



June 22, 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 a portion of 734 Wheelock Street, Detroit, MI, Tax ID 18009233 (MDOT Acquisition Parcel 5475)
Potentially toward W. Fisher Service Drive right-of-way to the north, Wheelock Street right-of-way to the west,
And/or alley right-of-way to the east
Notification No. 5475-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 a portion of 734 Wheelock Street, 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.

5475 Notice Cover Letter Detroit DPW.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: Status relative to the property:
(Check one or both, as applicable.)

Name: MI Dept. of Transportation (MDOT) Acquisition Parcel 5475 Owner
Address: (portion of) 734 Wheelock Street Operator
Location: Michigan
City/County: Detroit/Wayne
Property Tax Identification Number, or if applicable, the ward and item number: (portion of) 18009233

Latitude (decimal degrees): 42.302848 °N Longitude (decimal degrees): -83.114401 °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 5475; 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) 734 Wheelock Street Notified? No Yes Date: June 22, 2018
City/State: Detroit, MI
Property Tax ID number: (remainder of) 18009233
Other: Hilda Huff

Address: 730 Wheelock Street Notified? No Yes Date: June 22, 2018
City/State: Detroit, MI
Property Tax ID number: 18009232
Other: Hilda Huff

Address: 7420 W. Fort Street Notified? No Yes Date: June 22, 2018
City/State: Detroit, MI
Property Tax ID number: 180004368
Other: Michigan Bell Telephone Company / AT&T

Address: 823 S. Green Street Notified? No Yes Date: June 22, 2018
City/State: Detroit, MI
Property Tax ID number: 18009111
Other: MDOT Parcel 5476

Address: MDOT I-75 Right-of-Way Notified? No Yes Date: June 22, 2018
City/State: Detroit, MI
Property Tax ID number: NA
Other: Control Section 82194, Sheet 113, Parcel 1578
MDOT-Bureau of Development, Contaminated Site Specialist, Environmental Services Section, 425 West Ottawa Street, P.O. Box 30050, Lansing, MI 48909



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: June 22, 2018

Address: 2 Woodward Avenue, Ste. 611
City/State: Detroit, MI, 48226
Property Tax ID number: NA
Other: City of Detroit (West Fisher Service Drive,
Wheelock Street, and alley adjacent to 734 Wheelock
Street / 18009233)

Notified? No Yes Date: June 22, 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: June 22, 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: June 22, 2018

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

Notified? No Yes Date: June 22, 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: June 22, 2018

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: June 22, 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: June 22, 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: June 22, 2018

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

MAP OF PROPERTY TAX ID NUMBERS

ADDRESS	TAX ID
A 7420 W FORT	180004368
B 734 WHEELLOCK	18009233
C 730 WHEELLOCK	18009232
D 7250 W FORT	18000439
E 7238 W FORT	18000440
F 823 S GREEN	18009111



Date Saved: 5/15/2018 9:15:16 AM
Path: S:\Projects\Project K-OMDOT0070\ENGAPPS\GIS\Map_Files\Notification Maps\5475_TaxID_Map.mxd



5475



MDOT PARCELS



PARCEL BOUNDARIES

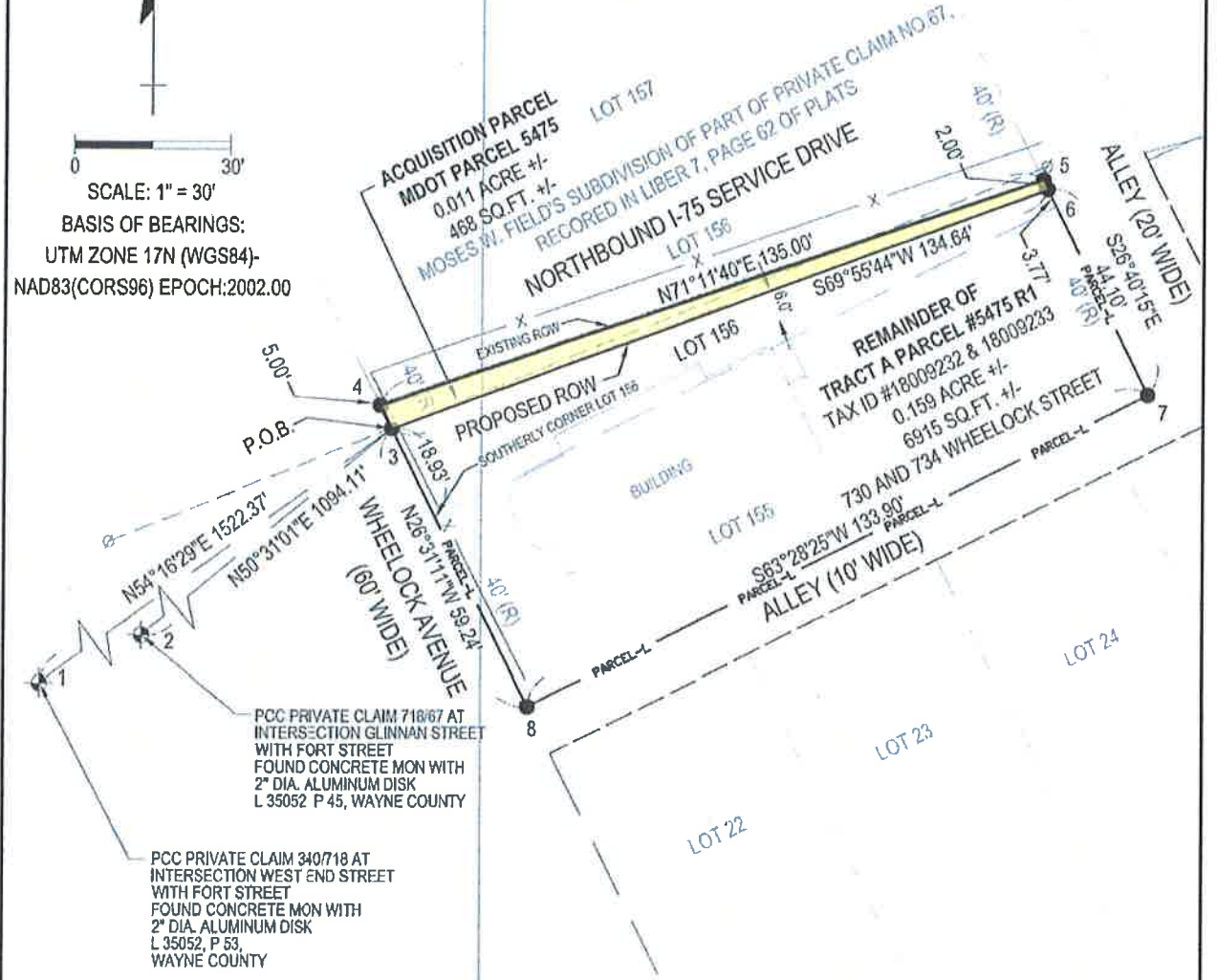
FIGURE 2

CERTIFICATE OF SURVEY

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

N

 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
 - POST
 - ⊕ MANHOLE

UTM 17N (WGS84)-NAD83(CORS96) EPOCH 2002.00

POINT#	NORTHING	STD. DEV. N.	EASTING	STD. DEV. E.
1	15371670.190	0.05	1067337.543	0.05
2	15371863.410	0.05	1067729.000	0.05
3	15372559.099	0.05	1068573.445	0.05
4	15372563.573	0.05	1068571.213	0.05
5	15372607.092	0.05	1068699.007	0.05
6	15372605.305	0.05	1068699.904	0.05
7	15372565.897	0.05	1068719.699	0.05
8	15372506.095	0.05	1068599.895	0.05



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.

JB
 3-22-17
 JEFFREY D. BARTLETT, P.S.
 LICENSED PROFESSIONAL SURVEYOR
 MICHIGAN LICENSE NO. 47943

FOR: Michigan Department of Transportation

CS: 82194 JN: 113717B
 ROUTE: GHIB DATE: 3-20-2017
 DRAWN BY: KLM **PAGE**
 CHECKED BY: JDB **5 OF 9**
 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 June 22, 2018

Name (Typed or Printed) Walter J. Bolt

Title (Typed or Printed) Project Manager, Environmental Owners Representative Consultant, Gordie Howe International Bridge Project, on behalf of Michigan Department of Transportation



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
REMEDIATION AND REDEVELOPMENT DIVISION

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 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.

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"
Lead (fine fraction)	7439-92-1	620,000	5475_SB-01_10-12_S_SOM_20180329	Soil	0 feet	Unknown	---	---	---
Selenium	7782-49-2	3,300	5475_SB-01_0-2_S_SOM_20180329	Soil	0 feet	Unknown	---	---	---
			5475_SB-03_0-2_S_SOM_20180330						
Zinc	7440-66-6	130,000	5475_SB-03_0-2_S_SOM_20180330	Soil	0 feet	Unknown	---	---	---
Selenium	7782-49-2	9.3	5475_SB-01_9.5-14.5_GW_SOM_20180329	Groundwater	0 feet	Unknown	---	---	---

Total Number Samples Collected: 8 soil, 2 groundwater

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

A scaled map or drawing showing these locations and the property boundaries must be submitted with this Notice PLEASE SEE ATTACHED FIGURES 3 & 4

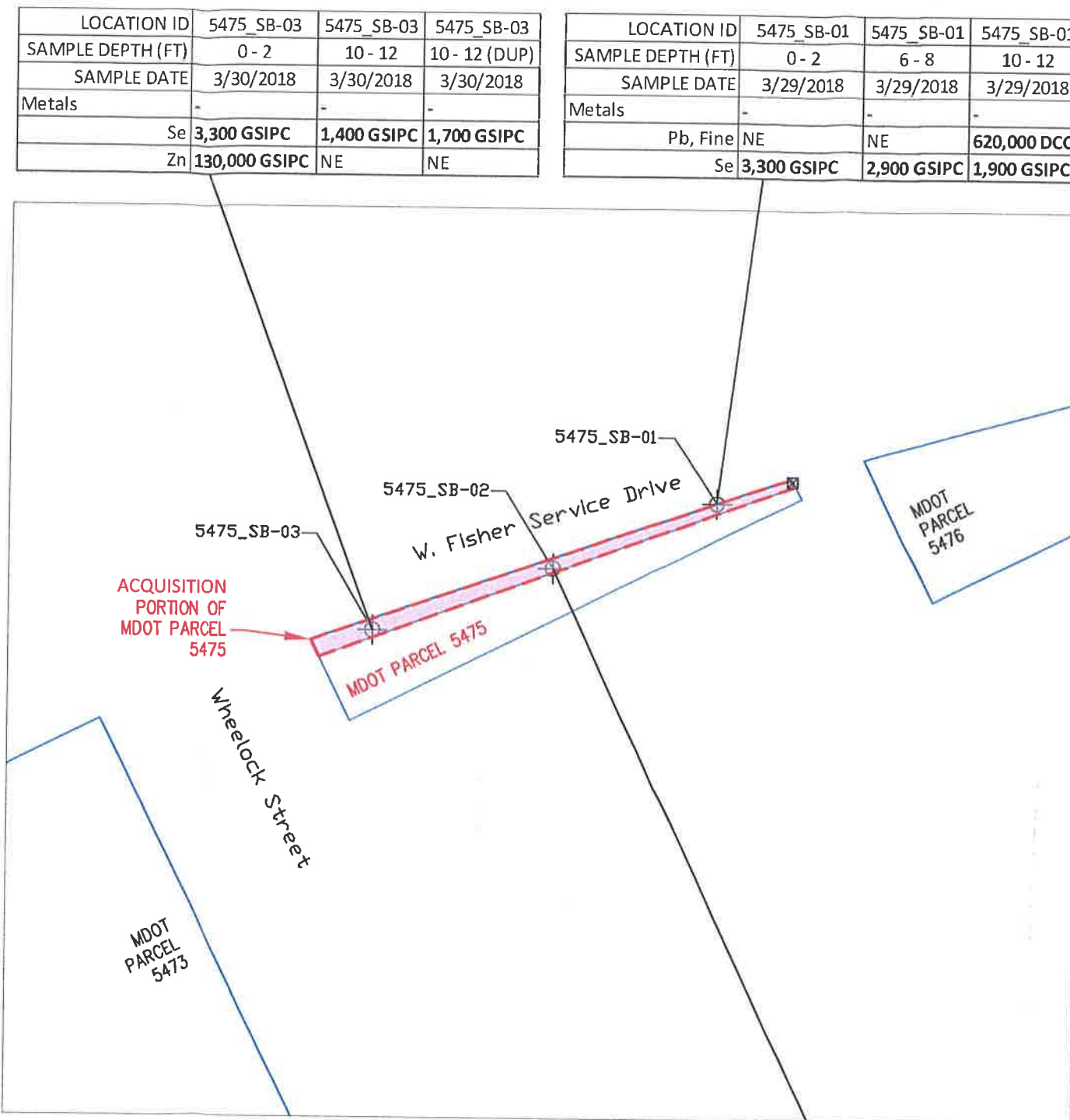
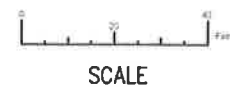
LEGEND

- SITE
- BORING LOCATION
- POLE-MOUNTED TRANSFORMER (APPROXIMATE)
- ESTIMATED AREA OF IMPACT BY METALS

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

ABBREVIATIONS	
Pb, Fine	Lead, Fine Fraction
Se	Selenium
Zn	Zinc

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



LOCATION ID	5475_SB-03	5475_SB-03	5475_SB-03
SAMPLE DEPTH (FT)	0 - 2	10 - 12	10 - 12 (DUP)
SAMPLE DATE	3/30/2018	3/30/2018	3/30/2018
Metals	-	-	-
Se	3,300 GSIPC	1,400 GSIPC	1,700 GSIPC
Zn	130,000 GSIPC	NE	NE

LOCATION ID	5475_SB-01	5475_SB-01	5475_SB-01
SAMPLE DEPTH (FT)	0 - 2	6 - 8	10 - 12
SAMPLE DATE	3/29/2018	3/29/2018	3/29/2018
Metals	-	-	-
Pb, Fine	NE	NE	620,000 DCC
Se	3,300 GSIPC	2,900 GSIPC	1,900 GSIPC

LOCATION ID	5475_SB-02	5475_SB-02
SAMPLE DEPTH (FT)	0 - 2	10 - 12
SAMPLE DATE	3/30/2018	3/30/2018
Metals	-	-
Se	3,200 GSIPC	2,000 GSIPC

DRAWN BY: W. TRAM	DATE DRAWN: 04/30/2018
CHECKED BY: M. CARRIERE	DATE CHECKED: 05/01/2018
PAGE 8 OF 9	



Somat Engineering, Inc.
 3031 WEST GRAND 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
 PORTION OF INTERCHANGE AREA MDOT PARCEL 5475
 734 Wheelock Street, Detroit, Michigan