April 24, 2018

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 131 S. Dragoon Street, Detroit, MI, Tax ID 16016676 (MDOT Parcel 5458)
Potentially toward S. Dragoon Street right-of-way to the west and/or alley right-of-way to the east
Notification No. 5458-ROW

To whom it may concern:

The Mannik Smith Group, Inc. ("MSG"), on behalf of the Michigan Department of Transportation ("MDOT"), has directed or conducted underground environmental testing at 131 South Dragoon Street, Detroit, Michigan ("the Site") in relation to the Gordie Howe International Bridge project underway in the vicinity of the rights-of-way 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,

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 MAY 15 2018

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 5458
   Address: 131 S. Dragoon Street
   Location: Michigan
   City/County: Detroit/Wayne
   Property Tax Identification Number, or if applicable, the ward and item number: 16016676

   Latitude (decimal degrees): 42.304276 °N Longitude (decimal degrees): -83.099679 °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 5458; 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: 125 S. Dragoon Street
City/State: Detroit, MI
Property Tax ID number: 16016677-8
Other: PTDC Properties LLC
Notified? No ☐ Yes ☒ Date: April 24, 2018

Address: 139 S. Dragoon Street
City/State: Detroit, MI
Property Tax ID number: 16016675
Other: MDOT Parcel 5425
Notified? No ☐ Yes ☒ Date: April 24, 2018

Address: 27700 Donald Court
City/State: Warren, MI, 48092-2793
Property Tax ID number: NA
Other: MDEQ, Southeast Michigan District Office
Office of Drinking Water & Municipal Assistance Division
Notified? No ☐ Yes ☒ Date: April 24, 2018

Address: 2 Woodward Avenue, Ste. 611
City/State: Detroit, MI, 48226
Property Tax ID number: NA
Other: City of Detroit (S. Dragoon Street and alley adjacent to 131 S. Dragoon St. / 16016676)
Notified? No ☐ Yes ☒ Date: April 24, 2018

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: April 24, 2018

Address: 735 Randolph Street, Ste. 1900 Notified? No ☐ Yes ☒ Date: April 24, 2018
City/State: Detroit, MI, 48226
Property Tax ID number: NA
Other: Great Lakes Water Authority (utility holder)

Address: 12775 Lydon Street Notified? No ☐ Yes ☒ Date: April 24, 2018
City/State: Detroit, MI, 48227
Property Tax ID number: NA
Other: Comcast/Xfinity (utility holder)

Address: 208 S. Akard Street Notified? No ☐ Yes ☒ Date: April 24, 2018
City/State: Dallas, TX, 75202
Property Tax ID number: NA
Other: AT&T Headquarters (utility holder)

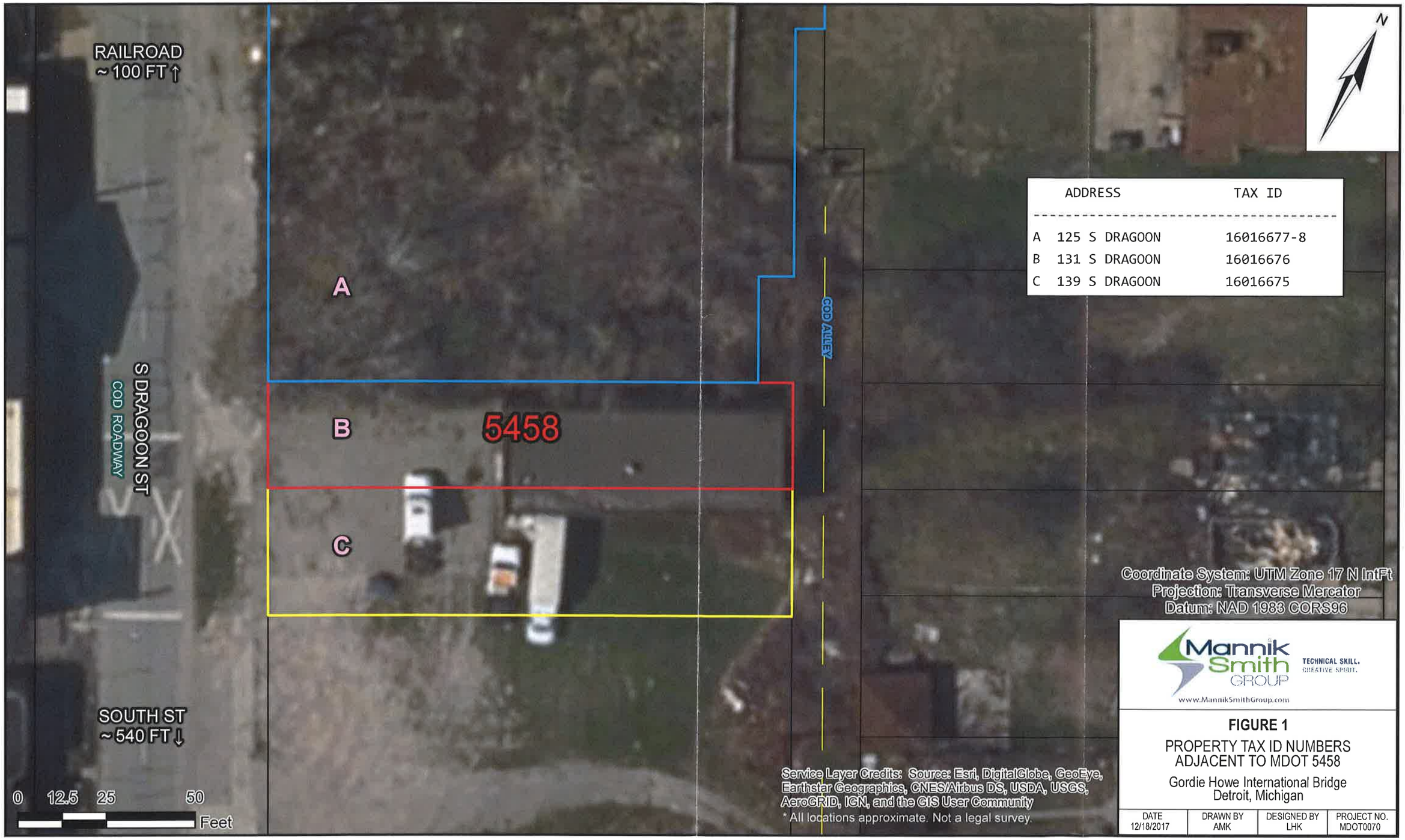
Address: One Energy Plaza, Ste. 1935 Notified? No ☐ Yes ☒ Date: April 24, 2018
City/State: Detroit, MI, 48226
Property Tax ID number: NA
Other: Detroit Edison, DTE (utility holder)

Address: 6425 Huber Street Notified? No ☐ Yes ☒ Date: April 24, 2018
City/State: Detroit, MI, 48211
Property Tax ID number: NA
Other: Detroit Water & Sewerage Department (utility holder) – via email

Address: 3245 E. Jefferson Avenue, Ste. 100 Notified? No ☐ Yes ☒ Date: April 24, 2018
City/State: Detroit, MI, 48207
Property Tax ID number: NA
Other: Detroit Health Department – via email

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

MAP OF PROPERTY TAX ID NUMBERS



	ADDRESS	TAX ID
A	125 S DRAGOON	16016677-8
B	131 S DRAGOON	16016676
C	139 S DRAGOON	16016675

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

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
* All locations approximate. Not a legal survey.

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

FIGURE 1

PROPERTY TAX ID NUMBERS
ADJACENT TO MDOT 5458

Gordie Howe International Bridge
Detroit, Michigan

DATE	DRAWN BY	DESIGNED BY	PROJECT NO.
12/18/2017	AMK	LHK	MDOT0070

Date Saved: 12/18/2017 4:20:20 PM
Path: S:\Projects\Project K-O\MDOT0070\ENGAPPS\GIS\Map_Files\Notification Maps\5458_TaxID_Map.mxd

5458

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 Walter J. Bolt Date 4/24/2018
(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	79-01-6	1,700	5458_SB-03_0-2_S_PM_20170810	Soil	10 feet	Unknown	-	-	-
Chromium (Total)	7440-47-3	24,000	5458_SB-04_10-12_S_PM_20170810	Soil	10 feet	Unknown	-	-	-
Copper	7440-50-8	14,000,000	5458_SB-05_0-2_S_PM_20170810	Soil	0 feet	Unknown	-	-	-
Lead - Total (calculated)	7439-92-1	2,100,000	5458_SB-01_0-2_S_PM_20170810	Soil	5 feet	Unknown	-	-	-
Lead - Fine Fraction	7439-92-1	640,000	5458_SB-01_10-12_S_PM_20170810	Soil	5 feet	Unknown	-	-	-
Lead - Coarse Fraction	7439-92-1	7,000,000	5458_SB-01_0-2_S_PM_20170810	Soil	5 feet	Unknown	-	-	-
Mercury	7439-97-6	870	5458_SB-05_0-2_S_PM_20170810	Soil	0 feet	Unknown	-	-	-
Selenium	7782-49-2	2,700	5458_SB-03_0-2_S_PM_20170810	Soil	10 feet	Unknown	-	-	-
Zinc	7440-66-6	1,400,000	5458_SB-05_0-2_S_PM_20170810	Soil	0 feet	Unknown	-	-	-
Cyanide (Total)	57-12-5	1,200	5458_SB-05_0-2_S_PM_20170810	Soil	0 feet	Unknown	-	-	-

Total Number of Samples Collected: 29 Total Number of Samples Exceeding Criteria: 29

SB-04		DUP-01		SB-04		SB-04	
7/27/2017		7/27/2017		7/27/2017		7/27/2017	
0.0 – 2.0'		0.0 – 2.0'		6.0 – 8.0'		10.0 – 12.0'	
METHYL ACETATE	1,900	METHYL ACETATE	2,000	VOCs	<MDL	VOCs	<MDL
MCYHA	88	MCYHA	54	2-M	110	2-M	150
PCE	920	PCE	580	OTHER PNAs	<MDL	OTHER PNAs	<MDL
1,2,4-TMB	78	1,2,4-TMB	68	PCBs	<MDL	PCBs	<MDL
OTHER VOCs	<MDL	OTHER VOCs	<MDL	As	1,100	As	2,900
ANT	49	B(a)ANTH	84	Ba	5,700	Ba	24,000
B(a)ANTH	110	B(b)FLA	100	Cd	140	Cd	1,400
B(b)FLA	100	B(k)FLA	66	Cr	6,900	Cr	24,000
B(k)FLA	85	B(a)PYR	65	Cu	4,200	Cu	16,000
B(g,h,i)PER	54	CHRYSENE	70	Pb (TOTAL)	3,300	Pb (TOTAL)	6,200
B(a)PYR	79	FL	190	Pb (FINE)	2,900	Pb (FINE)	9,800
CHRYSENE	120	2-M	1,100	Pb (COARSE)	3,500	Pb (COARSE)	5,200
FL	240	NAPH	170	Se	900	Se	1,900
I(1,2,3-CD)PY	60	Ph	140	Zn	11,000	Zn	45,000
2-M	1,400	Py	200	OTHER METALs	<MDL	OTHER METALs	<MDL
NAPH	180	OTHER PNAs	<MDL	GLYCOLS	<MDL	GLYCOLS	<MDL
Ph	170	PCBs	<MDL	TOTAL CYANIDE	<MDL	TOTAL CYANIDE	120
Py	260	As	11,000				
OTHER PNAs	<MDL	Ba	120,000				
PCBs	<MDL	Cd	1,100				
As	8,200	Cr	9,900				
Ba	97,000	Cu	73,000				
Cd	990	Pb (TOTAL)	190,000				
Cr	10,000	Pb (FINE)	150,000				
Cu	71,000	Pb (COARSE)	260,000				
Pb (TOTAL)	140,000	Hg	230				
Pb (FINE)	100,000	Se	1,800				
Pb (COARSE)	190,000	Zn	560,000				
Hg	250	OTHER METALs	<MDL				
Se	1,800						
Zn	290,000						
OTHER METALs	<MDL						
GLYCOLS	<MDL						
TOTAL CYANIDE	480						

111 SOUTH LIVERNOIS STREET
(MDOT PARCEL 5454)

SB-05		SB-05		SB-05	
7/27/2017		7/27/2017		7/27/2017	
0.0 – 2.0'		10.0 – 12.0'		18.0 – 20.0'	
PCE	500	VOCs	<MDL	VOCs	<MDL
OTHER VOCs	<MDL	PNAs	<MDL	PNAs	<MDL
ANT	84	PCBs	<MDL	PCBs	<MDL
B(a)ANTH	260	As	4,900	As	7,400
B(b)FLA	370	Ba	56,000	Ba	81,000
B(k)FLA	210	Cr	18,000	Cr	29,000
B(g,h,i)PER	320	Cu	22,000	Cu	17,000
B(a)PYR	320	Pb (TOTAL)	9,800	Pb	11,000
CHRYSENE	290	Pb (FINE)	28,000	Hg	35
DI(A,H)ANT	77	Pb (COARSE)	5,800	Se	2,200
FL	620	Hg	28	Zn	61,000
F	45	Se	1,500	OTHER METALs	<MDL
I(1,2,3-CD)PY	280	Zn	63,000	GLYCOLS	<MDL
Ph	390	OTHER METALs	<MDL	TOTAL CYANIDE	160
Py	700	GLYCOLS	<MDL		
OTHER PNAs	<MDL	TOTAL CYANIDE	250		
PCBs	<MDL				
As	11,000				
Ba	110,000				
Cd	2,200				
Cr	11,000				
Cu	14,000,000				
Pb (TOTAL)	220,000				
Pb (FINE)	210,000				
Pb (COARSE)	240,000				
Hg	870				
Se	2,200				
Ag	220				
Zn	1,400,000				
GLYCOLS	<MDL				
TOTAL CYANIDE	1,200				

131 SOUTH LIVERNOIS STREET
(MDOT PARCEL 5455)

SB-07		SB-07		SB-07	
7/27/2017		7/27/2017		7/27/2017	
0.0 – 2.0'		5.0 – 7.0'		10.0 – 12.0'	
VOCs	<MDL	VOCs	<MDL	MCYHA	38
PNAs	<MDL	PNAs	<MDL	OTHER VOCs	<MDL
PCBs	<MDL	PCBs	<MDL	PNAs	<MDL
As	3,900	As	1,800	PCBs	<MDL
Ba	31,000	Ba	14,000	As	7,400
Cd	430	Cd	150	Ba	9,600
Cr	8,200	Cr	7,000	Cd	1,800
Cu	23,000	Cu	4,700	Cr	11,000
Pb (TOTAL)	11,000	Pb (TOTAL)	5,400	Cu	22,000
Pb (FINE)	10,000	Pb (FINE)	4,300	Pb (TOTAL)	11,000
Pb (COARSE)	14,000	Pb (COARSE)	7,600	Pb (FINE)	19,000
Hg	83	Hg	24	Pb (COARSE)	8,900
Se	1,500	Se	940	Hg	24
Zn	390,000	Zn	32,000	Se	1,200
OTHER METALs	<MDL	OTHER METALs	<MDL	Zn	45,000
				OTHER METALs	<MDL

SB-08		SB-08		SB-08	
7/27/2017		7/27/2017		7/27/2017	
0.0 – 2.0'		8.0 – 10.0'		15.0 – 17.0'	
VOCs	<MDL	VOCs	<MDL	VOCs	<MDL
PNAs	<MDL	PNAs	<MDL	PNAs	<MDL
PCBs	<MDL	PCBs	<MDL	PCBs	<MDL
As	1,800	As	2,200	As	13,000
Ba	23,000	Ba	21,000	Ba	66,000
Cd	250	Cr	10,000	Cr	18,000
Cr	9,800	Cu	4,600	Cu	21,000
Cu	8,700	Pb (TOTAL)	3,500	Pb	12,000
Pb (TOTAL)	9,800	Pb (FINE)	3,100	Hg	24
Pb (FINE)	5,600	Pb (COARSE)	4,300	Se	1,900
Pb (COARSE)	15,000	Hg	21	Zn	66,000
Hg	24	Se	1,600	OTHER METALs	<MDL
Se	1,300	Zn	14,000		
Zn	23,000	OTHER METALs	<MDL		
OTHER METALs	<MDL				

SB-03		SB-03		SB-03	
7/27/2017		7/27/2017		7/27/2017	
0.0 – 2.0'		2.0 – 4.0'		8.0 – 10.0'	
PCE	1,700	VOCs	<MDL	PCE	460
OTHER VOCs	<MDL	PNAs	<MDL	OTHER VOCs	<MDL
ANT	53	PCBs	<MDL	PNAs	<MDL
B(a)ANTH	240	As	8,600	PCBs	<MDL
B(b)FLA	300	Ba	26,000	As	5,200
B(k)FLA	180	Cd	250	Ba	33,000
B(g,h,i)PER	160	Cr	11,000	Cd	310
B(a)PYR	230	Cu	15,000	Cr	10,000
CHRYSENE	270	Pb (TOTAL)	96,000	Cu	12,000
DI(A,H)ANT	51	Pb (FINE)	96,000	Pb (TOTAL)	2,800
FL	530	Pb (COARSE)	95,000	Pb (FINE)	2,400
I(1,2,3-CD)PY	150	Hg	55	Pb (COARSE)	3,800
Ph	220	Se	1,800	Se	1,800
Py	620	Zn	31,000	Zn	33,000
OTHER PNAs	<MDL	OTHER METALs	<MDL	OTHER METALs	<MDL
PCBs	<MDL	GLYCOLS	<MDL	GLYCOLS	<MDL
As	7,400	TOTAL CYANIDE	110	TOTAL CYANIDE	<MDL
Ba	75,000				
Cd	920				
Cr	11,000				
Cu	60,000				
Pb (TOTAL)	140,000				
Pb (FINE)	140,000				
Pb (COARSE)	130,000				
Hg	140				
Se	2,700				
Zn	180,000				
OTHER METALs	<MDL				
GLYCOLS	<MDL				
TOTAL CYANIDE	440				

115-125 SOUTH DRAGOON STREET
(MDOT PARCEL 5457)

SB-09		SB-09		SB-09	
7/27/2017		7/27/2017		7/27/2017	
0.0 – 2.0'		8.0 – 10.0'		11.0 – 13.0'	
MCYHA	68	VOCs	<MDL	VOCs	<MDL
PCE	300	PNAs	<MDL	PNAs	<MDL
OTHER VOCs	<MDL	PCBs	<MDL	PCBs	<MDL
B(a)ANTH	98	As	2,000	As	2,900
B(b)FLA	130	Ba	5,600	Ba	8,800
B(k)FLA	91	Cd	280	Cd	1,600
B(g,h,i)PER	75	Cr	5,600	Cr	8,900
B(a)PYR	81	Cu	7,900	Cu	11,000
CHRYSENE	130	Pb (TOTAL)	2,300	Pb (TOTAL)	5,300
FL	210	Pb (FINE)	1,900	Pb (FINE)	12,000
I(1,2,3-CD)PY	63	Pb (COARSE)	3,100	Pb (COARSE)	4,000
Ph	97	Hg	17	Hg	27
Py	250	Se	760	Se	1,300
OTHER PNAs	<MDL	Zn	22,000	Zn	38,000
PCBs	<MDL	OTHER METALs	<MDL	OTHER METALs	<MDL
As	9,500	GLYCOLS	<MDL	GLYCOLS	<MDL
Ba	76,000				
Cd	1,500				
Cr	11,000				
Cu	79,000				
Pb (TOTAL)	72,000				
Pb (FINE)	70,000				
Pb (COARSE)	81,000				
Hg	190				
Se	2,000				
Zn	280,000				
OTHER METALs	<MDL				
GLYCOLS	<MDL				

SB-01		SB-01		SB-01	
7/27/2017		7/27/2017		7/27/2017	
0.0 – 2.0'		3.0 – 5.0'		10.0 – 12.0'	
PCE	150	VOCs	<MDL	VOCs	<MDL
T	82	PNAs	<MDL	PNAs	<MDL
OTHER VOCs	<MDL	PCBs	<MDL	PCBs	<MDL
B(a)ANTH	68	As	1,300	As	3,200
B(b)FLA	84	Ba	23,000	Ba	12,000
B(k)FLA	61	Cr	8,800	Cd	430
B(a)PYR	76	Cu	5,100	Cr	11,000
CHRYSENE	76	Pb (TOTAL)	4,000	Cu	15,000
FL	160	Pb (FINE)	4,200	Pb (TOTAL)	130,000
Ph	69	Pb (COARSE)	4,000	Pb (FINE)	640,000
Py	180	Se	1,300	Pb (COARSE)	47,000
OTHER PNAs	<MDL	Zn	17,000	Se	1,300
PCBs	<MDL	OTHER METALs	<MDL	Zn	54,000
As	11,000			OTHER METALs	<MDL
Ba	77,000				
Cd	1,200				
Cr	10,000				
Cu	74,000				
Pb (TOTAL)	2,100,000				
Pb (FINE)	380,000				
Pb (COARSE)	7,000,000				
Hg	140				
Se	2,400				
Zn	200,000				
OTHER METALs	<MDL				

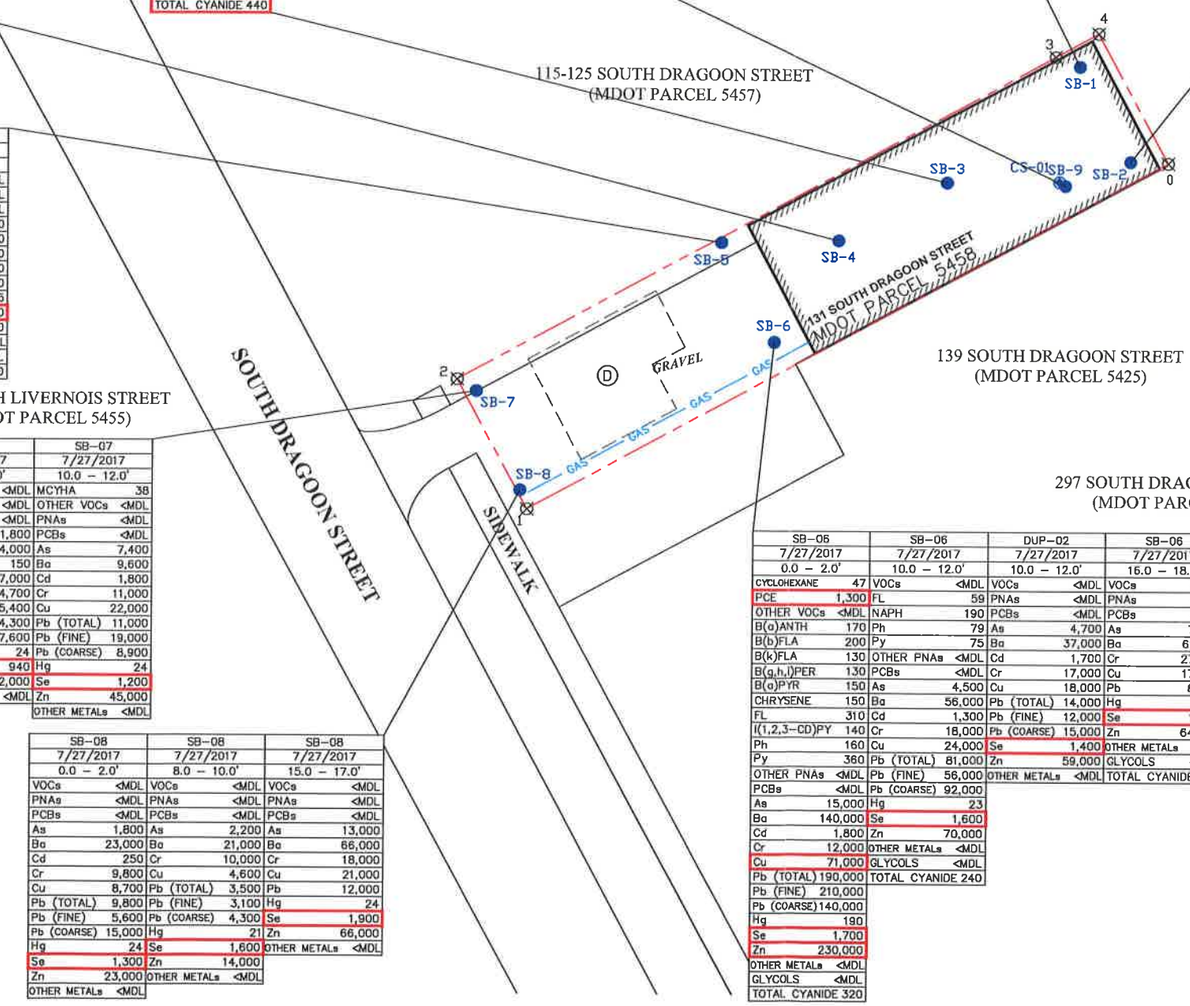
146 SOUTH MILITARY STREET
(MDOT PARCEL 5718)

SB-02		SB-02		SB-02	
7/27/2017		7/27/2017		7/27/2017	
0.0 – 2.0'		6.0 – 8.0'		11.0 – 13.0'	
VOCs	<MDL	VOCs	<MDL	VOCs	<MDL
ANT	63	PNAs	<MDL	PNAs	<MDL
B(a)ANTH	200	PCBs	<MDL	PCBs	<MDL
B(b)FLA	310	As	1,100	As	5,400
B(k)FLA	210	Ba	8,100	Ba	11,000
B(g,h,i)PER	190	Cd	180	Cr	10,000
B(a)PYR	230	Cr	5,000	Cu	18,000
CHRYSENE	250	Cu	5,200	Pb (TOTAL)	14,000
DI(A,H)ANT	52	Pb (TOTAL)	4,200	Pb (FINE)	36,000
FL	520	Pb (FINE)	3,000	Pb (COARSE)	8,200
I(1,2,3-CD)PY	220	Pb (COARSE)	5,400	Se	1,400
Ph	320	Se	960	Zn	54,000
Py	550	Zn	14,000	OTHER METALs	<MDL
OTHER PNAs	<MDL	OTHER METALs	<MDL		
PCBs	<MDL				
As	10,000				
Ba	130,000				
Cd	1,600				
Cr	16,000				
Cu	80,000				
Pb (TOTAL)	320,000				
Pb (FINE)	320,000				
Pb (COARSE)	320,000				
Hg	190				
Se	2,300				
Zn	310,000				
OTHER METALs	<MDL				

152 SOUTH MILITARY STREET
(MDOT PARCEL 5431)

SB-06		SB-06		DUP-02		SB-06	
7/27/2017		7/27/2017		7/27/2017		7/27/2017	
0.0 – 2.0'		10.0 – 12.0'		10.0 – 12.0'		16.0 – 18.0'	
CYCLOHEXANE	47	VOCs	<MDL	VOCs	<MDL	VOCs	<MDL
PCE	1,300	FL	59	PNAs	<MDL	PNAs	<MDL
OTHER VOCs	<MDL	NAPH	190	PCBs	<MDL	PCBs	<MDL
B(a)ANTH	170	Ph	79	As	4,700	As	7,500
B(b)FLA	200	Py	75	Ba	37,000	Ba	61,000
B(k)FLA	130	OTHER PNAs	<MDL	Cd	1,700	Cr	27,000
B(g,h,i)PER	130	PCBs	<MDL	Cr	17,000	Cu	17,000
B(a)PYR	150	As	4,500	Cu	18,000	Pb	8,500
CHRYSENE	150	Ba	56,000	Pb (TOTAL)	14,000	Hg	29
FL	310	Cd	1,300	Pb (FINE)	12,000	Se	1,700
I(1,2,3-CD)PY	140	Cr	18,000	Pb (COARSE)	15,000	Zn	64,000
Ph	160	Cu	24,000	Se	1,400	OTHER METALs	<MDL
Py	360	Pb (TOTAL)	81,000	Zn	59,000	GLYCOLS	<MDL
OTHER PNAs	<MDL	Pb (FINE)	56,000	OTHER METALs	<MDL	TOTAL CYANIDE	140
PCBs	<MDL	Pb (COARSE)	92,000				
As	15,000	Hg	23				
Ba	140,000	Se	1,600				
Cd	1,800	Zn	70,000				
Cr	12,000	OTHER METALs	<MDL				
Cu	71,000	GLYCOLS	<MDL				
Pb (TOTAL)	190,000	TOTAL CYANIDE	240				
Pb (FINE)	210,000						
Pb (COARSE)	140,000						
Hg	190						
Se	1,700						
Zn	230,000						
OTHER METALs	<MDL						
GLYCOLS	<MDL						
TOTAL CYANIDE	320						

297 SOUTH DRAGOON STREET
(MDOT PARCEL 5424)



LEGEND:

- SUBJECT PROPERTY
- GAS — GAS LINE
- ⊠ PARCEL CORNER
- Ⓓ FORMER DWELLING
- ● SOIL BORING
- ◉ CONCRETE SAMPLE

As	ARSENIC
Ba	BARIUM
Cd	CADMIUM
Cr	CHROMIUM
Pb	LEAD
Cu	COPPER
Hg	MERCURY
Se	SELENIUM
Ag	SILVER
Zn	ZINC
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
1,2,4-TMB	1,2,4-TRIMETHYLBENZENE
MCYHA	METHYLCYCLOHEXANE
PCE	TETRACHLOROETHENE
VOCs	VOLATILE ORGANIC COMPOUNDS
PNAs	POLYNUCLEAR AROMATIC COMPOUNDS
PCBs	POLYCHLORINATED BIPHENYLS
MDL	METHOD DETECTION LIMIT
UNITs	µg/Kg (UNLESS NOTED)
	VALUE EXCEEDS PART 201 GCC

NOTES: REFER TO TABLES FOR SPECIFIC COMPOUNDS ANALYZED

PM ENVIRONMENTAL | Environmental & Engineering Services

FIGURE 2

SAMPLE LOCATION MAP WITH SOIL ANALYTICAL RESULTS

PROJ:
131 SOUTH DRAGOON STREET
MDOT PARCEL 5458
DETROIT, MI

THIS IS NOT A LEGAL SURVEY

VERIFY SCALE 0 30'
IF NOT 1" ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRN BY: KS | DATE: 9/19/2017
CHKD BY: NL | SCALE: 1" = 30'
FILE NAME: 01-7940-1-020F00R00