



July 6, 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 330/340 S. Livernois Avenue, Detroit, MI, Tax ID 18007215-8 (MDOT Parcel 5348) and/or
279 S. Reid Street, Detroit, MI, Tax ID 18007543-4 (MDOT Parcel 5416)
Potentially toward S. Livernois Avenue, South Street, S. Crawford Street, S. Reid Street, Hesse Street, alley rights-of-
way, and/or vacated Sword Avenue, Bayonet Avenue, Infantry Avenue, Hesse Street, and alley easements
Notification No. 5348.5416-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 330/340 South Livernois Avenue and 279 South Reid Street, Detroit, Michigan ("the Site") in relation to the Gordie Howe International Bridge project underway in the vicinity of the rights-of-way 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

TECHNICAL SKILL.
CREATIVE SPIRIT.

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

5348.5416.Notice Cover Letter.DetroitDPW.docx

RECEIVED JUL 11 2018



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/degduccare, 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/degduccare.

THIS NOTICE IS PROVIDED PURSUANT TO: R 299.51017 MCL 324.20114(1)

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) Parcel 5348
Address: 330/340 S. Livernois Avenue
Location: Michigan
City/County: Detroit/Wayne

Owner
Operator

Property Tax Identification Number, or if applicable, the ward and item number: 18007215-8

Latitude (decimal degrees): 42.302783 °N Longitude (decimal degrees): -83.101765 °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.):

Former J&L Specialty Steel; Part 201 Site ID 82001717; Notice of Approved Environmental Remediation NAER-ERD-01-004; BEA No. 200503006LV; GHIB MDOT Parcel 5348_5348; 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: 303 S. Livernois Ave. City/State: Detroit, MI Property Tax ID number: 16016914-20 Other: City of Detroit Water Department	Notified? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Date: July 6, 2018
Address: 409 S. Livernois Ave. City/State: Detroit, MI Property Tax ID number: 16016910-3 Other: DTE Electric Company	Notified? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Date: July 6, 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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Date: July 6, 2018
Address: 2 Woodward Avenue, Ste. 611 City/State: Detroit, MI, 48226 Property Tax ID number: NA Other: City of Detroit (S. Livernois Avenue, South Street, and S. Crawford Street right-of-ways adjacent to, and vacated Sword Avenue, Bayonet Avenue, Infantry Avenue, and alley easements within, 330/340 S. Livernois Avenue/18007215-8)	Notified? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Date: July 6, 2018



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
REMEDIATION AND REDEVELOPMENT DIVISION

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: July 6, 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: July 6, 2018

Address: 12775 Lydon Street
City/State: Detroit, MI, 48227
Property Tax ID number: NA
Other: Comcast/Xfinity (utility holder)
Notified? No Yes Date: July 6, 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: July 6, 2018

Address: One Energy Plaza, Ste. 1935
City/State: Detroit, MI, 48226
Property Tax ID number: NA
Other: Detroit Edison, DTE (utility holder, potential interest and/or easement holder)
Notified? No Yes Date: July 6, 2018

Address: 735 Randolph Street
City/State: Detroit, MI, 48226
Property Tax ID number: NA
Other: Detroit Water & Sewerage Department (utility holder)
Notified? No Yes Date: July 6, 2018

Address: 3245 E. Jefferson Avenue, Ste. 100
City/State: Detroit, MI, 48207
Property Tax ID number: NA
Other: Detroit Health Department
Notified? No Yes Date: July 6, 2018

The following surrounding parcels are owned by MDOT:
Notified? No Yes Date: July 6, 2018

Address: 437 S. Livernois Ave.
City/State: Detroit, MI
Property Tax ID number: 16016907-9
Other: MDOT Parcel 5349

Address: 320 S. Livernois Ave.
City/State: Detroit, MI
Property Tax ID number: 18007214
Other: MDOT Parcel 5452

Address: 501 S. Crawford St.
City/State: Detroit, MI
Property Tax ID number: 18007344-56
Other: MDOT Parcel 5451

Address: 300 S. Livernois Ave.
City/State: Detroit, MI
Property Tax ID number: 18007213
Other: MDOT Parcel 5453

(Attach additional pages as needed) PLEASE SEE ATTACHED 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? | <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 Date July 6, 2018
(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, on behalf of Michigan Department of Transportation

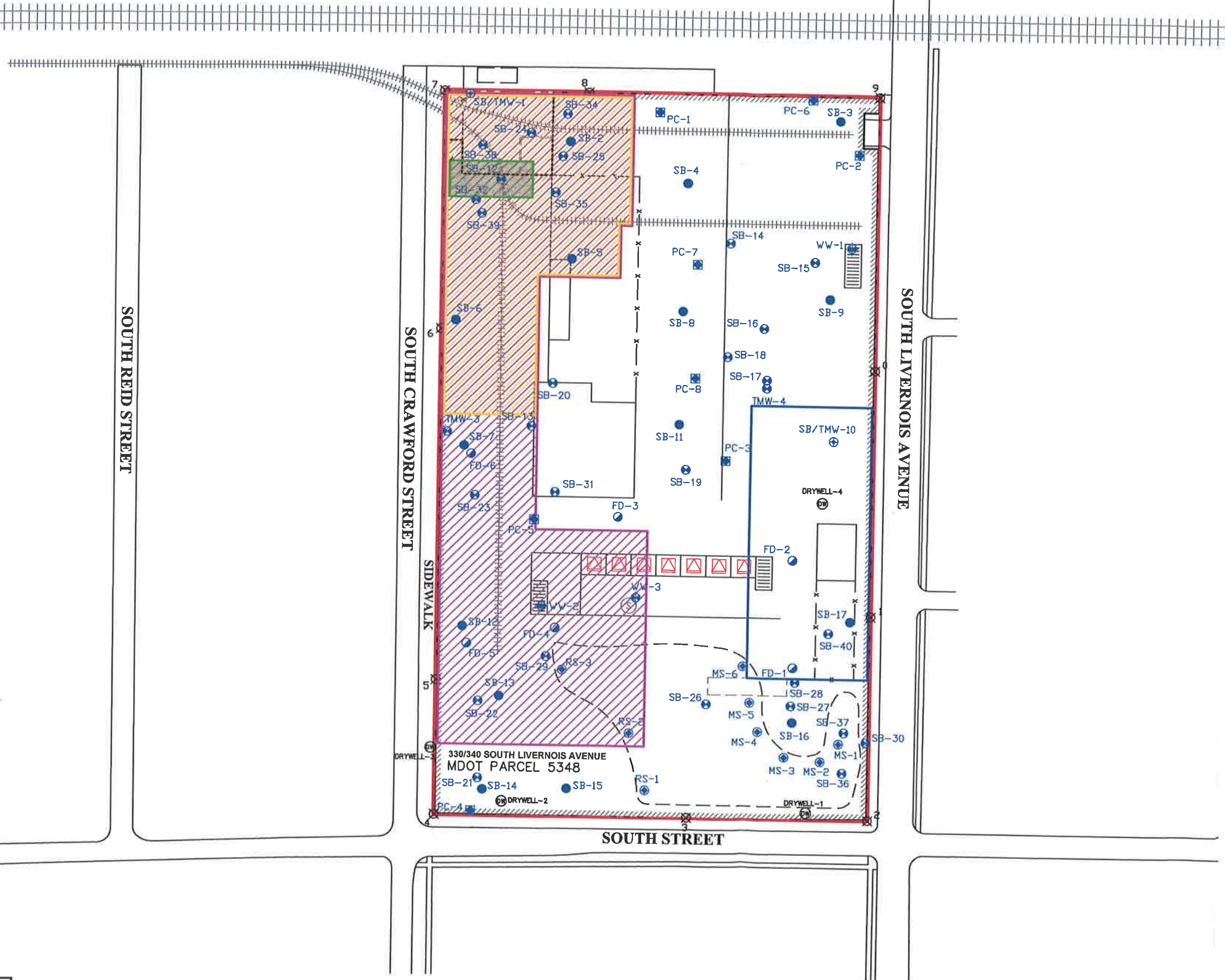
TABLE 1
DEQ NOTICE OF MIGRATION ATTACHMENT

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"
Tetrachloroethylene	127-18-4	290	5348_SB-02_0-2_S_PM_20170727	Soil	55 feet	Unknown	-	-	-
Trichloroethylene	79-01-6	150	5348_SB-02_0-2_S_PM_20170727	Soil	55 feet	Unknown	-	-	-
Benzo(a)pyrene	50-32-8	10,000	5348_SB-01_0-2_S_PM_20170727	Soil	5 feet	Unknown	-	-	-
Carbazole	86-74-8	1,200	5348_SB-01_0-2_S_PM_20170727	Soil	5 feet	Unknown	-	-	-
Fluoranthene	206-44-0	21,000	5348_SB-01_0-2_S_PM_20170727	Soil	5 feet	Unknown	-	-	-
Methylphenols	1319773	610	5348_SB-11_0-2_S_PM_20170728	Soil	215 feet	Unknown	-	-	-
Naphthalene	91-20-3	1,000	5348_SB-08_7-9_S_PM_20170728	Soil	215 feet	Unknown	-	-	-
Phenanthrene	85-01-8	26,000	5348_SB-01_0-2_S_PM_20170727	Soil	5 feet	Unknown	-	-	-
Arsenic	7440-38-2	130,000	5348_SB-02_0-2_S_PM_20170727	Soil	55 feet	Unknown	-	-	-
Cadmium	7440-43-9	8,300	5348_SB-12_0-2_S_PM_20170728	Soil	30 feet	Unknown	-	-	-
Chromium (Hexavalent)	18540-29-9	10,000	5348_SB-12_0-2_S_PM_20170728	Soil	30 feet	Unknown	-	-	-
Copper	7440-50-8	800,000	5348_SB-13_0-2_S_PM_20170727	Soil	70 feet	Unknown	-	-	-
Lead - Total (calculated)	7439-92-1	610,000	5348_SB-13_0-2_S_PM_20170727	Soil	70 feet	Unknown	-	-	-
Lead - Fine Fraction	7439-92-1	740,000	5348_SB-13_0-2_S_PM_20170727	Soil	70 feet	Unknown	-	-	-
Nickel	7440-02-0	1,100,000	5348_SB-12_0-2_S_PM_20170728	Soil	30 feet	Unknown	-	-	-
Selenium	7782-49-2	8,300	5348_SB-12_0-2_S_PM_20170728	Soil	30 feet	Unknown	-	-	-
Vanadium	7440-62-2	290,000	5348_SB-01_0-2_S_PM_20170727	Soil	5 feet	Unknown	-	-	-
Zinc	7440-66-6	1,900,000	5348_SB-01_0-2_S_PM_20170727	Soil	5 feet	Unknown	-	-	-
Arsenic	7440-38-2	12	5348_SB-12_0-2_S_PM_20170728	Soil	30 feet	Unknown	-	-	-
Nickel	7440-02-0	61	5348_SB-10_6-11_GW_PM_20170727	Groundwater	45 feet	Unknown	-	-	-
Arsenic	7440-38-2	35,000	5348_FD-05_0-0_S_PM_20170727	Groundwater	45 feet	Unknown	-	-	-
Barium	7440-39-3	310,000	5348_CS-09_0-0_S_PM_20170727	Debris	35 feet	Unknown	-	-	-
Cadmium	7440-43-9	3,700	5348_CS-05_0-0_S_PM_20170727	Debris	50 feet	Unknown	-	-	-
Copper	7440-50-8	1,100,000	5348_CS-05_0-0_S_PM_20170728	Debris	145 feet	Unknown	-	-	-
Lead - Fine Fraction	7439-92-1	440,000	5348_FD-06_0-0_S_PM_20170728	Debris	145 feet	Unknown	-	-	-
Mercury	7439-97-6	400	5348_CS-05_0-0_S_PM_20170728	Debris	35 feet	Unknown	-	-	-
Nickel	7440-02-0	1,100,000	5348_MS-01_0-0_S_PM_20170728	Debris	145 feet	Unknown	-	-	-
Selenium	7782-49-2	8,700	5348_MS-02_0-0_S_PM_20170728	Debris	35 feet	Unknown	-	-	-
Silver	7440-22-4	830	5348_FD-02_0-0_S_PM_20170728	Debris	55 feet	Unknown	-	-	-
Vanadium	7440-62-2	130,000	5348_CS-05_0-0_S_PM_20170728	Debris	90 feet	Unknown	-	-	-
Zinc	7440-66-6	660,000	5348_FD-02_0-0_S_PM_20170728	Debris	145 feet	Unknown	-	-	-
			5348_FD-06_0-0_S_PM_20170728	Debris	90 feet	Unknown	-	-	-
				Debris	35 feet	Unknown	-	-	-

Total Number of Samples Collected: 43 soil, 2 groundwater, 20 various debris *

Total Number of Samples Exceeding Criteria: 43 soil, 1 groundwater, 17 various debris *

* various debris = floor dirt (FD), mill scale (MS), & rock salt (RS) from above the ground surface, and concrete floor (CS) samples. Concrete floor sample locations correspond to soil boring (SB) locations.



LEGEND:

- SUBJECT PROPERTY
- APPROXIMATE FORMER/HISTORICAL SITE FEATURES
- FENCE
- RAIL ROAD TRACKS
- FORMER RAIL ROAD SPUR
- PARCEL CORNER
- PAD MOUNTED TRANSFORMER
- SUMP
- DRY HOLE / WELL
- STAIRS
- SOIL BORING (PM 2017)
- SOIL BORING / TEMPORARY MONITORING WELL (PM 2017)
- PREVIOUS CONSULTANT SAMPLE LOCATION (SUPERIOR 2000)
- FLOOR DIRT SAMPLE (PM 2017)
- PAINT CHIP SAMPLE (PM 2017)
- MILL SCALE AND ROAD SALT SAMPLE (PM 2017)
- WASTE WATER SAMPLE (PM 2017)
- ESTIMATED EXTENT OF SOIL IMPACT ABOVE THE PART 201 RESIDENTIAL DC GCC
- ESTIMATED EXTENT OF SOIL IMPACT ABOVE THE PART 201 RESIDENTIAL AND NONRESIDENTIAL DC GCC
- ESTIMATED EXTENT OF PCB CONCENTRATIONS THAT EXCEED CLEANUP LEVELS FOR HIGH OCCUPANCY AREA WITH OR WITHOUT A CAP (10,000 ppm)
- ESTIMATED EXTENT OF SOIL IMPACT ABOVE THE PART 201 RESIDENTIAL GCC
- ESTIMATED EXTENT OF GROUNDWATER IMPACT ABOVE THE PART 201 RESIDENTIAL GCC

NOTE: SOME PROPERTY FEATURES AND BORING LOCATIONS HAVE BEEN ADAPTED FROM FIGURE 2 -SITE PLAN; DRW# DT 792-CA (8/17/2000) INCLUDED IN THE SUPERIOR ENVIRONMENTAL CLOSURE / INTERIM REMEDIAL ACTION PLAN REPORT (1/15/2001)



FIGURE 2
SAMPLE LOCATION MAP WITH ESTIMATED EXTENT OF SOIL AND GROUNDWATER IMPACT

PROJ: 330/340 SOUTH LIVERNOIS AVENUE MDOT PARCEL 5348 DETROIT, MI		
THIS IS NOT A LEGAL SURVEY	DRN BY: KS	DATE: 8/29/2017
VERIFY SCALE	CHKD BY: NL	SCALE: 1" = 120'
FILE NAME: 01-7940-1-013F00R00		



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.

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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) Parcel 5416
Address: 279 S. Reid Street
Location: Michigan
City/County: Detroit/Wayne
Property Tax Identification Number, or if applicable, the ward and item number: 18007543-4

Owner
Operator

Latitude (decimal degrees): 42.302466 °N Longitude (decimal degrees): 83.103721 °W

Reference Point for Latitude and Longitude:
Center of Site: Main/front door: Front gate/main entrance: Other:

Collection Method: Survey: Interpolation: GPS:

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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.):

Former J&L Specialty Steel; Part 201 Site ID 82001717; Notice of Approved Environmental Remediation NAER-ERD-01-004; BEA No. 200503006LV; GHIB MDOT Parcel 5348_5416; 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

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Address: 2 Woodward Avenue, Ste. 611 City/State: Detroit, MI, 48226 Property Tax ID number: NA Other: City of Detroit (S. Reid Street, S. Crawford Street, Hesse Street, alley, and vacated Hesse Street and alleys adjacent to 279 S. Reid Street / 18007543-4)	Notified? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	Date: July 6, 2018
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: July 6, 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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	Date: July 6, 2018
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: July 6, 2018

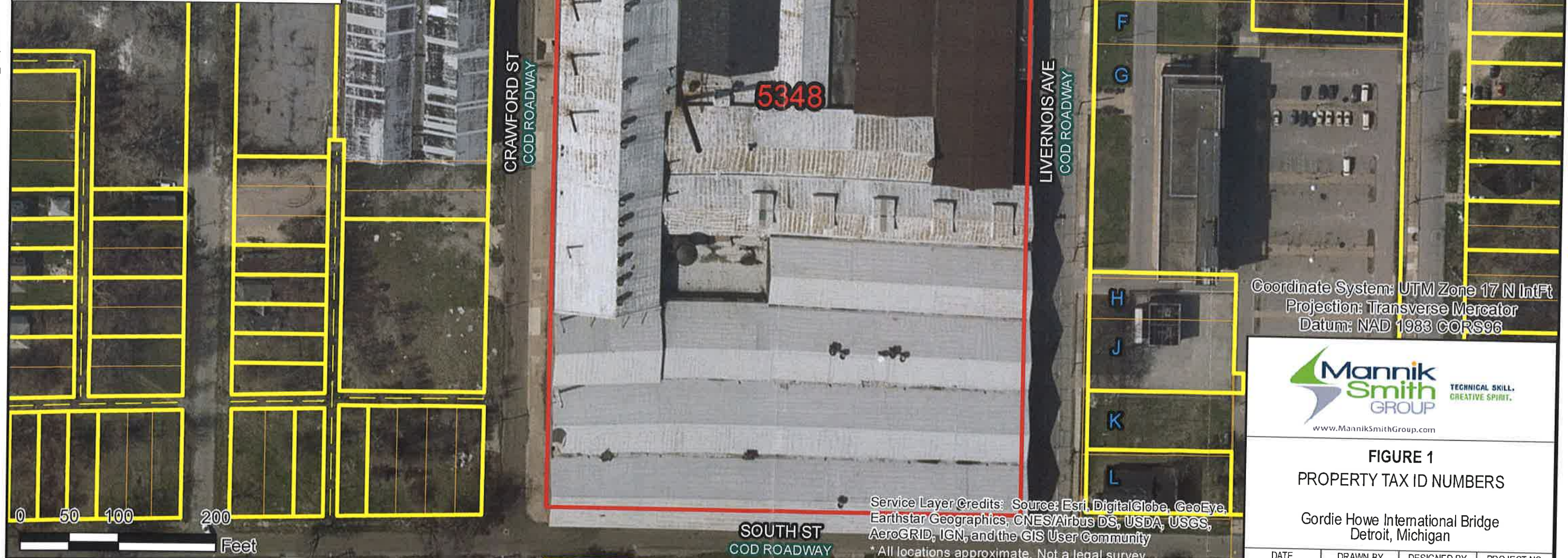


Address: 735 Randolph Street City/State: Detroit, MI, 48226 Property Tax ID number: NA Other: Great Lakes Water Authority (utility holder)	Notified? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Date: July 6, 2018
Address: 12775 Lydon Street City/State: Detroit, MI, 48227 Property Tax ID number: NA Other: Comcast/Xfinity (utility holder)	Notified? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Date: July 6, 2018
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: July 6, 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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Date: July 6, 2018
Address: 3245 E. Jefferson Avenue, Ste. 100 City/State: Detroit, MI, 48207 Property Tax ID number: NA Other: Detroit Health Department	Notified? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Date: July 6, 2018
The following surrounding parcels are owned by MDOT: Notified? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Date: July 6, 2018	
Address: 260, 288, 294 S. Crawford Street City/State: Detroit, MI Property Tax ID number: 18007501-8 Other: MDOT Parcel 5417	Address: 276 S. Reid Street City/State: Detroit, MI Property Tax ID number: 18007545 Other: MDOT Parcel 5449 (5411_5449)
Address: 281, 289, 295 S. Reid Street City/State: Detroit, MI Property Tax ID number: 18007540-2 Other: MDOT Parcel 5344	Address: 288 S. Reid Street City/State: Detroit, MI Property Tax ID number: 18007559 Other: MDOT Parcel 5413
Address: 282 S. Reid Street City/State: Detroit, MI Property Tax ID number: 18007546-58 Other: MDOT Parcel 5415 (5411_5415)	Address: 100 S. Crawford Street City/State: Detroit, MI Property Tax ID number: 18007500 Other: MDOT Parcel 5450

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

MAP OF PROPERTY TAX ID NUMBERS

ADDRESS	TAX ID
A 501 S CRAWFORD	1800734456
B 300 S LIVERNOIS	18007213
C 320 S LIVERNOIS	18007214
D 340 S LIVERNOIS	180072158
E 303 S LIVERNOIS	1601691420
F 303 S LIVERNOIS	1601691420
G 303 S LIVERNOIS	1601691420
H 409 S LIVERNOIS	160169103
J 409 S LIVERNOIS	160169103
K 409 S LIVERNOIS	160169103
L 437 S LIVERNOIS	160169079



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

FIGURE 1
PROPERTY TAX ID NUMBERS

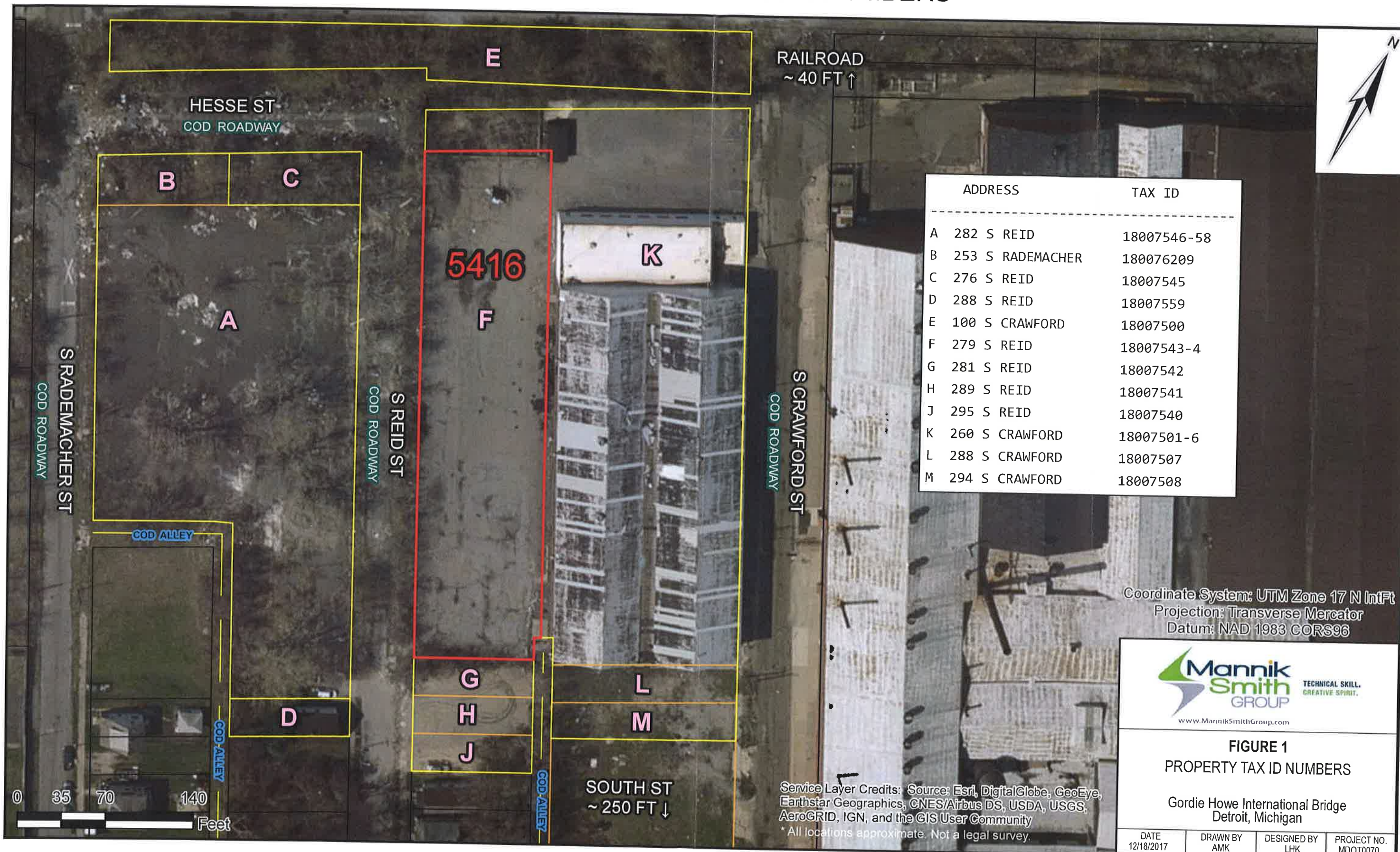
Gordie Howe International Bridge
Detroit, Michigan

DATE	DRAWN BY	DESIGNED BY	PROJECT NO.
4/27/2018	MH	LHK	MDOT0070

Date Saved: 4/27/2018 8:15:21 AM
Path: S:\Projects\Project K-OWMDO T0070\ENGAPP\S\GIS\Map_Files\Notification Maps\5348_TaxID_Map.mxd

5348
 MDOT PARCELS
 PARCEL BOUNDARIES

MAP OF PROPERTY TAX ID NUMBERS



	ADDRESS	TAX ID
A	282 S REID	18007546-58
B	253 S RADEMACHER	180076209
C	276 S REID	18007545
D	288 S REID	18007559
E	100 S CRAWFORD	18007500
F	279 S REID	18007543-4
G	281 S REID	18007542
H	289 S REID	18007541
J	295 S REID	18007540
K	260 S CRAWFORD	18007501-6
L	288 S CRAWFORD	18007507
M	294 S CRAWFORD	18007508

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



FIGURE 1
 PROPERTY TAX ID NUMBERS

Gordie Howe International Bridge
 Detroit, Michigan

DATE 12/18/2017	DRAWN BY AMK	DESIGNED BY LHK	PROJECT NO. MDOT0070
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Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 * All locations approximate. Not a legal survey.

Date Saved: 12/18/2017 4:37:40 PM
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5416
 MDOT PARCELS
 PARCEL BOUNDARIES



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
(Owner or person legally authorized to bind the person making this report)

Date July 6, 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



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 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.

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 2a AND 2b**

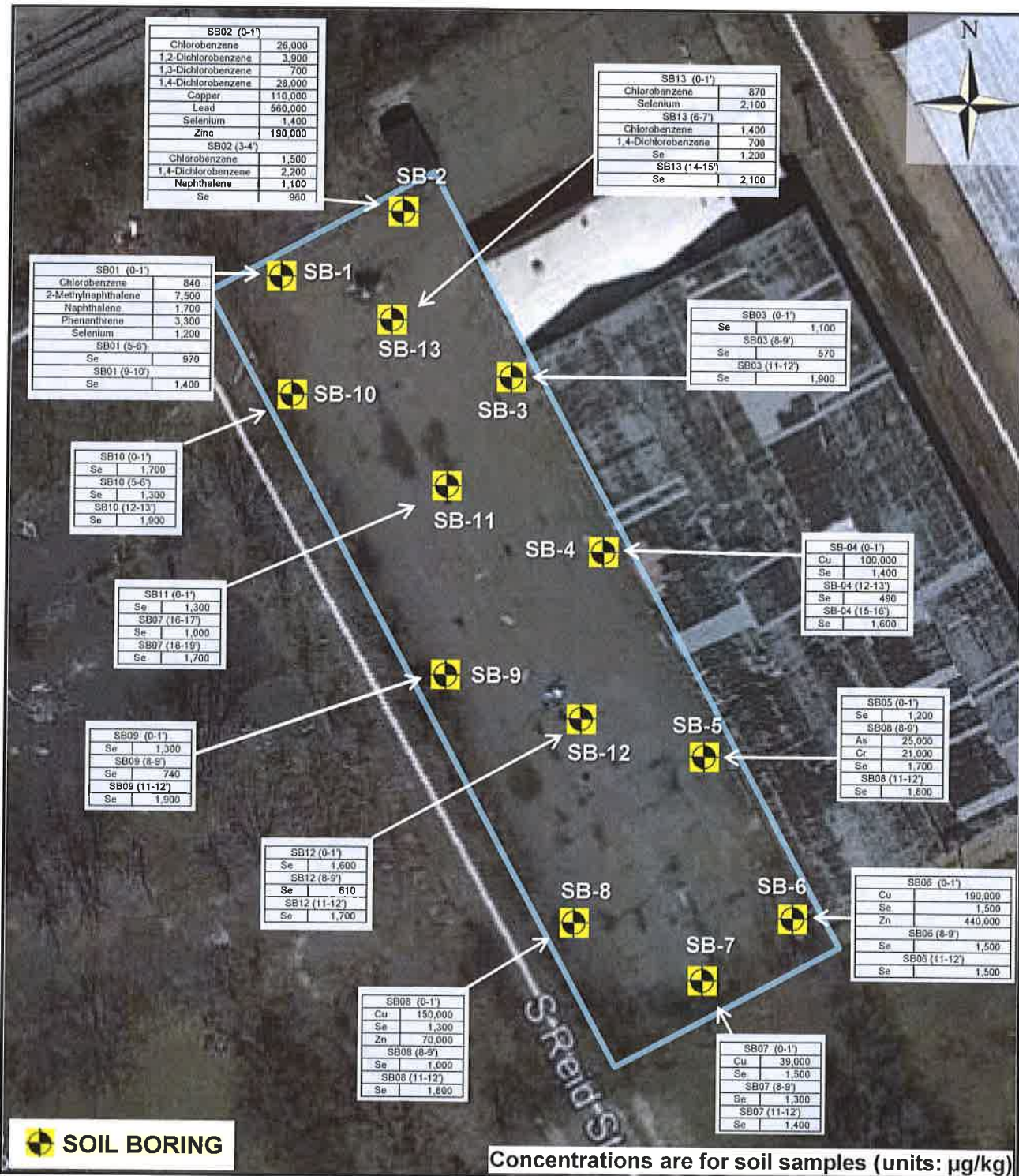
TABLE 1

DEQ NOTICE OF MIGRATION ATTACHMENT

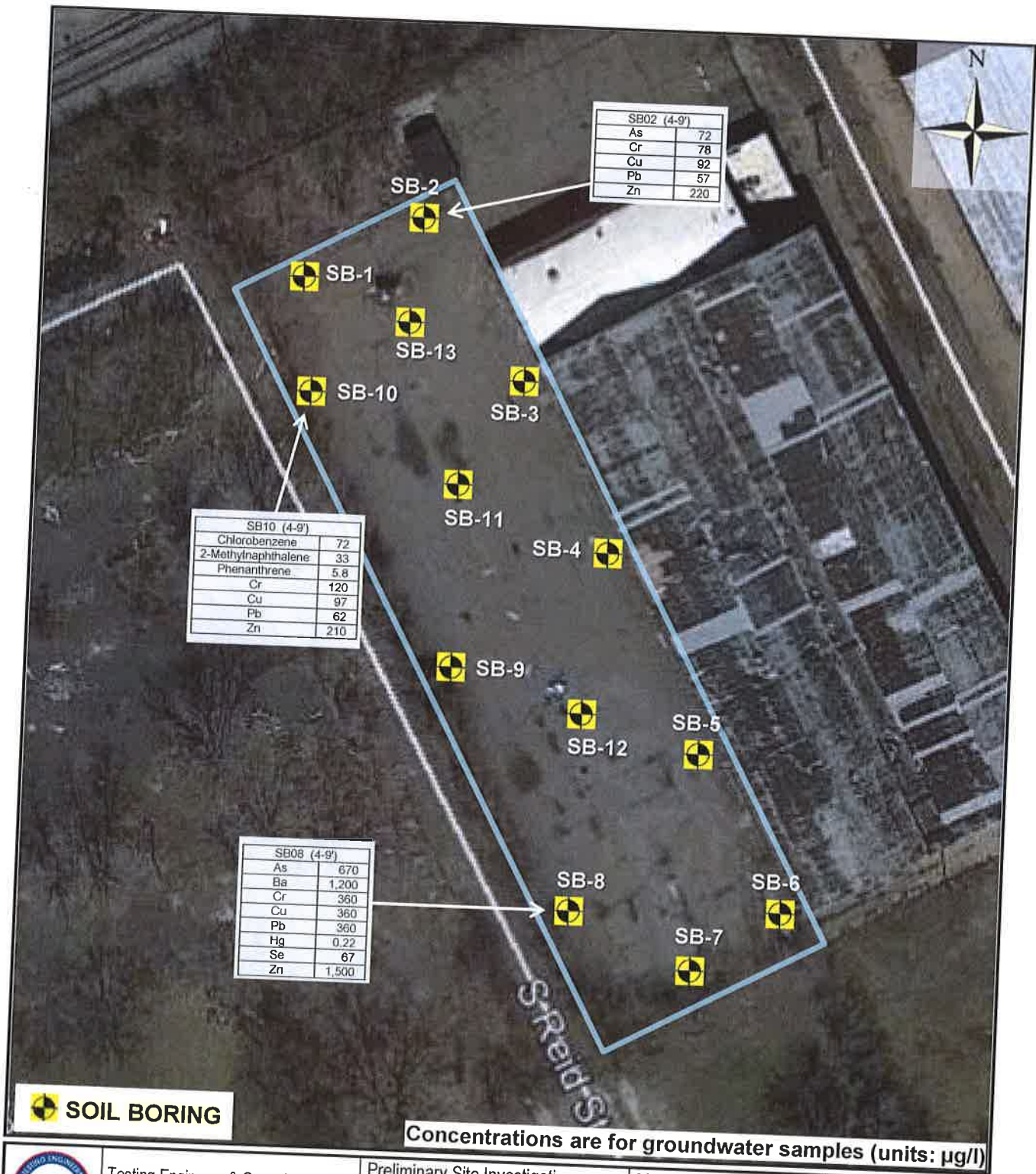
A	B	C	D	E	F	G	H	I	J
Hazardous Substance	CAS Number	Maximum Concentration	Sample Location for "C"	Environmental Medium for "C"	Distance to Property Boundary	Direction of Migration	Boundary Concentration	Sample Location for "H"	Environmental Medium for "H"
Chlorobenzene	108-90-7	26,000	5416_SB02_0-1_S_TEC_20170727	Soil	10 feet	Unknown	-	-	-
1,2-Dichlorobenzene	95-50-1	3,900	5416_SB02_0-1_S_TEC_20170727	Soil	10 feet	Unknown	-	-	-
1,3-Dichlorobenzene	541-73-1	700	5416_SB02_0-1_S_TEC_20170727	Soil	10 feet	Unknown	-	-	-
1,4-Dichlorobenzene	106-46-7	28,000	5416_SB02_0-1_S_TEC_20170727	Soil	10 feet	Unknown	-	-	-
2-Methylnaphthalene	91-57-6	7,500	5416_SB01_0-1_S_TEC_20170727	Soil	10 feet	Unknown	-	-	-
Naphthalene	91-20-3	1,700	5416_SB01_0-1_S_TEC_20170727	Soil	10 feet	Unknown	-	-	-
Phenanthrene	85-01-8	3,300	5416_SB01_0-1_S_TEC_20170727	Soil	10 feet	Unknown	-	-	-
Arsenic	7440-38-2	25,000	5416_SB05_8-9_S_TEC_20170728	Soil	15 feet	Unknown	-	-	-
Chromium (Total)	7440-47-3	21,000	5416_SB05_8-9_S_TEC_20170728	Soil	15 feet	Unknown	-	-	-
Copper	7440-50-8	190,000	5416_SB06_0-1_S_TEC_20170728	Soil	10 feet	Unknown	-	-	-
Lead - Total (calculated)	7439-92-1	560,000	5416_SB02_0-1_S_TEC_20170727	Soil	10 feet	Unknown	-	-	-
Lead - Fine Fraction	7439-92-1	940,000	5416_SB02_0-1_S_TEC_20170727	Soil	10 feet	Unknown	-	-	-
Selenium	7782-49-2	2,100	5416_SB13_14-15_S_TEC_20170728	Soil	45 feet	Unknown	-	-	-
Zinc	7440-66-6	440,000	5416_SB13_14-15_S_TEC_20170728	Soil	45 feet	Unknown	-	-	-
Chlorobenzene	108-90-7	72	5416_SB06_0-1_S_TEC_20170728	Soil	10 feet	Unknown	-	-	-
2-Methylnaphthalene	91-57-6	33	5416_SB10_4-9_GW_TEC_20170727	Groundwater	10 feet	Unknown	-	-	-
Phenanthrene	85-01-8	5.8	5416_SB10_4-9_GW_TEC_20170727	Groundwater	10 feet	Unknown	-	-	-
Arsenic	7440-38-2	670	5416_SB10_4-9_GW_TEC_20170727	Groundwater	10 feet	Unknown	-	-	-
Barium	7440-39-3	1,200	5416_SB08_4-9_GW_TEC_20170727	Groundwater	10 feet	Unknown	-	-	-
Chromium (Total)	7440-47-3	360	5416_SB08_4-9_GW_TEC_20170727	Groundwater	10 feet	Unknown	-	-	-
Copper	7440-50-8	360	5416_SB08_4-9_GW_TEC_20170727	Groundwater	10 feet	Unknown	-	-	-
Lead	7439-92-1	360	5416_SB08_4-9_GW_TEC_20170727	Groundwater	10 feet	Unknown	-	-	-
Mercury	7439-97-6	0.22	5416_SB08_4-9_GW_TEC_20170727	Groundwater	10 feet	Unknown	-	-	-
Selenium	7782-49-2	67	5416_SB08_4-9_GW_TEC_20170727	Groundwater	10 feet	Unknown	-	-	-
Zinc	7440-66-6	1,500	5416_SB08_4-9_GW_TEC_20170727	Groundwater	10 feet	Unknown	-	-	-

Total Number of Samples Collected: 40 soil, 4 groundwater

Total Number of Samples Exceeding Criteria: 40 soil, 3 groundwater



	Testing Engineers & Consultants, Inc. 1343 Rochester Rd Troy, MI 48083	Preliminary Site Investigation Gordie Howe International Bridge 279 S Reid Street Detroit, MI 48209	MDOT Parcel 5416 TEC Project: 56926-02 Approx. scale: 1" = 70' Date: 2017/10/12	Figure 2a Boring Locations and Soil Exceedances
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Concentrations are for groundwater samples (units: $\mu\text{g/l}$)



Testing Engineers & Consultants, Inc.
1343 Rochester Rd
Troy, MI 48083

Preliminary Site Investigation
Gordie Howe International Bridge
279 S Reid Street
Detroit, MI 48209

MDOT Parcel 5416
TEC Project: 56926-02
Approx. scale: 1" = 70
Date: 2017/10/12

Figure 2b
Boring Locations and
Groundwater
Exceedances