

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

Name: MI Dept. of Transportation (MDOT) Parcel 5071 & 5072 Owner
Address: 6342 & 6366 West Jefferson Operator
Location: Michigan
City/County: Detroit / Wayne
Property Tax Identification Number, or if applicable, the ward and item number: 18000152-5

Latitude (decimal degrees): 42.299819°N Longitude (decimal degrees): -83.099694°W

Reference Point for Latitude and Longitude:
Center of Site: Main/front door: Front gate/main entrance: Other:

Collection Method: Survey: Interpolation: GPS:

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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 5071 & 5072; 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 Rd 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: 6357 Buelow Court
City/State: Detroit, MI
Property Tax ID number: 18000163.002L
Other: MDOT Parcel 5073
Notified? No Yes Date: Oct. 30, 2017

Address: 6398 Buelow Court
City/State: Detroit, MI
Property Tax ID number: 18000146-51
Other: MDOT Parcel 5069
Notified? No Yes Date: Oct. 30, 2017

Address: 6330 Buelow Court
City/State: Detroit, MI
Property Tax ID number: 18000156
Other: MDOT Parcel 5075
Notified? No Yes Date: Oct. 30, 2017

Address: 2 Woodward Avenue, Ste. 611
City/State: Detroit, MI, 48226
Property Tax ID number: NA
Other: City of Detroit (West Jefferson and alleys adjacent to 6342 & 6366 W. Jefferson Ave. / 18000152-5)
Notified? No Yes Date: Oct. 30, 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: Oct. 30, 2017



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
REMEDIATION AND REDEVELOPMENT DIVISION

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: Oct. 30, 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: Oct. 30, 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: Oct. 30, 2017

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

Notified? No Yes Date: Oct. 30, 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: Oct. 30, 2017

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

MAP OF PROPERTY TAX ID NUMBERS

Date Saved: 8/26/2016 9:58:32 AM
Path: S:\Projects\Project K-OMDOT0070\ENGAPP\GIS\Map_Files\Notification Maps\5071_5072_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?
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
(Owner or person legally authorized to bind the person making this report)

Date 10/30/2017

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 I to list the concentration that was measured closest to the property boundary in the direction of contaminant migration.
- Column I Sample location for Column H (relate to label on map).
- Column J Environmental medium for measurement reported in Column H, if applicable.

PLEASE SEE ATTACHED TABLE 1

A Hazardous Substance	B CAS Number	C Maximum Concentration	D Sample Location for "C"	E Environmental Medium for "C"	F Distance to Property Boundary	G Direction of Migration	H Boundary Concentration	I Sample Location for "H"	J Environmental Medium for "H"

Total Number Samples Collected: _____ Total Number of Samples Exceeding Criteria: _____

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

TABLE 1









DEQ NOTICE OF MIGRATION ATTACHMENT

A	B	C	D	E	F	G*	H	I	J
Hazardous Substance	CAS Number	Maximum Concentration	Sample Location for "C"	Environmental Medium for "C"	Distance to Property Boundary	Direction of Migration	Boundary Concentration	Sample Location for "H"	Environmental Medium for "H"
Tetrachloroethylene	127-18-4	660	5072_SB-05_0-2_S_SOM_20160628	Soil	20'	Unknown	-	-	-
Phenanthrene	85-01-8	4,000	5071_SB-01_0-2_S_SOM_20160628	Soil	10'	Unknown	-	-	-
Arsenic	7440-38-2	24,000	5071_SB-02_0-2_S_SOM_20160628	Soil	15'	Unknown	-	-	-
Cadmium	7440-43-9	3,200	5071_SB-02_0-2_S_SOM_20160628	Soil	15'	Unknown	-	-	-
Chromium (Total)	7440-47-3	1,200,000	5072_SB-05_0-2_S_SOM_20160628	Soil	20'	Unknown	-	-	-
Copper	7440-50-8	160,000	5071_SB-01_0-2_S_SOM_20160628	Soil	10'	Unknown	-	-	-
Lead - Total (calculated)	7439-92-1	790,000	5071_SB-01_0-2_S_SOM_20160628	Soil	10'	Unknown	-	-	-
Lead - Fine Fraction	7439-92-1	670,000	5071_SB-01_0-2_S_SOM_20160628	Soil	10'	Unknown	-	-	-
Lead - Coarse Fraction	7439-92-1	1,000,000	5071_SB-01_0-2_S_SOM_20160628	Soil	10'	Unknown	-	-	-
Mercury	7439-97-6	580	5071_SB-01_0-2_S_SOM_20160628	Soil	10'	Unknown	-	-	-
Selenium	7782-49-2	1,400	5071_SB-01_0-2_S_SOM_20160628	Soil	10'	Unknown	-	-	-
Silver	7440-22-4	2,800	5072_SB-04_0-2_S_SOM_20160628	Soil	20'	Unknown	-	-	-
Zinc	7440-66-6	690,000	5072_SB-05_0-2_S_SOM_20160628	Soil	20'	Unknown	-	-	-
Total PCBs	1336-36-3	5,500	5071_SB-02_0-2_S_SOM_20160628	Soil	15'	Unknown	-	-	-
			5072_SB-07_0-2_S_SOM_20160628	Soil	55'	Unknown	-	-	-

Total Number of Samples Collected: 19

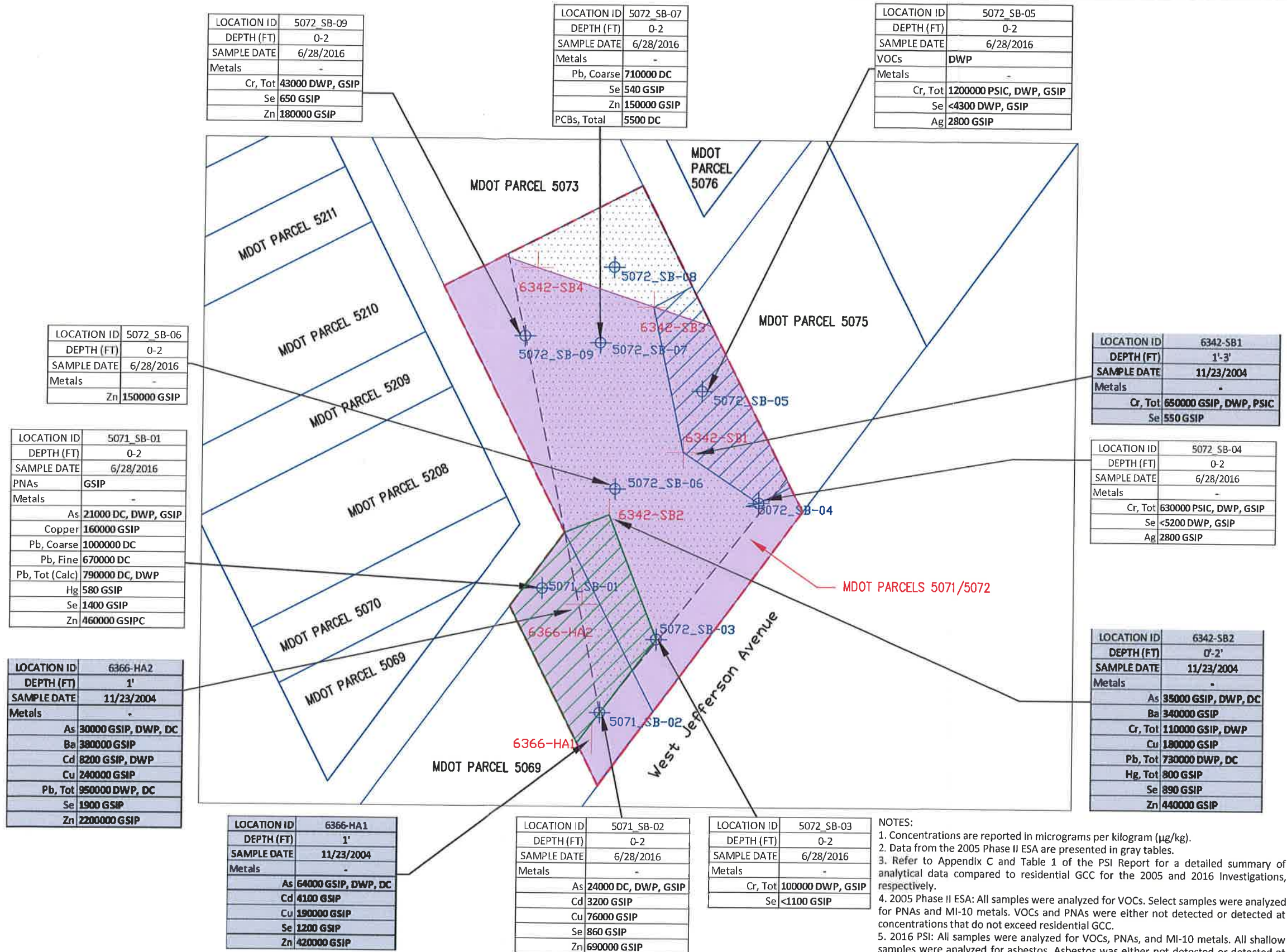
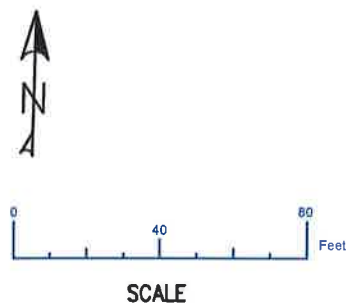
Total Number of Samples Exceeding Criteria: 8

LEGEND

-  SITE
-  BORING LOCATION (2016 PSI)
-  APPROXIMATE HAND AUGER/BORING LOCATION (2005 Ph. II ESA)
-  ESTIMATED AREA OF IMPACT BY METAL EXCEEDANCES
-  ESTIMATED AREA OF IMPACT BY VOC EXCEEDANCES
-  ESTIMATED AREA OF IMPACT BY PCB EXCEEDANCES
-  ESTIMATED AREA OF IMPACT BY PNA EXCEEDANCES
-  EXTENT BASED ON LIMITED SITE DATA

ABBREVIATIONS	
Arsenic	As
Barium	Ba
Cadmium	Cd
Chromium, Total	Cr, Tot
Copper	Cu
Lead, Coarse Fraction	Pb, Coarse
Lead, Fine Fraction	Pb, Fine
Lead, Total (Calc)	Pb, Tot (Calc)
Mercury	Hg
Selenium	Se
Silver	Ag
Zinc	Zn

ACRONYMS	
DC	Direct Contact Criteria
DWP	Drinking Water Protection Criteria
GSIP	Groundwater Surface Water Interface Protection Criteria
PSIC	Particulate Soil Inhalation Criteria
PCBs, Tot	Polychlorinated Biphenyl, Total
PNA	Polynuclear Aromatic
VOC	Volatile Organic Compound



NOTES:

1. Concentrations are reported in micrograms per kilogram (µg/kg).
2. Data from the 2005 Phase II ESA are presented in gray tables.
3. Refer to Appendix C and Table 1 of the PSI Report for a detailed summary of analytical data compared to residential GCC for the 2005 and 2016 investigations, respectively.
4. 2005 Phase II ESA: All samples were analyzed for VOCs. Select samples were analyzed for PNAs and MI-10 metals. VOCs and PNAs were either not detected or detected at concentrations that do not exceed residential GCC.
5. 2016 PSI: All samples were analyzed for VOCs, PNAs, and MI-10 metals. All shallow samples were analyzed for asbestos. Asbestos was either not detected or detected at levels that do not exceed residential GCC. Select samples were analyzed for PCBs.

DRAWN BY: WT
CHECKED BY: RA
DATE DRAWN: 03/30/2017
DATE CHECKED: 03/30/2017
PAGE 8 OF 8

SE Somat Engineering, Inc.
660 WOODWARD AVENUE, SUITE 2430
DETROIT, MI 48226
PHONE: (313) 963-2721
FAX: (313) 963-2736

PREPARED FOR:
Mannik Smith GROUP

FIGURE 2
SOIL RESIDENTIAL EXCEEDANCE MAP
PRELIMINARY SITE INVESTIGATION
PLAZA AREA MDOT PARCELS 5071/5072
6366 and 6342 West Jefferson Avenue, Detroit MI