



**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***

RECEIVED  
D.E.M. / O.W.M.  
2012 MAR 12 P 12:17

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

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## 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](mailto: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

**Proposed Scope of Work**  
**Supplemental Subsurface Investigation**

**Queen Anne Square**  
**Newport, Rhode Island**

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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

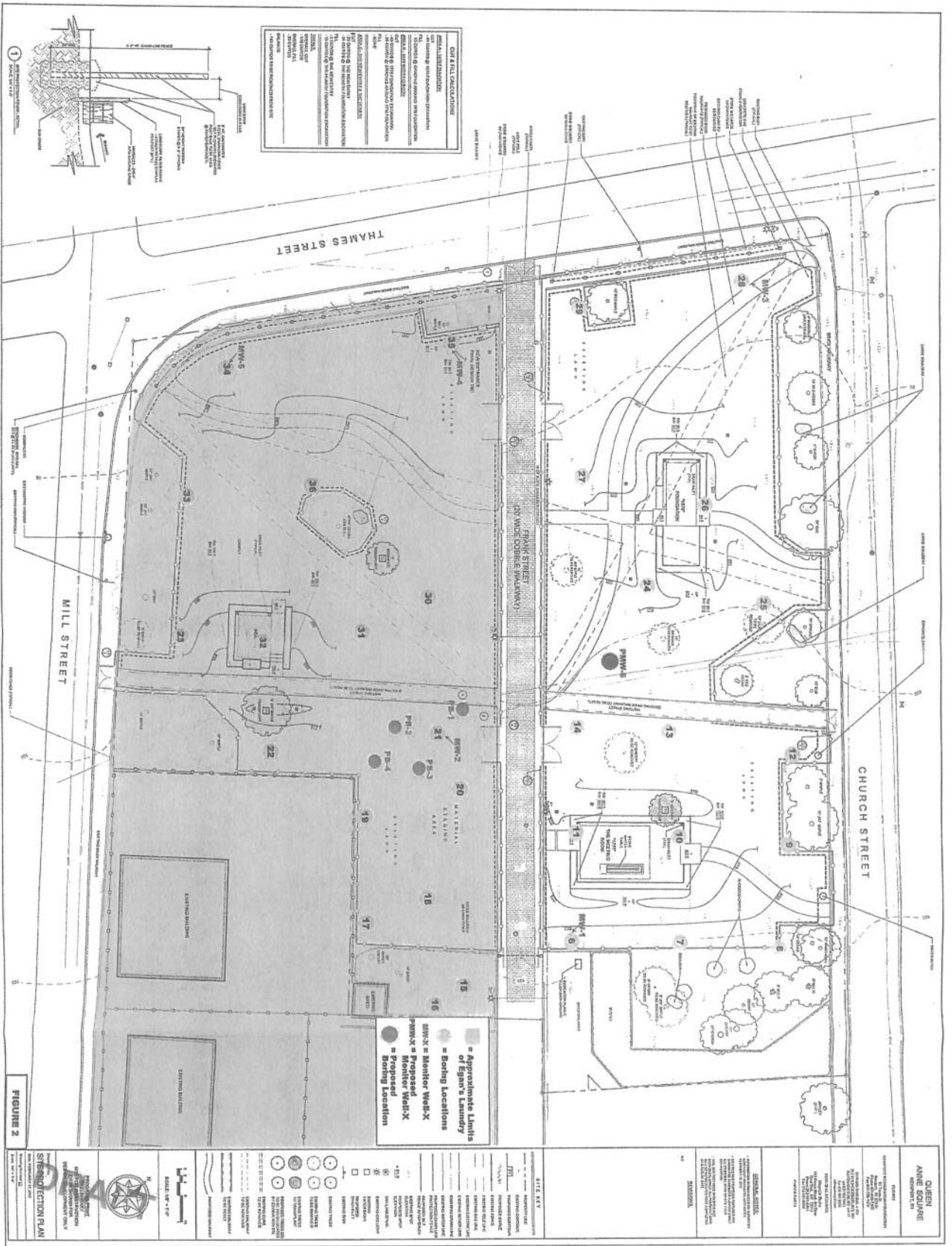
SAGE will measure the depth to groundwater in all Site monitor wells and evaluate the presence/absence of separate-phase petroleum (SPP) using an interface probe. One groundwater sample will be collected from each groundwater monitor well using dedicated, disposable bailers. Monitor wells will be purged 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

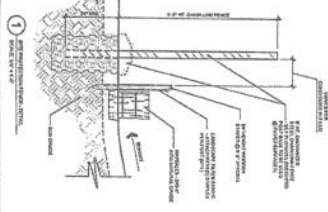
The data obtained from the above investigation will be provided in a Site Investigation Report (SIR). The SIR will include a summary of all data obtained to date as well as the work elements outlined in Section 7.03 of the *Remediation Regulations*. The SIR will also include a section proposing a minimum of two remedial alternatives other than the no action/natural attenuation alternative. The report will be submitted in both hard copy and ecopy format.



= Approximate Limits of Egan's Lanuny  
 = Botling Locations  
 SIM-X or Proposed Monitor Walk  
 = Proposed Botling Location

**CONTRACT INFORMATION**

PROJECT: Queen Anne's Lane  
 CLIENT: [Blank]  
 ARCHITECT: [Blank]  
 DATE: [Blank]



<b>GENERAL NOTES</b> 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BRITISH STANDARD CODES OF PRACTICE. 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. 3. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES. 4. ALL WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME. 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SERVICES AND STRUCTURES. 6. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE ARCHITECT. 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ALL WASTE MATERIALS IN ACCORDANCE WITH LOCAL REGULATIONS. 8. ALL UTILITIES SHALL BE MARKED AND DEPTH RECORDED PRIOR TO ANY EXCAVATION WORK. 9. THE CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDS OF ALL WORK DONE. 10. ALL WORK SHALL BE COMPLETED TO THE SATISFACTION OF THE ARCHITECT.	<b>TITLE BLOCK</b> PROJECT: Queen Anne's Lane CLIENT: [Blank] ARCHITECT: [Blank] DATE: [Blank]	<b>SCALE: 1/4" = 1'-0"</b> 	<b>FIGURE 2</b> <b>SECTION PLAN</b> SHEET NO. [Blank]
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