



November 6, 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 5837, 5841, 5847, 5851, 5857, 5861, 5867, 5877, 5881 Harvey Street, Detroit, MI,
Tax IDs 16000120-9 (MDOT Parcels 5398 & 5405)
Potentially toward Harvey Street right-of-way to the north and/or alley right-of-ways to the south and east
Notification No. 5398.5405-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 5837, 5841, 5847, 5851, 5857, 5861, 5867, 5877, 5881 Harvey 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,

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 NOV 14 2017

TECHNICAL SKILL.
CREATIVE SPIRIT.

5398.5405.Notice Cover Letter.DetroitDPW.docx

For DEQ Use Only ITS # _____ Site ID # _____ Category Code: _____
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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/deqducare, 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/deqducare.

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) Parcels 5405 & 5398
Address: 5837, 5841, 5847, 5851, 5857, 5861, 5867, 5877, 5881 Harvey Street
Location: Michigan
City/County: Detroit, MI
Property Tax Identification Number, or if applicable, the ward and item number: 16000120-9 | 2. Status relative to the property:
(Check one or both, as applicable.)

Owner <input checked="" type="checkbox"/>
Operator <input type="checkbox"/>

Latitude (decimal degrees): 42.304039622°N Longitude (decimal degrees): 83.095896778°W
Reference Point for Latitude and Longitude:
Center of Site: <input checked="" type="checkbox"/> Main/front door: <input type="checkbox"/> Front gate/main entrance: <input type="checkbox"/> Other: <input type="checkbox"/>

Collection Method: Survey: <input type="checkbox"/> Interpolation: <input type="checkbox"/> GPS: <input checked="" type="checkbox"/> |
|--|---|



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 Parcels 5398 & 5405; 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 Rd South

City/State: Canton, MI

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: 155 S. Cavalry St. Notified? No Yes Date: November 6, 2017
City/State: Detroit, MI
Property Tax ID number: 16015007
Other: MDOT Parcel 5434

Address: 5834 Reeder St. Notified? No Yes Date: November 6, 2017
City/State: Detroit, MI
Property Tax ID number: 16000100
Other: MDOT Parcel 5403

Address: 5840 Reeder St. Notified? No Yes Date: November 6, 2017
City/State: Detroit, MI
Property Tax ID number: 16000099
Other: MDOT Parcel 5402

Address: 5846, 5850, 5854 Reeder St. Notified? No Yes Date: November 6, 2017
City/State: Detroit, MI
Property Tax ID number: 16000095-8
Other: MDOT Parcel 5400

Address: 5870, 5876, 5880, 5886 Reeder St. Notified? No Yes Date: November 6, 2017
City/State: Detroit, MI
Property Tax ID number: 16000090-3
Other: MDOT Parcel 5394



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
REMEDATION AND REDEVELOPMENT DIVISION

Address: 5892, 5896 Reeder St. Notified? No Yes Date: November 6, 2017
City/State: Detroit, MI
Property Tax ID number: 16000088-9
Other: MDOT Parcel 5397

Address: 5831 Harvey St. Notified? No Yes Date: November 6, 2017
City/State: Detroit, MI
Property Tax ID number: 16000119
Other: MDOT Parcel 5406

Address: 5887 Harvey St. Notified? No Yes Date: November 6, 2017
City/State: Detroit, MI
Property Tax ID number: 16000130
Other: MDOT Parcel 5397

Address: 301 S. Cavalry Notified? No Yes Date: November 6, 2017
City/State: Detroit, MI
Property Tax ID number: 16015005-6
Other: Solt, Inc.

Address: 5866 Reeder St. Notified? No Yes Date: November 6, 2017
City/State: Detroit, MI
Property Tax ID number: 16000094
Other: Crown Enterprises, Inc.

Address: 2 Woodward Avenue, Ste 611 Notified? No Yes Date: November 6, 2017
City/State: Detroit, MI, 48226
Property Tax ID number: NA
Other: City of Detroit (Harvey Street and alleys adjoining
5837, 5841, 5847, 5851, 5857, 5861, 5867, 5877, 5881
Harvey Street / 16000120-9)

Address: 735 Randolph Notified? No Yes Date: November 6, 2017
City/State: Detroit, MI, 48226
Property Tax ID number: NA
Other: Detroit Water & Sewerage Department
(utility holder)

Address: One Energy Plaza, Suite 1935 Notified? No Yes Date: November 6, 2017
City/State: Detroit, MI, 48226
Property Tax ID number: NA
Other: Detroit Edison, DTE (utility holder)

Address: 27175 Energy Way Notified? No Yes Date: November 6, 2017
City/State: Novi, MI, 48377
Property Tax ID number: NA
Other: International Transmission Company (ITC)
(utility holder)

Address: 735 Randolph Street, Ste 1900 Notified? No Yes Date: November 6, 2017
City/State: Detroit, MI, 48226
Property Tax ID number: NA
Other: Great Lakes Water Authority (utility holder)



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
REMEDIATION AND REDEVELOPMENT DIVISION

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

Notified? No Yes Date: November 6, 2017

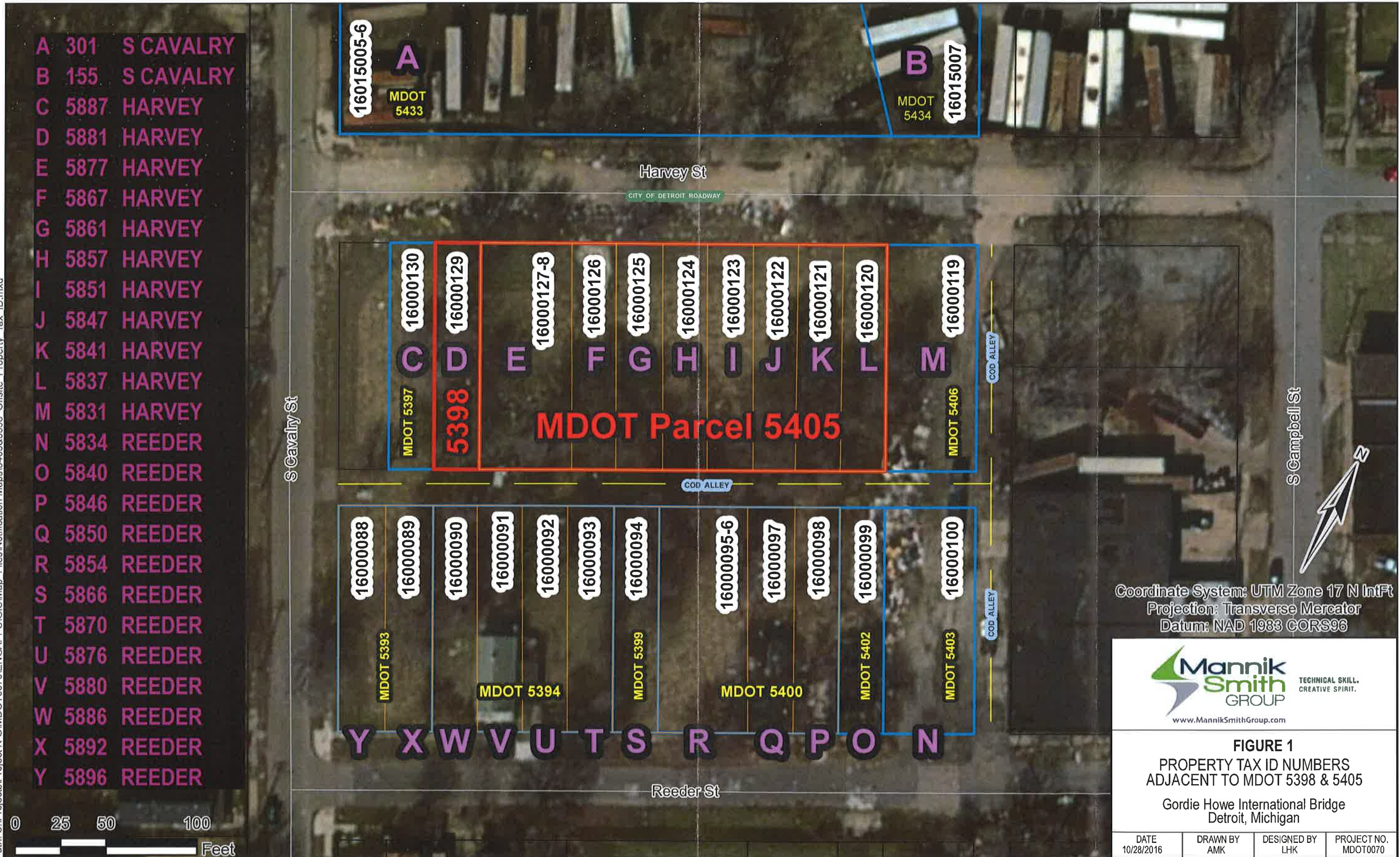
Address: 208 S. Akard Street
City/State: Dallas, TX, 75202
Property Tax ID number: NA
Other: AT&T Headquarters (utility holder)

Notified? No Yes Date: November 6, 2017

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

MAP OF PROPERTY TAX ID NUMBERS

Date Saved: 10/28/2016 3:25:41 PM
Path: S:\Projects\Project K-OMDOT0070\ENGAPP\GIS\Map_Files\Notification Maps\5405&5398_Offsite_Property_Tax_ID.mxd



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



FIGURE 1
PROPERTY TAX ID NUMBERS
ADJACENT TO MDOT 5398 & 5405
Gordie Howe International Bridge
Detroit, Michigan

DATE 10/28/2016	DRAWN BY AMK	DESIGNED BY LHK	PROJECT NO. MDOT0070
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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 December 21, 2002? (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))? Permit #: | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 12. Is this notice related to an easement (R 299.51017(3))? (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))? (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 11/6/2017

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**

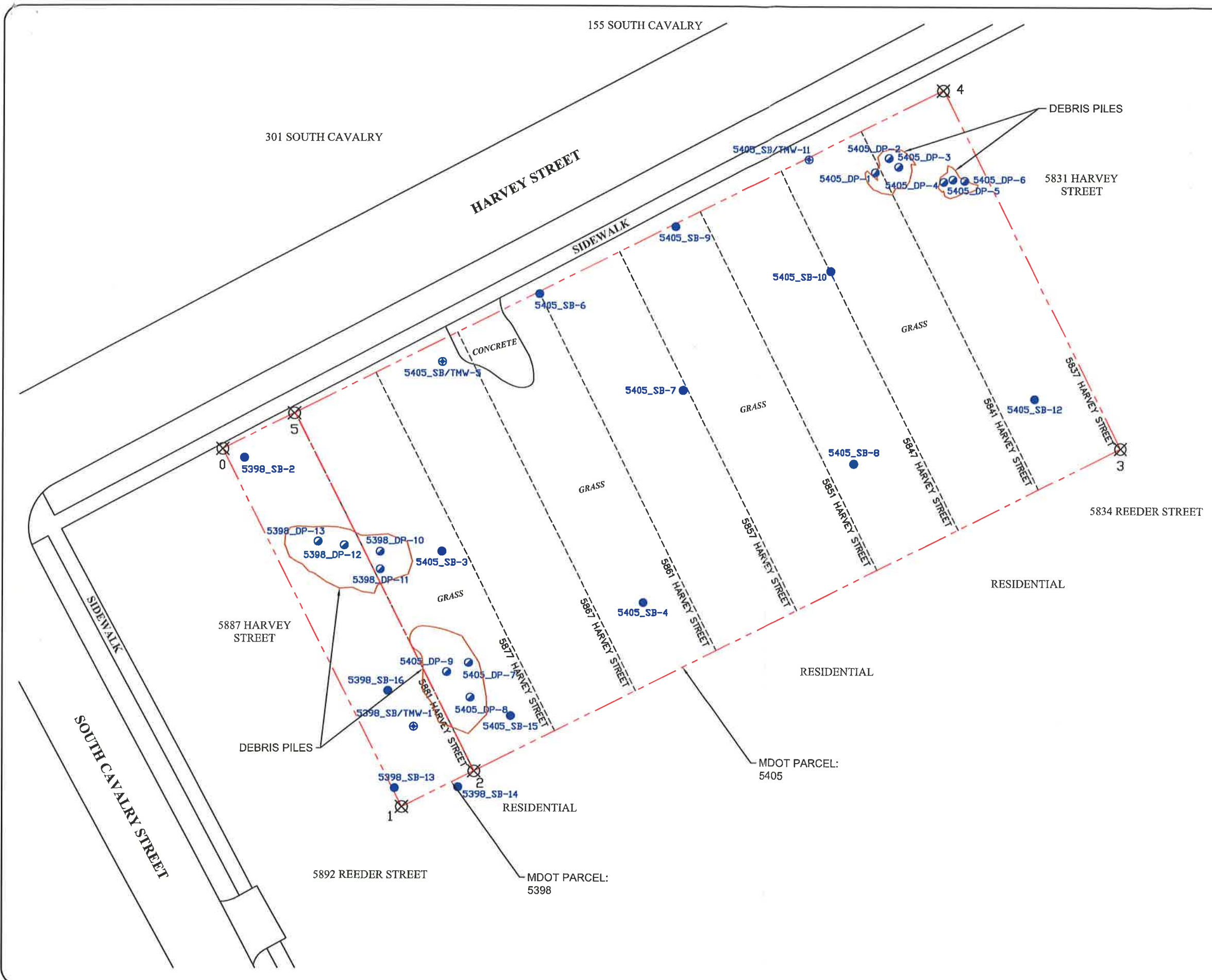
TABLE 1

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"
Fluoranthene	206-44-0	6,500	5405_SB-08_0-2_S_PM_20151113	Soil	30 feet	Unknown	-	-	-
Phenanthrene	85-01-8	5,900	5405_SB-08_0-2_S_PM_20151113	Soil	30 feet	Unknown	-	-	-
Arsenic	7440-38-2	46,000	5405_SB-11_0-2_S_PM_20151113	Soil	0 feet	Unknown	-	-	-
Copper	7440-50-8	150,000	5405_SB-08_0-2_S_PM_20151113	Soil	30 feet	Unknown	-	-	-
Mercury	7439-97-6	490	5398_SB-01_0-2_S_PM_20151112	Soil	15 feet	Unknown	-	-	-
Selenium	7782-49-2	1,700	5398_SB-01_0-2_S_PM_20151112	Soil	15 feet	Unknown	-	-	-
Zinc	7440-66-6	790,000	5405_SB-10_0-2_S_PM_20151113	Soil	15 feet	Unknown	-	-	-
Total PCBs	1336-36-3	5,200	5398_SB-01_0-2_S_PM_20151112	Soil	15 feet	Unknown	-	-	-
Arsenic	7440-38-2	12	5405_SB-11_5-10_GW_PM_20151113	Groundwater	0 feet	Unknown	-	-	-
Copper	7440-50-8	10	5405_SB-11_5-10_GW_PM_20151113	Groundwater	0 feet	Unknown	-	-	-
Lead	7439-92-1	8.0	5405_SB-11_5-10_GW_PM_20151113	Groundwater	0 feet	Unknown	-	-	-

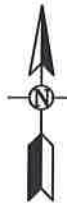
Total Number of Samples Collected: 35 soil, 4 groundwater

Total Number of Samples Exceeding Criteria: 12 soil, 1 groundwater



COORDINATE SYSTEM: UTM ZONE 17

#	X-COORDINATE	Y-COORDINATE
0	1073505.68438	15372890.4524
1	1073561.62041	15372778.7930
2	1073563.93996	15372790.0377
3	1073784.81496	15372891.2428
4	1073728.87336	15373002.9137
5	1073528.00328	15372901.6985
5398_SB-01	1073563.4680	15372802.3170
5398_SB-02	1073514.2420	15372894.5510
5405_SB-03	1073573.8370	15372855.4320
5405_SB-04	1073634.5820	15372837.6380
5405_SB-05	1073575.8790	15372913.2780
5405_SB-06	1073603.9480	15372936.8250
5405_SB-07	1073648.9280	15372902.0160
5405_SB-08	1073700.4680	15372877.6010
5405_SB-09	1073644.6180	15372960.3210
5405_SB-10	1073695.2860	15372936.6650
5405_SB-11	1073685.8930	15372979.3070
5405_SB-12	1073756.3590	15372895.4150
5398_SB-13	1073555.613	15372784.208
5398_SB-14	1073575.248	15372784.127
5405_SB-15	1073591.930	15372806.078
5398_SB-16	1073554.020	15372814.629
5405_DP-01	1073704.7890	15372979.3870
5045_DP-02	1073709.1140	15372983.5930
5405_DP-03	1073711.9650	15372980.8330
5405_DP-04	1073725.4900	15372975.7140
5405_DP-05	1073728.3120	15372976.3170
5405_DP-06	1073731.9270	15372975.8240
5405_DP-07	1073580.7360	15372821.1870
5405_DP-08	1073580.8830	15372810.5850
5405_DP-09	1073576.9470	15372820.9000
5398_DP-11	1073554.9350	15372850.7710
5398_DP-10	1073555.1000	15372856.1610
5398_DP-12	1073544.3430	15372858.4940
5398_DP-13	1073536.4860	15372859.9390



LEGEND:

- SUBJECT PROPERTY
- PARCEL / LOT BOUNDARIES
- SOIL BORING
- ⊕ SOIL BORING / TEMPORARY MONITORING WELL
- ⊙ DEBRIS PILE SAMPLE

FIGURE 2
SOIL BORING/TEMPORARY MONITORING WELL AND DEBRIS PILE SAMPLE LOCATION MAP WITH UTM ZONE 17 COORDINATE SYSTEM LOCATIONS

PROJ: PARCEL NO. 5398 AND 5405
5837-5881 HARVEY STREET
DETROIT, MI

THIS IS NOT A LEGAL SURVEY	DRN BY: CS/ES	DATE: 1/7/2016
VERIFY SCALE	CHKD BY: NL	SCALE: 1" = 30'
IF NOT 1" ON THIS SHEET, ADJUST SCALES ACCORDINGLY.		
FILE NAME: 01-7940-1-001F00R00		