



October 30, 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 South Rademacher Park, 6501 South Street, Detroit, MI, Tax ID 18000198-202 (MDOT Parcel 5279)  
Potentially toward vacated alley within South Rademacher Park, South Street, S. Rademacher Street, S. Reid Street,  
Holly Street, and/or alleys adjoining South Rademacher Park  
Notification No. 5279-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 South Rademacher Park, 6501 South 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, OPG  
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.

5279.Notice Cover Letter.DetroitDPW.docx

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

RECEIVED NOV - 9 2017

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](http://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](http://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:

Name: MI Dept. of Transportation (MDOT) Parcel 5279 /  
South Rademacher Park  
Address: 6501 South Street  
Location: Michigan  
City/County: Detroit/Wayne  
Property Tax Identification Number, or if applicable, the ward and item number: 18000198-202

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

Owner      
Operator  

Latitude (decimal degrees): 42.300509 °N      Longitude (decimal degrees): -83.102463 °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 5279; 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: 251 S. Waterman Street City/State: Detroit, MI Property Tax ID number: 18008081 Other: UR Properties LLC	Notified? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	Date: October 30, 2017
Address: 6402, 6410, 6414, 6420 South Street City/State: Detroit, MI Property Tax ID number: 18000248-68 Other: DIB Detroit LLC	Notified? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	Date: October 30, 2017
Address: 340 S. Livernois Avenue City/State: Detroit, MI Property Tax ID number: 18007215-8 Other: 330 South Livernois LLC	Notified? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	Date: October 30, 2017
Address: 2 Woodward Avenue, Ste. 611 City/State: Detroit, MI, 48226 Property Tax ID number: NA Other: City of Detroit (vacated alley within 6501 South Street / 18000198-202 / South Rademacher Park and South Street, S. Rademacher Street, S. Reid Street, Holly Street, and alleys adjacent to South Rademacher Park)	Notified? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	Date: October 30, 2017



Address: 735 Randolph City/State: Detroit, MI, 48226 Property Tax ID number: NA Other: Detroit Water & Sewerage Department (utility holder)	Notified? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	Date: <u>October 30, 2017</u>
Address: One Energy Plaza, Ste. 1935 City/State: Detroit, MI, 48226 Property Tax ID number: NA Other: Detroit Edison, DTE (utility holder)	Notified? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	Date: <u>October 30, 2017</u>
Address: 27175 Energy Way City/State: Novi, MI, 48377 Property Tax ID number: NA Other: International Transmission Company (ITC) (utility holder)	Notified? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	Date: <u>October 30, 2017</u>
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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	Date: <u>October 30, 2017</u>
Address: 12775 Lydon Street City/State: Detroit, MI, 48227 Property Tax ID number: NA Other: Comcast/Xfinity (utility holder)	Notified? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	Date: <u>October 30, 2017</u>
Address: 208 S. Akard Street City/State: Dallas, TX, 75202 Property Tax ID number: NA Other: AT&T Headquarters (utility holder)	Notified? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	Date: <u>October 30, 2017</u>
The following surrounding parcels are owned by MDOT:	Notified? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	Date: <u>October 30, 2017</u>
Address: 575, 585 S. Rademacher St.; 612 S. Reid St. City/State: Detroit, MI Property Tax ID number: 18007602-8; 18007566 Other: MDOT Parcel 5185_COMB	Address: 6440, 6448 South Street City/State: Detroit, MI Property Tax ID number: 18000244-5 Other: MDOT Parcel 5338	
Address: 566, 572 S. Rademacher Street City/State: Detroit, MI Property Tax ID number: 18007832-3 Other: MDOT Parcel 5276	Address: 6436 South Street City/State: Detroit, MI Property Tax ID number: 18000246 Other: MDOT Parcel 5339	
Address: 542, 548, 554, 560 S. Rademacher Street City/State: Detroit, MI Property Tax ID number: 18007828-31 Other: MDOT Parcel 5275	Address: 6424 South Street City/State: Detroit, MI Property Tax ID number: 18000247 Other: MDOT Parcel 5345	
Address: 536 S. Rademacher Street City/State: Detroit, MI Property Tax ID number: 18007827 Other: MDOT Parcel 5274	Address: 505 S. Crawford Street City/State: Detroit, MI Property Tax ID number: 18007343 Other: MDOT Parcel 5291	



Address: 514, 520 S. Rademacher St.; 6603 South St. City/State: Detroit, MI Property Tax ID number: 18000205-6, 18000203 Other: MDOT Parcel 5273	Address: 509, 515, 521, 527 S. Crawford Street City/State: Detroit, MI Property Tax ID number: 18007339-42 Other: MDOT Parcel 5290
Address: 6536 South Street City/State: Detroit, MI Property Tax ID number: 18000237 Other: MDOT Parcel 5325	Address: 533 S. Crawford Street City/State: Detroit, MI Property Tax ID number: 18007338 Other: MDOT Parcel 5289
Address: 6530 South Street City/State: Detroit, MI Property Tax ID number: 18000238 Other: MDOT Parcel 5326	Address: 539, 545 S. Crawford Street City/State: Detroit, MI Property Tax ID number: 18007336-7 Other: MDOT Parcel 5288
Address: 6524 South Street City/State: Detroit, MI Property Tax ID number: 18000239 Other: MDOT Parcel 5327	Address: 605 S. Crawford Street City/State: Detroit, MI Property Tax ID number: 18007335 Other: MDOT Parcel 5287
Address: 6518 South Street City/State: Detroit, MI Property Tax ID number: 18000240 Other: MDOT Parcel 5328	Address: 6401, 6405, 6411, 6427 Holly Street City/State: Detroit, MI Property Tax ID number: 18000183.002-5L Other: MDOT Parcel 5207
Address: 6502, 6506, 6512 South Street City/State: Detroit, MI Property Tax ID number: 18000241-3 Other: MDOT Parcel 5329	Address: 611 S. Reid Street City/State: Detroit, MI Property Tax ID number: 18007534 Other: MDOT Parcel 5282

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



# MAP OF PROPERTY TAX ID NUMBERS

	ADDRESS	TAX ID	MDOT PARCEL #
A	251 S WATERMAN	18008081	5323
B	6536 SOUTH	18000237	5325
C	6530 SOUTH	18000238	5326
D	6524 SOUTH	18000239	5327
E	6518 SOUTH	18000240	5328
F	6512 SOUTH	18000241	5329
G	6506 SOUTH	18000242	5329
H	6502 SOUTH	18000243	5329
I	6448 SOUTH	18000244	5338
J	6440 SOUTH	18000245	5338
K	6436 SOUTH	18000246	5339
L	6424 SOUTH	18000247	5345
M	6420 SOUTH	18000248	5346
N	6414 SOUTH	18000249	5346
O	6410 SOUTH	18000250	5346
P	6402 SOUTH	18000251-68	5346
Q	340 S LIVERNOIS	18007215-8	5348
R	6611 SOUTH	18000204	5273
S	6603 SOUTH	18000203	5273
T	514 S RADEMACHER	18000205	5273
U	520 S RADEMACHER	18000206	5273
V	536 S RADEMACHER	18007827	5274
W	542 S RADEMACHER	18007828	5275
X	548 S RADEMACHER	18007829	5275
Y	554 S RADEMACHER	18007830	5275
Z	560 S RADEMACHER	18007831	5275
AA	566 S RADEMACHER	18007832	5276
BB	572 S RADEMACHER	18007833	5276
CC	576 S RADEMACHER	18007834	5277
DD	584 S RADEMACHER	18007835	5277
EE	575 S RADEMACHER	18007603-8	5185_COMB
FF	585 S RADEMACHER	18007602	5185_COMB
GG	591 S RADEMACHER	18007601	5185_COMB
HH	612 S REID	18007566	5185_5278
II	620 S REID	18007567	5185_COMB
JJ	630 S REID	18007568	5185_COMB
KK	611 S REID	18007534	5282
LL	621 S REID	18007533	5281
MM	6427 HOLLY	18000183.005L	5207
NN	6411 HOLLY	18000183.003	5207
OO	6405 HOLLY	18000183.004	5207
PP	6401 HOLLY	18000183.002	5207
QQ	632 S CRAWFORD	18007510.001	5207
RR	505 S CRAWFORD	18007343	5291
SS	509 S CRAWFORD	18007342	5290
TT	515 S CRAWFORD	18007341	5290
UU	521 S CRAWFORD	18007340	5290
VV	527 S CRAWFORD	18007339	5290
WW	533 S CRAWFORD	18007338	5289
XX	539 S CRAWFORD	18007337	5288
YY	545 S CRAWFORD	18007336	5288
ZZ	605 S CRAWFORD	18007335	5287
AAA	609 S CRAWFORD	18007334	5286



\* All locations approximate. Not a legal survey.

Coordinate System: UTM Zone 17 N IntFt  
 Projection: Transverse Mercator  
 Datum: NAD 1983 GORS96

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



**FIGURE 1**  
 PROPERTY TAX ID NUMBERS  
 ADJACENT TO MDOT 5279  
 Gordie Howe International Bridge  
 Detroit, Michigan

DATE 10/26/2017	DRAWN BY AMK	DESIGNED BY LHK	PROJECT NO. MDOT0070
--------------------	-----------------	--------------------	-------------------------

Date Saved: 10/26/2017 3:32:22 PM  
 Path: S:\Projects\Project K-C\MDOT0070\ENGAPPS\GIS\Map\_Files\Notification Maps\5279\_ver2\_TaxID\_Landscape.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 December 21, 2002? (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  
(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 FIGURES 2, 3, & 4**



TABLE 1

## DEQ NOTICE OF MIGRATION ATTACHMENT

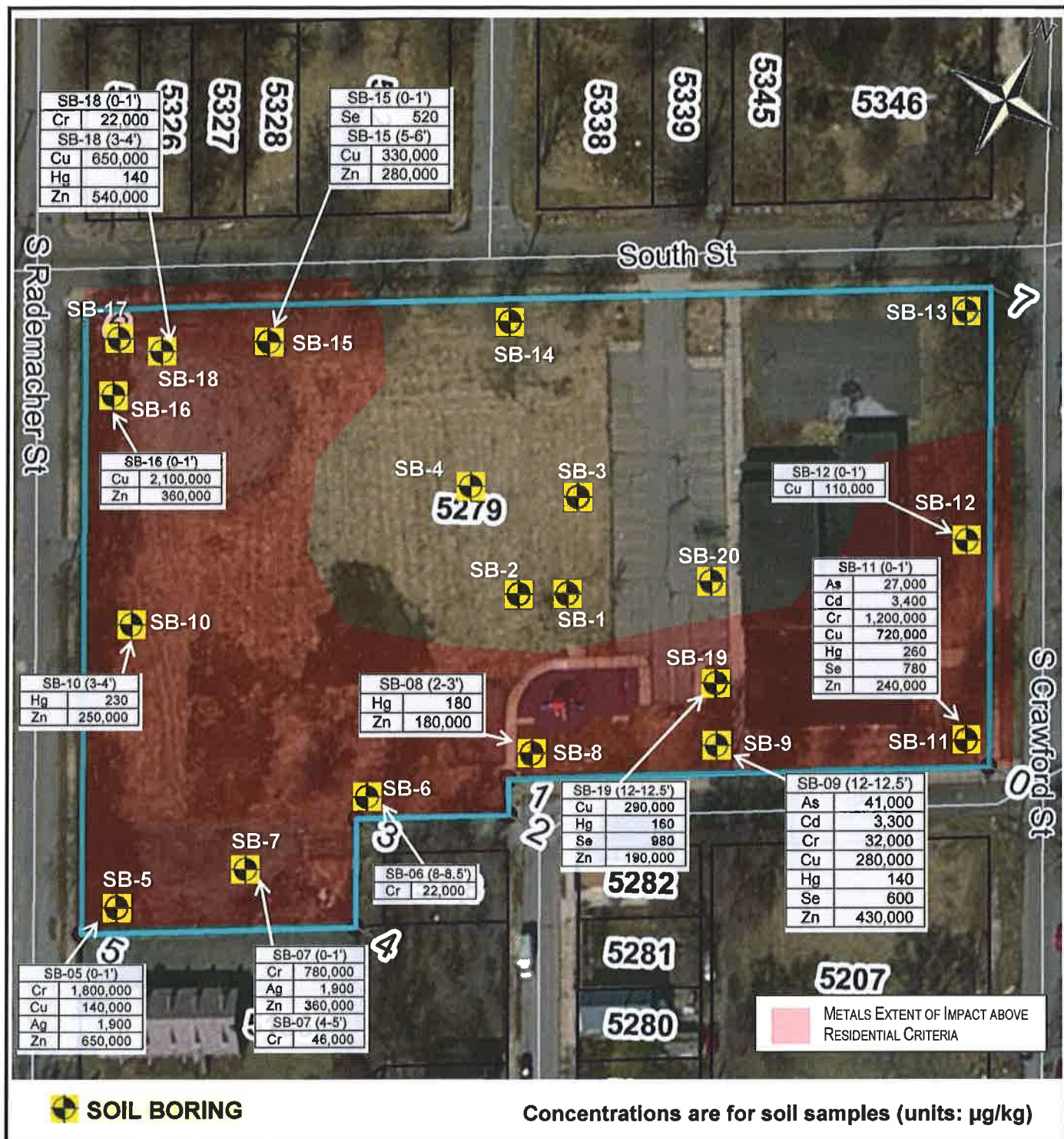
A	B	C	D	E	F	G	H	I	J
Hazardous Substance	CAS Number	Maximum Concentration	Sample Location for "C"	Environmental Medium for "C"	Distance to Property Boundary	Direction of Migration	Boundary Concentration	Sample Location for "H"	Environmental Medium for "H"
Benzene	71-43-2	440	5279_SB-08_2-3_S_TEC_20170223	Soil	15 feet	Unknown	-	-	-
1,2-Dichlorobenzene	95-50-1	360	5279_SB-09_12-12.5_S_TEC_20170223	Soil	15 feet	Unknown	-	-	-
Tetrachloroethylene	127-18-4	900	5279_SB-16_8.5-9.5_S_TEC_20170222	Soil	15 feet	Unknown	-	-	-
Trichloroethylene	79-01-6	130	5279_SB-04_2-3_S_TEC_20170222	Soil	105 feet	Unknown	-	-	-
Xylenes (Total)	1330-20-7	2,300	5279_SB-08_2-3_S_TEC_20170223	Soil	15 feet	Unknown	-	-	-
Benzo(a)pyrene	50-32-8	2,900	5279_SB-11_0-1_S_TEC_20170223	Soil	15 feet	Unknown	-	-	-
Fluoranthene	206-44-0	7,500	5279_SB-11_0-1_S_TEC_20170223	Soil	15 feet	Unknown	-	-	-
Phenanthrene	85-01-8	3,700	5279_SB-11_0-1_S_TEC_20170223	Soil	15 feet	Unknown	-	-	-
Arsenic	7440-38-2	41,000	5279_SB-11_0-1_S_TEC_20170223	Soil	15 feet	Unknown	-	-	-
Cadmium	7440-43-9	3,400	5279_SB-09_12-12.5_S_TEC_20170223	Soil	15 feet	Unknown	-	-	-
Chromium (Total)	7440-47-3	1,800,000	5279_SB-05_0-1_S_TEC_20170224	Soil	15 feet	Unknown	-	-	-
Copper	7440-50-8	2,100,000	5279_SB-16_0-1_S_TEC_20170222	Soil	15 feet	Unknown	-	-	-
Mercury	7439-97-6	260	5279_SB-09_12-12.5_S_TEC_20170223	Soil	15 feet	Unknown	-	-	-
Selenium	7782-49-2	980	5279_SB-19_12-12.5_S_TEC_20170224	Soil	50 feet	Unknown	-	-	-
Silver	7440-22-4	1,900	5279_SB-05_0-1_S_TEC_20170224	Soil	15 feet	Unknown	-	-	-
Zinc	7440-66-6	650,000	5279_SB-07_0-1_S_TEC_20170224	Soil	35 feet	Unknown	-	-	-
Total PCBs	1336-36-3	1,300	5279_SB-05_0-1_S_TEC_20170224	Soil	15 feet	Unknown	-	-	-
Arsenic	7440-38-2	66	5279_SB-01_0-0.5_S_TEC_20170223	Soil	105 feet	Unknown	-	-	-
Barium	7440-39-3	680	5279_SB-12_5-10_GW_TEC_20170223	Groundwater	15 feet	Unknown	-	-	-
Chromium (Total)	7440-47-3	75	5279_SB-18_6.5-11.5_GW_TEC_20170222	Groundwater	25 feet	Unknown	-	-	-
Copper	7440-50-8	310	5279_SB-18_6.5-11.5_GW_TEC_20170222	Groundwater	25 feet	Unknown	-	-	-
Lead	7439-92-1	110	5279_SB-18_6.5-11.5_GW_TEC_20170222	Groundwater	25 feet	Unknown	-	-	-
Mercury	7439-97-6	0.37	5279_Dup-01_GW_TEC_20170222*	Groundwater	25 feet	Unknown	-	-	-
Selenium	7782-49-2	24	5279_SB-07_6-11_GW_TEC_20170224	Groundwater	35 feet	Unknown	-	-	-
Silver	7440-22-4	0.40	5279_SB-18_6.5-11.5_GW_TEC_20170222	Groundwater	25 feet	Unknown	-	-	-
Zinc	7440-66-6	430	5279_Dup-01_GW_TEC_20170222*	Groundwater	25 feet	Unknown	-	-	-
			5279_SB-18_6.5-11.5_GW_TEC_20170222	Groundwater	25 feet	Unknown	-	-	-

Total Number of Samples Collected: 54 soil, 6 groundwater.

Total Number of Samples Exceeding Criteria: 23 soil, 6 groundwater.

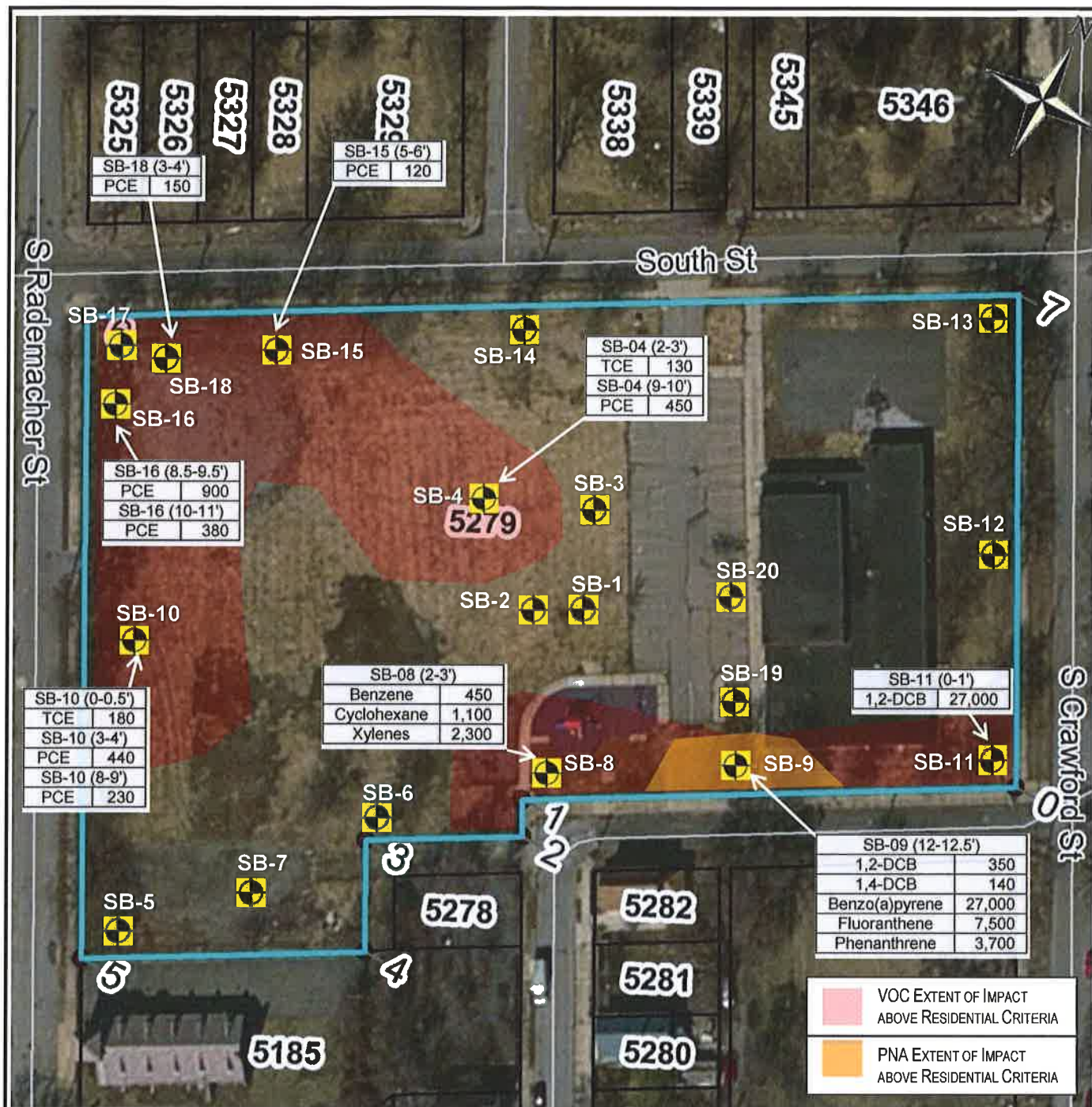
## Footnotes:

\* Duplicate sample corresponding to 5279\_SB-18\_6.5-11.5\_GW\_TEC\_20170222



	Testing Engineers & Consultants, Inc. 1343 Rochester Rd Troy, MI 48063	Preliminary Site Investigation Gordie Howe International Bridge 6501 South St Detroit, MI 48209	MDOT Parcel 5279 TEC Project: 56920-02 Approx. scale: 1" = 84' Date: 2017/05/25	Figure 2 Extent of Metal Impact (Residential)
--	--	--	--	---





	Testing Engineers & Consultants, Inc. 1343 Rochester Rd Troy, MI 48083	Preliminary Site Investigation Gordie Howe International Bridge 6501 South St Detroit, MI 48209	MDOT Parcel 5279 TEC Project: 56920-02 Approx. scale: 1" = 84' Date: 2017/05/25	Figure 3 Extent of VOC & PNA Impact (Residential)
--	--	--	--	---





 **SOIL BORING**

	Testing Engineers & Consultants, Inc. 1343 Rochester Rd Troy, MI 48083	Preliminary Site Investigation Gordie Howe International Bridge 6501 South St Detroit, MI 48209	MDOT Parcel 5279 TEC Project: 56920-02 Approx. scale: 1" = 84' Date: 2017/05/25	Figure 4 Extent of PCB TSCA HOA Level Impact
---	--	--	--	---