



October 3, 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 819 Wilde Street, Detroit, MI, Tax ID 18008605-18 (MDOT Acquisition Parcel 5478)
Potentially toward I-75 right-of-way to north, Wilde Street right-of-way to east,
And/or vacated alley easements to west and south
Notification No. 5478-ROW

Dear City Engineering & Street Maintenance Divisions:

The Mannik Smith Group, Inc. ("MSG"), on behalf of the Michigan Department of Transportation ("MDOT"), has directed or conducted underground environmental testing at 819 Wilde Street, Detroit, Michigan ("the Site") in relation to the Gordie Howe International Bridge project underway in the vicinity of the right-of-ways 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 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 OCT - 5 2017

TECHNICAL SKILL.
CREATIVE SPIRIT.

5478 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.

- | | |
|--|---|
| <p>1. Name and location of the property that hazardous substances are emanating from:</p> <p>Name: MI Dept. of Transportation (MDOT) Acquisition Parcel 5478
Address: (portion of) 819 Wilde Street
Location: Michigan
City/County: Detroit/Wayne
Property Tax Identification Number, or if applicable, the ward and item number: (portion of) 18008605-18</p> <p>Latitude (decimal degrees): 42.303482 °N Longitude (decimal degrees): -83.112770 °W</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> |
|--|---|



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 5478; 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: 819 Wilde Street & 7140 W. Fort Street Notified? No Yes Date: October 3, 2017
City/State: Detroit, MI
Property Tax ID number: 18008605-18 & 18000445
Other: Midwest Property Management, LLC

Address: MDOT I-75 Right-of-Way Notified? No Yes Date: October 3, 2017
City/State: Detroit, MI
Property Tax ID number: NA
Other: Control Section 82194, Sheet 113, Parcel 1724

Address: 2 Woodward Avenue, Ste. 611 Notified? No Yes Date: October 3, 2017
City/State: Detroit, MI, 48226
Property Tax ID number: NA
Other: City of Detroit (Wilde Street and vacated alleys adjacent to 819 Wilde Street / 18008605-18)

Address: 735 Randolph Notified? No Yes Date: October 3, 2017
City/State: Detroit, MI, 48226
Property Tax ID number: NA
Other: Detroit Water & Sewerage Department

Address: One Energy Plaza, Ste. 1935 Notified? No Yes Date: October 3, 2017
City/State: Detroit, MI, 48226
Property Tax ID number: NA
Other: Detroit Edison, DTE



Address: 27175 Energy Way
City/State: Novi, MI, 48377
Property Tax ID number: NA
Other: International Transmission Company (ITC)

Notified? No Yes Date: October 3, 2017

Address: 735 Randolph Street, Ste. 1900
City/State: Detroit, MI, 48226
Property Tax ID number: NA
Other: Great Lakes Water Authority

Notified? No Yes Date: October 3, 2017

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

Notified? No Yes Date: October 3, 2017

Address: 208 S. Akard Street
City/State: Dallas, TX, 75202
Property Tax ID number: NA
Other: AT&T Headquarters

Notified? No Yes Date: October 3, 2017

(Attach additional pages as needed)

**PLEASE SEE ATTACHED MAP OF PROPERTY TAX ID NUMBERS (FIGURE 1)
AND CERTIFICATE OF SURVEY OF ACQUISITION PARCEL (FIGURE 2).**

MAP OF PROPERTY TAX ID NUMBERS



Date Saved: 9/25/2017 1:28:22 PM
Path: S:\Projects\Project K-O\MDOT0070\ENG\APPS\GIS\Map_Files\Notification Maps\5478_TaxID_Landscape.mxd

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

FIGURE 1
PROPERTY TAX ID NUMBERS
ADJACENT TO MDOT 5478
Gordie Howe International Bridge
Detroit, Michigan

DATE 9/25/2017	DRAWN BY AMK	DESIGNED BY LHK	PROJECT NO. MDOT0070
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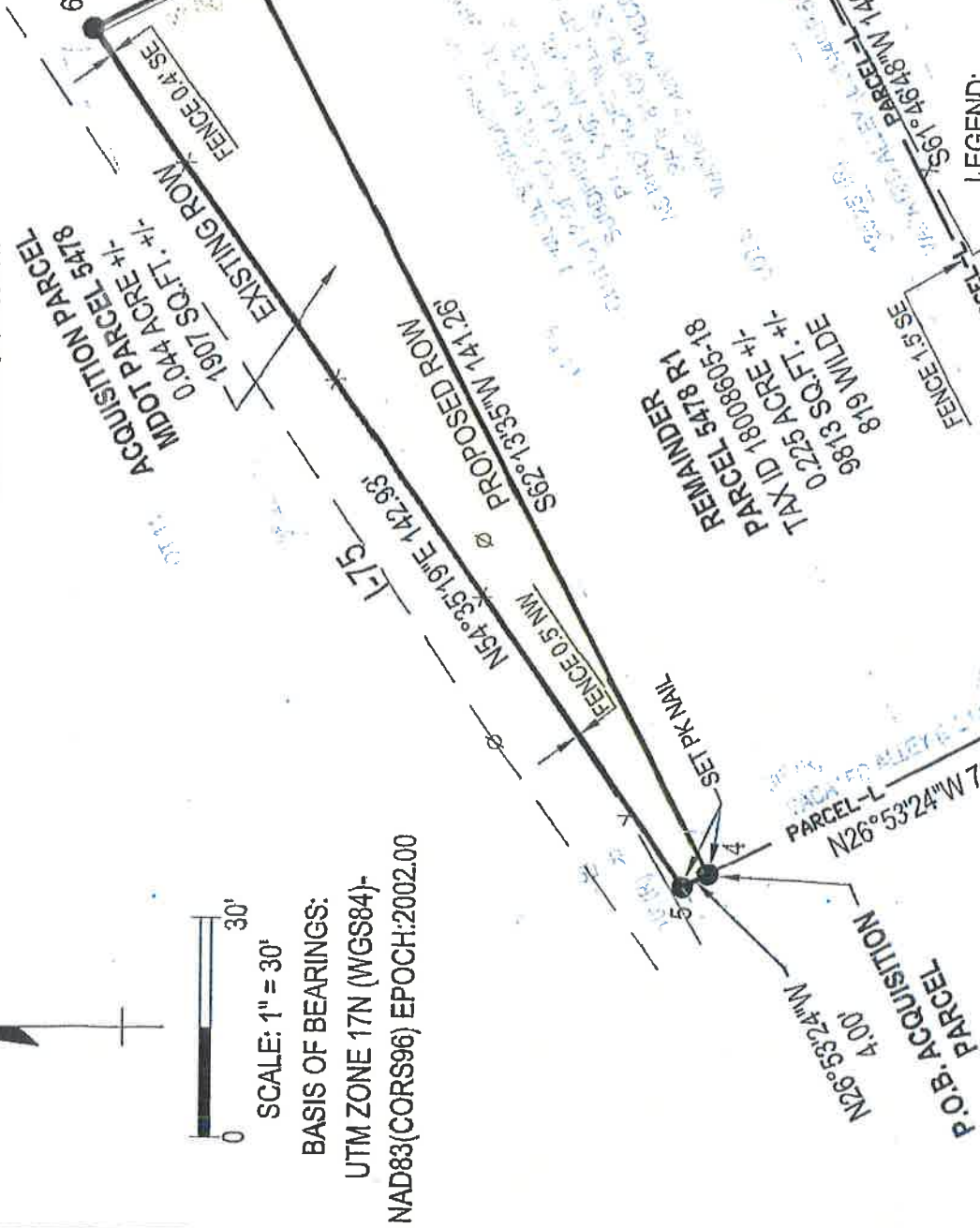
* All locations approximate. Not a legal survey.
Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

5478	ADJACENT MDOT PARCEL	OFFSITE	MDOT PARCELS
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FIGURE 2

CERTIFICATE OF SURVEY

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



SCALE: 1" = 30'
BASIS OF BEARINGS:
UTM ZONE 17N (WGS84)-
NAD83(CORS96) EPOCH:2002.00

LEGEND:

- SET 5/8" IRON WITH CAP #47943 (UNLESS OTHERWISE NOTED)
- ⊕ PROPERTY CONTROLLING CORNER (PCC)
- ⊙ P.O.C. POINT OF COMMENCING
- P.O.B. POINT OF BEGINNING
- x — FENCE
- OVERHEAD UTILITY
- ∅ UTILITY POLE
- (R) RECORDED
- (M) MEASURED

PCC PRIVATE CLAIM 718167 AT INTERSECTION GLINNAN STREET WITH FORT STREET FOUND CONCRETE MON WITH 2" DIA. ALUMINUM DISK L 35052, P 45, WAYNE COUNTY

PCC PRIVATE CLAIM 267167 AT INTERSECTION GREEN STREET WITH FORT STREET FOUND REMON L 35052, P 51, WAYNE COUNTY

POINT#	NORTHING	STD. DEV. N.	EASTING	STD. DEV. E.
1	15371863.41	0.05	1067729.00	0.05
2	15372477.77	0.05	1068973.17	0.05
3	15372712.77	0.05	1069056.04	0.05
4	15372775.29	0.05	1069024.33	0.05
5	15372778.76	0.05	1069022.57	0.05
6	15372861.67	0.05	1069139.01	0.05
7	15372841.11	0.05	1069149.32	0.05
8	15372779.43	0.05	1069180.26	0.05

UTM 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.

[Signature]

4-7-17

JEFFREY D. BARTLETT, P.S.
LICENSED PROFESSIONAL SURVEYOR
MICHIGAN LICENSE NO. 47943

DATE

FOR: **MDOT**
Michigan Department of Transportation

CS: 82194 JN: 113717B
ROUTE: GHIB DATE: 4-6-2017
DRAWN BY: JAB Page 5 of 8
CHECKED BY: JDB

PREPARED BY:

SURVEYING SOLUTIONS, INC.
4471 M-61
STANDISH, MI 48658



6. Complete the Table on Page 7 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 7, 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 7, 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 10/3/2017

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 6 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.

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"
Arsenic	7440-38-2	45,000	5478_SB-04_0-2_S_SOM_20170816	Soil	5 feet	Unknown	--	--	--
Chromium (total)	7440-47-3	190,000	5478_SB-02_0-2_S_SOM_20170816	Soil	10 feet	Unknown	--	--	--
Copper	7440-50-8	220,000	5478_SB-04_0-2_S_SOM_20170816	Soil	5 feet	Unknown	--	--	--
Selenium	7782-49-2	1,900	5478_SB-02_0-2_S_SOM_20170816	Soil	10 feet	Unknown	--	--	--
Zinc	7440-66-6	170,000	5478_SB-04_0-2_S_SOM_20170816	Soil	5 feet	Unknown	--	--	--

Total Number Samples Collected: 9 Total Number of Samples Exceeding Criteria: 9

A scaled map or drawing showing these locations and the property boundaries must be submitted with this Notice PLEASE SEE ATTACHED FIGURE 3

LEGEND

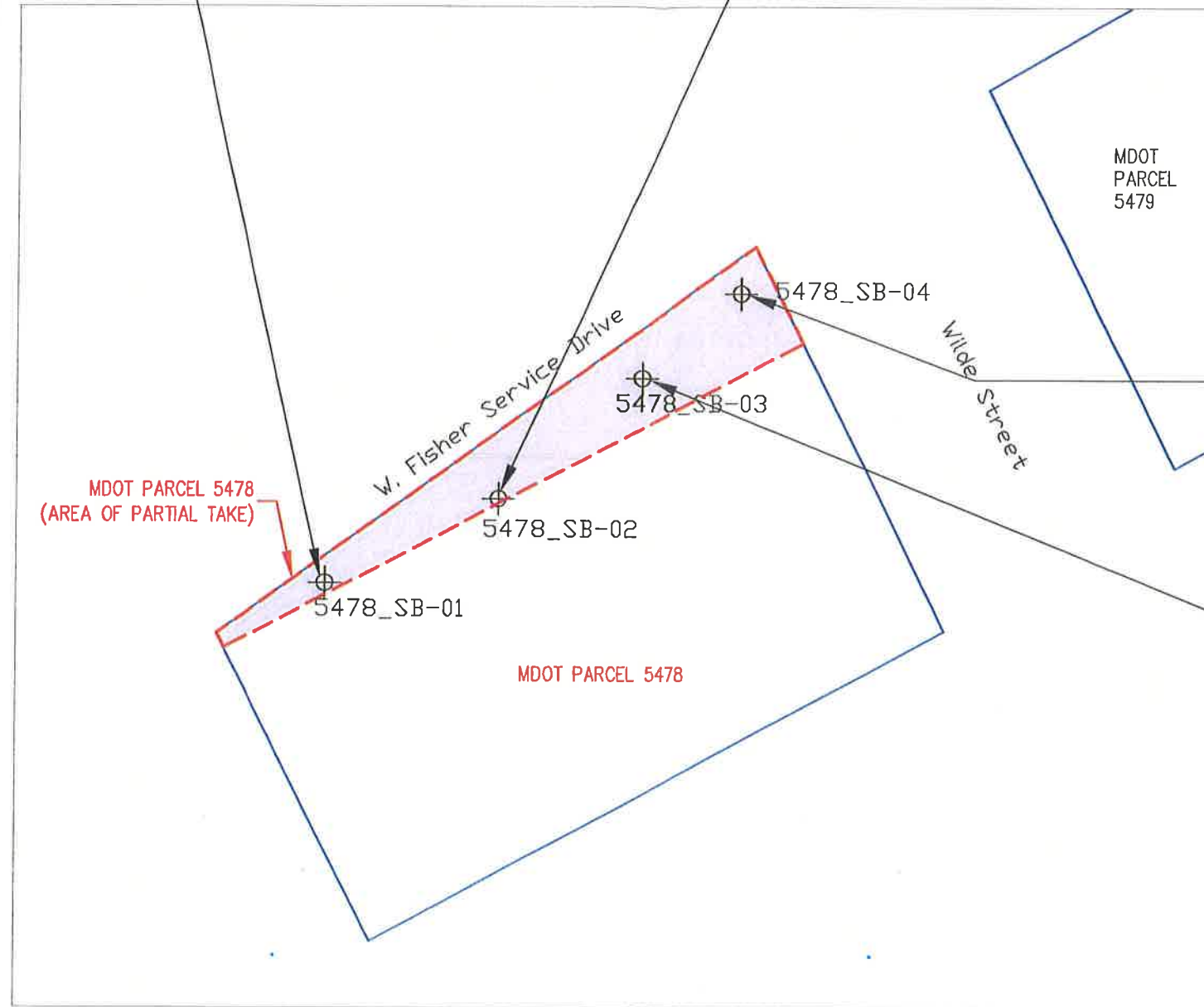
- SITE
- BORING LOCATION (2017 PSI)
- ESTIMATED AREA OF IMPACT BY METALS

ABBREVIATIONS	
As	Arsenic
Cd	Cadmium
Cr, total	Chromium, Total
Cu	Copper
Se	Selenium
Zn	Zinc

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

LOCATION ID	5478_SB-01	5478_SB-01
DEPTH (FT)	0 - 2	11 - 13
SAMPLE DATE	8/16/2017	8/16/2017
Metals	-	-
Cd	<9200 GSIPC, DWPC	<9100 GSIPC, DWPC
Cr, total	37,000 GSIPC, DWPC	NE
Se	1,500 GSIPC	940 GSIPC

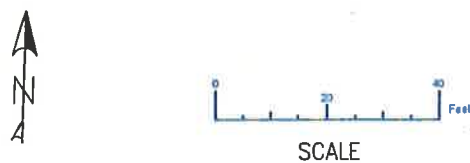
LOCATION ID	5478_SB-02	5478_SB-02
DEPTH (FT)	0 - 2	11.5 - 13.5
SAMPLE DATE	8/16/2017	8/16/2017
Metals	-	-
Cd	<8000 GSIPC, DWPC	<9800 GSIPC, DWPC
Cr, total	190,000 GSIPC, DWPC	NE
Se	1,900 GSIPC	1,200 GSIPC



LOCATION ID	5478_SB-04	5478_SB-04
DEPTH (FT)	0 - 2	11 - 13
SAMPLE DATE	8/16/2017	8/16/2017
Metals	-	-
As	45,000 GSIPC, DWPC, DCC	NE
Cd	NE	<8500 GSIPC, DWPC
Cu	220,000 GSIPC	NE
Se	1,500 GSIPC	970 GSIPC
Zn	170,000 GSIPC	NE

LOCATION ID	5478_SB-03	5478_SB-03 (DUP)	5478_SB-03
DEPTH (FT)	0 - 2	0 - 2	10 - 12
SAMPLE DATE	8/16/2017	8/16/2017	8/16/2017
Metals	-	-	-
Cd	<7300 GSIPC, DWPC	<8300 GSIPC, DWPC	<9200 GSIPC, DWPC
Cr, total	NE	27,000 GSIPC	NE
Se	1,100 GSIPC	1,100 GSIPC	930 GSIPC

- NOTES:
- Concentrations are reported in micrograms per kilogram ($\mu\text{g}/\text{kg}$).
 - Refer to Table 1 of the PSI Report for a detailed summary of analytical data compared to residential GCC.
 - All samples were analyzed for VOCs, PNAs, MI-10 metals, and PCBs. VOCs, PNAs, and PCBs were either not detected or detected at concentrations that do not exceed residential GCC.
 - All shallow samples were analyzed for asbestos. Asbestos was not detected.



DRAWN BY: W. TRAM	DATE DRAWN: 08/30/2017
CHECKED BY: M. CARRIERE	DATE CHECKED: 08/31/2017
PAGE 8 OF 8	

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

PREPARED FOR:

FIGURE 3
SOIL RESIDENTIAL EXCEEDANCE MAP
PRELIMINARY SITE INVESTIGATION
INTERCHANGE AREA MDOT PARCEL 5478
819 Wilde Street, Detroit MI