

November 3, 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 276 S. Waterman Street, Detroit, MI, Tax ID 180002360 (MDOT Parcel 5322)

Potentially toward S. Waterman Street right-of-way to the east, South Street right-of-way to the south,

And/or S. Schroeder Street and alley right-of-ways to the south

Notification No. 5322-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 276 S. Waterman 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 properties").

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 properties have 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 6025 or Jim Woodruff of the MDOT at 517-241-9115.

Sincerely

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

TECHNICAL SKILL. CREATIVE SPIRIT.

5322.Notice Cover Letter.DetroitDPW.docx

2365 Haggerty Road South, Canton, Michigan 48188 Tel: 734.397.3100 Fax: 734.397.3131 www.MannikSmithGroup.com

For DEQ Use Only ITS# Site ID# MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY Category Code: REMEDIATION AND REDEVELOPMENT DIVISION NOTICE OF MIGRATION OF CONTAMINATION (FORM EQP4482 REV. 4/16) (Under the authority of Part 201, Natural Resources and Environmental Protection Act, 1994 Act 451, as amended, (NREPA) and the Rules promulgated thereunder) An owner or operator of property that is a facility, and/or who is subject to MCL324.20107a, and who has reason to believe that a hazardous substance is emanating from, has emanated from, or is likely to be emanating from the property and migrating beyond the boundaries of the property that he or she owns or operates is required under R 299.51017(1) and MCL 324.20114(1)(b)(ii) & (iii) to notify the Michigan Department of Environmental Quality (DEQ) and affected property owners. Submission of this notice does not fulfill the notification requirements of MCL 324.21309a. The notice must be provided within 45 days (MCL 324.20107a) or within 30 days (MCL 324.20114) after the owner or operator has reason to believe that hazardous substances have migrated, or are likely to have migrated, to or beyond the boundary of his or her property (see R 299.51017 for exceptions that apply to parties subject to MCL 324.20107a). Use of this form is mandatory for the notice required by R 299.51017(1) and may also be used by parties subject to MCL 324.20114(1)(b)(ii) & (iii). This form may also be used to provide notice to affected property owners as required by those rules. If a person holds a permit for an oil and gas well under Part 615, Supervisor of Wells, of the NREPA and there is a release from the oil and gas exploration or production activities, that person shall give notice to the DEQ and to the owner of the surface rights of the property. If a person holds an easement and there is a release from the easement holder's activities, that person shall provide notice to the DEQ and to the grantor of the easement, or the grantor's successor in interest, if any. Completing this notice in no way relieves a person who is subject to MCL 324.20114 from the responsibility to undertake required response activities. This notice must be sent to the DEQ office that serves the county in which the property is located. A list of DEQ offices is available at www.michigan.gov/deqduecare, or by calling the Remediation and Redevelopment Division's Lansing office at 517-284-5187. The DEQ will not prepare acknowledgement of receipt of these notices. The sender is responsible for sending the report using a method that provides proof of delivery if such proof is desired. Please label the outside of the envelope "Migration Notice." Additional guidelines for the compliance with the requirements of R 299.51017(1) or MCL 324.20114(1)(b)(ii) & (iii) are available at www.michigan.gov/deqduecare. THIS NOTICE IS PROVIDED PURSUANT TO: R 299.51017 MCL 324.20114(1) (check both, if applicable) Please provide the following information as completely as possible. 1. Name and location of the property that hazardous 2. Status relative to the property: substances are emanating from: (Check one or both, as applicable.) Name: MI Dept. of Transportation (MDOT) Parcel 5322 Owner Address: 276 S. Waterman Street Operator Location: Michigan City/County: Detroit/Wayne Property Tax Identification Number, or if applicable, the ward and item number: 180002360 Latitude (decimal degrees): 42.300466 °N Longitude (decimal degrees): -83,107494 °W Reference Point for Latitude and Longitude: Center of Site: Main/front door: Front gate/main entrance: Other: Survey: Interpolation: GPS: **Collection Method:** EQP 4482, Page 1 of 11 (REV 4/2016)



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY REMEDIATION AND REDEVELOPMENT DIVISION

2. Provide any additional ID numbers associated with the property (e.g., EPA ID No., BEA No., Part 213 facility ID No.,

GHIB MDOT Parcel 5322; BEA Numbers: 200402589LV & B99-00002-LV; 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. 6025

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: 274 S. Waterman St. Notified? No Yes Date: November 3, 2017 City/State: Detroit, MI Property Tax ID number: 1800023600 Other: Lafayette Properties, LLC Address: 155 & 251 S. Waterman St. Notified? No Yes Date: November 3, 2017

City/State: Detroit, MI

Property Tax ID number: 18008081-2

Other: UR Properties LLC

Address: 507 S. Post Street Notified? No Yes Date: November 3, 2017

City/State: Detroit, MI

Property Tax ID number: 18008642

Other: Linda King

Address: 515 S. Waterman St. (6665 South St.) Notified? No
Yes
Notified? No
Notified? Yes
November 3, 2017

City/State: Detroit, MI

Property Tax ID number: 18000213.001

Other: MDOT Parcel 5269

Address: E02 C Waterman Ct Notified? No 🖾 Vos 🖾 Date: Nevember 3 2017

City/State: Detroit, MI Property Tax ID number: 18008259 Other: MDOT Parcel 5262	Notified? No <u>j≊j</u>	Yes 🔼	Date: November 3, 2017	
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MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY REMEDIATION AND REDEVELOPMENT DIVISION

Address: 6741 South St.	Notified? No 🔲	Yes 🛛	Date: November 3, 2017
City/State: Detroit, MI Property Tax ID number: 18000214 Other: MDOT Parcel 5252			
Address: 501 S. Schroeder St. City/State: Detroit, MI	Notified? No 🔲	Yes 🛛	Date: November 3, 2017
Property Tax ID number: 18008311 Other: MDOT Parcel 5251			
Address: 504 S. Schroeder St. City/State: Detroit, MI	Notified? No 🔲	Yes 🔯	Date: November 3, 2017
Property Tax ID number: 18008312 Other: MDOT Parcel 5244			
Address: 6918 W. Jefferson Ave. City/State: Detroit, MI	Notified? No ☐	Yes 🛛	Date: November 3, 2017
Property Tax ID number: 18000108-9 Other: MDOT Parcel 5030			
Address: 6994 South St. City/State: Detroit, MI	Notified? No 🔲	Yes 🛚	Date: November 3, 2017
Property Tax ID number: 18000235 Other: MDOT Parcel 5321			
Address: 245 S. Post St. City/State: Detroit, MI	Notified? No	Yes 🛚	Date: November 3, 2017
Property Tax ID number: 18008643 Other: MDOT Parcel 5722			
Address: 201 S. Post St.	Notified? No 🔲	Yes 🛚	Date: November 3, 2017
City/State: Detroit, MI Property Tax ID number: 18008644.001 Other: MDOT Parcel 5409			
Address: 6952 W. Jefferson Ave.	Notified? No 🗌	Yes 🛛	Date: November 3, 2017
City/State: Detroit, MI Property Tax ID number: 18000107 Other: DTE Electric Company			
Address: 6952 W. Jefferson Ave.	Notified? No □	Yes 🛛	Date: November 3, 2017
City/State: Detroit, MI Property Tax ID number: 18000107 Other: Conrail (suspected easement holder)			
Address: Unknown – an approximately 50' wide strip of land immediately north of 276 S. Waterman St./	Notified? No	Yes 🛚	Date: November 3, 2017
180002360; west of S. Waterman St.; east of S. Post St.; south of active Norfolk Southern railroad tracks			
City/State: Detroit, MI Property Tax ID number: Unavailable			
Other: Toledo, Canada Southern & Detroit Railway Company & Michigan Central Railroad Co (now Conrail)			

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MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY REMEDIATION AND REDEVELOPMENT DIVISION

Address: Unknown – an approximately 60' wide strip of land 50' north of 276 S. Waterman St./180002360; west of S. Waterman St.; east of S. Post St.; occupied by active Norfolk Southern railroad tracks City/State: Detroit, MI Property Tax ID number: Unavailable Other: Norfolk Southern Corp.	Notified? No ☐ Yes	Date: November 3, 2017
Address: 276 S. Waterman St. (subject property) City/State: Detroit, MI Property Tax ID number: 180002360 Other: Potential easement holders: Conrail, DTE Electric Company	Notified? No Yes	Date: November 3, 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: November 3, 2017
Address: 2 Woodward Avenue, Ste. 611 City/State: Detroit, MI, 48226 Property Tax ID number: NA Other: City of Detroit (S. Waterman Street, South Street, S. Schroeder Street, and alleys adjacent to 276 S. Waterman Street / 180002360)	Notified? No 🔲 Yes	☑ Date: November 3, 2017
Address: 735 Randolph City/State: Detroit, MI, 48226 Property Tax ID number: NA Other: Detroit Water & Sewerage Department (utility holder)	Notified? No Yes	Date: November 3, 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: November 3, 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: November 3, 2017
Address: 12775 Lydon Street City/State: Detroit, MI, 48227 Property Tax ID number: NA Other: Comcast/Xfinity (utility holder)	Notified? No Yes	Date: November 3, 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: November 3, 2017

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

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MAP OF PROPERTY TAX ID NUMBERS



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5322

ADJACENT MDOT PARCELS

MDOT PARCELS

PARCEL BOUNDARIES



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY REMEDIATION AND REDEVELOPMENT DIVISION

- 6. Complete the Table on Page 7 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 7, 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 7, 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 conclusic analytical data or fate and transport modeling, both, or neither.	on is bas	ed on groundwater
8.	If the person making this notice has reason to believe that a migrating hazardous sut to affect, a private or public water supply, then that water supply must be identified h		has affected, or is likely
	NA	VEC	NO
9.	Is this notice being submitted within the timeframes established under R 299.51017 and/or MCL 324.20114(1), as applicable?	YE\$	NO
10.	Is this notice in addition to a notice that was submitted prior to <i>December 21, 2002?</i> (R 299.51017(4)(c))	Ŋ.	
11.	Is this notice related to an oil and gas well permit (R 299.51017(2))? Permit #:	20	
12.	Is this notice related to an easement (R 299.51017(3))? (NOTE: All easement grantors <i>must</i> receive this notice.)	**	
13.	Has surface water been affected (R 299.51017(1)? (If yes, please identify the affected surface water body.)	Z.	
CE	RTIFICATION:		
bel rep feld Sig	th my signature below, I certify that I am the owner of the facility or that I am legally authorized to bind the owner or operator named on this form, and that to the best of my knowledge resentations are complete and accurate. I understand that intentionally submitting fallows and may result in lines up to \$25,000 fdr each violation. Date Owner or person legally authorized to bind the person making this report)	e and be se inforn	lief the above nation to the DEQ is a
	e (Typed or Printed) Project Manager, Environmental Owners Representative Consultant, Gordie How	a Internet	ional Bridge Project
1 171,	c (Typed of Finited) Filiples (wandler, Environmental Owners Representative Consultant, Goldle Flow	e internati	uliai priuge Ploject

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MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY REMEDIATION AND REDEVELOPMENT DIVISION

See Item 6 on Page 6 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 C

Column E Column E Column F

Column G Column H

Chemical Abstract Service (CAS) Number for the hazardous substance.

Maximum hazardous substance concentration measured on the property, expressed in parts per billion (e.g., ug/L or ug/Kg). Report 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.

Sample location for Column C (relate to label on map).

Environmental medium in which concentration reported in Column C was measured (e.g., soil or groundwater).

Distance from point of maximum measured concentration (Column D) to property boundary, in direction of contaminant migration, if known.

Concentration of contaminant migration, 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 I to list the concentration that was measured closest to the property boundary in the direction of contaminant migration.

Sample location for Column H (relate to label on map).

Environmental medium for measurement reported in Column H, if applicable.

Column J Column J

PI FASE SEE ATTACHED TABLE 1

	1		ĺ	1
J Environmental Medium for "H"				
I Sample Location for "H"				
H Boundary Concentration				
G Direction of Migration				
F Distance to Property Boundary				
D E Environmental Medium for "C"				
D Sample Location for "C"				
B C CAS Maximum Number Concentration				
B CAS Number				
A Hazardous Substance				

Total Number Samples Collected:

A scaled map or drawing showing these locations and the property boundaries must be submitted with this Notice PLEASE SEE ATTACHED FIGURES 2, 3, & 4

Total Number of Samples Exceeding Criteria:

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TABLE 1

DEQ NOTICE OF MIGRATION ATTACHMENT

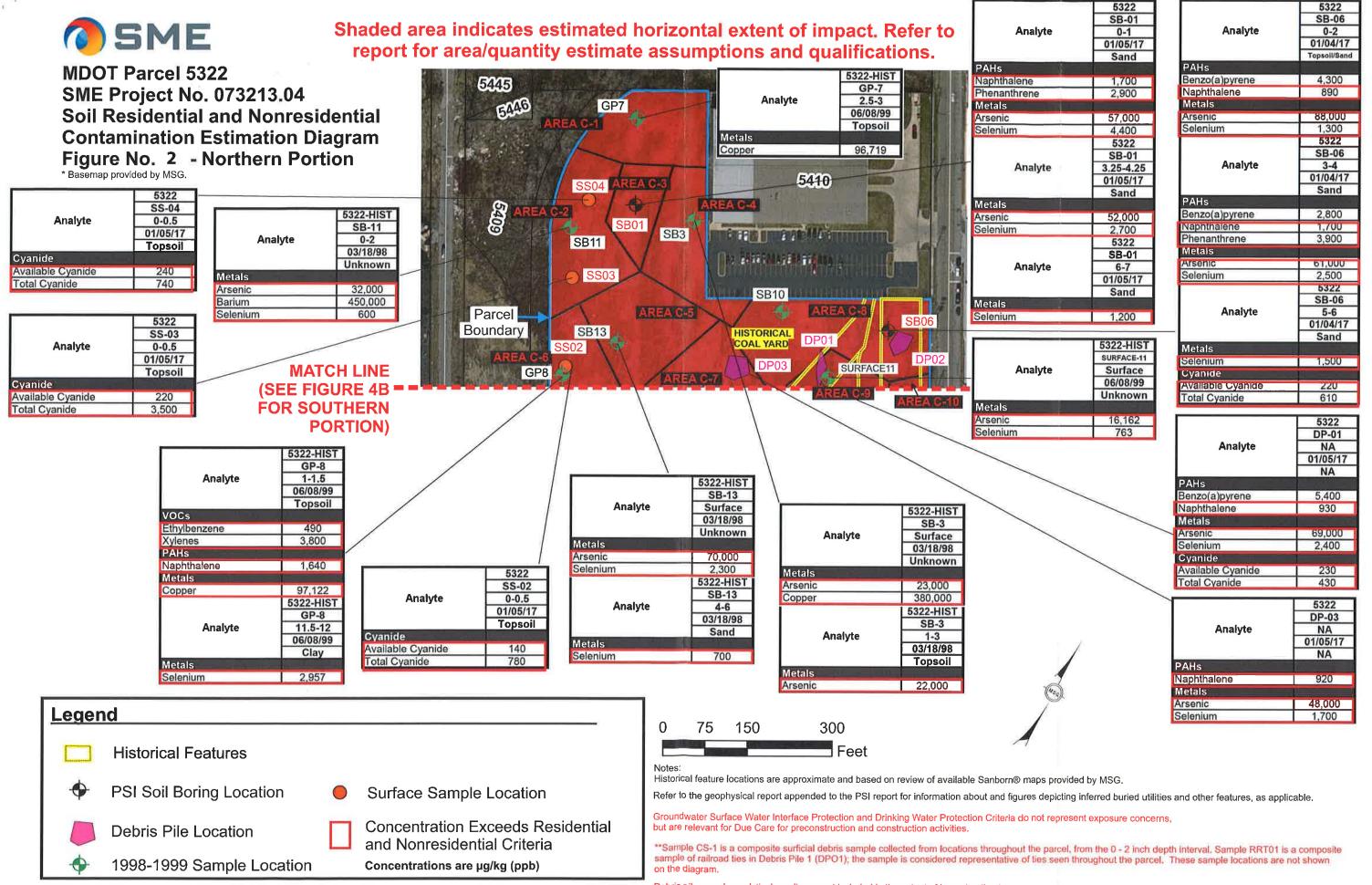
ם
Sample Location for "C" Environmental Medium for "C"
5322_SB-06_0-2_S_SME_20170104 Soil
5322_SB-02_0-1_S_SME_20170105 Soil
5322_SB-06_3-4_S_SME_20170104 Soil
5322_SB-05_1-2_S_SME_20170105 Soil
5322_SB-05_1-2_S_SME_20170105 Soil
5322_SB-05_1-2_S_SME_20170105 Soil
5322_SB-01_0-1_S_SME_20170105 Soil
5322_SB-04_0-1_S_SME_20170104 Soil
5322_SB-06_5-6_S_SME_20170104 Soil
5322_SS-03_S_SME_20170105 (0-0.05) Surface soil [†]
5322_SS-04_S_SME_20170105 (0-0.05) Surface soil [†]
5322_SB-04_10-14_GW_SME_20170104 Groundwater
5322 Dup-01 GW SME_20170105 [‡] Groundwater
5322 DP-01_S_SME_20170105 Debris pile
5322_DP-01_S_SME_20170105 Debris pile
5322_DP-01_S_SME_20170105 Debris pile
5322_DP-01_S_SME_20170105 Debris pile
5322_DP-01_S_SME_20170105 Debris pile
5322 DP-01 S SMF 20170105 Dehris nile

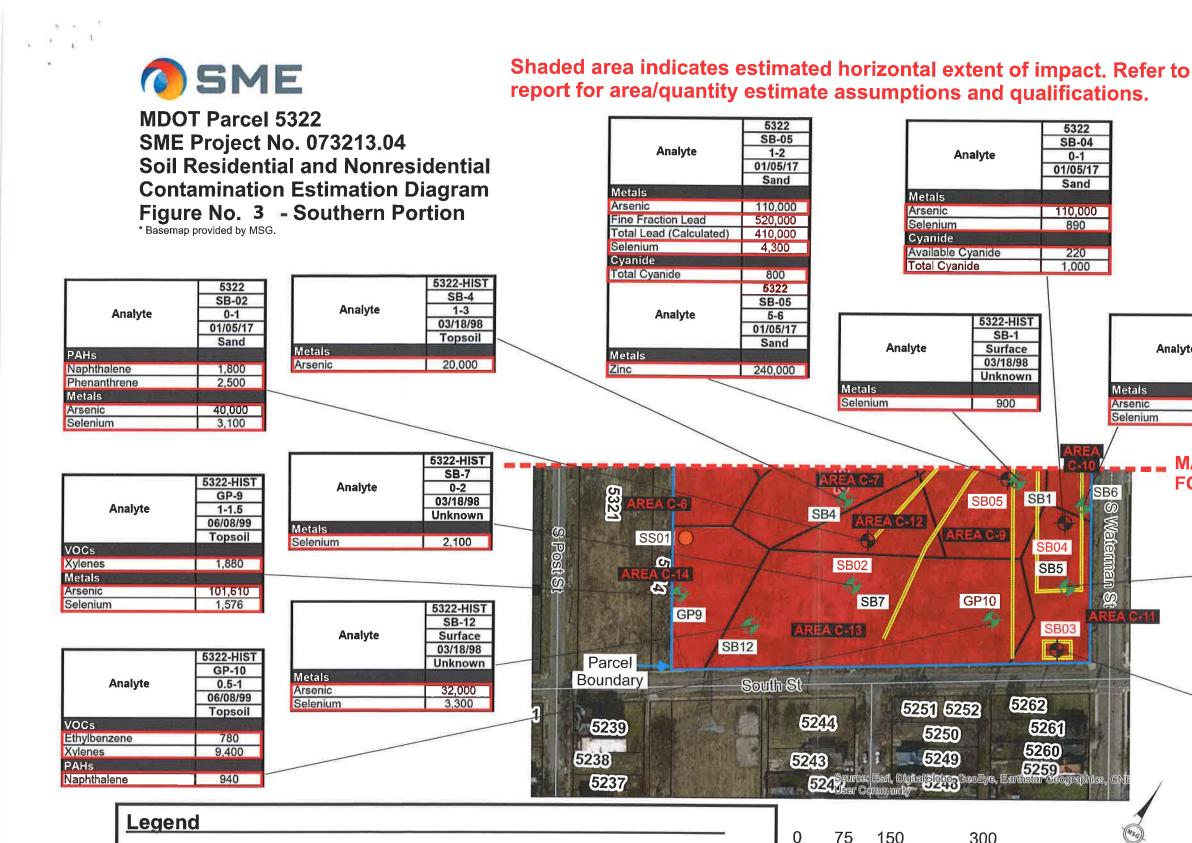
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Footnotes:

¹ Analyzed for cyanide only

[‡] Duplicate sample corresponding to 5322_SB-01_4-9_GW_SME_20170105





5322 CS-1* Analyte 0-0.2 01/04/17 SB-04 Topsoil PAHs Analyte 0-1 Naphthalene 5,800 01/05/17 Phenanthrene 5,900 Sand **SVOCs** 2-Methylnaphthalene 8,400 110,000 Dibenzofuran 2,700 890 Metals Arsenic 24,000 Available Cyanide 220 Selenium 1,500 Total Cyanide 1,000 220,000 Zinc Cvanide Available Cyanide 240 Total Cyanide 620 5322-HIST 5322-HIST

SB-6

1-3

03/18/98

Topsoil

52,000

1,400

Analyte

Metals

Arsenic

Selenium

MATCH LINE (SEE FIGURE 4A FOR NORTHERN PORTION)

Analyte

Metals

Arsenic

Selenium

Arsenic

Selenium

	5322
Analyte	SB-03
	0-1
	01/05/17
	Topsoil
Metals	

5322-HIST

SB-5

Surface

03/18/98

Unknown

84,000

4.400

28,000

2,100

Concentration Exceeds Residential

Surface Sample Location

and Nonresidential Criteria

Concentrations are µg/kg (ppb)

Arsenic

Selenium

Cyanide

Analyte

SB-1

Surface

03/18/98

Unknown

900

SB05

GP10

300

5251 5252

5250

5249

150

SB1

SB5

SB03

5262

5261

5260

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 Interface Protection and Drinking Water Protection Criteria do not represent exposure concerns, but are relevant for Due Care for preconstruction and construction activities.

**Sample CS-1 is a composite surficial debris sample collected from locations throughout the parcel, from the 0 - 2 inch depth interval. Sample RRT01 is a composite sample of railroad ties in Debris Pile 1 (DPO1); the sample is considered representative of ties seen throughout the parcel. These sample locations are not shown

Historical Features

Debris Pile Location

PSI Soil Boring Location

1998-1999 Sample Location



MDOT Parcel 5322 SME Project No. 073213.04 Groundwater Nonhazardous Contamination Estimation Diagram Figure No. 4

Analyte	5322
	SB-01
	4-9
	01/05/17
Metals	
Dissolved Selenium	17

57/15 5445 BAAG GP7 5410 SB3 **6200** SB01 ENGE IN DISTRICTOR SAAGONING SB11 SB10 Parcel Boundary HISTORICAL COAL YARD SB13 SB1 SURFACE11 SB6 5321 SB4 SB5 GP10 SB7 SB12 South St 5262 5251 5252 5244 5261 5250 5260 5249 5238 5243 5259 5237

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

Analyte -	5322
	SB-04
	10-14
	01/04/17
Dissolved Arsenic	12

Notes

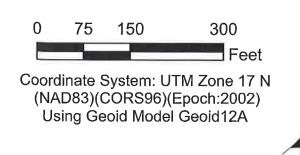
Historical feature locations are approximate and based on review of available Sanborn® maps provided by MSG.

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 Interface and Drinking Water Criteria do not represent exposure concerns, but are relevant for Due Care for preconstruction and construction activities.

Concentrations are µg/L (ppb)





^{*} Basemap provided by MSG.