



December 15, 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 511 S. Dragoon Street, Detroit, MI, Tax ID 16016652 (MDOT Parcel 5355) and/or  
395 S. Dragoon Street, Detroit, MI, Tax ID 16016656 (MDOT Parcel 5358)  
Potentially toward S. Dragoon Street right-of-way to the west and/or alley right-of-way to the east  
Notification No. 5355.5358-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 511 and 395 S. Dragoon 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

TECHNICAL SKILL.  
CREATIVE SPIRIT.

5355.5358.Notice Cover Letter.DetroitDPW.docx

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

RECEIVED MAR 21 2018



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 5355 & 5358 Owner   
Address: 511 & 395 S. Dragoon Street Operator   
Location: Michigan  
City/County: Detroit/Wayne  
Property Tax Identification Number, or if applicable, the ward and item number: 16016652 & 16016656  
511 S. Dragoon St. / 16016652: Latitude: 42.302432 °N Longitude: -83.098349 °W  
395 S. Dragoon St. / 16016656: Latitude: 42.302689 °N Longitude: -83.098489 °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 5355, 5658; Part 213 Facility ID 00039168; 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: 521, 503, 501, 399, 391 S. Dragoon Street  
City/State: Detroit, MI  
Property Tax ID number: 160016651, 16016653-5, 16016657  
Other: Rye Gentry Trucking  
Notified? No  Yes  Date: December 15, 2017

Address: 391 S. Dragoon Street  
City/State: Detroit, MI  
Property Tax ID number: 160016657  
Other: MDOT Parcel 5359  
Notified? No  Yes  Date: December 15, 2017

Address: 2 Woodward Avenue, Ste. 611  
City/State: Detroit, MI, 48226  
Property Tax ID number: NA  
Other: City of Detroit (S. Dragoon Street and alley adjacent to 511 & 395 S. Dragoon St. / 16016652 & 16016656)  
Notified? No  Yes  Date: December 15, 2017

Address: 735 Randolph  
City/State: Detroit, MI, 48226  
Property Tax ID number: NA  
Other: Detroit Water & Sewerage Department (utility holder)  
Notified? No  Yes  Date: December 15, 2017

Address: One Energy Plaza, Ste. 1935  
City/State: Detroit, MI, 48226  
Property Tax ID number: NA  
Other: Detroit Edison, DTE (utility holder)  
Notified? No  Yes  Date: December 15, 2017



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY  
REMEDIATION AND REDEVELOPMENT DIVISION

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: December 15, 2017

Address: 735 Randolph Street, Ste. 1900  
City/State: Detroit, MI, 48226  
Property Tax ID number: NA  
Other: Great Lakes Water Authority (utility holder)  
Notified? No  Yes  Date: December 15, 2017

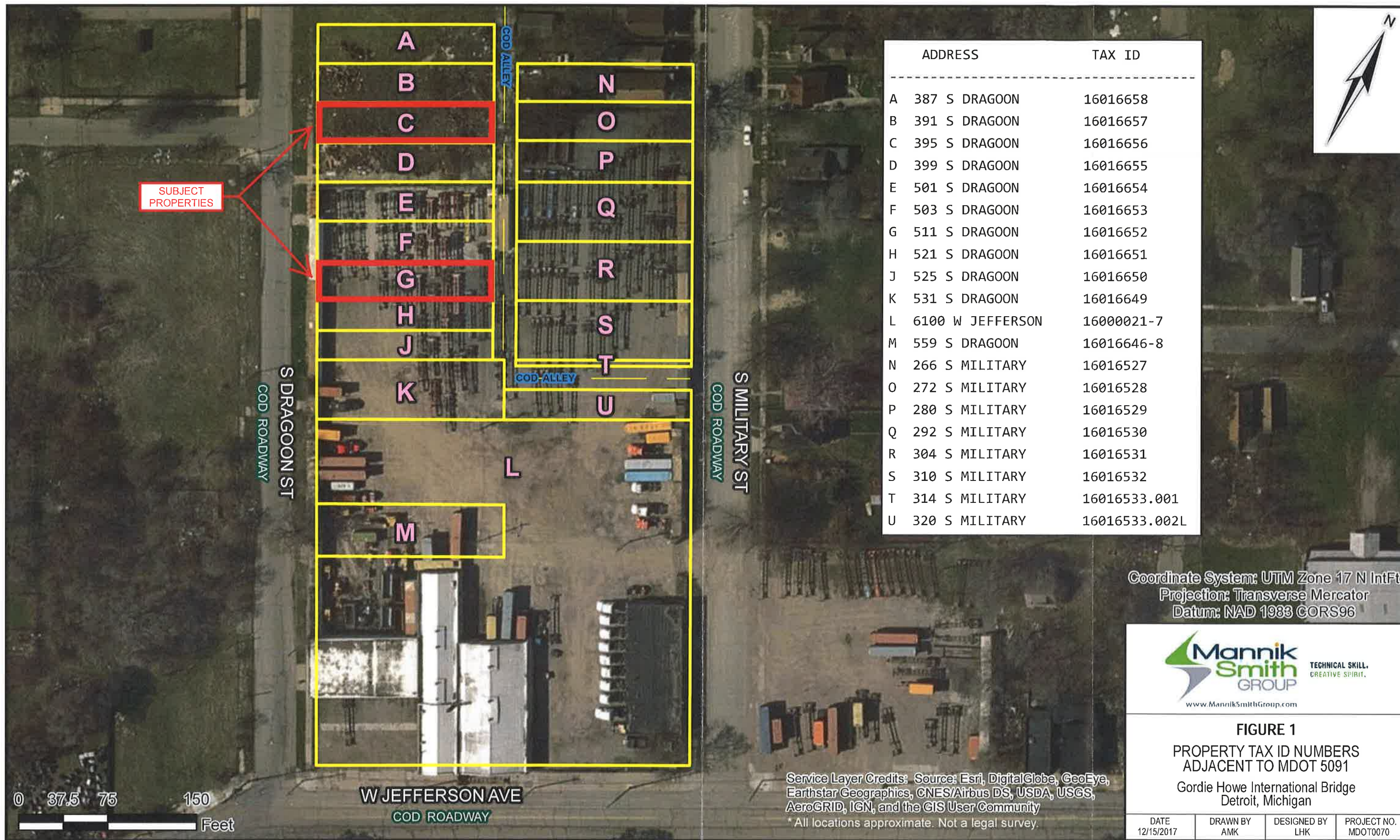
Address: 12775 Lydon Street  
City/State: Detroit, MI, 48227  
Property Tax ID number: NA  
Other: Comcast/Xfinity (utility holder)  
Notified? No  Yes  Date: December 15, 2017

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: December 15, 2017

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



# MAP OF PROPERTY TAX ID NUMBERS



	ADDRESS	TAX ID
A	387 S DRAGOON	16016658
B	391 S DRAGOON	16016657
C	395 S DRAGOON	16016656
D	399 S DRAGOON	16016655
E	501 S DRAGOON	16016654
F	503 S DRAGOON	16016653
G	511 S DRAGOON	16016652
H	521 S DRAGOON	16016651
J	525 S DRAGOON	16016650
K	531 S DRAGOON	16016649
L	6100 W JEFFERSON	16000021-7
M	559 S DRAGOON	16016646-8
N	266 S MILITARY	16016527
O	272 S MILITARY	16016528
P	280 S MILITARY	16016529
Q	292 S MILITARY	16016530
R	304 S MILITARY	16016531
S	310 S MILITARY	16016532
T	314 S MILITARY	16016533.001
U	320 S MILITARY	16016533.002L

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



**FIGURE 1**  
 PROPERTY TAX ID NUMBERS  
 ADJACENT TO MDOT 5091  
 Gordie Howe International Bridge  
 Detroit, Michigan

DATE 12/15/2017	DRAWN BY AMK	DESIGNED BY LHK	PROJECT NO. MDOT0070
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Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community  
 \* All locations approximate. Not a legal survey.

Date Saved: 12/15/2017 10:55:51 AM  
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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? | <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  
(Owner or person legally authorized to bind the person making this report)

Date 12/15/2017

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 H 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	2,700	5091_SB-17_0-2_S_SOM_20170814	Soil	0 feet	Unknown	-	-	-
Fluoranthene	206-44-0	8,300	5091_SB-17_0-2_S_SOM_20170814	Soil	0 feet	Unknown	-	-	-
Phenanthrene	85-01-8	8,200	5091_SB-17_0-2_S_SOM_20170814	Soil	0 feet	Unknown	-	-	-
Arsenic	7440-38-2	62,000	5091_SB-17_5-7_S_SOM_20170814	Soil	0 feet	Unknown	-	-	-
Cadmium	7440-43-9	3,200	5091_SB-17_5-7_S_SOM_20170814	Soil	0 feet	Unknown	-	-	-
Chromium (Total)	7440-47-3	32,000	5091_SB-17_0-2_S_SOM_20170814	Soil	0 feet	Unknown	-	-	-
Copper	7440-50-8	54,000	5091_SB-17_5-7_S_SOM_20170814	Soil	0 feet	Unknown	-	-	-
Selenium	7782-49-2	7,900	5091_SB-17_5-7_S_SOM_20170814	Soil	0 feet	Unknown	-	-	-
Zinc	7440-66-6	270,000	5091_SB-20_0-2_S_SOM_20170814	Soil	10 feet	Unknown	-	-	-

Total Number of Samples Collected: 4

Total Number of Samples Exceeding Criteria: 4



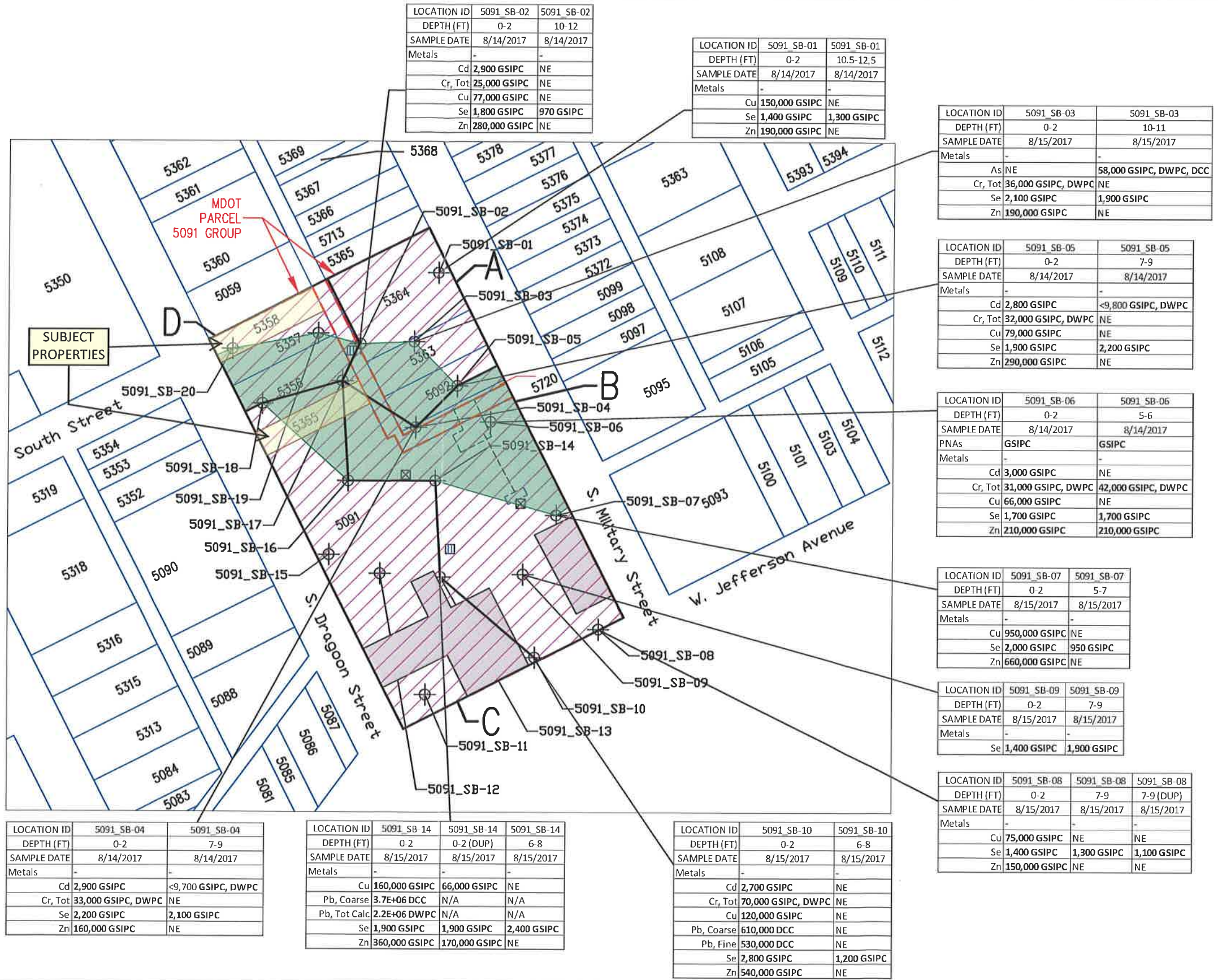
**LEGEND**

- SITE
- BORING LOCATION (2017 PSI)
- APPROXIMATE LIMITS OF EXISTING BUILDING(S)
- POLE-MOUNTED TRANSFORMER
- CATCH BASIN
- APPROXIMATE LIMITS OF FORMER DISPENSER ISLAND
- APPROXIMATE LIMITS OF FORMER UST REMOVAL EXCAVATION
- APPROXIMATE LIMITS OF FORMER PIPE
- ESTIMATED AREA OF IMPACT BY PNAs
- ESTIMATED AREA OF IMPACT BY METALS
- ZONES FOR VOLUME ESTIMATION

ACRONYMS	ABBREVIATIONS
DCC	Direct Contact Criteria
DWPC	Drinking Water Protection Criteria
GSIPC	Groundwater Surface Water Interface Protection Criteria
N/A	Not Available
NE	No Exceedance
PNA	Polynuclear Aromatic
As	Arsenic
Cd	Cadmium
Cr, Tot	Chromium, Total
Cu	Copper
Hg	Mercury
Pb, Coarse	Lead, Coarse Fraction
Pb, Fine	Lead, Fine Fraction
Pb, Tot Calc	Lead, Total Calculated
Se	Selenium
Zn	Zinc

**NOTES:**

- Concentrations are reported in micrograms per kilogram ( $\mu\text{g}/\text{kg}$ ).
- Refer to Table 1 and Table 5 of the PSI Report for a detailed summary of analytical data compared to residential GCC for the 2017 and 1996-97 investigations, respectively.
- 1997 LUST Closure Report: All samples were analyzed for BTEX and PNAs. BTEX and PNAs were either not detected or detected at levels that do not exceed residential GCC. Samples were collected from within the former UST system on-site.
- 2017 PSI: All samples were analyzed for VOCs, PNAs, and MI-10 metals. VOCs were either not detected or detected at levels that do not exceed residential GCC. Select samples were analyzed in select locations for PCBs and were not detected. All shallow samples were analyzed for asbestos. Asbestos was either not detected or detected at levels that do not exceed residential GCC.



**DRAWN BY:** W. TRAM  
**DATE DRAWN:** 09/14/2017  
**CHECKED BY:** M. CARRIERE  
**DATE CHECKED:** 09/18/2017



**Somat Engineering, Inc.**  
 3031 WEST GRAND BOULEVARD, SUITE 228  
 DETROIT, MI 48202  
 PHONE: (313) 963-2721  
 FAX: (313) 963-2736



PREPARED FOR:

**FIGURE 2**  
 SOIL RESIDENTIAL EXCEEDANCE MAP  
 PRELIMINARY SITE INVESTIGATION  
 PLAZA AREA MDOT PARCELS 5091/5092/5355/5356/5357/5358/5363/5364/5720  
 Multiple Addresses off S. Military Street, S. Dagoon Street, & W. Jefferson Avenue  
 Detroit Michigan