



November 28, 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 6132, 6134, 6142, 6152, 6162 W. Fort Street and 730, 742 Dragoon Street, Detroit, MI,
Tax IDs 16000295-300 and 16016694-711 (MDOT Parcel 5505)
Potentially toward I-75/West Fisher Service Drive right-of-way to the north, West Fort Street right-of-way to the south,
Dragoon Street right-of-way to the west, and/or alley right-of-ways to the east, north, and south
Notification No. 5505-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 6132, 6134, 6142, 6152, 6162 W. Fort Street and 730, 742 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

RECEIVED DEC X 4 2017

TECHNICAL SKILL.
CREATIVE SPIRIT.

5505.Notice Cover Letter.DetroitDPW.docx



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/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: Michigan Department of Transportation (MDOT) Parcel 5505	Owner <input checked="" type="checkbox"/>
Address: 6132, 6134, 6142, 6152, 6162 W. Fort St.; 730, 742 Dragoon St.	Operator <input type="checkbox"/>
Location: Michigan	
City/County: Detroit/Wayne	
Property Tax Identification Number, or if applicable, the ward and item number: 16000295-300, 16016694-711	

Latitude (decimal degrees): 42.307659 °N Longitude (decimal degrees): -83.102160 °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 5505_COMB; 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: 6126 W. Fort Street
City/State: Detroit, MI
Property Tax ID number: 16000301
Other: MDOT Parcel 5512

Notified? No Yes Date: November 28, 2017

Address: MDOT I-75 Right-of-Way
City/State: Detroit, MI
Property Tax ID number: NA
Other: Control Section 82194, Sheet 114, Parcels 2001, 2001A, 2002, 2003

Notified? No Yes Date: November 28, 2017

Address: MDOT M-85 Right-of-Way
City/State: Detroit, MI
Property Tax ID number: NA
Other: West Fort Street (M-85) adjacent to 6132, 6134, 6142, 6152, 6162 W. Fort Street / 16000295-300, east of Dragoon Street, west of Military Street

Notified? No Yes Date: November 28, 2017

Address: 2 Woodward Avenue, Ste. 611
City/State: Detroit, MI, 48226
Property Tax ID number: NA
Other: City of Detroit (I-75/West Fisher Service Drive, West Fort Street, Dragoon Street, and alleys adjacent to 6132, 6134, 6142, 6152, 6162 W. Fort St. & 730, 742 Dragoon St. / 16000295-300 & 16016694-711)

Notified? No Yes Date: November 28, 2017



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
REMEDIATION AND REDEVELOPMENT DIVISION

Address: 735 Randolph
City/State: Detroit, MI, 48226
Property Tax ID number: NA
Other: Detroit Water & Sewerage Department (utility holder)
Notified? No Yes Date: November 28, 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: November 28, 2017

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: November 28, 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: November 28, 2017

Address: 12775 Lydon Street
City/State: Detroit, MI, 48227
Property Tax ID number: NA
Other: Comcast/Xfinity (utility holder)
Notified? No Yes Date: November 28, 2017

Address: 208 S. Akard Street
City/State: Dallas, TX, 75202
Property Tax ID number: NA
Other: AT&T Headquarters (utility holder)
Notified? No Yes Date: November 28, 2017

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

MAP OF PROPERTY TAX ID NUMBERS

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.



I-75 FRONTAGE RD
MDOT ROADWAY

DRAGON ST
COD ROADWAY

MILITARY ST
COD ROADWAY

COD ALLEY

	ADDRESS	TAX ID	MDOT PARCEL #
A	742 DRAGON	16016711	5505
B	730 DRAGON	16016694-710	5505
C	6162 W FORT	16000295	5505
D	6152 W FORT	16000296	5505
E	6142 W FORT	16000297-8	5505
F	6134 W FORT	16000299	5505
G	6132 W FORT	16000300	5505
H	6126 W FORT	16000301	5512

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

FORT ST (M-85)
MDOT ROADWAY



FIGURE 1
PROPERTY TAX ID NUMBERS
ADJACENT TO MDOT 5505

Gordie Howe International Bridge
Detroit, Michigan

DATE 11/27/2017	DRAWN BY AMK	DESIGNED BY LHK	PROJECT NO. MDOT0070
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Date Saved: 11/27/2017 4:53:36 PM
Path: S:\Projects\Project K-OMDOT0070\ENGAPPS\GIS\Map_Files\Notification Maps\5505_TaxID_Landscape.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
(Owner or person legally authorized to bind the person making this report)

Date 11/28/2017

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"
Tetrachloroethylene	127-18-4	530	5505_SB-09-7-9_S_SOM_20170818	Soil	30 feet	Unknown	---	---	---
Arsenic	7440-38-2	22,000	5505_SB-01-5-5-8-5_S_SOM_20170818	Soil	15 feet	Unknown	---	---	---
Selenium	7782-49-2	2,400	5505_SB-09-9-10_S_SOM_20170818	Soil	5 feet	Unknown	---	---	---
Chromium	7440-66-5	150,000	5505_DP-01-0-2_S_SOM_20170818	Soil	15 feet	Unknown	---	---	---
Selenium	7782-49-2	1,500	5505_DP-01-0-2_S_SOM_20170818	Debris pile	40 feet	Unknown	---	---	---
Selenium	7782-49-2	1,500	5505_DUP-2_S_SOM_20170818*	Debris pile	40 feet	Unknown	---	---	---

* Duplicate sample corresponding to 5505_DP-01_0-2_S_SOM_20170818

Total Number Samples Collected: 17 soil, 2 debris pile

Total Number of Samples Exceeding Criteria: 16 soil, 2 debris pile

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

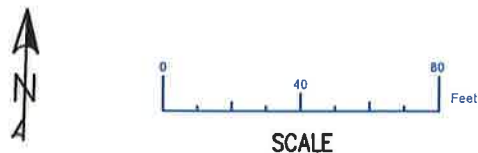
LEGEND

- SITE
- BORING LOCATION
- DEBRIS PILE LOCATION (CENTER)
- APPROXIMATE LIMITS OF EXISTING BUILDING(S)
- APPROXIMATE LIMITS OF FORMER BUILDING (DEMOLITION DEBRIS & THICK BRUSH PRESENT)
- ESTIMATED AREA OF IMPACT BY VOCs
- ESTIMATED AREA OF IMPACT BY METALS

ACRONYMS	
DCC	Direct Contact Criteria
DWPC	Drinking Water Protection Criteria
GSIPC	Groundwater Surface Water Interface Protection Criteria
NE	No Exceedance
VOC	Volatile Organic Compound

ABBREVIATIONS	
As	Arsenic
Se	Selenium
Zn	Zinc

NOTES:
 1. Concentrations are reported in micrograms per kilogram (µg/kg).
 2. Refer to Table 1 of the PSI Report for a detailed summary of analytical data compared to residential GCC.
 3. All samples were analyzed for VOCs, PNAs, and MI-10 metals. PNAs were either not detected or detected at concentrations that do not exceed residential GCC. Samples were analyzed in select locations for PCBs and formaldehyde. PCBs and formaldehyde were not detected in the samples that were submitted for analysis. All shallow samples were analyzed for asbestos. Asbestos was either not detected or detected at levels that do not exceed residential GCC.
 4. Soil boring 5505_SB-02 was not advanced due to encounter with demolition debris and thick brush. 5505_SB-02 was originally proposed within the limits of the former Site building.



LOCATION ID	5505_SB-04	5505_SB-04
DEPTH (FT)	0 - 2	6 - 8
SAMPLE DATE	8/18/2017	8/8/2017
Metals	-	-
Se	860 GSIPC	1,200 GSIPC

LOCATION ID	5505_SB-03	5505_SB-03
DEPTH (FT)	0 - 2	5 - 7
SAMPLE DATE	8/18/2017	8/18/2017
Metals	-	-
Se	1,800 GSIPC	1,300 GSIPC

LOCATION ID	5505_SB-01	5505_SB-01
DEPTH (FT)	0 - 2	6.5 - 8.5
SAMPLE DATE	8/18/2017	8/18/2017
Metals	-	-
As	NE	22,000 GSIPC, DWPC, DCC
Se	1,800 GSIPC	1,600 GSIPC
Zn	150,000 GSIPC	NE

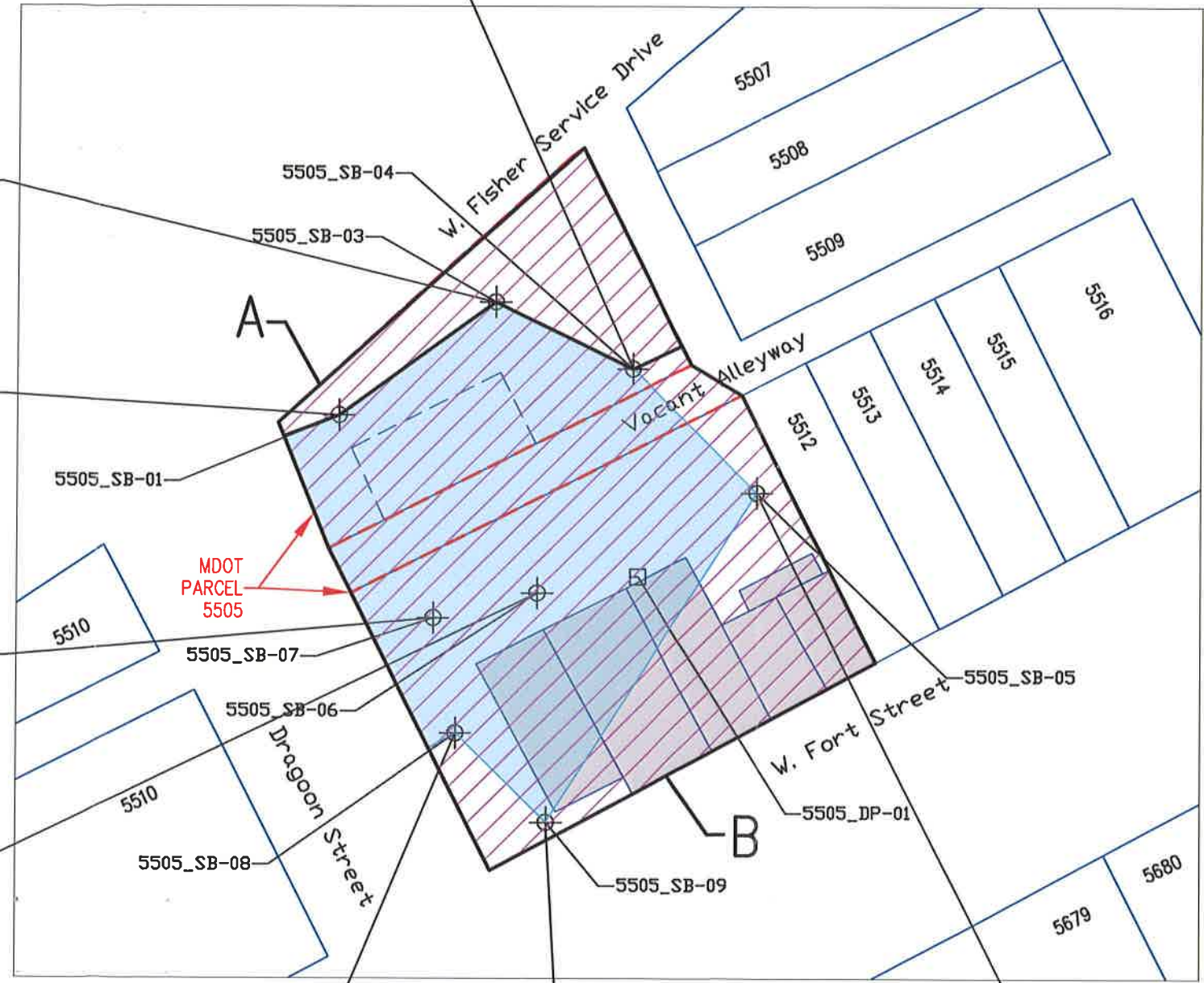
LOCATION ID	5505_SB-07	5505_SB-07
DEPTH (FT)	0 - 2	6 - 8
SAMPLE DATE	8/18/2017	8/18/2017
VOCs	DWPC	NE
Metals	-	-
Se	2,100 GSIPC	670 GSIPC

LOCATION ID	5505_SB-06	5505_SB-06
DEPTH (FT)	0 - 2	7 - 9
SAMPLE DATE	8/18/2017	8/18/2017
VOCs	NE	DWPC
Metals	-	-
Se	1,400 GSIPC	650 GSIPC

LOCATION ID	5505_SB-08
DEPTH (FT)	8.5 - 10
SAMPLE DATE	8/18/2017
Metals	-
Se	2,300 GSIPC

LOCATION ID	5505_SB-09	5505_SB-09
DEPTH (FT)	0 - 2	9 - 10
SAMPLE DATE	8/18/2017	8/18/2017
Metals	-	-
Se	1,700 GSIPC	2,400 GSIPC

LOCATION ID	5505_SB-05	5505_SB-05
DEPTH (FT)	0 - 2	7.5 - 9.5
SAMPLE DATE	8/18/2017	8/18/2017
Metals	-	-
Se	1,200 GSIPC	540 GSIPC



DRAWN BY: W. TRAM
 DATE DRAWN: 09/21/2017
 CHECKED BY: R. ADAMOWSKI
 DATE CHECKED: 09/22/2017
 PAGE 7 OF 7

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

PREPARED FOR:

FIGURE 2
 SUBSURFACE SOIL RESIDENTIAL EXCEEDANCE MAP
 PRELIMINARY SITE INVESTIGATION
 INTERCHANGE AREA MDOT PARCEL 5505_COMB
 730 & 742 Dagoon St, 6132, 6134,
 6142, 6152, & 6162 W. Fort Street, Detroit MI