



August 30, 2017

City of Detroit Department of Public Works  
City Engineering & Street Maintenance Divisions  
Coleman A. Young Municipal Center  
2 Woodward Avenue, Suite 611  
Detroit, Michigan 48226

Re: Notice of Migration of Contamination  
From 6640, 6628, 6602, 6524 W. Jefferson Ave., 738 (S.) Reid St., 697 S. Rademacher St., Detroit, MI  
Tax IDs 18000120-9, 18000134-40, 18007578-90 (MDOT Parcel 5049)  
Potentially toward West Jefferson Avenue, South Rademacher Street, South Reid Street, and/or alleys  
Notification No. 5049-ROW

Dear City Engineering & Street Maintenance Divisions:

The Mannik Smith Group, Inc. ("MSG"), on behalf of the Michigan Department of Transportation ("MDOT"), has directed or conducted underground environmental testing at 6640, 6628, 6602, and 6524 West Jefferson Avenue, 738 (South) Reid Street, and 697 South Rademacher Street, Detroit, Michigan ("the Site") in relation to the Gordie Howe International Bridge project underway in the vicinity of the right-of-ways referenced above ("the subject property").

The Michigan Department of Environmental Quality ("MDEQ") requires distribution of the enclosed a Notice of Migration of Contamination form when there is evidence that environmental contamination at one property has or may have affected nearby properties. Hazardous substance(s) were identified in soil and/or groundwater sample(s) collected at the Site at concentration(s) that exceed Generic Residential Cleanup Criteria and Screening Levels established by the MDEQ.

At this time, it is not known if the subject property has been affected by the environmental contamination at the Site. Also, the identification of hazardous substance(s) at the Site does not necessarily mean a hazardous situation or immediate danger currently exists. MSG, on behalf of the MDOT, is providing this notice to you as a precautionary measure and for your general awareness of environmental conditions at the Site.

Please review the enclosed document and if you have any questions regarding the Notice of Migration of Contamination please contact Karen Williams of the MDEQ at 586-753-3884. If you have general questions regarding the contents of this letter please contact Walter Bolt of MSG at 734-397-3100, extension 115 or Jim Woodruff of the MDOT at 517-241-9115.

Sincerely,

Walter J. Bolt, CPG  
Project Manager  
Environmental Owners Representative Consultant  
Gordie Howe International Bridge Project

CC: Jim Woodruff – MDOT  
Karen Williams – MDEQ RRD Project Manager  
Paul Max – General Manager, Environmental Affairs, City of Detroit BSEED  
Anita Harrington – Environmental Specialist II, City of Detroit BSEED

RECEIVED SEP - 7 2017

TECHNICAL SKILL.  
CREATIVE SPIRIT.

5049\_Notice Cover Letter\_DetroitDPW.docx



Reference Point for Latitude and Longitude:

Center of Site:  Main/front door:  Front gate/main entrance:  Other:

Collection Method: Survey:  Interpolation:  GPS:

2. Provide any additional ID numbers associated with the property (e.g., EPA ID No., BEA No., Part 213 facility ID No., etc.):  
GHIB MDOT Parcel 5049; MERA Site ID# 82002800; CNTS-RRD-16-001

3. Name, address, and telephone number of the property owner, operator, or other party submitting the notice:  
Name: MDOT Bureau of Development, Environmental Services Section  
Address: 425 W. Ottawa Street, P.O. Box 30050  
City/State: Lansing, MI, 48909  
Telephone Number: 517-241-9115

4. Name, address and telephone number of a contact person familiar with the content of the notice:  
Name: Walter Bolt of The Mannik & Smith Group, Inc. Environmental Owner's Rep Consultant to MDOT  
Address: 2365 Haggerty Road South  
City/State: Canton, MI 48188  
Telephone Number: 734-397-3100 x. 115

5. If this Notice is provided pursuant to R 299.51017, provide the address and other location information for the adjacent property(s) onto which contamination is migrating, has migrated, or is likely to migrate.

If this Notice is provided pursuant to MCL Section 324.20114(1), provide the address and other location information for each property onto which contamination has migrated. Notice should be sent to the property owner of record. If the impacted property is owned by the State of Michigan, notice should be sent to the department managing the property (e.g., a prison, state park, etc.). Notices to the Michigan Department of Transportation (MDOT) for state owned roadways should be sent to Contaminated Site Specialist, Environmental Services Section, MDOT-Bureau of Development, 425 W. Ottawa Street, P.O. Box 30050, Lansing, MI 48909. If the impacted property is owned by the State of Michigan, notice should be sent to the department managing the property (i.e. a prison, state park, etc.).

Address: 6666 W. Jefferson Ave., 711 S. Waterman St., Notified? No  Yes  Date: August 30, 2017  
708 S. Rademacher St.  
City/State: Detroit, MI  
Property Tax ID number: 18000119, 18008057,  
18007856  
Other: Michigan Land Bank Fast Track Authority

Address: 645 & 649 S. Rademacher St., Notified? No  Yes  Date: August 30, 2017  
700 (S.) Reid St.  
City/State: Detroit, MI  
Property Tax ID number: 18007591-2, 18007577  
Other: MDOT Parcels 5179 & 5186

Address: 6548 W. Jefferson Ave. Notified? No  Yes  Date: August 30, 2017  
City/State: Detroit, MI  
Property Tax ID number: 18000130-3  
Other: Elizabeth Hegyan

Address: 2 Woodward Avenue, Ste. 611 Notified? No  Yes  Date: August 30, 2017  
City/State: Detroit, MI, 48226  
Property Tax ID number: NA  
Other: City of Detroit Department of Public Works,  
City Engineering & Street Maintenance Divisions



Address: 735 Randolph  
City/State: Detroit, MI, 48226  
Property Tax ID number: NA  
Other: Detroit Water & Sewerage Department (utility holder)

Notified? No  Yes  Date: August 30, 2017

Address: One Energy Plaza, Ste. 1935  
City/State: Detroit, MI, 48226  
Property Tax ID number: NA  
Other: Detroit Edison, DTE (utility holder)

Notified? No  Yes  Date: August 30, 2017

Address: 27175 Energy Way  
City/State: Novi, MI, 48377  
Property Tax ID number: NA  
Other: International Transmission Company (ITC) (utility holder)

Notified? No  Yes  Date: August 30, 2017

Address: 735 Randolph Street, Ste. 1900  
City/State: Detroit, MI, 48226  
Property Tax ID number: NA  
Other: Great Lakes Water Authority (utility holder)

Notified? No  Yes  Date: August 30, 2017

Address: 12775 Lydon Street  
City/State: Detroit, MI, 48227  
Property Tax ID number: NA  
Other: Comcast/Xfinity (utility holder)

Notified? No  Yes  Date: August 30, 2017

Address: 208 S. Akard Street  
City/State: Dallas, TX, 75202  
Property Tax ID number: NA  
Other: AT&T Headquarters (utility holder)

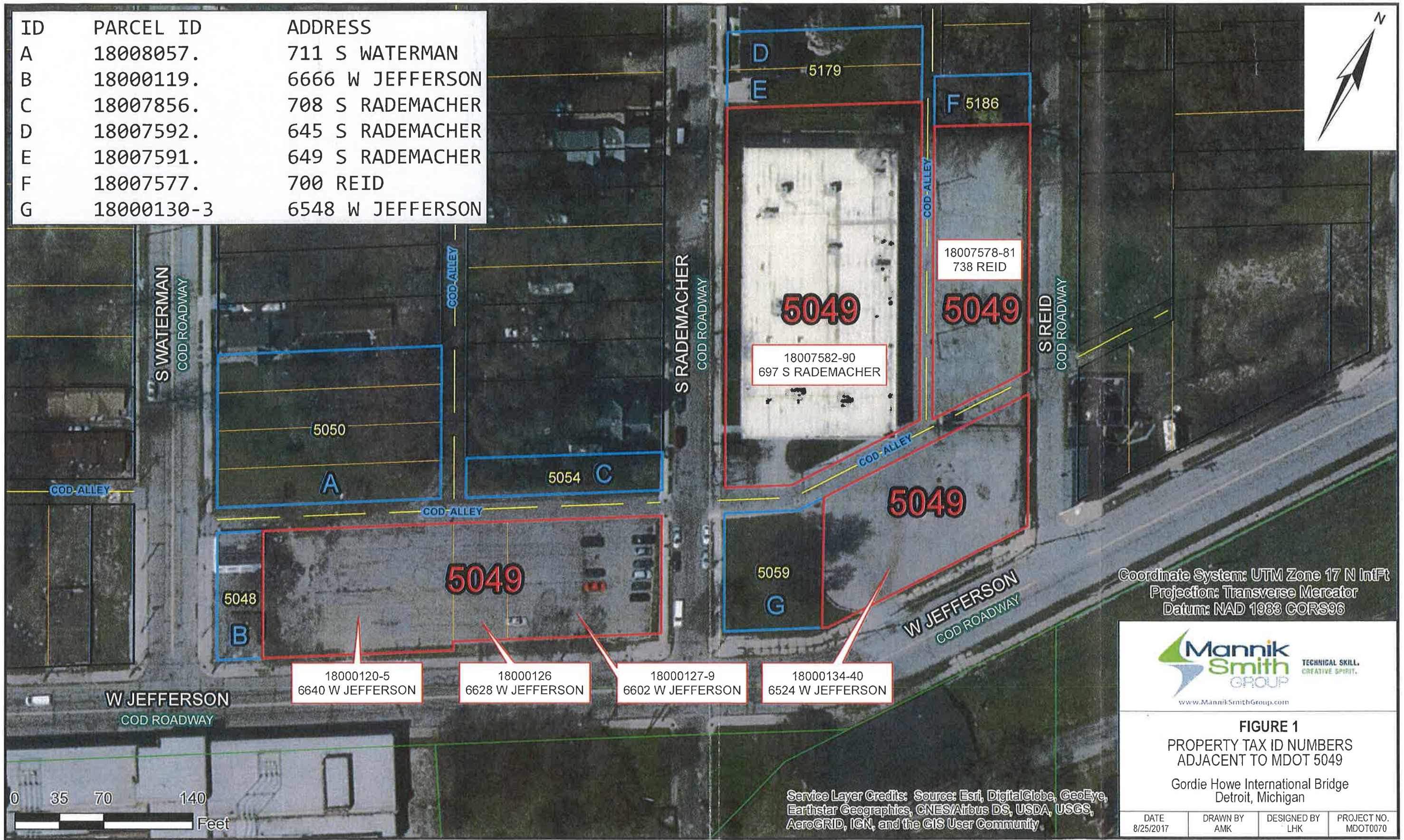
Notified? No  Yes  Date: August 30, 2017

(Attach additional pages as needed) PLEASE SEE ATTACHED MAP OF PROPERTY TAX ID NUMBERS.



# MAP OF PROPERTY TAX ID NUMBERS

ID	PARCEL ID	ADDRESS
A	18008057.	711 S WATERMAN
B	18000119.	6666 W JEFFERSON
C	18007856.	708 S RADEMACHER
D	18007592.	645 S RADEMACHER
E	18007591.	649 S RADEMACHER
F	18007577.	700 REID
G	18000130-3	6548 W JEFFERSON



Coordinate System: UTM Zone 17 N IntFt  
 Projection: Transverse Mercator  
 Datum: NAD 1983 CORS96



**FIGURE 1**  
 PROPERTY TAX ID NUMBERS  
 ADJACENT TO MDOT 5049  
 Gordie Howe International Bridge  
 Detroit, Michigan

DATE 8/25/2017	DRAWN BY AMK	DESIGNED BY LHK	PROJECT NO. MDOT0070
-------------------	-----------------	--------------------	-------------------------

Date Saved: 8/25/2017 11:46:55 AM  
 Path: S:\Projects\Project K-O\MDOT0070\ENGAPPS\GIS\Map\_Files\Notification Maps\5049\_TaxID\_Landscape.mxd



- 5049
- ADJACENT MDOT PARCELS
- MDOT PARCELS
- OFFSITE
- PARCEL BOUNDARIES





6. Complete the Table on Page 6 of this Form for each hazardous substance which has migrated, or is likely to have migrated, beyond the property boundary at a concentration that exceeds a Generic Residential Cleanup Criterion developed by the DEQ pursuant to MCL 324.20120a(1). Complete and attach additional copies of Page 6, if necessary, to list all hazardous substances that must be reported. Include a scaled map or drawing that shows the location of sampling points identified on the Table on Page 6, the property boundaries, and the adjacent property owners if providing notice pursuant to R 299.1017(1) or all impacted property owners if providing notice pursuant to MCL 324.20114(1).
7. Provide a summary of the information which shows that contamination is emanating from, or has emanated from, and is present beyond the boundary of the source property at a concentration which exceeds the generic residential criteria developed by the DEQ pursuant to MCL 324.20120a(1)(a). This summary shall identify the environmental media affected, specific hazardous substances, and the concentrations of those hazardous substances in all affected environmental media at the property boundary and in any sample locations beyond the property boundary. The summary shall also describe the basis for the conclusion that the contamination is emanating, has emanated, or is present beyond the boundary of the source property, including whether the conclusion is based on groundwater analytical data or fate and transport modeling, both, or neither.
8. If the person making this notice has reason to believe that a migrating hazardous substance has affected, or is likely to affect, a private or public water supply, then that water supply must be identified here:

NA

- |   | YES                                 | NO                                  |
|---|-------------------------------------|-------------------------------------|
| 9. Is this notice being submitted within the timeframes established under R 299.51017 and/or MCL 324.20114(1), as applicable? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 10. Is this notice in addition to a notice that was submitted prior to <i>December 21, 2002</i> ? (R 299.51017(4)(c))         | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 11. Is this notice related to an oil and gas well permit (R 299.51017(2))?<br>Permit #:                                       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 12. Is this notice related to an easement (R 299.51017(3))?<br>(NOTE: All easement grantors <i>must</i> receive this notice.) | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 13. Has surface water been affected (R 299.51017(1))?<br>(If yes, please identify the affected surface water body.)           | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

**CERTIFICATION:**

*With my signature below, I certify that I am the owner of the facility or that I am legally authorized to execute this notice on behalf of the owner or operator named on this form, and that to the best of my knowledge and belief the above representations are complete and accurate. I understand that intentionally submitting false information to the DEQ is a felony and may result in fines up to \$25,000 for each violation.*

Signature Walter J. Bolt  
(Owner or person legally authorized to bind the person making this report)

Date 8/28/2017

Name (Typed or Printed) Walter J. Bolt

Title (Typed or Printed) Project Manager, Environmental Owners Representative Consultant, Gordie Howe International Bridge Project



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY  
 REMEDIATION AND REDEVELOPMENT DIVISION

See Item 6 on Page 5 of this Form for instructions to be used in completing this table. Attach additional pages if necessary. The information to be included in each column of the table is:

- Column A Name of hazardous substance.
- Column B Chemical Abstract Service (CAS) Number for the hazardous substance.
- Column C Maximum hazardous substance concentration measured on the property, expressed in parts per billion (e.g., ug/L or ug/Kg). Report maximum concentration separately for each environmental medium.
- Column D Sample location for Column C (relate to label on map).
- Column E Environmental medium in which concentration reported in Column C was measured (e.g., soil or groundwater).
- Column F Distance from point of maximum measured concentration (Column D) to property boundary, in direction of contaminant migration, if direction is known or can reasonably be inferred. If direction is unknown, list distance to nearest property boundary.
- Column G Direction of contaminant migration, if known.
- Column H Concentration closest to property boundary, if known. If a concentration lower than the maximum concentration reported in Column C has been measured at a point closer to the property boundary in the direction of contaminant migration, use Column H to list the concentration that was measured closest to the property boundary in the direction of contaminant migration.
- Column I Sample location for Column H (relate to label on map).
- Column J Environmental medium for measurement reported in Column H, if applicable.

PLEASE SEE ATTACHED TABLE 1

A Hazardous Substance	B CAS Number	C Maximum Concentration	D Sample Location for "C"	E Environmental Medium for "C"	F Distance to Property Boundary	G Direction of Migration	H Boundary Concentration	I Sample Location for "H"	J Environmental Medium for "H"

Total Number Samples Collected: \_\_\_\_\_ Total Number of Samples Exceeding Criteria: \_\_\_\_\_

A scaled map or drawing showing these locations and the property boundaries must be submitted with this Notice  
 PLEASE SEE ATTACHED FIGURE 2

TABLE 1

DEQ NOTICE OF MIGRATION ATTACHMENT

A	B	C	D	E	F	G	H	I	J
Hazardous Substance	CAS Number	Maximum Concentration	Sample Location for "C"	Environmental Medium for "C"	Distance to Property Boundary	Direction of Migration	Boundary Concentration	Sample Location for "H"	Environmental Medium for "H"
Tetrachloroethylene	127-18-4	110	5049_SB-09_3-4_S_SME_20170613	Soil	25 feet	Unknown	-	-	-
Arsenic	7440-38-2	31,000	5049_SB-10_3-4_S_SME_20170613	Soil	20 feet	Unknown	-	-	-
Barium	7440-39-3	2,300,000	5049_SB-04_1-2_S_SME_20170613	Soil	10 feet	Unknown	-	-	-
Cadmium	7440-43-9	73,000	5049_SB-04_1-2_S_SME_20170613	Soil	10 feet	Unknown	-	-	-
Copper	7440-50-8	1,900,000	5049_SB-04_1-2_S_SME_20170613	Soil	10 feet	Unknown	-	-	-
Lead - Total (calculated)	7439-92-1	3,100,000	5049_SB-11_0.5-1.5_S_SME_20170613	Soil	20 feet	Unknown	-	-	-
Lead - Fine Fraction	7439-92-1	3,000,000	5049_SB-11_0.5-1.5_S_SME_20170613	Soil	20 feet	Unknown	-	-	-
Lead - Coarse Fraction	7439-92-1	3,200,000	5049_SB-11_0.5-1.5_S_SME_20170613	Soil	20 feet	Unknown	-	-	-
Selenium	7782-49-2	4,900	5049_SB-04_1-2_S_SME_20170613	Soil	10 feet	Unknown	-	-	-
Silver	7440-22-4	47,000	5049_SB-04_1-2_S_SME_20170613	Soil	10 feet	Unknown	-	-	-
Zinc	7440-66-6	4,800,000	5049_SB-04_1-2_S_SME_20170613	Soil	10 feet	Unknown	-	-	-

Total Number of Samples Collected: 37 soil, 2 groundwater

Total Number of Samples Exceeding Criteria: 37 soil, 0 groundwater

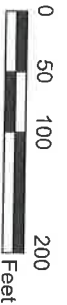


**MDOT Parcel 5049  
SME Project No. 073213.04  
Soil Residential and Nonresidential  
Contamination Estimation Diagram  
Figure No. 2**

Baseline provided by MSG.

**Legend**

- Approximate Soil Boring Location
- Approximate Location of Historical Structures/Features
- Concentration Exceeds Residential and Nonresidential Criteria



Analyte	SB-48	SB-49	SB-49	SB-49
Asbestos	1.000	1.000	1.000	1.000
Lead	300.000	300.000	300.000	300.000
Copper	3.4	3.4	3.4	3.4
Selenium	0.071317	0.071317	0.071317	0.071317
Zinc	1.000	1.000	1.000	1.000

Analyte	SB-48	SB-49	SB-49	SB-49
Asbestos	1.000	1.000	1.000	1.000
Lead	1,400.000	1,400.000	1,400.000	1,400.000
Copper	1.000	1.000	1.000	1.000
Selenium	1.000	1.000	1.000	1.000
Zinc	1,000.000	1,000.000	1,000.000	1,000.000

Analyte	SB-48	SB-49	SB-49	SB-49
Asbestos	25.000	25.000	25.000	25.000
Lead	2,300.000	2,300.000	2,300.000	2,300.000
Copper	73.000	73.000	73.000	73.000
Selenium	1,500.000	1,500.000	1,500.000	1,500.000
Zinc	4,500	4,500	4,500	4,500

Analyte	SB-48	SB-49	SB-49	SB-49
Asbestos	1.000	1.000	1.000	1.000
Lead	1,500.000	1,500.000	1,500.000	1,500.000
Copper	1,200.000	1,200.000	1,200.000	1,200.000
Selenium	1,700.000	1,700.000	1,700.000	1,700.000
Zinc	4,000	4,000	4,000	4,000

Analyte	SB-48	SB-49	SB-49	SB-49
Asbestos	0.5	0.5	0.5	0.5
Lead	690.000	690.000	690.000	690.000
Copper	31.000	31.000	31.000	31.000
Selenium	0.071317	0.071317	0.071317	0.071317
Zinc	50.000	50.000	50.000	50.000

Analyte	SB-48	SB-49	SB-49	SB-49
Asbestos	0.5	0.5	0.5	0.5
Lead	690.000	690.000	690.000	690.000
Copper	31.000	31.000	31.000	31.000
Selenium	0.071317	0.071317	0.071317	0.071317
Zinc	50.000	50.000	50.000	50.000

Analyte	SB-48	SB-49	SB-49	SB-49
Asbestos	0.5	0.5	0.5	0.5
Lead	690.000	690.000	690.000	690.000
Copper	31.000	31.000	31.000	31.000
Selenium	0.071317	0.071317	0.071317	0.071317
Zinc	50.000	50.000	50.000	50.000

Analyte	SB-48	SB-49	SB-49	SB-49
Asbestos	0.5	0.5	0.5	0.5
Lead	690.000	690.000	690.000	690.000
Copper	31.000	31.000	31.000	31.000
Selenium	0.071317	0.071317	0.071317	0.071317
Zinc	50.000	50.000	50.000	50.000

Shaded area indicates estimated horizontal extent of impact. Refer to report for areal/quantity estimate assumptions and qualifications.

Notes:  
Historical feature locations are approximate and based on review of available Sanborn® maps provided by MSG.

Refer to the geophysical report appended to the PSI report for information about and figures depicting inferred buried utilities and other features, as applicable.  
Groundwater Surface Water Interiors Protection and Drinking Water Protection Criteria do not represent exposure concerns, but are relevant for Due Care for preconstruction and construction activities.  
Concentrations are µg/kg (ppb)