May 1, 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 150 South Campbell Street, Detroit, MI, Tax ID 16014429 (MDOT Parcel 5443)
Potentially toward South Campbell Street right-of-way to east and/or alley right-of-way to west
Notification No. 5443-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 150 South Campbell 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 ("your 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 your 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

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
Raymond A. Scott – City of Detroit General Manager
LaReina E. Wheeler – City of Detroit Buildings, Safety Engineering and Environmental Department

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

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
REMEDIATION AND REDEVELOPMENT DIVISION

For DEQ Use Only
ITS # _____
Site ID #_____
Category Code: _____

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 substances are emanating from:

   Name: MI Dept. of Transportation (MDOT) Parcel 5443
   Address: 150 South Campbell Street
   Location: Michigan
   City/County: Detroit / Wayne
   Property Tax Identification Number, or if applicable, the ward and item number: 16014429

   Latitude (decimal degrees): 42.305677660°N Longitude (decimal degrees): 83.096009274°W

   Reference Point for Latitude and Longitude:
   Center of Site: ☒ Main/front door: ☐ Front gate/main entrance: ☐ Other: ☐
   Collection Method: Survey: ☐ Interpolation: ☐ GPS: ☒

2. Status relative to the property:
   (Check one or both, as applicable.)

   Owner ☐
   Operator ☒

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 5443

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 Rd 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: 100 S. Campbell St. & 5832 Driggs St. City/State: Detroit, MI Property Tax ID number: 16014428 & 16000159 Other: L. Thoms Leasing, Inc. 175 S. Campbell Street, Detroit, MI, 48209	Notified? No ☐ Yes ☒ Date: May 1, 2017
Address: 156 South Campbell Street City/State: Detroit, MI Property Tax ID number: 16014430 Other: MDOT, Contaminated Site Specialist, Environmental Services Section, Bureau of Development, 425 W. Ottawa Street, P.O. Box 30050, Lansing, MI, 48909	Notified? No ☐ Yes ☒ Date: May 1, 2017
Address: 2 Woodward Avenue, Ste. 611 City/State: Detroit, MI, 48226 Property Tax ID number: NA Other: City of Detroit (S. Campbell Street and alley adjoining 150 S. Campbell St. / 16014429)	Notified? No ☐ Yes ☒ Date: May 1, 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: May 1, 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: May 1, 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: May 1, 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: May 1, 2017

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

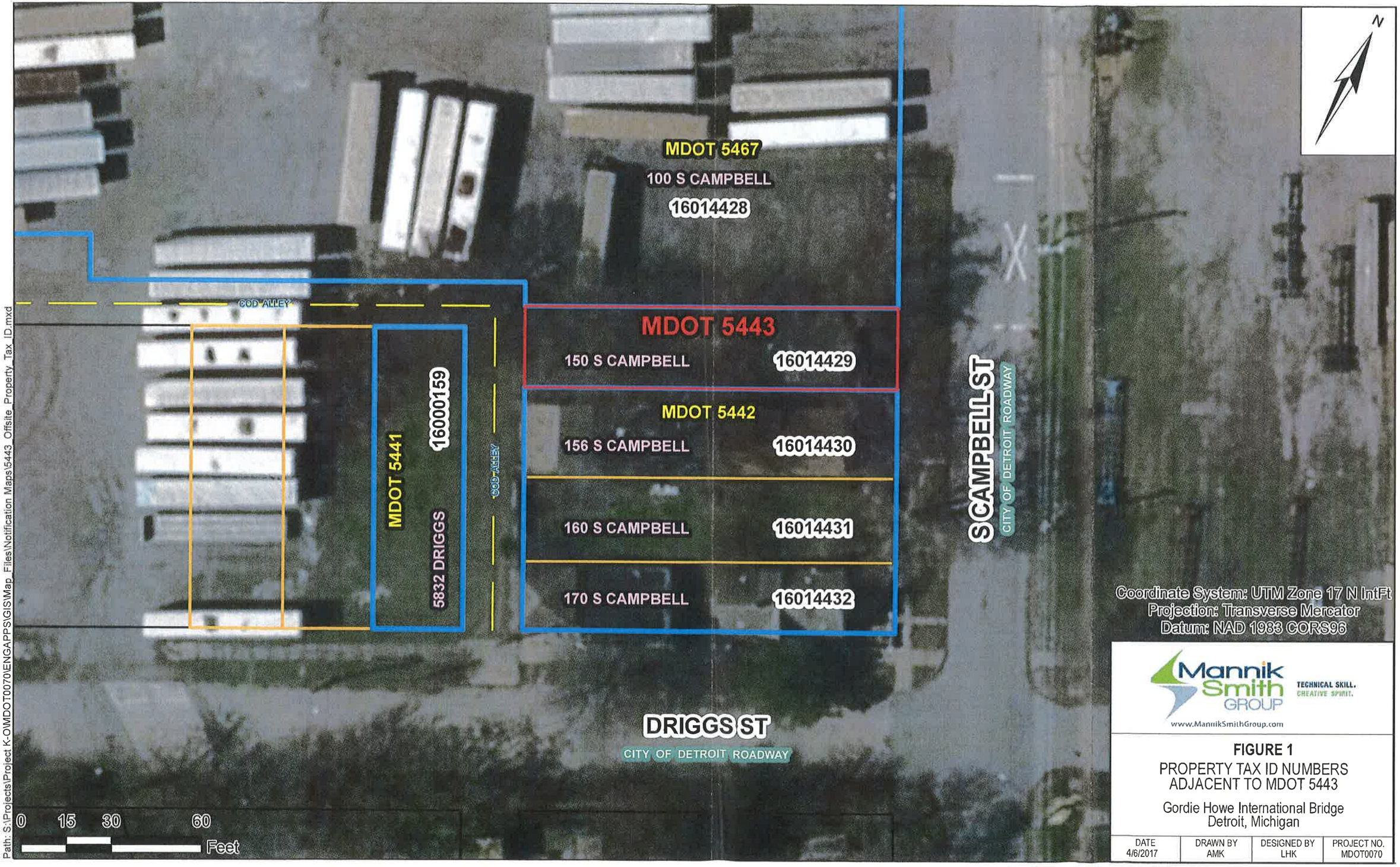
Notified? No ☐ Yes ☒ Date: May 1, 2017

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: May 1, 2017

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

MAP OF PROPERTY TAX ID NUMBERS



Date Saved: 8/22/2016 10:49:31 AM
Path: S:\Projects\Project K-O\MDOT0070\ENGAPPS\GIS\Map_Files\Notification Maps\5443_Offsite_Property_Tax_ID.mxd

Mannik Smith GROUP
TECHNICAL SKILL. CREATIVE SPIRIT.
www.MannikSmithGroup.com

FIGURE 1
PROPERTY TAX ID NUMBERS
ADJACENT TO MDOT 5443

Gordie Howe International Bridge
Detroit, Michigan

DATE	DRAWN BY	DESIGNED BY	PROJECT NO.
4/6/2017	AMK	LHK	MDOT0070

5443 Adjacent MDOT Parcels 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?	☐	☒
10. Is this notice in addition to a notice that was submitted prior to *December 21, 2002?* (R 299.51017(4)(c))	☐	☒
11. Is this notice related to an oil and gas well permit (R 299.51017(2))? Permit #:	☐	☒
12. Is this notice related to an easement (R 299.51017(3))? (NOTE: All easement grantors *must* receive this notice.)	☐	☒
13. Has surface water been affected (R 299.51017(1)? (If yes, please identify the affected surface water body.)	☐	☒

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 _____ Date 5/1/2017
(Owner or person legally authorized to bind the person making this report)

Name (Typed or Printed) Walter J. Bolt

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

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 I 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"
Trichloroethylene	79016	2,200	5443_SB-06_0-2_S_PM_20160523	Soil	5'	-	-	-	-
Arsenic	7440382	29,000	5443_SB-05_7-9_S_PM_20160523	Soil	5'	-	-	-	-
Cadmium	7440439	4,500	5443_SB-06_0-2_S_PM_20160523	Soil	5'	-	-	-	-
Chromium	16065831	26,000	5443_SB-05_0-2_S_PM_20160523	Soil	5'	-	-	-	-
Copper	7440508	480,000	5443_SB-05_0-2_S_PM_20160523	Soil	5'	-	-	-	-
Lead - Fine Fraction	7439921	430,000	5443_SB-06_0-2_S_PM_20160523	Soil	5'	-	-	-	-
Selenium	7782492	1,700	5443_SB-05_7-9_S_PM_20160523	Soil	5'	-	-	-	-
Zinc	7440666	4,300,000	5443_SB-05_0-2_S_PM_20160523	Soil	5'	-	-	-	-

Total Number of Samples Collected: 23

Total Number of Samples Exceeding Criteria: 21

Footnote:
* Unknown

5443_SB-06		5443_SB-06		5443_SB-06	
5/23/2016		5/23/2016		5/23/2016	
0.0 – 2.0'		13.0 – 15.0'		18.0 – 20.0'	
CYCLOHEXANE	88	cis-1,2-DCE	1,100	VOCs	<MDL
cis-1,2-DCE	160	trans-1,2-DCE	140	PNAs	<MDL
METHYL ACETATE	1,800	TCE	780	PCBs	<MDL
MCYHA	300	OTHER VOCs	<MDL	As	12,000
T	55	PNAs	<MDL	Ba	85,000
TCE	2,200	PCBs	<MDL	Cr	24,000
X	190	As	11,000	Cu	21,000
OTHER VOCs	<MDL	Ba	58,000	Pb (TOTAL)	9,300
ACETHY	34	Cr	25,000	Hg	18
ANT	71	Cu	18,000	Se	1,400
B(a)ANTH	290	Pb (TOTAL)	8,500	Zn	66,000
B(a)PYR	280	Hg	21	OTHER METALs	<MDL
B(b)FLA	440	Se	1,500		
B(k)FLA	130	Zn	65,000		
B(g,h,i)PER	220	OTHER METALs	<MDL		
CHRYSENE	280				
DI(A,H)ANT	61				
FL	430				
F	18				
I(1,2,3-CD)PY	270				
NAPH	27				
Ph	210				
Py	480				
2-M	37				
OTHER PNAs	<MDL				
PCBs	<MDL				
As	5,200				
Ba	46,000				
Cd	4,500				
Cr	11,000				
Cu	300,000				
Pb (COARSE)	470,000				
Pb (FINE)	430,000				
Pb (TOTAL)	450,000				
Hg	51				
Se	620				
Ag	130				
Zn	630,000				
ASBESTOS	ND				

5443_SB-05		5443_SB-05		5443_SB-05	
5/23/2016		5/23/2016		5/23/2016	
0.0 – 2.0'		7.0 – 9.0'		16.0 – 18.0'	
VOCs	<MDL	VOCs	<MDL	VOCs	<MDL
ACE	18	PNAs	<MDL	PNAs	<MDL
ACETHY	23	PCBs	<MDL	PCBs	<MDL
ANT	77	As	29,000	As	9,600
B(a)ANTH	320	Ba	48,000	Ba	68,000
B(a)PYR	360	Cr	18,000	Cr	23,000
B(b)FLA	500	Cu	21,000	Cu	18,000
B(k)FLA	170	Pb (TOTAL)	10,000	Pb (TOTAL)	7,800
B(g,h,i)PER	250	Hg	20	Hg	22
CHRYSENE	350	Se	1,700	Se	1,300
DI(A,H)ANT	75	Zn	66,000	Zn	56,000
FL	600	OTHER METALs	<MDL	OTHER METALs	<MDL
F	24				
I(1,2,3-CD)PY	290				
NAPH	65				
Ph	400				
Py	650				
2-M	82				
OTHER PNAs	<MDL				
PCBs	<MDL				
As	10,000				
Ba	170,000				
Cd	4,300				
Cr	26,000				
Cu	480,000				
Pb (COARSE)	160,000				
Pb (FINE)	180,000				
Pb (TOTAL)	170,000				
Hg	100				
Se	1,300				
Ag	240				
Zn	4,300,000				

5443_SB-02		5443_SB-02		5443_SB-02	
5/23/2016		5/23/2016		5/23/2016	
0.0 – 2.0'		9.0 – 11.0'		17.0 – 19.0'	
VOCs	<MDL	VOCs	<MDL	VOCs	<MDL
ACE	28	PNAs	<MDL	PNAs	<MDL
ANT	77	PCBs	<MDL	PCBs	<MDL
B(a)ANTH	300	As	9,600	As	11,000
B(a)PYR	290	Ba	79,000	Ba	91,000
B(b)FLA	410	Cr	19,000	Cr	22,000
B(k)FLA	120	Cu	17,000	Cu	23,000
B(g,h,i)PER	190	Pb (TOTAL)	7,700	Pb (TOTAL)	10,000
CHRYSENE	280	Hg	23	Hg	23
DI(A,H)ANT	50	Se	1,100	Se	1,500
FL	630	Zn	54,000	Zn	66,000
F	23	OTHER METALs	<MDL	OTHER METALs	<MDL
I(1,2,3-CD)PY	220				
NAPH	49				
Ph	340				
Py	600				
2-M	53				
OTHER PNAs	<MDL				
PCBs	<MDL				
As	5,700				
Ba	51,000				
Cd	710				
Cr	14,000				
Cu	340,000				
Pb (COARSE)	200,000				
Pb (FINE)	280,000				
Pb (TOTAL)	250,000				
Hg	70				
Se	680				
Ag	120				
Zn	250,000				

5443_SB-01		5443_SB-01		5443_SB-01	
5/23/2016		5/23/2016		5/23/2016	
0.0 – 2.0'		10.0 – 12.0'		18.0 – 20.0'	
VOCs	<MDL	VOCs	<MDL	VOCs	<MDL
ANT	61	FL	19	PNAs	<MDL
B(a)ANTH	260	Ph	25	PCBs	<MDL
B(a)PYR	250	Py	24	As	12,000
B(b)FLA	310	OTHER PNAs	<MDL	Ba	100,000
B(k)FLA	99	PNAs	<MDL	Cr	25,000
B(g,h,i)PER	170	PCBs	<MDL	Cu	21,000
CHRYSENE	220	As	10,000	Pb (TOTAL)	10,000
DI(A,H)ANT	39	Ba	83,000	Hg	22
FL	440	Cr	24,000	Se	1,600
I(1,2,3-CD)PY	180	Cu	27,000	Zn	70,000
Ph	240	Pb (TOTAL)	14,000	OTHER METALs	<MDL
Py	540	Hg	27		
2-M	18	Se	1,400		
OTHER PNAs	<MDL	Zn	78,000		
PCBs	<MDL	OTHER METALs	<MDL		
As	7,600				
Ba	56,000				
Cd	860				
Cr	13,000				
Cu	100,000				
Pb (COARSE)	160,000				
Pb (FINE)	200,000				
Pb (TOTAL)	190,000				
Hg	93				
Se	830				
Zn	150,000				
OTHER METALs	<MDL				

5443_SB-07		5443_SB-07		5443_SB-07_DUP-02		5443_SB-07	
5/23/2016		5/23/2016		5/23/2016		5/23/2016	
0.0 – 2.0'		6.0 – 8.0'		6.0 – 8.0'		16.0 – 18.0'	
VOCs	<MDL	VOCs	<MDL	VOCs	<MDL	VOCs	<MDL
B(a)ANTH	84	PNAs	<MDL	PNAs	<MDL	PNAs	<MDL
B(a)PYR	72	PCBs	<MDL	PCBs	<MDL	PCBs	<MDL
B(b)FLA	99	As	23,000	As	10,000	As	11,000
B(k)FLA	36	Ba	57,000	Ba	83,000	Ba	57,000
B(g,h,i)PER	65	Cr	15,000	Cr	14,000	Cr	21,000
CHRYSENE	80	Cu	20,000	Cu	20,000	Cu	20,000
DI(A,H)ANT	17	Pb (TOTAL)	9,800	Pb (TOTAL)	9,600	Pb (TOTAL)	8,300
FL	130	Hg	25	Hg	19	Hg	23
I(1,2,3-CD)PY	68	Se	1,000	Se	1,300	Se	1,200
NAPH	19	Zn	62,000	Zn	56,000	Zn	79,000
Ph	71	OTHER METALs	<MDL	OTHER METALs	<MDL	OTHER METALs	<MDL
Py	150						
2-M	22						
OTHER PNAs	<MDL						
PCBs	<MDL						
As	4,500						
Ba	53,000						
Cd	1,000						
Cr	8,100						
Cu	140,000						
Pb (COARSE)	230,000						
Pb (FINE)	320,000						
Pb (TOTAL)	290,000						
Hg	64						
Se	610						
Zn	330,000						
OTHER METALs	<MDL						
ASBESTOS	ND						

5443_SB-04		5443_SB-04		5443_SB-04	
5/23/2016		5/23/2016		5/23/2016	
0.0 – 2.0'		12.0 – 14.0'		18.0 – 20.0'	
VOCs	<MDL	cis-1,2-DCE	190	VOCs	<MDL
ANT	28	TCE	100	PNAs	<MDL
B(a)ANTH	130	OTHER VOCs	<MDL	PCBs	<MDL
B(a)PYR	120	PNAs	<MDL	As	11,000
B(b)FLA	170	PCBs	<MDL	Ba	11,000
B(k)FLA	55	As	12,000	Cr	23,000
B(g,h,i)PER	94	Ba	52,000	Cu	20,000
CHRYSENE	120	Cr	22,000	Pb (TOTAL)	9,400
DI(A,H)ANT	23	Cu	17,000	Hg	18
FL	240	Pb (TOTAL)	8,600	Se	1,200
I(1,2,3-CD)PY	95	Hg	17	Zn	65,000
Ph	120	Se	1,400	OTHER METALs	<MDL
Py	230	Zn	57,000		
OTHER PNAs	<MDL	OTHER METALs	<MDL		
PCBs	<MDL				
As	8,100				
Ba	83,000				
Cd	910				
Cr	16,000				
Cu	140,000				
Pb (COARSE)	56,000				
Pb (FINE)	99,000				
Pb (TOTAL)	82,000				
Hg	79				
Se	790				
Ag	120				
Zn	260,000				

5443_SB-03		5443_SB-03		5443_SB-03_DUP01		5443_SB-03	
5/23/2016		5/23/2016		5/23/2016		5/23/2016	
0.0 – 2.0'		13.0 – 15.0'		13.0 – 15.0'		18.0 – 20.0'	
VOCs	<MDL	VOCs	<MDL	VOCs	<MDL	VOCs	<MDL
B(a)ANTH	77	PNAs	<MDL	PNAs	<MDL	PNAs	<MDL
B(a)PYR	54	PCBs	<MDL	PCBs	<MDL	PCBs	<MDL
B(b)FLA	74	As	11,000	As	12,000	As	9,100
B(k)FLA	23	Ba	95,000	Ba	70,000	Ba	74,000
B(g,h,i)PER	44	Cr	25,000	Cr	24,000	Cr	25,000
CHRYSENE	45	Cu	18,000	Cu	19,000	Cu	19,000
FL	110	Pb (TOTAL)	8,600	Pb (TOTAL)	8,200	Pb (TOTAL)	12,000
I(1,2,3-CD)PY	37	Hg	23	Hg	19	Hg	22
Ph	57	Se	1,500	Se	1,300	Se	1,300
Py	120	Zn	63,000	Zn	6,300	Zn	63,000
OTHER PNAs	<MDL	OTHER METALs	<MDL	OTHER METALs	<MDL	OTHER METALs	<MDL
PCBs	<MDL						
As	4,100						
Ba	28,000						
Cd	300						
Cr	8,400						
Cu	47,000						
Pb (COARSE)	55,000						
Pb (FINE)	64,000						
Pb (TOTAL)	59,000						
Hg	47						
Se	480						
Zn	160,000						

100 SOUTH CAMPBELL STREET COMMERCIAL PROPERTY (MDOT PARCEL 5467)

156 SOUTH CAMPBELL STREET RESIDENTIAL (MDOT PARCEL 5442)

160 SOUTH CAMPBELL STREET RESIDENTIAL (MDOT PARCEL 5442)

170 SOUTH CAMPBELL STREET RESIDENTIAL (MDOT PARCEL 5442)

175 SOUTH CAMPBELL STREET COMMERCIAL PROPERTY

150 SOUTH CAMPBELL STREET MDOT PARCEL 5443

Estimated extent of impacted media greater then the most restrictive Part 201 GCC

SOUTH CAMPBELL STREET

SIDEWALK

DRIGGS STREET

GAS

GRASS

5443_SB-1 5443_SB-2 5443_SB-3 5443_SB-4 5443_SB-5 5443_SB-6 5443_SB-7

LEGEND:

- SUBJECT PROPERTY
- GAS
- PARCEL CORNER
- SOIL BORING
- ESTIMATED EXTENT OF SOIL IMPACT GREATER THAN THE MDEQ PART 201 NONRESIDENTIAL SVII GCC
- ESTIMATED EXTENT OF SOIL IMPACT GREATER THAN THE MDEQ PART 201 RESIDENTIAL DC GCC

As	ARSENIC
Ba	BARIUM
Cd	CADMIUM
Cr	CHROMIUM
Pb	LEAD
Hg	MERCURY
Se	SELENIUM
Ag	SILVER
Zn	ZINC
ACE	ACENAPHTHENE
ACETHY	ACENAPHTHYLENE
ANT	ANTHRACENE
B(a)ANTH	BENZO(a)ANTHRACENE
B(a)PYR	BENZO(a)PYRENE
B(b)FLA	BENZO(b)FLUORANTHENE
B(g,h,i)PER	BENZO(g,h,i)PERYLENE
B(k)FLA	BENZO(k)FLUORANTHENE
F	FLUORENE
FL	FLUORANTHENE
I(1,2,3-CD)PY	INDENO(1,2,3,CD)PYRENE
2-M	2-METHYLNAPHTHALENE
NAPH	NAPHTHALENE
Ph	PHENANTHRENE
Py	PYRENE
DI(A,H)ANT	DIBENZO(a,h)ANTHRACENE
T	TOLUENE
X	XYLENES
TCE	TRICHLOROETHENE
MCYHA	METHYLCYCLOHEXANE
cis-1,2-DCE	cis-1,2-DICHLOROETHYLENE
trans-1,2-DCE	trans-1,2-DICHLOROETHYLENE
VOCs	VOLATILE ORGANIC COMPOUNDS
PNAs	POLYNUCLEAR AROMATIC COMPOUNDS
PCBs	POLYCHLORINATED BIPHENYLS
MDL	METHOD DETECTION LIMIT
ND	NOT DETECTED
UNITs	µg/Kg (UNLESS NOTED)
	VALUE EXCEEDS PART 201 GENERIC CLEANUP CRITERIA

NOTES: REFER TO TABLES FOR SPECIFIC COMPOUNDS ANALYZED

PM ENVIRONMENTAL | Environmental & Engineering Services

FIGURE 2

SOIL BORING LOCATION MAP WITH SOIL ANALYTICAL RESULTS

PROJ:

MDOT PARCEL 5443
150 SOUTH CAMPBELL STREET
DETROIT, MI

THIS IS NOT A LEGAL SURVEY

VERIFY SCALE 0 20'

IF NOT 1" ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRN BY: KS | DATE: 6/21/2016

CHKD BY: NL/CA | SCALE: 1" = 20'

FILE NAME: 01-7940-1-009F00R00