



February 2, 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 194 S. Rademacher St. & 81 S. Waterman St, Detroit, MI, Tax ID 18007823 & 18008083 (MDOT Parcel 5448)  
And/or S. Rademacher St. Property, No Address or Tax ID, Detroit, MI (MDOT Parcel 5716)  
Potentially toward South Waterman right-of-way to the west, South Rademacher right-of-way to the east, Hesse Street  
right-of-way to the east, and/or railroad right-of-way to the north  
Notification No. 5448.5716-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 194 South Rademacher Street, 81 South Waterman Street, and an unplatted parcel adjoining South Rademacher Street in 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

TECHNICAL SKILL.  
CREATIVE SPIRIT.

RECEIVED FEB - 7 2018

5448.5716.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](http://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](http://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: Status relative to the property:  
(Check one or both, as applicable.)

Name: MI Dept. of Transportation (MDOT) Parcels 5448 & 5716 Owner   
Address: MDOT Parcel 5448: 194 S. Rademacher St. & 81 S. Waterman St. Operator   
Address: MDOT Parcel 5716: No Address

Location: Michigan  
City/County: Detroit/Wayne  
Property Tax Identification Number, or if applicable, the ward and item number:  
MDOT Parcel 5448: 18007823 & 18008083; MDOT Parcel 5716: No Tax ID

Latitude (decimal degrees): 42.302415 °N Longitude (decimal degrees): -83.105863 °W  
Reference Point for Latitude and Longitude:  
Center of Site:  Main/front door:  Front gate/main entrance:  Other:   
Collection Method: Survey:  Interpolation:  GPS:



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

GHIB MDOT Parcels 5448 & 5716; 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: 6701 W. Fort St. Notified? No  Yes  Date: February 2, 2018  
City/State: Detroit, MI  
Property Tax ID number: 18000411-4  
Other: Sakthi Automotive Group USA, Inc.

Address: 150 Rademacher St. Notified? No  Yes  Date: February 2, 2018  
City/State: Detroit, MI  
Property Tax ID number: 18000326-35  
Other: Sakthi Automotive Group USA, Inc.

Address: 6451 W. Fort St. Notified? No  Yes  Date: February 2, 2018  
City/State: Detroit, MI  
Property Tax ID number: 18000388-402  
Other: Sakthi Automotive Group USA, Inc.

Address: 274 S. Waterman St. Notified? No  Yes  Date: February 2, 2018  
City/State: Detroit, MI  
Property Tax ID number: 1800023600  
Other: Lafayette Properties, LLC

Address: 155 S. Waterman St. Notified? No  Yes  Date: February 2, 2018  
City/State: Detroit, MI  
Property Tax ID number: 18008082  
Other: UR Properties LLC



Address: Unknown – an approximately 60' wide strip of land immediately north of the subject properties, occupied by active Norfolk Southern railroad tracks  
City/State: Detroit, MI  
Property Tax ID number: Unavailable  
Other: Norfolk Southern Corp.      Notified? No  Yes  Date: February 2, 2018

Address: Unknown – an approximately 50' wide strip of land north of 274 S. Waterman St./1800023600; south of active Norfolk Southern railroad tracks  
City/State: Detroit, MI  
Property Tax ID number: Unavailable  
Other: MDOT Parcel 5715      Notified? No  Yes  Date: February 2, 2018

Address: 200 S. Rademacher St.  
City/State: Detroit, MI  
Property Tax ID number: 18007824  
Other: MDOT Parcel 5447      Notified? No  Yes  Date: February 2, 2018

Address: 570 Rademacher St.  
City/State: Detroit, MI  
Property Tax ID number: 18007825-6  
Other: MDOT Parcel 5411      Notified? No  Yes  Date: February 2, 2018

Address: 276 Reid St.  
City/State: Detroit, MI  
Property Tax ID number: 18007545  
Other: MDOT Parcel 5449      Notified? No  Yes  Date: February 2, 2018

Address: 282 Reid St.  
City/State: Detroit, MI  
Property Tax ID number: 18007546-58  
Other: MDOT Parcel 5415      Notified? No  Yes  Date: February 2, 2018

Address: 100 S. Crawford St.  
City/State: Detroit, MI  
Property Tax ID number: 18007500  
Other: MDOT Parcel 5450      Notified? No  Yes  Date: February 2, 2018

Address: 3245 E. Jefferson Avenue, Ste. 100  
City/State: Detroit, MI, 48207  
Property Tax ID number: NA  
Other: Detroit Health Dept. – via email      Notified? No  Yes  Date: February 2, 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: February 2, 2018

Address: 2 Woodward Avenue, Ste. 611  
City/State: Detroit, MI, 48226  
Property Tax ID number: NA  
Other: City of Detroit (Waterman Street, Rademacher Street, and Hesse Street adjacent to subject properties)      Notified? No  Yes  Date: February 2, 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: February 2, 2018

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: February 2, 2018

Address: 12775 Lydon Street  
City/State: Detroit, MI, 48227  
Property Tax ID number: NA  
Other: Comcast/Xfinity (utility holder)  
Notified? No  Yes  Date: February 2, 2018

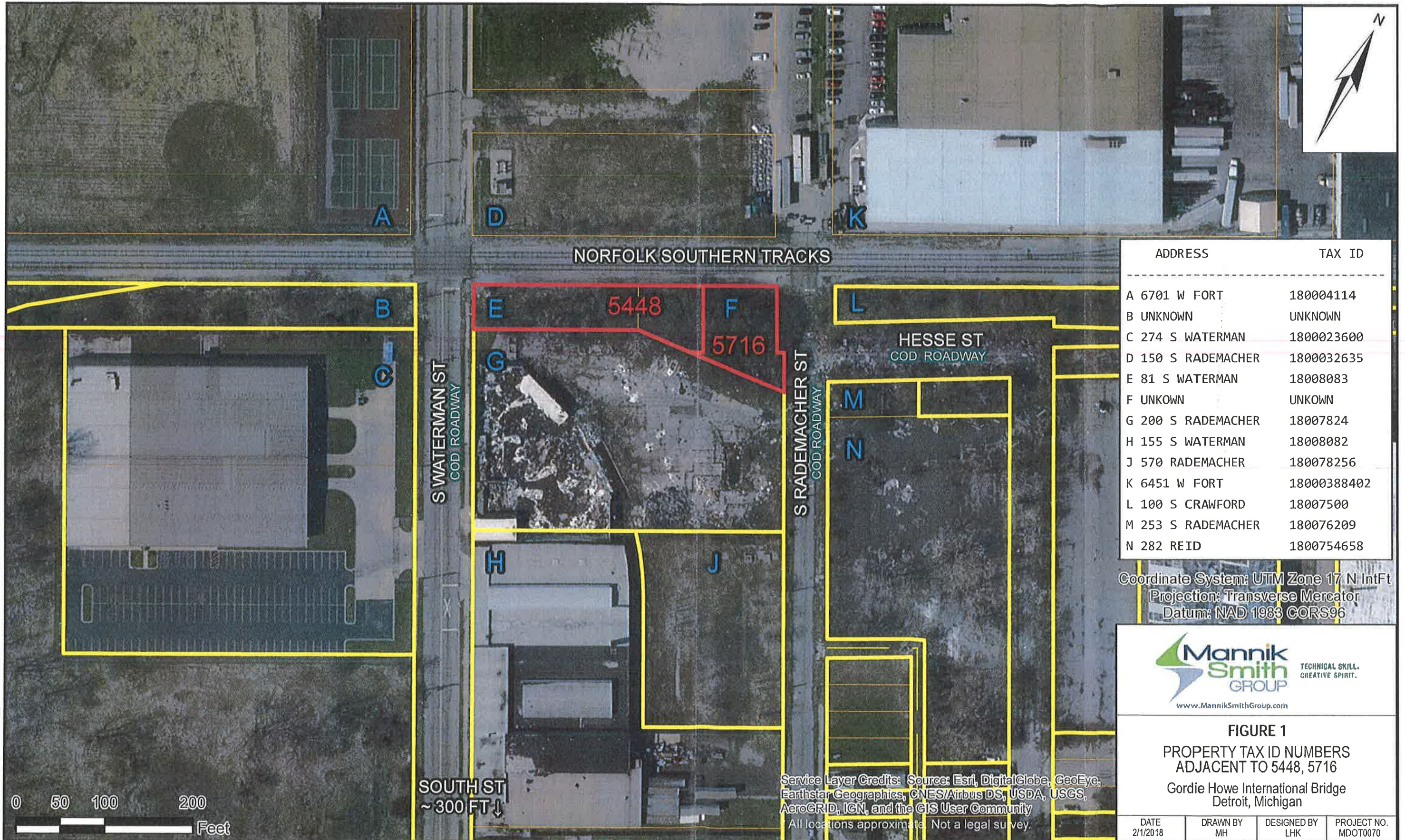
Address: 208 S. Akard Street  
City/State: Dallas, TX, 75202  
Property Tax ID number: NA  
Other: AT&T Headquarters (utility holder)  
Notified? No  Yes  Date: February 2, 2018

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: February 2, 2018

Address: 6425 Huber Street  
City/State: Detroit, MI, 48211  
Property Tax ID number: NA  
Other: Detroit Water & Sewerage Department (utility holder) – via email  
Notified? No  Yes  Date: February 2, 2018

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

# MAP OF PROPERTY TAX ID NUMBERS



Date Saved: 1/30/2018 10:08:39 AM  
Path: S:\Projects\Project K-OMDOT0070\ENGAPP\GIS\Map\_Files\Notification Maps\5448\_5716\_TaxID\_Map.mxd



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 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 Date February 2, 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 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 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 concentrated 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**



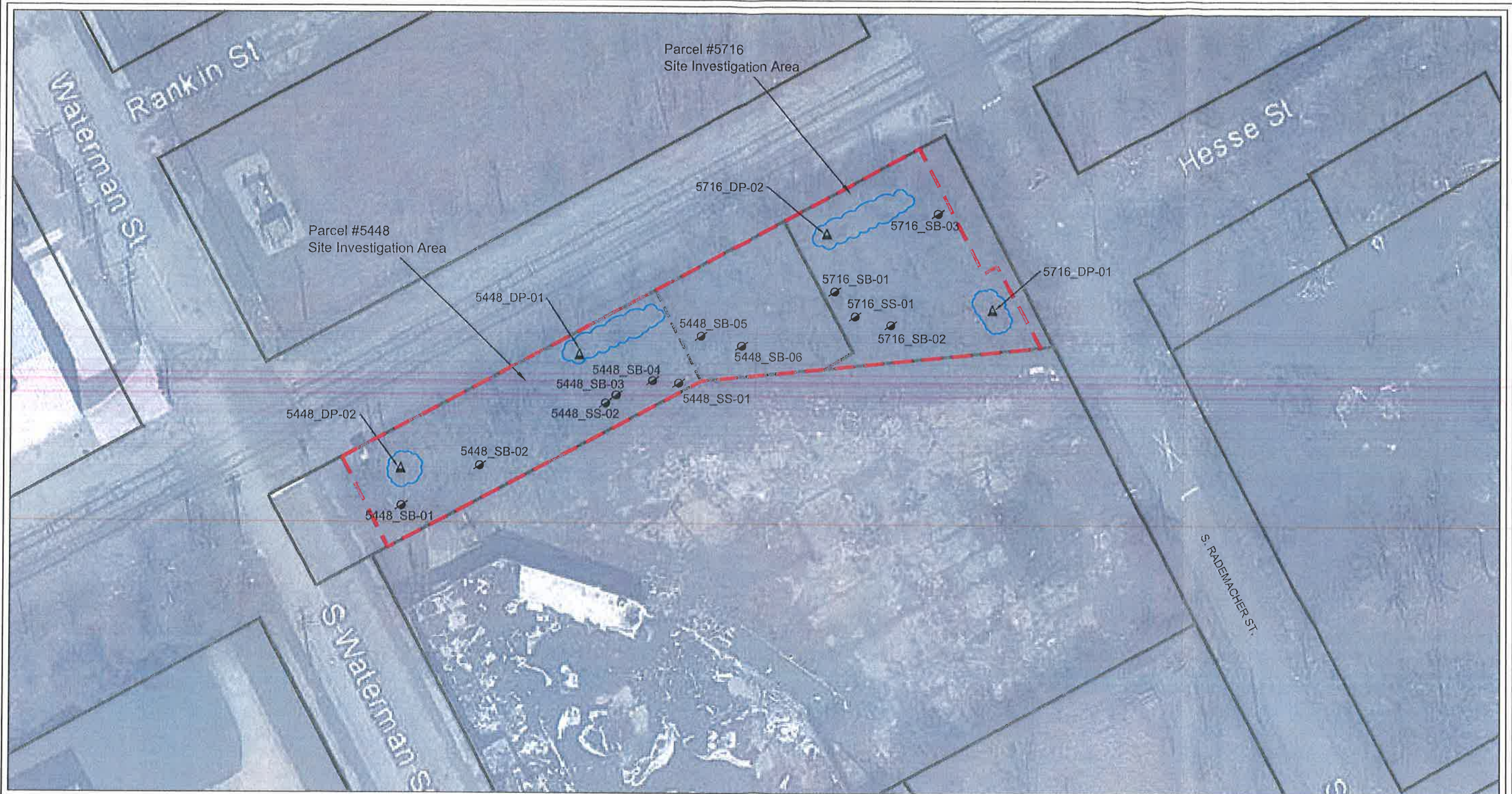
TABLE 1

## 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"
Tetrachloroethylene	127-18-4	490	5448_SB-03_4-5_S_SUP_20170830	Soil	15 feet	Unknown	-	-	-
Benzo(a)pyrene	50-32-8	5,300	5716_SS-01_0-5_S_SUP_20170830	Soil	25 feet	Unknown	-	-	-
Fluoranthene	206-44-0	7,200	5716_SS-01_0-5_S_SUP_20170830	Soil	25 feet	Unknown	-	-	-
Arsenic	7440-38-2	230,000	5448_SS-01_0-5_S_SUP_20170830	Soil	5 feet	Unknown	-	-	-
Cadmium	7440-43-9	7,100	5448_SS-02_0-5_S_SUP_20170830	Soil	15 feet	Unknown	-	-	-
Chromium (Total)	7440-47-3	79,000	5448_SS-02_0-5_S_SUP_20170830	Soil	15 feet	Unknown	-	-	-
Copper	7440-50-8	170,000	5448_SS-02_0-5_S_SUP_20170830	Soil	15 feet	Unknown	-	-	-
Lead - Total (calculated)	7439-92-1	480,000	5448_SS-02_0-5_S_SUP_20170830	Soil	15 feet	Unknown	-	-	-
Lead - Coarse Fraction	7439-92-1	660,000	5448_SB-02_1-2_S_SUP_20170830	Soil	15 feet	Unknown	-	-	-
Selenium	7782-49-2	4,600	5448_SS-02_0-5_S_SUP_20170830	Soil	15 feet	Unknown	-	-	-
Zinc	7440-66-6	810,000	5448_SS-02_0-5_S_SUP_20170830	Soil	15 feet	Unknown	-	-	-
Benzo(b)fluoranthene	205-99-2	22,000	5448_DP-02_0-5_S_SUP_20170830	Debris Pile	20 feet	Unknown	-	-	-
Benzo(a)pyrene	50-32-8	15,000	5448_DP-02_0-5_S_SUP_20170830	Debris Pile	20 feet	Unknown	-	-	-
Carbazole	86-74-8	1,800	5448_DP-02_0-5_S_SUP_20170830	Debris Pile	20 feet	Unknown	-	-	-
Dibenzo(a,h)anthracene	53-70-3	3,000	5448_DP-02_0-5_S_SUP_20170830	Debris Pile	20 feet	Unknown	-	-	-
Fluoranthene	206-44-0	33,000	5448_DP-02_0-5_S_SUP_20170830	Debris Pile	20 feet	Unknown	-	-	-
Phenanthrene	85-01-8	15,000	5448_DP-02_0-5_S_SUP_20170830	Debris Pile	20 feet	Unknown	-	-	-
Arsenic	7440-38-2	100,000	5448_DP-02_0-5_S_SUP_20170830	Debris Pile	20 feet	Unknown	-	-	-
Cadmium	7440-43-9	7,600	5716_DP-01_0-5_S_SUP_20170830	Debris Pile	15 feet	Unknown	-	-	-
Chromium (Total)	7440-47-3	68,000	5716_DP-01_0-5_S_SUP_20170830	Debris Pile	15 feet	Unknown	-	-	-
Copper	7440-50-8	190,000	5716_DP-01_0-5_S_SUP_20170830	Debris Pile	15 feet	Unknown	-	-	-
Lead - Total (calculated)	7439-92-1	550,000	5448_DP-02_0-5_S_SUP_20170830	Debris Pile	20 feet	Unknown	-	-	-
Lead - Fine Fraction	7439-92-1	480,000	5716_DP-01_0-5_S_SUP_20170830	Debris Pile	15 feet	Unknown	-	-	-
Lead - Coarse Fraction	7439-92-1	710,000	5448_DP-02_0-5_S_SUP_20170830	Debris Pile	20 feet	Unknown	-	-	-
Selenium	7782-49-2	3,700	5448_DP-01_0-5_S_SUP_20170830	Debris Pile	10 feet	Unknown	-	-	-
Zinc	7440-66-6	790,000	5448_DP-01_0-5_S_SUP_20170830	Debris Pile	10 feet	Unknown	-	-	-
cis-1,2-Dichloroethene	156-59-2	120	5448_SB-03_5-10_W_SUP_20170830	Groundwater	15 feet	Unknown	-	-	-
Arsenic	7440-38-2	20	5448_SB-03_5-10_W_SUP_20170830	Groundwater	15 feet	Unknown	-	-	-
Lead	7439-92-1	11	5448_SB-03_5-10_W_SUP_20170830	Groundwater	15 feet	Unknown	-	-	-




Total Number of Samples Collected: 23 soil, 4 debris pile, 4 groundwater


Total Number of Samples Exceeding Criteria: 23 soil, 4 debris pile, 2 groundwater



**Superior**  
ENVIRONMENTAL CORP  
Prepared By:  
Superior Environmental Corp  
1128 Franklin Street  
Marne, MI 49435  
(616) 667-4000  
www.superiorenvironmental.com

**LEGEND**

-  Soil Boring (SB) or Surface Soil (SS) Sample Location
-  Debris Pile Sample
-  Approximate Area of Debris Piles

 Estimated Extent of Soil Impact above Residential and Non Residential Generic Cleanup Criteria to 9+ feet bgs, and Groundwater Impact above Residential and Non-Residential Generic Cleanup criteria (4-9 feet bgs)



<b>SOIL &amp; GROUNDWATER MAP OF IMPACTS GORDIE HOWE INTERNATIONAL BRIDGE MDOT PARCEL #5448 &amp; #5716 194 S. RADEMACHER ST. / 81 S. WATERMAN ST. &amp; S. RADEMACHER ST. PROPERTY, NO ADDRESS DETROIT, MICHIGAN</b>		
PROJECT NO: BC3876-SD T22/T38	CREATED BY: D.LANCASTER	APPROVED BY: GREG HILTY
FILE: P:\BC3876.00\CAD\T22-T38\BC3876SD	DATE: 12/6/17	FIGURE: 2