



February 8, 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 portions of 6201 Hussar Street, Detroit, MI, Tax ID 16016923-47 (MDOT 5675 Acquisition Parcels)
Potentially toward Livernois Avenue right-of-way to the west, Dragoon Street right-of-way to the east,
Alley right-of-way to the north, railroad right-of-way to the south,
And/or vacated Hussar Street easement and vacated alley easement within 6201 Hussar Street, Detroit, MI
Notification No. 5675-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 portions of 6201 Hussar Street, Detroit, Michigan ("the Acquisition Parcels") in relation to the Gordie Howe International Bridge project underway in the vicinity of the rights-of-way and easements 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 Acquisition Parcels 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 Acquisition Parcels. Also, the identification of hazardous substance(s) at the Acquisition Parcels 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 Acquisition Parcels.

Please review the enclosed document and if you have any questions regarding the Notice of Migration of Contamination please contact Karen Williams of the MDEQ at 586-753-3884. If you have general questions regarding the contents of this letter please contact Walter Bolt of MSG at 734-397-3100, extension 6025 or Jim Woodruff of the MDOT at 517-241-9115.

Sincerely,

Walter J. Bolt, CPG
Project Manager
Environmental Owners Representative Consultant
Gordie Howe International Bridge Project

CC: Jim Woodruff – MDOT
Karen Williams – MDEQ RRD Project Manager
Paul Max – General Manager, Environmental Affairs, City of Detroit BSEED
Anita Harrington – Environmental Specialist II, City of Detroit BSEED

RECEIVED FEB 15 2018

TECHNICAL SKILL.
CREATIVE SPIRIT.

5675.Notice Cover Letter.DetroitDPW.docx



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 5675; BEA 200503006LV; 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: (remainder of) 6201 Hussar Street
City/State: Detroit, MI
Property Tax ID number: (remainder of) 16016923-47
Other: Fort Street Business Park, LP
Notified? No Yes Date: February 8, 2018

Address: 203 Crawford Street
City/State: Detroit, MI
Property Tax ID number: 18007357-87
Other: Fort Street Business Park, LP
Notified? No Yes Date: February 8, 2018

Address: 6307 West Fort Street
City/State: Detroit, MI
Property Tax ID number: 18000336-81
Other: Fort Street Business Park II, LLC
Notified? No Yes Date: February 8, 2018

Address: 6249 West Fort Street
City/State: Detroit, MI
Property Tax ID number: 16000286.001
Other: DIB Detroit, LLC
Notified? No Yes Date: February 8, 2018

Address: Unknown – an approximately 60' wide strip of land immediately south of 6201 Hussar Street / 16016923-47, 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 8, 2018



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	Notified? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	Date: <u>February 8, 2018</u>
Address: 2 Woodward Avenue, Ste. 611 City/State: Detroit, MI, 48226 Property Tax ID number: NA Other: City of Detroit (Livernois Avenue, Dragoon Street, alley adjacent to, and vacated Hussar Street and alleys within 6201 Hussar Street / 16016923-47)	Notified? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	Date: <u>February 8, 2018</u>
Address: 27175 Energy Way City/State: Novi, MI, 48377 Property Tax ID number: NA Other: International Transmission Company (ITC) (utility holder)	Notified? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	Date: <u>February 8, 2018</u>
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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	Date: <u>February 8, 2018</u>
Address: 12775 Lydon Street City/State: Detroit, MI, 48227 Property Tax ID number: NA Other: Comcast/Xfinity (utility holder)	Notified? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	Date: <u>February 8, 2018</u>
Address: 208 S. Akard Street City/State: Dallas, TX, 75202 Property Tax ID number: NA Other: AT&T Headquarters (utility holder)	Notified? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	Date: <u>February 8, 2018</u>
Address: One Energy Plaza, Ste. 1935 City/State: Detroit, MI, 48226 Property Tax ID number: NA Other: Detroit Edison, DTE (utility holder)	Notified? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	Date: <u>February 8, 2018</u>
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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	Date: <u>February 8, 2018</u>
Address: 3245 E. Jefferson Avenue, Ste. 100 City/State: Detroit, MI, 48207 Property Tax ID number: NA Other: Detroit Health Department – via email	Notified? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	Date: <u>February 8, 2018</u>



The following surrounding parcels are owned by MDOT: Notified? No Yes Date: February 8, 2018

Address: 330 S. Livernois Ave.
City/State: Detroit, MI
Property Tax ID number: 18007213
Other: MDOT Parcel 5453

Address: 6217 W. Fort St.
City/State: Detroit, MI
Property Tax ID number: 16000284
Other: MDOT Parcel 5673

Address: 111, 121 S. Livernois Ave.
City/State: Detroit, MI
Property Tax ID number: 16016922.001, 16016922.002L
Other: MDOT Parcel 5454

Address: 6205 W. Fort St.
City/State: Detroit, MI
Property Tax ID number: 16000283
Other: MDOT Parcel 5674

Address: 115 S. Dragoon St.
City/State: Detroit, MI
Property Tax ID number: 16016679-87
Other: MDOT Parcel 5456

Address: 6155 W. Fort St.
City/State: Detroit, MI
Property Tax ID number: 16000282
Other: MDOT Parcel 5676

Address: 6257 W. Fort St.
City/State: Detroit, MI
Property Tax ID number: 16000288
Other: MDOT Parcel 5668

Address: 350 Dragoon St.
City/State: Detroit, MI
Property Tax ID number: 16016691
Other: MDOT Parcel 5677

Address: 6255 W. Fort St.
City/State: Detroit, MI
Property Tax ID number: 16000287
Other: MDOT Parcel 5669

Address: 340 Dragoon St.
City/State: Detroit, MI
Property Tax ID number: 16016690
Other: MDOT Parcel 5678

Address: 6253 W. Fort St.
City/State: Detroit, MI
Property Tax ID number: 16000286.002L
Other: MDOT Parcel 5670

Address: 322, 328, 360, 366 Dragoon St.
City/State: Detroit, MI
Property Tax ID number: 16016688-9, 16016692-3
Other: MDOT Parcel 5679

Address: 6221 W. Fort St.
City/State: Detroit, MI
Property Tax ID number: 16000285
Other: MDOT Parcel 5672

Address: 111 Military St.
City/State: Detroit, MI
Property Tax ID number: 16016494-503
Other: MDOT Parcel 5691

(Attach additional pages as needed) PLEASE SEE ATTACHED FIGURES 1 AND 2

MAP OF PROPERTY TAX ID NUMBERS

Date Saved: 10/17/2017 4:22:54 PM
Path: S:\Projects\Project K-OMDOT0070\ENGAPPS\GIS\Map_Files\Notification Maps\5675_TaxID_Landscape.mxd



	ADDRESS	TAX ID	MDOT PARCEL #
A	6307 W FORT	1800033681	OFFSITE
B	6257 W FORT	16000288	5668
C	6255 W FORT	16000287	5669
D	6253 W FORT	16000286.002L	5670
E	6249 W FORT	16000286.001L	5671
F	6221 W FORT	16000285	5672
G	6217 W FORT	16000284	5673
H	6205 W FORT	16000283	5674
I	203 CRAWFORD	1800735787	OFFSITE
J	6201 HUSSAR	16016923-47	5675
K	300 S LIVERNOIS	18007213	5453
L	121 S LIVERNOIS	16016922.001	5454
M	111 S LIVERNOIS	16016922.002L	5454
N	6155 W FORT	16000282	5676
O	366 DRAGON	16016693	5679
P	360 DRAGON	16016692	5679
Q	350 DRAGON	16016691	5677
R	340 DRAGON	16016690	5678
S	328 DRAGON	16016689	5679
T	322 DRAGON	16016688	5679
U	111 MILITARY	16016494-503	5691
V	115 S DRAGON	16016679-87	5456

* All locations approximate. Not a legal survey
 Coordinate System: UTM Zone 17 N IntFt
 Projection: Transverse Mercator
 Datum: NAD 1983 CORS96



FIGURE 1
 PROPERTY TAX ID NUMBERS
 ADJACENT TO MDOT 5675

Gordie Howe International Bridge
 Detroit, Michigan

DATE 10/17/2017	DRAWN BY AMK	DESIGNED BY LHK	PROJECT NO. MDOT0070
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- 5675
- ADJACENT MDOT PARCELS
- PARCEL BOUNDARIES
- OFFSITE PARCELS
- MDOT PARCELS

FIGURE 2

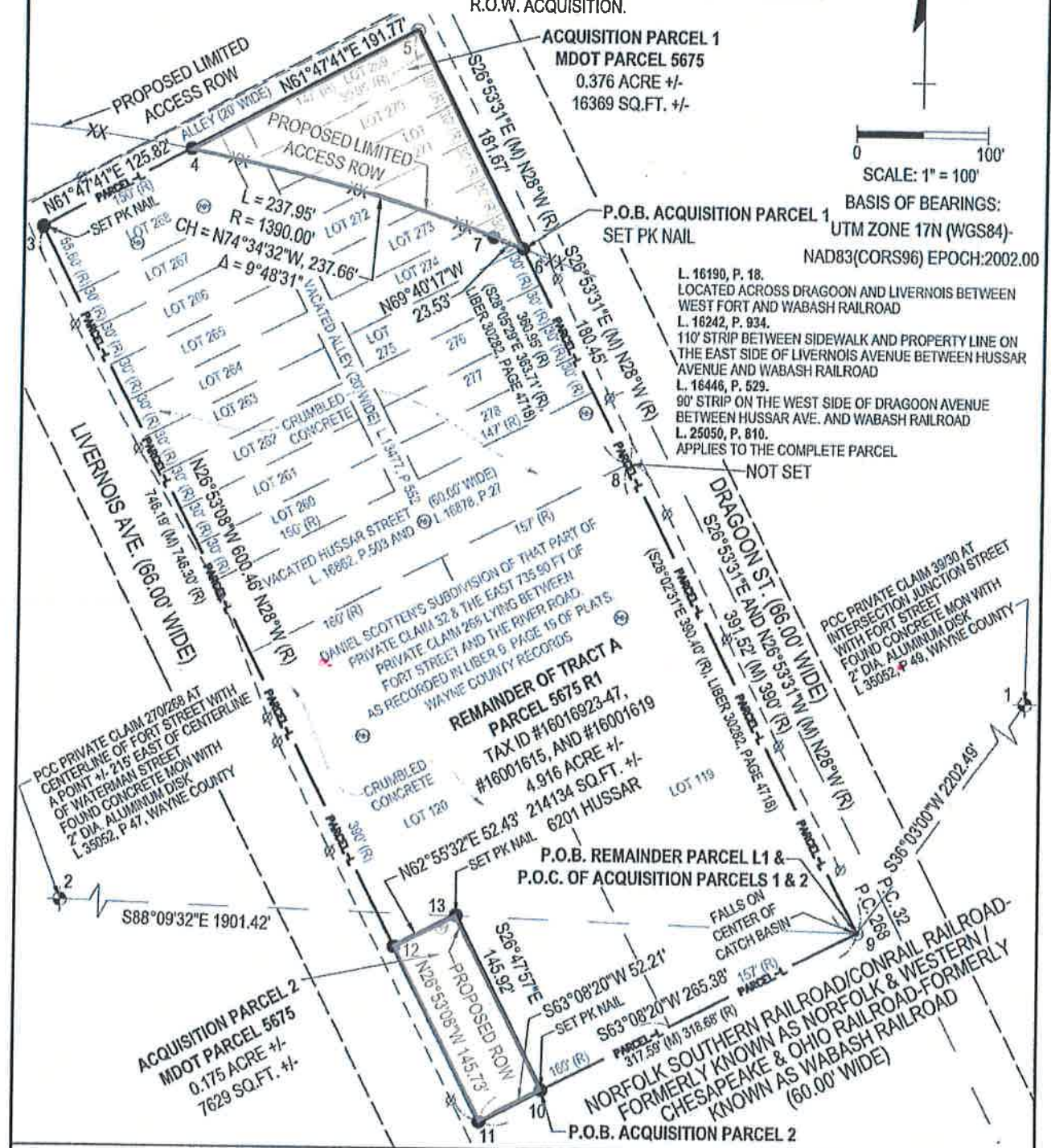
CERTIFICATE OF SURVEY

THIS SURVEY WAS PERFORMED FOR A PROPERTY TRANSFER FOR M.D.O.T.
R.O.W. ACQUISITION.



SCALE: 1" = 100'

BASIS OF BEARINGS:
UTM ZONE 17N (WGS84)-
NAD83(CORS96) EPOCH:2002.00



I, Jeffrey D. Bartlett, being a Surveyor Licensed in the State of Michigan, hereby certify that I have surveyed and mapped the above parcel of land, that the ratio of closure shall be less than 1:5000 and that I have complied with the regulations of P.A. 132 of 1970 as amended.

JDB 5-3-17
JEFFREY D. BARTLETT, P.S. DATE
LICENSED PROFESSIONAL SURVEYOR
MICHIGAN LICENSE NO. 47943

FOR: Michigan Department of Transportation	
CS: 82194	JN: 113717B
ROUTE: GHIB	DATE: 5-01-2017
DRAWN BY: KLM	PAGE
CHECKED BY: JDB	6 OF 10
PREPARED BY: SURVEYING SOLUTIONS, INC. 4471 M-61 STANDISH, MI 48658	



6. Complete the Table on Page 8 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 8, 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 8, 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 8, 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 7 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 3**

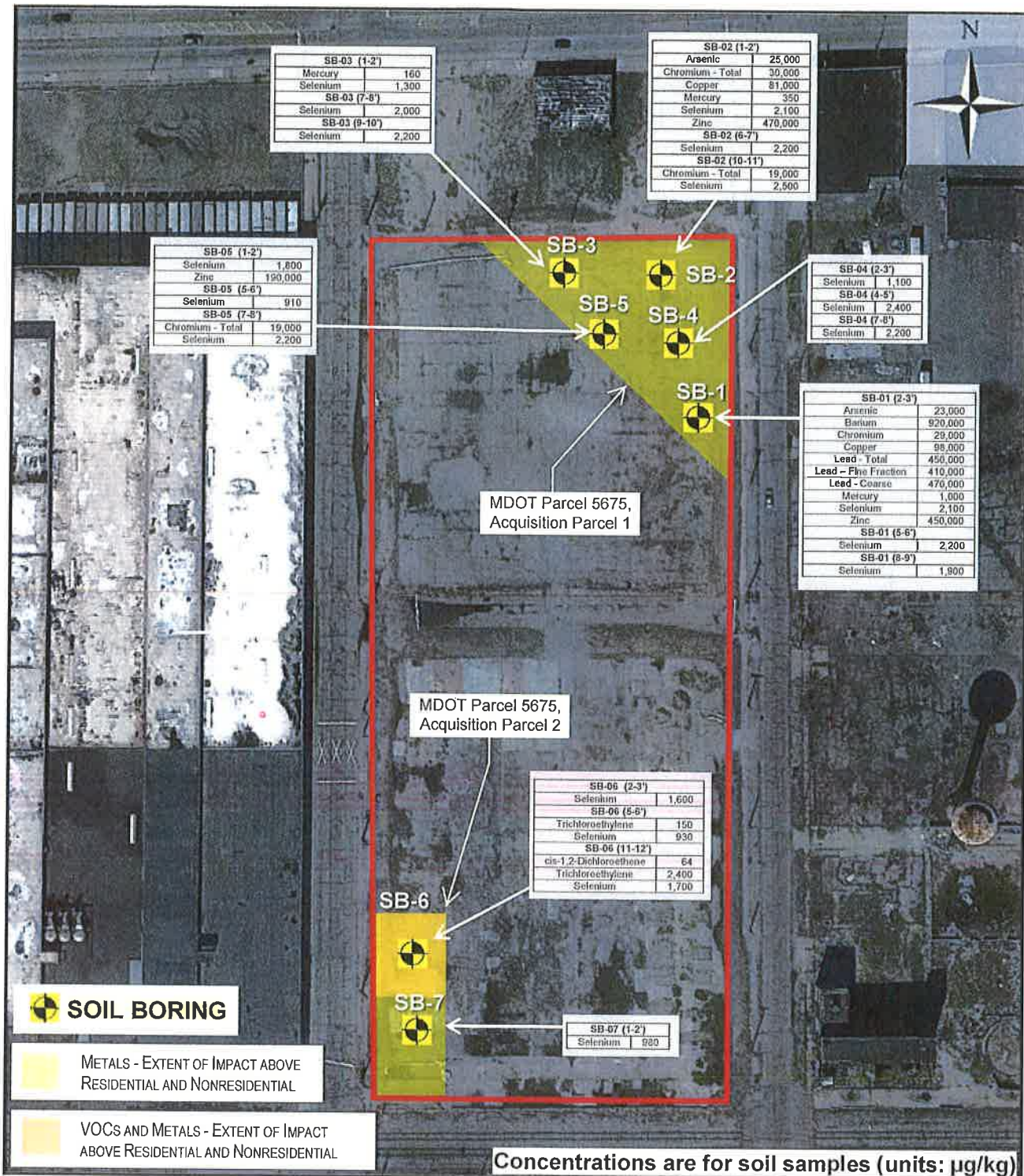
TABLE 1

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"
cis-1,2-Dichloroethene	156-59-2	64	5675_SB06_11-12_S_TEC_20170821	Soil	35 feet	Unknown	-	-	-
Tetrachloroethylene	127-18-4	2,400	5675_SB06_11-12_S_TEC_20170821	Soil	35 feet	Unknown	-	-	-
Arsenic	7440-38-2	25,000	5675_SB02_1-2_S_TEC_20170821	Soil	30 feet	Unknown	-	-	-
Barium	7440-39-3	920,000	5675_SB01_2-3_S_TEC_20170821	Soil	30 feet	Unknown	-	-	-
Chromium (Total)	7440-47-3	30,000	5675_SB02_1-2_S_TEC_20170821	Soil	30 feet	Unknown	-	-	-
Copper	7440-50-8	98,000	5675_SB01_2-3_S_TEC_20170821	Soil	30 feet	Unknown	-	-	-
Lead - Total (calculated)	7439-92-1	450,000	5675_SB01_2-3_S_TEC_20170821	Soil	30 feet	Unknown	-	-	-
Lead - Fine Fraction	7439-92-1	410,000	5675_SB01_2-3_S_TEC_20170821	Soil	30 feet	Unknown	-	-	-
Lead - Coarse Fraction	7439-92-1	470,000	5675_SB01_2-3_S_TEC_20170821	Soil	30 feet	Unknown	-	-	-
Mercury	7439-97-6	1,000	5675_SB01_2-3_S_TEC_20170821	Soil	30 feet	Unknown	-	-	-
Selenium	7782-49-2	2,500	5675_SB02_10-11_S_TEC_20170821	Soil	30 feet	Unknown	-	-	-
Zinc	7440-66-6	470,000	5675_SB02_1-2_S_TEC_20170821	Soil	30 feet	Unknown	-	-	-
Trichloroethylene	79-01-6	66	5675_SB06_7-12_GW_TEC_20170821	Groundwater	35 feet	Unknown	-	-	-
Arsenic	7440-38-2	28	5675_SB06_7-12_GW_TEC_20170821	Groundwater	35 feet	Unknown	-	-	-
Chromium (Total)	7440-47-3	100	5675_SB06_7-12_GW_TEC_20170821	Groundwater	35 feet	Unknown	-	-	-
Copper	7440-50-8	64	5675_SB06_7-12_GW_TEC_20170821	Groundwater	35 feet	Unknown	-	-	-
Lead	7439-92-1	53	5675_SB06_7-12_GW_TEC_20170821	Groundwater	35 feet	Unknown	-	-	-
Selenium	7782-49-2	6.3	5675_SB06_7-12_GW_TEC_20170821	Groundwater	35 feet	Unknown	-	-	-

Total Number of Samples Collected: 20 soil, 2 groundwater

Total Number of Samples Exceeding Criteria: 20 soil, 2 groundwater



	Testing Engineers & Consultants, Inc. 1343 Rochester Rd Troy, MI 48083	Preliminary Site Investigation Gordie Howe International Bridge 6201 Hussar St Detroit, MI 48209	MDOT Parcel 5675 TEC Project: 56937-02 Approx. scale: 1" = 125' Date: 2018/01/02	Figure 3 Extent of Residential and Non-Residential Soil Exceedances
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