



August 4, 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 253, 265, 271, 275, 283 South Rademacher Street and/or 276, 282 South Reid Street, Detroit, MI
Tax IDs 18007545-58 & 18007616-29 (MDOT Parcels 5414, 5415, 5449 [5411_COMB])
Potentially toward S. Rademacher Street right-of-way to west, S. Reid Street right-of-way to the east,
Hesse Street right-of-way to north, abutting alley right-of-way, and/or or vacated alley bisecting Site
Notification No. 5414.5415.5449-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 253, 265, 271, 275, 283 South Rademacher Street and 276, 282 South Reid 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 property").

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 property has 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 115 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.

5414.5415.5449 Notice Cover Letter-DetroitDPW.docx

2365 Haggerty Road South, Canton, Michigan 48188 Tel: 734.397.3100 Fax: 734.397.3131 www.MannikSmithGroup.com

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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 5414, 5415, 5449; 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. 115

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: 289 S. Rademacher St. & 288 S. Reid St. Notified? No Yes Date: August 4, 2017
City/State: Detroit, MI
Property Tax ID number: 18007615 & 18007559
Other: Current owner: Contaminated Site Specialist,
Environmental Services Section, MDOT-Bureau of
Development

Address: 2 Woodward Avenue, Ste. 611 Notified? No Yes Date: August 4, 2017
City/State: Detroit, MI, 48226
Property Tax ID number: NA
Other: City of Detroit (S. Rademacher Street, S. Reid
Street, Hesse Street, and alley adjacent to 265, 271, 275,
283 S. Rademacher St. / 18007616-9 & 282 S. Reid St. /
18007546-58)

Address: 735 Randolph Notified? No Yes Date: August 4, 2017
City/State: Detroit, MI, 48226
Property Tax ID number: NA
Other: Detroit Water & Sewerage Department (utility
holder and easement holder for vacated north-south alley
south of Hesse Street, north of existing alley)

Address: One Energy Plaza, Ste. 1935 Notified? No Yes Date: August 4, 2017
City/State: Detroit, MI, 48226
Property Tax ID number: NA
Other: Detroit Edison, DTE (utility holder and easement
holder for vacated north-south alley south of Hesse
Street, north of existing alley)



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: August 4, 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: August 4, 2017

Address: 12775 Lydon Street
City/State: Detroit, MI, 48227
Property Tax ID number: NA
Other: Comcast/Xfinity (utility holder)
Notified? No Yes Date: August 4, 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: August 4, 2017

Address: 265 S. Rademacher St. (subject property)
City/State: Detroit, MI
Property Tax ID number: 18007619
Other: Potential holder of mineral and antiquity rights (reserved from prior sales): Michigan Department of Technology, Management, and Budget, Real Estate Division
Notified? No Yes Date: August 4, 2017

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

Date Saved: 4/12/2017 11:06:06 AM
Path: S:\Projects\Project K-OMDOT0070\ENG\APP\GIS\Map_Files\Notification Maps\5414.5415.5449_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? | <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 Date 8/2/2017
(Owner or person legally authorized to bind the person making this report)

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"
Cadmium	7440-43-9	7,000	5449_SB-02_0-2_S_SOM_20170118	Soil	65 feet	Unknown	---	---	---
Copper	7440-50-8	97,000	5449_SB-02_0-2_S_SOM_20170118	Soil	65 feet	Unknown	---	---	---
Selenium	7782-49-2	810	5449_SB-01_0-2_S_SOM_20170118	Soil	15 feet	Unknown	---	---	---
Zinc	7740-65-6	410,000	5449_SB-02_0-2_S_SOM_20170118	Soil	65 feet	Unknown	---	---	---
Selenium	7782-49-2	7	5415_SB-06_4-9_GW_SOM_20170119	Groundwater	90 feet	Unknown	---	---	---

Total Number Samples Collected: 26 soil, 4 groundwater

Total Number of Samples Exceeding Criteria: 6 soil, 1 groundwater

A scaled map or drawing showing these locations and the property boundaries must be submitted with this Notice
PLEASE SEE ATTACHED FIGURES 2 & 3

LEGEND

- SITE
- BORING LOCATION
- ESTIMATED AREA OF IMPACT BY METALS

ABBREVIATIONS

Cadmium	Cd
Copper	Cu
Selenium	Se
Zinc	Zn

ACRONYMS

DWPC	Drinking Water Protection Criteria
GSIPC	Groundwater Surface Water Interface Protection Criteria

- NOTES:**
- Concentrations are expressed as micrograms per kilogram (µg/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, SVOCs, MI-10 metals, and PCBs. VOCs and PCBs were not detected.
 - All shallow samples were analyzed for asbestos.
 - Select samples were analyzed for hexavalent chromium. Hexavalent chromium was not detected.



SCALE

LOCATION ID	5449_SB-02
DEPTH (FT)	0-2
SAMPLE DATE	1/18/2017
Metals	-
Cd	7,000 GSIPC, DWPC
Cu	97,000 GSIPC
Se	660 GSIPC
Zn	410,000 GSIPC

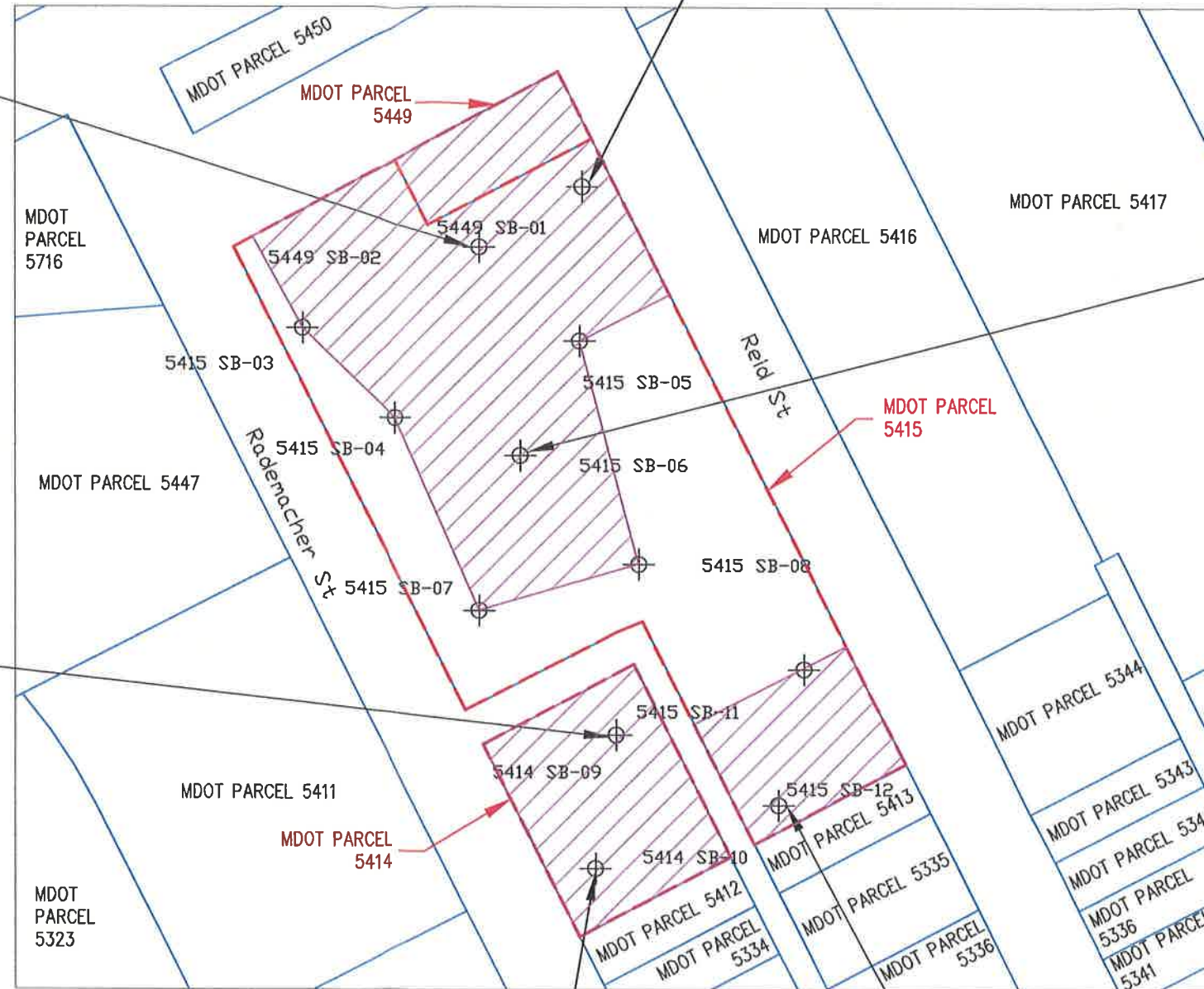
LOCATION ID	5414_SB-09
DEPTH (FT)	0-2
SAMPLE DATE	1/19/2017
Metals	-
Cu	73,000 GSIPC
Zn	240,000 GSIPC

LOCATION ID	5414_SB-10
DEPTH (FT)	0-2
SAMPLE DATE	1/19/2017
Metals	-
Cu	60,000 GSIPC
Zn	180,000 GSIPC

LOCATION ID	5449_SB-01
DEPTH (FT)	0-2
SAMPLE DATE	1/18/2017
Metals	-
Se	810 GSIPC

LOCATION ID	5415_SB-06
DEPTH (FT)	0-2
SAMPLE DATE	1/18/2017
Metals	-
Se	680 GSIPC

LOCATION ID	5415_SB-12
DEPTH (FT)	0-2
SAMPLE DATE	1/19/2017
Metals	-
Cu	76,000 GSIPC



DRAWN BY:	WT	DATE DRAWN:	04/26/2017
CHECKED BY:	KR	DATE CHECKED:	04/26/2017



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

PREPARED FOR:



FIGURE 2
 SOIL RESIDENTIAL EXCEEDANCE MAP
 PRELIMINARY SITE INVESTIGATION
 PLAZA AREA MDOT PARCELS 5414/5415/5449
 S. Rademacher St and S. Reid St, Detroit MI

LEGEND

- SITE
- + BORING LOCATION
- TEMPORARY WELL LOCATION

ABBREVIATION

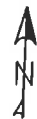
Selenium | Se

ACRONYM

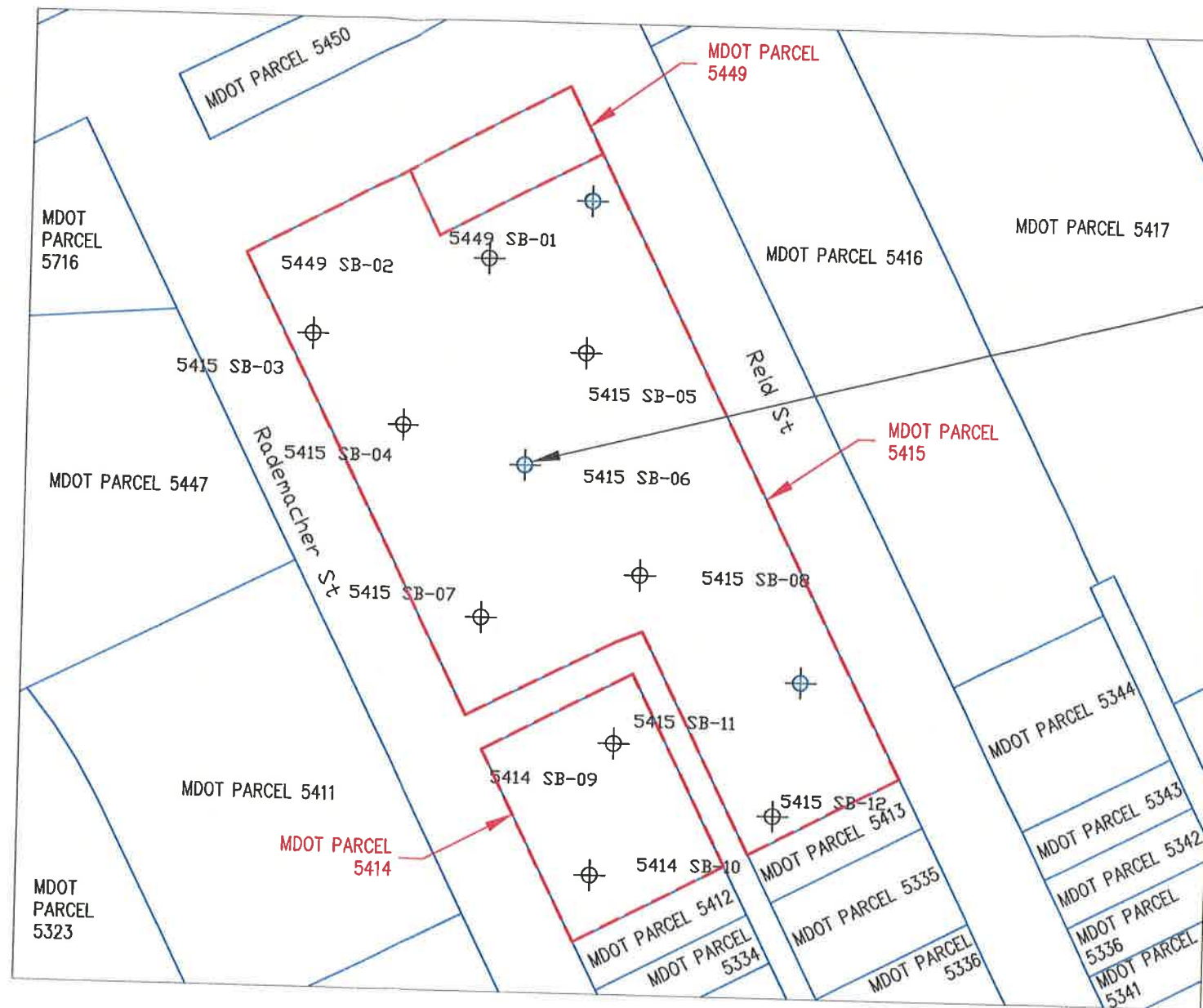
GSIC	Groundwater Surface Water Interface Criteria
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NOTES:

1. Concentrations are expressed as micrograms per liter (µg/L).
2. Refer to Table 3 of the PSI Report for a detailed summary of analytical data compared to residential GCC.
3. All samples were analyzed for VOCs, PNAs, MI-10 metals, and PCBs. VOCs, PNAs, and PCBs were not detected.
4. One sample was analyzed for hexavalent chromium. Hexavalent chromium was not detected.



SCALE



LOCATION ID	5415 SB-06
SCREEN	4-9
INTERVAL (FT)	4-9
SAMPLE DATE	1/19/2017
Metals	-
Se	7 GSIC

DRAWN BY: WT	DATE DRAWN: 04/26/2017
CHECKED BY: KR	DATE CHECKED: 04/26/2017

PAGE 8 OF 8



Somat Engineering, Inc.

660 WOODWARD AVENUE, SUITE 2430
DETROIT, MI 48226
PHONE: (313) 963-2721
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PREPARED FOR:



FIGURE 3
GROUNDWATER RESIDENTIAL EXCEEDANCE MAP
PRELIMINARY SITE INVESTIGATION
PLAZA AREA MDOT PARCELS 5414/5415/5449
S. Rademacher St and S. Reid St, Detroit MI