.D. = Not Detected

Sample: B-44 S1		Analyst's Initials: NS
Case No.: Y0719-20		
Date Collected: 7/18/12		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	7/24/12	7/24/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit ug/kg* (ppb)
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	70	43-97
DCBP	74	30-125

*Dry Weight Basis
N.D. = Not Detected

Sample: B-45 S1		Analyst's Initials: NS
Case No.: Y0719-20		
Date Collected: 7/18/12		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	7/24/12	7/24/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit ug/kg* (ppb)
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	68	43-97
DCBP	70	30-125

*Dry Weight Basis
 N.D. = Not Detected

Sample: B-46 S1		Analyst's Initials: NS
Case No.: Y0719-20		
Date Collected: 7/18/12		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	7/24/12	7/24/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit ug/kg* (ppb)
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	57	43-97
DCBP	68	30-125

*Dry Weight Basis
 N.D. = Not Detected

Sample: B-47 S1		Analyst's Initials: NS
Case No.: Y0719-20		
Date Collected: 7/18/12		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	7/24/12	7/24/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit ug/kg* (ppb)
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	47	43-97
DCBP	67	30-125

*Dry Weight Basis
N.D. = Not Detected

Sample: B-48 S1		Analyst's Initials: NS
Case No.: Y0719-20		
Date Collected: 7/18/12		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	7/24/12	7/24/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit ug/kg* (ppb)
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	65	43-97
DCBP	66	30-125

*Dry Weight Basis
N.D. = Not Detected

Sample: B-49 S1		Analyst's Initials: BJ
Case No.: Y0719-20		
Date Collected: 7/18/12		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	7/24/12	7/24/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit ug/kg* (ppb)
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	54	43-97
DCBP	60	30-125

*Dry Weight Basis
N.D. = Not Detected

Sample: Method Blank		Analyst's Initials: NS
Case No.: Y0719-20		
Date Collected: NA		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	7/24/12	7/24/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg (ppb)	Reporting Limit ug/kg (ppb)
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016	N.D.	100
Aroclor-1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	70	43-97
DCBP	80	30-125

PCB Laboratory Control Spike

Sample Matrix: Soil				
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3540C	7/24/12			7/24/12
Analytical Method: EPA 8082A				
Compound	Amount Spiked mg/kg	Result mg/kg	Recovery %	Recovery Limits
Aroclor 1016	0.500	0.403	81	42-126
Aroclor 1260	0.500	0.418	84	41-142
Surrogates:				
Compound	% Recovery	Limits		
TCMX	77	43-97		
DCBP	87	30-125		

40719-20

NEW ENGLAND TESTING LABORATORY, INC.
 1254 Douglas Avenue
 North Providence, RI 02904
 1-888-863-8522

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME/LOCATION	PRESERVATIVE				REMARKS
		AQUEOUS	SOIL	OTHER	NO. OF CONTAINERS	
SP244	QAS - NEWPORT, RI					
CLIENT: SAGE Environmental, Inc						
REPORT TO:						
INVOICE TO:						
DATE	TIME	GRA B	COMP	SAMPLE I.D.		
7/18/12	1505	X		B-43 S1	X	0-2'
	1510	X		B-44 S1		
	1515	X		B-45 S1		
	1520	X		B-46 S1		
	1536	X		B-47 S1		
	1540	X		B-48 S1		
	1605	X		B-49 S1		
TESTS**						
PRES						
LABORATORY REMARKS: 40C						
Temp. received: 40C						
Cooled <input type="checkbox"/>						
Sampled by: (Signature)		Received by: (Signature)		Date/Time		Turnaround (Business Days)
				7/18/12 1630		
Relinquished by: (Signature)		Received by: (Signature)		Date/Time		
				7/19/12 8:20		
Relinquished by: (Signature)		Received by: (Signature)		Date/Time		
				7-19-12 2:25		
				7/19/12 8:20		
				7/19/12 14:25		

**Netlab subcontracts the following tests: Radiologicals, Radon, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

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REPORT OF ANALYTICAL RESULTS

NETLAB Case Number Y0719-21A

Sage Project #S2244

Prepared for:

Sage Environmental
172 Armistice Boulevard
Pawtucket, RI 02860

Report Date: July 27, 2012

Reviewed by:

Richard Warila
Laboratory Director

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue, North Providence, RI 02904

(401) 353-3420

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on July 19, 2012 and additional analysis was added on July 26, 2012. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the samples provided to us by the client which are indicated on the custody record. The case number for this sample submission is Y0719-21A.

Custody records are included in this report.

Site: S2244 – QAS, Newport, RI

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
B-37 S1	7/18/12	Soil	Table II
B-40 S1B	7/18/12	Soil	Table III

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
SPLP Lead	1312	6010C

TABLE III, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Total Metals		
Arsenic	3050B	6010C
Barium	3050B	6010C
Cadmium	3050B	6010C
Chromium	3050B	6010C
Lead	3050B	6010C
Mercury	NA	7471B
Selenium	3050B	6010C
Silver	3050B	6010C

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

CASE NARRATIVE:

Sample Receipt:

No trip blank was supplied unless it was identified in such a manner as to be un-interpretable by the laboratory. No field blank was supplied unless it was identified in such a manner as to be un-interpretable by the laboratory. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits).

The samples were all appropriately cooled and preserved upon receipt.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

Metals:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Sample: B-37 S1

Case No. Y0719-21A

Date SPLP Extracted: 7/26/12

Date Analyzed*: 7/27/12

SPLP Extractable Metals

Result, mg/L

Lead

0.58

* Date Completed

METALS RESULTS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Metals Analysis Department certifies that the results included in this section have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

New England Testing Laboratory, Inc.

METALS RESULTS



Case Number: Y0719-21A
 Sample ID: B-40 S1B
 Date collected: 7/18/12
 Matrix: Soil
 Solids, %: 95.86
 Sample Type: Total

Analyst JC/RS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010C	11.5	7.21	mg/kg	7/27/12	7/27/12
Barium	7440-39-3	3050B	6010C	167	3.60	mg/kg	7/27/12	7/27/12
Cadmium	7440-43-9	3050B	6010C	ND	3.60	mg/kg	7/27/12	7/27/12
Chromium	7440-47-3	3050B	6010C	16.3	3.60	mg/kg	7/27/12	7/27/12
Lead	7439-92-1	3050B	6010C	4330	36.0	mg/kg	7/27/12	7/27/12
Mercury	7439-97-6	NA	7471B	1.61	0.384	mg/kg	7/27/12	7/27/12
Selenium	7782-49-2	3050B	6010C	ND	7.21	mg/kg	7/27/12	7/27/12
Silver	7440-22-4	3050B	6010C	23.0	3.60	mg/kg	7/27/12	7/27/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Sample ID: Preparation Blank
 Matrix SOIL
 Solids, % 100
 Sample Type: Total

Analyst JC/RS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010C	ND	0.67	mg/kg	7/27/12	7/27/12
Barium	7440-39-3	3050B	6010C	ND	0.33	mg/kg	7/27/12	7/27/12
Cadmium	7440-43-9	3050B	6010C	ND	0.33	mg/kg	7/27/12	7/27/12
Chromium	7440-47-3	3050B	6010C	ND	0.33	mg/kg	7/27/12	7/27/12
Lead	7439-92-1	3050B	6010C	ND	0.33	mg/kg	7/27/12	7/27/12
Mercury	7439-97-6	NA	7471B	ND	0.067	mg/kg	7/27/12	7/27/12
Selenium	7782-49-2	3050B	6010C	ND	0.67	mg/kg	7/27/12	7/27/12
Silver	7440-22-4	3050B	6010C	ND	0.33	mg/kg	7/27/12	7/27/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

LABORATORY CONTROL SAMPLE RECOVERY

Internal

Parameter	True Value	Result	Units	Recovery, %	LCL, %	UCL, %	Date Analyzed
Arsenic	13.3	13.0	mg/kg	98	80	120	7/27/12
Barium	66.7	69.3	mg/kg	104	80	115	7/27/12
Cadmium	66.7	66.7	mg/kg	100	80	113	7/27/12
Chromium	66.7	71.5	mg/kg	107	80	115	7/27/12
Lead	66.7	69.9	mg/kg	105	80	114	7/27/12
Mercury	0.133	0.135	mg/kg	101	80	120	7/27/12
Selenium	13.3	12.9	mg/kg	97	80	120	7/27/12
Silver	33.3	30.3	mg/kg	91	80	120	7/27/12

New England Testing Laboratory, Inc.

40719.21

lot 2

NEW ENGLAND TESTING LABORATORY, INC.
 1254 Douglas Avenue
 North Providence, RI 02904
 1-888-863-8522

CHAIN OF CUSTODY RECORD

PROJ. NO.		PROJECT NAME/LOCATION		PRESERVATIVE		TESTS		REMARKS
DATE		TIME		NO. OF CONTAINERS		OTHER		
7/14/20	0900	X	B-37 S1	X	2x4oz NON	X	X	OLRIS 8 (LOW) PPI 3 - MEALS VOLS 5 - STARS SOPS 2 - 8
			B-37 S3 B	X	1x4oz NON 1x4oz MEAT	X	X	
			B-37 S4	X	1x4oz NON 1x4oz MEAT	X	X	
	1000		B-38 S1	X	2x4oz NON	X	X	
	1000		B-38 S3	X	1x4oz NON 1x4oz MEAT	X	X	
	1100		B-39 S1	X	2x4oz NON	X	X	
	1100		B-39 S1B	X	1x4oz NON 1x4oz MEAT	X	X	
	1200		B-40 S1	X	2x4oz NON	X	X	
	1200		B-40 S1B	X	1x4oz NON 1x4oz MEAT	X	X	
	1230		B-41 S1	X	2x4oz NON	X	X	
			B-41 S2A	X	1x4oz NON	X	X	
			B-41 S3 B	X	1x4oz MEAT	X	X	
			B-41 S4 B	X	1x4oz MEAT	X	X	
	1400		B-42 S1	X	2x4oz NON	X	X	

DATE	TIME	SAMPLE I.D.	RECEIVED BY (SIGNATURE)
7/14/20	8:20		Her T Danway
7/14/20	2:35		J. D. Dube

DATE/TIME	RECEIVED BY (SIGNATURE)
7-14-20 8:20	Her T Danway
7/14/20 14:25	J. D. Dube

Special Instructions: List Specific Detection Limit Requirements: **RUSH**

Turnaround (Business Days):

**Netlab subcontracts the following tests: Radiologicals, Radon, Asbestos, UCMFs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

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REPORT OF ANALYTICAL RESULTS

NETLAB Case Number Y0727-10A

Sage Project #S2244

Prepared for:

Sage Environmental
172 Armistice Boulevard
Pawtucket, RI 02860

Report Date: July 31, 2012

Reviewed by:

Richard Warila
Laboratory Director

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue, North Providence, RI 02904

(401) 353-3420

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on July 27, 2012. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client’s designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the samples provided to us by the client which are indicated on the custody record. The case number for this sample submission is Y0727-10A.

Custody records are included in this report.

Site: S2244 – QAS, Newport, RI

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
B-40A (4’)	7/27/12	Soil	Table II
B-50 (0-2’)	7/27/12	Soil	Table II
B-51 (0-2’)	7/27/12	Soil	Table II
B-52 (0-2’)	7/27/12	Soil	Table II
B-53 (0-2’)	7/27/12	Soil	Table II
B-54 (0-2’)	7/27/12	Soil	Table II
B-55 (0-2’)	7/27/12	Soil	Table II
B-56 (0-2’)	7/27/12	Soil	Table II
B-57 (0-2’)	7/27/12	Soil	Table II
B-57 (34”)	7/27/12	Soil	Table II
B-58 (0-2’)	7/27/12	Soil	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Total Metals		
Lead	3050B	6010C

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

CASE NARRATIVE:

Sample Receipt:

No trip blank was supplied unless it was identified in such a manner as to be un-interpretable by the laboratory. No field blank was supplied unless it was identified in such a manner as to be un-interpretable by the laboratory. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits).

The samples were all appropriately cooled and preserved upon receipt.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

Metals:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

METALS RESULTS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Metals Analysis Department certifies that the results included in this section have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

New England Testing Laboratory, Inc.

METALS RESULTS



Case Number: Y0727-10
 Sample ID: B-40A (4')
 Date collected: 7/27/12
 Matrix: Soil
 Solids, %: 89.8
 Sample Type: Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Lead	7439-92-1	3050B	6010C	171	0.31	mg/kg	7/30/12	7/30/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Y0727-10
 Sample ID: B-50 (0-2')
 Date collected: 7/27/12
 Matrix: Soil
 Solids, %: 97.17
 Sample Type: Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Lead	7439-92-1	3050B	6010C	212	0.27	mg/kg	7/30/12	7/30/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Y0727-10
 Sample ID: B-51 (0-2')
 Date collected: 7/27/12
 Matrix: Soil
 Solids, %: 91.74
 Sample Type: Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Lead	7439-92-1	3050B	6010C	170	0.24	mg/kg	7/30/12	7/30/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Y0727-10
 Sample ID: B-52 (0-2')
 Date collected: 7/27/12
 Matrix: Soil
 Solids, %: 97.18
 Sample Type: Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Lead	7439-92-1	3050B	6010C	101	0.27	mg/kg	7/30/12	7/30/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Y0727-10
 Sample ID: B-53 (0-2')
 Date collected: 7/27/12
 Matrix: Soil
 Solids, %: 97.18
 Sample Type: Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Lead	7439-92-1	3050B	6010C	165	0.27	mg/kg	7/30/12	7/30/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Y0727-10
 Sample ID: B-54 (0-2')
 Date collected: 7/27/12
 Matrix: Soil
 Solids, %: 91.84
 Sample Type: Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Lead	7439-92-1	3050B	6010C	148	0.27	mg/kg	7/30/12	7/30/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Y0727-10
 Sample ID: B-55 (0-2')
 Date collected: 7/27/12
 Matrix: Soil
 Solids, %: 94.58
 Sample Type: Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Lead	7439-92-1	3050B	6010C	119	0.32	mg/kg	7/30/12	7/30/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Y0727-10
 Sample ID: B-56 (0-2')
 Date collected: 7/27/12
 Matrix: Soil
 Solids, %: 91.96
 Sample Type: Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Lead	7439-92-1	3050B	6010C	923	0.34	mg/kg	7/30/12	7/30/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Y0727-10
 Sample ID: B-57 (0-2')
 Date collected: 7/27/12
 Matrix: Soil
 Solids, %: 96.95
 Sample Type: Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Lead	7439-92-1	3050B	6010C	128	0.26	mg/kg	7/30/12	7/30/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Y0727-10
 Sample ID: B-57 (34")
 Date collected: 7/27/12
 Matrix: Soil
 Solids, %: 95.8
 Sample Type: Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Lead	7439-92-1	3050B	6010C	123	0.27	mg/kg	7/30/12	7/30/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Y0727-10
 Sample ID: B-58 (0-2')
 Date collected: 7/27/12
 Matrix: Soil
 Solids, %: 97.3
 Sample Type: Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Lead	7439-92-1	3050B	6010C	143	0.23	mg/kg	7/30/12	7/30/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Sample ID: Preparation Blank
 Matrix SOIL
 Solids, % 100
 Sample Type: Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Lead	7439-92-1	3050B	6010C	ND	0.33	mg/kg	7/30/12	7/30/12

ND indicates Not Detected.

All results are reported on a dry weight basis.

LABORATORY CONTROL SAMPLE RECOVERY

Internal

Parameter	True Value	Result	Units	Recovery, %	LCL, %	UCL, %	Date Analyzed
Lead	66.7	63.8	mg/kg	96	80	114	7/30/12

New England Testing Laboratory, Inc.

Revised labeling.
 10727-10A

NEW ENGLAND TESTING LABORATORY, INC.
 1254 Douglas Avenue
 North Providence, RI 02904
 1-888-863-8522

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME/LOCATION	CLIENT	REPORT TO:	INVOICE TO:	SAMPLE I.D.		DATE	TIME	C O M P	G R A B	NO. OF CONTAINERS	OTHER	S O I L	A S C O R D E D	P E R M I T	T E S T S **	REMARKS
					DATE/TIME	SIGNATURE											
7/21/12	1930	X	B-40A (4')			1407	NEW	X									
	1300		m B-48 (0-2')	B-50 (0-2')													
	1230		m B-44 (0-2')	B-51 (0-2')													
	1330		m B-50 (0-2')	B-52 (0-2')													
	1200		m B-51 (0-2')	B-53 (0-2')													
	1900		m B-52 (0-2')	B-54 (0-2')													
	1530		m B-53 (0-2')	B-55 (0-2')													
	1030		m B-54 (0-2')	B-56 (0-2')													
	1100		m B-55 (0-2')	B-57 (0-2')													
	1100		m B-56 (0-2')	B-57 (34')													
	1400		m B-56 (0-2')	B-58 (0-2')													

Special Instructions:
 List Specific Detection
 Limit Requirements:

24hr

Turnaround (Business Days)

Sample IDs corrected per client request. Client provided revised chain of custody on 7/31/12

Laboratory Remarks:
 Temp. received:
 Cooled

Date/Time

Date/Time

Received by: (Signature)

Date/Time

Received by: (Signature)

Date/Time

Received by: (Signature)

**Netlab subcontractors the following tests: Radiologicals, Radon, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

ATTACHMENT 5



REPORT OF ANALYTICAL RESULTS

NETLAB Case Number Y0201-12 Revised

Sage Project #S2244

Prepared for:

Attn: Bruce Clark
Sage Environmental
172 Armistice Boulevard
Pawtucket, RI 02860

Report Date: February 13, 2012

Reviewed by:

Richard Warila
Laboratory Director

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue, North Providence, RI 02904

(401) 353-3420

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on February 1, 2012. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client’s designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the samples provided to us by the client which are indicated on the custody record. The case number for this sample submission is Y0201-12 Revised.

Custody records are included in this report.

Site: S2244, Queen Anne, Newport, RI

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
MW-1	1/31/12	Water	Table II
MW-3	1/31/12	Water	Table II, III
MW-4	1/31/12	Water	Table II, III
MW-5	1/31/12	Water	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Volatile Organic Compounds	5030B	8260B

TABLE III, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Total Metals		
Arsenic	3050	6010C
Barium	3050	6010C
Cadmium	3050	6010C
Chromium	3050	6010C
Lead	3050	6010C
Mercury	NA	7471A
Selenium	3050	6010C
Silver	3050	6010C

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

CASE NARRATIVE:

Sample Receipt:

No trip blank was supplied unless it was identified in such a manner as to be un-interpretable by the laboratory. No field blank was supplied unless it was identified in such a manner as to be un-interpretable by the laboratory. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits).

The samples were all appropriately cooled and preserved upon receipt.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

Metals:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Volatile Organic Compounds:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

METALS RESULTS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Metals Analysis Department certifies that the results included in this section have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

New England Testing Laboratory, Inc.

METALS RESULTS



Case Number: Y0201-12
 Sample ID: MW-3
 Date collected: 01/31/12
 Matrix: WATER
 Sample Type: Total

Analyst JC/DC

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	3010A	6010C	0.01	0.01	mg/l	2/3/12	2/3/12
Arsenic	7440-38-2	3010A	6010C	0.01	0.01	mg/l	2/3/12	2/3/12
Beryllium	7440-41-7	3010A	6010C	0.005	0.005	mg/l	2/3/12	2/3/12
Cadmium	7440-43-9	3010A	6010C	0.005	0.005	mg/l	2/3/12	2/3/12
Chromium	7440-47-3	3010A	6010C	0.090	0.005	mg/l	2/3/12	2/3/12
Copper	7440-50-8	3010A	6010C	0.22	0.02	mg/l	2/3/12	2/3/12
Lead	7439-92-1	3010A	6010C	0.425	0.005	mg/l	2/3/12	2/3/12
Mercury	7439-97-6	NA	7470A	ND	0.0002	mg/l	2/7/12	2/7/12
Nickel	7440-02-0	3010A	6010C	0.147	0.005	mg/l	2/3/12	2/3/12
Selenium	7782-49-2	3010A	6010C	0.10	0.01	mg/l	2/3/12	2/3/12
Silver	7440-22-4	3010A	6010C	ND	0.005	mg/l	2/3/12	2/3/12
Thallium	7440-28-0	3010A	7010	ND	0.002	mg/l	2/7/12	2/7/12
Zinc	7440-66-6	3010A	6010C	0.46	0.02	mg/l	2/3/12	2/3/12

ND indicates Not Detected.

METALS RESULTS



Case Number: Y0201-11
 Sample ID: MW-4
 Date collected: 01/31/12
 Matrix: WATER
 Sample Type: Total

Analyst JC/DC

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	3010A	6010C	0.01	0.01	mg/l	2/3/12	2/3/12
Arsenic	7440-38-2	3010A	6010C	0.01	0.01	mg/l	2/3/12	2/3/12
Beryllium	7440-41-7	3010A	6010C	ND	0.005	mg/l	2/3/12	2/3/12
Cadmium	7440-43-9	3010A	6010C	ND	0.005	mg/l	2/3/12	2/3/12
Chromium	7440-47-3	3010A	6010C	0.065	0.005	mg/l	2/3/12	2/3/12
Copper	7440-50-8	3010A	6010C	0.24	0.02	mg/l	2/3/12	2/3/12
Lead	7439-92-1	3010A	6010C	2.64	0.005	mg/l	2/3/12	2/3/12
Mercury	7439-97-6	NA	7470A	ND	0.0002	mg/l	2/7/12	2/7/12
Nickel	7440-02-0	3010A	6010C	0.095	0.005	mg/l	2/3/12	2/3/12
Selenium	7782-49-2	3010A	6010C	0.07	0.01	mg/l	2/3/12	2/3/12
Silver	7440-22-4	3010A	6010C	ND	0.005	mg/l	2/3/12	2/3/12
Thallium	7440-28-0	3010A	7010	ND	0.002	mg/l	2/7/12	2/7/12
Zinc	7440-66-6	3010A	6010C	1.39	0.02	mg/l	2/3/12	2/3/12

ND indicates Not Detected.

METALS RESULTS



Sample ID: METHOD BLANK

Matrix WATER

Analyst JC/DC

Sample Type: Preparation Blank

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	3010A	6010C	ND	0.01	mg/l	2/3/12	2/3/12
Arsenic	7440-38-2	3010A	6010C	ND	0.01	mg/l	2/3/12	2/3/12
Beryllium	7440-41-7	3010A	6010C	ND	0.005	mg/l	2/3/12	2/3/12
Cadmium	7440-43-9	3010A	6010C	ND	0.005	mg/l	2/3/12	2/3/12
Chromium	7440-47-3	3010A	6010C	ND	0.005	mg/l	2/3/12	2/3/12
Copper	7440-50-8	3010A	6010C	ND	0.02	mg/l	2/3/12	2/3/12
Lead	7439-92-1	3010A	6010C	ND	0.005	mg/l	2/3/12	2/3/12
Mercury	7439-97-6	NA	7470A	ND	0.0002	mg/l	2/7/12	2/7/12
Nickel	7440-02-0	3010A	6010C	ND	0.005	mg/l	2/3/12	2/3/12
Selenium	7782-49-2	3010A	6010C	ND	0.01	mg/l	2/3/12	2/3/12
Silver	7440-22-4	3010A	6010C	ND	0.005	mg/l	2/3/12	2/3/12
Thallium	7440-28-0	3010A	7010	ND	0.002	mg/l	2/3/12	2/7/12
Zinc	7440-66-6	3010A	6010C	ND	0.02	mg/l	2/3/12	2/3/12

ND indicates Not Detected.

LABORATORY CONTROL SAMPLE RECOVERY

Parameter	True Value	Result	Units	Recovery, %	Internal		Date Analyzed
					LCL, %	UCL, %	
Antimony	1.00	1.00	mg/l	100	85	118	2/3/12
Arsenic	0.20	0.19	mg/l	96	80	109	2/3/12
Beryllium	0.20	0.19	mg/l	95	80	120	2/3/12
Cadmium	1.00	0.99	mg/l	99	80	111	2/3/12
Chromium	1.00	1.01	mg/l	101	80	112	2/3/12
Copper	1.00	0.95	mg/l	95	80	120	2/3/12
Lead	1.00	1.03	mg/l	103	80	120	2/3/12
Mercury	0.001	0.001	mg/l	98	83	119	2/7/12
Nickel	1.00	0.98	mg/l	98	80	110	2/3/12
Selenium	0.20	0.19	mg/l	96	80	101	2/3/12
Silver	0.60	0.58	mg/l	97	80	108	2/3/12
Thallium	0.020	0.020	mg/l	100	80	120	2/7/12
Zinc	1.00	1.01	mg/l	101	80	114	2/3/12

Sample: MW-1
Method: 8260B

Case Number: Y0201-12
Date Analyzed: 2/6/12

Compound Name	CAS Number	Sample Result	Reporting Limit	Units
Vinyl Chloride	75-01-4	ND	1	ug/L
Bromomethane	74-83-9	ND	1	ug/L
Chloroethane	75-00-3	ND	1	ug/L
Acetone	67-64-1	9.7	5	ug/L
1,1-Dichloroethene	75-35-4	ND	1	ug/L
Carbon Disulfide	75-15-0	ND	1	ug/L
Methylene Chloride	75-09-2	ND	1	ug/L
tert-butyl Methyl Ether	1634-04-4	ND	1	ug/L
trans-1,2-dichloroethene	156-60-5	ND	1	ug/L
1,1-Dichloroethane	75-34-3	ND	1	ug/L
2-Butanone	78-93-3	ND	5	ug/L
2,2-dichloropropane	594-20-7	ND	1	ug/L
cis-1,2-dichloroethene	156-59-2	ND	1	ug/L
Chloroform	67-66-3	ND	1	ug/L
Bromochloromethane	74-97-5	ND	1	ug/L
1,1,1-Trichloroethane	71-55-6	ND	1	ug/L
1,1-Dichloropropene	563-58-6	ND	1	ug/L
Carbon Tetrachloride	56-23-5	ND	1	ug/L
Benzene	71-43-2	ND	1	ug/L
1,2-Dichloroethane	107-06-2	ND	1	ug/L
Trichloroethene	79-01-6	ND	1	ug/L
1,2-Dichloropropane	78-87-5	ND	1	ug/L
Bromodichloromethane	75-27-4	ND	1	ug/L
Dibromomethane	74-95-3	ND	1	ug/L
4-Methyl-2-pentanone	108-10-1	ND	5	ug/L
1,2-Dibromoethane	106-93-4	ND	1	ug/L
cis-1,3-Dichloropropene	10061-01-5	ND	1	ug/L
Toluene	108-88-3	ND	1	ug/L
trans-1,3-Dichloropropene	10061-02-6	ND	1	ug/L
1,1,2-Trichloroethane	79-00-5	ND	1	ug/L
2-Hexanone	591-78-6	ND	5	ug/L
Tetrachloroethene	127-18-4	ND	1	ug/L
Dibromochloromethane	124-48-1	ND	1	ug/L
Chlorobenzene	108-90-7	ND	1	ug/L
1,1,1,2-Tetrachloroethane	630-20-6	ND	1	ug/L
Ethylbenzene	100-41-4	ND	1	ug/L
m,p-xylene	1330-20-7	ND	2	ug/L

Sample: MW-1
Method: 8260B

Case Number: Y0201-12
Date Analyzed: 2/6/12

Compound Name	CAS Number	Sample Result	Reporting Limit	Units
o-xylene	95-47-6	ND	1	ug/L
Styrene	100-42-5	ND	1	ug/L
Bromoform	75-25-2	ND	1	ug/L
Isopropylbenzene	98-82-8	ND	1	ug/L
1,1,2,2-Tetrachloroethene	79-34-5	ND	1	ug/L
Bromobenzene	108-86-1	ND	1	ug/L
1,2,3-Trichloropropane	96-18-4	ND	1	ug/L
2-chlorotoluene	95-49-8	ND	1	ug/L
n-Propylbenzene	103-65-1	ND	1	ug/L
1,3,5-Trimethylbenzene	108-67-8	ND	1	ug/L
4-chlorotoluene	106-43-4	ND	1	ug/L
tert-butylbenzene	98-06-6	ND	1	ug/L
1,2,4-Trimethylbenzene	95-63-6	ND	1	ug/L
sec-butylbenzene	135-98-8	ND	1	ug/L
p-isopropyltoluene	99-87-6	ND	1	ug/L
Chloromethane	74-87-3	ND	1	ug/L
tert-butyl Alcohol	75-65-0	ND	1	ug/L
1,3-Dichlorobenzene	541-73-1	ND	1	ug/L
Tetrahydrofuran	109-99-9	ND	1	ug/L
1,4-Dichlorobenzene	106-46-7	ND	1	ug/L
Diethyl ether	60-29-7	ND	1	ug/L
n-butyl Benzene	104-51-8	ND	1	ug/L
1,2-Dichlorobenzene	95-50-1	ND	1	ug/L
1,2-dibromo-3-chloropropane	96-12-8	ND	1	ug/L
1,2,4-Trichlorobenzene	120-82-1	ND	1	ug/L
Hexachlorobutadiene	87-68-3	ND	1	ug/L
Naphthalene	91-20-3	1.9	1	ug/L
1,2,3-Trichlorobenzene	87-61-6	ND	1	ug/L
Tert-amyl Methyl Ether	994-05-8	ND	1	ug/L
Dichlorodifluoromethane	75-71-8	ND	1	ug/L
1,3-Dichloropropane	142-28-9	ND	1	ug/L
Trichlorofluoromethane	75-69-4	ND	1	ug/L
Ethyl Tert-butyl ether	637-92-3	ND	1	ug/L
Diisopropyl Ether	108-20-3	ND	1	ug/L
1,4-Dioxane	123-91-1	ND	50	ug/L

Sample: MW-1
Method: 8260B

Case Number: Y0201-12
Date Analyzed: 2/6/12

Surrogates:

Compound	% Recovery	Limits
Toluene d8	116	70-130
1,2-Dichloroethane d4	95	70-130
4 BFB	106	70-130

ND= Not Detected

Sample: MW-3
 Method: 8260B

Case Number: Y0201-12
 Date Analyzed: 2/6/12

Compound Name	CAS Number	Sample Result	Reporting Limit	Units
Vinyl Chloride	75-01-4	ND	1	ug/L
Bromomethane	74-83-9	ND	1	ug/L
Chloroethane	75-00-3	ND	1	ug/L
Acetone	67-64-1	ND	5	ug/L
1,1-Dichloroethene	75-35-4	ND	1	ug/L
Carbon Disulfide	75-15-0	ND	1	ug/L
Methylene Chloride	75-09-2	ND	1	ug/L
tert-butyl Methyl Ether	1634-04-4	ND	1	ug/L
trans 1,2-dichloroethene	156-60-5	ND	1	ug/L
1,1-Dichloroethane	75-34-3	ND	1	ug/L
2-Butanone	78-93-3	ND	5	ug/L
2,2-dichloropropane	594-20-7	ND	1	ug/L
cis 1,2-dichloroethene	156-59-2	ND	1	ug/L
Chloroform	67-66-3	ND	1	ug/L
Bromochloromethane	74-97-5	ND	1	ug/L
1,1,1-Trichloroethane	71-55-6	ND	1	ug/L
1,1- Dichloropropene	563-58-6	ND	1	ug/L
Carbon Tetrachloride	56-23-5	ND	1	ug/L
Benzene	71-43-2	ND	1	ug/L
1,2-Dichloroethane	107-06-2	ND	1	ug/L
Trichloroethene	79-01-6	ND	1	ug/L
1,2-Dichloropropane	78-87-5	ND	1	ug/L
Bromodichloromethane	75-27-4	ND	1	ug/L
Dibromomethane	74-95-3	ND	1	ug/L
4-Methyl-2-pentanone	108-10-1	ND	5	ug/L
1,2-Dibromoethane	106-93-4	ND	1	ug/L
cis-1,3-Dichloropropene	10061-01-5	ND	1	ug/L
Toluene	108-88-3	ND	1	ug/L
trans-1,3-Dichloropropene	10061-02-6	ND	1	ug/L
1,1,2-Trichloroethane	79-00-5	ND	1	ug/L
2-Hexanone	591-78-6	ND	5	ug/L
Tetrachloroethene	127-18-4	ND	1	ug/L
Dibromochloromethane	124-48-1	ND	1	ug/L
Chlorobenzene	108-90-7	ND	1	ug/L
1,1,1,2-Tetrachloroethane	630-20-6	ND	1	ug/L
Ethylbenzene	100-41-4	ND	1	ug/L
m,p-xylene	1330-20-7	ND	2	ug/L

Sample: MW-3
Method: 8260B

Case Number: Y0201-12
Date Analyzed: 2/6/12

Compound Name	CAS Number	Sample Result	Reporting Limit	Units
o-xylene	95-47-6	ND	1	ug/L
Styrene	100-42-5	ND	1	ug/L
Bromoform	75-25-2	ND	1	ug/L
Isopropylbenzene	98-82-8	ND	1	ug/L
1,1,2,2-Tetrachloroethene	79-34-5	ND	1	ug/L
Bromobenzene	108-86-1	ND	1	ug/L
1,2,3-Trichloropropane	96-18-4	ND	1	ug/L
2-chlorotoluene	95-49-8	ND	1	ug/L
n-Propylbenzene	103-65-1	ND	1	ug/L
1,3,5-Trimethylbenzene	108-67-8	ND	1	ug/L
4-chlorotoluene	106-43-4	ND	1	ug/L
tert-butylbenzene	98-06-6	ND	1	ug/L
1,2,4-Trimethylbenzene	95-63-6	ND	1	ug/L
sec-butylbenzene	135-98-8	ND	1	ug/L
p-isopropyltoluene	99-87-6	ND	1	ug/L
Chloromethane	74-87-3	ND	1	ug/L
tert-butyl Alcohol	75-65-0	ND	1	ug/L
1,3-Dichlorobenzene	541-73-1	ND	1	ug/L
Tetrahydrofuran	109-99-9	ND	1	ug/L
1,4-Dichlorobenzene	106-46-7	ND	1	ug/L
Diethyl ether	60-29-7	ND	1	ug/L
n-butyl Benzene	104-51-8	ND	1	ug/L
1,2-Dichlorobenzene	95-50-1	ND	1	ug/L
1,2-dibromo-3-chloropropane	96-12-8	ND	1	ug/L
1,2,4-Trichlorobenzene	120-82-1	ND	1	ug/L
Hexachlorobutadiene	87-68-3	ND	1	ug/L
Naphthalene	91-20-3	ND	1	ug/L
1,2,3-Trichlorobenzene	87-61-6	ND	1	ug/L
Tert-amyl Methyl Ether	994-05-8	ND	1	ug/L
Dichlorodifluoromethane	75-71-8	ND	1	ug/L
1,3-Dichloropropane	142-28-9	ND	1	ug/L
Trichlorofluoromethane	75-69-4	ND	1	ug/L
Ethyl Tert-butyl ether	637-92-3	ND	1	ug/L
Diisopropyl Ether	108-20-3	ND	1	ug/L
1,4-Dioxane	123-91-1	ND	50	ug/L

Sample: MW-3
Method: 8260B

Case Number: Y0201-12
Date Analyzed: 2/6/12

Surrogates:

Compound	% Recovery	Limits
Toluene d8	121	70-130
1,2-Dichloroethane d4	93	70-130
4 BFB	100	70-130

ND= Not Detected

Sample: MW-4
Method: 8260B

Case Number: Y0201-12
Date Analyzed: 2/6/12

Compound Name	CAS Number	Sample Result	Reporting Limit	Units
Vinyl Chloride	75-01-4	ND	1	ug/L
Bromomethane	74-83-9	ND	1	ug/L
Chloroethane	75-00-3	ND	1	ug/L
Acetone	67-64-1	ND	5	ug/L
1,1-Dichloroethene	75-35-4	ND	1	ug/L
Carbon Disulfide	75-15-0	ND	1	ug/L
Methylene Chloride	75-09-2	ND	1	ug/L
tert-butyl Methyl Ether	1634-04-4	ND	1	ug/L
trans 1,2-dichloroethene	156-60-5	ND	1	ug/L
1,1-Dichloroethane	75-34-3	ND	1	ug/L
2-Butanone	78-93-3	ND	5	ug/L
2,2-dichloropropane	594-20-7	ND	1	ug/L
cis 1,2-dichloroethene	156-59-2	ND	1	ug/L
Chloroform	67-66-3	ND	1	ug/L
Bromochloromethane	74-97-5	ND	1	ug/L
1,1,1-Trichloroethane	71-55-6	ND	1	ug/L
1,1- Dichloropropene	563-58-6	ND	1	ug/L
Carbon Tetrachloride	56-23-5	ND	1	ug/L
Benzene	71-43-2	ND	1	ug/L
1,2-Dichloroethane	107-06-2	ND	1	ug/L
Trichloroethene	79-01-6	ND	1	ug/L
1,2-Dichloropropane	78-87-5	ND	1	ug/L
Bromodichloromethane	75-27-4	ND	1	ug/L
Dibromomethane	74-95-3	ND	1	ug/L
4-Methyl-2-pentanone	108-10-1	ND	5	ug/L
1,2-Dibromoethane	106-93-4	ND	1	ug/L
cis-1,3-Dichloropropene	10061-01-5	ND	1	ug/L
Toluene	108-88-3	ND	1	ug/L
trans-1,3-Dichloropropene	10061-02-6	ND	1	ug/L
1,1,2-Trichloroethane	79-00-5	ND	1	ug/L
2-Hexanone	591-78-6	ND	5	ug/L
Tetrachloroethene	127-18-4	ND	1	ug/L
Dibromochloromethane	124-48-1	ND	1	ug/L
Chlorobenzene	108-90-7	ND	1	ug/L
1,1,1,2-Tetrachloroethane	630-20-6	ND	1	ug/L
Ethylbenzene	100-41-4	ND	1	ug/L
m,p-xylene	1330-20-7	ND	2	ug/L

Sample: MW-4
Method: 8260B

Case Number: Y0201-12
Date Analyzed: 2/6/12

Compound Name	CAS Number	Sample Result	Reporting Limit	Units
o-xylene	95-47-6	ND	1	ug/L
Styrene	100-42-5	ND	1	ug/L
Bromoform	75-25-2	ND	1	ug/L
Isopropylbenzene	98-82-8	ND	1	ug/L
1,1,2,2-Tetrachloroethene	79-34-5	ND	1	ug/L
Bromobenzene	108-86-1	ND	1	ug/L
1,2,3-Trichloropropane	96-18-4	ND	1	ug/L
2-chlorotoluene	95-49-8	ND	1	ug/L
n-Propylbenzene	103-65-1	ND	1	ug/L
1,3,5-Trimethylbenzene	108-67-8	ND	1	ug/L
4-chlorotoluene	106-43-4	ND	1	ug/L
tert-butylbenzene	98-06-6	ND	1	ug/L
1,2,4-Trimethylbenzene	95-63-6	ND	1	ug/L
sec-butylbenzene	135-98-8	ND	1	ug/L
p-isopropyltoluene	99-87-6	ND	1	ug/L
Chloromethane	74-87-3	ND	1	ug/L
tert-butyl Alcohol	75-65-0	ND	1	ug/L
1,3-Dichlorobenzene	541-73-1	ND	1	ug/L
Tetrahydrofuran	109-99-9	ND	1	ug/L
1,4-Dichlorobenzene	106-46-7	ND	1	ug/L
Diethyl ether	60-29-7	ND	1	ug/L
n-butyl Benzene	104-51-8	ND	1	ug/L
1,2-Dichlorobenzene	95-50-1	ND	1	ug/L
1,2-dibromo-3-chloropropane	96-12-8	ND	1	ug/L
1,2,4-Trichlorobenzene	120-82-1	ND	1	ug/L
Hexachlorobutadiene	87-68-3	ND	1	ug/L
Naphthalene	91-20-3	ND	1	ug/L
1,2,3-Trichlorobenzene	87-61-6	ND	1	ug/L
Tert-amyl Methyl Ether	994-05-8	ND	1	ug/L
Dichlorodifluoromethane	75-71-8	ND	1	ug/L
1,3-Dichloropropane	142-28-9	ND	1	ug/L
Trichlorofluoromethane	75-69-4	ND	1	ug/L
Ethyl Tert-butyl ether	637-92-3	ND	1	ug/L
Diisopropyl Ether	108-20-3	ND	1	ug/L
1,4-Dioxane	123-91-1	ND	50	ug/L

Sample: MW-4
Method: 8260B

Case Number: Y0201-12
Date Analyzed: 2/6/12

Surrogates:

Compound	% Recovery	Limits
Toluene d8	117	70-130
1,2-Dichloroethane d4	105	70-130
4 BFB	99	70-130

ND= Not Detected

Sample: MW-5
Method: 8260B

Case Number: Y0201-12
Date Analyzed: 2/6/12

Compound Name	CAS Number	Sample Result	Reporting Limit	Units
Vinyl Chloride	75-01-4	ND	1	ug/L
Bromomethane	74-83-9	ND	1	ug/L
Chloroethane	75-00-3	ND	1	ug/L
Acetone	67-64-1	ND	5	ug/L
1,1-Dichloroethene	75-35-4	ND	1	ug/L
Carbon Disulfide	75-15-0	ND	1	ug/L
Methylene Chloride	75-09-2	ND	1	ug/L
tert-butyl Methyl Ether	1634-04-4	ND	1	ug/L
trans 1,2-dichloroethene	156-60-5	ND	1	ug/L
1,1-Dichloroethane	75-34-3	ND	1	ug/L
2-Butanone	78-93-3	ND	5	ug/L
2,2-dichloropropane	594-20-7	ND	1	ug/L
cis 1,2-dichloroethene	156-59-2	ND	1	ug/L
Chloroform	67-66-3	ND	1	ug/L
Bromochloromethane	74-97-5	ND	1	ug/L
1,1,1-Trichloroethane	71-55-6	ND	1	ug/L
1,1- Dichloropropene	563-58-6	ND	1	ug/L
Carbon Tetrachloride	56-23-5	ND	1	ug/L
Benzene	71-43-2	ND	1	ug/L
1,2-Dichloroethane	107-06-2	ND	1	ug/L
Trichloroethene	79-01-6	ND	1	ug/L
1,2-Dichloropropane	78-87-5	ND	1	ug/L
Bromodichloromethane	75-27-4	ND	1	ug/L
Dibromomethane	74-95-3	ND	1	ug/L
4-Methyl-2-pentanone	108-10-1	ND	5	ug/L
1,2-Dibromoethane	106-93-4	ND	1	ug/L
cis-1,3-Dichloropropene	10061-01-5	ND	1	ug/L
Toluene	108-88-3	ND	1	ug/L
trans-1,3-Dichloropropene	10061-02-6	ND	1	ug/L
1,1,2-Trichloroethane	79-00-5	ND	1	ug/L
2-Hexanone	591-78-6	ND	5	ug/L
Tetrachloroethene	127-18-4	ND	1	ug/L
Dibromochloromethane	124-48-1	ND	1	ug/L
Chlorobenzene	108-90-7	ND	1	ug/L
1,1,1,2-Tetrachloroethane	630-20-6	ND	1	ug/L
Ethylbenzene	100-41-4	ND	1	ug/L
m,p-xylene	1330-20-7	ND	2	ug/L

Sample: MW-5
Method: 8260B

Case Number: Y0201-12
Date Analyzed: 2/6/12

Compound Name	CAS Number	Sample Result	Reporting Limit	Units
o-xylene	95-47-6	ND	1	ug/L
Styrene	100-42-5	ND	1	ug/L
Bromoform	75-25-2	ND	1	ug/L
Isopropylbenzene	98-82-8	ND	1	ug/L
1,1,2,2-Tetrachloroethene	79-34-5	ND	1	ug/L
Bromobenzene	108-86-1	ND	1	ug/L
1,2,3-Trichloropropane	96-18-4	ND	1	ug/L
2-chlorotoluene	95-49-8	ND	1	ug/L
n-Propylbenzene	103-65-1	ND	1	ug/L
1,3,5-Trimethylbenzene	108-67-8	ND	1	ug/L
4-chlorotoluene	106-43-4	ND	1	ug/L
tert-butylbenzene	98-06-6	ND	1	ug/L
1,2,4-Trimethylbenzene	95-63-6	ND	1	ug/L
sec-butylbenzene	135-98-8	ND	1	ug/L
p-isopropyltoluene	99-87-6	ND	1	ug/L
Chloromethane	74-87-3	ND	1	ug/L
tert-butyl Alcohol	75-65-0	ND	1	ug/L
1,3-Dichlorobenzene	541-73-1	ND	1	ug/L
Tetrahydrofuran	109-99-9	ND	1	ug/L
1,4-Dichlorobenzene	106-46-7	ND	1	ug/L
Diethyl ether	60-29-7	ND	1	ug/L
n-butyl Benzene	104-51-8	ND	1	ug/L
1,2-Dichlorobenzene	95-50-1	ND	1	ug/L
1,2-dibromo-3-chloropropane	96-12-8	ND	1	ug/L
1,2,4-Trichlorobenzene	120-82-1	ND	1	ug/L
Hexachlorobutadiene	87-68-3	ND	1	ug/L
Naphthalene	91-20-3	ND	1	ug/L
1,2,3-Trichlorobenzene	87-61-6	ND	1	ug/L
Tert-amyl Methyl Ether	994-05-8	ND	1	ug/L
Dichlorodifluoromethane	75-71-8	ND	1	ug/L
1,3-Dichloropropane	142-28-9	ND	1	ug/L
Trichlorofluoromethane	75-69-4	ND	1	ug/L
Ethyl Tert-butyl ether	637-92-3	ND	1	ug/L
Diisopropyl Ether	108-20-3	ND	1	ug/L
1,4-Dioxane	123-91-1	ND	50	ug/L

Sample: MW-5
Method: 8260B

Case Number: Y0201-12
Date Analyzed: 2/6/12

Surrogates:

Compound	% Recovery	Limits
Toluene d8	113	70-130
1,2-Dichloroethane d4	98	70-130
4 BFB	92	70-130

ND= Not Detected

Y0201-12

NEW ENGLAND TESTING LABORATORY, INC.
 1254 Douglas Avenue
 North Providence, RI 02904
 1-888-863-8522

CHAIN OF CUSTODY RECORD

PROJ. NO.	CLIENT	PROJECT NAME/LOCATION	DATE	TIME	GRA B	COMP	SAMPLE I.D.	SCODS	SOIL	OTHER	NO. OF CONTAINERS	PRESERVATIVE	TESTS*	REMARKS
S0044	SAE Environmental, Inc.	Queen Anne Newport RI	11/3/12	1030	X		MW-1	X			2x10ml HCl			
	REPORT TO: SAGE Environmental, Inc.			0900			MW-3				2x10ml HCl			
	INVOICE TO: Sage @ Sage Environmental, Inc.			1000			MW-4				2x10ml HCl			
				0930			MW-5				2x10ml HCl			

Sampled by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[Signature]	11/12/12 1000		
[Signature]	2/1/13 8:55	[Signature]	2-1-13 8:55
[Signature]	2-1-13 3:10	[Signature]	2-1-13 15:10

Special Instructions:
 List Specific Detection Limit Requirements:
 MW-3 ~~MW-4~~ MW-5
 16 F1 oz
 PREPARE
 Turnaround (Business Days) 5 TO

**Netlab subcontracts the following tests: Radiologicals, Radon, Asbestos, UCNAs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

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REPORT OF ANALYTICAL RESULTS

NETLAB Case Number Y0719-19

Sage Project #S2244

Prepared for:

Sage Environmental
172 Armistice Boulevard
Pawtucket, RI 02860

Report Date: July 25, 2012

Reviewed by:

Richard Warila
Laboratory Director

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue, North Providence, RI 02904

(401) 353-3420

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on July 19, 2012. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the samples provided to us by the client which are indicated on the custody record. The case number for this sample submission is Y0719-19.

Custody records are included in this report.

Site: S2244 – QAS, Newport, RI

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
B-37 (1)	7/18/12	Water	Table II
B-37 (2)	7/18/12	Water	Table II
B-41 (1)	7/18/12	Water	Table II
B-41 (2)	7/18/12	Water	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Volatile Organic Compounds	5030	8260B

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

CASE NARRATIVE:

Sample Receipt:

No trip blank was supplied unless it was identified in such a manner as to be un-interpretable by the laboratory. No field blank was supplied unless it was identified in such a manner as to be un-interpretable by the laboratory. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits).

The samples were all appropriately cooled and preserved upon receipt.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

Volatile Organic Compounds:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

RESULTS: VOLATILE ORGANIC COMPOUNDS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-19 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-37 (1)
 Matrix: (soil/water) WATER Lab File ID: C072376.D
 Sample wt/vol: 5.0 (g/ml) ML Date Sampled: 7/18/2012
 % Moisture _____ Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>ug/L</u>	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	37	
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
1634-04-4	tert-Butyl methyl ether	1.0	U
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	1.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-19 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-37 (1)
 Matrix: (soil/water) WATER Lab File ID: C072376.D
 Sample wt/vol: 5.0 (g/ml) ML Date Sampled: 7/18/2012
 % Moisture _____ Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>ug/L</u>	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	2.3	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	7.0	
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	41	
99-87-6	p-Isopropyltoluene	1.0	U
75-87-3	Chloromethane	1.0	U
75-65-0	tert butyl alcohol	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
109-99-9	Tetrahydrofuran	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	1.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
994-05-8	Tert-amyl Methyl Ether	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
637-92-3	Ethyl Tert-butyl ether	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-19 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-37 (1)
 Matrix: (soil/water) WATER Lab File ID: C072376.D
 Sample wt/vol: 5.0 (g/ml) ML Date Sampled: 7/18/2012
 % Moisture _____ Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>ug/L</u>	Q
108-20-3	Diisopropyl Ether	1.0	U
123-91-1	1,4-Dioxane	250	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-19 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-37 (2)
 Matrix: (soil/water) WATER Lab File ID: C072373.D
 Sample wt/vol: 5.0 (g/ml) ML Date Sampled: 7/18/2012
 % Moisture _____ Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>ug/L</u>	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	29	
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
1634-04-4	tert-Butyl methyl ether	1.0	U
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	1.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-19 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-37 (2)
 Matrix: (soil/water) WATER Lab File ID: C072373.D
 Sample wt/vol: 5.0 (g/ml) ML Date Sampled: 7/18/2012
 % Moisture _____ Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>ug/L</u>	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.9	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	5.0	
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	26	
99-87-6	p-Isopropyltoluene	1.0	U
75-87-3	Chloromethane	1.0	U
75-65-0	tert butyl alcohol	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
109-99-9	Tetrahydrofuran	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	1.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
994-05-8	Tert-amyl Methyl Ether	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
637-92-3	Ethyl Tert-butyl ether	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-19 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-37 (2)
 Matrix: (soil/water) WATER Lab File ID: C072373.D
 Sample wt/vol: 5.0 (g/ml) ML Date Sampled: 7/18/2012
 % Moisture _____ Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>ug/L</u>	Q
108-20-3	Diisopropyl Ether	1.0	U
123-91-1	1,4-Dioxane	250	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-19 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-41 (1)
 Matrix: (soil/water) WATER Lab File ID: C072374.D
 Sample wt/vol: 5.0 (g/ml) ML Date Sampled: 7/18/2012
 % Moisture _____ Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>ug/L</u>	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	40	
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
1634-04-4	tert-Butyl methyl ether	1.0	U
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	11	
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	1.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-19 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-41 (1)
 Matrix: (soil/water) WATER Lab File ID: C072374.D
 Sample wt/vol: 5.0 (g/ml) ML Date Sampled: 7/18/2012
 % Moisture _____ Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>ug/L</u>	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	11	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
103-65-1	n-Propylbenzene	15	
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	12	
95-63-6	1,2,4-Trimethylbenzene	6.5	
135-98-8	sec-Butylbenzene	35	
99-87-6	p-Isopropyltoluene	1.4	
75-87-3	Chloromethane	1.0	U
75-65-0	tert butyl alcohol	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
109-99-9	Tetrahydrofuran	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	1.0	U
104-51-8	n-Butylbenzene	12	
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	13	
87-61-6	1,2,3-Trichlorobenzene	1.0	U
994-05-8	Tert-amyl Methyl Ether	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
637-92-3	Ethyl Tert-butyl ether	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-19 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-41 (1)
 Matrix: (soil/water) WATER Lab File ID: C072374.D
 Sample wt/vol: 5.0 (g/ml) ML Date Sampled: 7/18/2012
 % Moisture _____ Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>ug/L</u>	Q
108-20-3	Diisopropyl Ether	1.0	U
123-91-1	1,4-Dioxane	250	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-19 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-41 (2)
 Matrix: (soil/water) WATER Lab File ID: C072375.D
 Sample wt/vol: 5.0 (g/ml) ML Date Sampled: 7/18/2012
 % Moisture _____ Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>ug/L</u>	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	47	
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
1634-04-4	tert-Butyl methyl ether	1.0	U
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	1.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-19 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-41 (2)
 Matrix: (soil/water) WATER Lab File ID: C072375.D
 Sample wt/vol: 5.0 (g/ml) ML Date Sampled: 7/18/2012
 % Moisture _____ Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>ug/L</u>	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	6.8	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
103-65-1	n-Propylbenzene	8.1	
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	7.9	
95-63-6	1,2,4-Trimethylbenzene	2.9	
135-98-8	sec-Butylbenzene	28	
99-87-6	p-Isopropyltoluene	1.0	U
75-87-3	Chloromethane	1.0	U
75-65-0	tert butyl alcohol	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
109-99-9	Tetrahydrofuran	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	1.0	U
104-51-8	n-Butylbenzene	10	
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	7.5	
87-61-6	1,2,3-Trichlorobenzene	1.0	U
994-05-8	Tert-amyl Methyl Ether	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
637-92-3	Ethyl Tert-butyl ether	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-19 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: B-41 (2)
 Matrix: (soil/water) WATER Lab File ID: C072375.D
 Sample wt/vol: 5.0 (g/ml) ML Date Sampled: 7/18/2012
 % Moisture _____ Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>ug/L</u>	Q
108-20-3	Diisopropyl Ether	1.0	U
123-91-1	1,4-Dioxane	250	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-19 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: VBLK072312-2
 Matrix: (soil/water) WATER Lab File ID: C072354.D
 Sample wt/vol: 5.0 (g/ml) ML Date Sampled: 7/18/2012
 % Moisture _____ Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>ug/L</u>	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
1634-04-4	tert-Butyl methyl ether	1.0	U
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	1.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-19 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: VBLK072312-2
 Matrix: (soil/water) WATER Lab File ID: C072354.D
 Sample wt/vol: 5.0 (g/ml) ML Date Sampled: 7/18/2012
 % Moisture _____ Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>ug/L</u>	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
75-87-3	Chloromethane	1.0	U
75-65-0	tert butyl alcohol	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
109-99-9	Tetrahydrofuran	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	1.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
994-05-8	Tert-amyl Methyl Ether	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
637-92-3	Ethyl Tert-butyl ether	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0719-19 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: VBLK072312-2
 Matrix: (soil/water) WATER Lab File ID: C072354.D
 Sample wt/vol: 5.0 (g/ml) ML Date Sampled: 7/18/2012
 % Moisture _____ Date Analyzed: 7/24/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>ug/L</u>	Q
108-20-3	Diisopropyl Ether	1.0	U
123-91-1	1,4-Dioxane	250	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: New England Testing Laboratory Contract: S2244-QAS, New

Lab Code: RI010 Case No.: Y0719-19 SAS No.: Sage E SDG No.: Sage Envi

	EPA SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	TOT OUT
01	VLCS072312-2	102	107	102	0
02	VBLK072312-2	92	102	98	0
03	B-37 (2)	96	104	93	0
04	B-41 (1)	97	104	95	0
05	B-41 (2)	112	106	96	0
06	B-37 (1)	112	106	95	0

QC LIMITS

SMC1 = 4-Bromofluorobenzene (70-130)
 SMC2 = Toluene-D8 (70-130)
 SMC3 = 1,2-Dichloroethane-D4 (70-130)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D System Monitoring Compound diluted out

New England Testing Laboratory, Inc.

Volatile Organics Laboratory Control Spike

Date Analyzed:07/24/2012

Sample ID: VLCS072312-2

Compound	Spike Added	Spike Result	Recovery, %	Lower Control Limit, %	Upper Control Limit, %
1,1-Dichloroethene	50.0	57.9	116	70	129
Benzene	50.0	58.8	118	73	129
Trichloroethene	50.0	59.8	120	77	122
Toluene	50.0	57.0	114	75	123
Chlorobenzene	50.0	50.6	101	73	125

40719-19

NEW ENGLAND TESTING LABORATORY, INC.
 1254 Douglas Avenue
 North Providence, RI 02904
 1-888-863-8522

CHAIN OF CUSTODY RECORD

PROJ. NO.		PROJECT NAME/LOCATION		PRELIMINARY TESTS**		REMARKS		
S2044		Q AS - NEWPORT, RI		SAGE Environmental, Inc				
DATE	TIME	GRA B	COMP	SAMPLE I.D.	NO. OF CONTAINERS	OTHER	SOIL	SCORING
7/19/12	1200	X		B-37 (1)	1x 4 gal			X
	1400	X		B-37 (2)	1x 4 gal			X
	1230	X		B-41 (1)	" "			X
	1400	X		B-41 (2)	" "			X

Sampled by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Laboratory Remarks:
<i>[Signature]</i>	7/19/12 1600	<i>[Signature]</i>	7-19-12 8:20	Temp. received: <u>4°C</u> Cooled <input type="checkbox"/>
Relinquished by: (Signature)		Received for Laboratory by: (Signature)		
<i>Cathy A. Rane</i>	7/19/12 8:20	<i>[Signature]</i>	7/19/12 8:20	
Relinquished by: (Signature)		Received for Laboratory by: (Signature)		
<i>[Signature]</i>	7-19-12 2:35	<i>[Signature]</i>	7/19/12 14:25	

Special Instructions:
 List Specific Detection Limit Requirements:
 Turnaround (Business Days) _____

**Netlab subcontracts the following tests: Radiologicals, Radon, Asbestos, UCMFRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

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REPORT OF ANALYTICAL RESULTS

NETLAB Case Number Y0725-26

Sage Project #S2244

Prepared for:

Sage Environmental
172 Armistice Boulevard
Pawtucket, RI 02860

Report Date: July 26, 2012

Reviewed by:

Richard Warila
Laboratory Director

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue, North Providence, RI 02904

(401) 353-3420

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on July 25, 2012. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the samples provided to us by the client which are indicated on the custody record. The case number for this sample submission is Y0725-26.

Custody records are included in this report.

Site: S2244 – Newport, RI

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
MW-3	7/25/12	Water	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Volatile Organic Compounds	5030	8260B

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

CASE NARRATIVE:

Sample Receipt:

No trip blank was supplied unless it was identified in such a manner as to be un-interpretable by the laboratory. No field blank was supplied unless it was identified in such a manner as to be un-interpretable by the laboratory. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits).

The samples were all appropriately cooled and preserved upon receipt.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

Volatile Organic Compounds:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

RESULTS: VOLATILE ORGANIC COMPOUNDS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0725-26 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: MW-3
 Matrix: (soil/water) WATER Lab File ID: C072608.D
 Sample wt/vol: 5.0 (g/ml) ML Date Sampled: 7/25/2012
 % Moisture _____ Date Analyzed: 7/26/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>ug/L</u>	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
1634-04-4	tert-Butyl methyl ether	1.0	U
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	1.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0725-26 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: MW-3
 Matrix: (soil/water) WATER Lab File ID: C072608.D
 Sample wt/vol: 5.0 (g/ml) ML Date Sampled: 7/25/2012
 % Moisture _____ Date Analyzed: 7/26/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>ug/L</u>	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
75-87-3	Chloromethane	1.0	U
75-65-0	tert butyl alcohol	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
109-99-9	Tetrahydrofuran	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	1.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
994-05-8	Tert-amyl Methyl Ether	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
637-92-3	Ethyl Tert-butyl ether	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0725-26 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: MW-3
 Matrix: (soil/water) WATER Lab File ID: C072608.D
 Sample wt/vol: 5.0 (g/ml) ML Date Sampled: 7/25/2012
 % Moisture _____ Date Analyzed: 7/26/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>ug/L</u>	Q
108-20-3	Diisopropyl Ether	1.0	U
123-91-1	1,4-Dioxane	250	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0725-26 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: VBLK072612
 Matrix: (soil/water) WATER Lab File ID: C072607.D
 Sample wt/vol: 5.0 (g/ml) ML Date Sampled: 7/25/2012
 % Moisture _____ Date Analyzed: 7/26/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>ug/L</u>	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
1634-04-4	tert-Butyl methyl ether	1.0	U
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	1.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0725-26 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: VBLK072612
 Matrix: (soil/water) WATER Lab File ID: C072607.D
 Sample wt/vol: 5.0 (g/ml) ML Date Sampled: 7/25/2012
 % Moisture _____ Date Analyzed: 7/26/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>ug/L</u>	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
75-87-3	Chloromethane	1.0	U
75-65-0	tert butyl alcohol	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
109-99-9	Tetrahydrofuran	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	1.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
994-05-8	Tert-amyl Methyl Ether	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
637-92-3	Ethyl Tert-butyl ether	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Y0725-26 Client Name: Sage Environmental
 Method: 8260 Lab Sample ID: VBLK072612
 Matrix: (soil/water) WATER Lab File ID: C072607.D
 Sample wt/vol: 5.0 (g/ml) ML Date Sampled: 7/25/2012
 % Moisture _____ Date Analyzed: 7/26/2012
 Soil Extract Volume: _____ (uL) Dilution Factor: 1.0
 Analyst's Initials: AM Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: <u>ug/L</u>	Q
108-20-3	Diisopropyl Ether	1.0	U
123-91-1	1,4-Dioxane	250	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: New England Testing Laboratory Contract: S2244-Newport,

Lab Code: RI010 Case No.: Y0725-26 SAS No.: Sage E SDG No.: Sage Envi

	EPA SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	TOT OUT
01	VLCS072612	105	101	92	0
02	VBLK072612	96	105	101	0
03	MW-3	89	107	98	0

QC LIMITS

SMC1 = 4-Bromofluorobenzene (70-130)
 SMC2 = Toluene-D8 (70-130)
 SMC3 = 1,2-Dichloroethane-D4 (70-130)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D System Monitoring Compound diluted out

New England Testing Laboratory, Inc.

Volatile Organics Laboratory Control Spike

Date Analyzed:07/26/2012

Sample ID: VLCS072612

Compound	Spike Added	Spike Result	Recovery, %	Lower Control Limit, %	Upper Control Limit, %
1,1-Dichloroethene	50.0	58.2	116	70	129
Benzene	50.0	55.2	110	73	129
Trichloroethene	50.0	55.1	110	77	122
Toluene	50.0	57.7	115	75	123
Chlorobenzene	50.0	51.1	102	73	125

40725-26

NEW ENGLAND TESTING LABORATORY, INC.
 1254 Douglas Avenue
 North Providence, RI 02904
 1-888-863-8522

CHAIN OF CUSTODY RECORD

PROJECT NAME/LOCATION			NO. OF CONTAINERS			REMARKS
PROJ. NO.	PROJECT NAME/LOCATION		SOL	OTHER	NO. OF CONTAINERS	
S2244	S2244 Newport				2x40L	TESTS** VOCs Vt&WOB
	CLIENT SAGE Environmental, Inc. REPORT TO: sage@sageenvironmental.net INVOICE TO:		AGENCY			
DATE	TIME	SAMPLE I.D.	AGENCY	OTHER	NO. OF CONTAINERS	REMARKS
7/25/12		AAW-1 FM	X		2x40L	
		MW-2 FM	↓			
		MW-3 FM	↓			
		MW-4 FM	↓			
		MW-5 FM	↓			

Sampled by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Laboratory Remarks	
				Temp. received:	Cooled <input type="checkbox"/>
				Special Instructions: List Specific Detection Limit Requirements:	Turnaround (Business Days)
<i>[Signature]</i>	7-25-12 11:00			SC	Std
Relinquished by: (Signature)					
Relinquished by: (Signature)		Received for Laboratory by: (Signature)	7/25/12 10:24		

**Netlab subcontracts the following tests: Radiologicals, Radon, Asbestos, UCMRs Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

ATTACHMENT 6

**Surficial Soil Analytical Results
Queen Anne Square
Newport, Rhode Island**

Sample / (Depth) / Date Analyte	Concentration							RIDEM Method 1 Objective		
	B-43 S1 7/18/2012	B-44 S1 7/18/2012	B-45 S1 7/18/2012	B-46 S1 7/18/2012	B-47 S1 7/18/2012	B-48 S1 7/18/2012	B-49 S1 7/18/2012	Direct Exposure (Residential)	Direct Exposure (Ind. / Comm.)	GB Leachability
Total Metals by 6010C (mg/kg):										
Lead	59.9	145	134	205 ^a	85.5	126	4050 ^{ab}	150	500	NE

Where necessary, the RIDEM objectives, in ppm, have been converted to ppb to match the laboratory reporting method.

NE: No allowable limit is established for the substance

Sample Results:

a-b: Analyte concentration in this sample exceeds the RIDEM objectives for:

a: Direct Exposure in a residential area

b: Direct Exposure in a commercial or industrial area

**Soil Analytical Results
Queen Anne Square
Newport, Rhode Island**

Sample / (Depth) / Date Analyte	Concentration		RIDEM Method 1 Objective		
	B-37 S1 7/18/2012	B-40 S1B 7/18/2012	Direct Exposure (Residential)	Direct Exposure (Ind. / Comm.)	GB Leachability
Total Metals by 6010C (mg/kg):					
Arsenic		11.5 ^{ab}	7	7	NE
Barium		167	5500	10000	NE
Cadmium		<3.6	39	1000	NE
Chromium		16.3	390	10000	NE
Lead		4330 ^{ab}	150	500	NE
Selenium		<7.21	390	10000	NE
Silver		23	200	10000	NE
Total Metals by 7471B (mg/kg):					
Mercury		1.61	23	610	NE
SPLP Metals by 6010C (mg/l):					
Lead	0.58		SNA	SNA	NE

Where necessary, the RIDEM objectives, in ppm, have been converted to ppb to match the laboratory reporting method.

NE: No allowable limit is established for the substance

SNA: Standard not applicable to this laboratory analysis

<x: Indicates analyte concentration not detected at or above specified laboratory quantitation limit (x)

Sample Results:

a-b: Analyte concentration in this sample exceeds the RIDEM objectives for:

a: Direct Exposure in a residential area

b: Direct Exposure in a commercial or industrial area

**Surficial Soil Analytical Data
Queen Anne Square
Newport, Rhode Island**

Sample / (Depth) / Date Analyte	Concentration											RIDEM Method 1 Objective		
	B-40A (4') 7/27/2012	B-50 (0-2') 7/27/2012	B-51 (0-2') 7/27/2012	B-52 (0-2') 7/27/2012	B-53 (0-2') 7/27/2012	B-54 (0-2') 7/27/2012	B-55 (0-2') 7/27/2012	B-56 (0-2') 7/27/2012	B-57 (0-2') 7/27/2012	B-57 (34") 7/27/2012	B-58 (0-2') 7/27/2012	Direct Exposure (Residential)	Direct Exposure (Ind. / Comm.)	GB Leachability
Total Metals by 6010C (mg/kg):														
Lead	171 ^a	212 ^a	170 ^a	101	165 ^a	148	119	923 ^{ab}	128	123	143	150	500	NE

Where necessary, the RIDEM objectives, in ppm, have been converted to ppb to match the laboratory reporting method.

NE: No allowable limit is established for the substance

Sample Results:

a-b: Analyte concentration in this sample exceeds the RIDEM objectives for:

a: Direct Exposure in a residential area

b: Direct Exposure in a commercial or industrial area

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Groundwater Analytical Results
Queen Anne Square
Newport, Rhode Island

Sample / Date Analyte	Concentration					RIDEM Method 1		RIDEM GB Groundwater UCL
	MW-1 1/31/2012	MW-3 1/31/2012	MW-4 1/31/2012	MW-5 1/31/2012	Objective GB Groundwater			
VOCs by 8260B (ug/L):								
Vinyl Chloride	<1	<1	<1	<1	<1	2		NE
Bromomethane	<1	<1	<1	<1	<1	NE		NE
Chloroethane	<1	<1	<1	<1	<1	NE		NE
Acetone	9.7	<5	<5	<5	<5	NE		NE
1,1-Dichloroethene	<1	<1	<1	<1	<1	7		23000
Carbon Disulfide	<1	<1	<1	<1	<1	NE		NE
Methylene Chloride	<1	<1	<1	<1	<1	NE		NE
tert-Butyl methyl ether	<1	<1	<1	<1	<1	5000		NE
trans-1,2-Dichloroethene	<1	<1	<1	<1	<1	2800		79000
1,1-Dichloroethane	<1	<1	<1	<1	<1	NE		NE
2-Butanone	<5	<5	<5	<5	<5	NE		NE
cis-1,2-Dichloropropane	<1	<1	<1	<1	<1	2400		69000
Chloroform	<1	<1	<1	<1	<1	NE		NE
Bromochloromethane	<1	<1	<1	<1	<1	NE		NE
1,1,1-Trichloroethane	<1	<1	<1	<1	<1	3100		68000
1,1-Dichloropropene	<1	<1	<1	<1	<1	NE		NE
Carbon Tetrachloride	<1	<1	<1	<1	<1	70		NE
Benzene	<1	<1	<1	<1	<1	140		18000
1,2-Dichloroethane	<1	<1	<1	<1	<1	110		670000
Trichloroethene	<1	<1	<1	<1	<1	540		87000
1,2-Dichloropropane	<1	<1	<1	<1	<1	3000		140000
Bromodichloromethane	<1	<1	<1	<1	<1	NE		NE
Dibromomethane	<1	<1	<1	<1	<1	NE		NE
4-Methyl-2-pentanone	<5	<5	<5	<5	<5	NE		NE
Ethylene Dibromide	<1	<1	<1	<1	<1	NE		NE
cis-1,3-Dichloropropene	<1	<1	<1	<1	<1	NE		NE
Toluene	<1	<1	<1	<1	<1	1700		21000
Trans-1,3-Dichloropropene	<1	<1	<1	<1	<1	NE		NE
1,1,2-Trichloroethane	<1	<1	<1	<1	<1	NE		NE
2-Hexanone	<5	<5	<5	<5	<5	NE		NE
Tetrachloroethene	<1	<1	<1	<1	<1	150		NE
Chlorodibromomethane	<1	<1	<1	<1	<1	NE		NE
Chlorobenzene	<1	<1	<1	<1	<1	3200		56000
1,1,1,2-Tetrachloroethane	<1	<1	<1	<1	<1	NE		NE
Ethylbenzene	<1	<1	<1	<1	<1	1600		16000
Total Xylenes	<2	<2	<2	<2	<2	NE		NE
Styrene	<1	<1	<1	<1	<1	2200		50000
Bromoform	<1	<1	<1	<1	<1	NE		NE
Isopropylbenzene	<1	<1	<1	<1	<1	NE		NE
1,1,2,2-Tetrachloroethane	<1	<1	<1	<1	<1	NE		NE
Bromobenzene	<1	<1	<1	<1	<1	NE		NE
1,2,3-Trichloropropane	<1	<1	<1	<1	<1	NE		NE
2-Chlorotoluene	<1	<1	<1	<1	<1	NE		NE
n-Propylbenzene	<1	<1	<1	<1	<1	NE		NE
1,3,5-Trimethylbenzene	<1	<1	<1	<1	<1	NE		NE
4-Chlorotoluene	<1	<1	<1	<1	<1	NE		NE
tert-Butylbenzene	<1	<1	<1	<1	<1	NE		NE
1,2,4-Trimethylbenzene	<1	<1	<1	<1	<1	NE		NE
sec-Butylbenzene	<1	<1	<1	<1	<1	NE		NE
p-Isopropyltoluene	<1	<1	<1	<1	<1	NE		NE
Chloromethane	<1	<1	<1	<1	<1	NE		NE
tert butyl alcohol	<1	<1	<1	<1	<1	NE		NE
1,3-Dichlorobenzene	<1	<1	<1	<1	<1	NE		NE
Tetrahydrofuran	<1	<1	<1	<1	<1	NE		NE
1,4-Dichlorobenzene	<1	<1	<1	<1	<1	NE		NE
Diethyl Ether	<1	<1	<1	<1	<1	NE		NE
n-Butylbenzene	<1	<1	<1	<1	<1	NE		NE
1,2-Dichlorobenzene	<1	<1	<1	<1	<1	NE		NE
1,2-Dibromo-3-chloropropane	<1	<1	<1	<1	<1	2		NE
1,2,4-Trichlorobenzene	<1	<1	<1	<1	<1	NE		NE
Hexachlorobutadiene	1.9	<1	<1	<1	<1	NE		NE
Naphthalene	<1	<1	<1	<1	<1	NE		NE
1,2,3-Trichlorobenzene	<1	<1	<1	<1	<1	NE		NE
Tert-amyl Methyl Ether	<1	<1	<1	<1	<1	NE		NE
Dichlorodifluoromethane	<1	<1	<1	<1	<1	NE		NE
1,3-Dichloropropane	<1	<1	<1	<1	<1	NE		NE
Trichlorofluoromethane	<1	<1	<1	<1	<1	NE		NE
Ethyl Tert-butyl ether	<1	<1	<1	<1	<1	NE		NE
Diisopropyl Ether	<1	<1	<1	<1	<1	NE		NE
1,4-Dioxane	<50	<50	<50	<50	<50	NE		NE
Total Trihalomethanes	<1	<1	<1	<1	<1	NE		NE
Total Metals by 6010C (mg/L):								
Antimony		0.01		0.01		NE		NE
Arsenic		0.01		0.01		NE		NE
Beryllium		0.005		<0.005		NE		NE
Cadmium		0.005		<0.005		NE		NE
Chromium		0.09		0.065		NE		NE
Copper		0.22		0.24		NE		NE
Lead		0.425		2.64		NE		NE
Nickel		0.147		0.095		NE		NE
Selenium		0.1		0.07		NE		NE
Silver		<0.005		<0.005		NE		NE
Zinc		0.46		1.39		NE		NE
Total Metals by 7471B (mg/L):								
Mercury		<0.0002		<0.0002		NE		NE
Total Metals by 7010 (mg/L):								
Thallium		<0.002		<0.002		NE		NE

Where necessary, the RIDEM objectives, in ppb, have been converted to ppb to match the laboratory reporting method.

NE: No allowable limit is established for the substance

<x: Indicates analyte concentration not detected at or above specified laboratory quantitation limit (x)

Groundwater Analytical Results
Queen Anne Square
Newport, Rhode Island

Sample / Date Analyte	Concentration				RIDEM Method 1		RIDEM GB Groundwater UCL
	B-37 (1) 7/18/2012	B-37 (2) 7/18/2012	B-41 (1) 7/18/2012	B-41 (2) 7/18/2012	Objective GB Groundwater		
Volatile Organic Compounds by 8260B (ug/l):							
Vinyl Chloride	<1	<1	<1	<1	<1	2	NE
Bromomethane	<1	<1	<1	<1	<1	NE	NE
Chloroethane	<1	<1	<1	<1	<1	NE	NE
Acetone	37	29	40	47	47	NE	NE
1,1-Dichloroethene	<1	<1	<1	<1	<1	7	23000
Carbon Disulfide	<1	<1	<1	<1	<1	NE	NE
Methylene Chloride	<1	<1	<1	<1	<1	NE	NE
tert-Butyl methyl ether	<1	<1	<1	<1	<1	5000	NE
trans-1,2-Dichloroethene	<1	<1	<1	<1	<1	2800	79000
1,1-Dichloroethane	<1	<1	<1	<1	<1	NE	NE
2-Butanone	<5	<5	11	<5	<5	NE	NE
2,2-Dichloropropane	<1	<1	<1	<1	<1	2400	69000
cis-1,2-Dichloroethene	<1	<1	<1	<1	<1	NE	NE
Chloroform	<1	<1	<1	<1	<1	NE	NE
Bromochloromethane	<1	<1	<1	<1	<1	NE	NE
1,1,1-Trichloroethane	<1	<1	<1	<1	<1	3100	68000
1,1-Dichloropropene	<1	<1	<1	<1	<1	NE	NE
Carbon Tetrachloride	<1	<1	<1	<1	<1	70	NE
Benzene	<1	<1	1	<1	<1	140	18000
1,2-Dichloroethane	<1	<1	<1	<1	<1	110	670000
Trichloroethene	<1	<1	<1	<1	<1	540	87000
1,2-Dichloropropane	<1	<1	<1	<1	<1	3000	140000
Bromodichloromethane	<1	<1	<1	<1	<1	NE	NE
Dibromomethane	<1	<1	<1	<1	<1	NE	NE
4-Methyl-2-pentanone	<5	<5	<5	<5	<5	NE	NE
Ethylene Dibromide	<1	<1	<1	<1	<1	NE	NE
cis-1,3-Dichloropropene	<1	<1	<1	<1	<1	NE	NE
Toluene	<1	<1	<1	<1	<1	1700	21000
Trans-1,3-Dichloropropene	<1	<1	<1	<1	<1	NE	NE
1,1,2-Trichloroethane	<1	<1	<1	<1	<1	NE	NE
2-Hexanone	<5	<5	<5	<5	<5	NE	NE
Tetrachloroethene	<1	<1	<1	<1	<1	150	NE
Chlorodibromomethane	<1	<1	<1	<1	<1	NE	NE
Chlorobenzene	<1	<1	<1	<1	<1	3200	56000
1,1,1,2-Tetrachloroethane	<1	<1	<1	<1	<1	NE	NE
Ethylbenzene	<1	<1	<1	<1	<1	1600	16000
Total Xylenes	<2	<2	<2	<2	<2	NE	NE
Styrene	<1	<1	<1	<1	<1	2200	50000
Bromoform	<1	<1	<1	<1	<1	NE	NE
Isopropylbenzene	2.3	1.9	11	6.8	6.8	NE	NE
1,1,2,2-Tetrachloroethane	<1	<1	<1	<1	<1	NE	NE
Bromobenzene	<1	<1	<1	<1	<1	NE	NE
1,2,3-Trichloropropane	<1	<1	<1	<1	<1	NE	NE
2-Chlorotoluene	<1	<1	<1	<1	<1	NE	NE
n-Propylbenzene	<1	<1	15	8.1	8.1	NE	NE
1,3,5-Trimethylbenzene	<1	<1	<1	<1	<1	NE	NE
4-Chlorotoluene	<1	<1	<1	<1	<1	NE	NE
tert-Butylbenzene	7	5	12	7.9	7.9	NE	NE
1,2,4-Trimethylbenzene	<1	<1	6.5	2.9	2.9	NE	NE
sec-Butylbenzene	41	26	35	28	28	NE	NE
p-Isopropyltoluene	<1	<1	1.4	<1	<1	NE	NE
Chloromethane	<1	<1	<1	<1	<1	NE	NE
tert butyl alcohol	<1	<1	<1	<1	<1	NE	NE
1,3-Dichlorobenzene	<1	<1	<1	<1	<1	NE	NE
Tetrahydrofuran	<1	<1	<1	<1	<1	NE	NE
1,4-Dichlorobenzene	<1	<1	<1	<1	<1	NE	NE
Diethyl Ether	<1	<1	<1	<1	<1	NE	NE
n-Butylbenzene	<1	<1	12	10	10	NE	NE
1,2-Dichlorobenzene	<1	<1	<1	<1	<1	NE	NE
1,2-Dibromo-3-chloropropane	<1	<1	<1	<1	<1	2	NE
1,2,4-Trichlorobenzene	<1	<1	<1	<1	<1	NE	NE
Hexachlorobutadiene	<1	<1	<1	<1	<1	NE	NE
Naphthalene	<1	<1	13	7.5	7.5	NE	NE
1,2,3-Trichlorobenzene	<1	<1	<1	<1	<1	NE	NE
Tert-amyl Methyl Ether	<1	<1	<1	<1	<1	NE	NE
Dichlorodifluoromethane	<1	<1	<1	<1	<1	NE	NE
1,3-Dichloropropane	<1	<1	<1	<1	<1	NE	NE
Trichlorofluoromethane	<1	<1	<1	<1	<1	NE	NE
Ethyl Tert-butyl ether	<1	<1	<1	<1	<1	NE	NE
Diisopropyl Ether	<1	<1	<1	<1	<1	NE	NE
1,4-Dioxane	<250	<250	<250	<250	<250	NE	NE
Total Trihalomethanes	<1	<1	<1	<1	<1	NE	NE

Where necessary, the RIDEM objectives, in ppm, have been converted to ppb to match the laboratory reporting method.

NE: No allowable limit is established for the substance

<x: Indicates analyte concentration not detected at or above specified laboratory quantitation limit (x)

Groundwater Analytical Results
Queen Anne Square
Newport, Rhode Island

Sample / Date	Concentration		RIDE M Method 1 Objective	RIDE M GB Groundwater UCL
	MW-3	7/25/2012		
Analyte				
Volat ile Organic Compounds by 8260B (ug/l):				
Vinyl Chloride	<1		2	NE
Bromomethane	<1		NE	NE
Chloroethane	<1		NE	NE
Acetone	<5		NE	NE
1,1-Dichloroethene	<1		7	23000
Carbon Disulfide	<1		NE	NE
Methylene Chloride	<1		NE	NE
tert-Butyl methyl ether	<1		5000	NE
trans-1,2-Dichloroethene	<1		2800	79000
1,1-Dichloroethane	<1		NE	NE
2-Butanone	<5		NE	NE
2,2-Dichloropropane	<1		NE	NE
cis-1,2-Dichloroethene	<1		2400	69000
Chloroform	<1		NE	NE
Bromochloromethane	<1		NE	NE
1,1,1-Trichloroethane	<1		3100	68000
1,1-Dichloropropane	<1		NE	NE
Carbon Tetrachloride	<1		70	NE
Benzene	<1		140	18000
1,2-Dichloroethane	<1		110	670000
Trichloroethene	<1		540	87000
1,2-Dichloropropane	<1		3000	140000
Bromodichloromethane	<1		NE	NE
Dibromomethane	<1		NE	NE
4-Methyl-2-pentanone	<5		NE	NE
Ethylene Dibromide	<1		NE	NE
cis-1,3-Dichloropropene	<1		NE	NE
Toluene	<1		1700	21000
Trans-1,3-Dichloropropene	<1		NE	NE
1,1,2-Trichloroethane	<1		NE	NE
2-Hexanone	<5		NE	NE
Tetrachloroethene	<1		150	NE
Chlorodibromomethane	<1		NE	NE
Chlorobenzene	<1		3200	56000
1,1,1,2-Tetrachloroethane	<1		NE	NE
Ethylbenzene	<1		1600	16000
Total Xylenes	<2		NE	NE
Styrene	<1		2200	50000
Bromoform	<1		NE	NE
Isopropylbenzene	<1		NE	NE
1,1,2,2-Tetrachloroethane	<1		NE	NE
Bromobenzene	<1		NE	NE
1,2,3-Trichloropropane	<1		NE	NE
2-Chlorotoluene	<1		NE	NE
n-Propylbenzene	<1		NE	NE
1,3,5-Trimethylbenzene	<1		NE	NE
4-Chlorotoluene	<1		NE	NE
tert-Butylbenzene	<1		NE	NE
1,2,4-Trimethylbenzene	<1		NE	NE
sec-Butylbenzene	<1		NE	NE
p-Isopropyltoluene	<1		NE	NE
Chloromethane	<1		NE	NE
tert butyl alcohol	<1		NE	NE
1,3-Dichlorobenzene	<1		NE	NE
Tetrahydrofuran	<1		NE	NE
1,4-Dichlorobenzene	<1		NE	NE
Diethyl Ether	<1		NE	NE
n-Butylbenzene	<1		NE	NE
1,2-Dichlorobenzene	<1		NE	NE
1,2-Dibromo-3-chloropropane	<1		2	NE
1,2,4-Trichlorobenzene	<1		NE	NE
Hexachlorobutadiene	<1		NE	NE
Naphthalene	<1		NE	NE
1,2,3-Trichlorobenzene	<1		NE	NE
Tert-amyl Methyl Ether	<1		NE	NE
Dichlorodifluoromethane	<1		NE	NE
1,3-Dichloropropane	<1		NE	NE
Trichlorofluoromethane	<1		NE	NE
Ethyl Tert-butyl ether	<1		NE	NE
Diisopropyl Ether	<1		NE	NE
1,4-Dioxane	<250		NE	NE
Total Trihalomethanes	<1		NE	NE

Where necessary, the RIDE M objectives, in ppm, have been converted to ppb to match the laboratory reporting method.

NE: No allowable limit is established for the substance

<x: Indicates analyte concentration not detected at or above specified laboratory quantitation limit (x)

ATTACHMENT 7

**Section 7 of the "Remediation Regulations"
Site Investigation Report (SIR) Checklist**

Contact Name: Bruce Clark
Contact Address: SAGE Environmental, Inc., 172 Armistice Blvd., Pawtucket, RI 02860
Contact Telephone: 401-723-9900 x. 123

Site Name: Queen Anne Square
Site Address: Corner of Mill and Thames Street – Plat 24 Lot 346, Newport RI

OFFICE USE ONLY

SITE INVESTIGATION REPORT (SIR) SITE:
PROJECT CODE:
SIR SUBMITTAL DATE:
CHECKLIST SUBMITTAL DATE:

DIRECTIONS: *The box to the left of each item listed below is for the administrative review of the SIR submission and is for **RIDEM USE ONLY**. Under each item listed below, cross-reference the specific sections and pages in the SIR that provide detailed information that addresses each stated requirement. Failure to include cross-references may delay review and approval. If an item is not applicable, simply state that it is not applicable and provide an explanation in the SIR.*

- 7.03.A. List specific objectives of the SIR related to characterization of the release, impacts of the release and remedy.
Pg. 4-5
- 7.03.B. Include information reported in the Notification Of Release. A copy of the release notification form should be included in the SIR. Include information relating to short-term response, if applicable.
Pg. 2-3; RNF previously submitted and received by the Department on 2/27/12
- 7.03.C. Include documentation of any past incidents or releases.
Pg. 1-3; Attachment 2 – (Phase 1 – Sect 3.2 and 3.4 pgs 7-8)
- 7.03.D. Include list of prior property owners and operators, as well as sequencing of property transfers and time periods of occupancy.
Attachment 2 – (Phase 1 – Sect. 2.6.1 pg. 4)
- 7.03.E. Include previously existing environmental information which characterizes the contaminated-site and all information that led to the discovery of the contaminated-site.
Attachment 2 – (Phase 1 – Sect. 2.6.6 pg.5 and Sect. 2.6.8 pg. 7)
- 7.03.F. Include current uses and zoning of the contaminated site, including brief statements of operations, processes employed, waste generated, hazardous materials handled, and any residential activities on the site, if applicable. (This section should be linked to the specific objectives section demonstrating how the compounds of concern in the investigation are those that are used or may have been used on the site or are those that may have impacted the site from an off-site source.)
Attachment 2 – (Phase 1 – Sect. 2.2-2.6.8 pgs 5-7)
- 7.03.G. Include a locus map showing the location of the site using US Geological Survey 7.5-min quadrangle map or a copy of a section of that USGS map.
Figure 1

- 7.03.H. Include a site plan, to scale, showing:
 - Buildings
Figure 3
 - Activities
Figure 3
 - Structures
Figure 3
 - North Arrow
Figure 1, 2, 3
 - Wells
Figure 3
 - UIC Systems, septic tanks, UST, piping and other underground structures
N/A
 - Outdoor hazardous materials storage and handling areas
N/A
 - Extent of paved areas
No paved areas
 - Location of environmental samples previously taken with analytical results
Figure 3
 - Waste management and disposal areas
N/A
 - Property Lines
Figure 2,3
- 7.03.I. Include a general characterization of the property surrounding the area including, but not limited to:
 - Location and distance to any surface water bodies within 500 ft of the site
Attachment 2 – (Phase 1 –Section 3.5 pg. 13)
 - Location and distance to any environmentally sensitive areas within 500 ft of the site
Attachment 2 - (Phase 1 –Section 3.5 pg. 13)
 - Actual sources of potable water for all properties immediately abutting the site
Attachment 2 – (Phase 1 –Section 3.5 pg. 13 and Figure 5)
 - Location and distance to all public water supplies, which have been active within the previous 2 years and within one mile of the site
Attachment 2 – (Phase 1 –Figure 5)
 - Determination as to whether the release impacts any off-site area utilized for residential or industrial/commercial property or both
Section 4.6.2-4.6.4 pg. 21-22
 - Determination of the underlying groundwater classification and if the classification is GB, the distance to the nearest GA area
Attachment 2 – (Phase 1 –Section 3.5 pg. 13 and Figure 5)
- 7.03.J. Include classifications of surface and ground water at and surrounding the site that could be impacted by a release.
Attachment 2 – (Phase 1 –Figure 5)
- 7.03.1K. Include a description of the contamination from the release, including:

- Free liquids on the surface
Section 4.6.3 pg. 22
- LNAPL and DNAPL
Section 4.6.3 pg. 22
- Concentrations of hazardous substances which can be shown to present an actual or potential threat to human health and any concentrations in excess of any of the remedial objectives
Tables 4, 5, 6, 7 and 9; pg. 2-3
- Impact to environmentally sensitive areas
Attachment 2 – (Phase 1 –Section 3.5 pg. 13)
- Contamination of man-made structures
Attachment 2 – (Phase 1 –Section 4.1 pgs. 14-15)
- Odors or stained soil
Attachment 2 – (Phase 1 –Section 4.1 pgs. 14-15)
- Stressed vegetation
Attachment 2 – (Phase 1 –Section 4.1 pgs. 14-15)
- Presence of excavated or stockpiled material and an estimate of its total volume
Attachment 2 – (Phase 1 –Section 4.1 pgs. 14-15)
- Environmental sampling locations, procedures and copies of the results of any analytical testing at the site
Figure 3; Section 4.0 pgs. 4-23; Attachment 4, 5, 6
- List of hazardous substances at the site
Attachment 2 – (Phase 1 –Section 4.1 pgs. 14-15); Executive Summary of SIR and Sect. 5 pg. 22-24
- Discuss if the contamination falls outside of the jurisdiction of the Remediation Regulations, including but not limited to USTs, UICs, and wetlands
Attachment 2 – (Phase 1 –Section 3.5 pg. 13, Section 4.4 pgs. 14)
- 7.03.L. Include the concentration gradients of hazardous substances throughout the site for each media impacted by the release.
Tables 4, 5, 6, 7, 9
- 7.03.M. Include the methodology and results of any investigation conducted to determine background concentrations of hazardous substances identified at the contaminated site.
NA
- 7.03.N. Include a listing and evaluation of the site specific hydrogeological properties which could influence the migration of hazardous substances throughout and away from the site, including but not limited to, where appropriate:
 - Depth to GW
Section 4.6.3 pg. 22; Section 4.6.1 Table 8 pg. 19
 - Presence and effects of both the natural and man-made barriers to and conduits for contaminant migration
Attachment 2 – (Phase 1 Section 3.5 pg. 13)
 - Characterization of bedrock
Attachment 2 – (Phase 1 Section 3.5 pg. 13)
 - Groundwater contours, flow rates and gradients throughout the site
Figure 4
- 7.03.O. Include a characterization of the topography, surface water and run-off flow patterns, including the flooding potential, of the site
Attachment 2 – (Phase 1 Section 3.5 pg. 13)

- 7.03.P. Include the potential for hazardous substances from the site to volatilize and any and all potential impacts of the volatilization to structures within the site.
NA – No concentrations in soil or GW of VOCs in excess of applicable RIDEM Ind/Comm Objectives
- 7.03.Q. Include the potential for entrainment of hazardous substances from the site by wind or erosion actions.
Executive Summary of SIR and Sect. 5 pg. 22-24
- 7.03.R. Include detailed protocols for all fate and transport models used in the Site Investigation.
NA – Since GW below applicable GB standard, no Fate & Transport Modeling
- 7.03.S. Include a complete list of all samples taken, the location of all samples, parameters tested for and analytical methods used during the Site Investigation. (Be sure to include the samples locations and analytical results on a site figure).
Section 4.0 pg. 4-23; Fig. 3; and Section 5 pg. 22-24
- 7.03.T. Include construction plans and development procedures for all monitoring wells. Well construction must be consistent with the requirements of Appendix I of the Groundwater Quality Regulations.
Attachment 2 and Attachment 3
- 7.03.U. Include procedures for the handling, storage and disposal of wastes derived from and during the investigation.
N/A – No wastes generated during investigation
- 7.03.V. Include a quality assurance and quality control evaluation summary report for sample handling and analytical procedures, including, but not limited to, chain-of-custody procedures and sample preservation techniques.
Section 4.0 pg. 4-23; Attachments 4, 5, 6
- 7.03.W. Include any other site-specific factor, that the Director believes, is necessary to make an accurate decision as to the appropriate remedial action to be taken at the site.
NA
- 7.04 Include Remedial Alternatives. The Site Investigation Report must contain a minimum of 2 remedial alternatives other than no action/natural attenuation alternative, unless this requirement is waived by the Department. It should be clear which of these alternatives is most preferable. All alternatives must be supported by relevant data contained in the Site Investigation Report and consistent with the current and reasonably foreseeable land usage, and documentation of the following;
 - Compliance with Section 8 (RISK MANAGEMENT);
Section 6.0 pgs. 26-31
 - Technical feasibility of the preferred remedial alternative;
Section 6.0 pgs. 26-31
 - Compliance with Federal, State and local laws or other public concerns; and
Section 6.0 pgs. 26-31
 - The ability of the performing party to perform the preferred remedial alternative
Section 6.0 pgs. 26-31

- 7.05 Certification Requirements: The Site Investigation Report and all associated progress reports must include the following statements signed by an authorized representative of the party specified:
 - A statement signed by an authorized representative of the person who prepared the Site Investigation Report certifying the completeness and accuracy of the information contained in that report to the best of their knowledge; and
Section 7.0 pg. 32
 - A statement signed by the performing party responsible for the submittal of the Site Investigation Report certifying that the report is a complete and accurate representation of the site and the release and contains all known facts surrounding the release to the best of their knowledge
Section 7.0 pg. 32
- 7.06 Progress Reports: If the Site Investigation is not complete, include a schedule for the submission of periodic progress reports on the status of the investigation and interim reports on any milestones achieved in the project
NA
- 7.07 Public Notice: Be prepared to implement public notice requirements per Section 7.07 and 7.09 of the Remediation Regulations when the Department deems the Site Investigation Report to be complete.