

S-175820  
November 20, 2019

Ashley Linear Irrev. Trust  
C/O Ashley Linear  
17 Pope Street  
Salem, MA 01970

Re: **Notice of Environmental Sampling  
Gallows Hill Park Project  
Salem, Massachusetts  
RTN 3-35355**

To Whom it May Concern:

On behalf of the City of Salem Department of Planning and Community Development Office, Tighe & Bond is providing this "Notice of Environmental Sampling" for the sampling that occurred on the condominium property located at 17 Pope Street, 19 Pope Street, 41 Proctor Street and 43 Proctor Street (collectively referred to herein as the Pope and Proctor Street Condominium Property) as part of site assessment activities being conducted at the Gallows Hill Park.

## Site Background Overview

The Gallows Hill Park property contains approximately 24 acres of land consisting of two parcels, with the "main" park parcel situated at 53 Hanson Street and a smaller park parcel situated to the east at 50 Proctor Street which sometimes referred to as "Mansell Park."

During due diligence investigations that were being completed at the Gallows Hill Park in November 2018 in preparation for future park renovation work, elevated levels of arsenic were detected in shallow soils in a grass covered area on the 50 Proctor Street parcel. Subsequent investigations conducted across the Gallows Hill Park indicated that a condition that could pose an Imminent Hazard to human health was triggered in accordance with Massachusetts Contingency Plan (MCP; 310 CMR 40.0000) due to elevated concentrations of arsenic detected in shallow soils on the 50 Proctor Street parcel. This portion of the park has since been closed to the general public, and the Massachusetts Department of Environmental Protection (MassDEP) assigned Release Tracking Number (RTN) 3-35355 to the site under the MCP regulations.

Historical records indicate that a tannery facility was located on the far eastern portion of the 50 Proctor Street parcel in the late 1800s through early 1900s, and those former tannery operations are the apparent source of the elevated arsenic levels on the 50 Proctor Street parcel. [Note: The City of Salem took ownership of the 50 Proctor Street parcel in 1940.] During earlier tannery operations, historical mapping indicates there was an open stream channel that crossed this portion of the park property, which is in the general location where an underground storm water drain system currently exists. That current culvert system crosses Proctor Street and temporarily "daylights" in a common area on the northern portion of the Pope and Proctor Street Condominium Property before continuing in a culverted system that ultimately discharges to the channelized North River further to the northeast of the site. [Note: Water flow in the drainage swale through the culverted system is constant, and therefore this is considered a culverted stream channel.] An Aerial Plan depicting these features is attached as Figure 1.



Based on this background, there were concerns about potential impacts associated with the drainage swale on the Pope and Proctor Street Condominium Property from the historical tannery operations at the 50 Proctor Street parcel. Therefore, a sediment sampling program was conducted on this off-site property, as reviewed below.

## Summary Review of Drainage Swale Sampling

On October 21, 2019, Tighe & Bond personnel collected sediment samples from the drainage swale for laboratory analysis. Prior to this event, a proposed sampling plan was review by MassDEP personnel, and the City obtained access permission from a representative of the Pope and Proctor Street Condominium association.

During this sampling event, Tighe & Bond collected 10 sediment samples (ID: SED-1 through SED-10) from the drainage swale. The sediment samples were collected approximately every five feet along the length of the approximate 50-foot swale. The approximate locations of the samples are depicted on the Off-Site Sediment Sampling Plan attached as Figure 2. Each sample was collected from approximately 0 to 6-inches below surface grade and submitted for laboratory analysis of arsenic.

Table 1 attached summarizes the arsenic results for the 10 sediment samples. Within the summary table, sediment results are compared to Probable Effects Concentrations (PECs), as referenced in MassDEP's Revised Sediment Screening Values, technical update document of January 2006. [Note: These sediment screening values are used to evaluate potential risk to ecological receptors in the water body.] In the table, sediment results are also compared to MCP Method 1, S-1 standards for soils which are the most conservative (i.e., lowest) standards used to evaluate potential risk to human health under the MCP regulations.

As summarized in Table 1, arsenic detections in the 10 sediment samples ranged between 3.70 milligrams per kilogram (mg/kg) and 8.10 mg/kg. These concentrations are well below the PEC sediment screening value of 33 mg/kg as well as below the Method 1 "soil" standard of 20 mg/kg. [Note: For further comparison, the concentrations of arsenic detected in shallow soils at the 50 Proctor Street park parcel exceed 20 mg/kg across most of the property, with concentrations as high as 12,300 mg/kg detected.]

Based on these findings, there is no evidence that former tannery operations at the 50 Proctor Street park parcel (i.e., subject of RTN 3-35355) has impacted the off-site drainage swale via stormwater runoff and/or from the earlier stream flow across the park parcel.

## Conclusions

The sediment sampling that occurred on the Pope and Proctor Street Condominium Property was completed as part of Phase II Comprehensive Site Assessment for delineating the impacts associated with RTN 3-35355 at the 50 Proctor Street park parcel. Those results indicate that there's no evidence that former tannery operations at the park parcel has impacted the off-site drainage swale on the Pope and Proctor Street Condominium Property. Therefore, further assessment on the Pope and Proctor Street Condominium Property is not scheduled as part of response actions associated with RTN 3-35355.

In accordance with the Public Notification Procedures of the MCP at 310 CMR 40.1403(10), the Bureau of Waste Site Cleanup form BWSC123 is attached to this letter for your records. Further information (including report submittals) associated with the 50 Proctor Street park parcel are available online for public review in MassDEP's Reportable Release File Viewer at [http://public.dep.state.ma.us/wsc\\_viewer/main.aspx](http://public.dep.state.ma.us/wsc_viewer/main.aspx) under RTN 3-35355.

If you have any questions or comments, please feel free to contact me at 413.572.3222 (office) or 617.548.8939 (cell) at your earliest convenience.

Very truly yours,

**TIGHE & BOND, INC.**



Todd D. Kirton, LSP  
Senior Hydrologist

**Attachments:**

Figure 1 – Aerial Plan  
Figure 2 – Off-Site Sediment Sampling Plan  
Table 1 – Summary of Sediment Sample Results  
BWSC123 Form

**Copy:** Tom Devine; Salem Department of Planning and Community Development Office

J:\S\S1758 Salem MA On Call Engineering\Gallows Hill Park\_due diligence\Report\Off-Site Sampling Notification\Owner notification\_17 Pope Street.docx





#### Legend

- Drain Manholes
- Drainage Swale
- Drain Pipes
- Approximate Site Parcel

**Tighe&Bond**  
Engineers | Environmental Specialists

Based on MassGIS Color Orthophotography (2013-2014).  
Parcels Boundaries (FY 11) are approximate, downloaded from  
MassGIS. Utility data provided by City of Salem Engineering Dept.

1:2,400  
0 100 200  
Feet

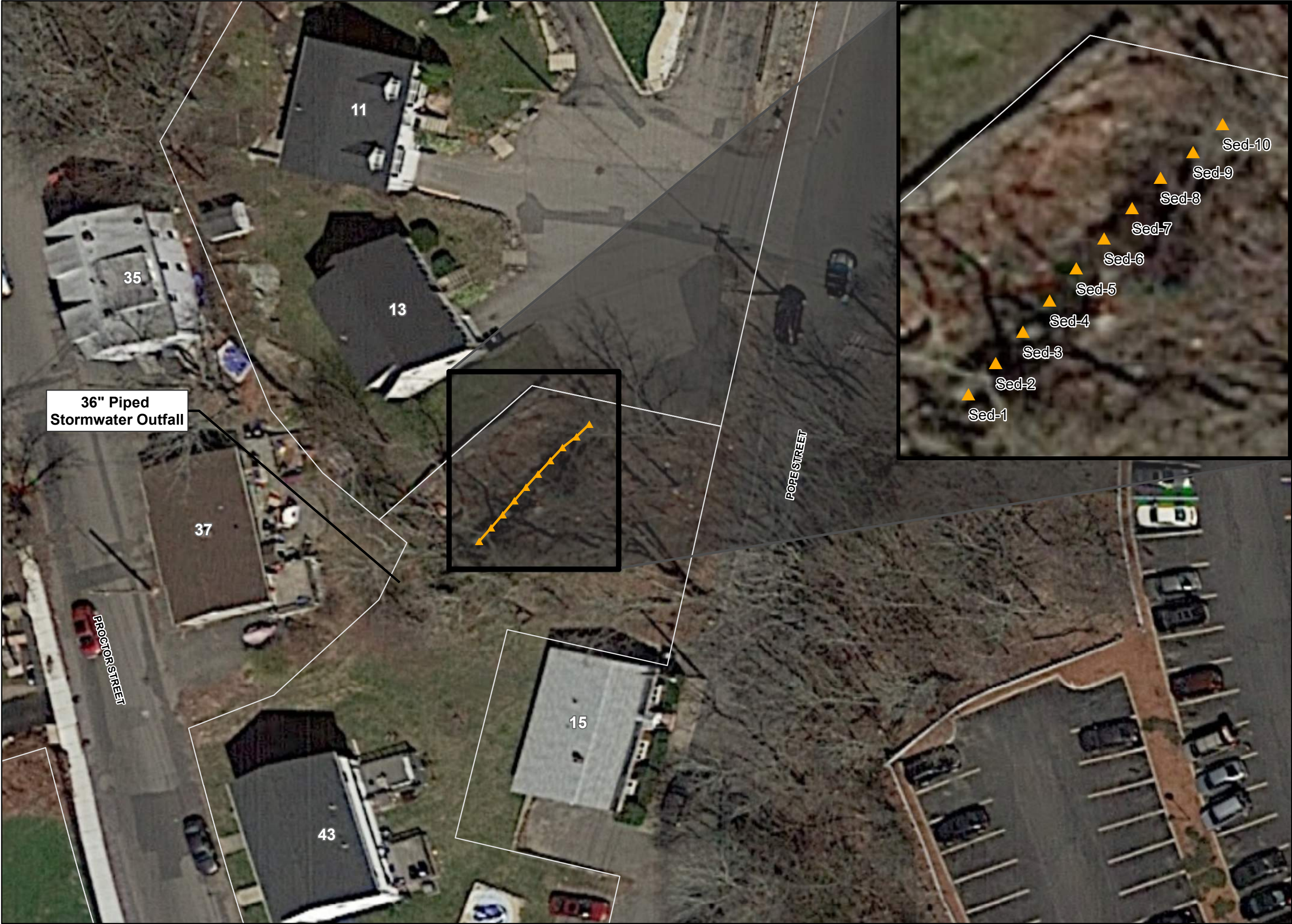


#### FIGURE 1 ORTHOPHOTOGRAPH

Gallows Hill Park  
50 Proctor Street  
Salem, Massachusetts  
RTN 3-35355

November 2019





**FIGURE 2**  
**Off-Site Drainage Swale Sampling Plan**

**LEGEND**

- Approximate Sediment Sample Location
- Approximate Parcel Boundary

**LOCUS MAP**

Peabody  
Lynn

0 10 20  
Feet  
1:300

**OTHER NOTES**

1. Based on Google(C) Imagery (2018)  
2. Parcels (FY 2011) downloaded from MassGIS and are approximate.  
3. Utility data provided by City of Salem Engineering Dept., and supplemented by camera utility line survey completed by City, 2-6-19  
4. Samples collected by Tighe & Bond, October 2019

**Gallows Hill Park**  
**50 Proctor Street**  
**Salem, Massachusetts**

**November 2019**

**Tighe&Bond**  
Engineers | Environmental Specialists



TABLE 1 - Summary of Off-Site Drainage Swale Sediment Results

Gallows Hill Park  
50 Proctor Street  
Salem, Massachusetts  
RTN 3-35355

Analyses	MassDEP Sediment Screening Criteria <sup>(1)</sup>	MCP - Method 1 Standards		Sediment Sample: Sample Depth <sup>(2)</sup> : Sample Date:	SED-1	SED-2	SED-3	SED-4	SED-5	SED-6	SED-7	SED-8	SED-9	SED-10
		S-1/GW-2	S-1/GW-3		0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"
					10/21/19	10/21/19	10/21/19	10/21/19	10/21/19	10/21/19	10/21/19	10/21/19	10/21/19	10/21/19
Metals														
Arsenic	33	20	20		3.71	4.43	7.50	3.70	4.54	5.60	6.98	5.78	8.10	5.23

NOTES:

Results in milligrams per kilogram (mg/kg)

<sup>(1)</sup> Probable Effects Concentrations (PECs), as referenced in MassDEP's Revised Sediment Screening Values, technical update document of January 2006.

<sup>(2)</sup> Sample depth considered approximate.



**Massachusetts Department of Environmental Protection**  
*Bureau of Waste Site Cleanup*

**BWSC123**

This Notice is Related to:  
Release Tracking Number

**NOTICE OF ENVIRONMENTAL SAMPLING**

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

**3** - **35355**

**A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):**

1. Street Address: 50 Proctor Street  
City/Town: Salem Zip Code: 01970

**B. This notice is being provided to the following party:**

1. Name: Ashley Linear Irrev. Trust  
2. Street Address: 17 Pope Street  
City/Town: Salem Zip Code: 01970

**C. This notice is being given to inform its recipient (the party listed in Section B):**

- ☒ 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.  
☐ 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.  
☐ 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

**D. Location of the property where the environmental sampling will be/has been conducted:**

1. Street Address: 17 Pope Street - part of Pope and Proctor Street Condominium  
City/Town: Salem Zip Code: 01970
2. MCP phase of work during which the sampling will be/has been conducted:
- |  |  |
|--|--|
| <input type="checkbox"/> Immediate Response Action                         | <input type="checkbox"/> Phase III Feasibility Evaluation                              |
| <input type="checkbox"/> Release Abatement Measure                         | <input type="checkbox"/> Phase IV Remedy Implementation Plan                           |
| <input type="checkbox"/> Utility-related Abatement Measure                 | <input type="checkbox"/> Phase V/Remedy Operation Status                               |
| <input type="checkbox"/> Phase I Initial Site Investigation                | <input type="checkbox"/> Post-Temporary Solution Operation, Maintenance and Monitoring |
| <input checked="" type="checkbox"/> Phase II Comprehensive Site Assessment | <input type="checkbox"/> Other _____<br>(specify)                                      |
3. Description of property where sampling will be/has been conducted:  
☒ residential ☐ commercial ☐ industrial ☐ school/playground ☐ Other \_\_\_\_\_  
(specify)
4. Description of the sampling locations and types (e.g., soil, groundwater, indoor air, soil gas) to the extent known at the time of this notice.  
See cover letter

**E. Contact information related to the party providing this notice:**

Contact Name: Tom Devine of Salem Dept of Planning & Community Development  
Street Address: 93 Washington Street  
City/Town: Salem Zip Code: 01970  
Telephone: 978.619.5682 Email: tdevine@salem.com



**Massachusetts Department of Environmental Protection**  
*Bureau of Waste Site Cleanup*

**BWSC123**

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Release Tracking Number

**NOTICE OF ENVIRONMENTAL SAMPLING**

3 - 35355

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

**MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE**

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

**THE PERSON(S) PROVIDING THIS NOTICE**

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the "disposal site".)

**PURPOSE OF THIS NOTICE**

When environmental samples are taken as part of an investigation of a release for which a notification to MassDEP has been made under the Massachusetts Contingency Plan (310 CMR 40.0300) on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

**Section C** on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

**Section D** on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

**FOR MORE INFORMATION**

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/eea/agencies/massdep/cleanup>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://public.dep.state.ma.us/SearchableSites2/Search.aspx> to view site-specific files on-line or <http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html> if you would like to make an appointment to see these files in person. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.



S-175820  
November 20, 2019

Arnold Westfield & Loan Thu Thi Nguyen Westfield  
19 Pope Street  
Salem, MA 01970

Re: **Notice of Environmental Sampling**  
**Gallows Hill Park Project**  
**Salem, Massachusetts**  
**RTN 3-35355**

To Whom it May Concern:

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During due diligence investigations that were being completed at the Gallows Hill Park in November 2018 in preparation for future park renovation work, elevated levels of arsenic were detected in shallow soils in a grass covered area on the 50 Proctor Street parcel. Subsequent investigations conducted across the Gallows Hill Park indicated that a condition that could pose an Imminent Hazard to human health was triggered in accordance with Massachusetts Contingency Plan (MCP; 310 CMR 40.0000) due to elevated concentrations of arsenic detected in shallow soils on the 50 Proctor Street parcel. This portion of the park has since been closed to the general public, and the Massachusetts Department of Environmental Protection (MassDEP) assigned Release Tracking Number (RTN) 3-35355 to the site under the MCP regulations.

Historical records indicate that a tannery facility was located on the far eastern portion of the 50 Proctor Street parcel in the late 1800s through early 1900s, and those former tannery operations are the apparent source of the elevated arsenic levels on the 50 Proctor Street parcel. [Note: The City of Salem took ownership of the 50 Proctor Street parcel in 1940.] During earlier tannery operations, historical mapping indicates there was an open stream channel that crossed this portion of the park property, which is in the general location where an underground storm water drain system currently exists. That current culvert system crosses Proctor Street and temporarily "daylights" in a common area on the northern portion of the Pope and Proctor Street Condominium Property before continuing in a culverted system that ultimately discharges to the channelized North River further to the northeast of the site. [Note: Water flow in the drainage swale through the culverted system is constant, and therefore this is considered a culverted stream channel.] An Aerial Plan depicting these features is attached as Figure 1.



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As summarized in Table 1, arsenic detections in the 10 sediment samples ranged between 3.70 milligrams per kilogram (mg/kg) and 8.10 mg/kg. These concentrations are well below the PEC sediment screening value of 33 mg/kg as well as below the Method 1 "soil" standard of 20 mg/kg. [Note: For further comparison, the concentrations of arsenic detected in shallow soils at the 50 Proctor Street park parcel exceed 20 mg/kg across most of the property, with concentrations as high as 12,300 mg/kg detected.]

Based on these findings, there is no evidence that former tannery operations at the 50 Proctor Street park parcel (i.e., subject of RTN 3-35355) has impacted the off-site drainage swale via stormwater runoff and/or from the earlier stream flow across the park parcel.

## Conclusions

The sediment sampling that occurred on the Pope and Proctor Street Condominium Property was completed as part of Phase II Comprehensive Site Assessment for delineating the impacts associated with RTN 3-35355 at the 50 Proctor Street park parcel. Those results indicate that there's no evidence that former tannery operations at the park parcel has impacted the off-site drainage swale on the Pope and Proctor Street Condominium Property. Therefore, further assessment on the Pope and Proctor Street Condominium Property is not scheduled as part of response actions associated with RTN 3-35355.

In accordance with the Public Notification Procedures of the MCP at 310 CMR 40.1403(10), the Bureau of Waste Site Cleanup form BWSC123 is attached to this letter for your records. Further information (including report submittals) associated with the 50 Proctor Street park parcel are available online for public review in MassDEP's Reportable Release File Viewer at [http://public.dep.state.ma.us/wsc\\_viewer/main.aspx](http://public.dep.state.ma.us/wsc_viewer/main.aspx) under RTN 3-35355.



If you have any questions or comments, please feel free to contact me at 413.572.3222 (office) or 617.548.8939 (cell) at your earliest convenience.

Very truly yours,

**TIGHE & BOND, INC.**



Todd D. Kirton, LSP  
Senior Hydrologist

**Attachments:**

Figure 1 – Aerial Plan  
Figure 2 – Off-Site Sediment Sampling Plan  
Table 1 – Summary of Sediment Sample Results  
BWSC123 Form

**Copy:** Tom Devine; Salem Department of Planning and Community Development Office

J:\S\S1758 Salem MA On Call Engineering\Gallows Hill Park\_due diligence\Report\Off-Site Sampling Notification\Owner notification\_19 Pope Street.docx



#### Legend

- Drain Manholes
- Drainage Swale
- Drain Pipes
- Approximate Site Parcel

**Tighe&Bond**  
Engineers | Environmental Specialists

Based on MassGIS Color Orthophotography (2013-2014).  
Parcels Boundaries (FY 11) are approximate, downloaded from  
MassGIS. Utility data provided by City of Salem Engineering Dept.

1:2,400  
0 100 200  
Feet

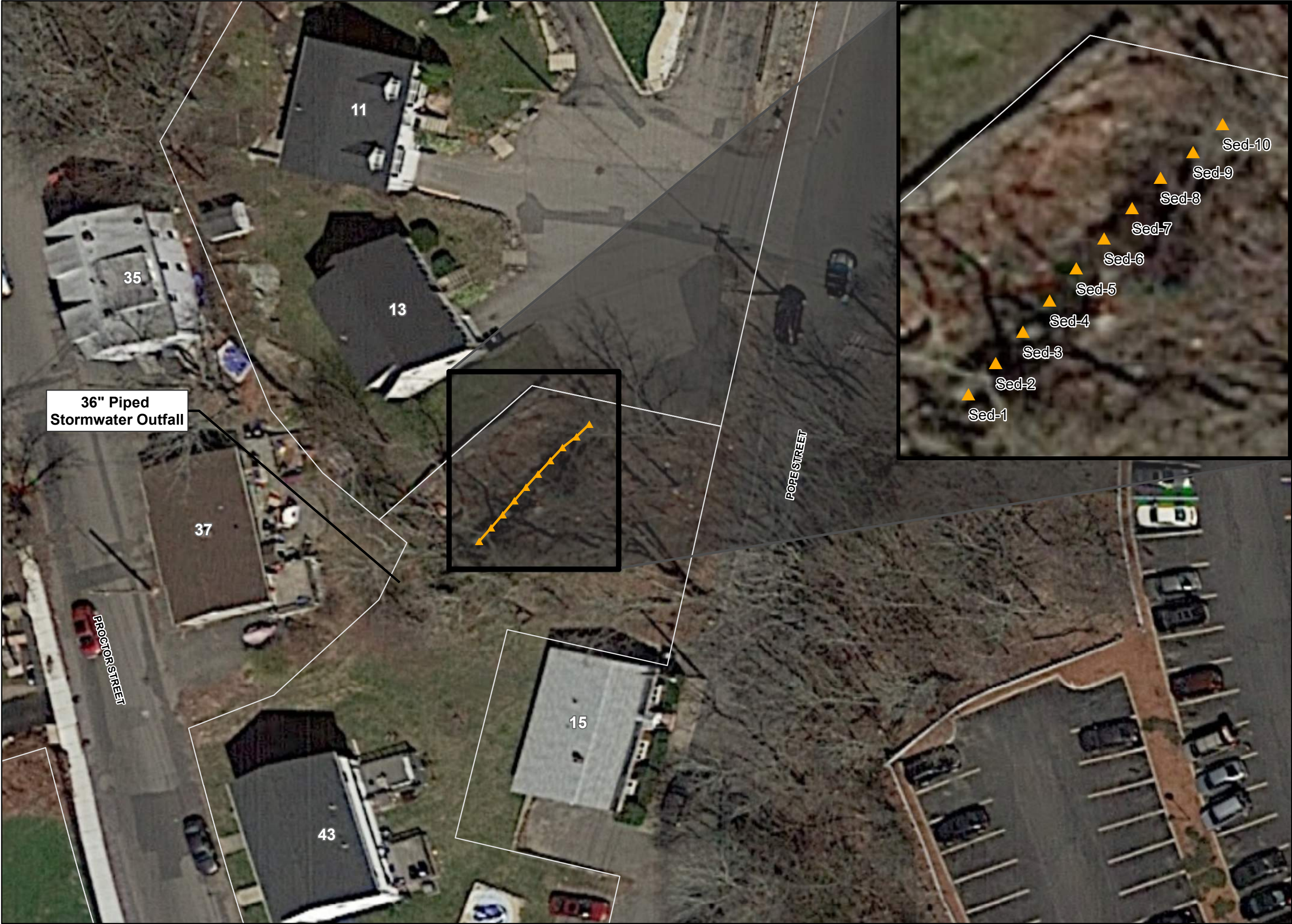


#### FIGURE 1 ORTHOGRAPH

Gallows Hill Park  
50 Proctor Street  
Salem, Massachusetts  
RTN 3-35355

November 2019





**FIGURE 2**  
**Off-Site Drainage Swale Sampling Plan**

**LEGEND**

▲ Approximate Sediment Sample Location

□ Approximate Parcel Boundary

**LOCUS MAP**

Peabody

Lynn

0 10 20  
Feet  
1:300

**OTHER NOTES**

1. Based on Google(C) Imagery (2018)  
2. Parcels (FY 2011) downloaded from MassGIS and are approximate.  
3. Utility data provided by City of Salem Engineering Dept., and supplemented by camera utility line survey completed by City, 2-6-19  
4. Samples collected by Tighe & Bond, October 2019

**Gallows Hill Park**  
**50 Proctor Street**  
**Salem, Massachusetts**

**November 2019**

**Tighe&Bond**  
Engineers | Environmental Specialists



TABLE 1 - Summary of Off-Site Drainage Swale Sediment Results

Gallows Hill Park  
50 Proctor Street  
Salem, Massachusetts  
RTN 3-35355

Analyses	MassDEP Sediment Screening Criteria <sup>(1)</sup>	MCP - Method 1 Standards		Sediment Sample: Sample Depth <sup>(2)</sup> : Sample Date:	SED-1	SED-2	SED-3	SED-4	SED-5	SED-6	SED-7	SED-8	SED-9	SED-10
		S-1/GW-2	S-1/GW-3		0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"
					10/21/19	10/21/19	10/21/19	10/21/19	10/21/19	10/21/19	10/21/19	10/21/19	10/21/19	10/21/19
Metals														
Arsenic	33	20	20		3.71	4.43	7.50	3.70	4.54	5.60	6.98	5.78	8.10	5.23

NOTES:

Results in milligrams per kilogram (mg/kg)

<sup>(1)</sup> Probable Effects Concentrations (PECs), as referenced in MassDEP's Revised Sediment Screening Values, technical update document of January 2006.

<sup>(2)</sup> Sample depth considered approximate.





**Massachusetts Department of Environmental Protection**  
*Bureau of Waste Site Cleanup*

**BWSC123**

This Notice is Related to:  
Release Tracking Number

**NOTICE OF ENVIRONMENTAL SAMPLING**

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

**3** - **35355**

**A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):**

1. Street Address: 50 Proctor Street  
City/Town: Salem Zip Code: 01970

**B. This notice is being provided to the following party:**

1. Name: Arnold Westfield & Loan Thu Thi Nguyen Westfield  
2. Street Address: 19 Pope Street  
City/Town: Salem Zip Code: 01970

**C. This notice is being given to inform its recipient (the party listed in Section B):**

- ☒ 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- ☐ 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- ☐ 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

**D. Location of the property where the environmental sampling will be/has been conducted:**

1. Street Address: 19 Pope Street - part of Pope and Proctor Street Condominium  
City/Town: Salem Zip Code: 01970
2. MCP phase of work during which the sampling will be/has been conducted:
- |  |  |
|--|--|
| <input type="checkbox"/> Immediate Response Action                         | <input type="checkbox"/> Phase III Feasibility Evaluation                              |
| <input type="checkbox"/> Release Abatement Measure                         | <input type="checkbox"/> Phase IV Remedy Implementation Plan                           |
| <input type="checkbox"/> Utility-related Abatement Measure                 | <input type="checkbox"/> Phase V/Remedy Operation Status                               |
| <input type="checkbox"/> Phase I Initial Site Investigation                | <input type="checkbox"/> Post-Temporary Solution Operation, Maintenance and Monitoring |
| <input checked="" type="checkbox"/> Phase II Comprehensive Site Assessment | <input type="checkbox"/> Other _____   |
- (specify)
3. Description of property where sampling will be/has been conducted:
- ☒ residential ☐ commercial ☐ industrial ☐ school/playground ☐ Other \_\_\_\_\_
- (specify)
4. Description of the sampling locations and types (e.g., soil, groundwater, indoor air, soil gas) to the extent known at the time of this notice.
- See cover letter

**E. Contact information related to the party providing this notice:**

Contact Name: Tom Devine of Salem Dept of Planning & Community Development  
Street Address: 93 Washington Street  
City/Town: Salem Zip Code: 01970  
Telephone: 978.619.5682 Email: tdevine@salem.com



**Massachusetts Department of Environmental Protection**  
*Bureau of Waste Site Cleanup*

**BWSC123**

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3 - 35355

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the "disposal site".)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation of a release for which a notification to MassDEP has been made under the Massachusetts Contingency Plan (310 CMR 40.0300) on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

**Section C** on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

**Section D** on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/eea/agencies/massdep/cleanup>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://public.dep.state.ma.us/SearchableSites2/Search.aspx> to view site-specific files on-line or <http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html> if you would like to make an appointment to see these files in person. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.

S-175820  
November 20, 2019

Ronald Desantis  
41 Proctor Street  
Salem, MA 01970

Re: **Notice of Environmental Sampling  
Gallows Hill Park Project  
Salem, Massachusetts  
RTN 3-35355**

To Whom it May Concern:

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## Site Background Overview

The Gallows Hill Park property contains approximately 24 acres of land consisting of two parcels, with the "main" park parcel situated at 53 Hanson Street and a smaller park parcel situated to the east at 50 Proctor Street which sometimes referred to as "Mansell Park."

During due diligence investigations that were being completed at the Gallows Hill Park in November 2018 in preparation for future park renovation work, elevated levels of arsenic were detected in shallow soils in a grass covered area on the 50 Proctor Street parcel. Subsequent investigations conducted across the Gallows Hill Park indicated that a condition that could pose an Imminent Hazard to human health was triggered in accordance with Massachusetts Contingency Plan (MCP; 310 CMR 40.0000) due to elevated concentrations of arsenic detected in shallow soils on the 50 Proctor Street parcel. This portion of the park has since been closed to the general public, and the Massachusetts Department of Environmental Protection (MassDEP) assigned Release Tracking Number (RTN) 3-35355 to the site under the MCP regulations.

Historical records indicate that a tannery facility was located on the far eastern portion of the 50 Proctor Street parcel in the late 1800s through early 1900s, and those former tannery operations are the apparent source of the elevated arsenic levels on the 50 Proctor Street parcel. [Note: The City of Salem took ownership of the 50 Proctor Street parcel in 1940.] During earlier tannery operations, historical mapping indicates there was an open stream channel that crossed this portion of the park property, which is in the general location where an underground storm water drain system currently exists. That current culvert system crosses Proctor Street and temporarily "daylights" in a common area on the northern portion of the Pope and Proctor Street Condominium Property before continuing in a culverted system that ultimately discharges to the channelized North River further to the northeast of the site. [Note: Water flow in the drainage swale through the culverted system is constant, and therefore this is considered a culverted stream channel.] An Aerial Plan depicting these features is attached as Figure 1.





Based on this background, there were concerns about potential impacts associated with the drainage swale on the Pope and Proctor Street Condominium Property from the historical tannery operations at the 50 Proctor Street parcel. Therefore, a sediment sampling program was conducted on this off-site property, as reviewed below.

## Summary Review of Drainage Swale Sampling

On October 21, 2019, Tighe & Bond personnel collected sediment samples from the drainage swale for laboratory analysis. Prior to this event, a proposed sampling plan was review by MassDEP personnel, and the City obtained access permission from a representative of the Pope and Proctor Street Condominium association.

During this sampling event, Tighe & Bond collected 10 sediment samples (ID: SED-1 through SED-10) from the drainage swale. The sediment samples were collected approximately every five feet along the length of the approximate 50-foot swale. The approximate locations of the samples are depicted on the Off-Site Sediment Sampling Plan attached as Figure 2. Each sample was collected from approximately 0 to 6-inches below surface grade and submitted for laboratory analysis of arsenic.

Table 1 attached summarizes the arsenic results for the 10 sediment samples. Within the summary table, sediment results are compared to Probable Effects Concentrations (PECs), as referenced in MassDEP's Revised Sediment Screening Values, technical update document of January 2006. [Note: These sediment screening values are used to evaluate potential risk to ecological receptors in the water body.] In the table, sediment results are also compared to MCP Method 1, S-1 standards for soils which are the most conservative (i.e., lowest) standards used to evaluate potential risk to human health under the MCP regulations.

As summarized in Table 1, arsenic detections in the 10 sediment samples ranged between 3.70 milligrams per kilogram (mg/kg) and 8.10 mg/kg. These concentrations are well below the PEC sediment screening value of 33 mg/kg as well as below the Method 1 "soil" standard of 20 mg/kg. [Note: For further comparison, the concentrations of arsenic detected in shallow soils at the 50 Proctor Street park parcel exceed 20 mg/kg across most of the property, with concentrations as high as 12,300 mg/kg detected.]

Based on these findings, there is no evidence that former tannery operations at the 50 Proctor Street park parcel (i.e., subject of RTN 3-35355) has impacted the off-site drainage swale via stormwater runoff and/or from the earlier stream flow across the park parcel.

## Conclusions

The sediment sampling that occurred on the Pope and Proctor Street Condominium Property was completed as part of Phase II Comprehensive Site Assessment for delineating the impacts associated with RTN 3-35355 at the 50 Proctor Street park parcel. Those results indicate that there's no evidence that former tannery operations at the park parcel has impacted the off-site drainage swale on the Pope and Proctor Street Condominium Property. Therefore, further assessment on the Pope and Proctor Street Condominium Property is not scheduled as part of response actions associated with RTN 3-35355.

In accordance with the Public Notification Procedures of the MCP at 310 CMR 40.1403(10), the Bureau of Waste Site Cleanup form BWSC123 is attached to this letter for your records. Further information (including report submittals) associated with the 50 Proctor Street park parcel are available online for public review in MassDEP's Reportable Release File Viewer at [http://public.dep.state.ma.us/wsc\\_viewer/main.aspx](http://public.dep.state.ma.us/wsc_viewer/main.aspx) under RTN 3-35355.

If you have any questions or comments, please feel free to contact me at 413.572.3222 (office) or 617.548.8939 (cell) at your earliest convenience.

Very truly yours,

**TIGHE & BOND, INC.**



Todd D. Kirton, LSP  
Senior Hydrologist

**Attachments:**

Figure 1 – Aerial Plan  
Figure 2 – Off-Site Sediment Sampling Plan  
Table 1 – Summary of Sediment Sample Results  
BWSC123 Form

**Copy:** Tom Devine; Salem Department of Planning and Community Development Office

J:\S\S1758 Salem MA On Call Engineering\Gallows Hill Park\_due diligence\Report\Off-Site Sampling Notification\Owner notification\_41 Proctor Street.docx





#### Legend

- Drain Manholes
- Drainage Swale
- Drain Pipes
- Approximate Site Parcel

**Tighe&Bond**  
Engineers | Environmental Specialists

Based on MassGIS Color Orthophotography (2013-2014).  
Parcels Boundaries (FY 11) are approximate, downloaded from  
MassGIS. Utility data provided by City of Salem Engineering Dept.

1:2,400  
0 100 200  
Feet

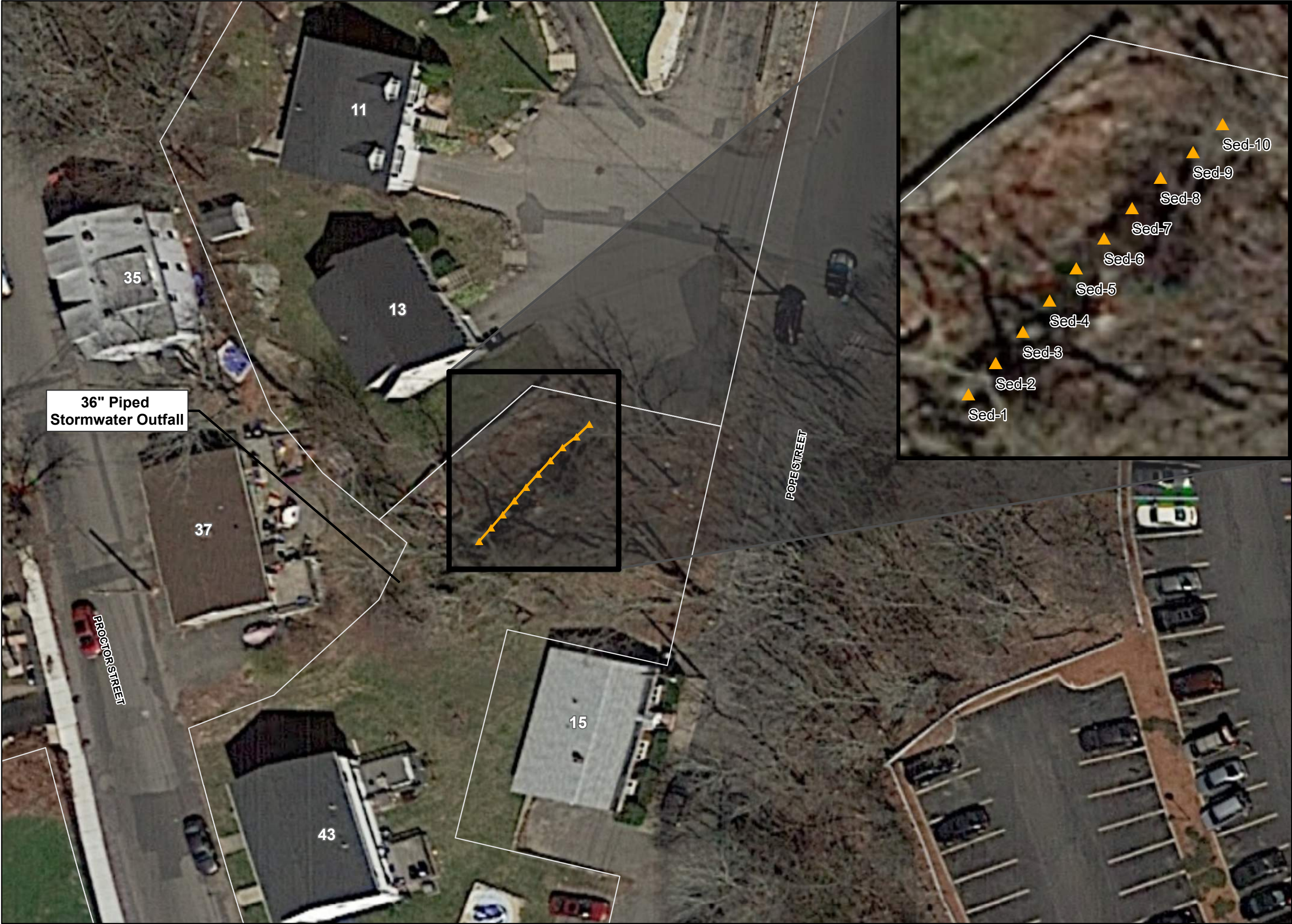


#### FIGURE 1 ORTHOGRAPH

Gallows Hill Park  
50 Proctor Street  
Salem, Massachusetts  
RTN 3-35355

November 2019





**FIGURE 2**  
**Off-Site Drainage Swale Sampling Plan**

**LEGEND**

- Approximate Sediment Sample Location
- Approximate Parcel Boundary

**LOCUS MAP**

Peabody  
Lynn

0 10 20  
Feet  
1:300

**OTHER NOTES**

1. Based on Google(C) Imagery (2018)  
2. Parcels (FY 2011) downloaded from MassGIS and are approximate.  
3. Utility data provided by City of Salem Engineering Dept., and supplemented by camera utility line survey completed by City, 2-6-19  
4. Samples collected by Tighe & Bond, October 2019

**Gallows Hill Park**  
**50 Proctor Street**  
**Salem, Massachusetts**

**November 2019**

**Tighe&Bond**  
Engineers | Environmental Specialists



TABLE 1 - Summary of Off-Site Drainage Swale Sediment Results

Gallows Hill Park  
50 Proctor Street  
Salem, Massachusetts  
RTN 3-35355

Analyses	MassDEP Sediment Screening Criteria <sup>(1)</sup>	MCP - Method 1 Standards		Sediment Sample: Sample Depth <sup>(2)</sup> : Sample Date:	SED-1	SED-2	SED-3	SED-4	SED-5	SED-6	SED-7	SED-8	SED-9	SED-10
		S-1/GW-2	S-1/GW-3		0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"
					10/21/19	10/21/19	10/21/19	10/21/19	10/21/19	10/21/19	10/21/19	10/21/19	10/21/19	10/21/19
Metals														
Arsenic	33	20	20		3.71	4.43	7.50	3.70	4.54	5.60	6.98	5.78	8.10	5.23

NOTES:

Results in milligrams per kilogram (mg/kg)

<sup>(1)</sup> Probable Effects Concentrations (PECs), as referenced in MassDEP's Revised Sediment Screening Values, technical update document of January 2006.

<sup>(2)</sup> Sample depth considered approximate.





**Massachusetts Department of Environmental Protection**  
*Bureau of Waste Site Cleanup*

**BWSC123**

This Notice is Related to:  
Release Tracking Number

**NOTICE OF ENVIRONMENTAL SAMPLING**

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

**3** - **35355**

**A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):**

1. Street Address: 50 Proctor Street  
City/Town: Salem Zip Code: 01970

**B. This notice is being provided to the following party:**

1. Name: Ronald Desantis  
2. Street Address: 41 Proctor Street  
City/Town: Salem Zip Code: 01970

**C. This notice is being given to inform its recipient (the party listed in Section B):**

- ☒ 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- ☐ 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- ☐ 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

**D. Location of the property where the environmental sampling will be/has been conducted:**

1. Street Address: 41 Proctor Street - part of Pope and Proctor Street Condominium  
City/Town: Salem Zip Code: 01970
2. MCP phase of work during which the sampling will be/has been conducted:
- |  |  |
|--|--|
| <input type="checkbox"/> Immediate Response Action                         | <input type="checkbox"/> Phase III Feasibility Evaluation                              |
| <input type="checkbox"/> Release Abatement Measure                         | <input type="checkbox"/> Phase IV Remedy Implementation Plan                           |
| <input type="checkbox"/> Utility-related Abatement Measure                 | <input type="checkbox"/> Phase V/Remedy Operation Status                               |
| <input type="checkbox"/> Phase I Initial Site Investigation                | <input type="checkbox"/> Post-Temporary Solution Operation, Maintenance and Monitoring |
| <input checked="" type="checkbox"/> Phase II Comprehensive Site Assessment | <input type="checkbox"/> Other _____   |
- (specify)
3. Description of property where sampling will be/has been conducted:
- ☒ residential ☐ commercial ☐ industrial ☐ school/playground ☐ Other \_\_\_\_\_
- (specify)
4. Description of the sampling locations and types (e.g., soil, groundwater, indoor air, soil gas) to the extent known at the time of this notice.

See cover letter

**E. Contact information related to the party providing this notice:**

Contact Name: Tom Devine of Salem Dept of Planning & Community Development  
Street Address: 93 Washington Street  
City/Town: Salem Zip Code: 01970  
Telephone: 978.619.5682 Email: tdevine@salem.com



**Massachusetts Department of Environmental Protection**  
*Bureau of Waste Site Cleanup*

**BWSC123**

This Notice is Related to:  
Release Tracking Number

**NOTICE OF ENVIRONMENTAL SAMPLING**

3 - 35355

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

**MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE**

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

**THE PERSON(S) PROVIDING THIS NOTICE**

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the "disposal site".)

**PURPOSE OF THIS NOTICE**

When environmental samples are taken as part of an investigation of a release for which a notification to MassDEP has been made under the Massachusetts Contingency Plan (310 CMR 40.0300) on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

**Section C** on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

**Section D** on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

**FOR MORE INFORMATION**

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/eea/agencies/massdep/cleanup>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://public.dep.state.ma.us/SearchableSites2/Search.aspx> to view site-specific files on-line or <http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html> if you would like to make an appointment to see these files in person. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.

S-175820  
November 20, 2019

Marion Tina  
43 Proctor Street  
Salem, MA 01970

Re: **Notice of Environmental Sampling  
Gallows Hill Park Project  
Salem, Massachusetts  
RTN 3-35355**

To Whom it May Concern:

On behalf of the City of Salem Department of Planning and Community Development Office, Tighe & Bond is providing this "Notice of Environmental Sampling" for the sampling that occurred on the condominium property located at 17 Pope Street, 19 Pope Street, 41 Proctor Street and 43 Proctor Street (collectively referred to herein as the Pope and Proctor Street Condominium Property) as part of site assessment activities being conducted at the Gallows Hill Park.

## Site Background Overview

The Gallows Hill Park property contains approximately 24 acres of land consisting of two parcels, with the "main" park parcel situated at 53 Hanson Street and a smaller park parcel situated to the east at 50 Proctor Street which sometimes referred to as "Mansell Park."

During due diligence investigations that were being completed at the Gallows Hill Park in November 2018 in preparation for future park renovation work, elevated levels of arsenic were detected in shallow soils in a grass covered area on the 50 Proctor Street parcel. Subsequent investigations conducted across the Gallows Hill Park indicated that a condition that could pose an Imminent Hazard to human health was triggered in accordance with Massachusetts Contingency Plan (MCP; 310 CMR 40.0000) due to elevated concentrations of arsenic detected in shallow soils on the 50 Proctor Street parcel. This portion of the park has since been closed to the general public, and the Massachusetts Department of Environmental Protection (MassDEP) assigned Release Tracking Number (RTN) 3-35355 to the site under the MCP regulations.

Historical records indicate that a tannery facility was located on the far eastern portion of the 50 Proctor Street parcel in the late 1800s through early 1900s, and those former tannery operations are the apparent source of the elevated arsenic levels on the 50 Proctor Street parcel. [Note: The City of Salem took ownership of the 50 Proctor Street parcel in 1940.] During earlier tannery operations, historical mapping indicates there was an open stream channel that crossed this portion of the park property, which is in the general location where an underground storm water drain system currently exists. That current culvert system crosses Proctor Street and temporarily "daylights" in a common area on the northern portion of the Pope and Proctor Street Condominium Property before continuing in a culverted system that ultimately discharges to the channelized North River further to the northeast of the site. [Note: Water flow in the drainage swale through the culverted system is constant, and therefore this is considered a culverted stream channel.] An Aerial Plan depicting these features is attached as Figure 1.





Based on this background, there were concerns about potential impacts associated with the drainage swale on the Pope and Proctor Street Condominium Property from the historical tannery operations at the 50 Proctor Street parcel. Therefore, a sediment sampling program was conducted on this off-site property, as reviewed below.

## Summary Review of Drainage Swale Sampling

On October 21, 2019, Tighe & Bond personnel collected sediment samples from the drainage swale for laboratory analysis. Prior to this event, a proposed sampling plan was review by MassDEP personnel, and the City obtained access permission from a representative of the Pope and Proctor Street Condominium association.

During this sampling event, Tighe & Bond collected 10 sediment samples (ID: SED-1 through SED-10) from the drainage swale. The sediment samples were collected approximately every five feet along the length of the approximate 50-foot swale. The approximate locations of the samples are depicted on the Off-Site Sediment Sampling Plan attached as Figure 2. Each sample was collected from approximately 0 to 6-inches below surface grade and submitted for laboratory analysis of arsenic.

Table 1 attached summarizes the arsenic results for the 10 sediment samples. Within the summary table, sediment results are compared to Probable Effects Concentrations (PECs), as referenced in MassDEP's Revised Sediment Screening Values, technical update document of January 2006. [Note: These sediment screening values are used to evaluate potential risk to ecological receptors in the water body.] In the table, sediment results are also compared to MCP Method 1, S-1 standards for soils which are the most conservative (i.e., lowest) standards used to evaluate potential risk to human health under the MCP regulations.

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Based on these findings, there is no evidence that former tannery operations at the 50 Proctor Street park parcel (i.e., subject of RTN 3-35355) has impacted the off-site drainage swale via stormwater runoff and/or from the earlier stream flow across the park parcel.

## Conclusions

The sediment sampling that occurred on the Pope and Proctor Street Condominium Property was completed as part of Phase II Comprehensive Site Assessment for delineating the impacts associated with RTN 3-35355 at the 50 Proctor Street park parcel. Those results indicate that there's no evidence that former tannery operations at the park parcel has impacted the off-site drainage swale on the Pope and Proctor Street Condominium Property. Therefore, further assessment on the Pope and Proctor Street Condominium Property is not scheduled as part of response actions associated with RTN 3-35355.

In accordance with the Public Notification Procedures of the MCP at 310 CMR 40.1403(10), the Bureau of Waste Site Cleanup form BWSC123 is attached to this letter for your records. Further information (including report submittals) associated with the 50 Proctor Street park parcel are available online for public review in MassDEP's Reportable Release File Viewer at [http://public.dep.state.ma.us/wsc\\_viewer/main.aspx](http://public.dep.state.ma.us/wsc_viewer/main.aspx) under RTN 3-35355.

If you have any questions or comments, please feel free to contact me at 413.572.3222 (office) or 617.548.8939 (cell) at your earliest convenience.

Very truly yours,

**TIGHE & BOND, INC.**



Todd D. Kirton, LSP  
Senior Hydrologist

**Attachments:**

Figure 1 – Aerial Plan  
Figure 2 – Off-Site Sediment Sampling Plan  
Table 1 – Summary of Sediment Sample Results  
BWSC123 Form

**Copy:** Tom Devine; Salem Department of Planning and Community Development Office

J:\S\S1758 Salem MA On Call Engineering\Gallows Hill Park\_due diligence\Report\Off-Site Sampling Notification\Owner notification\_43 Proctor Street.docx





#### Legend

- Drain Manholes
- Drainage Swale
- Drain Pipes
- Approximate Site Parcel

**Tighe&Bond**  
Engineers | Environmental Specialists

Based on MassGIS Color Orthophotography (2013-2014).  
Parcels Boundaries (FY 11) are approximate, downloaded from  
MassGIS. Utility data provided by City of Salem Engineering Dept.

1:2,400  
0 100 200  
Feet

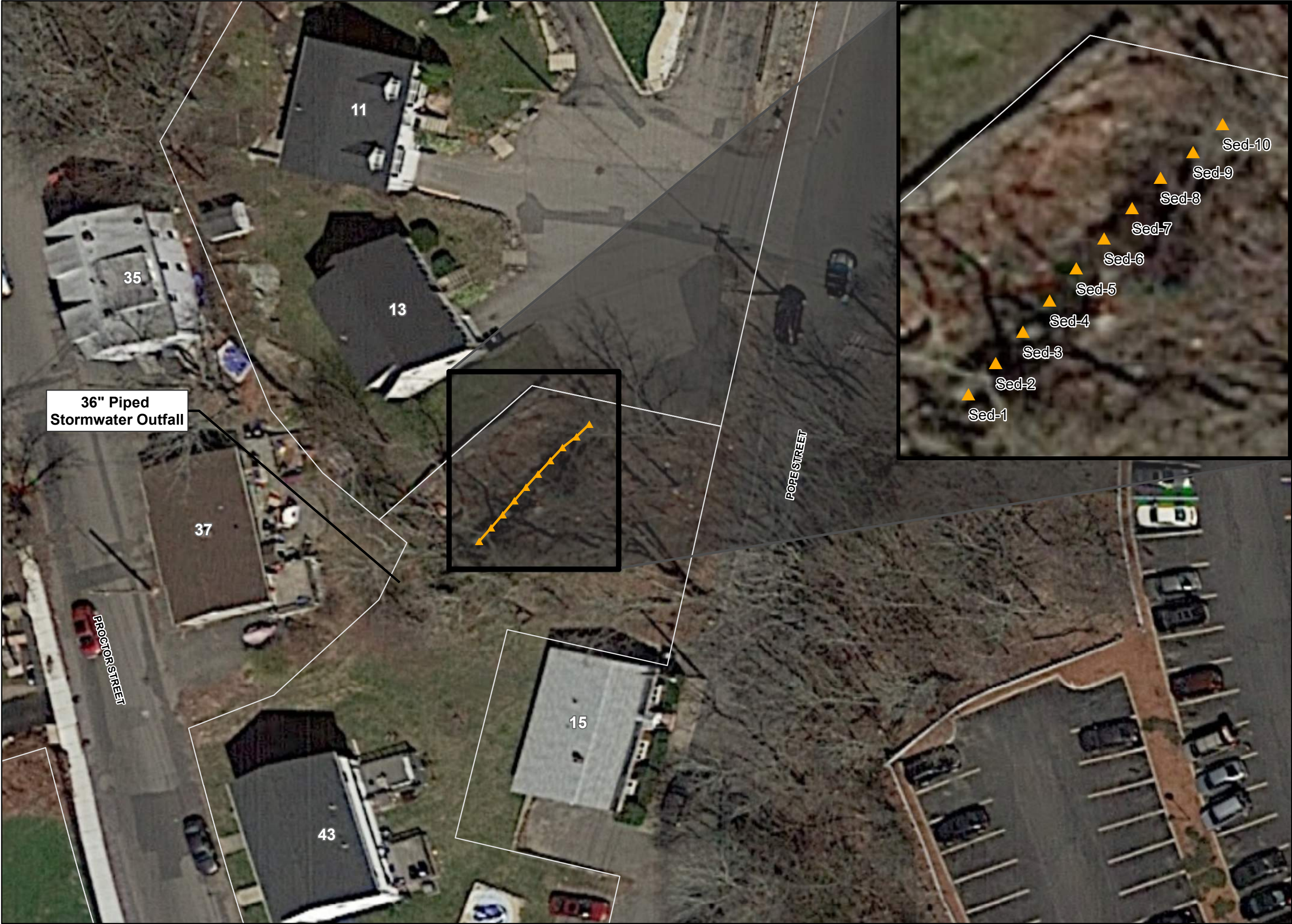


#### FIGURE 1 ORTHOPHOTOGRAPH

Gallows Hill Park  
50 Proctor Street  
Salem, Massachusetts  
RTN 3-35355

November 2019



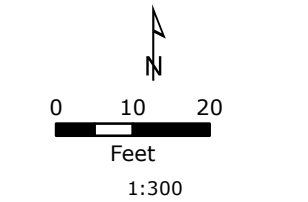
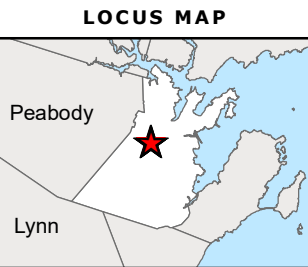


**FIGURE 2**  
**Off-Site Drainage**  
**Swale Sampling Plan**

**LEGEND**

▲ Approximate Sediment Sample Location

□ Approximate Parcel Boundary



- OTHER NOTES**
1. Based on Google(C) Imagery (2018)
  2. Parcels (FY 2011) downloaded from MassGIS and are approximate.
  3. Utility data provided by City of Salem Engineering Dept., and supplemented by camera utility line survey completed by City, 2-6-19
  4. Samples collected by Tighe & Bond, October 2019

**Gallows Hill Park**  
**50 Proctor Street**  
**Salem, Massachusetts**

**November 2019**



TABLE 1 - Summary of Off-Site Drainage Swale Sediment Results

Gallows Hill Park  
50 Proctor Street  
Salem, Massachusetts  
RTN 3-35355

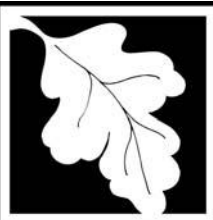
	MassDEP Sediment Screening Criteria <sup>(1)</sup>	MCP - Method 1 Standards		Sediment Sample:	SED-1	SED-2	SED-3	SED-4	SED-5	SED-6	SED-7	SED-8	SED-9	SED-10
Analyses		S-1/GW-2	S-1/GW-3	Sample Depth <sup>(2)</sup> : Sample Date:	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"
Metals					10/21/19	10/21/19	10/21/19	10/21/19	10/21/19	10/21/19	10/21/19	10/21/19	10/21/19	10/21/19
Arsenic	33	20	20		3.71	4.43	7.50	3.70	4.54	5.60	6.98	5.78	8.10	5.23

NOTES:

Results in milligrams per kilogram (mg/kg)

<sup>(1)</sup> Probable Effects Concentrations (PECs), as referenced in MassDEP's Revised Sediment Screening Values, technical update document of January 2006.

<sup>(2)</sup> Sample depth considered approximate.



**Massachusetts Department of Environmental Protection**  
*Bureau of Waste Site Cleanup*

**BWSC123**

This Notice is Related to:  
Release Tracking Number

**NOTICE OF ENVIRONMENTAL SAMPLING**

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

**3** - **35355**

**A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):**

1. Street Address: 50 Proctor Street  
City/Town: Salem Zip Code: 01970

**B. This notice is being provided to the following party:**

1. Name: Marion Tina  
2. Street Address: 43 Proctor Street  
City/Town: Salem Zip Code: 01970

**C. This notice is being given to inform its recipient (the party listed in Section B):**

- ☒ 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.  
☐ 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.  
☐ 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

**D. Location of the property where the environmental sampling will be/has been conducted:**

1. Street Address: 43 Proctor Street - part of Pope and Proctor Street Condominium  
City/Town: Salem Zip Code: 01970
2. MCP phase of work during which the sampling will be/has been conducted:
- |  |  |
|--|--|
| <input type="checkbox"/> Immediate Response Action                         | <input type="checkbox"/> Phase III Feasibility Evaluation                              |
| <input type="checkbox"/> Release Abatement Measure                         | <input type="checkbox"/> Phase IV Remedy Implementation Plan                           |
| <input type="checkbox"/> Utility-related Abatement Measure                 | <input type="checkbox"/> Phase V/Remedy Operation Status                               |
| <input type="checkbox"/> Phase I Initial Site Investigation                | <input type="checkbox"/> Post-Temporary Solution Operation, Maintenance and Monitoring |
| <input checked="" type="checkbox"/> Phase II Comprehensive Site Assessment | <input type="checkbox"/> Other _____<br>(specify)                                      |
3. Description of property where sampling will be/has been conducted:  
☒ residential ☐ commercial ☐ industrial ☐ school/playground ☐ Other \_\_\_\_\_  
(specify)
4. Description of the sampling locations and types (e.g., soil, groundwater, indoor air, soil gas) to the extent known at the time of this notice.  
See cover letter

**E. Contact information related to the party providing this notice:**

Contact Name: Tom Devine of Salem Dept of Planning & Community Development  
Street Address: 93 Washington Street  
City/Town: Salem Zip Code: 01970  
Telephone: 978.619.5682 Email: tdevine@salem.com



**Massachusetts Department of Environmental Protection**  
*Bureau of Waste Site Cleanup*

**BWSC123**

This Notice is Related to:  
Release Tracking Number

**NOTICE OF ENVIRONMENTAL SAMPLING**

3 - 35355

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

**MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE**

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

**THE PERSON(S) PROVIDING THIS NOTICE**

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the "disposal site".)

**PURPOSE OF THIS NOTICE**

When environmental samples are taken as part of an investigation of a release for which a notification to MassDEP has been made under the Massachusetts Contingency Plan (310 CMR 40.0300) on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

**Section C** on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

**Section D** on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

**FOR MORE INFORMATION**

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/eea/agencies/massdep/cleanup>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://public.dep.state.ma.us/SearchableSites2/Search.aspx> to view site-specific files on-line or <http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html> if you would like to make an appointment to see these files in person. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.