



April 11, 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 6728 West Jefferson Avenue, Detroit, MI, Tax ID 18000115 (MDOT Parcel 5042)
Potentially toward West Jefferson Avenue right-of-way to the south and/or alley right-of-way to the north
Notification No. 5042-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 6728 West Jefferson Avenue, Detroit, Michigan ("the Site") in relation to the Gordie Howe International Bridge project underway in the vicinity of the rights-of-way 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.

5042.Notice Cover Letter.DetroitDPW.docx

RECEIVED APR 13 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, 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.

<p>1. Name and location of the property that hazardous substances are emanating from:</p> <p>Name: MI Dept. of Transportation (MDOT) Parcel 5042 Address: 6728 W. Jefferson Ave. Location: Michigan City/County: Detroit/Wayne Property Tax Identification Number, or if applicable, the ward and item number: 18000115</p> <p>Latitude (decimal degrees): 42.297002 °N</p> <p>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"/></p> <p>Collection Method: Survey: <input type="checkbox"/> Interpolation: <input type="checkbox"/> GPS: <input checked="" type="checkbox"/></p>	<p>2. Status relative to the property: (Check one or both, as applicable.)</p> <p>Owner <input checked="" type="checkbox"/> Operator <input type="checkbox"/></p> <p>Longitude (decimal degrees): -83.103558 °W</p>
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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 Parcel 5042; 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: 6720, 6710 W. Jefferson Ave. Notified? No Yes Date: April 11, 2018
City/State: Detroit, MI
Property Tax ID number: 18000116-7
Other: MDOT Parcel 5043

Address: 6734, 6744 W. Jefferson Ave. Notified? No Yes Date: April 11, 2018
City/State: Detroit, MI
Property Tax ID number: 18000113-4
Other: MDOT Parcel 5039

Address: 708 S. Waterman St. Notified? No Yes Date: April 11, 2018
City/State: Detroit, MI
Property Tax ID number: 18008286
Other: MDOT Parcel 5045

Address: 6701 W. Jefferson Ave. Notified? No Yes Date: April 11, 2018
City/State: Detroit, MI
Property Tax ID number: 18000042.001
Other: DTE Electric Company, Waterman Substation

Address: One Energy Plaza, Ste. 1935 Notified? No Yes Date: April 11, 2018
City/State: Detroit, MI, 48226
Property Tax ID number: NA
Other: Detroit Edison, DTE (easement and utility holder)



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
REMEDIATION AND REDEVELOPMENT DIVISION

Address: 2 Woodward Avenue, Ste. 611
City/State: Detroit, MI, 48226
Property Tax ID number: NA
Other: City of Detroit (West Jefferson Avenue and alley adjacent to 6728 W. Jefferson Ave./18000115)

Notified? No Yes Date: April 11, 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: April 11, 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

Notified? No Yes Date: April 11, 2018

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 Yes Date: April 11, 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: April 11, 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: April 11, 2018

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

Notified? No Yes Date: April 11, 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: April 11, 2018

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

MAP OF PROPERTY TAX ID NUMBERS





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 April 11, 2018

Name (Typed or Printed) Walter J Bolt

Title (Typed or Printed) Project Manager, Environmental Owners Representative Consultant, Gordie Howe International Bridge Project

TABLE 1

DEQ NOTICE OF MIGRATION ATTACHMENT

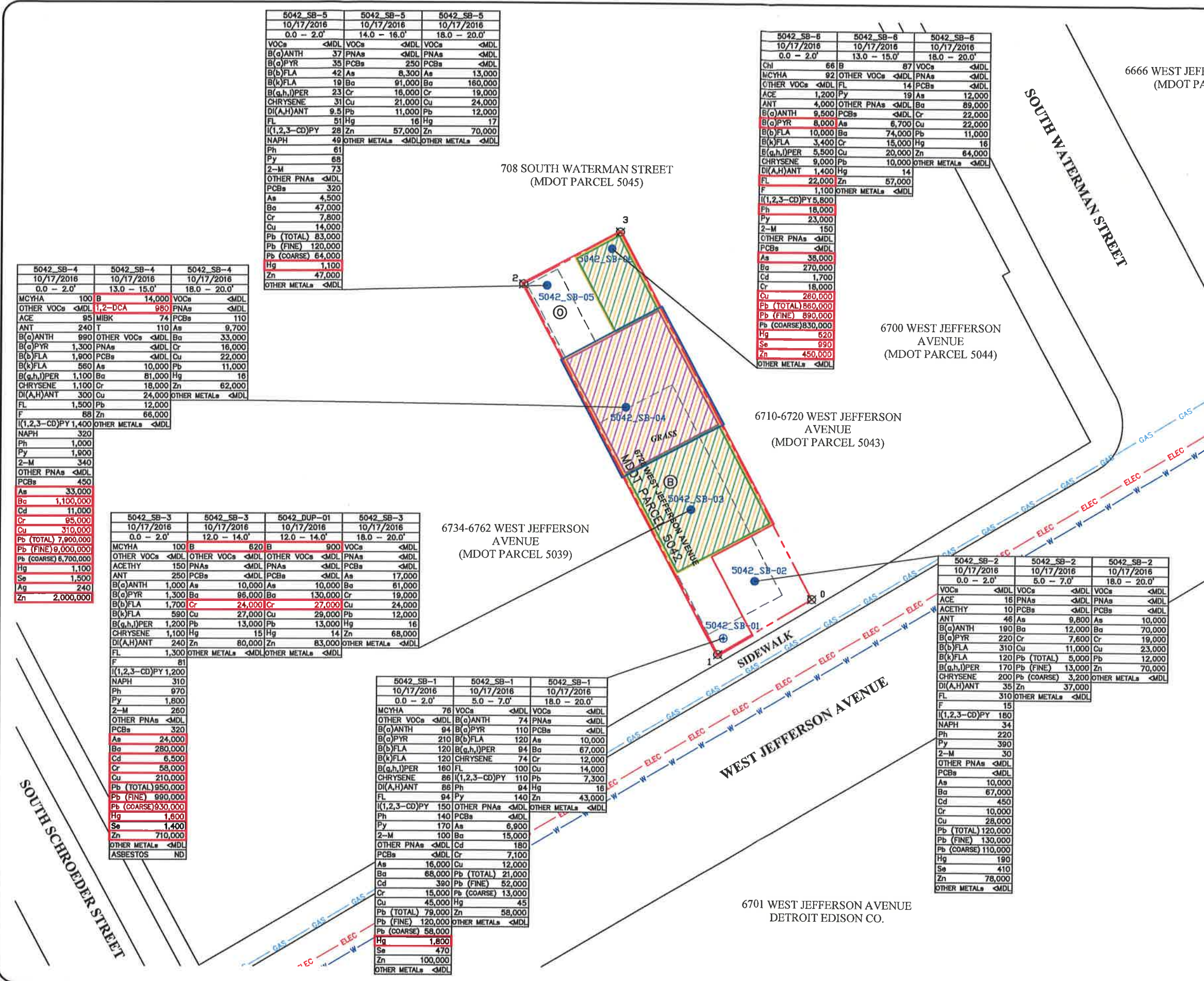
A	B	C	D	E	F	G	H	I	J
Hazardous Substance	CAS Number	Maximum Concentration	Sample Location for "C"	Environmental Medium for "C"	Distance to Property Boundary	Direction of Migration	Boundary Concentration	Sample Location for "H"	Environmental Medium for "H"
Benzene	71-43-2	14,000	5042_SB04_13-15_S_PM_20161017	Soil	10'	Unknown	-	-	-
1,2-Dichloroethane	107-06-2	980	5042_SB04_13-15_S_PM_20161017	Soil	10'	Unknown	-	-	-
Benz(o)a)pyrene	50-32-8	8,000	5042_SB-06_0-2_S_PM_20161017	Soil	5'	Unknown	-	-	-
Fluoranthene	206-44-0	22,000	5042_SB-06_0-2_S_PM_20161017	Soil	5'	Unknown	-	-	-
Phenanthrene	85-01-8	18,000	5042_SB-06_0-2_S_PM_20161017	Soil	5'	Unknown	-	-	-
Arsenic	7440-38-2	38,000	5042_SB-06_0-2_S_PM_20161017	Soil	5'	Unknown	-	-	-
Barium	7440-39-3	1,100,000	5042_SB04_0-2_S_PM_20161017	Soil	10'	Unknown	-	-	-
Cadmium	7440-43-9	11,000	5042_SB04_0-2_S_PM_20161017	Soil	10'	Unknown	-	-	-
Chromium (Total)	7440-47-3	95,000	5042_SB04_0-2_S_PM_20161017	Soil	10'	Unknown	-	-	-
Copper	7440-50-8	310,000	5042_SB04_0-2_S_PM_20161017	Soil	10'	Unknown	-	-	-
Lead - Total (calculated)	7439-92-1	7,900,000	5042_SB04_0-2_S_PM_20161017	Soil	10'	Unknown	-	-	-
Lead - Fine Fraction	7439-92-1	9,000,000	5042_SB04_0-2_S_PM_20161017	Soil	10'	Unknown	-	-	-
Lead - Coarse Fraction	7439-92-1	6,700,000	5042_SB04_0-2_S_PM_20161017	Soil	10'	Unknown	-	-	-
Mercury	7439-97-6	1,800	5042_SB01_0-2_S_PM_20161017	Soil	5'	Unknown	-	-	-
Selenium	7782-49-2	1,500	5042_SB04_0-2_S_PM_20161017	Soil	10'	Unknown	-	-	-
Zinc	7440-66-6	2,000,000	5042_SB04_0-2_S_PM_20161017	Soil	10'	Unknown	-	-	-
Selenium	7782-49-2	6.5	5042_DUP01_GW_PM_20161017*	Groundwater	5'	Unknown	-	-	-

Total Number of Samples Collected: 19 soil, 2 groundwater

Total Number of Samples Exceeding Criteria: 8 soil, 2 groundwater

Footnotes:

* Duplicate sample corresponding to 5042_SB01_9-14_GW_PM_20161017



LEGEND:

- SUBJECT PROPERTY
- PARCEL CORNER
- FORMER BUILDING
- FORMER OUTBUILDING
- SOIL BORING
- SOIL BORING / TEMPORARY MONITORING WELL
- ESTIMATED EXTENT OF SOIL IMPACT ABOVE THE MDEQ PART 201 RESIDENTIAL DC GCC
- ESTIMATED EXTENT OF SOIL IMPACT ABOVE THE MDEQ PART 201 NONRESIDENTIAL DC GCC
- ESTIMATED EXTENT OF SOIL IMPACT ABOVE THE MDEQ PART 201 RESIDENTIAL VSI GCC, AND RESIDENTIAL AND NONRESIDENTIAL SVII GCC
- ESTIMATED EXTENT OF SOIL IMPACT ABOVE THE PART 201 RESIDENTIAL GCC
- ESTIMATED EXTENT OF HAZARDOUS SOILS

As ARSENIC
Ba BARIUM
Cd CADMIUM
Cr CHROMIUM
Pb LEAD
Hg MERCURY
Se SELENIUM
Ag SILVER
Zn ZINC
ACE ACENAPHTHENE
ANT ANTHRACENE
ACETHY ACENAPHTHYLENE
B(a)ANTH BENZO(a)ANTHRACENE
B(a)PYR BENZO(a)PYRENE
B(b)FLA BENZO(b)FLUORANTHENE
B(g,h,i)PER BENZO(g,h,i)PERYLENE
B(k)FLA BENZO(k)FLUORANTHENE
F FLUORENE
FL FLUORANTHENE
I(1,2,3-CD)PY INDENO(1,2,3-CD)PYRENE
2-M 2-METHYLNAPHTHALENE
NAPH NAPHTHALENE
Ph PHENANTHRENE
Py PYRENE
B BENZENE
T TOLUENE
MIBK 4-METHYL-2-PENTANONE
MCYHA METHYLCYCLOHEXANE
1,2-DCA 1,2-DICHLOROETHANE
Chl CHLOROFORM

VOCs VOLATILE ORGANIC COMPOUNDS
PNAAs POLYNUCLEAR AROMATIC COMPOUNDS
PCBs POLYCHLORINATED BIPHENYLS
MDL METHOD DETECTION LIMIT
UNITS µg/kg (UNLESS NOTED)
VALUE EXCEEDS APPLICABLE CRITERIA

NOTES: REFER TO TABLES FOR SPECIFIC COMPOUNDS ANALYZED

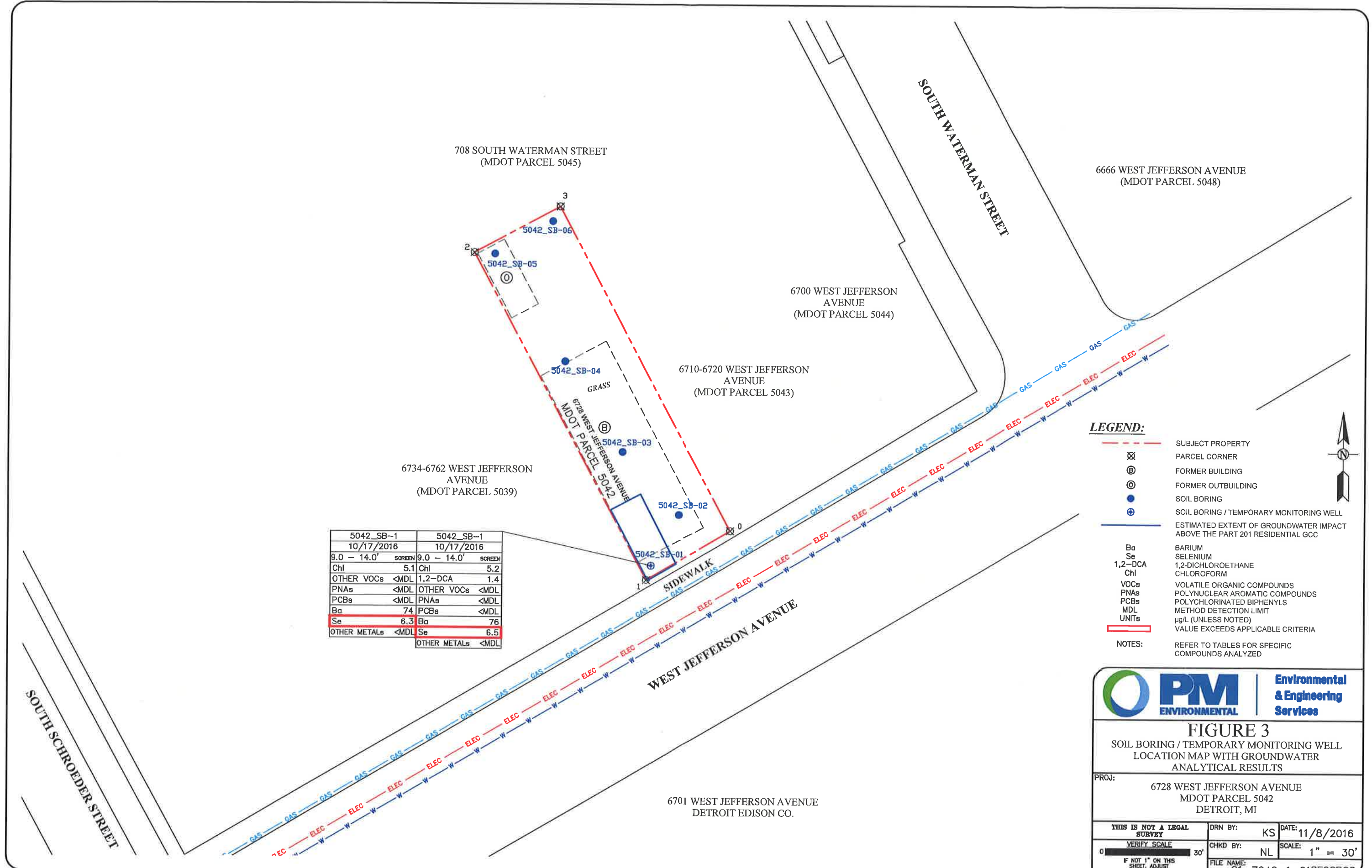
PM ENVIRONMENTAL | Environmental & Engineering Services

FIGURE 2
 SOIL BORING / TEMPORARY MONITORING WELL LOCATION MAP WITH SOIL ANALYTICAL RESULTS

PROJ: 6728 WEST JEFFERSON AVENUE
 MDOT PARCEL 5042
 DETROIT, MI

THIS IS NOT A LEGAL SURVEY
 VERIFY SCALE
 DRN BY: KS DATE: 11/8/2016
 QHCD BY: NL SCALE: 1" = 30'
 FILE NAME: 01-7940-1-018F00R00

0 30' F NOT 1" ON THIS SHEET, ADJUST SCALES ACCORDINGLY.



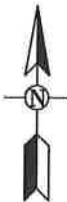
5042_SB-1 10/17/2016		5042_SB-1 10/17/2016	
9.0 - 14.0'	SCREEN	9.0 - 14.0'	SCREEN
Chl	5.1	Chl	5.2
OTHER VOCs	<MDL	1,2-DCA	1.4
PNA	<MDL	OTHER VOCs	<MDL
PCBs	<MDL	PNA	<MDL
Ba	74	PCBs	<MDL
Se	6.3	Ba	76
OTHER METALS	<MDL	Se	6.5
		OTHER METALS	<MDL

LEGEND:

- SUBJECT PROPERTY
- PARCEL CORNER
- FORMER BUILDING
- FORMER OUTBUILDING
- SOIL BORING
- ⊕ SOIL BORING / TEMPORARY MONITORING WELL
- ESTIMATED EXTENT OF GROUNDWATER IMPACT ABOVE THE PART 201 RESIDENTIAL GCC

Ba BARIUM
 Se SELENIUM
 1,2-DCA 1,2-DICHLOROETHANE
 Chl CHLOROFORM
 VOCs VOLATILE ORGANIC COMPOUNDS
 PNA POLYNUCLEAR AROMATIC COMPOUNDS
 PCBs POLYCHLORINATED BIPHENYLS
 MDL METHOD DETECTION LIMIT
 UNITS μg/L (UNLESS NOTED)
 VALUE EXCEEDS APPLICABLE CRITERIA

NOTES: REFER TO TABLES FOR SPECIFIC COMPOUNDS ANALYZED



Environmental & Engineering Services

FIGURE 3
SOIL BORING / TEMPORARY MONITORING WELL LOCATION MAP WITH GROUNDWATER ANALYTICAL RESULTS

PROJ: 6728 WEST JEFFERSON AVENUE
MDOT PARCEL 5042
DETROIT, MI

THIS IS NOT A LEGAL SURVEY	DRN BY: KS	DATE: 11/8/2016
VERIFY SCALE	CHKD BY: NL	SCALE: 1" = 30'
IF NOT 1" ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	FILE NAME: 01-7940-1-018F00R00	