



February 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 155 S. Dragoon Street, Detroit, MI, Tax ID 16016679-87 (MDOT Parcel 5456) and/or  
100 S. Military Street, Detroit, MI, Tax ID 16016504 (MDOT Parcel 5462)  
Potentially toward S. Dragoon Street right-of-way to the west, S. Military Street right-of-way to the east,  
And/or railroad right-of-way to the north  
Notification No. 5456.5462-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 155 South Dragoon Street and 100 South Military 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 properties").

The Michigan Department of Environmental Quality ("MDEQ") requires distribution of the enclosed a Notice of Migration of Contamination form when there is evidence that environmental contamination at one property has or may have affected nearby properties. Hazardous substance(s) were identified in soil and/or groundwater sample(s) collected at the Site at concentration(s) that exceed Generic Residential Cleanup Criteria and Screening Levels established by the MDEQ.

At this time, it is not known if the subject properties have been affected by the environmental contamination at the Site. Also, the identification of hazardous substance(s) at the Site does not necessarily mean a hazardous situation or immediate danger currently exists. MSG, on behalf of the MDOT, is providing this notice to you as a precautionary measure and for your general awareness of environmental conditions at the Site.

Please review the enclosed document and if you have any questions regarding the Notice of Migration of Contamination please contact Karen Williams of the MDEQ at 586-753-3884. If you have general questions regarding the contents of this letter please contact Walter Bolt of MSG at 734-397-3100, extension 6025 or Jim Woodruff of the MDOT at 517-241-9115.

Sincerely,

Walter J. Bolt, CPG  
Project Manager  
Environmental Owners Representative Consultant  
Gordie Howe International Bridge Project

CC: Jim Woodruff – MDOT  
Karen Williams – MDEQ RRD Project Manager  
Paul Max – General Manager, Environmental Affairs, City of Detroit BSEED  
Anita Harrington – Environmental Specialist II, City of Detroit BSEED

RECEIVED FEB - 9 2018

TECHNICAL SKILL.  
CREATIVE SPIRIT.

5456.5462.Notice Cover Letter.DetroitDPW.docx



For DEQ Use Only ITS # _____ Site ID # _____ Category Code: _____
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**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: \_\_\_\_\_ Status relative to the property: \_\_\_\_\_  
(Check one or both, as applicable.)

Name: MI Dept. of Transportation (MDOT) Parcels 5456 & 5462 Owner   
 Address: 155 S. Dragoon St. & 100 S. Military St. Operator   
 Location: Michigan  
 City/County: Detroit/Wayne  
 Property Tax Identification Number, or if applicable, the ward and item number: 16016679-87 & 16016504

Latitude (decimal degrees): 42.304918 °N Longitude (decimal degrees): 83.099761 °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 Parcels 5456 & 5462; 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: 125 S. Dragoon St. Notified? No  Yes  Date: February 6, 2018  
City/State: Detroit, MI  
Property Tax ID number: 16016677-8  
Other: PTDC Properties LLC

Address: 124, 136 S. Military St. Notified? No  Yes  Date: February 6, 2018  
City/State: Detroit, MI  
Property Tax ID number: 16016505-6  
Other: PTDC Properties LLC

Address: Unknown -- an approximately 60' wide strip of Notified? No  Yes  Date: February 6, 2018  
land immediately north of 155 S. Dragoon St./16016679-  
87 and 100 S. Military St./16016504, occupied by active  
Norfolk Southern railroad tracks  
City/State: Detroit, MI  
Property Tax ID number: Unavailable  
Other: Norfolk Southern Corp.

Address: 27700 Donald Court Notified? No  Yes  Date: February 6, 2018  
City/State: Warren, MI, 48092-2793  
Property Tax ID number: NA  
Other: MDEQ, Southeast Michigan District Office  
Office of Drinking Water & Municipal Assistance Division

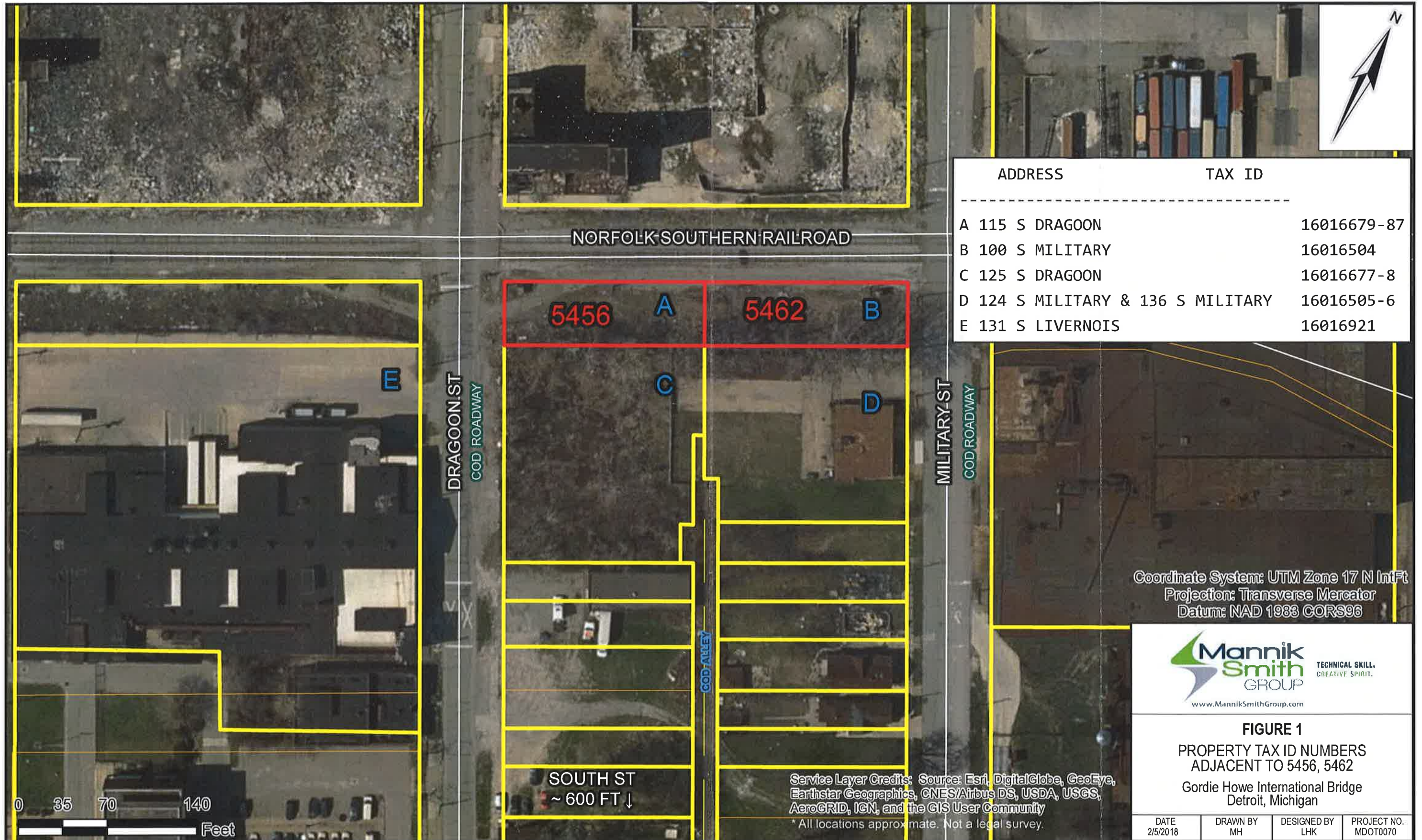


MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY  
REMEDIATION AND REDEVELOPMENT DIVISION

Address: 2 Woodward Avenue, Ste. 611 City/State: Detroit, MI, 48226 Property Tax ID number: NA Other: City of Detroit (S. Dragoon St. & S. Military St. adjacent to 155 S. Dragoon St./16016679-87 & 100 S. Military St./16016504)	Notified? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	Date: <u>February 6, 2018</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>February 6, 2018</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>February 6, 2018</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>February 6, 2018</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>February 6, 2018</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>February 6, 2018</u>
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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	Date: <u>February 6, 2018</u>
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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	Date: <u>February 6, 2018</u>

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

# MAP OF PROPERTY TAX ID NUMBERS



Date Saved: 2/5/2018 12:25:36 PM  
Path: S:\Projects\Project K-OMDOT0070\ENGAPPS\GIS\Map\_Files\Notification Maps\5456\_5462\_TaxID\_Map.mxd

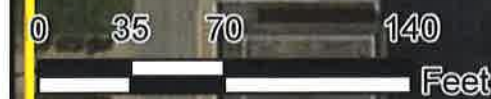
Coordinate System: UTM Zone 17 N IntFt  
Projection: Transverse Mercator  
Datum: NAD 1983 CORS96



**FIGURE 1**  
PROPERTY TAX ID NUMBERS  
ADJACENT TO 5456, 5462  
Gordie Howe International Bridge  
Detroit, Michigan

DATE 2/5/2018	DRAWN BY MH	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.



5456, 5462

MDOT PARCELS

PARCEL BOUNDARIES

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"
Xylenes (Total)	1330-20-7	1,100	5462_SB-01_0-2_S_PM_20170913	Soil	25 feet	Unknown	-	-	-
			5462_SB-03_0-2_S_PM_20170913						
Acenaphthylene	208-98-8	22,000	5462_SB-03_0-2_S_PM_20170913	Soil	25 feet	Unknown	-	-	-
			5462_SB-03_0-2_S_PM_20170913						
Benzo(a)anthracene	56-55-3	51,000	5462_SB-03_0-2_S_PM_20170913	Soil	25 feet	Unknown	-	-	-
			5462_SB-03_0-2_S_PM_20170913						
Benzo(b)fluoranthene	205-99-2	56,000	5462_SB-03_0-2_S_PM_20170913	Soil	25 feet	Unknown	-	-	-
			5462_SB-03_0-2_S_PM_20170913						
Benzo(a)pyrene	50-32-8	38,000	5462_SB-03_0-2_S_PM_20170913	Soil	25 feet	Unknown	-	-	-
			5462_SB-03_0-2_S_PM_20170913						
Carbazole	86-74-8	12,000	5462_SB-03_0-2_S_PM_20170913	Soil	25 feet	Unknown	-	-	-
			5462_SB-03_0-2_S_PM_20170913						
Dibenzo(a,h)anthracene	53-70-3	6,700	5462_SB-03_0-2_S_PM_20170913	Soil	25 feet	Unknown	-	-	-
			5462_SB-03_0-2_S_PM_20170913						
Dibenzofuran	132-64-9	15,000	5462_SB-03_0-2_S_PM_20170913	Soil	25 feet	Unknown	-	-	-
			5462_SB-03_0-2_S_PM_20170913						
Fluoranthene	206-44-0	92,000	5462_SB-03_0-2_S_PM_20170913	Soil	25 feet	Unknown	-	-	-
			5462_SB-03_0-2_S_PM_20170913						
Fluorene	86-73-7	18,000	5462_SB-03_0-2_S_PM_20170913	Soil	25 feet	Unknown	-	-	-
			5462_SB-03_0-2_S_PM_20170913						
Indeno(1,2,3-cd)pyrene	193-39-5	25,000	5462_SB-03_0-2_S_PM_20170913	Soil	25 feet	Unknown	-	-	-
			5462_SB-03_0-2_S_PM_20170913						
2-Methylnaphthalene	91-57-6	9,000	5462_SB-03_0-2_S_PM_20170913	Soil	25 feet	Unknown	-	-	-
			5462_SB-03_0-2_S_PM_20170913						
Naphthalene	91-20-3	12,000	5462_SB-03_0-2_S_PM_20170913	Soil	25 feet	Unknown	-	-	-
			5462_SB-03_0-2_S_PM_20170913						
Phenanthrene	85-01-8	120,000	5462_SB-03_0-2_S_PM_20170913	Soil	25 feet	Unknown	-	-	-
			5462_DUP-01_S_PM_20170913 *						
Arsenic	7440-38-2	59,000	5462_SB-03_0-2_S_PM_20170913	Soil	25 feet	Unknown	-	-	-
			5462_SB-03_0-2_S_PM_20170913						
Barium	7440-39-3	760,000	5456_SB-03_0-2_S_PM_20170913	Soil	15 feet	Unknown	-	-	-
			5462_SB-03_0-2_S_PM_20170913						
Cadmium	7440-43-9	7,300	5462_SB-03_0-2_S_PM_20170913	Soil	25 feet	Unknown	-	-	-
			5462_SB-03_0-2_S_PM_20170913						
Chromium (Total)	7440-47-3	54,000	5456_SB-03_0-2_S_PM_20170913	Soil	15 feet	Unknown	-	-	-
			5462_SB-03_0-2_S_PM_20170913						
Copper	7440-50-8	300,000	5462_SB-03_0-2_S_PM_20170913	Soil	25 feet	Unknown	-	-	-
			5462_SB-03_0-2_S_PM_20170913						
Lead - Total (calculated)	7439-92-1	730,000	5462_SB-03_0-2_S_PM_20170913	Soil	25 feet	Unknown	-	-	-
			5462_SB-03_0-2_S_PM_20170913						
Lead - Fine Fraction	7439-92-1	980,000	5462_SB-03_0-2_S_PM_20170913	Soil	25 feet	Unknown	-	-	-
			5462_SB-03_0-2_S_PM_20170913						
Selenium	7782-49-2	2,100	5462_SB-03_0-2_S_PM_20170913	Soil	25 feet	Unknown	-	-	-
			5462_SB-03_0-2_S_PM_20170913						
Zinc	7440-66-6	440,000	5462_SB-03_0-2_S_PM_20170913	Soil	25 feet	Unknown	-	-	-
			5462_SB-03_0-2_S_PM_20170913						
Benzo(a)pyrene	50-32-8	5,700	5462_DP-04_0-2_S_PM_20170912	Debris Pile	20 feet	Unknown	-	-	-
			5462_DP-03_0-2_S_PM_20170912						
Fluoranthene	206-44-0	12,000	5462_DP-03_0-2_S_PM_20170912	Debris Pile	10 feet	Unknown	-	-	-
			5462_DP-03_0-2_S_PM_20170912						
Naphthalene	91-20-3	900	5462_DP-03_0-2_S_PM_20170912	Debris Pile	10 feet	Unknown	-	-	-
			5462_DP-03_0-2_S_PM_20170912						
Phenanthrene	85-01-8	12,000	5462_DP-03_0-2_S_PM_20170912	Debris Pile	10 feet	Unknown	-	-	-
			5462_DP-03_0-2_S_PM_20170912						
Arsenic	7440-38-2	33,000	5456_DP-02_0-2_S_PM_20170912	Debris Pile	15 feet	Unknown	-	-	-
			5462_DP-02_0-2_S_PM_20170912						
Barium	7440-39-3	300,000	5456_DP-02_0-2_S_PM_20170912	Debris Pile	15 feet	Unknown	-	-	-
			5462_DP-02_0-2_S_PM_20170912						
Cadmium	7440-43-9	34,000	5462_DP-02_0-2_S_PM_20170912	Debris Pile	15 feet	Unknown	-	-	-
			5462_DP-02_0-2_S_PM_20170912						
Chromium (Total)	7440-47-3	98,000	5462_DP-05_0-2_S_PM_20170912	Debris Pile	15 feet	Unknown	-	-	-
			5462_DP-05_0-2_S_PM_20170912						
Copper	7440-50-8	570,000	5462_DP-03_0-2_S_PM_20170912	Debris Pile	10 feet	Unknown	-	-	-
			5462_DP-03_0-2_S_PM_20170912						
Lead - Total (calculated)	7439-92-1	790,000	5462_DUP-02_S_PM_20170912 **	Debris Pile	20 feet	Unknown	-	-	-
			5462_DP-02_0-2_S_PM_20170912						
Lead - Fine Fraction	7439-92-1	580,000	5456_DP-02_0-2_S_PM_20170912	Debris Pile	15 feet	Unknown	-	-	-
			5462_DP-02_0-2_S_PM_20170912						
Lead - Coarse Fraction	7439-92-1	1,300,000	5462_DUP-02_S_PM_20170912 **	Debris Pile	20 feet	Unknown	-	-	-
			5462_DP-02_0-2_S_PM_20170912						
Mercury	7439-97-6	390	5462_DP-02_0-2_S_PM_20170912	Debris Pile	15 feet	Unknown	-	-	-
			5462_DUP-02_S_PM_20170912 **						
Selenium	7782-49-2	3,500	5456_DP-05_0-2_S_PM_20170912	Debris Pile	20 feet	Unknown	-	-	-
			5462_DP-05_0-2_S_PM_20170912						
Silver	7440-22-4	1,100	5456_DP-05_0-2_S_PM_20170912	Debris Pile	20 feet	Unknown	-	-	-
			5456_DP-05_0-2_S_PM_20170912						
Zinc	7440-66-6	880,000	5456_DP-04_0-2_S_PM_20170912	Debris Pile	20 feet	Unknown	-	-	-
			5456_DP-04_0-2_S_PM_20170912						

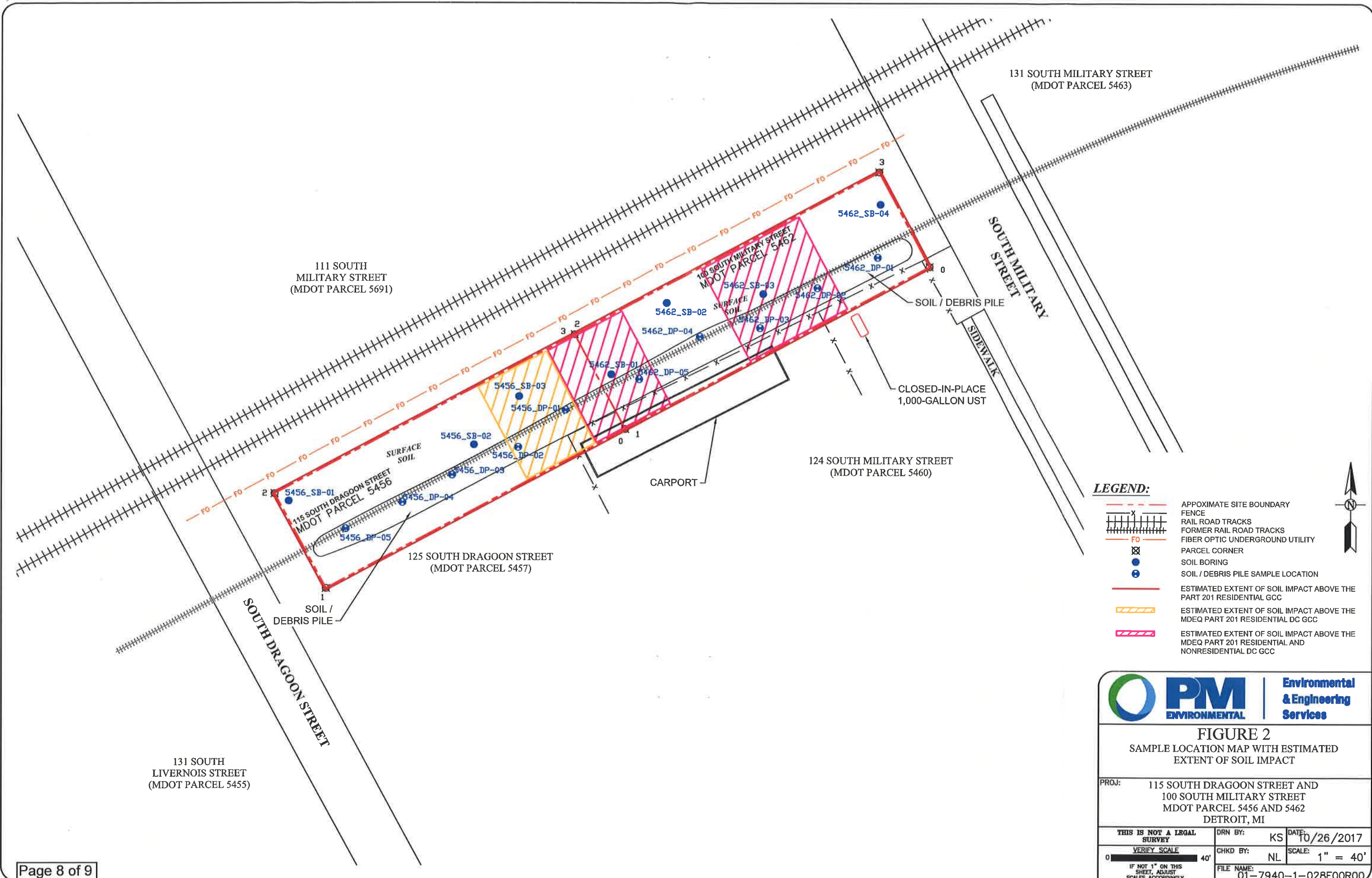
Total Number of Samples Collected: 23 soil, 11 debris pile

Total Number of Samples Exceeding Criteria: 23 soil, 11 debris pile

Footnotes:

\* Duplicate sample corresponding to 5462\_SB-01\_0-2\_S\_PM\_20170913

\*\* Duplicate sample corresponding to 5462\_DP-04\_0-2\_S\_PM\_20170912



**LEGEND:**

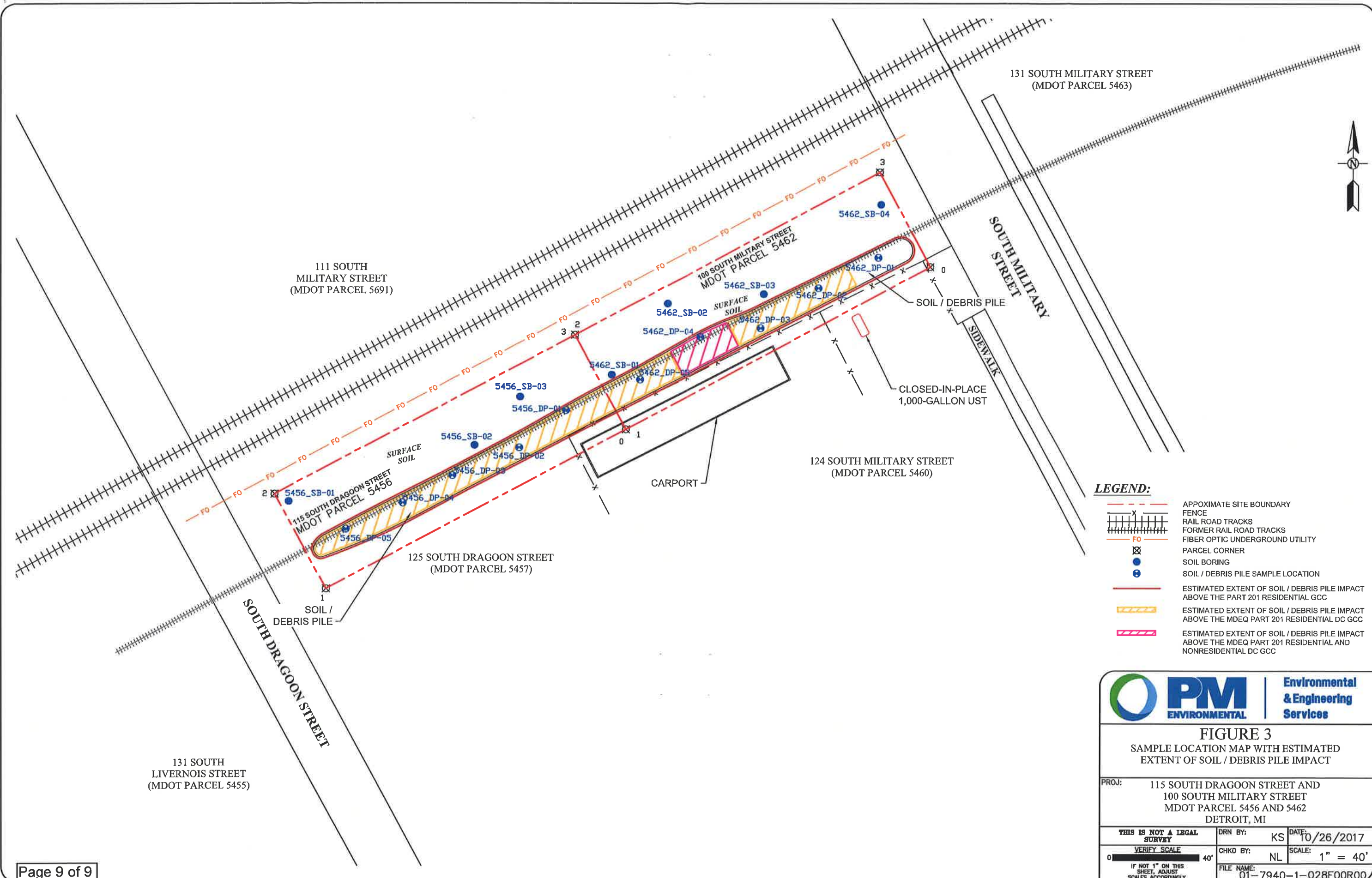
- APPROXIMATE SITE BOUNDARY
- FENCE
- RAIL ROAD TRACKS
- FORMER RAIL ROAD TRACKS
- FIBER OPTIC UNDERGROUND UTILITY
- PARCEL CORNER
- SOIL BORING
- SOIL / DEBRIS PILE SAMPLE LOCATION
- ESTIMATED EXTENT OF SOIL IMPACT ABOVE THE PART 201 RESIDENTIAL GCC
- ESTIMATED EXTENT OF SOIL IMPACT ABOVE THE MDEQ PART 201 RESIDENTIAL DC GCC
- ESTIMATED EXTENT OF SOIL IMPACT ABOVE THE MDEQ PART 201 RESIDENTIAL AND NONRESIDENTIAL DC GCC



**FIGURE 2**  
 SAMPLE LOCATION MAP WITH ESTIMATED EXTENT OF SOIL IMPACT

PROJ: 115 SOUTH DRAGON STREET AND 100 SOUTH MILITARY STREET  
 MDOT PARCEL 5456 AND 5462  
 DETROIT, MI

THIS IS NOT A LEGAL SURVEY	DRN BY: KS	DATE: 10/26/2017
VERIFY SCALE	CHKD BY: NL	SCALE: 1" = 40'
FILE NAME: 01-7940-1-028F00R00		



- LEGEND:**
- APPROXIMATE SITE BOUNDARY
  - FENCE
  - RAIL ROAD TRACKS
  - FORMER RAIL ROAD TRACKS
  - FIBER OPTIC UNDERGROUND UTILITY
  - PARCEL CORNER
  - SOIL BORING
  - SOIL / DEBRIS PILE SAMPLE LOCATION
  - ESTIMATED EXTENT OF SOIL / DEBRIS PILE IMPACT ABOVE THE PART 201 RESIDENTIAL GCC
  - ESTIMATED EXTENT OF SOIL / DEBRIS PILE IMPACT ABOVE THE MDEQ PART 201 RESIDENTIAL DC GCC
  - ESTIMATED EXTENT OF SOIL / DEBRIS PILE IMPACT ABOVE THE MDEQ PART 201 RESIDENTIAL AND NONRESIDENTIAL DC GCC



**FIGURE 3**  
 SAMPLE LOCATION MAP WITH ESTIMATED  
 EXTENT OF SOIL / DEBRIS PILE IMPACT

PROJ: 115 SOUTH DRAGOON STREET AND  
 100 SOUTH MILITARY STREET  
 MDOT PARCEL 5456 AND 5462  
 DETROIT, MI

<small>THIS IS NOT A LEGAL SURVEY</small> <small>VERIFY SCALE</small> <small>IF NOT 1" ON THIS SHEET, ADJUST SCALES ACCORDINGLY.</small>	DRN BY: KS	DATE: 10/26/2017
	CHKD BY: NL	SCALE: 1" = 40'
FILE NAME: 01-7940-1-028F00R00		