



January 17, 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 6155 W. Fort Street, Detroit, MI, Tax ID 16000282 (MDOT Parcel 5676); 6131 W. Fort Street, 322, 328, 360, 366
Dragoon Street, 323, 329 Military Street, Detroit, MI, Tax IDs 16000281, 16016688-9, 16016692-3, 16016491-2
(MDOT Parcel 5679); and/or a vacated alley abutting the rear lines of 322, 328 Dragoon Street and 317, 323, 329
Military Street (no address or Tax ID), Detroit, MI (MDOT Parcel 5719)
Potentially toward West Fort Street right-of-way to the north, Dragoon Street right-of-way to the west, Military Street
right-of-way to the east, alley right-of-way to the east, and/or vacated alley easement (MDOT Parcel 5719)
Notification No. 5676.5679.5719-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 6131, 6155 West Fort Street; 322, 328, 360, 366 Dragoon Street; 323, 329 Military Street; and a vacated alley abutting the rear lines of 322, 328 Dragoon Street and 317, 323, 329 Military Street in Detroit, Michigan ("the Sites") in relation to the Gordie Howe International Bridge project underway in the vicinity of the right-of-ways and easement 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 Sites 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 Sites. Also, the identification of hazardous substance(s) at the Sites 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 Sites.

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.

5676.5679.5719.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: | 2. Status relative to the property:
(Check one or both, as applicable.) |
|--|--|

Name: MI Dept. of Transportation (MDOT) Parcel 5679	Owner <input checked="" type="checkbox"/>
Address: 6131 W. Fort St.; 322, 328, 360, 366 Dragoon St.; 323, 329 Military St.	Operator <input type="checkbox"/>
Location: Michigan	
City/County: Detroit/Wayne	
Property Tax Identification Number, or if applicable, the ward and item number: 16000281; 16016688-9; 16016692-3; 16016491-2	

Latitude (decimal degrees): 42.306735 °N Longitude (decimal degrees): 83.101283 °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 Parcel 5679; 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: 335, 341 Military Street
City/State: Detroit, MI
Property Tax ID number: 16016489-90
Other: Crown Enterprises, Inc., c/o Ronald E. Reynolds of The Murray Law Group, 31780 Telegraph Road, Ste. 200, Bingham Farms, MI, 48025
Notified? No Yes Date: January 17, 2018

Address: 6101 W. Fort Street & 359 Military Street
City/State: Detroit, MI
Property Tax ID number: 16000278-80 & 16016486-8
Other: MDOT Parcel 5680_COMB (MDOT Parcels 5680 & 5681)
Notified? No Yes Date: January 17, 2018

Address: 6155 W. Fort Street
City/State: Detroit, MI
Property Tax ID number: 16000282
Other: MDOT Parcel 5676
Notified? No Yes Date: January 17, 2018

Address: 350 Dragoon Street
City/State: Detroit, MI
Property Tax ID number: 16016691
Other: MDOT Parcel 5677
Notified? No Yes Date: January 17, 2018

Address: 340 Dragoon Street
City/State: Detroit, MI
Property Tax ID number: 16016690
Other: MDOT Parcel 5678
Notified? No Yes Date: January 17, 2018



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
REMEDIATION AND REDEVELOPMENT DIVISION

Address: 317 Military Street
City/State: Detroit, MI
Property Tax ID number: 16016493
Other: MDOT Parcel 5690
Notified? No Yes Date: January 17, 2018

Address: No address (vacated alley abutting the rear lines of 322, 328 Dragoon Street & 317, 323, 329 Military Street)
City/State: Detroit, MI
Property Tax ID number: No number (abuts 16016688-9 & 16016491-3)
Other: MDOT Parcel 5719
Notified? No Yes Date: January 17, 2018

Address: 111 Military Street
City/State: Detroit, MI
Property Tax ID number: 16016494-503
Other: MDOT Parcel 5691
Notified? No Yes Date: January 17, 2018

Address: 3245 E. Jefferson Avenue, Ste. 100
City/State: Detroit, MI, 48207
Property Tax ID number: NA
Other: Detroit Health Dept., Healthier Places Division
Attn: Scott Withington, Environmental Health & Food Safety Manager
Notified? No Yes Date: January 17, 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
Attn: Ms. Kristina Donaldson, District Supervisor
Notified? No Yes Date: January 17, 2018

Address: MDOT M-85 Right-of-Way
City/State: Detroit, MI
Property Tax ID number: NA
Other: West Fort Street (M-85) adjacent to 6131 W. Fort Street / 16000281, east of Dragoon Street & west of Military Street
Notified? No Yes Date: January 17, 2018

Address: 2 Woodward Avenue, Ste. 611
City/State: Detroit, MI, 48226
Property Tax ID number: NA
Other: City of Detroit (West Fort Street; Dragoon Street; Military Street; alley adjacent to 6131 W. Fort St. / 16000281; and vacated alley abutting the rear lot lines of 317, 323, 329 Military Street / 16016491-3 and 322, 328 Dragoon Street / 16016688-9)
Notified? No Yes Date: January 17, 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: January 17, 2018



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
REMEDIATION AND REDEVELOPMENT DIVISION

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: January 17, 2018

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

Notified? No Yes Date: January 17, 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: January 17, 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: January 17, 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: January 17, 2018

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

MAP OF PROPERTY TAX ID NUMBERS



Date Saved: 5/15/2017 1:04:56 PM
Path: S:\Projects\Project K-OMD0070\ENGAPP\GIS\Map_Files\Notification Maps\5679_Offsite_Property_Tax_ID.mxd

5679
 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 Walter J. Bolt Date January 17, 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"
Benzo(a)pyrene	50-32-8	14,000	5679_SB-14_4-5_S_SUP_20170307	Soil	25 feet	Unknown	-	-	-
Fluoranthene	206-44-0	40,000	5679_SB-14_4-5_S_SUP_20170307	Soil	25 feet	Unknown	-	-	-
Fluorene	86-73-7	6,000	5679_SB-14_4-5_S_SUP_20170307	Soil	25 feet	Unknown	-	-	-
Naphthalene	91-20-3	6,800	5679_SB-14_4-5_S_SUP_20170307	Soil	25 feet	Unknown	-	-	-
Phenanthrene	85-01-8	49,000	5679_SB-14_4-5_S_SUP_20170307	Soil	25 feet	Unknown	-	-	-
Arsenic	7440-38-2	21,000	5679_SB-10_1-2_S_SUP_20170306	Soil	15 feet	Unknown	-	-	-
Barium	7440-39-3	770,000	5679_SB-06_1-2_S_SUP_20170306	Soil	20 feet	Unknown	-	-	-
Chromium (Total)	7440-47-3	180,000	5679_SB-05_1-2_S_SUP_20170306	Soil	5 feet	Unknown	-	-	-
Chromium (Hexavalent)	18540-29-9	19,000	5679_SB-07_1-2_S_SUP_20170306	Soil	25 feet	Unknown	-	-	-
Copper	7440-50-8	170,000	5679_SB-10_1-2_S_SUP_20170306	Soil	15 feet	Unknown	-	-	-
Lead - Total (calculated)	7439-92-1	1,700,000	5679_SB-06_1-2_S_SUP_20170306	Soil	20 feet	Unknown	-	-	-
Lead - Fine Fraction	7439-92-1	1,900,000	5679_SB-06_1-2_S_SUP_20170306	Soil	20 feet	Unknown	-	-	-
Lead - Coarse Fraction	7439-92-1	1,600,000	5679_SB-06_1-2_S_SUP_20170306	Soil	20 feet	Unknown	-	-	-
Silver	7440-22-4	2,800	5679_SB-07_1-2_S_SUP_20170306	Soil	25 feet	Unknown	-	-	-
Zinc	7440-66-6	900,000	5679_SB-06_1-2_S_SUP_20170306	Soil	20 feet	Unknown	-	-	-
Benzo(a)pyrene	50-32-8	8,100	5679_DP-02_0-5_S_SUP_20170308	Debris pile	10 feet	Unknown	-	-	-
Fluoranthene	206-44-0	17,000	5679_DP-02_0-5_S_SUP_20170308	Debris pile	10 feet	Unknown	-	-	-
Phenanthrene	85-01-8	10,000	5679_DP-02_0-5_S_SUP_20170308	Debris pile	10 feet	Unknown	-	-	-
Arsenic	7440-38-2	16,000	5679_DP-04_0-5_S_SUP_20170308	Debris pile	10 feet	Unknown	-	-	-
Chromium (Total)	7440-47-3	190,000	5679_DP-03_0-5_S_SUP_20170308	Debris pile	20 feet	Unknown	-	-	-
Copper	7440-50-8	360,000	5679_DP-01_0-5_S_SUP_20170308	Debris pile	0 feet	Unknown	-	-	-
Mercury	7439-97-6	270	5679_DP-01_0-5_S_SUP_20170308	Debris pile	0 feet	Unknown	-	-	-
Silver	7440-22-4	1,200	5679_DP-05_0-5_S_SUP_20170308	Debris pile	10 feet	Unknown	-	-	-
Silver	7440-22-4	1,200	5679_DP-06_0-5_S_SUP_20170308	Debris pile	10 feet	Unknown	-	-	-
Zinc	7440-66-6	430,000	5679_DP-03_0-5_S_SUP_20170308	Debris pile	20 feet	Unknown	-	-	-

Total Number of Samples Collected: 34 soil, 7 debris pile, 2 groundwater

Total Number of Samples Exceeding Criteria: 14 soil, 7 debris pile, 0 groundwater



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

LEGEND
 ● Soil Boring Location
 ▲ Debris Pile Sample
 - - - - Area 1 - Estimated Extent of Soil Impact above Residential and Non Residential Generic Cleanup Criteria to 3'
 - - - - Area 2 - Estimated Extent of Soil Impact above Residential and Non Residential Generic Cleanup Criteria to 9'

0 80
 feet

SOIL MAP OF IMPACT
 GORDIE HOWE INTERNATIONAL BRIDGE
 MDOT PARCEL 5679
 322, 328, 360 & 366 DRAGON ST; 323 & 329 MILITARY AVE;
 6131 W FORT STREET
 DETROIT, MICHIGAN

PROJECT NO: BC3876-SD T35
 FILE: P:\BC3876.00\CAD\T35\BC3876SD

CREATED BY: D.LANCASTER
 APPROVED BY: GREG HILTY

DATE: 5/11/17
 FIGURE: 2

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.

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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) Parcel 5676 Owner
Address: 6155 West Fort Street Operator
Location: Michigan
City/County: Detroit/Wayne
Property Tax Identification Number, or if applicable, the ward and item number: 16000282

Latitude (decimal degrees): 42.306999 °N Longitude (decimal degrees): 83.101801 °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 Parcel 5676; 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: 360 & 366 Dragoon St. & 6131 W. Fort St. Notified? No Yes Date: January 17, 2018
City/State: Detroit, MI
Property Tax ID number: 16016692-3 & 16000281
Other: MDOT Parcel 5679

Address: 6205 W. Fort Street Notified? No Yes Date: January 17, 2018
City/State: Detroit, MI
Property Tax ID number: 16000283
Other: MDOT Parcel 5674

Address: 6201 Hussar St. Notified? No Yes Date: January 17, 2018
City/State: Detroit, MI
Property Tax ID number: 16016923-47
Other: MDOT Parcel 5675

Address: MDOT M-85 Right-of-Way Notified? No Yes Date: January 17, 2018
City/State: Detroit, MI
Property Tax ID number: NA
Other: W. Fort St. (M-85) adjacent to 6155 W. Fort St. / 16000282, east of Dragoon St. & west of Military St.

Address: 3245 E. Jefferson Avenue, Ste. 100 Notified? No Yes Date: January 17, 2018
City/State: Detroit, MI, 48207
Property Tax ID number: NA
Other: Detroit Health Dept., Healthier Places Division
Attn: Scott Withington, Environmental Health & Food Safety Manager



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
REMEDIATION AND REDEVELOPMENT DIVISION

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
Attn: Ms. Kristina Donaldson, District Supervisor
Notified? No Yes Date: January 17, 2018

Address: 2 Woodward Avenue, Ste. 611
City/State: Detroit, MI, 48226
Property Tax ID number: NA
Other: City of Detroit (West Fort St. & Dragoon St.
adjacent to 6155 West Fort St. / 16000282 & east-west
alley between Livernois Ave. and Dragoon St., south of
6205 West Fort St. / 16000283)
Notified? No Yes Date: January 17, 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: January 17, 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: January 17, 2018

Address: 12775 Lydon Street
City/State: Detroit, MI, 48227
Property Tax ID number: NA
Other: Comcast/Xfinity (utility holder)
Notified? No Yes Date: January 17, 2018

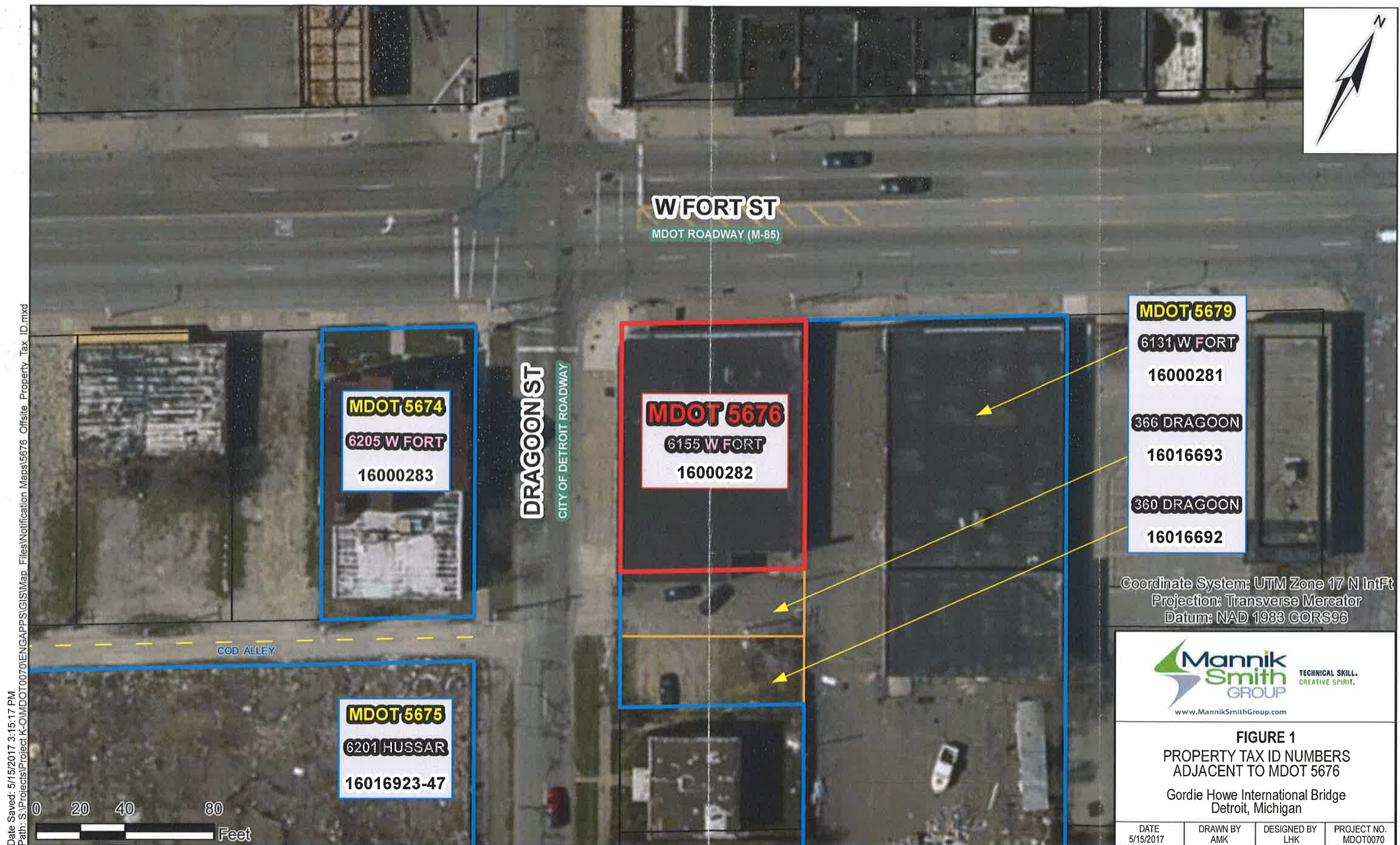
Address: 208 S. Akard Street
City/State: Dallas, TX, 75202
Property Tax ID number: NA
Other: AT&T Headquarters (utility holder)
Notified? No Yes Date: January 17, 2018

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: January 17, 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: January 17, 2018

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

MAP OF PROPERTY TAX ID NUMBERS



5676

Adjacent MDOT Parcel

Parcel Boundaries

MDOT Parcels



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 January 17, 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



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
REMEDIATION AND REDEVELOPMENT DIVISION

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.

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"
Arsenic	7440-38-2	48	5676_SB-05_3-8_GW_SUP_20170322	Groundwater	15 feet	Unknown			
Chromium	7440-47-3	49	5676_SB-05_3-8_GW_SUP_20170322	Groundwater	15 feet	Unknown			
Copper	7440-50-8	120	5676_SB-05_3-8_GW_SUP_20170322	Groundwater	15 feet	Unknown			
Lead	7439-92-1	120	5676_SB-05_3-8_GW_SUP_20170322	Groundwater	15 feet	Unknown			
Selenium	7782-49-2	8.2	5676_SB-05_3-8_GW_SUP_20170322	Groundwater	15 feet	Unknown			
Silver	7440-22-4	0.89	5676_SB-05_3-8_GW_SUP_20170322	Groundwater	15 feet	Unknown			
Zinc	7440-66-6	330	5676_SB-05_3-8_GW_SUP_20170322	Groundwater	15 feet	Unknown			

Total Number Samples Collected: 11 soil, 1 groundwater Total Number of Samples Exceeding Criteria: 0 soil, 1 groundwater

**A scaled map or drawing showing these locations and the property boundaries must be submitted with this Notice
PLEASE SEE ATTACHED FIGURE 2**



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

LEGEND

- Soil Boring Location
- OHD Overhead Door
- Estimated Extent of Groundwater Impact Above GNRCC (5.5' to 8')

0 30 feet

MAP OF IMPACT			
GORDIE HOWE INTERNATIONAL BRIDGE			
MDOT PARCEL 5676			
6155 W FORT ST			
DETROIT, MICHIGAN			
PROJECT NO:	BC3876-SC T34	CREATED BY:	D.LANCASTER
APPROVED BY:	GREG HILTY	DATE:	5/20/17
FIGURE:	2	FILE:	F:\BC3876.00\CAD\T34\BC3876SC



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/degducare, 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/degducare.

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 5719 Address: No address (vacated alley abutting the rear lines of 322, 328 Dragoon Street & 317, 323, 329 Military Street) Location: Michigan City/County: Detroit/Wayne Property Tax Identification Number, or if applicable, the ward and item number: No number (abuts 16016688-9 & 16016491-3)	Status relative to the property: (Check one or both, as applicable.) Owner <input checked="" type="checkbox"/> Operator <input type="checkbox"/>
Latitude (decimal degrees): 42.306529 °N Longitude (decimal degrees): -83.100901 °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 Parcel 5719; 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: 6131 W. Fort St.; 322, 328 Dragoon St.; 323, 329 Military St.
City/State: Detroit, MI
Property Tax ID number: 16000281; 16016688-9; 16016491-2
Other: MDOT Parcel 5679
Notified? No Yes Date: January 17, 2018

Address: 317 Military Street
City/State: Detroit, MI
Property Tax ID number: 16016493
Other: MDOT Parcel 5690
Notified? No Yes Date: January 17, 2018

Address: 111 Military Street
City/State: Detroit, MI
Property Tax ID number: 16016494-503
Other: MDOT Parcel 5691
Notified? No Yes Date: January 17, 2018

Address: 3245 E. Jefferson Avenue, Ste. 100
City/State: Detroit, MI, 48207
Property Tax ID number: NA
Other: Detroit Health Dept., Healthier Places Division
Attn: Scott Withington, Environmental Health & Food Safety Manager
Notified? No Yes Date: January 17, 2018



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
REMEDATION AND REDEVELOPMENT DIVISION

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
Attn: Ms. Kristina Donaldson, District Supervisor
Notified? No Yes Date: January 17, 2018

Address: 2 Woodward Avenue, Ste. 611
City/State: Detroit, MI, 48226
Property Tax ID number: NA
Other: City of Detroit (the subject property is a vacated
alley abutting the rear lot lines of 317, 323, 329 Military
Street / 16016491-3 & 322, 328 Dragoon Street /
16016688-9)
Notified? No Yes Date: January 17, 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: January 17, 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: January 17, 2018

Address: 12775 Lydon Street
City/State: Detroit, MI, 48227
Property Tax ID number: NA
Other: Comcast/Xfinity (utility holder)
Notified? No Yes Date: January 17, 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: January 17, 2018

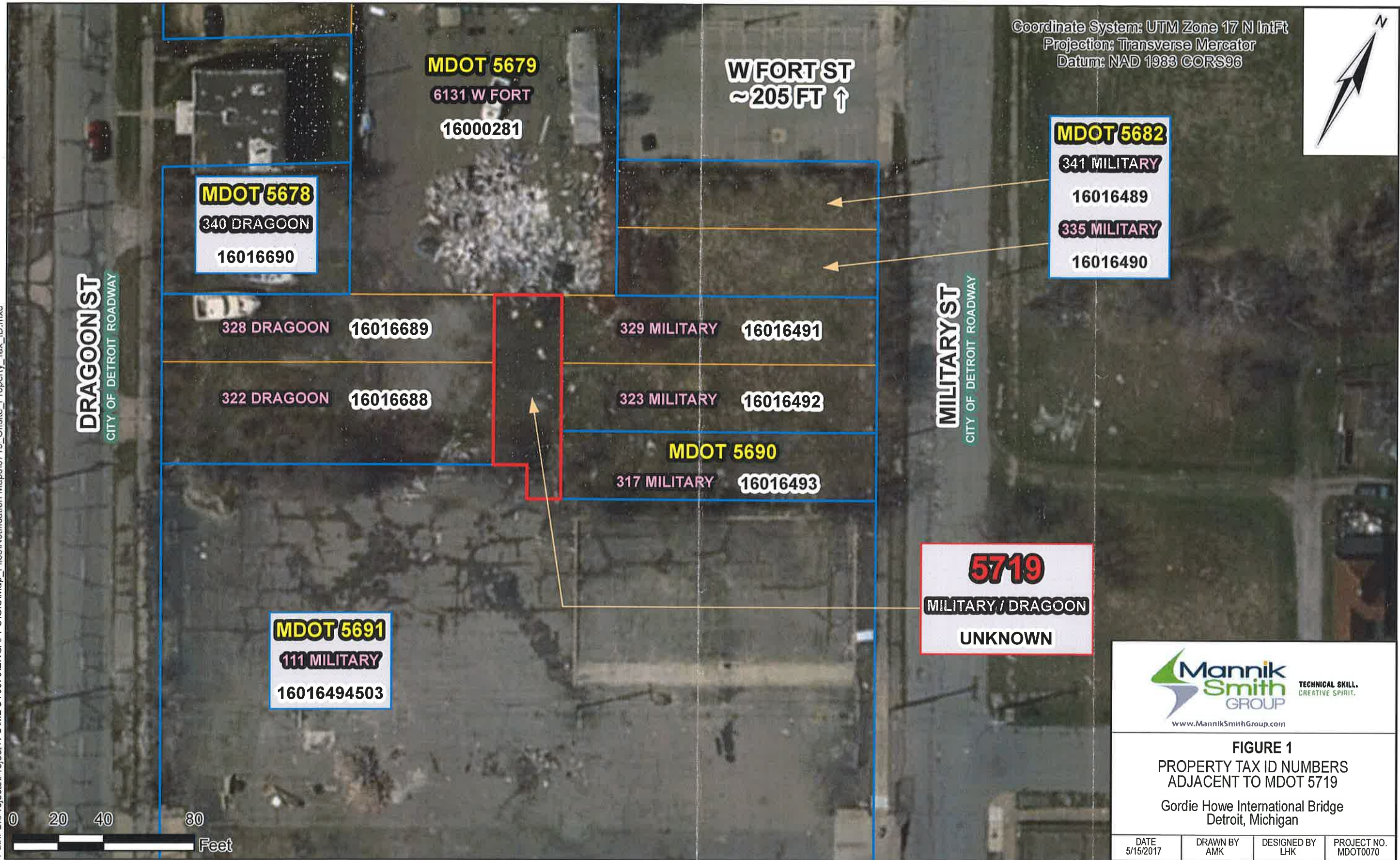
Address: One Energy Plaza, Ste. 1935
City/State: Detroit, MI, 48226
Property Tax ID number: NA
Other: Detroit Edison, DTE (utility holder)
Notified? No Yes Date: January 17, 2018

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: January 17, 2018

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

MAP OF PROPERTY TAX ID NUMBERS

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



Date Saved: 5/15/2017 1:32:17 PM
 Path: S:\Projects\Project K-OMDOT0070\ENGAPPS\GIS\Map_Files\Notification Maps\5719_Offsite_Property_Tax_ID.mxd





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 <i>December 21, 2002</i> ? (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 January 17, 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

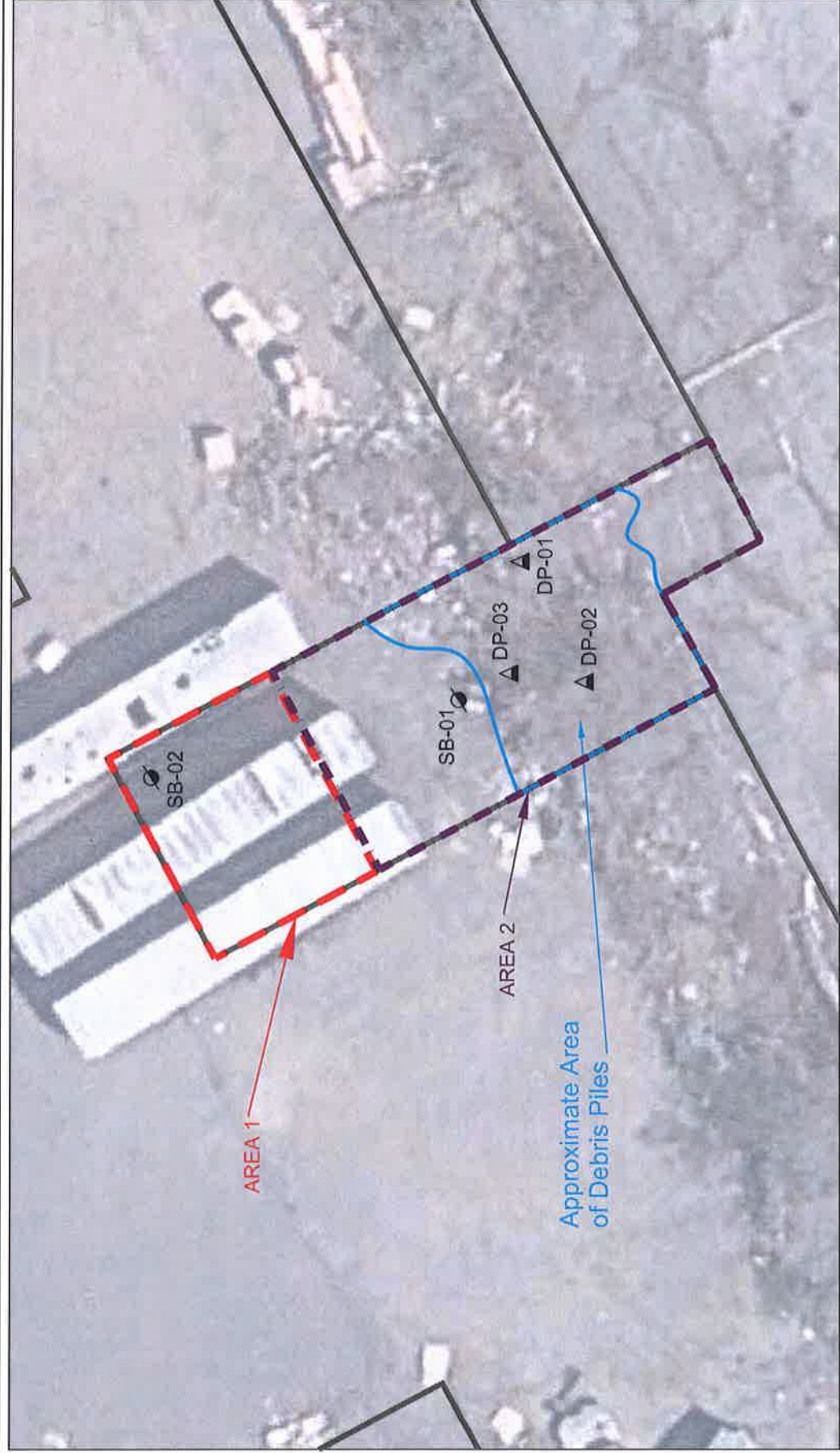
A	B	C	D	E	F	G	H	I	J
Hazardous Substance	CAS Number	Maximum Concentration	Sample Location for "C"	Environmental Medium for "C"	Distance to Property Boundary	Direction of Migration	Boundary Concentration	Sample Location for "H"	Environmental Medium for "H"
Arsenic	7440-38-2	26,000	5719_SB-01_1-2_S_SUP_20170307	Soil	15 feet	Unknown	-	-	-
Copper	7440-50-8	93,000	5719_SB-01_1-2_S_SUP_20170307	Soil	15 feet	Unknown	-	-	-
Lead - Total (calculated)	7439-92-1	410,000	5719_SB-01_1-2_S_SUP_20170307	Soil	15 feet	Unknown	-	-	-
Lead - Fine Fraction	7439-92-1	560,000	5719_SB-01_1-2_S_SUP_20170307	Soil	15 feet	Unknown	-	-	-
Selenium	7782-49-2	870	5719_SB-01_1-2_S_SUP_20170307	Soil	15 feet	Unknown	-	-	-
Zinc	7440-66-6	540,000	5719_SB-02_1-2_S_SUP_20170307	Soil	5 feet	Unknown	-	-	-
Benzo(a)pyrene	50-32-8	2,500	5719_DP-03_0-0.5_S_SUP_20170308	Debris pile	15 feet	Unknown	-	-	-
Phenanthrene	85-01-8	2,600	5719_DP-03_0-0.5_S_SUP_20170308	Debris pile	15 feet	Unknown	-	-	-
Arsenic	7440-38-2	21,000	5719_DP-01_0-0.5_S_SUP_20170308	Debris pile	5 feet	Unknown	-	-	-
Chromium (Total)	7440-47-3	26,000	5719_DP-01_0-0.5_S_SUP_20170308	Debris pile	5 feet	Unknown	-	-	-
Chromium (Hexavalent)	18540-29-9	20,000	5719_DP-03_0-0.5_S_SUP_20170308	Debris pile	15 feet	Unknown	-	-	-
Copper	7440-50-8	210,000	5719_DP-03_0-0.5_S_SUP_20170308	Debris pile	15 feet	Unknown	-	-	-
Silver	7440-22-4	2,100	5719_DP_DUP_S_SUP_20170308*	Debris pile	10 feet	Unknown	-	-	-
Zinc	7440-66-6	740,000	5719_DP-03_0-0.5_S_SUP_20170308	Debris pile	15 feet	Unknown	-	-	-

Total Number of Samples Collected: 6 soil, 4 debris pile

Total Number of Samples Exceeding Criteria: 3 soil, 4 debris pile

Footnote:

* Duplicate sample corresponding to 5719_DP-02_0-0.5_S_SUP_20170308



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

LEGEND

- Soil Boring Location
- ▲ Debris Pile Sample
- - - Area 1 - Estimated Extent of Soil Impact above Residential and Non Residential Generic Cleanup Criteria to 3'
- · - · - Area 2 - Estimated Extent of Soil Impact above Residential and Non Residential Generic Cleanup Criteria to 5'



SOIL MAP OF IMPACTS
 GORDIE HOWE INTERNATIONAL BRIDGE
 MDOT PARCEL 5719
 NO ADDRESS
 DETROIT, MICHIGAN

PROJECT NO: BC3876-SC T39	CREATED BY: D.LANCASTER	APPROVED BY: GREG HILTY
FILE: P:\BC3876.00\CAD\T39\BC3876SC	DATE: 5/20/17	FIGURE: 2