

Notice: Pursuant to ss. 292.13 and 292.55, Wis. Stats., this application must be completed to request a written determination from the Department of Natural Resources (DNR) for the off-site liability exemption or for the liability clarification regarding property affected by an off-site discharge. The Department will not consider, or act upon your application unless all sections are completed on this form and the required fee of \$700, required under ch. NR 749, Wis. Adm. Code is included. Personal information collected will be used for administrative purposes and may be provided to requester's to the extent required by Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.]

Definitions:

"Off-Site Exemption" refers to a statutory limit on liability available to a person with respect to the existence of a hazardous substance in the groundwater or soil, including sediments, on Property possessed or controlled by the person, as provided in s. 292.13, Wis. Stats. The off-site exemption is available only to persons who possess or control the affected property, who meet the requirements and criteria in the statutes. DNR provides a written determination regarding liability upon submittal of this application and the required fee.

"General Liability Clarification" refers to a written determination by the Department, as provided in s. 292.55, Wis. Stats., that clarifies the environmental liability of a person, business or another party for a specific situation. General liability clarifications can be provided in situations when the party requesting the clarification does not meet one of the requirements for the off-site exemption at the time of the application submittal, for example, does not yet own the off-site property. This application form should be used to request a written liability clarification for **property affected by an off-site discharge.**

"Property" refers to the subject property that has been impacted by hazardous substances that migrated there from a different property containing the original contamination source. The subject property is often referred to as an "off-site" or "off-source" property.

"Possession or control" refers to holding title to the property or exercising possession or control over the property by some other means, such as a lease.

[NOTE: a person with an easement doesn't have possession or control over the property; the property owner just allows the person to use part of the property for a limited purpose].

Instructions:

- Use this application to request a written determination from the Department for the off-site liability exemption or for the liability clarification regarding **property affected by an off-site discharge.** See DNR's Fact Sheet: "When Contamination Crosses a Property Line - Rights and Responsibilities of Property Owners Off-Site Limited Liability Exemption" (RR-589) for general information on eligibility requirements, liability clarification letters related to the off-site liability exemption, and property owner responsibilities. Information and these publications are available by contacting a DNR office or on the Internet at: <http://dnr.wi.gov/topic/Brownfields>.
- Complete the application and include the information that adequately shows that the required criteria are met. See Section 7 on page 4.
- Include a \$700 fee payment with this application, in accordance with ch. NR 749, Wis. Adm. Code.
- Send the completed application, fee, and supporting materials to the DNR regional office where the Property is located, as listed on page 6. Contact the person listed with any questions.
- Department staff will make every attempt to provide timely written determinations. However, the time required for the determination varies depending on the complexity of the site, and the clarity and completeness of the application and supporting documentation.
Do not use this application form to request liability clarifications for properties without off-site contamination. Contact one of the DNR regional offices or see the DNR website on the Internet for more information.

1. Applicant information for person requesting the determination.

Applicant Last Name		First	MI
Aliota		John	
Address		City	State ZIP Code
261 East Hampton Avenue		Milwaukee	WI 53217
Phone Number (include area code)	Fax Number (include area code)	E-Mail Address	
(414) 617-3367		jalimited@yahoo.com	
Contact for questions (if different than applicant) Last Name		First	MI
Schoen		Toni	
Address		City	State ZIP Code
735 North Water Street, Suite 510		Milwaukee	WI 53202
Phone Number (include area code)	Fax Number (include area code)	E-Mail Address	
(414) 225-0594	(414) 224-8383	tschoen@keyengineering.com	

Off-Site Liability Exemption and Liability Clarification Application

Form 4400-201 (R 11/14)

Page 2 of 6

2. Applicant eligibility for off-site exemption or off-site liability clarification.

Request one determination based on whether the requirements for the off-site exemption are currently met. See page 5 and sign the appropriate certification.

Off-Site Discharge Exemption – I "possess or control" the Property and I believe I meet the criteria for an off-site exemption. I request an off-site exemption letter.

I have completed Section 8a on page 5.

As the applicant, I am:

Current owner

Other* Explain your relationship to the Property or the nature of your possession or control of the Property:

*Additional documentation may be requested by the DNR to verify the applicant's possession or control of the Property. For example, if a lessee requests a determination, DNR would need a copy of the lease by which to assess whether the lessee possesses or controls the Property.

Off-site Liability Clarification – I lack one or more of the requirements for the off-site exemption as shown below. I request a liability clarification letter that explains which conditions must be met in order to qualify for the off-site liability exemption.

I have completed Section 8b on page 5.

Requirements for the off-site exemption that are missing:

1. Currently I do not possess or control the Property and

I plan to buy the Property on _____ (Date) or

I plan to lease the Property on _____ (Date) .

2. Currently no contamination has been detected on the Property but there is credible evidence that contamination has migrated onto the Property.

3. Multiple contiguous properties are believed to be affected by contamination from a known source.

4. Other: Explain the circumstances here or in an attachment.

3. Information on additional parties.

Check the appropriate box to have a copy of the determination letter sent to one or more of these parties:

<input checked="" type="radio"/> Environmental Consultant				MI	
Key Engineering Group, Ltd			Toni Schoen		
Address			City	State	ZIP Code
735 N Water Street, Suite 510			Milwaukee	WI	53202
Phone Number (include area code)	Fax Number (include area code)	E-Mail Address			
(414) 225-0594	(414) 224-8383	tschoen@keyengineering.com			
<input type="radio"/> Attorney / Other Last Name				MI	
Address			City	State	ZIP Code
Phone Number (include area code)	Fax Number (include area code)	E-Mail Address			

Off-Site Liability Exemption and Liability Clarification Application

Form 4400-201 (R 11/14)

Page 3 of 6

4. Information on Property affected by off-site discharge.

Property / Facility Name Hampton Properties, LLC					County Milwaukee		
Address 261 East Hampton Avenue			City Milwaukee		State WI	ZIP Code 53217	
Public Land Survey Coordinates			Latitude 43 6 13.0000		Longitude -87 54 26.0000		
Section 05	Range 22	Township 07 N	Datum (check only one): <input checked="" type="radio"/> NAD27 <input type="radio"/> NAD83 <input type="radio"/> 1990 Adjustment			Method	Accuracy

(Attach a list of locations if this request is for multiple properties.)

I request that DNR provide a copy of the Liability Clarification Letter to the current owner.

Current Owner (if different than applicant) Last Name				First		MI	
Address			City		State	ZIP Code	
					WI		
Phone Number (include area code)		Fax Number (include area code)		E-Mail Address			

5. Information about contamination on the impacted Property.

A. Have hazardous substances been detected on the Property or Properties?

No. If not, explain why contamination is suspected on the Property or Properties in an attachment or here:

Yes. Check all that apply: Groundwater Soil Sediment Other, describe: _____

B. Has the presence of contamination been reported to any State or local governmental agency?

No.

If yes, check all that apply: DNR Division of Emergency Government Commerce Department of Agriculture, Trade and Consumer Protection (DATCP) Other, describe: _____

Date Reported
3/19/1992

C. Is the source of the contamination known? Check only one.

No.

Yes. If yes, what is the source of the contamination?

chlorinated and petroleum VOCs from 285 East Hampton Avenue

Provide the name and address of the owner of the contamination source or source property, if known.

Owner Name Brian Cass				
Address W229 N2494 CTH F		City Waukesha	State WI	ZIP Code 53186

Suspected. If suspected to be migrating from a nearby source, what is the source and its address?

Provide the name of the owner of the suspected contamination source or source property, if known.

Owner Name				
Address		City	State	ZIP Code

6. Specific liability clarification questions relating to off-site contamination.

- I have no additional liability clarification questions.
- I request a DNR response to the questions provided to clarify my liability for the cleanup of off-site contamination to be included in the written determination (questions should be provided here or in an attachment) :
- Please refer to attached letter.

7. Property information needed for the determination of off-site exemption or off-site liability clarification.

DNR requires adequate information in order to make the determination requested in this application. Incomplete or inadequate information will delay the completion of the determination. DNR has the authority to request additional information, if needed. Include the following information with the application, if appropriate:

1. Map(s) showing Property location(s) and any suspected or known off-site contaminant source properties.
2. For any environmental data submitted, include:
 - a) Property map(s) showing sampling locations for all data submitted;
 - b) Interpretation of data signed by a qualified environmental professional, including data tables and figures that include data;
 - c) Soil boring logs;
 - d) Groundwater monitoring well construction, development and sampling logs;
 - e) Laboratory-provided data reports;
 - f) Survey information for groundwater elevations;
 - g) Chain of custody forms for all samples; and
 - h) Description of sample collection methods.

The submitted materials should document that the statutory criteria are satisfied regarding the contamination and its source as listed in A through C below.

- A. Document that there is hazardous substance contamination present in soil, groundwater and/or sediment on the Property or Properties. Examples of information include: Analytical results and interpretations for samples collected from soil, groundwater, and/or sediment on the Property, or at or near the Property line, that conclusively document the presence of a hazardous substance in one or more of these media on the Property. This information could be documented in a Phase II Environmental Assessment report, or could refer to existing reports in DNR files related to the source property.
- B. Document that the hazardous substance contamination, which is present in soil, groundwater, and/or sediment on the Property or Properties, is migrating onto the Property or Properties from an off-site source.
- Examples of information include:
1. Information identifying known or suspected discharges of the hazardous substance on neighboring property(ies), e.g., a Phase I Environmental Assessment report, information in existing reports in DNR files related to the source property.
 2. Soil, groundwater and/or sediment sample data and interpretations adequate to conclude that the hazardous substance is migrating onto the Property or Properties, such as:
 - Samples from monitoring wells located on the upgradient side of the Property or Properties (include information to establish upgradient direction), which show increasing contaminant concentrations toward the upgradient Property or Properties;
 - Off-site investigation results that provide information about groundwater flow direction and contaminant movement that convincingly document hazardous substances from a known or suspected off-site source have impacted the Property or Properties; or
 - A description of the event(s) that caused the deposit or accumulation of contaminated sediment on the affected Property or Properties and a map showing the location of the water body and elevations of the affected Property or Properties and water surface at normal flow and flood stage conditions.
- C. Document that the discharge of a hazardous substance is not from a source on the Property or Properties.
- Examples of information include:
1. Information related to historical activities, such as descriptions of chemicals used and handled, areas where chemicals were used and handled, and areas of potential discharges on the Property or Properties, e.g., a Phase I Environmental Assessment report.
 2. Where the types of hazardous substances used, handled, or discharged on the Property or Properties are the same as the hazardous substances migrating onto the Property or Properties, provide environmental information, e.g., expanded Phase II environmental assessment data, including type and volume of hazardous substances handled, generated or stored on the applicant's Property during the period of ownership and/or length of lease, and analytical results and interpretation for soil and groundwater samples collected from potential discharge areas to demonstrate that the contamination migrating onto the Property is separate and distinct from the contamination that may be on the Property.

**Off-Site Liability Exemption and
Liability Clarification Application**

Form 4400-201 (R 11/14)

Page 5 of 6

8. Sign one of the certifications below based on whether the requirements of the off-site exemption are currently met.

8a. Certification if the applicant currently meets all the requirements for the off-site liability exemption.

Applicant Certification for a Determination for the Off-Site Discharge Exemption, as provided in s. 292.13, Wis. Stats.

I certify that I possess or control the Property and have read and am familiar with the information on this application. The information on and included with this application is true, accurate and complete to the best of my knowledge.

I understand that I retain the responsibility for any hazardous substance discharges that I caused or cause, and for any discharges whose source I possess or control on the Property or on other properties.

I believe that I meet the criteria in s. 292.13, Wis. Stats., with respect to the fact that I never controlled or possessed either the source property itself, or the hazardous substances that have migrated onto the Property from the source property, nor did I cause the hazardous substance discharge for which I am seeking this written exemption.

I understand that if I fail to satisfy the statutory requirements in s. 292.13, Wis. Stats., such as failing to provide access to the Property, the DNR has the authority to revoke the off-site exemption for the Property.

Applicant Last Name	First	MI
Aliota	John	
Signature  <small>John Aliota (Sep 4, 2018)</small>	Date Signed	
	09/04/2018	

8b. Certification if applicant has not currently met all the conditions for the off-site exemption.

Applicant Certification for a Determination for Liability Clarification, as provided in s. 292.55, Wis. Stats.

I certify that I have read and am familiar with the information on this application and that the information on and included with this application is true, accurate and complete to the best of my knowledge.

I understand that I retain the responsibility for any hazardous substance discharges that I caused or cause, and for any discharges whose source I possess or control on the Property or Properties or on other properties.

It is my understanding that I have not met all the conditions for the off-site exemption at the time of this application, but I request a liability clarification determination that includes the conditions under which I or others would become eligible for the off-site discharge exemption for the Property or Properties, if I were to meet all the criteria under s. 292.13, Wis. Stats. I believe that I meet the criteria regarding the source of the contamination and the source property in s. 292.13, Wis. Stats., with respect to the fact that I never controlled or possessed either the source property itself, or the hazardous substances that have migrated onto the Property or Properties from the source property, nor did I cause the hazardous substance discharge for which I am seeking this written exemption.

I understand that if I meet the criteria in s. 292.13, Wis. Stats., and obtain the off-site liability exemption, but subsequently fail to satisfy the statutory requirements in s. 292.13, Wis. Stats., such as failing to provide access to the Property, the DNR has the authority to revoke the off-site exemption for the Property.

Applicant Last Name	First	MI
Signature	Date Signed	

Off-Site Liability Exemption and Liability Clarification Application

Form 4400-201 (R 11/14)

Page 6 of 6

9. DNR contacts and addresses for application submittals.

Send or deliver the completed request, supporting materials, and fee to the region where the property is located. Contact a DNR Regional Brownfield Specialist with any questions about this form or a specific situation involving a contaminated property

DNR NORTHERN REGION
 Attn: RR Program Assistant
 Department of Natural Resources
 223 E Steinfest Rd Antigo, WI 54409

DNR NORTHEAST REGION
 Attn: RR Program Assistant
 Department of Natural Resources
 2984 Shawano Avenue
 Green Bay WI 54313

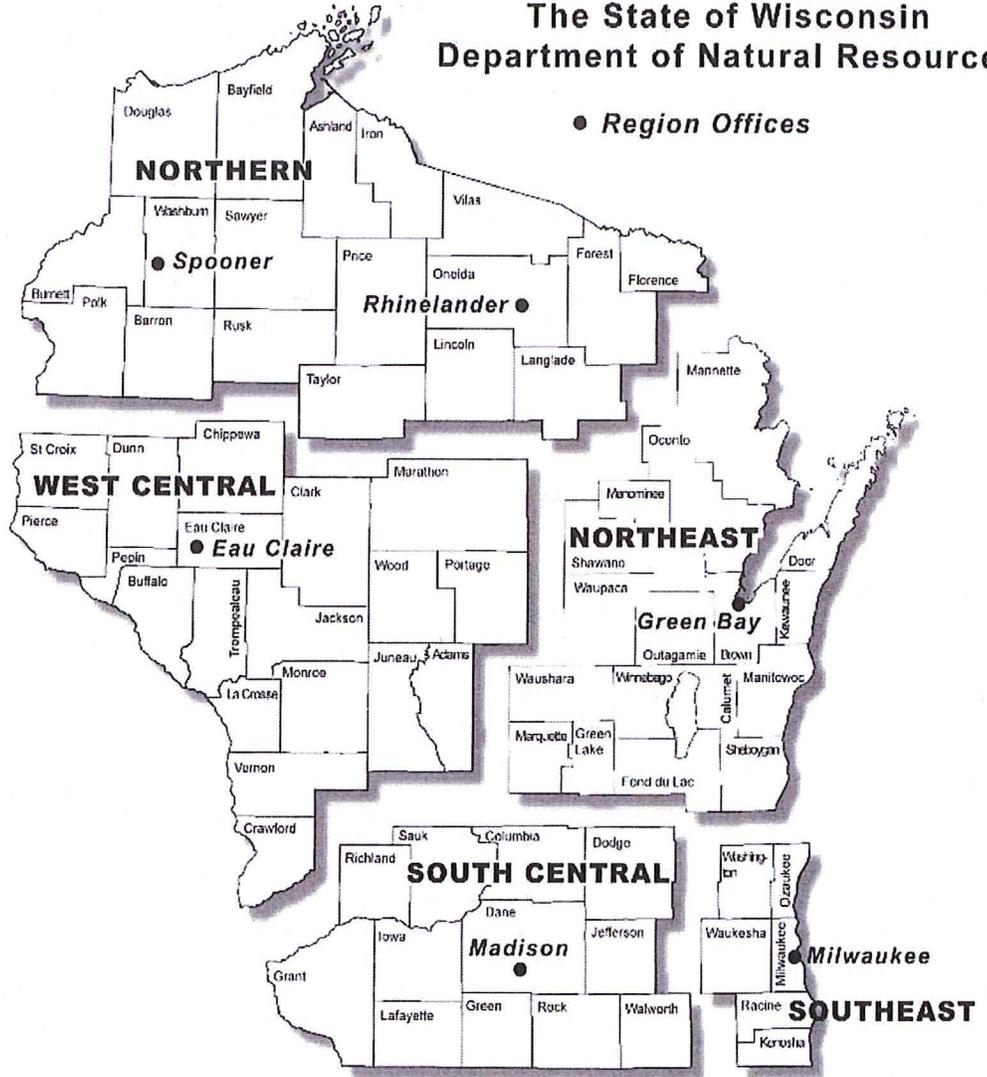
DNR SOUTH CENTRAL REGION
 Attn: RR Program Assistant
 Department of Natural Resources
 3911 Fish Hatchery Road
 Fitchburg WI 53711

DNR SOUTHEAST REGION
 Attn: RR Program Assistant
 Department of Natural Resources
 2300 North Martin Luther King Drive
 Milwaukee WI 53212

DNR WEST CENTRAL REGION
 Attn: RR Program Assistant
 Department of Natural Resources
 1300 W Clairemont Avenue
 Eau Claire WI 54702

The State of Wisconsin Department of Natural Resources

● **Region Offices**



Note: These are the Remediation and Redevelopment Program's designated regions. Other DNR program regional boundaries may be different.

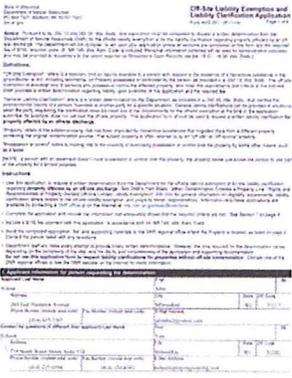
For DNR Office Use Only

Date Received	BRRTS Activity Name	BRRTS Activity Code
Date Assigned	DNR Reviewer	BRRTS FID No. (if used)
Comments		Fee Enclosed <input type="radio"/> Yes <input type="radio"/> No
Date Approved	Date Additional Information Requested	Date Withdrawn
		Date Denied

09042018140022-0001

Adobe Sign Document History

09/04/2018



Created:	09/04/2018
By:	John Kuhn (jkuhn@boerke.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAC86xNsFCTdX5Y5FsQWa8Ck2yXhgjbzccq

"09042018140022-0001" History

-  Document uploaded by John Kuhn (jkuhn@boerke.com) from Reader
09/04/2018 - 12:02:13 PM PDT - IP address: 12.125.196.202
-  Document emailed to John Aliota (jalimited@yahoo.com) for signature
09/04/2018 - 12:02:51 PM PDT
-  Document viewed by John Aliota (jalimited@yahoo.com)
09/04/2018 - 12:14:12 PM PDT - IP address: 23.115.224.162
-  Document e-signed by John Aliota (jalimited@yahoo.com)
Signature Date: 09/04/2018 - 1:41:16 PM PDT - Time Source: server- IP address: 23.115.224.162



A Division of SET Environmental, Inc.
735 North Water Street, Suite 510
Milwaukee, Wisconsin 53202
Phone (414) 224-8300
Fax (414) 224-8383

August 31, 2018

Program Assistant
Remediation & Redevelopment Program
Wisconsin Department of Natural Resources
Southeast Region Headquarters
2300 North Martin Luther King Drive
Milwaukee, Wisconsin 53212

Reference: *Request for Off-Site Liability Exemption*
249 East Hampton Avenue
Milwaukee, Wisconsin

KEY ENGINEERING GROUP, LTD.
File No. 1808-1039

Dear Program Assistant:

The purpose of this letter is to request Off-Site Liability Exemption for the property located at 249 East Hampton Avenue (Site) from the Wisconsin Department of Natural Resources (WDNR). Soil and groundwater impacts, and potential vapor impacts have migrated onto the Site from a nearby property. Key Engineering Group, Ltd. (KEY) has prepared this letter on behalf of Hampton Properties, LLC, the current property owner.

BACKGROUND INFORMATION

The Site is located at 249 East Hampton Avenue, in the City of Milwaukee, Milwaukee, County and is associated with parcel number 2420223100 (Figure 1). The Site is approximately 0.59 acres, was purchased in 1982 with a loan from a bank. The Site is located in the Northeast $\frac{1}{4}$ of the Northeast $\frac{1}{4}$ of Section 5, Township 7 North of Range 22 East in the City of Milwaukee, Milwaukee County, Wisconsin.

The Site is currently developed with a four-unit, single story commercial strip mall and a separate single-story commercial building with adjacent parking lots. The strip mall and separate building have individual addresses ranging from 245 to 261 East Hampton Avenue. However, the Milwaukee Register of Deeds lists the property with a single address. Tenants (pay rent to property owner) currently include Upper Crust Pizza, Aliota's Restaurant, Wisco Vapes, and Hampton Self-Serve Laundry in the strip mall and a Dairy Queen in the separate building.

The four properties in the commercial strip mall have basements. The separate building is slab-on-grade. A Site layout map is presented as Figure 2.

The property legal description is “COMSTOCK & WILLIAMS SUBD OF LOTS 1 TO 5 SEC 5 & SE 1/4 SEC 5 & NW ¼ SEC 4-7-22 PART LOT 133 COM 216.15' W & 57' S OF NE COR SD LOT-TH S 100'-TH E 30'-TH S 90'-TH W 10'-TH S 27.37' TO NELY LI OF ROW-TH NWLY ALG SD ROW 328'M/L TO S LI E HAMPTON AVE-TH E 227.40' TO BEG.” A Parcel Report, deed, and certified survey map is included in Attachment 1.

RATIONAL FOR OFF-SITE LIABILITY EXEMPTION REQUEST

KEY is requesting the WDNR review and provide a written determination that the Hampton Properties, LLC, the current property owner of the Site, is environmental exempt in regard to the known chlorinated and petroleum impacts that currently are documented or may continue to impact the Site in the future from the 285 East Hampton Avenue environmental releases. Below is a summary of the available onsite and offsite information to aid in preparing the liability exemption request.

Site Information

A Phase I Environmental Site Assessment (ESA) was prepared by Friess Environmental Consulting, Inc. in August 2018 for the addresses 245 to 261 East Hampton Avenue, in Milwaukee, Wisconsin. A copy of the Phase I ESA is presented in Attachment 2. Below is a summary of the key findings.

- No indication of aboveground or underground storage tanks (USTs), drums, fill piles, stressed vegetation, pools of liquids, potable wells, or septic systems were observed onsite during the site visit.
- The current tenants do not use petroleum and chlorinated VOC containing products. Historically, the tenants included Ferrante's Chicken Treat Shop, Puccini's Prepared Food, Bayshore Self-Serve Laundry, Kohler Liquor, North Shore Video, Fireside Cocktail Lounge. These tenants also did not likely use petroleum or chlorinated VOC containing products.
- There are no listing of the Site on the Environmental Protection Agency and Wisconsin Department of Natural Resources databases for the range of addresses associated with the Site.
- The current property owner has not caused a discharge of hazardous substances on the Site.
- Monitoring well MW-9 is presented in the parking lot on the north side of the building and is associated with a petroleum and chlorinated volatile organic compounds (VOCs) investigation for the property located at 285 East Hampton Avenue (One Hour Martinizing a former dry cleaner).

Off-Site Environmental Repair Program Case

An Environmental Repair Program (ERP) case (BRRTS No. 02-41-543260) is open with the WDNR for a chlorinated VOC release associated with the One Hour Martinizing located at 285 East Hampton Avenue (Property). A Site Investigation Report and a Remedial Action Options Report were submitted to the WDNR by Environmental Forensic Investigations, Inc. (EFI) in June 2015 and June 2018, respectively. The source of the release was attributed impacts “beneath the building likely due to undocumented minor spills to the floor around the former dry-cleaning machine and an outside area to the south of the building near a storage shed where both waste products and virgin dry-cleaning solvent were stored” (EFI, 2018). Copies of these reports are presented in Attachment 3.

Sample locations for the investigation are presented as Figure 3. Below are key findings from the investigation at this adjacent property.

- The Site lithology has been described as fill material overlying sand (Figures 4 and 5).
- Monitoring Well MW-9 is located on the Site (249 East Hampton Avenue).
- Tetrachloroethene (PCE) was detected in MW-9 above the protection of groundwater residual contaminant level (RCL) of 4.5 micrograms per kilogram ($\mu\text{g}/\text{kg}$) at 510 $\mu\text{g}/\text{kg}$ (Figure 6).
- PCE was detected in MW-9 above the NR140 enforcement standard (ES) of 5 micrograms per liter ($\mu\text{g}/\text{L}$) at 13.3 $\mu\text{g}/\text{L}$ in 2014 (Figure 7).
- Groundwater flow is to the northwest. The Site is downgradient of the highest soil and groundwater impacts on the property (Figure 8).
- PCE was detected above the vapor risk screening level (VRSL) of 1,800 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) on the property located at 265 East Hampton Avenue (property located between the Site and the Property) at 3,770 $\mu\text{g}/\text{m}^3$ in 2014 (Figure 9).

The RAOR recommended the injection of an amendment to accelerate the dichlorination of the chlorinated VOCs. This will require the installation of injection points and applying a pressure to inject the amendment into the formation. Caution should be taken, especially in sandy soils, when injecting as this process can “push” the contaminants outside the limits of the proposed treatment area. Further, dechlorination of PCE results in the production of vinyl chloride which has significantly lower soil, groundwater, and vapor regulatory standards and also presents the potential for impacts to migrate beyond the current limits of the investigation.

In addition, there are vapor intrusion risks at the building directly adjacent to the Site and between the dry cleaner and the Site. The WDNR indicated that they will be requiring further vapor intrusion studies at the Site building since there are concerns that further migration could have occurred over the past 4 years since the last testing was conducted.

KEY has discussed this case with the WDNR project manager, John Hnat. Mr. Hnat indicated that the Site is eligible for an off-site exemption and the contaminant plumes have migrated onto the Site.

Off-Site Leaking Underground Storage Tank Case

A leaking underground storage tank (LUST) case (BRRTS No. 03-41-002225) is closed with the WDNR for a petroleum release also associated with the Property. The Property formerly operated two 6000-gallon leaded gasoline USTs, a 550-gallon fuel oil UST, two 300-gallon fuel oil USTs, a 550-gallon waste motor oil UST, and two 4,000-gallon leaded gasoline USTs. This case was opened in March 1992 and closed in March 2017. A copy of the Geographic Information System Registry is presented in Attachment 3.

Below are key findings from the investigation at this property.

- Monitoring Well MW-9 is located on the Site (249 East Hampton Avenue).
- Benzene was detected in soil in MW-9 above the protection of groundwater and non-industrial direct contact RCLs at 20J $\mu\text{g}/\text{kg}$ (Figure 10).
- Benzene and methyl-tert-butyl-ether were detected in groundwater from MW-9, but below its respective NR140 preventive action limit (Figure 11).
- 1,2,4-trimethylbenzene was detected above its VRSLs in SSV-6 on the adjacent property located at 265 East Hampton Avenue (property located between the Site and the Property).

CONCLUSION

Based on the above data, reported soil, groundwater, and vapor impacts are present onsite or immediately adjacent to the Site, KEY is requesting written determination from the WDNR that the current property owner is environmental exempt from the associated soil, groundwater, and vapor impacts that are both present or may continue to migrate under the Site or into the Site buildings. Specifically, KEY is requesting concurrence from the WDNR that existing and potential future soil, groundwater, and vapor sampling, remediation, vapor mitigation, or other environmental efforts be the responsibility of the adjacent property (One Hour Martinizing) owner where the impacts originated from (285 East Hampton Avenue).

The Site has a sale pending that is to occur in less than 30 days. We would request that the WDNR look to expedite this request in order to assist with the sale of this property.

WDNR Form 4400-201 Off-Site Liability Exemption and Liability Clarification Application and a check for the applicable fee are included with this request. Please do not hesitate to call me at (414) 224-8300 should you have any questions regarding this submittal. We look forward to your response.

Sincerely,

KEY ENGINEERING GROUP, LTD.



Toni L. Schoen
Senior Project Manager



Kenneth W. Wein, CHMM
Principal

Attachments

- Figure 1 Site Location Map
- Figure 2 Site Aerial Map
- Figure 3 Site Plan for One Hour Martinizing
- Figure 4 Geologic Cross Section Transect Map for One Hour Martinizing
- Figure 5 Geologic Cross Section B-B' for One Hour Martinizing
- Figure 6 PCE in Soil Isoconcentration Map for One Hour Martinizing
- Figure 7 PCE in Groundwater Isoconcentration Map for One Hour Martinizing
- Figure 8 Groundwater Elevation Contour Map June 2015 for One Hour Martinizing
- Figure 9 Vapor Sample Analytical Results Map for One Hour Martinizing
- Figure 10 Soil Sample Analytical Results Map for One Hour Martinizing
- Figure 11 Groundwater Analytical Results Map 2014 for One Hour Martinizing

Attachment 1 Parcel Report, Deed, and Certified Survey Map

Attachment 2 Phase I Environmental Site Assessment

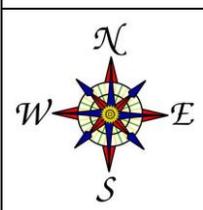
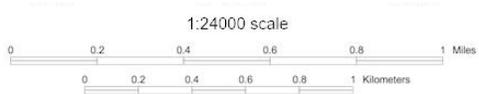
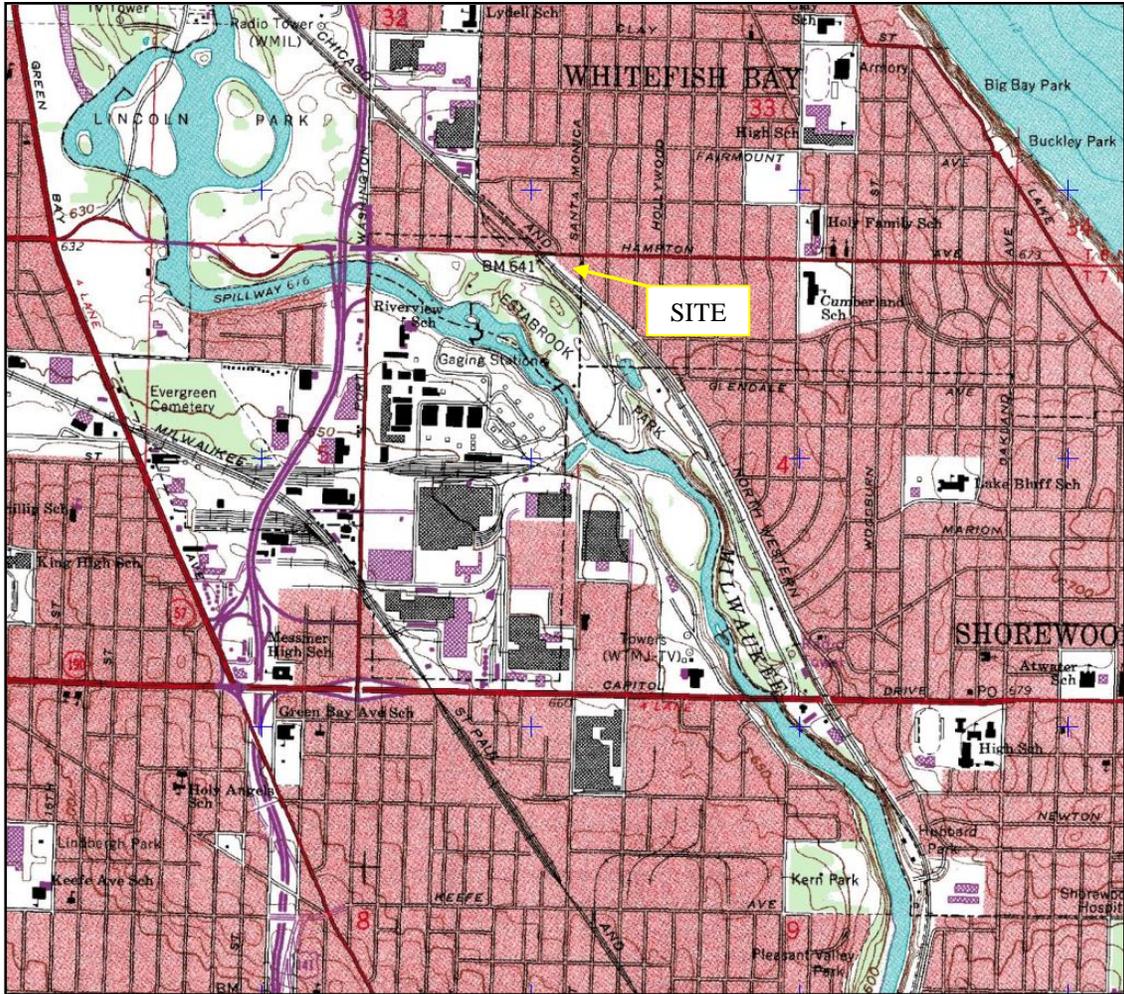
Attachment 3 Site Investigation Report, Remedial Action Options Report, and Geographic Information System Registry*

* Complete copies are available upon request.

Off-Site Liability Exemption and Liability Clarification Application (Form 4400-201) and \$700 Check are also attached.

H:\PROJECTS\2018\1808-1039 Hampton Properties\1808-1039 Off Site Liability Clarification.docx

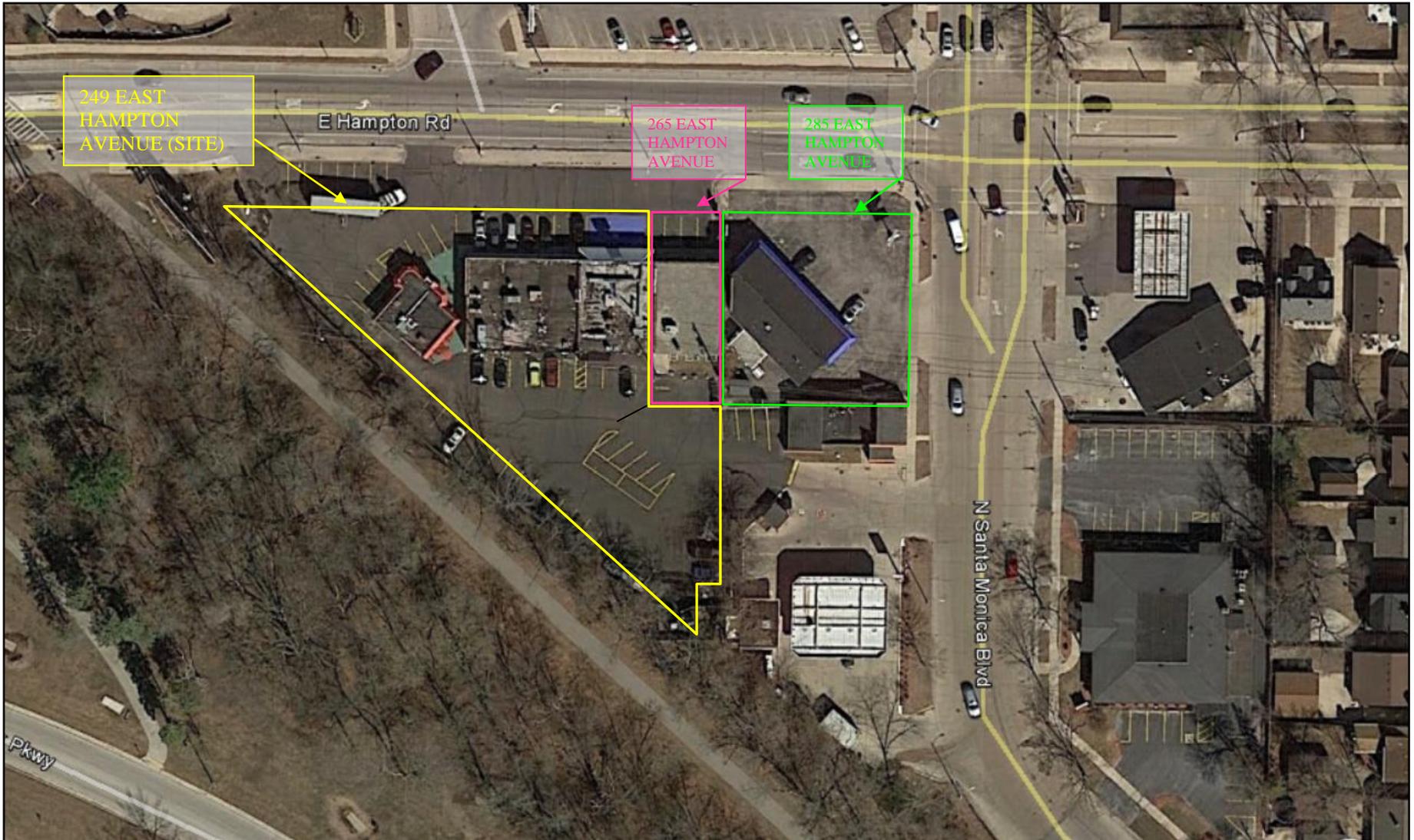
Figure



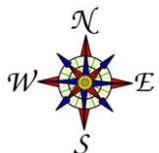
Project: 1808-1039
Map Source: United States Geologic Survey
Map Date: 1971
Quadrangle Map: Milwaukee, Wisconsin 7.5 Minute Series

FIGURE 1
SITE LOCATION MAP
249 EAST HAMPTON AVENUE
MILWAUKEE, WISCONSIN





SCALE
1 INCH = APPROXIMATELY 75 FEET



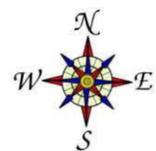
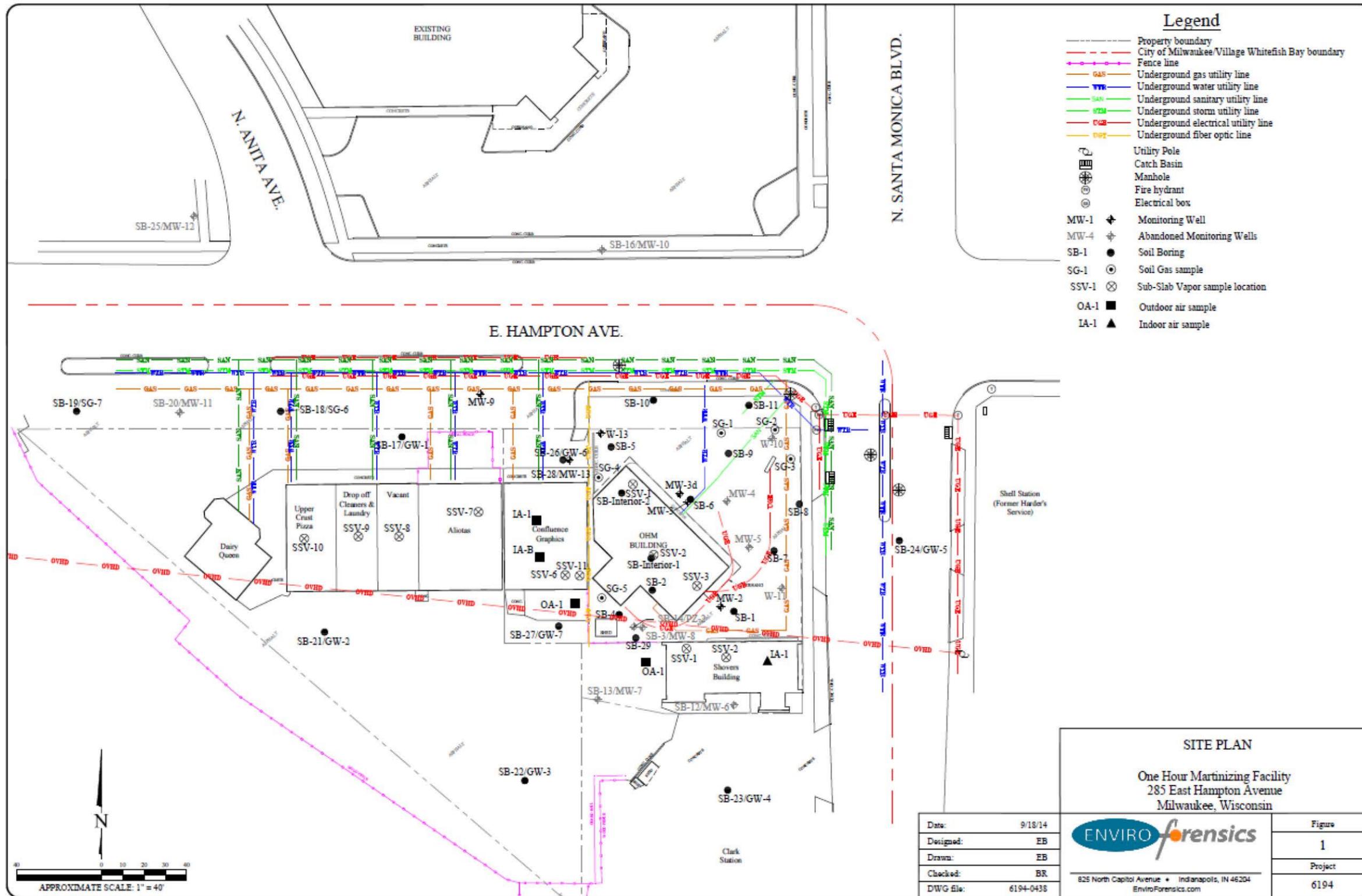
Source:
 Google Earth

Project No:
 1808-1039

Date:
 August 28, 2018

FIGURE 2
SITE AERIAL MAP
249 EAST HAMPTON AVENUE
MILWAUKEE, WISCONSIN





Source:
Enviro Forensics

Project No:
1808-1039

FIGURE 3
 SITE PLAN FOR ONE HOUR MARTINIZING
 285 EAST HAMPTON AVENUE
 MILWAUKEE, WISCONSIN



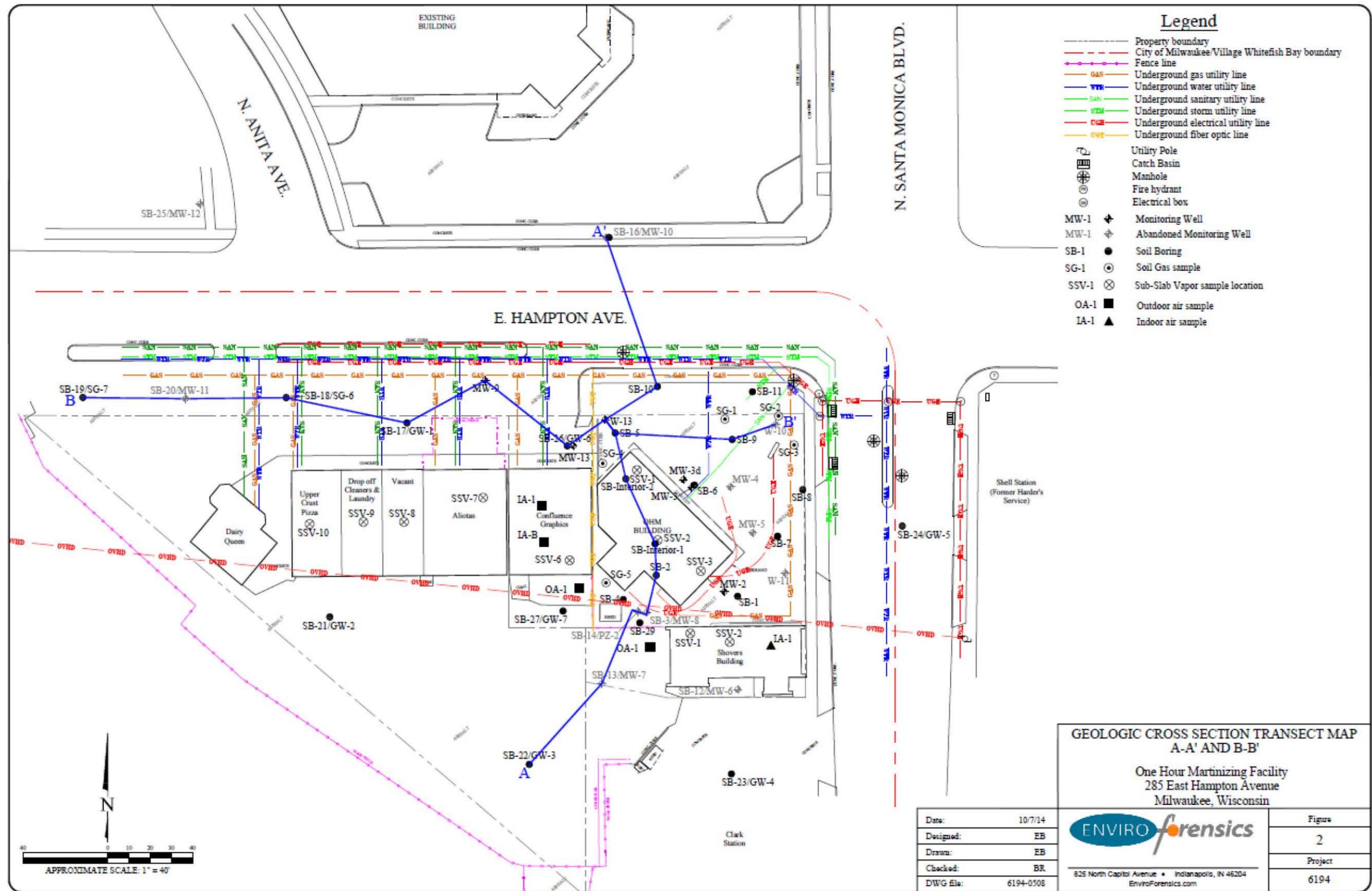


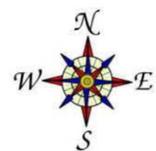
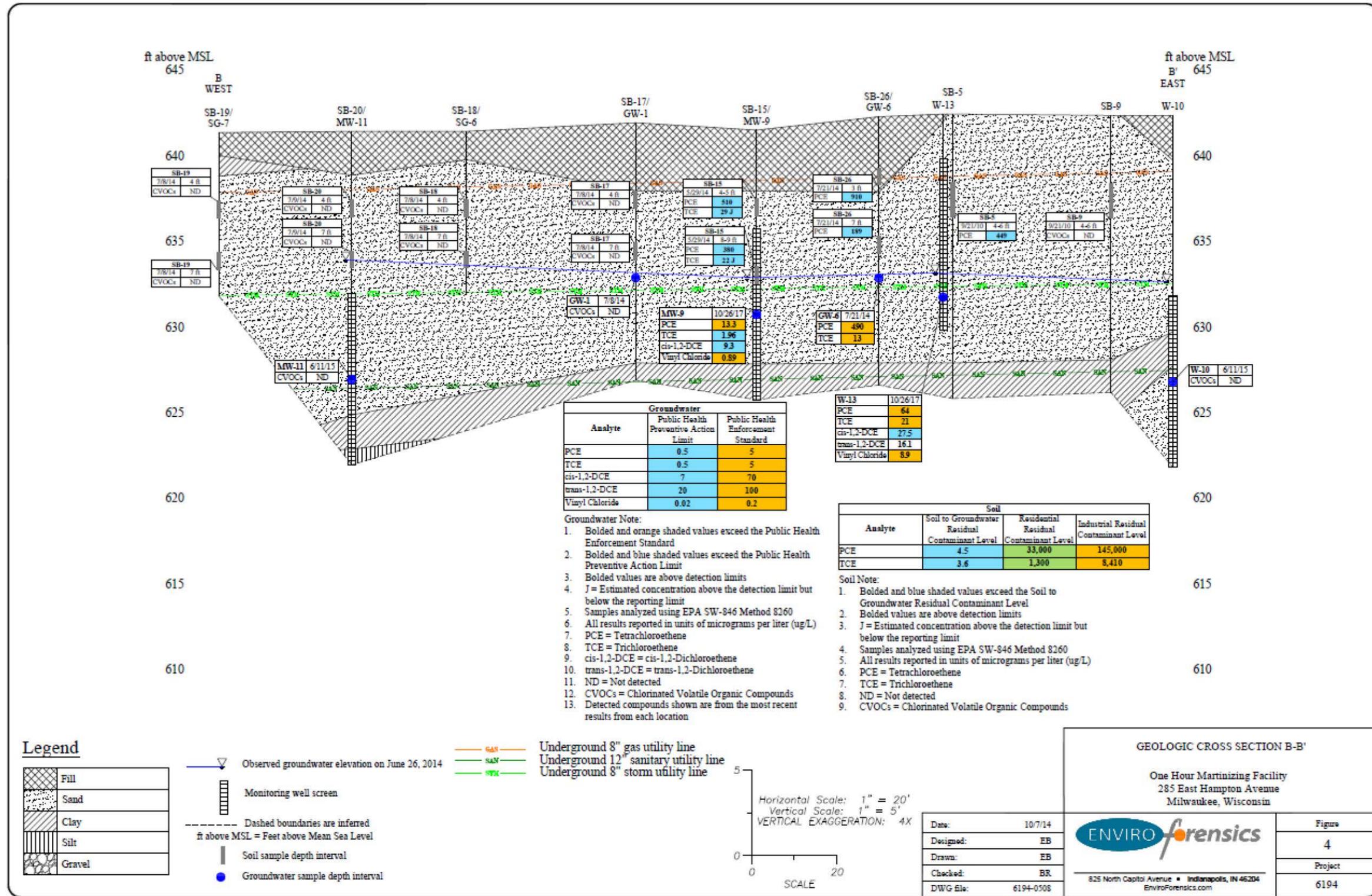
FIGURE 4
GEOLOGIC CROSS SECTION TRANSECT MAP FOR ONE HOUR MARTINIZING
285 EAST HAMPTON AVENUE
MILWAUKEE, WISCONSIN



Source:
Enviro Forensics

Project No:
1808-1039



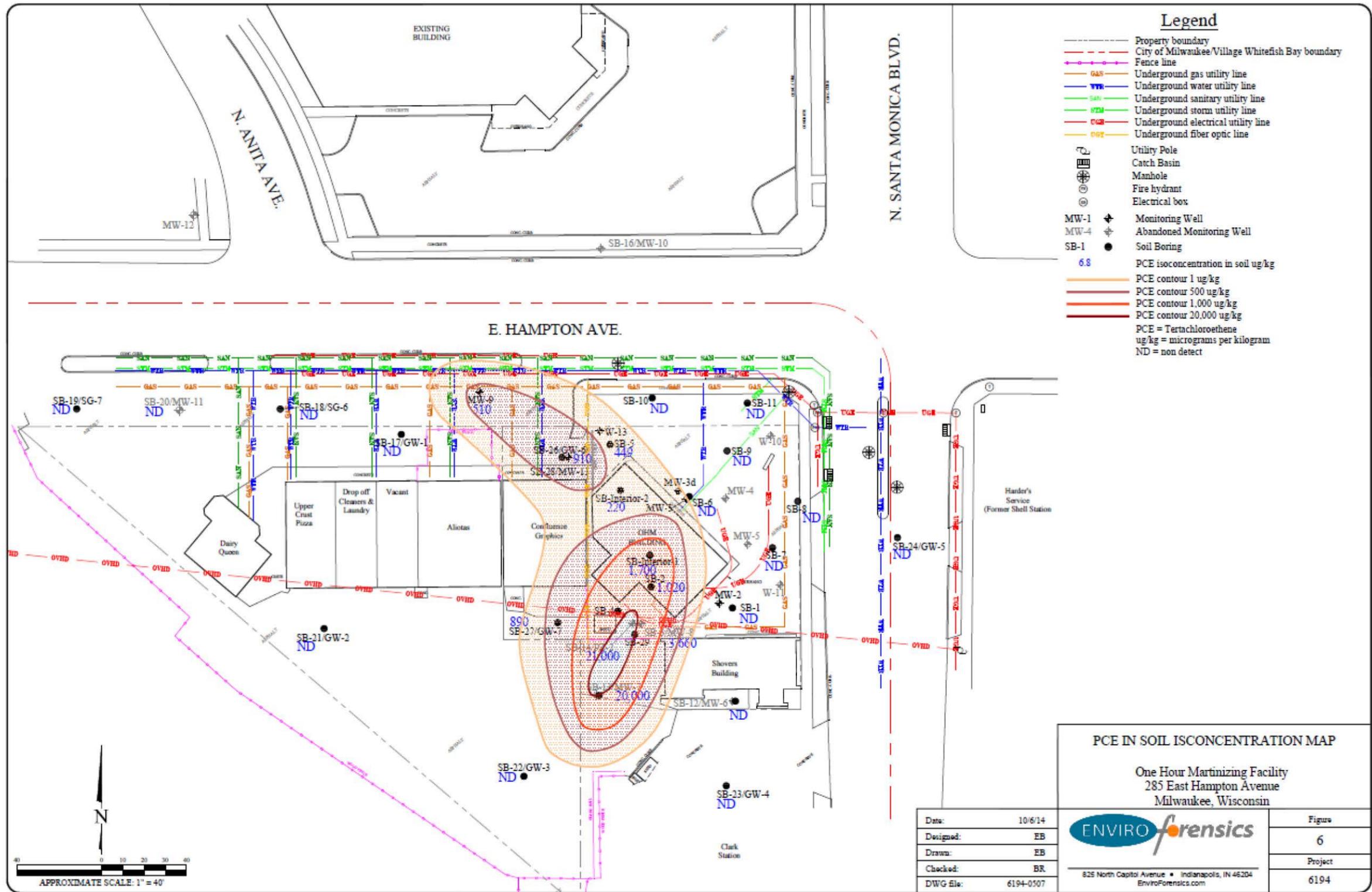


Source:
Enviro Forensics

Project No:
1808-1039

FIGURE 5
 GEOLOGIC CROSS SECTION B-B' FOR ONE HOUR MARTINIZING
 285 EAST HAMPTON AVENUE
 MILWAUKEE, WISCONSIN





Source:
Enviro Forensics

Project No:
1808-1039

FIGURE 6
PCE IN SOIL ISOCONCENTRATION MAP FOR ONE HOUR MARTINIZING
285 EAST HAMPTON AVENUE
MILWAUKEE, WISCONSIN



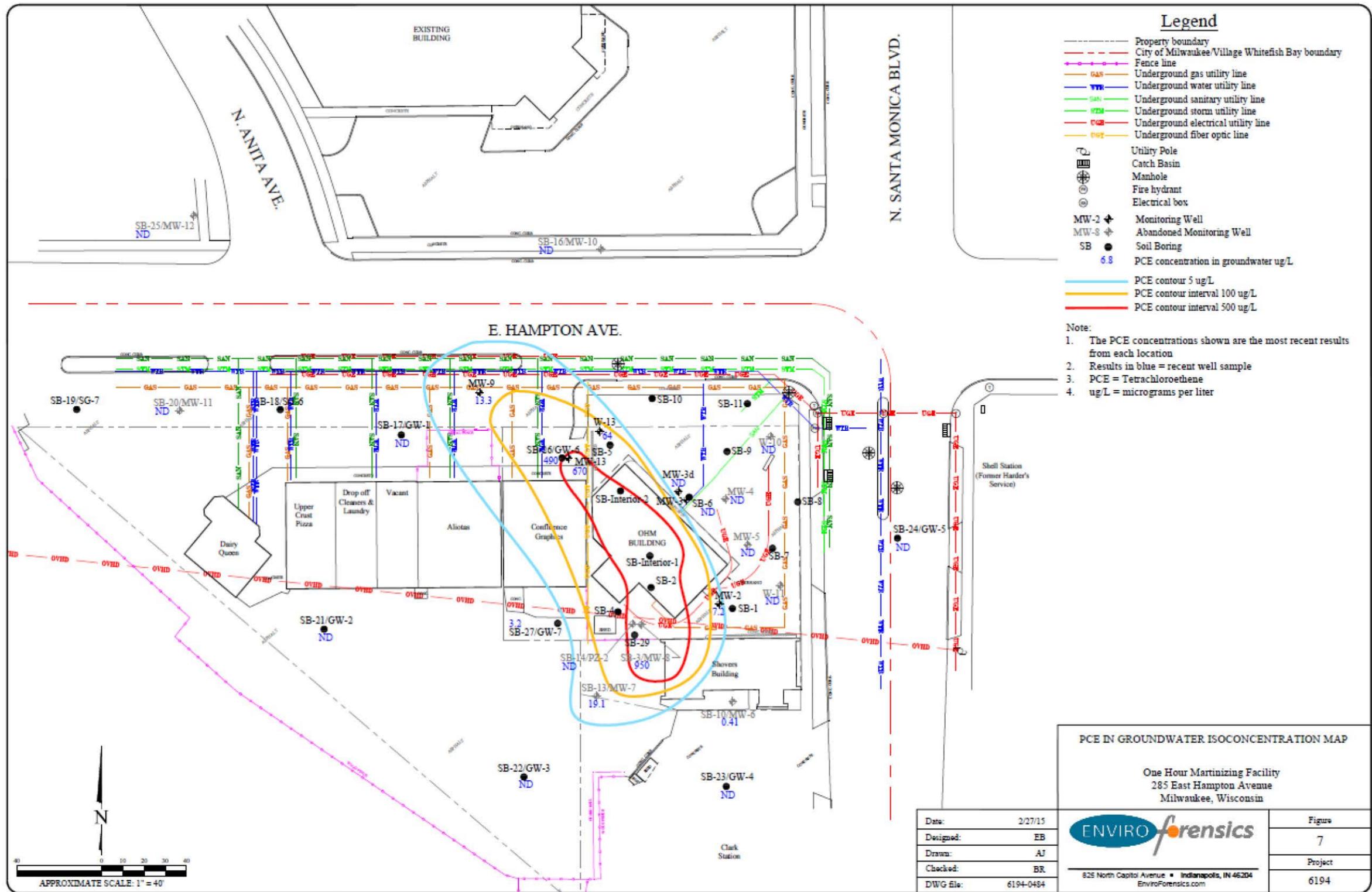


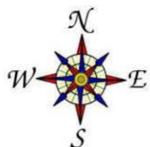
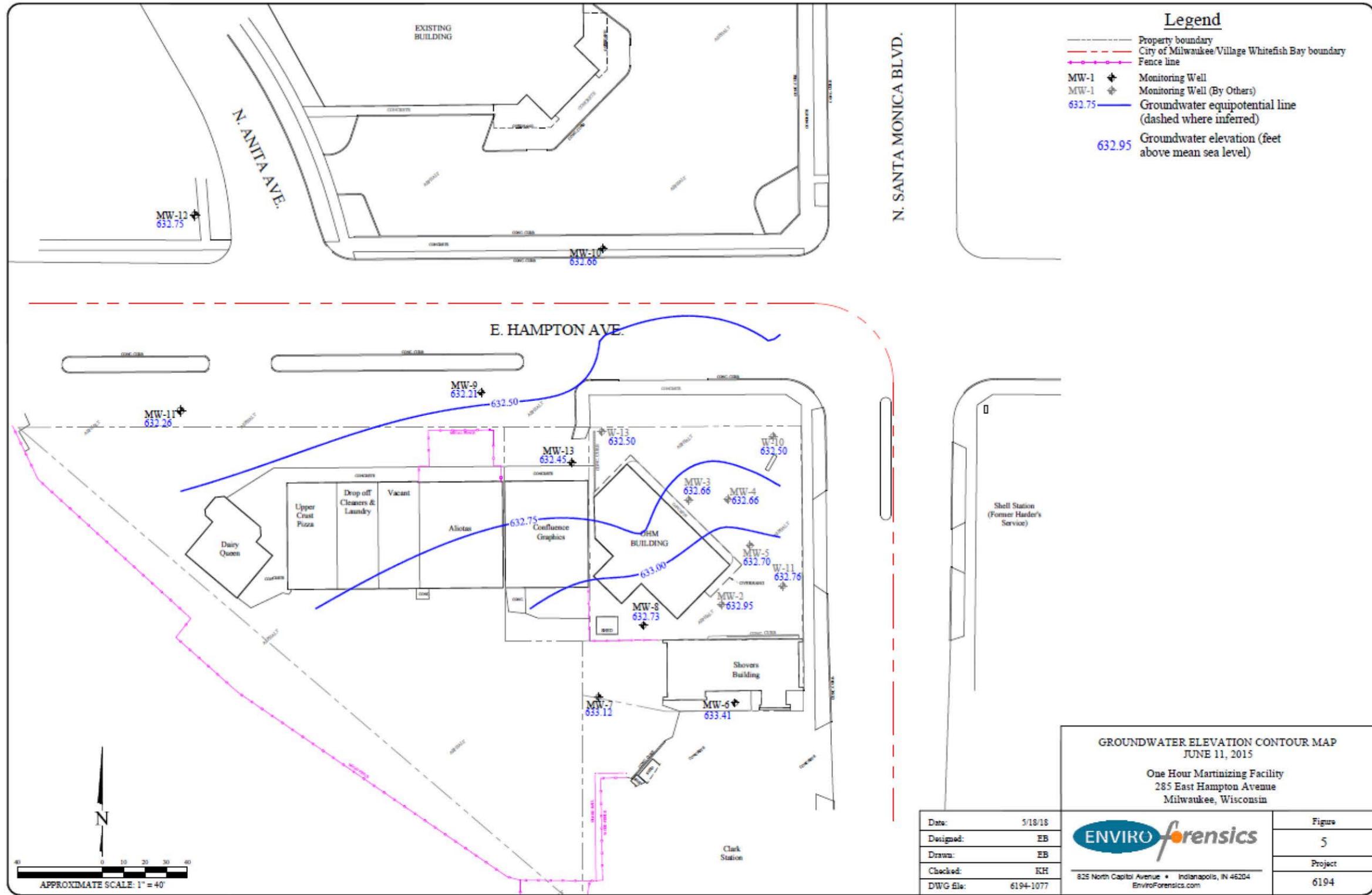
FIGURE 7
PCE IN GROUNDWATER ISOCONCENTRATION MAP FOR ONE HOUR MARTINIZING
285 EAST HAMPTON AVENUE
MILWAUKEE, WISCONSIN



Source:
Enviro Forensics

Project No:
1808-1039





Source:
Enviro Forensics

Project No:
1808-1039

FIGURE 8
GROUNDWATER ELEVATION CONTOUR MAP JUNE 2015 FOR ONE HOUR MARTINIZING
285 EAST HAMPTON AVENUE
MILWAUKEE, WISCONSIN



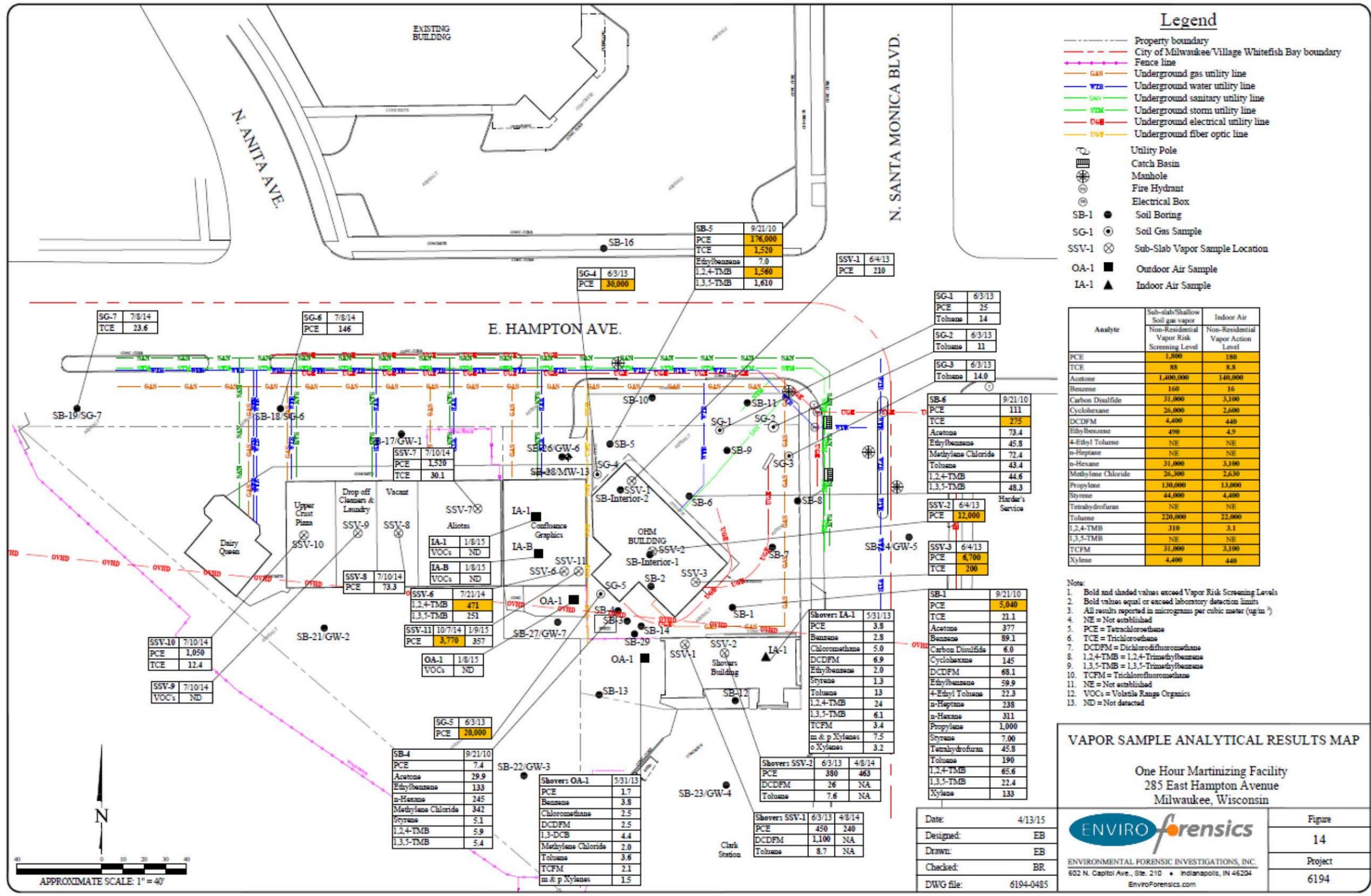
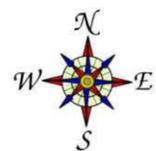
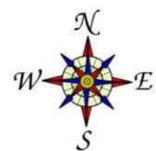
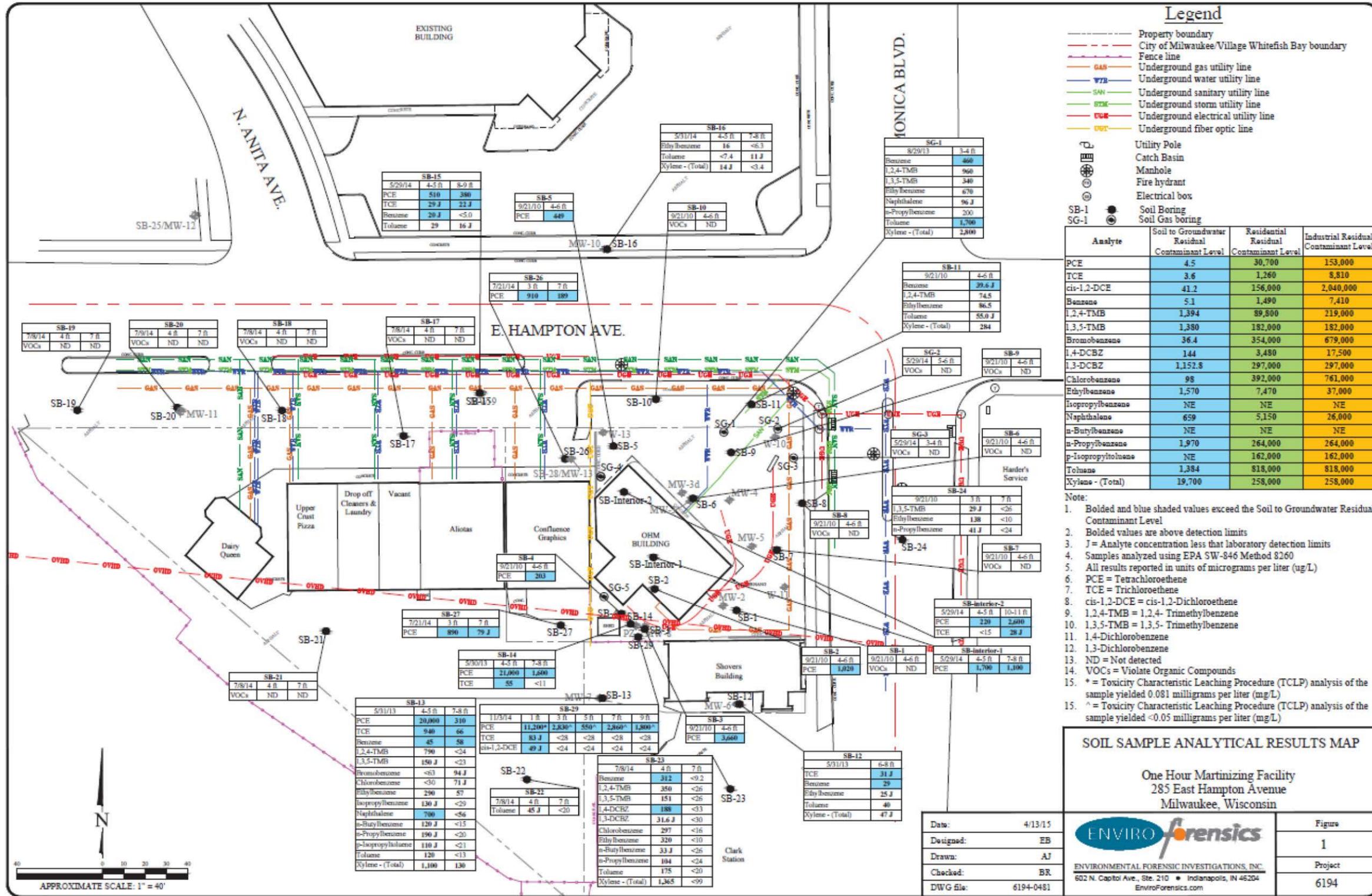


FIGURE 9
VAPOR SAMPLE ANALYTICAL RESULTS MAP FOR ONE HOUR MARTINIZING
285 EAST HAMPTON AVENUE
MILWAUKEE, WISCONSIN

Source:
Enviro Forensics

Project No:
1808-1039





Source:
Enviro Forensics

Project No:
1808-1039

FIGURE 10
SOIL SAMPLE ANALYTICAL RESULTS MAP FOR ONE HOUR MARTINIZING
285 EAST HAMPTON AVENUE
MILWAUKEE, WISCONSIN



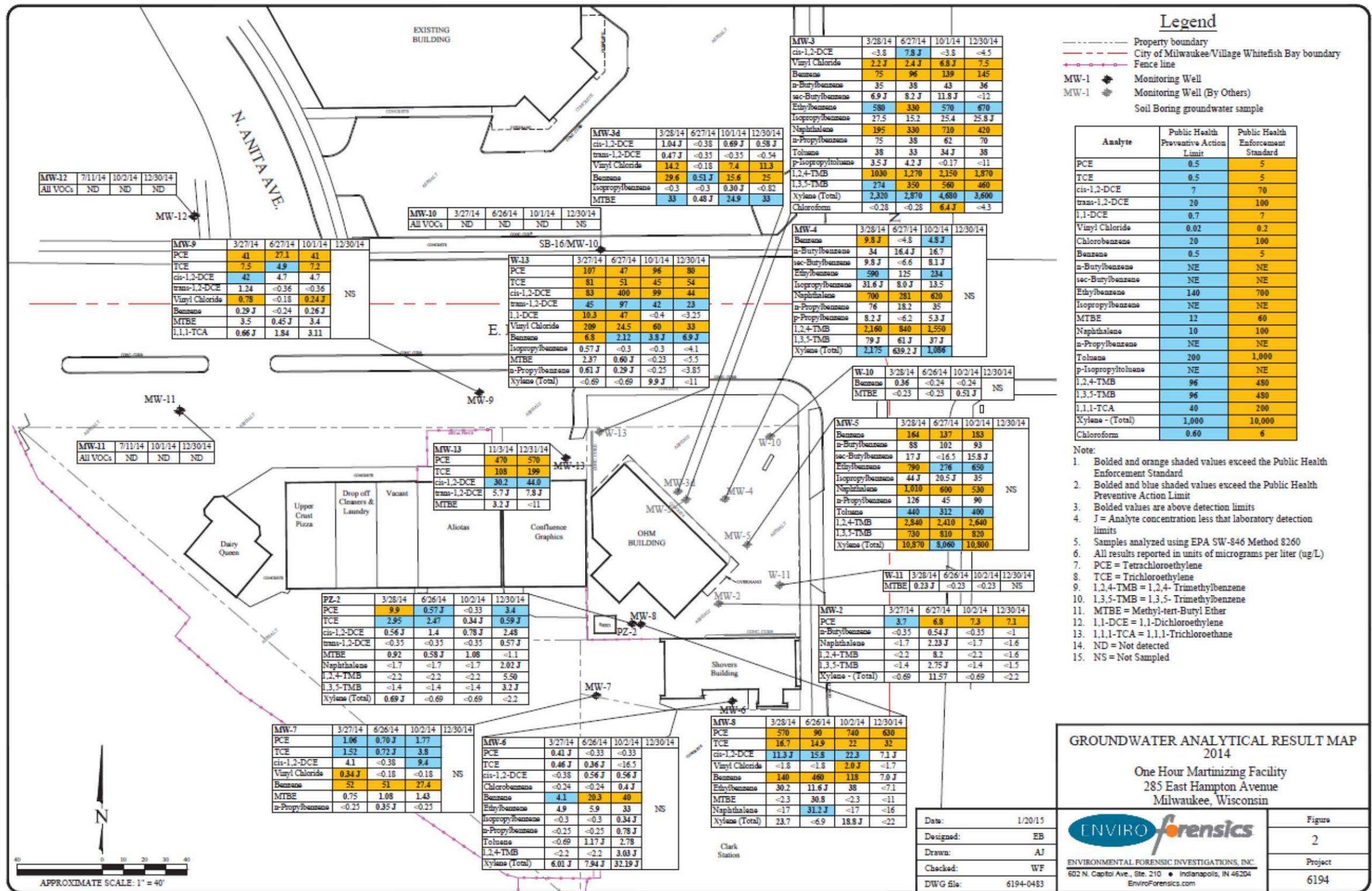
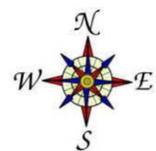


FIGURE 11
 GROUNDWATER ANALYTICAL RESULTS MAP 2014 FOR ONE HOUR MARTINIZING
 285 EAST HAMPTON AVENUE
 MILWAUKEE, WISCONSIN

Source:
 Enviro Forensics

Project No:
 1808-1039



Attachment 1

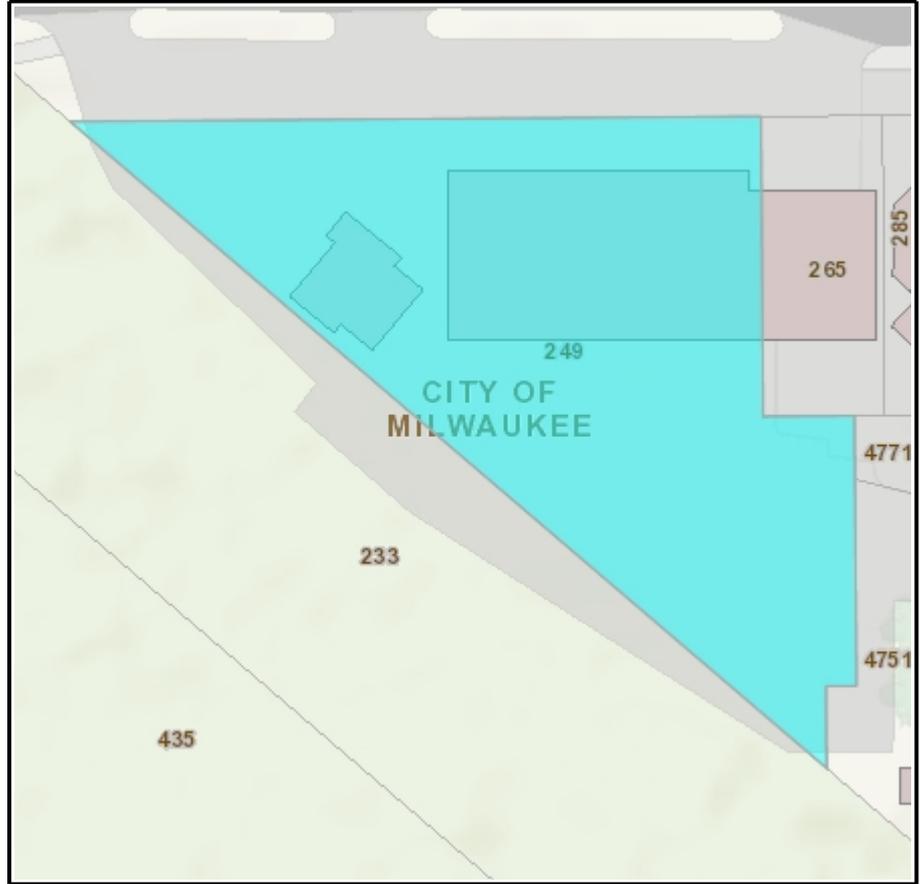
Milwaukee County Land Information Parcel Report

TAXKEY: 2420223100

Report generated 8/28/2018 1:05:48 PM



Parcel location within Milwaukee County



Selected parcel highlighted

Parcel Information

TAXKEY: 2420223100
Record Date:
Owner(s): HAMPTON PROPERTIES LLC

Address: 249 E HAMPTON AVE
Municipality: Milwaukee
Acres: 0.59

Assessed Value: \$847,000
Land Value: \$154,700
Improvement Value: \$692,300

Parcel Description: COMMERCIAL

Zoning Description: LB2, Local Business Commercial

Legal Description: COMSTOCK & WILLIAMS SUBD OF LOTS 1 TO 5 SEC 5 & SE 1/4 SEC 5 & NW 1/4 SEC 4-7-22 PART LOT 133 COM 216.15' W & 57' S OF NE COR SD LOT-TH S 100'-TH E 30'-TH S 90'-TH W 10'-TH S 27.37' TO NELY LI OF ROW-TH NWLY ALG SD ROW 328'M/L TO S LI E HAMPTON AVE-TH E 227.40' TO BEG

School District: MILWAUKEE SCHOOL DISTRICT

~~5543395~~

~~REGISTER'S OFFICE
Milwaukee County, WI } SS
RECORDED AT 4:10 P M~~

~~JUN 2 1982~~

~~REEL 1448 IMAGE 619-620~~

~~W. C. Campbell
REGISTER
OF DEEDS~~

This Deed, made between FRANK GARDNER, also known as Frank J. Gardner, and META K. GARDNER, also known as Meta Gardner, husband and wife,
and Thomas J. Aliota, Sr., and Irene Aliota, husband and wife

Witnesseth, That the said Grantor, for a valuable consideration.....

conveys to Grantee the following described real estate in Milwaukee County, State of Wisconsin:

RETURN TO Gordon A. Borman, Att'y
Suite 415, Clark Building
633 West Wisconsin Avenue
Milwaukee, Wisconsin 53203
Tax Parcel No: 242-0223-100.

TRANSFER
\$ 660.⁰⁰
FEE

See Exhibit A. on reverse side.

This Deed expressly excludes therefrom a certain building located thereon and described as the Dairy Queen building, title to which is in the name of John T. Blomquist, per his lease of October 10, 1975.

The Deed is being rerecorded to correct the legal description.
Exempt Sec. 77.25(3)

Re-Record

~~DOC # 5547615 #
RECORD 6.00~~

This is not homestead property.
(is) (is not)

DOC # 5547615 #
RECORD 6.00

Together with all and singular the hereditaments and appurtenances thereunto belonging;
And the said Frank Gardner and Meta K. Gardner, husband and wife,
warrants that the title is good, indefeasible in fee simple and free and clear of encumbrances except

5547615

and will warrant and defend the same.

Dated this first June, 1982.
REGISTER'S OFFICE } SS
Milwaukee County, Wis. of }
RECORDED AT 11:55 AM

* JUN 24 1982 (SEAL)
REEL 1452 IMAGE 1111-
* Frank Gardner (SEAL)
* Meta K. Gardner 6/1/82 (SEAL)
* Meta K. Gardner, his wife

AUTHENTICATION

ACKNOWLEDGMENT

Signature(s) of Frank Gardner and Meta K. Gardner, husband and wife,

STATE OF WISCONSIN

authenticated this 1st day of June, 1982.

Milwaukee County, } ss.

* Gordon A. Borman
TITLE: MEMBER STATE BAR OF WISCONSIN

Personally came before me this first day of June, 1982 the above named Frank Gardner and Meta K. Gardner, husband and wife,

(If not, authorized by § 706.06, Wis. Stats.)

to me known to be the person s..... who executed the foregoing instrument and acknowledge the same.

THIS INSTRUMENT WAS DRAFTED BY

Gordon A. Borman, Attorney at Law
Milwaukee, Wisconsin 53203
(Signatures may be authenticated or acknowledged. Both are not necessary.)

* Notary Public County, Wis.
My Commission is permanent. (If not, state expiration date:, 19.....)

*Names of persons signing in any capacity should be typed or printed below their signatures.

Services Offered

Commercial Site Development
Subdivision Design and Platting
Planning and Plan Review
Streets and Highway Design
Drainage Studies
Water Distribution Systems
Sewer Collection Systems
Construction Surveying and Stake-out
Services
Structures



**McCLURE
ENGINEERING
ASSOCIATES, INC.**

5417 North 118th Court
(414) 616-4880

Milwaukee, Wisconsin 53225
FAX (414) 616-4885

PROJECT NO: 08-13-03-114
DRAWING: 03114S1.DWDG

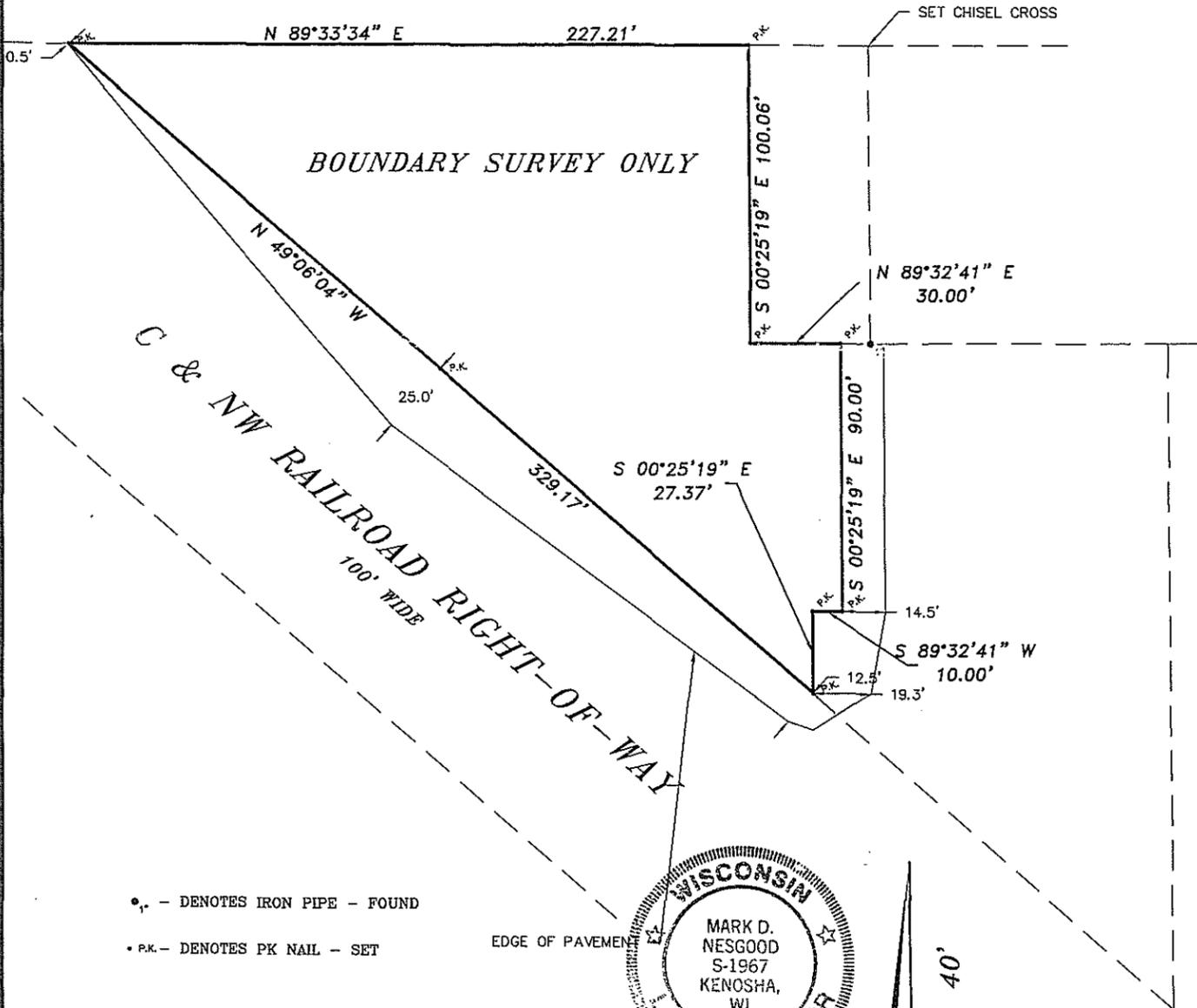
PLAT OF SURVEY

PREPARED FOR: JOHN ALIOTA

LEGAL DESCRIPTION:

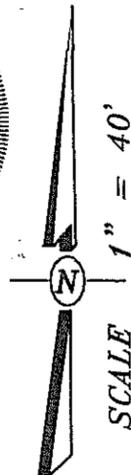
BEING A PART OF LOT 133 IN COMSTOCK AND WILLIAMS SUBDIVISION OF LOTS 1, 2, 3, 4 AND 5 OF SECTION 5 AND THE SOUTHEAST 1/2 OF SECTION 5 AND THE NORTHWEST 1/4 OF SECTION 4 IN TOWNSHIP 7 NORTH, RANGE 22 EAST, IN THE CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN AS DESCRIBED IN REEL 2461, IMAGE 1166, DOCUMENT NO. 6391199.

E. HAMPTON AVENUE



- - DENOTES IRON PIPE - FOUND
- P.K. - DENOTES PK NAIL - SET

EDGE OF PAVEMENT



STATE OF WISCONSIN }
MILWAUKEE COUNTY }

I hereby certify that I have surveyed the above described property and the above map is a true representation thereof and shows the size and location of the property, its exterior boundaries, the location of all visible structures and dimensions of all principal buildings thereon, boundary fences, apparent easements, roadway and visible encroachments, if any.

This survey is made for the present owners of the property, and also those who purchase, mortgage, or guarantee, the title thereto within (1) year from date hereof.

Dated at MILWAUKEE, this 14TH day of OCTOBER 20 03

MDN

DRAWN BY: MDN

Attachment 2

Phase I Environmental Site Assessment
245-261 East Hampton Avenue
Milwaukee, Wisconsin



August 16, 2018

Friess Environmental Consulting, Inc.



August 16, 2018

Seibel & Falkner, LLP
Attorney Dan Seibel
2060 North Humboldt Avenue, Suite 225,
Milwaukee, WI 53212

RE: Phase I Environmental Site Assessment for the Properties Located at 245-261 East Hampton Ave in the City of Milwaukee, Wisconsin - FEC Project No. 180802

Dear Attorney Seibel:

Friess Environmental Consulting, Inc. is pleased to submit this report for the Phase I Environmental Site Assessment conducted at the above-referenced property. The attached report describes the services completed, presents the project results, and states our findings and conclusions.

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312 and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

We appreciated this opportunity to provide environmental services for this project. If you have any questions or need further assistance, please call us at (414) 228-9815.

Respectfully,

FRIESS ENVIRONMENTAL CONSULTING, INC.

A handwritten signature in black ink that reads 'Bryan Frieseke'.

Bryan Frieseke
Project Assistant

A handwritten signature in black ink that reads 'Richard W. Frieseke'.

Richard W. Frieseke, P.E.
President

180802 Phase 1

REPORT

PROJECT

Phase I Environmental Site Assessment
245-261 East Hampton Avenue
Milwaukee, Wisconsin

CLIENT

Seibel & Falkner, LLP
Attorney Dan Seibel
2060 North Humboldt Avenue, Suite 225
Milwaukee, WI 53212

Project Number

180802

Date

August 16, 2018

FRIESS ENVIRONMENTAL CONSULTING, INC.

**6635 North Sidney Place
Milwaukee, WI 53209**

REPORT CONTENTS

	<u>Page</u>
REPORT SUMMARY	
1.0 INTRODUCTION	1
2.0 SITE DESCRIPTION & RECONNAISSANCE	3
<i>Site Description</i>	3
<i>Site Reconnaissance</i>	3
3.0 RECORDS REVIEW & INTERVIEWS	5
<i>EPA & DNR Records</i>	5
<i>Topographic Maps and Geological Records</i>	6
<i>Aerial Photographs</i>	7
<i>Records Review</i>	7
<i>Interviews</i>	9
4.0 FINDINGS & CONCLUSIONS	10
<i>Findings</i>	10
<i>Recognized Environmental Conditions</i>	10
<i>General Qualifications</i>	12
APPENDICES	

REPORT SUMMARY

Friess Environmental Consulting, Inc. (FEC) has performed a Phase I Environmental Site Assessment for the property located at 245-261 East Hampton Avenue located in Milwaukee, Wisconsin. FEC completed a records review, interviews, and a site reconnaissance to evaluate the likelihood for recognized environmental conditions (RECs) to exist in connection with the subject property.

The property is approximately 0.60-acres and is currently occupied by a four-unit commercial strip mall, a free-standing commercial property, and associated parking lots. Tenants include Upper Crust Pizza, Aliota's Restaurant, Wisco Vapes, and Hampton Self-Serve Laundry in the commercial strip mall and a Dairy Queen in the free-standing building. The four properties in the commercial strip mall have basements. The building is heated with natural gas furnace units and connected to the municipal sewer and water system. A separate entrance is associated with each unit. Electrical and natural gas utilities are in the western portion of the building. Pole-mounted electrical transformers were observed along the southern portion of the property. No staining or indication of a release was observed on the electrical transformers. Two solid waste dumpsters were stored in the southeast west corner of the property.

The grade of the site is generally flat and slopes south. No indication of aboveground or underground storage tanks (ASTs or USTs), drums, fill piles, stressed vegetation, pools of liquids, potable wells, or septic systems were observed on the subject property during the site visit. Based on site reconnaissance observations, the current uses and apparent past uses of property is generally commercial. Several groundwater monitoring wells were apparent in the parking lot to the north and south of the building.

The property is bordered by Hampton Avenue to the north, the Oak Leaf Trail (former Chicago & Northwestern railroad) and Estabrook Park to the southwest, a Clark Oil gasoline station to the southeast and the Confluence Graphics and One Hour Martinizing dry cleaners to the east.

The subject property is not listed on the EPA or DNR databases.

The north adjoining property (240 E Hampton Ave – CVS Pharmacy) is listed in the RCRA database as a large quantity generator. There are no RCRA violations reported on the site.

The One Hour Martinizing property (285 East Hampton Avenue) is referenced as a RCRA generator and is listed on the DNR LUST/UST database for having two 6000-gallon leaded gasoline UST, a 550-gallon fuel oil UST, two 300-gallon fuel oil UST, a 550-gallon waste motor oil UST, and two 4,000-gallon leaded gasoline USTs. The USTs were removed from the property.

Site investigation was conducted between 1992 and 2017. The LUST was closed by the DNR in March 2017 with registration on the GIS database.

The One Hour Martinizing property is also listed on the DNR ERP database. The site was enrolled in the ERP on March 19, 1992 for chlorinated VOCs impacts to soil, vapors, and groundwater associated with the use of the property as a dry cleaner. Soil, groundwater and vapor investigations are currently ongoing. Sampling on and near the site did indicate low concentrations of several CVOCs in the vapor samples collected beneath our building; however, the results were below the DNR vapor intrusion standards. The groundwater sampling results indicated concentrations of PCE, TCE and vinyl chloride (VC) above the DNR groundwater quality standard on or near the subject property. Based on the analytical results and groundwater flow, groundwater impacts and vapor intrusion onto the subject property are considered a possible REC in association with the subject property.

The southwest adjoining property (4751 N Santa Monica Blvd – Clark Oil Station) is referenced on the DNR LUST and UST database for having two 6000-gallon leaded gasoline tanks and two 12,000-gallon leaded gasoline USTs. The two 6,000-gallon USTs were removed/closed. The two 12,000 USTs remain in use at the Clark Station. Soil and groundwater investigations and remedial actions were completed. The site received closure from the DNR on May 26, 2010. The site closure included notification to Thomas and Irene Aliota that contamination has migrated onto the southern portion of the property at 201 and 265 East Hampton Avenue. Site closure was also conditional on the abandonment of the groundwater monitoring wells that were observed on the site. It is not known if the monitoring wells on site have been properly abandoned.

Based on information reviewed, the closed LUST site and associated soil and groundwater impacts which have migrated onto the subject site from the southeast adjoining property Clark Oil station is considered historic recognized environmental conditions (RECs) in association with the subject property. Based on the information reviewed, the One Hour Martinizing dry cleaners (open ERP site) and associated groundwater and vapor impacts are considered RECs associated with the site.

An off-site liability exemption can be requested from the DNR.

Please refer to the attached report for a detailed description of the project.

1.0 INTRODUCTION

On behalf of Seibel & Falkner, LLP, Friess Environmental Consulting, Inc. (FEC) performed a Phase I Environmental Site Assessment (ESA) of the properties located at 245-261 East Hampton Avenue in the City of Milwaukee, Wisconsin. The purpose of this Phase I is to permit an authorized user of this report to satisfy the requirements to qualify for one of the landowner liability protections (LLPs) under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA, 42 U.S.C. 9601, et seq) and complete all appropriate inquiry into the previous ownership and use of the property consistent with good commercial custom and practice as defined in 42 U.S.C. 9601(35)(B).

The objective of a Phase I ESA is to evaluate the likelihood for recognized environmental conditions (RECs) to exist in connection with a property resulting from past or present site use or adjacent land uses. The scope of services for the Phase I included a records review of publicly accessible historical information pertaining to potential RECs, interviews about property history, property use, environmental records, and environmental issues and a site reconnaissance to evaluate the present conditions of the subject property and adjacent properties. This report summarizes the results of these services and presents FEC's professional opinion regarding the likelihood for RECs to exist in connection with the subject property.

The tax records for the property refer to the property as parcel # 2420223100. The property is referenced as being in Milwaukee County and is "COMSTOCK & WILLIAMS SUBD OF LOTS 1 TO 5 SEC 5 & SE 1/4 SEC 5 & NW 1/4 SEC 4-7-22 PART LOT 133 COM 216.15' W & 57' S OF NE COR SD LOT-TH S 100'-TH E 30'-TH S 90'-TH W 10'-TH S 27.37' TO NELY LI OF ROW-TH NWLY ALG SD ROW 328'M/L TO S LI E HAMPTON AVE-TH E 227.40' TO BEG". The property is in the NE ¼ of the NE ¼ of Section 5, Township 7 North, Range 22 East, Milwaukee County, Wisconsin. The property is currently owned by Hampton Properties LLC. The recorded land title records for the property were not provided or reviewed. No environmental liens are reportedly associated with the subject property and the valuation of the subject property has reportedly not been

reduced due to environmental issues. This Phase I Environmental Site Assessment was requested as a component of a commercial lending transaction.

2.0 SITE DESCRIPTION & RECONNAISSANCE

Site Description

The subject property is located at 245-261 East Hampton Avenue in the City of Milwaukee, Wisconsin. The property is situated in the northeast quarter of the northeast quarter, Section 5, Township 7 North, Range 22 East, Milwaukee County, Wisconsin. The property is located at the south of East Hampton Avenue and is occupied by a commercial strip mall. Figures 1 and 2 in Appendix A depicts the location and general features of the subject property.

Site Reconnaissance

FEC conducted the site reconnaissance at the subject property on August 6, 2018. FEC visually and physically observed the subject property to evaluate the present condition of the site and to record evidence of RECs, if present.

The property is approximately 0.60-acres and is currently occupied by four-unit commercial strip mall, a free-standing commercial property, and associated parking lots. Tenants include Upper Crust Pizza, Aliota's Restaurant, Wisco Vapes, and Hampton Self-Serve Laundry in the commercial strip mall and a Dairy Queen in the free-standing building. The four properties in the commercial strip mall have basements. The building is heated with natural gas furnace units and connected to the municipal sewer and water system. A separate entrance is associated with each unit. Electrical and natural gas utilities are in the western portion of the building. Pole-mounted electrical transformers were observed along the southern portion of the property. No staining or indication of a release was observed on the electrical transformers. Two solid waste dumpsters were stored in the southeast west corner of the property.

The grade of the site is generally flat and slopes southwest. No indication of aboveground or underground storage tanks (ASTs or USTs), drums, fill piles, stressed vegetation, pools of liquids, potable wells, or septic systems were observed on the subject property during the site visit. Several groundwater

monitoring wells were apparent in the parking lots to the north and south of the building.

The property is bordered by Hampton Avenue to the north, the Oak Leaf Trail (former Chicago & Northwestern railroad) and Estabrook Park to the southwest, a Clark Oil gasoline station to the southeast and the Confluence Graphics and One Hour Martinizing dry cleaners to the east.

Based on site reconnaissance observations, the current uses and apparent past uses of properties adjoining the subject property are generally commercial.

Photographs were taken during the site reconnaissance, and representative photographs are included in Appendix B.

3.0 RECORDS REVIEW & INTERVIEWS

EPA & DNR Records

The purpose of the records review is to obtain and review publicly available federal, state, and local records to help identify recognized environmental conditions in connection with the subject property. The “List of References” attached presents a bibliography of the sources FEC utilized for this project.

The U.S. Environmental Protection Agency (EPA) has compiled lists of sites that have reportedly contained contamination or have the potential to cause contamination. These include the National Priorities List (NPL), the federal institutional and engineering control (IC/EC) registry, the Resource Conservation and Recovery Act (RCRA) Generator list, the Emergency Response Notification System (ERNS), the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS), the CERCLIS “No Further Remedial Action Planned” (NFRAP) list, the RCRA Treatment, Storage, and Disposal (TSD) list, and the RCRA Corrective Action Site (CORRACTS) list.

The Wisconsin Department of Natural Resources (DNR) has compiled lists of sites that have reportedly contained contamination or have the potential to cause contamination. These include the registered underground storage tank (UST) and aboveground storage tank (AST) lists, the Leaking Underground Storage tank (LUST) list, the Controls list, the Spills list, the Solid Waste Landfill (SWL) list, the Voluntary Party Liability Exemption (VPLE) site list, the Brownfield list, the Environmental Repair Program (ERP) list, and the Hazard Ranking List (HRL).

Environmental Risk Information Service (ERIS) conducted a computerized database search of EPA and DNR records based on ASTM minimum search distance guidelines. ERIS issued a “Database Report” on August 6, 2018 (reference 1). The description of the listing and the applicable search distance are shown on the report included in Appendix C.

The subject property is not listed on the EPA or DNR databases.

The north adjoining property (240 E Hampton Ave – CVS Pharmacy) is listed in the RCRA database as a large quantity generator. There are no RCRA violations reported on the site.

The One Hour Martinizing property (285 E Hampton Avenue) is referenced as a RCRA generator and is listed on the DNR LUST/UST database for having two 6,000-gallon leaded gasoline UST, a 550-gallon fuel oil UST, two 300-gallon fuel oil UST, a 550-gallon waste motor oil UST, and two 4,000-gallon leaded gasoline tanks. The USTs were removed/closed from the property. Site investigation was conducted between 1992 and 2017. The LUST was closed by the DNR in March 2017 with registration on the GIS database.

The One Hour Martinizing property is also listed on the DNR ERP database. The site was enrolled in the ERP on March 19, 1992 for chlorinated VOCs impacts to soil, vapors, and groundwater associated with the use of the property as a dry cleaner. Soil, groundwater, and vapor investigations are currently ongoing. Sampling on and near the site did indicate low level concentrations of several CVOCs in the vapor samples collected beneath our building; however, the results were below the DNR vapor intrusion standards. The groundwater sampling results indicated concentrations of PCE, TCE and vinyl chloride (VC) above the DNR groundwater quality standards on or near the subject property. Based on analytical results and groundwater flow, groundwater impacts and vapor intrusion are considered a possible RECs in association with the subject property.

The southeast adjoining property (4751 N Santa Monica Blvd – Clark Oil Station) is referenced on the DNR LUST and UST database for having two 6,000-gallon leaded gasoline USTs and two 12,000-gallon leaded gasoline USTs. The two 6,000-gallon USTs were removed/closed. The two 12,000 USTs remain in use at the Clark Station. Soil and groundwater investigations and remedial actions were completed. The LUST site received closure from the DNR on May 26, 2010.

Topographic Maps and Geological Records

FEC reviewed the United States Geological Survey (USGS) Milwaukee, Wisconsin quadrangle 7.5-minute topographic map (reference 2) about the

subject property. The elevation of the site is approximately 645 feet above mean sea level. The site and vicinity are depicted as sloping to the south towards the Milwaukee River.

FEC reviewed geological publications to identify general soil and groundwater characteristics near the subject property (reference 3). The native soils consist of silty clay loam and silty clay of the Ozaukee-Morley-Mequon Association. Dolomite bedrock is estimated to be approximately 50-200 feet below ground surface (bgs). The depth of groundwater is estimated to be approximately 15-25 feet bgs; however, shallow perched groundwater may be present near the subject property. Based on local topography, shallow groundwater flow is anticipated to be to the south towards the Milwaukee River. Regional water table maps indicate that groundwater flow near the subject property is generally to the east-southeast.

Aerial Photographs

FEC reviewed aerial photographs of the subject property and vicinity obtained from the Milwaukee County GIS (reference 4). Each photograph depicts an area of approximately two square miles at a scale of 1 inch = 500 feet. The aerial photographs were reviewed to evaluate previous property uses and possible RECs in relation to the subject property.

The review indicates that the subject property was vacant land dating back to at least 1937. Commercial buildings were seen in the 1951 aerial photograph. The existing strip mall was constructed between 1951 and 1963. The aerials indicate that the site and surrounding property have primarily been used for commercial purposes.

Records Review

FEC attempted to review Sanborn fire insurance maps about the subject property. Fire insurance maps are a source of historical property use information and architectural details for residential, commercial, and industrial properties.

Sanborn map coverage was not available for the subject site and would not be considered a significant data gap given the availability of other historical sources of information on the subject property.

The City directories (reference 5) indicate the following entries for the properties located at 245-261 East Hampton Avenue.

Year	245 E Hampton Ave	249 E Hampton Ave	251 E Hampton Ave	257 E Hampton Ave	261 E Hampton Ave
1955	Dairy Queen	Ferrante's Chicken Treat Shop	Bayshore Self-Serve Laundry	Kohler Liquor	Fireside Cocktail Lounge
1961	Dairy Queen	Ferrante's Chicken Treat Shop	Hampton Self-Serve Laundry	Kohler Liquor	Fireside Cocktail Lounge
1968	Dairy Queen	Ferrante's Chicken Treat Shop	Hampton Self-Serve Laundry + Butterfly Cleaners	Kohler Liquor	Fireside Cocktail Lounge
1973	Dairy Queen	Puccini's Prepared Food	Hampton Self-Serve Laundry	Kohler Liquor	Fireside Cocktail Lounge
1978	Dairy Queen	Upper Crust Pizza	Hampton Self-Serve Laundry	Kohler Liquor	Fireside Cocktail Lounge
1983	Dairy Queen	Upper Crust Pizza	Hampton Self-Serve Laundry	Kohler Liquor	Aliotas Restaurant
1988	Dairy Queen	Upper Crust Pizza	Hampton Self-Serve Laundry	Video Biz	Aliotas Restaurant
1993	Dairy Queen	Upper Crust Pizza	Hampton Self-Serve Laundry	North Shore Video	Aliotas Restaurant
2003	Dairy Queen	Upper Crust Pizza	Hampton Self-Serve Laundry	North Shore Video	Aliotas Restaurant
2013	Dairy Queen	Upper Crust Pizza	Hampton Self-Serve Laundry	Wesco Vapes	Aliotas Restaurant
Present	Dairy Queen	Upper Crust Pizza	Hampton Self-Serve Laundry	Wisco Vapes	Aliotas Restaurant

Table 1: City Directory listings 245-261 East Hampton Avenue.

FEC reviewed building department records for the subject property at the Whitefish Bay Building Inspection Department on August 6, 2018. The property was previously occupied by five commercial buildings. The records indicate that the tavern was constructed in 1950, with the rest of the strip mall being constructed in 1953. The free-standing building was also constructed in 1953. No permits regarding potential environmental issues were included as part of the building inspection files.

FEC reviewed the Environmental sampling results conducted on the subject property by Enviro Forensic Investigations, Inc. (Enviro Forensics) in August 2014 (reference 6), which included sub-slab vapors, soil and groundwater sampling from the northeast adjoining property located at 285 East Hampton Avenue. The results of the vapor sampling were below DNR standards on the subject property. As such, the report concluded that release of chlorinated VOCs from the One Hour Martinizing site was not considered a vapor intrusion concern for the subject site.

Interviews

FEC obtained a questionnaire from and conducted interviews with John Aliota, manager of Aliota's (reference 6). The purpose of the interviews portion of the assessment was to obtain information regarding helpful documents, environmental notices and proceedings, property history, and RECs relating to the subject property.

The existing building is heated with natural gas forced air furnaces and is connected to the municipal sewer and water system. He indicated that solid wastes are disposed of off-site. He indicated no knowledge of the presence of petroleum storage tanks or environmental or geotechnical studies or hazardous waste generator reports for the subject property. He is not aware of any environmental permits; community right-to-know or safety plans, environmental liens, or past or current violations of environmental laws with respect to the subject property.

4.0 FINDINGS & CONCLUSIONS

Findings

The property is approximately 0.60-acres and is currently occupied by four-unit commercial strip mall, a free-standing commercial property, and associated parking lots. Tenants include Upper Crust Pizza, Aliota's Restaurant, Wisco Vapes, and Hampton Self-Serve Laundry in the commercial strip mall and a Dairy Queen in the free-standing building. The four properties in the commercial strip mall have basements. The building is heated with natural gas furnace units and connected to the municipal sewer and water system. A separate entrance is associated with each unit. Electrical and natural gas utilities are in the western portion of the building. Pole-mounted electrical transformers were observed along the southern portion of the property. No staining or indication of a release was observed on the electrical transformers. Two solid waste dumpsters were stored in the southeast west corner of the property.

The grade of the site is generally flat and slopes south. No indication of aboveground or underground storage tanks (ASTs or USTs), drums, fill piles, stressed vegetation, pools of liquids, potable wells, or septic systems were observed on the subject property during the site visit. Based on site reconnaissance observations, the current uses and apparent past uses of property is generally commercial. Several groundwater monitoring wells were apparent in the parking lot to the north and south of the building.

The property is bordered by Hampton Avenue to the north, the Oak Leaf Trail (former Chicago & Northwestern railroad) and Estabrook Park to the southwest, a Clark Oil gasoline station to the southeast and the Confluence Graphics and One Hour Martinizing dry cleaners to the east.

The subject property is not listed on the EPA or DNR databases.

The north adjoining property (240 E Hampton Ave – CVS Pharmacy) is listed in the RCRA database as a large quantity generator. There are no RCRA violations reported on the site.

The One Hour Martinizing property (285 E Hampton Avenue) is referenced as a RCRA generator and is listed on the DNR LUST and UST database for having two 6,000-gallon leaded gasoline UST, a 550-gallon fuel oil UST, two 300-gallon fuel oil UST, a 550-gallon waste motor oil UST, and two 4,000-gallon leaded gasoline USTs. The USTs were removed/closed from the property. Site investigation was conducted between 1992 and 2017. The LUST was closed by the DNR in March 2017 with registration on the GIS database.

The One Hour Martinizing property is also listed on the DNR ERP database. The site was enrolled in the ERP on March 19, 1992 for chlorinated VOCs impacts to soil, vapors, and groundwater associated with the use of the property as a dry cleaner. Soil, groundwater, and vapor investigations are currently ongoing. Sampling on and near the site did indicate low concentrations of several CVOCs in the vapor samples collected beneath our building; however the results were below the DNR vapor intrusion standards. The groundwater sampling results indicated concentrations of PCE, TCE and vinyl chloride (VC) above the DNR groundwater quality standard on or near the subject property. Based on the analytical results and groundwater flow, groundwater impacts and vapor intrusion onto the property from the One Hour Martinizing property would be considered possible RECs in association with the subject property.

The southeast adjoining property (4751 North Santa Monica Blvd – Clark Oil Station) is referenced on the DNR LUST and UST database for having two 6,000-gallon leaded gasoline USTs and two 12,000-gallon leaded gasoline USTs. The two 6,000-gallon USTs were removed. The two 12,000 USTs remain in use at the Clark Station. Soil and groundwater investigations and remedial actions were completed. The site received closure from the DNR on May 26, 2010. The site closure included notification to Thomas and Irene Aliota that contamination has migrated onto the southern portion of the property at 201 and 265 East Hampton Avenue. Site closure was also conditional on the abandonment of the groundwater monitoring wells that were observed on the site. It is not known if the monitoring wells on site have been properly abandoned.

Recognized Environmental Conditions

FEC has performed a Phase I Environmental Site Assessment of the property located at 245-261 East Hampton Avenue in Milwaukee, Wisconsin in general conformance with the scope and limitations of ASTM Practice E 1527-13. Any exceptions to, or deletions from, this practice are described below.

Based on information reviewed, the closed LUST and associated soil and groundwater impacts which have migrated onto the subject site from the southeast adjoining property Clark Oil station are considered historic recognized environmental conditions (RECs) in association with the subject property. Based on the information reviewed, the One Hour Martinizing dry cleaners (open ERP site) and associated soil and vapor impacts are considered RECs associated with the site.

An off-site liability exemption can be requested from the DNR.

General Qualifications

The professionals at FEC have over twenty-five years of experience in conducting numerous Phase I and Phase II Environmental Assessments, and soil and groundwater investigation and remediation projects. FEC conducts their services with that degree of care and skill ordinarily exercised by members of the environmental consulting community practicing under similar conditions at the same time in the same or similar locality. The scope of work presented in this Phase I report is intended to meet the standards adopted by the ASTM, E 1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The physical collection of samples; the compilation of detailed maps; the performance of subsurface investigations; or the inquiry into radon, lead in drinking water, wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, or high voltage powerlines, were not within the scope of this Phase I and therefore have not been addressed.

Information regarding site operations, conditions, and test data was obtained in part from the client, outside vendors, and third parties, and has been assumed by FEC to be correct and complete. In addition, this report reflects the conditions,

operations, and practices observed on the date of the site visit. It should be noted that title information was not provided or reviewed as a part of this study. Changes or modifications to the site after the visit are not included. The conclusions are FEC's professional opinion and should not be construed as a guarantee or warranty that liabilities do or do not exist.

FEC assumes no responsibility for the discovery and elimination of hazards that could possibly cause accidents, injuries, or damage. Compliance with the recommendations and/or suggestions contained in this report in no way assures elimination of hazards or a fulfillment of a property owner's obligation under local, state, or federal laws. It is the responsibility of the property owner to notify authorities of any conditions that are in violation of the current legal standards. FEC has prepared this report at the request of their client. FEC assumes responsibility for the accuracy of the report's contents, subject to what is stated elsewhere in this section, but recommends that the report be used only for the purpose intended by the client and FEC when the report was prepared. The report may be unsuitable for other uses, and reliance upon its contents by anyone other than the client is done at the sole risk of the user. FEC accepts no responsibility for application or interpretation of the results by anyone other than the client.

The term "recognized environmental conditions" is defined as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions." (American Society for Testing and Materials [ASTM], E 1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*)

The term "historical recognized environmental condition" is defined as "a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)." (ASTM E 1527-13, *Standard Practice for*

Environmental Site Assessments: Phase I Environmental Site Assessment Process). The term “controlled recognized environmental condition” is defined as “a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).”

APPENDICES

Appendix A

Figure 1 – Vicinity Diagram

Figure 2 – Site Diagram

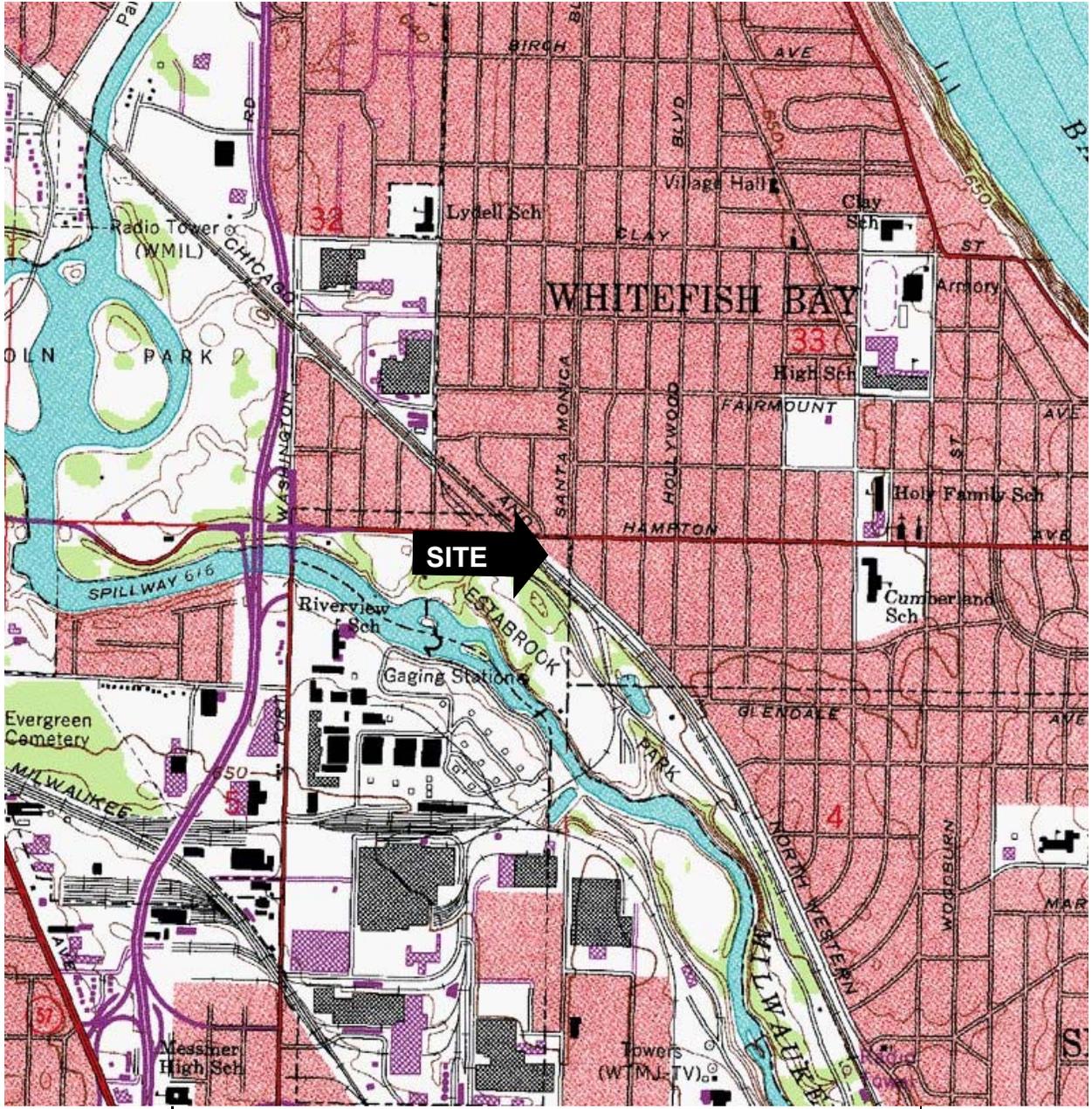
Appendix B

Photographs

Appendix C

ERIS Database Report

-
1. Environmental Database Report; Job Number 180802, Environmental Risk Information Service, August 6, 2018.
 2. Milwaukee, Wisconsin Quadrangle 7.5 Minute Series Topographic Map; United States Department of the Interior—Geological Survey.
 3. Soil Survey of Milwaukee and Waukesha Counties, Wisconsin, United States Department of Agriculture, Natural Resources Conservation Service, 1971.
 4. Aerial Photographs; Milwaukee County GIS, dated 1941, 1957, 1975, 1981 and 2017.
 5. Milwaukee City Directories; Historical Information Gatherers (HIG), dated 1955 to 2013.
 6. Environmental sampling Results - Enviro Forensic Investigations, Inc. dated August 14, 2014.
 7. John Aliota, property manager, questionnaire dated August 9, 2018 and interviews.



Approximate
Scale

1" = 3,000'

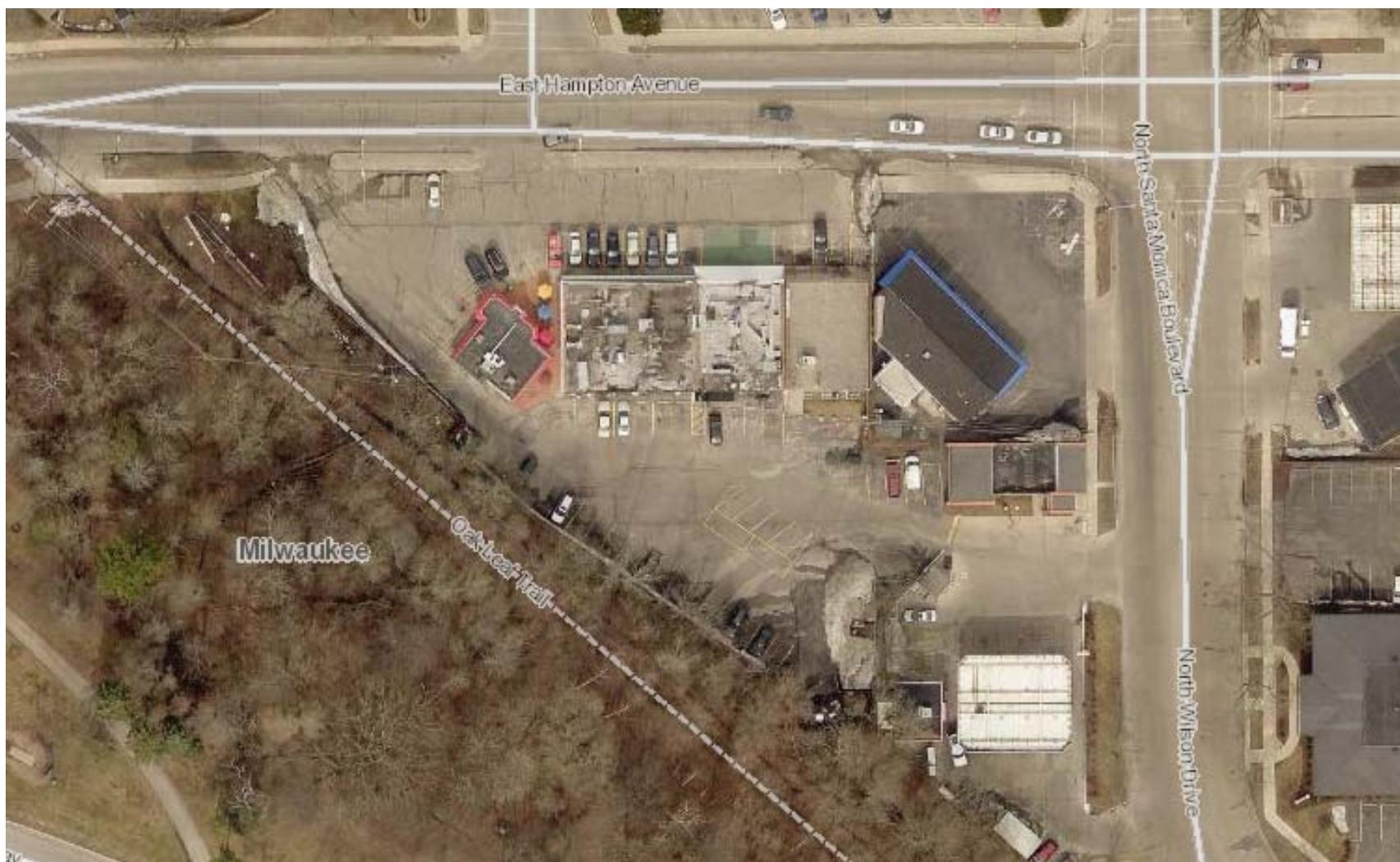
United States Geological Survey Topographic Map
Neenah Quadrangle

NE 1/4 of the NE 1/4 of Section 5, Township 7 North, Range 22 East



Vicinity Diagram
245-261 East Hampton Avenue
Milwaukee, Wisconsin

Figure
1



Site Diagram
245-261 East Hampton Avenue
Milwaukee, Wisconsin

Figure
2



Photograph 1 - The subject property is located at 249-261 East Hampton Avenue in Milwaukee, Wisconsin. The subject property currently contains a commercial shopping center and associated parking lot.



Photograph 2 - The subject property is located at 245 East Hampton Avenue in Milwaukee, Wisconsin. The subject property currently contains a Dairy Queen and an associated parking lot.



Photograph 3 - The northeast adjoining property (285 E Hampton Ave - One Hour Martinizing) is referenced on the DNR LUST/UST and was closed in 2017. The same property is an open ERP site.



Photograph 4 - The southeast adjoining property (4751 N Santa Monica Blvd – Clark Oil Station) is referenced as a closed site on the DNR LUST/UST database.



Photograph 5 - The east adjoining property.



Photograph 6 - The southern parking lot of the building with the solid waste dumpsters.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



DATABASE REPORT

Project Property: 249-261 East Hampton Road
249-261 East Hampton Road
Milwaukee WI 53217

Project No:

Report Type: Screen Report Plus

Order No: 20180803044

Requested by: Friess Environmental Consulting, Inc.

Date Completed: August 3, 2018

**Environmental Risk
Information Services**
A division of Glacier Media Inc.
P: 1.866.517.5204
E: info@erisinfo.com

www.erisinfo.com

Table of Contents

Table of Contents.....	2
Executive Summary.....	3
Executive Summary: Report Summary.....	4
Executive Summary: Site Report Summary - Project Property.....	7
Executive Summary: Site Report Summary - Surrounding Properties.....	8
Executive Summary: Summary by Data Source.....	11
Map.....	17
Aerial.....	18
Topographic Map.....	19
Detail Report.....	20
Unplottable Summary.....	100
Unplottable Report.....	102
Appendix: Database Descriptions.....	117
Definitions.....	126

Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

Reliance on information in Report: This report DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as database review of environmental records.

License for use of information in Report: No page of this report can be used without this cover page, this notice and the project property identifier. The information in Report(s) may not be modified or re-sold.

Your Liability for misuse: Using this Service and/or its reports in a manner contrary to this Notice or your agreement will be in breach of copyright and contract and ERIS may obtain damages for such mis-use, including damages caused to third parties, and gives ERIS the right to terminate your account, rescind your license to any previous reports and to bar you from future use of the Service.

No warranty of Accuracy or Liability for ERIS: The information contained in this report has been produced by ERIS Information Inc. ("ERIS") using various sources of information, including information provided by Federal and State government departments. The report applies only to the address and up to the date specified on the cover of this report, and any alterations or deviation from this description will require a new report. This report and the data contained herein does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein and does not constitute a legal opinion nor medical advice. Although ERIS has endeavored to present you with information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

Trademark and Copyright: You may not use the ERIS trademarks or attribute any work to ERIS other than as outlined above. This Service and Report(s) are protected by copyright owned by ERIS Information Inc. Copyright in data used in the Service or Report(s) (the "Data") is owned by ERIS or its licensors. The Service, Report(s) and Data may not be copied or reproduced in whole or in any substantial part without prior written consent of ERIS.

Executive Summary

Property Information:

Project Property: 249-261 East Hampton Road
249-261 East Hampton Road Milwaukee WI 53217

Project No:

Coordinates:

Latitude: 43.103738
Longitude: -87.907681
UTM Northing: 4,772,734.67
UTM Easting: 426,140.78
UTM Zone: UTM Zone 16T

Elevation: 643 FT

Order Information:

Order No: 20180803044
Date Requested: August 3, 2018
Requested by: Friess Environmental Consulting, Inc.
Report Type: Screen Report Plus

Historicals/Products:

Executive Summary: Report Summary

<i>Database</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.250mi</i>	<i>Total</i>
<u>Standard Environmental Records</u>				
Federal				
NPL	Y	0	0	0
PROPOSED NPL	Y	0	0	0
DELETED NPL	Y	0	0	0
SEMS	Y	0	0	0
SEMS ARCHIVE	Y	0	0	0
ODI	Y	0	0	0
CERCLIS	Y	0	0	0
IODI	Y	0	0	0
CERCLIS NFRAP	Y	0	0	0
CERCLIS LIENS	Y	0	0	0
RCRA CORRACTS	Y	0	0	0
RCRA TSD	Y	0	0	0
RCRA LQG	Y	0	1	1
RCRA SQG	Y	0	0	0
RCRA CESQG	Y	0	2	2
RCRA NON GEN	Y	0	1	1
FED ENG	Y	0	0	0
FED INST	Y	0	0	0
ERNS 1982 TO 1986	Y	0	0	0
ERNS 1987 TO 1989	Y	0	0	0
ERNS	Y	0	0	0
FED BROWNFIELDS	Y	0	0	0
FEMA UST	Y	0	0	0
SEMS LIEN	Y	0	0	0
SUPERFUND ROD	Y	0	0	0

State

Database	Searched	Project Property	Within 0.250mi	Total
SHWS	Y	0	0	0
SWF/LF	Y	0	0	0
WDS	Y	0	0	0
SHWIMS	Y	0	0	0
LUST	Y	0	4	4
LAST	Y	0	0	0
UST	Y	0	8	8
AST	Y	0	0	0
DEL STORAGE TANK	Y	0	4	4
DELISTED LST	Y	0	0	0
CRS	Y	0	4	4
AUL	Y	0	1	1
VCP	Y	0	0	0
BEAP	Y	0	0	0
BROWNFIELDS	Y	0	1	1
ERP	Y	0	2	2
HIST LF	Y	0	0	0

Tribal

INDIAN LUST	Y	0	0	0
INDIAN UST	Y	0	0	0
DELISTED ILST	Y	0	0	0
DELISTED IUST	Y	0	0	0

County

No County standard environmental record sources available for this State.

Additional Environmental Records

Federal

FINDS/FRS	Y	0	3	3
TRIS	Y	0	0	0
HMIRS	Y	0	0	0
NCDL	Y	0	0	0
TSCA	Y	0	0	0
HIST TSCA	Y	0	0	0
FTTS ADMIN	Y	0	0	0
FTTS INSP	Y	0	0	0
PRP	Y	0	0	0
SCRD DRYCLEANER	Y	0	0	0
ICIS	Y	0	0	0
FED DRYCLEANERS	Y	0	0	0
DELISTED FED DRY	Y	0	0	0

Database	Searched	Project Property	Within 0.250mi	Total
FUDS	Y	0	0	0
MLTS	Y	0	0	0
HIST MLTS	Y	0	0	0
MINES	Y	0	0	0
ALT FUELS	Y	0	0	0
SSTS	Y	0	0	0
PCB	Y	0	0	0

State

TIER 2	Y	0	0	0
SPILLS	Y	0	1	1
AGSPILLS	Y	0	0	0
BRRTS	Y	0	1	1
AG SPILL REMED	Y	0	0	0
DELISTED BRRT	Y	0	0	0
DRYCLEANERS	Y	0	1	1

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

Total: 0 34 34

Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev Diff (ft)</i>	<i>Page Number</i>
----------------	-----------	--------------------------	----------------	------------------	-------------------------	-----------------------	--------------------

No records found in the selected databases for the project property.

Executive Summary, Site Report Summary, Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
m1d	CRS-630955-aa	ONE HOUR MARTINIZING	285 E Hampton Ave Milwaukee WI	NNE	0.02 / 95.51	-1	20 p1p-02188130955-x1x
m1d	DRYCLEANERS	One Hour Martinizing	285 E Hampton Avenue Milwaukee WI 53217	NNE	0.02 / 95.51	-1	20 p1p-021881307036-x1x
m1d	DEL STORAGE TANK-812881583-aa	ONE HOUR MARTINIZING	285 E HAMPTON AVE MILWAUKEE WI 53217	NNE	0.02 / 95.51	-1	20 p1p-0218813081583-x1x
m1d	ERP-623809-aa	ONE HOUR MARTINIZING	285 E HAMPTON AVE MILWAUKEE WI 53217	NNE	0.02 / 95.51	-1	20 p1p-0218813023809-x1x
m1d	FINDS/FRS	ONE HOUR MARTINIZING	285 E HAMPTON AVE MILWAUKEE WI 53217-5803	NNE	0.02 / 95.51	-1	33 p1p-021881305607-x1x
m1d	UST-620914-aa	ONE HOUR MARTINIZING	285 E HAMPTON AVE MILWAUKEE WI 53217 Site ID: 1186800 Status: CLOSED	NNE	0.02 / 95.51	-1	34 p1p-0218813020914-x1x
m1d	RCRA CESQG-810857018-aa	ONE HOUR MARTINIZING	285 E HAMPTON AVE MILWAUKEE WI 53217	NNE	0.02 / 95.51	-1	43 p1p-02188130857018-x1x
m1d	RCRA NON GEN-810198511-aa	ONE HOUR MARTINIZING	285 E HAMPTON AVE MILWAUKEE WI 53217	NNE	0.02 / 95.51	-1	43 p1p-02188130198511-x1x
m1d	UST-649666-aa	ONE HOUR MARTINIZING	285 E Hampton Ave Milwaukee WI 53217 License No: 647569 Tank ID Tank Status: 304007 Closed/Removed, 305820 Closed/Removed, 304010 Closed/Removed, 304011 Closed/Removed, 304009 Closed/Removed, 304008 Closed/Removed, 304006 Closed/Removed, 304005 Closed/Removed	NNE	0.02 / 95.51	-1	44 p1p-0218813049666-x1x
m2d	FINDS/FRS	CVS PHARMACY #8768	240 E HAMPTON WHITEFISH BAY WI 53217-5850	N	0.02 / 113.25	-1	49 p1p-0218813070401-x1x
m2d	RCRA LQG-810860164-aa	CVS PHARMACY #8768	240 E HAMPTON RD WHITEFISH BAY WI 53217	N	0.02 / 113.25	-1	50 p1p-02188130860164-x1x
m3d	SPILLS-832113605-aa	E HAMPTON RD & N SANTA MONICA BLVD	E HAMPTON RD & N SANTA MONICA WHITEFISH BAY WI Site ID: 50025000 Status: CLOSED	ENE	0.03 / 161.06	0	51 p1p-0218813032113605-x1x

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
m4d	BROWNFIELDS	BAY VILLAGE SUBDIVISION BLOCK 4 LOT 1	4801-4831 N ANITA AVE WHITEFISH BAY WI 53217	NW	0.04 / 201.84	-1	53 <small>p1p-61280582740-x1x</small>
m4d	BRRTS	BAY VILLAGE SUBDIVISION BLOCK 4 LOT 1	4801-4831 N ANITA AVE WHITEFISH BAY WI 53217	NW	0.04 / 201.84	-1	54 <small>p1p-61280582740-x1x</small>
m5d	CRS	CLARK OIL STATION #562	4751 N Santa Monica Blvd Whitefish Bay WI	SE	0.04 / 214.92	0	55 <small>p1p-61280582740-x1x</small>
m5d	DEL STORAGE TANK	CLARK OF MILWAUKEE INC	4751 N SANTA MONICA BLVD MILWAUKEE WI 53211	SE	0.04 / 214.92	0	55 <small>p1p-61280582740-x1x</small>
m5d	LUST	CLARK OIL STATION #562	4751 N SANTA MONICA BLVD WHITEFISH BAY WI Site ID: 3375200 Status: CLOSED	SE	0.04 / 214.92	0	56 <small>p1p-61280582740-x1x</small>
m5d	UST	Clark Of Milwaukee Inc	4751 N Santa Monica Blvd Milwaukee WI 53211 License No: 416189 Tank ID Tank Status: 57460 Closed/Removed, 113159 In Use, 112903 In Use, 57461 Closed/Removed	SE	0.04 / 214.92	0	61 <small>p1p-61280582740-x1x</small>
m6d	CRS	HARTERS AMOCO STATION	303 E Hampton Ave Whitefish Bay WI	ENE	0.05 / 271.16	0	65 <small>p1p-61280582740-x1x</small>
m6d	DEL STORAGE TANK	ZAMAN PROPERTIES LLC	303 E HAMPTON AVE WHITEFISH BAY WI 53217	ENE	0.05 / 271.16	0	66 <small>p1p-61280582740-x1x</small>
m6d	FINDS/FRS	HARDERS STANDARD	303 E HAMPTON AVE WHITEFISH BAY WI 53217-5926	ENE	0.05 / 271.16	0	66 <small>p1p-61280582740-x1x</small>
m6d	LUST	HARDERS STANDARD	303 E HAMPTON AVE WHITEFISH BAY WI 53217 Site ID: 1526800 Status: CLOSED	ENE	0.05 / 271.16	0	67 <small>p1p-61280582740-x1x</small>
m6d	RCRA CESQG	HARDERS STANDARD	303 E HAMPTON AVE WHITEFISH BAY WI 53211	ENE	0.05 / 271.16	0	71 <small>p1p-61280582740-x1x</small>
m6d	UST	Zaman Properties LLC	303 E Hampton Ave Whitefish Bay WI 53217 License No: 415928 Tank ID Tank Status: 55381 Closed/Removed, 56474 Closed/Removed, 107686 In Use, 57345 Closed/Removed, 48937 Closed/Removed, 107895 In Use, 46899 Closed/Removed, 46898 Closed/Removed, 110448 In Use	ENE	0.05 / 271.16	0	71 <small>p1p-61280582740-x1x</small>
m7d	AUL	AMOCO STATION #19721	190 W HAMPTON AVE MILWAUKEE WI	W	0.20 / 1,077.50	-5	79 <small>p1p-61280582740-x1x</small>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
m7d	CRS ^{0205795-aa}	AMOCO STATION #19721	190 W Hampton Ave Milwaukee WI	W	0.20 / 1,077.50	-5	80 <small>p1p-01-01-0205795-x1s</small>
m7d	UST ^{050609-aa}	AMOCO STATION #19721	190 W HAMPTON AVE MILWAUKEE WI Site ID: 3217100 Status: CLOSED	W	0.20 / 1,077.50	-5	81 <small>p1p-01-01-050609-x1s</small>
m7d	UST ^{0754901-aa}	AMOCO OIL	190 W Hampton Ave Milwaukee WI 53217 License No: 52693 Tank ID Tank Status: 303346 Closed/Removed, 303344 Closed/Removed, 303345 Closed/Removed, 303347 Closed/Removed	W	0.20 / 1,077.50	-5	86 <small>p1p-01-01-0754901-x1s</small>
m8d	ERP ^{048742-aa}	BAY VILLAGE APARTMENTS	240 E CHATEAU PLACE WHITEFISH BAY WI 53217	NNW	0.22 / 1,140.23	-1	89 <small>p1p-01-01-048742-x1s</small>
m9d	DEL STORAGE TANK-612837134-aa	JOANNE BACHER	4766 N HOLLYWOOD WHITEFISH BAY WI 53217	ESE	0.22 / 1,183.08	-1	92 <small>p1p-01-01-612837134-x1s</small>
m9d	UST ^{0829472-aa}	Joanne Bacher	4766 N Hollywood Whitefish Bay WI 53217 License No: 463687 Tank ID Tank Status: 98304 In Use	ESE	0.22 / 1,183.08	-1	92 <small>p1p-01-01-0829472-x1s</small>
m10d	UST ^{0852254-aa}	M SANDRA CASPER	500 E Chateau Pl Whitefish Bay WI 53217 License No: 106641 Tank ID Tank Status: 308245 Closed/Removed	NE	0.23 / 1,215.10	1	93 <small>p1p-01-01-0852254-x1s</small>
m11d	UST ^{0845620-aa}	PARKSIDE MANAGEMENT CO	4848 N Lydell Ave Milwaukee WI 53217 License No: 116557 Tank ID Tank Status: 303309 Closed/Removed, 303310 Closed/Removed, 303312 Closed/Removed, 303343 Closed/Removed, 303311 Closed/Removed, 303342 Closed/Removed, 303341 Closed/Removed	WNW	0.23 / 1,229.98	-4	94 <small>p1p-01-01-0845620-x1s</small>
m12d	UST ^{08832749-aa}	JOHN CRYCH	4931 N Diversey Blvd Whitefish Bay WI 53217 License No: 95211 Tank ID Tank Status: 298485 Closed/Removed	NE	0.25 / 1,312.17	1	98 <small>p1p-01-01-08832749-x1s</small>

Executive Summary: Summary by Data Source

Standard

Federal

RCRA LQG - RCRA Generator List

A search of the RCRA LQG database, dated Apr 12, 2018 has found that there are 1 RCRA LQG site(s) within approximately 0.25 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
CVS PHARMACY #8768	240 E HAMPTON RD WHITEFISH BAY WI 53217	N	0.02 / 113.25	<u>2</u>

RCRA CESQG - RCRA Conditionally Exempt Small Quantity Generators List

A search of the RCRA CESQG database, dated Apr 12, 2018 has found that there are 2 RCRA CESQG site(s) within approximately 0.25 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ONE HOUR MARTINIZING	285 E HAMPTON AVE MILWAUKEE WI 53217	NNE	0.02 / 95.51	<u>1</u>
HARDERS STANDARD	303 E HAMPTON AVE WHITEFISH BAY WI 53211	ENE	0.05 / 271.16	<u>6</u>

RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Apr 12, 2018 has found that there are 1 RCRA NON GEN site(s) within approximately 0.25 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ONE HOUR MARTINIZING	285 E HAMPTON AVE MILWAUKEE WI 53217	NNE	0.02 / 95.51	<u>1</u>

State

LUST - Leaking Underground Storage Tanks

A search of the LUST database, dated May 1, 2018 has found that there are 4 LUST site(s) within approximately 0.50 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
CLARK OIL STATION #562	4751 N SANTA MONICA BLVD WHITEFISH BAY WI <i>Site ID: 3375200</i> <i>Status: CLOSED</i>	SE	0.04 / 214.92	5
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ONE HOUR MARTINIZING	285 E HAMPTON AVE MILWAUKEE WI 53217 <i>Site ID: 1186800</i> <i>Status: CLOSED</i>	NNE	0.02 / 95.51	1
HARDERS STANDARD	303 E HAMPTON AVE WHITEFISH BAY WI 53217 <i>Site ID: 1526800</i> <i>Status: CLOSED</i>	ENE	0.05 / 271.16	6
AMOCO STATION #19721	190 W HAMPTON AVE MILWAUKEE WI <i>Site ID: 3217100</i> <i>Status: CLOSED</i>	W	0.20 / 1,077.50	7

UST - Underground Storage Tanks

A search of the UST database, dated May 9, 2018 has found that there are 8 UST site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Clark Of Milwaukee Inc	4751 N Santa Monica Blvd Milwaukee WI 53211 <i>License No: 416189</i> <i>Tank ID Tank Status: 57460 Closed/Removed, 113159 In Use, 112903 In Use, 57461 Closed/Removed</i>	SE	0.04 / 214.92	5
M SANDRA CASPER	500 E Chateau Pl Whitefish Bay WI 53217 <i>License No: 106641</i> <i>Tank ID Tank Status: 308245 Closed/Removed</i>	NE	0.23 / 1,215.10	10
JOHN CRYCH	4931 N Diversey Blvd Whitefish Bay WI 53217 <i>License No: 95211</i> <i>Tank ID Tank Status: 298485 Closed/Removed</i>	NE	0.25 / 1,312.17	12
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ONE HOUR MARTINIZING	285 E Hampton Ave Milwaukee WI 53217 <i>License No: 647569</i> <i>Tank ID Tank Status: 304007 Closed/Removed, 305820 Closed/Removed, 304010 Closed/Removed, 304011 Closed/Removed, 304009 Closed/Removed, 304008 Closed/Removed, 304006 Closed/Removed, 304005 Closed/Removed</i>	NNE	0.02 / 95.51	1
Zaman Properties LLC	303 E Hampton Ave Whitefish Bay WI 53217	ENE	0.05 / 271.16	6

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	<i>License No: 415928</i> <i>Tank ID Tank Status: 55381 Closed/Removed, 56474 Closed/Removed, 107686 In Use, 57345 Closed/Removed, 48937 Closed/Removed, 107895 In Use, 46899 Closed/Removed, 46898 Closed/Removed, 110448 In Use</i>			
AMOCO OIL	190 W Hampton Ave Milwaukee WI 53217	W	0.20 / 1,077.50	<u>7</u>
	<i>License No: 52693</i> <i>Tank ID Tank Status: 303346 Closed/Removed, 303344 Closed/Removed, 303345 Closed/Removed, 303347 Closed/Removed</i>			
Joanne Bacher	4766 N Hollywood Whitefish Bay WI 53217	ESE	0.22 / 1,183.08	<u>9</u>
	<i>License No: 463687</i> <i>Tank ID Tank Status: 98304 In Use</i>			
PARKSIDE MANAGEMENT CO	4848 N Lydell Ave Milwaukee WI 53217	WNW	0.23 / 1,229.98	<u>11</u>
	<i>License No: 116557</i> <i>Tank ID Tank Status: 303309 Closed/Removed, 303310 Closed/Removed, 303312 Closed/Removed, 303343 Closed/Removed, 303311 Closed/Removed, 303342 Closed/Removed, 303341 Closed/Removed</i>			

DEL STORAGE TANK - Delisted Storage Tanks

A search of the DEL STORAGE TANK database, dated May 09, 2018 has found that there are 4 DEL STORAGE TANK site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
CLARK OF MILWAUKEE INC	4751 N SANTA MONICA BLVD MILWAUKEE WI 53211	SE	0.04 / 214.92	<u>5</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ONE HOUR MARTINIZING	285 E HAMPTON AVE MILWAUKEE WI 53217	NNE	0.02 / 95.51	<u>1</u>
ZAMAN PROPERTIES LLC	303 E HAMPTON AVE WHITEFISH BAY WI 53217	ENE	0.05 / 271.16	<u>6</u>
JOANNE BACHER	4766 N HOLLYWOOD WHITEFISH BAY WI 53217	ESE	0.22 / 1,183.08	<u>9</u>

CRS - Closed Remediation Sites

A search of the CRS database, dated Jul 13, 2018 has found that there are 4 CRS site(s) within approximately 0.50 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
CLARK OIL STATION #562	4751 N Santa Monica Blvd Whitefish Bay WI	SE	0.04 / 214.92	5

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ONE HOUR MARTINIZING	285 E Hampton Ave Milwaukee WI	NNE	0.02 / 95.51	1
HARTERS AMOCO STATION	303 E Hampton Ave Whitefish Bay WI	ENE	0.05 / 271.16	6
AMOCO STATION #19721	190 W Hampton Ave Milwaukee WI	W	0.20 / 1,077.50	7

AUL - Deed Restriction at Closeout Sites

A search of the AUL database, dated May 1, 2018 has found that there are 1 AUL site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
AMOCO STATION #19721	190 W HAMPTON AVE MILWAUKEE WI	W	0.20 / 1,077.50	7

BROWNFIELDS - Brownfields Listing

A search of the BROWNFIELDS database, dated May 1, 2018 has found that there are 1 BROWNFIELDS site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
BAY VILLAGE SUBDIVISION BLOCK 4 LOT 1	4801-4831 N ANITA AVE WHITEFISH BAY WI 53217	NW	0.04 / 201.84	4

ERP - Environmental Repair

A search of the ERP database, dated May 1, 2018 has found that there are 2 ERP site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ONE HOUR MARTINIZING	285 E HAMPTON AVE MILWAUKEE WI 53217	NNE	0.02 / 95.51	1

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
BAY VILLAGE APARTMENTS	240 E CHATEAU PLACE WHITEFISH BAY WI 53217	NNW	0.22 / 1,140.23	8

Non Standard

Federal

FINDS/FRS - Facility Registry Service/Facility Index

A search of the FINDS/FRS database, dated Apr 17, 2018 has found that there are 3 FINDS/FRS site(s) within approximately 0.02 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ONE HOUR MARTINIZING	285 E HAMPTON AVE MILWAUKEE WI 53217-5803	NNE	0.02 / 95.51	1
CVS PHARMACY #8768	240 E HAMPTON WHITEFISH BAY WI 53217-5850	N	0.02 / 113.25	2
HARDERS STANDARD	303 E HAMPTON AVE WHITEFISH BAY WI 53217-5926	ENE	0.05 / 271.16	6

State

SPILLS - Spills

A search of the SPILLS database, dated May 1, 2018 has found that there are 1 SPILLS site(s) within approximately 0.12 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
E HAMPTON RD & N SANTA MONICA BLVD	E HAMPTON RD & N SANTA MONICA WHITEFISH BAY WI	ENE	0.03 / 161.06	3
	<i>Site ID: 50025000</i> <i>Status: CLOSED</i>			

BRRTS - Wisconsin Bureau for Remediation and Redevelopment Tracking System

A search of the BRRTS database, dated May 1, 2018 has found that there are 1 BRRTS site(s) within approximately 0.02 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
BAY VILLAGE SUBDIVISION BLOCK 4 LOT 1	4801-4831 N ANITA AVE WHITEFISH BAY WI 53217	NW	0.04 / 201.84	4

DRYCLEANERS - Five Star Recognition Program Sites

A search of the DRYCLEANERS database, dated Jan 1, 2013 has found that there are 1 DRYCLEANERS site(s) within approximately 0.25 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
One Hour Martinizing	285 E Hampton Avenue Milwaukee WI 53217	NNE	0.02 / 95.51	1



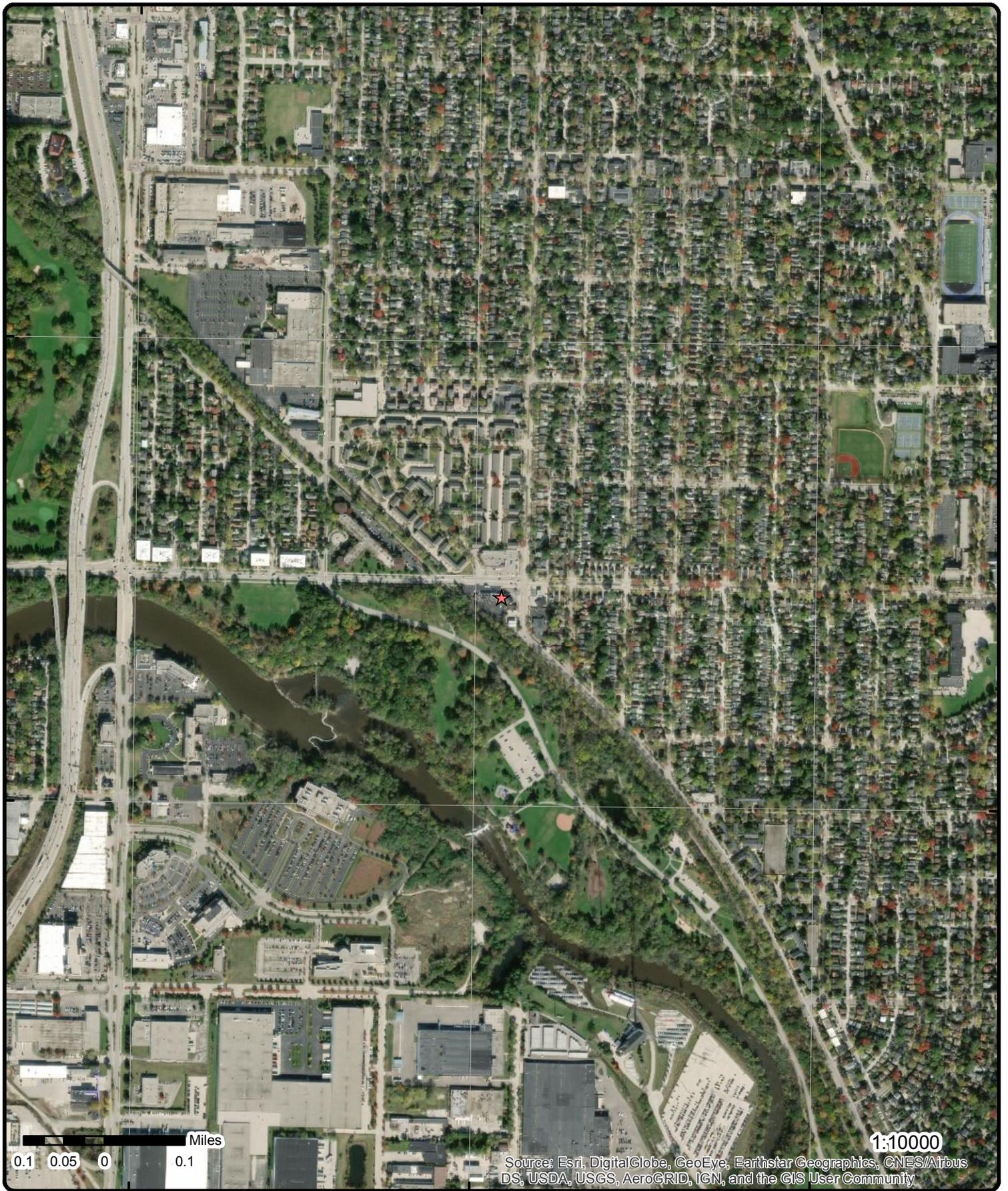
Map : 0.25 Mile Radius

Order No: 20180803044

Address: 249-261 East Hampton Road, Milwaukee, WI 53217 US



Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas:Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	Historic Fill	State Superfund Areas:NPL
Eris Sites with Unknown Elevation	Secondary Roads	100 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	500 Year Flood Zone	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		



Aerial (2017)

Address: 249-261 East Hampton Road, Milwaukee, WI 53217 US

Source: ESRI World Imagery

Order No: 20180803044



© ERIS Information Inc.



Topographic Map (2016)

Address: 249-261 East Hampton Road, Milwaukee, WI 53217 US

Quadrangle(s): Milwaukee, WI

Source: USGS Topographic Map

Order No: 20180803044



© ERIS Information Inc.

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 9	NNE	0.02 / 95.51	641.95 / -1	ONE HOUR MARTINIZING 285 E Hampton Ave Milwaukee WI	CRS

Facility I:	241176650	WTM91 X AM:	690282.96875
Detail Sequence No:	29351	WTM91 Y AM:	294459.34875
Act Code:	340	Latitude:	43.1037302
Activity Detail No:	0341002225	Longitude:	-87.9073603
Start Date:	3/16/1992	Registry I:	YES
End Date:	3/1/2017	PLSS Desc:	NENE0507N22E

1	2 of 9	NNE	0.02 / 95.51	641.95 / -1	One Hour Martinizing 285 E Hampton Avenue Milwaukee WI 53217	DRYCLEANERS
-------------------	--------	-----	--------------	-------------	---	--------------------

Owner: Brian Cass
Phone: 414-964-4747

1	3 of 9	NNE	0.02 / 95.51	641.95 / -1	ONE HOUR MARTINIZING 285 E HAMPTON AVE MILWAUKEE WI 53217	DEL STORAGE TANK
-------------------	--------	-----	--------------	-------------	--	-----------------------------

Site ID:	678250	Fire Dept ID:	4020
Object Type:	UST	Fire Dept Name:	Milwaukee Bldg Insp
Municipality Type:		County:	
Municipality Name:	MILWAUKEE	County Name:	MILWAUKEE
Land Owner Type:	Private		
Original Source:	UST		
Record Date:	12-DEC-2016		

1	4 of 9	NNE	0.02 / 95.51	641.95 / -1	ONE HOUR MARTINIZING 285 E HAMPTON AVE MILWAUKEE WI 53217	ERP
-------------------	--------	-----	--------------	-------------	--	------------

Site ID:	1186800	County:	41
BRRTS No:		County Name:	MILWAUKEE
Database Source:	BRRTS Bulk data download; BRRTS Web List Search	Latitude:	43.103795
Region:	SOUTHEAST	Longitude:	-87.90739920

Facility Activity Information

Detail Seq No: 543260 **Risk Code:** N/A

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
Act Code:	330			Acres:	UNKNOWN	
Activity Type:	ERP			Acres 100:	Yes	
Status CD:	O			Juris:	DNR RR	
Status:	OPEN			NPL Flag:	No	
Dcom No:	NONE			DCOM DB Track Flag:	No	
Comm Occurrence ID:	NONE			PECFA Eligible Flag:	No	
EPA CERCLIS ID:				AST Flag:	No	
FID:	241176650			Drycleaner Flag:	Yes	
Activity Name:	ONE HOUR MARTINIZING			Co Contam Flag:	No	
Activity No:	0241543260			PLSS:	NE 1/4 of the NE 1/4 of Sec 05, T07N, R22E	
Activity Display No:	02-41-543260			Geo Located Flag:	Yes	
Start Date:	1992-03-19			Gis Registry Flag:	No	
End Date:				GIS Area Point Flag:	P	
Last Action:	2018-01-05			Latitude:	43.103795	
Activity Detail Address:				Longitude:	-87.90739920	
Activity Comments:		PCE CONTAMINATION IN SOIL AND GROUNDWATER				

Action Information

Action Date: 06/29/2012
Action Code: 99
Action Name: Miscellaneous/2
Action Desc: Miscellaneous Action - See Action Comments
Action Comment: CONSULTANT PREPARING STATUS UPDATE, NEEDS INSURANCE CARRIER APPROVAL

Action Date: 08/27/2010 8:54:04 AM
Action Code: 213
Action Name: Interim Action Workplan Received - DERF
Action Desc: Date the DNR receives the Interim Action Workplan. Details the actions to be taken to contain or stabilize the contamination, includes a temporary engineering control. Workplan must include an SI schedule.
Action Comment:

Action Date: 05/15/2013 10:18:11 AM
Action Code: 99
Action Name: Miscellaneous/11
Action Desc: Miscellaneous Action - See Action Comments
Action Comment: UPDATED RP TO OHM HOLDINGS INC & ADDED CHARLES CASS AS RP CONTACT/AGENT

Action Date: 11/19/1992
Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comment: SIRPT REC'D

Action Date: 06/11/2015
Action Code: 137
Action Name: Site Investigation Report Received with Fee
Action Desc: Date the DNR receives the Site Investigation Report and RP pays a fee for DNR review. The report provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
Action Comment:			REC'D CK# 49088 \$1,050.00			
Action Date:			11/27/2012			
Action Code:			300			
Action Name:			Informal Review Performed for a Non-Fee Related Submittal			
Action Desc:			Date the informal/expedited review was completed for a non-fee related submittal. Please see action comment which indicates if Project Manager response was provided by phone or email.			
Action Comment:			REVIEWED STATUS RPT			
Action Date:			11/15/1994			
Action Code:			40			
Action Name:			Remedial Action Options Report Approved			
Action Desc:			Date the DNR approves the RAOR and RP is notified via written or verbal communication.			
Action Comment:			RA WORK PLAN APPROVED			
Action Date:			02/21/1995			
Action Code:			99			
Action Name:			Miscellaneous			
Action Desc:			Miscellaneous Action - See Action Comments			
Action Comment:			RERANK TO HIGH OF 34.00			
Action Date:			02/06/2014			
Action Code:			198			
Action Name:			Request for Additional Information (Fee-Based or Closure)			
Action Desc:			Date DNR requests additional information in order to make a determination on a fee-based or closure submittal.			
Action Comment:			REQUESTED WELL ABANDONMENT AND IDW DISPOSAL			
Action Date:			01/30/2001			
Action Code:			99			
Action Name:			Miscellaneous/4			
Action Desc:			Miscellaneous Action - See Action Comments			
Action Comment:			JH ADD'L INFO REC'D			
Action Date:			06/09/2005			
Action Code:			2			
Action Name:			RP Letter Sent			
Action Desc:			Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.			
Action Comment:						
Action Date:			11/09/2012 2:04:15 PM			
Action Code:			43			
Action Name:			Status Report Received/12			
Action Desc:			Date updates on progress are received. Can be 30, 60, 90 days or other interval.			
Action Comment:						
Action Date:			01/19/2016			
Action Code:			99			
Action Name:			Miscellaneous/20			
Action Desc:			Miscellaneous Action - See Action Comments			
Action Comment:			GW REPORT			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
Action Date:		07/06/2015 8:58:51 AM				
Action Code:	195					
Action Name:		Semi-Annual/PECFA Cost Reporting Requirement Met /3				
Action Desc:		Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.				
Action Comment:		Period: 1/1/2015 - 6/30/2015				
Action Date:		03/06/2008				
Action Code:	110					
Action Name:		Date Potential Claim Form Approved - DERF				
Action Desc:		Date the DNR approved the potential claim form.				
Action Comment:						
Action Date:		11/10/1997				
Action Code:	43					
Action Name:		Status Report Received/10				
Action Desc:		Date updates on progress are received. Can be 30, 60, 90 days or other interval.				
Action Comment:						
Action Date:		03/19/1992				
Action Code:	1					
Action Name:		Notification				
Action Desc:		Date the DNR is notified of the discovery of the contamination.				
Action Comment:						
Action Date:		03/02/2005				
Action Code:	90					
Action Name:		Start FIFO Review/3				
Action Desc:		Southeast Region FIFO (First in, First out) review start. Used to track submittals in SER. (SER code).				
Action Comment:		ADD'L INFO REC'D FOR REVIEW PICKED UP 3.10.05				
Action Date:		06/24/2010				
Action Code:	35					
Action Name:		Site Investigation Workplan Received (w/out Fee)				
Action Desc:		Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.				
Action Comment:						
Action Date:		11/07/2000				
Action Code:	80					
Action Name:		Closure Not Approved				
Action Desc:		Date closure not approved letter is sent.				
Action Comment:		JH SI-DE, PND. NAD, MIM, UC, ASR				
Action Date:		09/30/2004				
Action Code:	91					
Action Name:		End FIFO Review/2				
Action Desc:		Southeast Region FIFO (First in, First out) review end. Used to track submittals in SER. (SER code).				
Action Comment:		ADD'L INFO LTR SENT FOR CLOSURE DETERMINATION				
Action Date:		12/12/1996				

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
Action Code:			43			
Action Name:			Status Report Received/3			
Action Desc:			Date updates on progress are received. Can be 30, 60, 90 days or other interval.			
Action Comment:						
Action Date:			03/28/1997			
Action Code:			99			
Action Name:			Miscellaneous/4			
Action Desc:			Miscellaneous Action - See Action Comments			
Action Comment:			FORM 4 APPROVED			
Action Date:			09/25/2014			
Action Code:			98			
Action Name:			Technical Assistance Provided			
Action Desc:			Date DNR provides fee-based technical assistance on a portion of a site investigation or cleanup.			
Action Comment:						
Action Date:			09/25/2014			
Action Code:			97			
Action Name:			Request for Technical Assistance Received with Fee			
Action Desc:			Date DNR receives a request for technical assistance and a fee has been paid.			
Action Comment:			REC'D CK# 47170 \$700.00			
Action Date:			07/28/2004			
Action Code:			50			
Action Name:			GIS Registry Site			
Action Desc:			Site conditions merit placement on GIS registry.			
Action Comment:						
Action Date:			01/11/2017 10:29:33 AM			
Action Code:			195			
Action Name:			Semi-Annual/PECFA Cost Reporting Requirement Met /6			
Action Desc:			Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.			
Action Comment:			Period: 7/1/2016 - 12/31/2016			
Action Date:			11/07/2017			
Action Code:			99			
Action Name:			Miscellaneous/22			
Action Desc:			Miscellaneous Action - See Action Comments			
Action Comment:			GW RESULTS FROM OFFSITE LOCATIONS			
Action Date:			08/07/2014			
Action Code:			99			
Action Name:			Miscellaneous/17			
Action Desc:			Miscellaneous Action - See Action Comments			
Action Comment:			REC'D GW RESULTS TO OFFSITE PROPERTY OWNERS (DATED 8/4 AND 8/5/14)			
Action Date:			10/25/2007			
Action Code:			99			
Action Name:			Miscellaneous			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
Action Desc:					Miscellaneous Action - See Action Comments	
Action Comment:					PRE-DISCOVERY INVESTIGATION RESULTS	
Action Date:					04/13/2005	
Action Code:					91	
Action Name:					End FIFO Review/3	
Action Desc:					Southeast Region FIFO (First in, First out) review end. Used to track submittals in SER. (SER code).	
Action Comment:					ADD'L INFO NEEDED FOR CLOSURE REVIEW	
Action Date:					10/25/2007	
Action Code:					29	
Action Name:					Phase II Environmental Site Assessment Rpt Received	
Action Desc:					Date that the DNR received a Phase II, (including 2.5, 3 or 4) Environmental Site Assessment Report.	
Action Comment:						
Action Date:					10/15/2013 3:06:54 PM	
Action Code:					2	
Action Name:					RP Letter Sent/3	
Action Desc:					Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.	
Action Comment:						
Action Date:					09/01/2010	
Action Code:					214	
Action Name:					Interim Action Workplan Approved - DERF	
Action Desc:					Date the DNR approves the Interim Action Workplan.	
Action Comment:						
Action Date:					10/25/2007	
Action Code:					28	
Action Name:					Phase I Environmental Site Assessment Rpt Received	
Action Desc:					Date that the DNR received a Phase I Environmental Site Assessment Report.	
Action Comment:					AUTOPOPULATED FROM 29 ENTRY	
Action Date:					05/20/2004	
Action Code:					43	
Action Name:					Status Report Received/11	
Action Desc:					Date updates on progress are received. Can be 30, 60, 90 days or other interval.	
Action Comment:					PREPARATION OF CLOSURE REQUEST LTR TO COMMERCE	
Action Date:					02/04/2014	
Action Code:					99	
Action Name:					Miscellaneous/12	
Action Desc:					Miscellaneous Action - See Action Comments	
Action Comment:					GW RESULTS TO OFFSITE PROPERTY OWNERS	
Action Date:					03/27/2015	
Action Code:					43	
Action Name:					Status Report Received/17	
Action Desc:					Date updates on progress are received. Can be 30, 60, 90 days or other interval.	
Action Comment:					GW RESULTS FOR MW-13	

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
Action Date:		01/24/1997				
Action Code:		43				
Action Name:		Status Report Received/4				
Action Desc:		Date updates on progress are received. Can be 30, 60, 90 days or other interval.				
Action Comment:						
Action Date:		08/14/2000				
Action Code:		79				
Action Name:		Closure Review Request Received with Fee				
Action Desc:		Date DNR Project Manager determined that the Case Closure - GIS Registry (Form 4400-202) submittal was administratively complete and a review can begin. Fees have been paid for the review.				
Action Comment:		JH				
Action Date:		02/26/1997				
Action Code:		99				
Action Name:		Miscellaneous/3				
Action Desc:		Miscellaneous Action - See Action Comments				
Action Comment:		FORM 4 REC'D				
Action Date:		02/13/2015				
Action Code:		43				
Action Name:		Status Report Received/16				
Action Desc:		Date updates on progress are received. Can be 30, 60, 90 days or other interval.				
Action Comment:		GW AND VAPOR SAMPLE RESULTS, RESULTS SENT TO ROW AND PROPERTY OWNERS				
Action Date:		01/05/2016 2:25:27 PM				
Action Code:		195				
Action Name:		Semi-Annual/PECFA Cost Reporting Requirement Met /4				
Action Desc:		Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.				
Action Comment:		Period: 7/1/2015 - 12/31/2015				
Action Date:		07/06/2017 1:48:22 PM				
Action Code:		195				
Action Name:		Semi-Annual/PECFA Cost Reporting Requirement Met /7				
Action Desc:		Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.				
Action Comment:		Period: 1/1/2017 - 6/30/2017				
Action Date:		12/01/2014				
Action Code:		43				
Action Name:		Status Report Received/15				
Action Desc:		Date updates on progress are received. Can be 30, 60, 90 days or other interval.				
Action Comment:		REC'D ENVIRONMENTAL SAMPLING RESULTS				
Action Date:		04/13/2005				
Action Code:		80				
Action Name:		Closure Not Approved/2				
Action Desc:		Date closure not approved letter is sent.				
Action Comment:						
Action Date:		10/08/1997				

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
Action Code:			43			
Action Name:			Status Report Received/9			
Action Desc:			Date updates on progress are received. Can be 30, 60, 90 days or other interval.			
Action Comment:						
Action Date:			08/21/1996			
Action Code:			99			
Action Name:			Miscellaneous/2			
Action Desc:			Miscellaneous Action - See Action Comments			
Action Comment:			REQUEST FOR FURTHER WORK			
Action Date:			04/29/2014			
Action Code:			99			
Action Name:			Miscellaneous/13			
Action Desc:			Miscellaneous Action - See Action Comments			
Action Comment:			GE SAMPLING RESULTS			
Action Date:			01/06/2015 12:09:59 PM			
Action Code:			195			
Action Name:			Semi-Annual/PECFA Cost Reporting Requirement Met /2			
Action Desc:			Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.			
Action Comment:			Period: 7/1/2014 - 12/31/2014			
Action Date:			10/22/2014			
Action Code:			43			
Action Name:			Status Report Received/13			
Action Desc:			Date updates on progress are received. Can be 30, 60, 90 days or other interval.			
Action Comment:			REC'D GW SAMPLING RESULTS - 3 PACKETS (#1 MW10 & MW12) (#2 MW9 & MW11) & (#3 MW6 & MW7)			
Action Date:			08/27/1998			
Action Code:			99			
Action Name:			Miscellaneous/3			
Action Desc:			Miscellaneous Action - See Action Comments			
Action Comment:			MODS TO REMEDIAL SYSTEM			
Action Date:			08/14/1996			
Action Code:			43			
Action Name:			Status Report Received			
Action Desc:			Date updates on progress are received. Can be 30, 60, 90 days or other interval.			
Action Comment:						
Action Date:			01/30/2014			
Action Code:			130			
Action Name:			DNR Regulatory Reminder Sent/2			
Action Desc:			Date DNR sent written notification to Responsible Parties and/or other interested parties reminding them of a regulatory obligation.			
Action Comment:			DERF FUNDING STATUS LTR			
Action Date:			07/09/2014			
Action Code:			99			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
Action Name:		Miscellaneous/15				
Action Desc:		Miscellaneous Action - See Action Comments				
Action Comment:		CERTIFIED LTR SENT TO OFFSITE PROPERTY OWNER RETURNED - MARKED UNCLAIMED RETURN TO SENDER				
Action Date:		09/22/2015				
Action Code:		38				
Action Name:		Site Investigation Report Approved				
Action Desc:		Date the Site Investigation Report is approved by DNR staff.				
Action Comment:		SI APPROVAL LETTER SENT, REQUESTED RAP BIDS FROM RP FOR NEXT PHASE				
Action Date:		04/07/1992				
Action Code:		2				
Action Name:		RP Letter Sent				
Action Desc:		Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.				
Action Comment:						
Action Date:		04/17/2017				
Action Code:		99				
Action Name:		Miscellaneous/21				
Action Desc:		Miscellaneous Action - See Action Comments				
Action Comment:		REC'D OFFSITE GW RESULTS				
Action Date:		01/05/2018 10:02:28 AM				
Action Code:		195				
Action Name:		Semi-Annual/PECFA Cost Reporting Requirement Met /8				
Action Desc:		Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.				
Action Comment:		Period: 7/1/2017 - 12/31/2017				
Action Date:		07/08/2016 12:30:07 PM				
Action Code:		195				
Action Name:		Semi-Annual/PECFA Cost Reporting Requirement Met /5				
Action Desc:		Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.				
Action Comment:		Period: 1/1/2016 - 6/30/2016				
Action Date:		05/21/2014				
Action Code:		99				
Action Name:		Miscellaneous/14				
Action Desc:		Miscellaneous Action - See Action Comments				
Action Comment:		SENT CERTIFIED ACCESS LTR				
Action Date:		06/18/2015				
Action Code:		198				
Action Name:		Request for Additional Information (Fee-Based or Closure)/2				
Action Desc:		Date DNR requests additional information in order to make a determination on a fee-based or closure submittal.				
Action Comment:		REQUEST X-SECTION MAPS + UTILITY DEPTHS				
Action Date:		06/29/2010				
Action Code:		81				
Action Name:		Site Investigation Workplan Not Approved				

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
Action Desc:					Date the Site Investigation Workplan is denied or further work is requested by DNR staff for a site that has paid a fee for DNR review.	
Action Comment:					NEED TO EXPAND INVESTIGATION AREA, PIEZOMETERS REQ, VAPOR INTRUSION EVALUATION,ETC	
Action Date:					05/11/2010 9:54:52 AM	
Action Code:					200	
Action Name:					Push Action Taken	
Action Desc:					Any action, either written or verbal, taken by DNR to get an inactive site moving again.	
Action Comment:					NO ACTION SINCE DERF APPROVAL IN 2008 CERTIFIED LTR SENT	
Action Date:					07/28/2004	
Action Code:					710	
Action Name:					Database Fee Paid for Soil	
Action Desc:					Date Fee received for Closed Remediation Soil Site Registry.	
Action Comment:					REC'D CK #28905 \$200.00	
Action Date:					01/19/2016	
Action Code:					300	
Action Name:					Informal Review Performed for a Non-Fee Related Submittal/3	
Action Desc:					Date the informal/expedited review was completed for a non-fee related submittal. Please see action comment which indicates if Project Manager response was provided by phone or email.	
Action Comment:					REVIEWED GW REPORT	
Action Date:					07/15/2014	
Action Code:					99	
Action Name:					Miscellaneous/16	
Action Desc:					Miscellaneous Action - See Action Comments	
Action Comment:					PHONE CONF WITH ADJACENT PROP OWNER, WILL LET SAMPLE BE TAKEN SUBSLAB IN CONCRETE AREA, ACCESS.	
Action Date:					09/22/2014 3:44:15 PM	
Action Code:					195	
Action Name:					Semi-Annual/PECFA Cost Reporting Requirement Met	
Action Desc:					Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.	
Action Comment:					Period: 1/1/2014 - 6/30/2014	
Action Date:					08/08/1997	
Action Code:					43	
Action Name:					Status Report Received/7	
Action Desc:					Date updates on progress are received. Can be 30, 60, 90 days or other interval.	
Action Comment:						
Action Date:					10/24/2014	
Action Code:					300	
Action Name:					Informal Review Performed for a Non-Fee Related Submittal/2	
Action Desc:					Date the informal/expedited review was completed for a non-fee related submittal. Please see action comment which indicates if Project Manager response was provided by phone or email.	
Action Comment:					GW SAMPLE RESULTS TO PROPERTY OWNERS	
Action Date:					10/27/2014	
Action Code:					43	

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
Action Name:			Status Report Received/14			
Action Desc:			Date updates on progress are received. Can be 30, 60, 90 days or other interval.			
Action Comment:			REC'D ENVIRONMENTAL SAMPLING RESULTS			
Action Date:			07/15/1997			
Action Code:			43			
Action Name:			Status Report Received/6			
Action Desc:			Date updates on progress are received. Can be 30, 60, 90 days or other interval.			
Action Comment:						
Action Date:			10/05/2015			
Action Code:			99			
Action Name:			Miscellaneous/19			
Action Desc:			Miscellaneous Action - See Action Comments			
Action Comment:			RECV'D COPY OF GW SAMPLE REPORT FOR OFFSITE PROPERTY OWNER			
Action Date:			09/02/2004			
Action Code:			90			
Action Name:			Start FIFO Review/2			
Action Desc:			Southeast Region FIFO (First in, First out) review start. Used to track submittals in SER. (SER code).			
Action Comment:			CLOSURE REVIEW-GIS PKT COMPLETE PICKED UP 9.22.04			
Action Date:			07/28/2004			
Action Code:			700			
Action Name:			Database Fee Paid for Groundwater			
Action Desc:			Date Fee received for Closed Remediation Groundwater Site Registry.			
Action Comment:			REC'D CK #28905 \$250.00			
Action Date:			08/19/1997			
Action Code:			43			
Action Name:			Status Report Received/8			
Action Desc:			Date updates on progress are received. Can be 30, 60, 90 days or other interval.			
Action Comment:						
Action Date:			12/01/1997			
Action Code:			99			
Action Name:			Miscellaneous/2			
Action Desc:			Miscellaneous Action - See Action Comments			
Action Comment:			MEETING SUMMARY			
Action Date:			11/03/1998			
Action Code:			90			
Action Name:			Start FIFO Review			
Action Desc:			Southeast Region FIFO (First in, First out) review start. Used to track submittals in SER. (SER code).			
Action Comment:			GK.5/1/98 REQUEST OFF-SITE DETERMINATION/CLOSURE 5/13/98			
Action Date:			09/07/2011			
Action Code:			130			
Action Name:			DNR Regulatory Reminder Sent			
Action Desc:			Date DNR sent written notification to Responsible Parties and/or other interested parties reminding them of a regulatory obligation.			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Action Comment:					Vapor Intrusion (VI) Assessment Notification Ltr Sent	
Action Date:					09/21/2015	
Action Code:					199	
Action Name:					Additional Information Received (Fee-Based or Closure)	
Action Desc:					Date DNR received the additional information that it had requested in order to make a determination on a fee-based or closure submittal.	
Action Comment:					ADD'L INFO REC'D	
Action Date:					06/29/2015	
Action Code:					99	
Action Name:					Miscellaneous/18	
Action Desc:					Miscellaneous Action - See Action Comments	
Action Comment:					RECEIVED GW RESULTS LETTERS TO OFFSITE PROPERTY OWNERS.	
Action Date:					06/08/2005	
Action Code:					80	
Action Name:					Closure Not Approved/3	
Action Desc:					Date closure not approved letter is sent.	
Action Comment:					NEED DEED RESTRICTION/GIS & CAP MAINTENCE PLAN TO CLOSE	
Action Date:					04/26/2005	
Action Code:					501	
Action Name:					PECFA Bidding	
Action Desc:					Responsible party notified that bidding to establish a PECFA reimbursement cost cap will be done. See comments for bid details.	
Action Comment:						
Action Date:					11/07/1994	
Action Code:					39	
Action Name:					Remedial Action Options Report Received (w/out Fee)	
Action Desc:					Date DNR receives the RAOR (a workplan). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from the discharged hazardous substances and to restore the environment to the extent practicable.	
Action Comment:					RA WORK PLAN REC'D	
Action Date:					05/13/1998	
Action Code:					91	
Action Name:					End FIFO Review	
Action Desc:					Southeast Region FIFO (First in, First out) review end. Used to track submittals in SER. (SER code).	
Action Comment:					OFF-SITE DETERMINATION REQUEST DENIED. NEEDS ADD'L WORK	
Action Date:					08/20/1996	
Action Code:					43	
Action Name:					Status Report Received/2	
Action Desc:					Date updates on progress are received. Can be 30, 60, 90 days or other interval.	
Action Comment:						
Action Date:					06/20/1997	
Action Code:					43	
Action Name:					Status Report Received/5	
Action Desc:					Date updates on progress are received. Can be 30, 60, 90 days or other interval.	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
---------	-------------------	-----------	------------------	----------------	------	----

Action Comment:

Action Date: 06/08/2005
Action Code: 99
Action Name: Miscellaneous/5
Action Desc: Miscellaneous Action - See Action Comments
Action Comment: WILL NOT GO TO BID ROUND 38, COMMERCE REVOKE LTR

Action Date: 06/09/2005
Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comment: PCE CONTAMINATION FROM PREVIOUS REPORTS

Impacts Information

Impact Seq No: 545675 **Impact Code:** 04
Impact Comment: Groundwater Contamination **Potential Flag:**

Impact Seq No: 545674 **Impact Code:** 05
Impact Comment: Soil Contamination **Potential Flag:**

Substances Information

Substance Desc: Chlorinated Solvents
Spill Released Amt:
Spill Released Unit Code:

WHO Information

Org Flag: No	State Abbr: WI
Role Desc: Responsible Party	Postal Code: 53186
Full Name: PERSONAL INFORMATION WITHHELD	Composite Address: WAUKESHA, WI 53186
Address 1: W229 N2494 CTH F	Country Name: UNITED STATES
Address 2:	Email: brian@ohmholdings.com
City: WAUKESHA	

Org Flag: No	State Abbr: WI
Role Desc: Project Manager	Postal Code: 53212
Full Name: JOHN HNAT	Composite Address: MILWAUKEE, WI 53212
Address 1: 2300 N ML KING, JR DRIVE	Country Name: UNITED STATES
Address 2:	Email: john.hnat@wisconsin.gov
City: MILWAUKEE	

Org Flag: Yes	State Abbr: IN
Role Desc: Consultant	Postal Code: 46204
Full Name: ENVIROFORENSICS	Composite Address: INDIANAPOLIS, IN 46204
Address 1: 602 N CAPITAL AVE	Country Name: UNITED STATES
Address 2: STE 210	Email: NA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
---------	-------------------	-----------	------------------	----------------	------	----

City: INDIANAPOLIS

Facility Owner Information

Name: BRIAN CASS **Zip:** 53186
City: WAUKESHA **End Date:**
State: WI **Start Date:** 12/01/1988
Street: W224 N2494 HWY F

Name: CHARLES CASS **Zip:** 53217
City: MILWAUKEE **End Date:**
State: WI **Start Date:**
Street: 285 E HAMPTON AVE

1	5 of 9	NNE	0.02 / 95.51	641.95 / -1	ONE HOUR MARTINIZING 285 E HAMPTON AVE MILWAUKEE WI 53217-5803	FINDS/FRS
-------------------	--------	------------	---------------------	--------------------	---	------------------

Registry ID: 110005455934
FIPS Code: 55079
Program Acronyms: RCRAINFO, WI-ESR
HUC Code: 04040003
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 01-MAR-2000 00:00:00
Update Date: 27-JAN-2012 04:20:16
Interest Types: CESQG, STATE MASTER, UNSPECIFIED UNIVERSE
SIC Codes: 7216, 9721
SIC Code Descriptions: DRYCLEANING PLANTS, EXCEPT RUG CLEANING, INTERNATIONAL AFFAIRS
NAICS Codes: 812300, 812320
NAICS Code Descriptions: DRYCLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED).
Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No.: 04
Census Block Code: 550790044001007
EPA Region Code: 05
County Name: MILWAUKEE
US/Mexico Border Ind:
Latitude: 43.104069
Longitude: -87.913063
Reference Point: ENTRANCE POINT OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 50
Datum: NAD83
Source:
Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110005455934

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<u>1</u>	6 of 9	NNE	0.02 / 95.51	641.95 / -1	ONE HOUR MARTINIZING 285 E HAMPTON AVE MILWAUKEE WI 53217	LUST

Site ID:	1186800	County Code:	41
BRRTS No:		County Name:	MILWAUKEE
Database Source:	BRRTS Bulk data download; BRRTS Web List Search	Latitude:	43.10373020
Region:	SOUTHEAST	Longitude:	-87.90736030

Facility Activity Information

Detail Seq No:	29351	Risk Code:	HIGH
Act Code:	340	Acres:	.2
Activity Type:	LUST	Acres 100:	Yes
Status CD:	C	Juris:	DNR RR
Status:	CLOSED	NPL Flag:	No
Dcom No:	53217580385	DCOM DB Track Flag:	No
Comm Occurrence ID:	2800	PECFA Eligible Flag:	Yes
EPA CERCLIS ID:		AST Flag:	No
FID:	241176650	Drycleaner Flag:	No
Activity Name:	ONE HOUR MARTINIZING	Co Contam Flag:	Yes
Activity No:	0341002225	PLSS:	NE 1/4 of the NE 1/4 of Sec 05, T07N, R22E
Activity Display No:	03-41-002225	Geo Located Flag:	Yes
Start Date:	1992-03-16	Gis Registry Flag:	No
End Date:	2017-03-01	GIS Area Point Flag:	P
Last Action:	2017-05-10	Latitude:	43.10373020
Activity Detail Address:		Longitude:	-87.90736030
Activity Comments:			

Action Information

Action Date:	01/24/1997
Action Code:	43
Action Name:	Status Report Received/4
Action Desc:	Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comment:	
Action Date:	12/12/1996
Action Code:	43
Action Name:	Status Report Received/3
Action Desc:	Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comment:	
Action Date:	07/28/2004
Action Code:	50
Action Name:	GIS Registry Site
Action Desc:	Site conditions merit placement on GIS registry.
Action Comment:	AUTOPOPULATED FROM 700/710 ACTION ENTRY ON 20-OCT-05

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Action Date:		08/08/1997				
Action Code:		43				
Action Name:		Status Report Received/7				
Action Desc:		Date updates on progress are received. Can be 30, 60, 90 days or other interval.				
Action Comment:						
Action Date:		12/01/1997				
Action Code:		99				
Action Name:		Miscellaneous/2				
Action Desc:		Miscellaneous Action - See Action Comments				
Action Comment:		MEETING SUMMARY				
Action Date:		06/20/1997				
Action Code:		43				
Action Name:		Status Report Received/5				
Action Desc:		Date updates on progress are received. Can be 30, 60, 90 days or other interval.				
Action Comment:						
Action Date:		03/28/1997				
Action Code:		45				
Action Name:		Form 4 Approved				
Action Desc:		[OBSOLETE] Date the DNR signs the Form 4, PECFA request for reimbursement for actions taken in accordance with s101.143.				
Action Comment:						
Action Date:		08/20/1996				
Action Code:		43				
Action Name:		Status Report Received/2				
Action Desc:		Date updates on progress are received. Can be 30, 60, 90 days or other interval.				
Action Comment:						
Action Date:		07/28/2004				
Action Code:		700				
Action Name:		Database Fee Paid for Groundwater				
Action Desc:		Date Fee received for Closed Remediation Groundwater Site Registry.				
Action Comment:		REC'D CK# 028905 \$250.00				
Action Date:		03/01/2017				
Action Code:		334				
Action Name:		Monitoring Well Transferred to Another Site				
Action Desc:		Date DNR approves and/or is notified that a MW(s) at a site will not be abandoned at the time of closure or GIS Registry because the responsibility for abandoning the MW(s) has been transferred to another site, WI DNR program or agency.				
Action Comment:		W13, MW3, MW2 TRANSFERRED TO 02-41-543260				
Action Date:		09/07/2011				
Action Code:		130				
Action Name:		DNR Regulatory Reminder Sent				
Action Desc:		Date DNR sent written notification to Responsible Parties and/or other interested parties reminding them of a regulatory obligation.				
Action Comment:		Vapor Intrusion (VI) Assessment Notification Ltr Sent				

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
Action Date:		11/10/1997				
Action Code:		43				
Action Name:		Status Report Received/10				
Action Desc:		Date updates on progress are received. Can be 30, 60, 90 days or other interval.				
Action Comment:						
Action Date:		06/24/2016				
Action Code:		504				
Action Name:		PECFA Cost Request Received				
Action Desc:		Date DNR received a request for pre-approval of a scope of work and associated costs under the Petroleum Environmental Cleanup Fund Award (PECFA).				
Action Comment:		REQUEST FOR CLOSURE COSTS				
Action Date:		11/03/1998				
Action Code:		90				
Action Name:		Start FIFO Review				
Action Desc:		Southeast Region FIFO (First in, First out) review start. Used to track submittals in SER. (SER code).				
Action Comment:		GK.5/1/98 REQUEST OFF-SITE DETERMINATION/CLOSURE 5/13/98				
Action Date:		06/08/2005				
Action Code:		84				
Action Name:		Conditional Closure				
Action Desc:		Date conditional closure approval letter is sent - the site will not be formally closed until receipt of documentation of abandonment of wells, disposal of soil, etc.				
Action Comment:		NEED DEED RESTRICTION AND CAP MAINTENANCE PLAN, WELLS ARE NOT BE ABANDONED				
Action Date:		03/01/2017				
Action Code:		222				
Action Name:		Continuing Obligation - Maintain Cap Over Contaminated Area				
Action Desc:		Closure or ongoing cleanup was approved with the requirement to maintain a cap or cover to protect against exposure to contaminated soil (direct contact) or to reduce the movement of residual contamination in soil or groundwater.				
Action Comment:						
Action Date:		04/13/2005				
Action Code:		80				
Action Name:		Closure Not Approved/2				
Action Desc:		Date closure not approved letter is sent.				
Action Comment:						
Action Date:		08/14/1996				
Action Code:		43				
Action Name:		Status Report Received				
Action Desc:		Date updates on progress are received. Can be 30, 60, 90 days or other interval.				
Action Comment:						
Action Date:		01/11/2017 9:29:33 AM				
Action Code:		195				
Action Name:		Semi-Annual/PECFA Cost Reporting Requirement Met /2				
Action Desc:		Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.				

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
Action Comment:		Period: 7/1/2016 - 12/31/2016				
Action Date:		09/02/2004				
Action Code:		90				
Action Name:		Start FIFO Review/2				
Action Desc:		Southeast Region FIFO (First in, First out) review start. Used to track submittals in SER. (SER code).				
Action Comment:		CLOSURE REVIEW-GIS PKT COMPLETE PICKED UP 9.22.04				
Action Date:		08/24/2015				
Action Code:		130				
Action Name:		DNR Regulatory Reminder Sent				
Action Desc:		Date DNR sent written notification to Responsible Parties and/or other interested parties reminding them of a regulatory obligation.				
Action Comment:		PECFA SUNSET LETTER				
Action Date:		03/01/2017				
Action Code:		232				
Action Name:		Continuing Obligation - Residual Soil Contamination				
Action Desc:		Closure or ongoing cleanup was approved with the requirement to record this site on the GIS Registry due to residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL).				
Action Comment:		*** AUTO POPULATED AT FINAL CLOSURE DUE TO 710 ACTION ***				
Action Date:		05/13/1998				
Action Code:		91				
Action Name:		End FIFO Review				
Action Desc:		Southeast Region FIFO (First in, First out) review end. Used to track submittals in SER. (SER code).				
Action Comment:		OFF-SITE DETERMINATION REQUEST DENIED. NEEDS ADD'L WORK				
Action Date:		02/21/1995				
Action Code:		99				
Action Name:		Miscellaneous				
Action Desc:		Miscellaneous Action - See Action Comments				
Action Comment:		RERANK TO HIGH OF 34.00				
Action Date:		04/13/2005				
Action Code:		91				
Action Name:		End FIFO Review/3				
Action Desc:		Southeast Region FIFO (First in, First out) review end. Used to track submittals in SER. (SER code).				
Action Comment:		ADD'L INF. NEEDED FOR CLOSURE REVIEW				
Action Date:		04/26/2005				
Action Code:		501				
Action Name:		PECFA Bidding				
Action Desc:		Responsible party notified that bidding to establish a PECFA reimbursement cost cap will be done. See comments for bid details.				
Action Comment:						
Action Date:		02/26/1997				
Action Code:		44				
Action Name:		Form 4 Received				
Action Desc:		[OBSOLETE] Date the Form 4, PECFA request for reimbursement is received.				

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
Action Comment:			FORMERLY ACTION 99 - FORM 4 RECD			
Action Date:			09/30/2004			
Action Code:			91			
Action Name:			End FIFO Review/2			
Action Desc:			Southeast Region FIFO (First in, First out) review end. Used to track submittals in SER. (SER code).			
Action Comment:			ADD INFO LTR SENT FOR CLOSURE DETERMINATION			
Action Date:			11/19/1992			
Action Code:			37			
Action Name:			SI Report Received (w/out Fee)			
Action Desc:			Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.			
Action Comment:			SI REPORT REC'V'D			
Action Date:			01/30/2001			
Action Code:			99			
Action Name:			Miscellaneous/4			
Action Desc:			Miscellaneous Action - See Action Comments			
Action Comment:			JH ADDITIONAL INFORMATION RECEIVED			
Action Date:			11/15/1994			
Action Code:			40			
Action Name:			Remedial Action Options Report Approved			
Action Desc:			Date the DNR approves the RAOR and RP is notified via written or verbal communication.			
Action Comment:			RA WORK PLAN APPV'D			
Action Date:			08/21/1996			
Action Code:			60			
Action Name:			Request for Further Work			
Action Desc:			[OBSOLETE] Used in lieu of notice to proceed. Need to take some other action or modified action from one being proposed. South Central Region code.			
Action Comment:						
Action Date:			03/02/2005			
Action Code:			90			
Action Name:			Start FIFO Review/3			
Action Desc:			Southeast Region FIFO (First in, First out) review start. Used to track submittals in SER. (SER code).			
Action Comment:			ADD INFO RECVD FOR REVIEW PICKED UP 3.10.05			
Action Date:			03/01/2017			
Action Code:			236			
Action Name:			Continuing Obligation - Residual GW Contamination			
Action Desc:			Closure or ongoing cleanup was approved with the requirement to record this site on the GIS Registry due to residual groundwater contamination in excess of ch. NR 140 groundwater enforcement standard			
Action Comment:			*** AUTO POPULATED AT FINAL CLOSURE DUE TO 700 ACTION ***			
Action Date:			07/16/2013			
Action Code:			99			
Action Name:			Miscellaneous/6			
Action Desc:			Miscellaneous Action - See Action Comments			
Action Comment:			PECFA TRANSFER NOTIFICATION LETTER SENT			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
Action Date:		06/28/2016				
Action Code:		505				
Action Name:		PECFA Cost Request Approved				
Action Desc:		Date DNR approved a request for pre-approval of a scope of work and associated costs under the Petroleum Environmental Cleanup Fund Award (PECFA).				
Action Comment:		PECFA COSTS THROUGH CLOURE APPROVED: \$3864.64				
Action Date:		08/27/1998				
Action Code:		99				
Action Name:		Miscellaneous/3				
Action Desc:		Miscellaneous Action - See Action Comments				
Action Comment:		MODS TO REMEDIAL SYSTEM				
Action Date:		04/07/1992				
Action Code:		2				
Action Name:		RP Letter Sent				
Action Desc:		Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.				
Action Comment:		RP LETTER				
Action Date:		05/20/2004				
Action Code:		43				
Action Name:		Status Report Received/11				
Action Desc:		Date updates on progress are received. Can be 30, 60, 90 days or other interval.				
Action Comment:		PREPARATION OF CLOSURE REQUEST LTR TO COMMERCE				
Action Date:		03/01/2017				
Action Code:		11				
Action Name:		Activity Closed				
Action Desc:		Date the Closure Letter or No Further Action letter is sent.				
Action Comment:						
Action Date:		11/07/2000				
Action Code:		80				
Action Name:		Closure Not Approved				
Action Desc:		Date closure not approved letter is sent.				
Action Comment:		JH SI-DE, PND. NAD, MIM, UC, ASR				
Action Date:		11/07/1994				
Action Code:		39				
Action Name:		Remedial Action Options Report received (w/out Fee)				
Action Desc:		Date DNR receives the RAOR (a workplan). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from the discharged hazardous substances and to restore the environment to the extent practicable.				
Action Comment:		RA WORK PLAN RECV'D				
Action Date:		03/01/2017				
Action Code:		56				
Action Name:		Continuing Obligation(s) Required - GIS Registry Site				
Action Desc:		Closure or ongoing cleanup was approved with one or more requirements: to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures. Site conditions merit placement on the GIS registry				

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
<i>Action Comment:</i>						
<i>Action Date:</i>			02/10/2017			
<i>Action Code:</i>			190			
<i>Action Name:</i>			Conditional Closure Requirements Met or Documentation Recvd			
<i>Action Desc:</i>			Date DNR receives documentation of abandonment of wells, disposal of soil, etc. as outlined in the conditional closure approval letter.			
<i>Action Comment:</i>						
<i>Action Date:</i>			07/15/1997			
<i>Action Code:</i>			43			
<i>Action Name:</i>			Status Report Received/6			
<i>Action Desc:</i>			Date updates on progress are received. Can be 30, 60, 90 days or other interval.			
<i>Action Comment:</i>						
<i>Action Date:</i>			05/11/2010 9:54:09 AM			
<i>Action Code:</i>			200			
<i>Action Name:</i>			Push Action Taken			
<i>Action Desc:</i>			Any action, either written or verbal, taken by DNR to get an inactive site moving again.			
<i>Action Comment:</i>			NO ACTION SINCE 2005 CERTIFIED LTR SENT			
<i>Action Date:</i>			08/14/2000			
<i>Action Code:</i>			79			
<i>Action Name:</i>			Closure Review Request Received with Fee			
<i>Action Desc:</i>			Date DNR Project Manager determined that the Case Closure - GIS Registry (Form 4400-202) submittal was administratively complete and a review can begin. Fees have been paid for the review.			
<i>Action Comment:</i>			JH			
<i>Action Date:</i>			10/08/1997			
<i>Action Code:</i>			43			
<i>Action Name:</i>			Status Report Received/9			
<i>Action Desc:</i>			Date updates on progress are received. Can be 30, 60, 90 days or other interval.			
<i>Action Comment:</i>						
<i>Action Date:</i>			09/10/2010 2:25:00 PM			
<i>Action Code:</i>			99			
<i>Action Name:</i>			Miscellaneous/6			
<i>Action Desc:</i>			Miscellaneous Action - See Action Comments			
<i>Action Comment:</i>			SEE 0241543260 FOR CURRENT STATUS, DERF IS REMAINING ISSUE FOR THE SITE			
<i>Action Date:</i>			05/10/2017			
<i>Action Code:</i>			100			
<i>Action Name:</i>			GIS Registry QAQC Completed			
<i>Action Desc:</i>			Date and status that this site had QAQC completed for GIS registry.			
<i>Action Comment:</i>			RS			
<i>Action Date:</i>			03/16/1992			
<i>Action Code:</i>			1			
<i>Action Name:</i>			Notification			
<i>Action Desc:</i>			Date the DNR is notified of the discovery of the contamination.			
<i>Action Comment:</i>						

Action Date: 08/19/1997
Action Code: 43
Action Name: Status Report Received/8
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comment:

Action Date: 03/01/2017
Action Code: 224
Action Name: Continuing Obligation - Structural Impediment to Cleanup
Action Desc: Closure or ongoing cleanup was approved with the requirement to conduct further investigation and cleanup as necessary following the removal of a structural impediment that impeded the original investigation.
Action Comment:

Action Date: 07/28/2004
Action Code: 710
Action Name: Database Fee Paid for Soil
Action Desc: Date Fee received for Closed Remediation Soil Site Registry.
Action Comment: REC'D CK# 028905 \$200.00

Action Date: 07/08/2016 12:50:10 PM
Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.
Action Comment: Period: 1/1/2016 - 6/30/2016

Impacts Information

Impact Seq No: 250941	Impact Code: 20
Impact Comment: Co-contamination	Potential Flag:
Impact Seq No: 583450	Impact Code: 10
Impact Comment: Direct Contact	Potential Flag:
Impact Seq No: 72779	Impact Code: 05
Impact Comment: Soil Contamination	Potential Flag:
Impact Seq No: 192486	Impact Code: 04
Impact Comment: Groundwater Contamination	Potential Flag:

Substances Information

Substance Desc: Gasoline - Unleaded and Leaded
Spill Released Amt:
Spill Released Unit Code:

Substance Desc: Petroleum - Unknown Type
Spill Released Amt:
Spill Released Unit Code:

Substance Desc: Engine Waste Oil
Spill Released Amt:
Spill Released Unit Code:

WHO Information

Org Flag:	No	State Abbr:	WI
Role Desc:	DNR File Contact	Postal Code:	53212
Full Name:	JENNIFER DORMAN	Composite Address:	MILWAUKEE, WI 53212
Address 1:	2300 N DR MARTIN LUTHER KING JR DR	Country Name:	UNITED STATES
Address 2:		Email:	jennifer.dorman@wisconsin.gov
City:	MILWAUKEE		

Org Flag:	No	State Abbr:	WI
Role Desc:	RP Contact/Agent	Postal Code:	53072
Full Name:	CHARLES CASS	Composite Address:	PEWAUKEE, WI 53072
Address 1:	N41 W27760 ISHNALA TRAILS	Country Name:	UNITED STATES
Address 2:		Email:	NA
City:	PEWAUKEE		

Org Flag:	Yes	State Abbr:	IN
Role Desc:	Consultant	Postal Code:	46204
Full Name:	ENVIROFORENSICS	Composite Address:	INDIANAPOLIS, IN 46204
Address 1:	602 N CAPITAL AVE	Country Name:	UNITED STATES
Address 2:	STE 210	Email:	NA
City:	INDIANAPOLIS		

Org Flag:	No	State Abbr:	WI
Role Desc:	Project Manager	Postal Code:	53212
Full Name:	JOHN HNAT	Composite Address:	MILWAUKEE, WI 53212
Address 1:	2300 N ML KING, JR DRIVE	Country Name:	UNITED STATES
Address 2:		Email:	john.hnat@wisconsin.gov
City:	MILWAUKEE		

Org Flag:	Yes	State Abbr:	WI
Role Desc:	Responsible Party	Postal Code:	53072
Full Name:	ONE HOUR MARTINIZING	Composite Address:	PEWAUKEE, WI 53072
Address 1:	N41 W27760 ISHNALA TRAILS	Country Name:	UNITED STATES
Address 2:		Email:	NA
City:	PEWAUKEE		

Facility Owner Information

Name:	CHARLES CASS	Zip:	53217
City:	MILWAUKEE	End Date:	
State:	WI	Start Date:	
Street:	285 E HAMPTON AVE		

Name:	BRIAN CASS	Zip:	53186
--------------	------------	-------------	-------

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
City:	WAUKESHA				End Date:	
State:	WI				Start Date:	12/01/1988
Street:	W224 N2494 HWY F					

1	7 of 9	NNE	0.02 / 95.51	641.95 / -1	ONE HOUR MARTINIZING 285 E HAMPTON AVE MILWAUKEE WI 53217	RCRA CESQG
-------------------	--------	-----	--------------	-------------	---	------------

EPA Handler ID: WID981794951
Gen Status Universe: Conditionally Exempt Small Quantity Generator
Contact Name: BRIAN CASS
Contact Address: W224 N2494 HWY F, , WAUKESHA, WI, 53186, US
Contact Phone No and Ext: 262-521-9710
Contact Email: BRIAN@OHMHOLDINGS.COM
Contact Country: US
EPA Region: 05
County Name: MILWAUKEE
Land Type: Private
Receive Date:

Violation/Evaluation Summary

Note: NO RECORDS: As of May 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

1	8 of 9	NNE	0.02 / 95.51	641.95 / -1	ONE HOUR MARTINIZING 285 E HAMPTON AVE MILWAUKEE WI 53217	RCRA NON GEN
-------------------	--------	-----	--------------	-------------	---	-----------------

EPA Handler ID: WID981197445
Gen Status Universe: No Report
Contact Name:
Contact Address:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
---------	-------------------	-----------	------------------	----------------	------	----

Contact Phone No and Ext:

Contact Email:

Contact Country:

EPA Region: 05

County Name: MILWAUKEE

Land Type:

Receive Date:

Violation/Evaluation Summary

Note: NO RECORDS: As of May 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No

Mixed Waste Generator: No

Transporter Activity: No

Transfer Facility: No

Onsite Burner Exemption: No

Furnace Exemption: No

Underground Injection Activity: No

Commercial TSD: No

Used Oil Transporter: No

Used Oil Transfer Facility: No

Used Oil Processor: No

Used Oil Refiner: No

Used Oil Burner: No

Used Oil Market Burner: No

Used Oil Spec Marketer: No

1	9 of 9	NNE	0.02 / 95.51	641.95 / -1	ONE HOUR MARTINIZING 285 E Hampton Ave Milwaukee WI 53217	UST
-------------------	--------	-----	--------------	-------------	---	-----

License No: 647569
Facility Ref No: 647569|678250
Fire Dept ID: 4020
License Type: Registration
License: Storage Tank Registration
Expiration Date:
County Name: Milwaukee County
Municipality Name:

Tank Equipment Details

Licensee: Brian C Cass	Spill Protection: Not Installed
Tank ID: 304007	Overfill Protect: Not Installed
Tank Ref No: 304007 402005739	Date of Lining:
Equipment Wang ID: 402005739	Lining Inspect Dt:

Tank Type:	Underground Storage Tank				CAS No:	
Tank Status:	Closed/Removed				Pipe Type:	
Tank Contents:	Leaded Gasoline				Pipe Status:	
Capacity:	6000.00				Pipe Wall Type:	
Install Date:					Pipe UST Manifold:	
Construct Material:	Bare Steel				Pipe System Type:	
Wall Size:					Pipe Flex Connector:	
Federal Regulated:	Yes				Pipe Leak Detect:	
Marketer:	No				Latest Test Name:	
Tank Occupancy:	Other				Latest Test Date:	
Leak Detection:	Unknown				Latest Test Exp Date:	
Leak Test Method:						
Corrosion Protection Type:						
Overfill Protection Type:	Not Installed					
Containment Sump Installed:						
Dispenser Sump Installed:	No					
Pipe Related Tank ID:						
Pipe Catastroph Leak Detect:						
Pipe Aboveground Piping:	No					
Pipe Underground Piping:	No					
Pipe Construction Material:						
Pipe Leak Test Method:						
Pipe Corrosion Protection:						

Tank Equipment Details

Licensee:	Brian C Cass				Spill Protection:	Not Installed
Tank ID:	305820				Overfill Protect:	Not Installed
Tank Ref No:	305820 402007640				Date of Lining:	
Equipment Wang ID:	402007640				Lining Inspect Dt:	
Tank Type:	Underground Storage Tank				CAS No:	
Tank Status:	Closed/Removed				Pipe Type:	
Tank Contents:	Fuel Oil				Pipe Status:	
Capacity:	550.00				Pipe Wall Type:	
Install Date:					Pipe UST Manifold:	
Construct Material:	Bare Steel				Pipe System Type:	
Wall Size:					Pipe Flex Connector:	
Federal Regulated:	No				Pipe Leak Detect:	
Marketer:	No				Latest Test Name:	
Tank Occupancy:	Mercantile/Commercial				Latest Test Date:	
Leak Detection:	Unknown				Latest Test Exp Date:	
Leak Test Method:						
Corrosion Protection Type:						
Overfill Protection Type:	Not Installed					
Containment Sump Installed:						
Dispenser Sump Installed:	No					
Pipe Related Tank ID:						
Pipe Catastroph Leak Detect:						
Pipe Aboveground Piping:	No					
Pipe Underground Piping:	No					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
----------------	--------------------------	------------------	-------------------------	-----------------------	-------------	-----------

Pipe Construction Material:

Pipe Leak Test Method:

Pipe Corrosion Protection:

Tank Equipment Details

Licensee:	Brian C Cass	Spill Protection:	Not Installed
Tank ID:	304010	Overfill Protect:	Not Installed
Tank Ref No:	304010 402005742	Date of Lining:	
Equipment Wang ID:	402005742	Lining Inspect Dt:	
Tank Type:	Underground Storage Tank	CAS No:	
Tank Status:	Closed/Removed	Pipe Type:	
Tank Contents:	Fuel Oil	Pipe Status:	
Capacity:	300.00	Pipe Wall Type:	
Install Date:		Pipe UST Manifold:	
Construct Material:	Bare Steel	Pipe System Type:	
Wall Size:		Pipe Flex Connector:	
Federal Regulated:	No	Pipe Leak Detect:	
Marketer:	No	Latest Test Name:	
Tank Occupancy:	Other	Latest Test Date:	
Leak Detection:	Unknown	Latest Test Exp Date:	
Leak Test Method:			
Corrosion Protection Type:			
Overfill Protection Type:	Not Installed		
Containment Sump Installed:			
Dispenser Sump Installed:	No		
Pipe Related Tank ID:			
Pipe Catastroph Leak Detect:			
Pipe Aboveground Piping:	No		
Pipe Underground Piping:	No		
Pipe Construction Material:			
Pipe Leak Test Method:			
Pipe Corrosion Protection:			

Tank Equipment Details

Licensee:	Brian C Cass	Spill Protection:	Not Installed
Tank ID:	304011	Overfill Protect:	Not Installed
Tank Ref No:	304011 402005743	Date of Lining:	
Equipment Wang ID:	402005743	Lining Inspect Dt:	
Tank Type:	Underground Storage Tank	CAS No:	
Tank Status:	Closed/Removed	Pipe Type:	
Tank Contents:	Waste/Used Motor Oil	Pipe Status:	
Capacity:	550.00	Pipe Wall Type:	
Install Date:		Pipe UST Manifold:	
Construct Material:	Bare Steel	Pipe System Type:	
Wall Size:		Pipe Flex Connector:	
Federal Regulated:	Yes	Pipe Leak Detect:	
Marketer:	No	Latest Test Name:	
Tank Occupancy:	Other	Latest Test Date:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
---------	-------------------	-----------	------------------	----------------	------	----

Leak Detection: Unknown **Latest Test Exp Date:**
Leak Test Method:
Corrosion Protection Type:
Overfill Protection Type: Not Installed
Containment Sump Installed:
Dispenser Sump Installed: No
Pipe Related Tank ID:
Pipe Catastroph Leak Detect:
Pipe Aboveground Piping: No
Pipe Underground Piping: No
Pipe Construction Material:
Pipe Leak Test Method:
Pipe Corrosion Protection:

Tank Equipment Details

Licensee: Brian C Cass	Spill Protection: Not Installed
Tank ID: 304009	Overfill Protect: Not Installed
Tank Ref No: 304009 402005741	Date of Lining:
Equipment Wang ID: 402005741	Lining Inspect Dt:
Tank Type: Underground Storage Tank	CAS No:
Tank Status: Closed/Removed	Pipe Type:
Tank Contents: Fuel Oil	Pipe Status:
Capacity: 300.00	Pipe Wall Type:
Install Date:	Pipe UST Manifold:
Construct Material: Bare Steel	Pipe System Type:
Wall Size:	Pipe Flex Connector:
Federal Regulated: No	Pipe Leak Detect:
Marketer: No	Latest Test Name:
Tank Occupancy: Other	Latest Test Date:
Leak Detection: Unknown	Latest Test Exp Date:
Leak Test Method:	
Corrosion Protection Type:	
Overfill Protection Type: Not Installed	
Containment Sump Installed:	
Dispenser Sump Installed: No	
Pipe Related Tank ID:	
Pipe Catastroph Leak Detect:	
Pipe Aboveground Piping: No	
Pipe Underground Piping: No	
Pipe Construction Material:	
Pipe Leak Test Method:	
Pipe Corrosion Protection:	

Tank Equipment Details

Licensee: Brian C Cass	Spill Protection: Not Installed
Tank ID: 304008	Overfill Protect: Not Installed
Tank Ref No: 304008 402005740	Date of Lining:
Equipment Wang ID: 402005740	Lining Inspect Dt:

Tank Type:	Underground Storage Tank			CAS No:	
Tank Status:	Closed/Removed			Pipe Type:	
Tank Contents:	Leaded Gasoline			Pipe Status:	
Capacity:	6000.00			Pipe Wall Type:	
Install Date:				Pipe UST Manifold:	
Construct Material:	Bare Steel			Pipe System Type:	
Wall Size:				Pipe Flex Connector:	
Federal Regulated:	Yes			Pipe Leak Detect:	
Marketer:	No			Latest Test Name:	
Tank Occupancy:	Other			Latest Test Date:	
Leak Detection:	Unknown			Latest Test Exp Date:	
Leak Test Method:					
Corrosion Protection Type:					
Overfill Protection Type:	Not Installed				
Containment Sump Installed:					
Dispenser Sump Installed:	No				
Pipe Related Tank ID:					
Pipe Catastroph Leak Detect:					
Pipe Aboveground Piping:	No				
Pipe Underground Piping:	No				
Pipe Construction Material:					
Pipe Leak Test Method:					
Pipe Corrosion Protection:					

Tank Equipment Details

Licensee:	Brian C Cass			Spill Protection:	Not Installed
Tank ID:	304006			Overfill Protect:	Not Installed
Tank Ref No:	304006 402005738			Date of Lining:	
Equipment Wang ID:	402005738			Lining Inspect Dt:	
Tank Type:	Underground Storage Tank			CAS No:	
Tank Status:	Closed/Removed			Pipe Type:	
Tank Contents:	Leaded Gasoline			Pipe Status:	
Capacity:	4000.00			Pipe Wall Type:	
Install Date:				Pipe UST Manifold:	
Construct Material:	Bare Steel			Pipe System Type:	
Wall Size:				Pipe Flex Connector:	
Federal Regulated:	Yes			Pipe Leak Detect:	
Marketer:	No			Latest Test Name:	
Tank Occupancy:	Other			Latest Test Date:	
Leak Detection:	Unknown			Latest Test Exp Date:	
Leak Test Method:					
Corrosion Protection Type:					
Overfill Protection Type:	Not Installed				
Containment Sump Installed:					
Dispenser Sump Installed:	No				
Pipe Related Tank ID:					
Pipe Catastroph Leak Detect:					
Pipe Aboveground Piping:	No				
Pipe Underground Piping:	No				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
---------	-------------------	-----------	------------------	----------------	------	----

Pipe Construction Material:
 Pipe Leak Test Method:
 Pipe Corrosion Protection:

Tank Equipment Details

Licensee:	Brian C Cass	Spill Protection:	Not Installed
Tank ID:	304005	Overfill Protect:	Not Installed
Tank Ref No:	304005 402005737	Date of Lining:	
Equipment Wang ID:	402005737	Lining Inspect Dt:	
Tank Type:	Underground Storage Tank	CAS No:	
Tank Status:	Closed/Removed	Pipe Type:	
Tank Contents:	Leaded Gasoline	Pipe Status:	
Capacity:	4000.00	Pipe Wall Type:	
Install Date:		Pipe UST Manifold:	
Construct Material:	Bare Steel	Pipe System Type:	
Wall Size:		Pipe Flex Connector:	
Federal Regulated:	Yes	Pipe Leak Detect:	
Marketer:	No	Latest Test Name:	
Tank Occupancy:	Other	Latest Test Date:	
Leak Detection:	Unknown	Latest Test Exp Date:	
Leak Test Method:			
Corrosion Protection Type:			
Overfill Protection Type:	Not Installed		
Containment Sump Installed:			
Dispenser Sump Installed:	No		
Pipe Related Tank ID:			
Pipe Catastroph Leak Detect:			
Pipe Aboveground Piping:	No		
Pipe Underground Piping:	No		
Pipe Construction Material:			
Pipe Leak Test Method:			
Pipe Corrosion Protection:			

2	1 of 2	N	0.02 / 113.25	642.00 / -1	CVS PHARMACY #8768 240 E HAMPTON WHITEFISH BAY WI 53217-5850	FINDS/FRS
-------------------	--------	---	---------------	-------------	--	---------------------------

Registry ID: 110017287023
FIPS Code: 55079
Program Acronyms: BR, RCRAINFO, WI-ESR
HUC Code: 04040003
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 12-MAR-2004 01:51:10
Update Date: 28-MAR-2014 20:32:05
Interest Types: HAZARDOUS WASTE BIENNIAL REPORTER, LQG, STATE MASTER
SIC Codes:
SIC Code Descriptions:
NAICS Codes:

NAICS Code Descriptions:

Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No.: 04
Census Block Code: 550790703005009
EPA Region Code: 05
County Name: MILWAUKEE
US/Mexico Border Ind:
Latitude: 43.10404
Longitude: -87.90802
Reference Point: CENTER OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 30
Datum: NAD83
Source:
Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110017287023

2	2 of 2	N	0.02 / 113.25	642.00 / -1	CVS PHARMACY #8768 240 E HAMPTON RD WHITEFISH BAY WI 53217	RCRA LQG
-------------------	--------	---	---------------	-------------	--	----------

EPA Handler ID: WIR000116814
Gen Status Universe: Large Quantity Generator
Contact Name: NICOLE WILKINSON
Contact Address: ONE CVS DRIVE MAIL CODE 2340, , WOONSOCKET, RI, 02895, US
Contact Phone No and Ext: 401-770-7132
Contact Email: NICOLE.WILKINSON@CVSHEALTH.COM
Contact Country: US
EPA Region: 05
County Name: MILWAUKEE
Land Type: Private
Receive Date: 20160229

Violation/Evaluation Summary

Note: NO RECORDS: As of May 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Commercial TSD:		No				
Used Oil Transporter:		No				
Used Oil Transfer Facility:		No				
Used Oil Processor:		No				
Used Oil Refiner:		No				
Used Oil Burner:		No				
Used Oil Market Burner:		No				
Used Oil Spec Marketer:		No				

3 1 of 1 ENE 0.03 / 161.06 642.42 / 0 E HAMPTON RD & N SANTA MONICA BLVD E HAMPTON RD & N SANTA MONICA WHITEFISH BAY WI **SPILLS**

Site ID: 50025000
 BRRTS No:
 County Code: 41
 County: MILWAUKEE
 Region: SOUTHEAST
 Latitude:
 Longitude:

Facility Activity Information

Detail Seq No:	554933	Acres:	UNKNOWN
Act Code:	350	Acres 100:	Yes
Activity Type:	SPILL	Juris:	DNR RR
FID:	NONE	NPL Flag:	No
Activity Name:	MILWAUKEE CNTY TRANSIT SPILL	DCOM DB Track Flag:	No
Activity No:	0441554933	PECFA Eligible Flag:	No
Activity Display No:	04-41-554933	AST Flag:	No
Start Date:	2009-12-06	Drycleaner Flag:	No
End Date:	2010-02-23	Co-contam Flag:	No
Status Cd:	C	PLSS:	? 1/4 of the ? 1/4 of Sec 0, T?N, R??
Status:	CLOSED	Geo Located Flag:	No
Last Action:	2010-04-10	Gis Registry Flag:	No
DCOM No:	NONE	Gis Area Point Flag:	
Comm Occurrence ID:	NONE	Latitude:	
EPA CERCLIS ID:		Longitude:	
Risk Code:	N/A		
Activity Detail Address:	@ INTERSECTION		
Activity Comments:	*** AUTO-POPULATED FROM SPILL SERTS SYSTEM. SPILL ID: 20091206SE41-1 ***		

Action Information

Action Date: 12/06/2009 Action Name: Spill Incident Occurred
 Action Code: 1
 Action Desc: Date the Spill occurred or the date reported to DNR if actual date unknown.
 Action Comment:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
----------------	--------------------------	------------------	-------------------------	-----------------------	-------------	-----------

Action Date:	12/06/2009				Action Name:	Spill Reported to DNR
Action Code:	5					
Action Desc:	Date the DNR was notified of the Spill incident.					
Action Comment:						
Action Date:	02/23/2010				Action Name:	Spill Closed
Action Code:	11					
Action Desc:	No further action; RP is not required to conduct NR716 investigation.					
Action Comment:						
Action Date:	04/10/2010 10:10:22 PM				Action Name:	Spills QA/QC Completed
Action Code:	999					
Action Desc:	Date the QA/QC Review of this Spill Activity was completed.					
Action Comment:						

Impacts Information

Impact Seq No:	562942			Potential Flag:	No
Impact Code:	13			Impact Comment:	Concrete/Asphalt

Spill Details Information

Spill Seq No:	548782				
Spill File No:	20091206SE41-1				
Incident Time:	12/06/2009				
Reported Time:	12/06/2009				
Physical Char Code:					
Physical Char Desc:					
Physical Color:					
Physical Odor:					
Resource Damage Flag:	N				
DNR NOTIF Immediate Flag:	No				
DNR Investigator:	S FERGUSON				
Spill Cause:	PUNCTURE OF OIL PAN OF MILWAUKEE COUNTY TRANSIT BUS RESULTED IN RELEASE OF OIL ONTO ROADWAY.				
Spill Source Code:	25				
Spill Source Desc:	Roadway (Public Road/Highway/Street/Alley/ROW)				
Spill Source Comment:	OIL PAN PUNCTURE				
Resource Damage Comment:					
Spill Comment:	>				

Spiller Actions Information

Spiller Action Code:	04				
Spiller Action Desc:	Cleanup Method - Absorbent				
Spiller Action Comment:					

Substances Information

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
---------	-------------------	-----------	------------------	----------------	------	----

Substance Desc: Engine Waste Oil
Spill Released Amt: 26
Spill Released Unit Code: Qt

WHO Information

Org Flag:	Yes	State Abbr:	WI
Role Desc:	Responsible Party	Postal Code:	53205
Full Name:	MILWAUKEE COUNTY TRANSIT	Composite Address:	MILWAUKEE, WI 53205
Address 1:	1742 N 17TH ST	Country Name:	UNITED STATES
Address 2:		Email:	NA
City:	MILWAUKEE		
Org Flag:	No	State Abbr:	WI
Role Desc:	Project Manager	Postal Code:	53212
Full Name:	TREVOR NOBILE	Composite Address:	MILWAUKEE, WI 53212
Address 1:	2300 N DR MARTIN LUTHER KING DR	Country Name:	UNITED STATES
Address 2:		Email:	trevor.nobile@wisconsin.gov
City:	MILWAUKEE		

<u>4</u>	1 of 2	NW	0.04 / 201.84	641.49 / -1	BAY VILLAGE SUBDIVISION BLOCK 4 LOT 1 4801-4831 N ANITA AVE WHITEFISH BAY WI 53217	BROWNFIELDS
----------	--------	----	---------------	-------------	---	-------------

Site ID: 30635900
County Code: 41
County: MILWAUKEE
Region: SOUTHEAST
Latitude: 43.104441
Longitude: -87.908885

Facility Activity Information

Detail Seq No:	581191	Risk Code:	UNKNOWN
Act Code:	380	Acres:	UNKNOWN
Activity Type:	GENERAL PROPERTY	Acres 100:	Yes
Status CD:	G	Juris:	DNR RR
Status:	GEN PROP	NPL Flag:	No
Dcom No:	NONE	DCOM DB Track Flag:	No
Comm Occurrence ID:	NONE	PECFA Eligible Flag:	No
EPA CERCLIS ID:		AST Flag:	No
FID:	341295900	Drycleaner Flag:	No
Activity Name:	BAY VILLAGE SUBDIVISION BLOCK 4 LOT 1	Co Contam Flag:	No
Activity No:	0741581191	PLSS:	SE 1/4 of the SE 1/4 of Sec 32, T08N, R22E
Activity Display No:	07-41-581191	Geo Located Flag:	Yes
Start Date:	2018-03-29	GIS Registry Flag:	No
End Date:		GIS Area Point Flag:	A
Last Action:	2018-04-02	Latitude:	43.104441
Activity Detail Address:		Longitude:	-87.908885

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
---------	-------------------	-----------	------------------	----------------	------	----

Activity Comments:

Action Information

Action Date: 04/02/2018
Action Code: 684
Action Name: General Liability Clarification Letter Issued
Action Desc: Date RR issues the General Liability Clarification Letter.
Action Comment:

Action Date: 03/29/2018
Action Code: 1
Action Name: General Property Notification
Action Desc: Date DNR received an initial request for redevelopment assistance or general documentation regarding site conditions at property.
Action Comment:

WHO Information

Org Flag:	No	State Abbr:	WI
Role Desc:	DNR File Contact	Postal Code:	53212
Full Name:	JENNIFER DORMAN	Composite Address:	MILWAUKEE, WI 53212
Address 1:	2300 N DR MARTIN LUTHER KING JR DR	Country Name:	UNITED STATES
Address 2:		Email:	jennifer.dorman@wisconsin.gov
City:	MILWAUKEE		

4	2 of 2	NW	0.04 / 201.84	641.49 / -1	BAY VILLAGE SUBDIVISION BLOCK 4 LOT 1 4801-4831 N ANITA AVE WHITEFISH BAY WI 53217	BRRTS
-------------------	--------	----	---------------	-------------	---	-------

Site ID: 30635900
County Code: 41
County: MILWAUKEE
Region: SOUTHEAST
Latitude: 43.10446480
Longitude: -87.90888330

Facility Activity Information

Detail Seq No:	581190	Risk Code:	UNKNOWN
Act Code:	390	Acres:	UNKNOWN
Activity Type:	NO RR ACTION REQUIRED	Acres 100:	Yes
Status CD:	N	Juris:	DNR RR
Status:	NAR	NPL Flag:	No
Dcom No:	NONE	DCOM DB Track Flag:	No
Comm Occurrence ID:	NONE	PECFA Eligible Flag:	No
EPA CERCLIS ID:		AST Flag:	No
FID:	341295900	Drycleaner Flag:	No
Activity Name:	BAY VILLAGE SUBDIVISION BLOCK 4 LOT 1	Co Contam Flag:	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Activity No:	0941581190				PLSS: SE 1/4 of the SE 1/4 of Sec 32, T08N, R22E	
Activity Display No:	09-41-581190				Geo Located Flag: Yes	
Start Date:	2018-03-19				GIS Registry Flag: No	
End Date:	2018-04-02				GIS Area Point Flag: P	
Last Action:	2018-04-02				Latitude: 43.10446480	
Activity Detail Address:					Longitude: -87.90888330	
Activity Comments:						

Action Information

Action Date: 04/02/2018
Action Code: 801
Action Name: No Detect or Insignificant Contamination
Action Desc: No site investigation required. Laboratory results indicate no detect to low level contamination from a Phase II Environmental Site Assessment or similar report as well as UST/AST storage tank closures.

Action Comment:

Action Date: 03/19/2018
Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of potential contamination which was later found to be non-existent or below reportable quantity.

Action Comment:

WHO Information

Org Flag: No	State Abbr: WI
Role Desc: DNR File Contact	Postal Code: 53212
Full Name: JENNIFER DORMAN	Composite Address: MILWAUKEE, WI 53212
Address 1: 2300 N DR MARTIN LUTHER KING JR DR	Country Name: UNITED STATES
Address 2:	Email: jennifer.dorman@wisconsin.gov
City: MILWAUKEE	

5 1 of 4 SE 0.04 / 214.92 642.93 / 0 CLARK OIL STATION #562
4751 N Santa Monica Blvd
Whitefish Bay WI CRS

Facility I: 241574850	WTM91 X AM: 690285.9999
Detail Sequence No: 22232	WTM91 Y AM: 294414
Act Code: 340	Latitude: 43.1033214
Activity Detail No: 0341000450	Longitude: -87.907337
Start Date: 9/28/1989	Registry I: YES
End Date: 5/26/2010	PLSS Desc: NENE0507N22E

5 2 of 4 SE 0.04 / 214.92 642.93 / 0 CLARK OF MILWAUKEE INC
4751 N SANTA MONICA BLVD
MILWAUKEE WI 53211 DEL STORAGE TANK

Site ID: 63536	Fire Dept ID: 4020
Object Type: UST	Fire Dept Name: Milwaukee Bldg Insp

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Municipality Type:				County:		
Municipality Name:	MILWAUKEE			County Name:	MILWAUKEE	
Land Owner Type:	Private					
Original Source:	UST					
Record Date:	12-DEC-2016					

<u>5</u>	3 of 4	SE	0.04 / 214.92	642.93 / 0	CLARK OIL STATION #562 4751 N SANTA MONICA BLVD WHITEFISH BAY WI	LUST
Site ID:	3375200			County Code:	41	
BRRTS No:				County Name:	MILWAUKEE	
Database Source:	BRRTS Bulk data download; BRRTS Web List Search			Latitude:	43.10332140	
Region:	SOUTHEAST			Longitude:	-87.907337	

Facility Activity Information

Detail Seq No:	22232	Risk Code:	MEDIUM
Act Code:	340	Acres:	UNKNOWN
Activity Type:	LUST	Acres 100:	Yes
Status CD:	C	Juris:	DNR RR
Status:	CLOSED	NPL Flag:	No
Dcom No:	53211104351	DCOM DB Track Flag:	Yes
Comm Occurrence ID:	3754	PECFA Eligible Flag:	Yes
EPA CERCLIS ID:		AST Flag:	No
FID:	241574850	Drycleaner Flag:	No
Activity Name:	CLARK OIL STATION #562	Co Contam Flag:	No
Activity No:	0341000450	PLSS:	NE 1/4 of the NE 1/4 of Sec 05, T07N, R22E
Activity Display No:	03-41-000450	Geo Located Flag:	Yes
Start Date:	1989-09-28	Gis Registry Flag:	No
End Date:	2010-05-26	GIS Area Point Flag:	P
Last Action:	2013-07-02	Latitude:	43.10332140
Activity Detail Address:		Longitude:	-87.907337
Activity Comments:	***SITE WAS CLOSED UNDER THE JURISDICTION OF THE DEPT OF SAFETY AND PROFESSIONAL SERVICES (DSPS) OR DEPT OF COMMERCE - SITE TRANSFERRED BACK TO DNR JURISDICTION IN 2013***		

Action Information

Action Date:	03/12/2003
Action Code:	76
Action Name:	Activity Transferred to DSPS (formerly Commerce)
Action Desc:	Oversight of medium or low risk petroleum cleanup has been transferred to the WI Dept of Safety and Professional Services (DSPS). DSPS was part of the Dept of Commerce until 2011.
Action Comment:	
Action Date:	08/29/1995
Action Code:	40
Action Name:	Remedial Action Options Report Approved

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
Action Desc:					Date the DNR approves the RAOR and RP is notified via written or verbal communication.	
Action Comment:					RA WORK PLAN APPV'D	
Action Date:					09/17/2002	
Action Code:					79	
Action Name:					Closure Review Request Received with Fee	
Action Desc:					Date DNR Project Manager determined that the Case Closure - GIS Registry (Form 4400-202) submittal was administratively complete and a review can begin. Fees have been paid for the review.	
Action Comment:					REC'D CK#37131 \$750.00 - REC'D GIS PKT GIVEN TO MW 9/20/02 JH PICKED UP 10/11/02	
Action Date:					12/03/1999	
Action Code:					92	
Action Name:					O&M Report Received (w/out Fee)	
Action Desc:					Date the Operation & Maintenance Report is received. Form 4400-194.	
Action Comment:						
Action Date:					05/26/2010	
Action Code:					11	
Action Name:					Activity Closed	
Action Desc:					Date the Closure Letter or No Further Action letter is sent.	
Action Comment:					*** NR726 Closure from Commerce Data Interchange ***	
Action Date:					04/05/1995	
Action Code:					3	
Action Name:					Notice of Noncompliance (NON)	
Action Desc:					Date RP is sent a Notice of Noncompliance (NON) as a result of their failure or refusal to comply. Identifies the specific violation and requires a response within a given time period.	
Action Comment:					NTC OF NON COMPLIANCE	
Action Date:					05/26/2010	
Action Code:					56	
Action Name:					Continuing Obligation(s) Required - GIS Registry Site	
Action Desc:					Closure or ongoing cleanup was approved with one or more requirements: to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures. Site conditions merit placement on the GIS registry	
Action Comment:					AUTO-POPULATED AS REPLACEMENT FOR CODE 50	
Action Date:					04/20/1998	
Action Code:					43	
Action Name:					Status Report Received/5	
Action Desc:					Date updates on progress are received. Can be 30, 60, 90 days or other interval.	
Action Comment:						
Action Date:					07/08/1991	
Action Code:					37	
Action Name:					SI Report Received (w/out Fee)	
Action Desc:					Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.	
Action Comment:					SI REPORT REC'V'D	
Action Date:					10/21/2010 1:20:08 PM	
Action Code:					100	

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
Action Name:					GIS Registry QAQC Completed	
Action Desc:					Date and status that this site had QAQC completed for GIS registry.	
Action Comment:					AB	
Action Date:					10/07/2002	
Action Code:					90	
Action Name:					Start FIFO Review	
Action Desc:					Southeast Region FIFO (First in, First out) review start. Used to track submittals in SER. (SER code).	
Action Comment:					JH GIS PKT COMPLETE (MW)	
Action Date:					05/07/2003	
Action Code:					710	
Action Name:					Database Fee Paid for Soil	
Action Desc:					Date Fee received for Closed Remediation Soil Site Registry.	
Action Comment:					REC'D CK# 38684 \$200.00	
Action Date:					11/10/1992	
Action Code:					43	
Action Name:					Status Report Received	
Action Desc:					Date updates on progress are received. Can be 30, 60, 90 days or other interval.	
Action Comment:					QRTL/MTHLY STATUS RPT	
Action Date:					11/05/2002	
Action Code:					91	
Action Name:					End FIFO Review	
Action Desc:					Southeast Region FIFO (First in, First out) review end. Used to track submittals in SER. (SER code).	
Action Comment:					JH ADDITIONAL INFO REQUEST FOR CLOSURE DETERMINATION	
Action Date:					11/19/1992	
Action Code:					37	
Action Name:					SI Report Received (w/out Fee)/2	
Action Desc:					Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.	
Action Comment:					SI REPORT REC'V'D	
Action Date:					03/16/1995	
Action Code:					43	
Action Name:					Status Report Received/2	
Action Desc:					Date updates on progress are received. Can be 30, 60, 90 days or other interval.	
Action Comment:					QRTL/MTHLY STATUS RPT	
Action Date:					09/18/2002	
Action Code:					50	
Action Name:					GIS Registry Site	
Action Desc:					Site conditions merit placement on GIS registry.	
Action Comment:					Autopopulated from 700/710 entry	
Action Date:					07/02/2013	
Action Code:					89	
Action Name:					DSPS (formerly Commerce) Transferred Back to DNR	
Action Desc:					Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR.	

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
Action Comment:					PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET	
Action Date:				06/12/2003		
Action Code:				84		
Action Name:				Conditional Closure		
Action Desc:				Date conditional closure approval letter is sent - the site will not be formally closed until receipt of documentation of abandonment of wells, disposal of soil, etc.		
Action Comment:				*** Conditional Closure from Commerce Data Interchange ***		
Action Date:				09/18/2002		
Action Code:				700		
Action Name:				Database Fee Paid for Groundwater		
Action Desc:				Date Fee received for Closed Remediation Groundwater Site Registry.		
Action Comment:				REC'D CK # 37132 \$250.00		
Action Date:				08/02/1995		
Action Code:				39		
Action Name:				Remedial Action Options Report received (w/out Fee)		
Action Desc:				Date DNR receives the RAOR (a workplan). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from the discharged hazardous substances and to restore the environment to the extent practicable.		
Action Comment:				RA WORK PLAN REC'D		
Action Date:				08/14/2000		
Action Code:				43		
Action Name:				Status Report Received/7		
Action Desc:				Date updates on progress are received. Can be 30, 60, 90 days or other interval.		
Action Comment:				SOIL & GW REMEDIATION SYSTEM		
Action Date:				09/28/1989		
Action Code:				1		
Action Name:				Notification		
Action Desc:				Date the DNR is notified of the discovery of the contamination.		
Action Comment:						
Action Date:				05/30/1997		
Action Code:				80		
Action Name:				Closure Not Approved		
Action Desc:				Date closure not approved letter is sent.		
Action Comment:						
Action Date:				08/18/1992		
Action Code:				36		
Action Name:				Site Investigation Workplan Approved		
Action Desc:				Date the Site Investigation Workplan is approved verbally or in writing by DNR staff. For state-lead sites and sites the RR Supervisor has designated to be "project-managed."		
Action Comment:				SI WORK PLAN APP'D		
Action Date:				05/24/1994		
Action Code:				37		
Action Name:				SI Report Received (w/out Fee)/3		
Action Desc:				Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Action Comment:					*** SITE INVESTIGATION DETERMINED BY DSPS TO BE COMPLETE - FROM DSPS DATA INTERCHANGE ***	
Action Date:			12/03/1999			
Action Code:			43			
Action Name:			Status Report Received/6			
Action Desc:			Date updates on progress are received. Can be 30, 60, 90 days or other interval.			
Action Comment:						
Action Date:			02/04/1997			
Action Code:			99			
Action Name:			Miscellaneous/2			
Action Desc:			Miscellaneous Action - See Action Comments			
Action Comment:			REC'D LETTER ABOUT REMEDIAL SYSTEMS OPERATION			
Action Date:			05/26/2010			
Action Code:			236			
Action Name:			Continuing Obligation - Residual GW Contamination			
Action Desc:			Closure or ongoing cleanup was approved with the requirement to record this site on the GIS Registry due to residual groundwater contamination in excess of ch. NR 140 groundwater enforcement standard			
Action Comment:			*** AUTO POPULATED AT FINAL CLOSURE DUE TO 700 ACTION ***			
Action Date:			09/05/1995			
Action Code:			99			
Action Name:			Miscellaneous			
Action Desc:			Miscellaneous Action - See Action Comments			
Action Comment:			RE-SCORE TO 38.00			
Action Date:			05/07/1997			
Action Code:			43			
Action Name:			Status Report Received/3			
Action Desc:			Date updates on progress are received. Can be 30, 60, 90 days or other interval.			
Action Comment:						
Action Date:			07/25/1997			
Action Code:			43			
Action Name:			Status Report Received/4			
Action Desc:			Date updates on progress are received. Can be 30, 60, 90 days or other interval.			
Action Comment:						
Action Date:			05/26/2010			
Action Code:			232			
Action Name:			Continuing Obligation - Residual Soil Contamination			
Action Desc:			Closure or ongoing cleanup was approved with the requirement to record this site on the GIS Registry due to residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL).			
Action Comment:			*** AUTO POPULATED AT FINAL CLOSURE DUE TO 710 ACTION ***			

Impacts Information

Impact Seq No: 64704 **Impact Code:** 05

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
---------	-------------------	-----------	------------------	----------------	------	----

Impact Comment: Soil Contamination **Potential Flag:**

Impact Seq No: 192063 **Impact Code:** 04

Impact Comment: Groundwater Contamination **Potential Flag:**

Substances Information

Substance Desc: Gasoline - Unleaded and Leaded

Spill Released Amt:

Spill Released Unit Code:

WHO Information

Org Flag:	Yes	State Abbr:	MI
Role Desc:	Responsible Party	Postal Code:	48104
Full Name:	CLARK RETAIL ENTERPRISES	Composite Address:	ANN ARBOR, MI 48104
Address 1:	ATTN ERIC LARSON	Country Name:	UNITED STATES
Address 2:	601 S MAIN ST	Email:	eric.larson@clarkretail.com
City:	ANN ARBOR		

Org Flag:	No	State Abbr:	WI
Role Desc:	DNR File Contact	Postal Code:	53212
Full Name:	JENNIFER DORMAN	Composite Address:	MILWAUKEE, WI 53212
Address 1:	2300 N DR MARTIN LUTHER KING JR DR	Country Name:	UNITED STATES
Address 2:		Email:	jennifer.dorman@wisconsin.gov
City:	MILWAUKEE		

Org Flag:	Yes	State Abbr:	WI
Role Desc:	Consultant	Postal Code:	53233
Full Name:	THE SIGMA GROUP INC	Composite Address:	MILWAUKEE, WI 53233
Address 1:	1300 W CANAL ST	Country Name:	UNITED STATES
Address 2:		Email:	NA
City:	MILWAUKEE		

5	4 of 4	SE	0.04 / 214.92	642.93 / 0	Clark Of Milwaukee Inc 4751 N Santa Monica Blvd Milwaukee WI 53211	UST
-------------------	--------	----	---------------	------------	--	-----

License No: 416189
Facility Ref No: 63536|63536
Fire Dept ID: 4020
License Type: Permit
License: Underground Storage Tank Permit(s) to Operate
Expiration Date: 4/28/2019 12:00:00 AM
County Name: Milwaukee County
Municipality Name: City of Milwaukee

Tank Equipment Details

Licensee: Clark Of Milwaukee Inc **Spill Protection:** Not Installed

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Tank ID:	57460				Overfill Protect:	Not Installed
Tank Ref No:	302809 402004399				Date of Lining:	
Equipment Wang ID:	402004399				Lining Inspect Dt:	
Tank Type:	Underground Storage Tank				CAS No:	
Tank Status:	Closed/Removed				Pipe Type:	Piping (Storage Tank)
Tank Contents:	Unleaded Gasoline				Pipe Status:	Closed/Removed
Capacity:	6000.00				Pipe Wall Type:	Single
Install Date:					Pipe UST Manifold:	No
Construct Material:	Coated Steel				Pipe System Type:	
Wall Size:	Single				Pipe Flex Connector:	N
Federal Regulated:	Yes				Pipe Leak Detect:	Unknown
Marketer:	Yes				Latest Test Name:	
Tank Occupancy:	Retail Fuel Sales				Latest Test Date:	
Leak Detection:	Unknown				Latest Test Exp Date:	
Leak Test Method:						
Corrosion Protection Type:						
Overfill Protection Type:	Not Installed					
Containment Sump Installed:	No					
Dispenser Sump Installed:	No					
Pipe Related Tank ID:	146419					
Pipe Catastroph Leak Detect:						
Pipe Aboveground Piping:	No					
Pipe Underground Piping:	Yes					
Pipe Construction Material:	Unknown					
Pipe Leak Test Method:						
Pipe Corrosion Protection:						

Tank Equipment Details

Licensee:	Clark Of Milwaukee Inc	Spill Protection:	Installed
Tank ID:	113159	Overfill Protect:	Installed
Tank Ref No:	303684 402005374	Date of Lining:	
Equipment Wang ID:	402005374	Lining Inspect Dt:	
Tank Type:	Underground Storage Tank	CAS No:	
Tank Status:	In Use	Pipe Type:	Piping (Storage Tank)
Tank Contents:	Unleaded Gasoline	Pipe Status:	In Use
Capacity:	12000.00	Pipe Wall Type:	Single
Install Date:	4/1/1990 1:00:00 AM	Pipe UST Manifold:	No
Construct Material:	Coated Steel	Pipe System Type:	Pressurized
Wall Size:	Single	Pipe Flex Connector:	N
Federal Regulated:	Yes	Pipe Leak Detect:	Electronic .2 Monthly
Marketer:	Yes	Latest Test Name:	
Tank Occupancy:	Retail Fuel Sales	Latest Test Date:	
Leak Detection:	Automatic Tank Gauge	Latest Test Exp Date:	
Leak Test Method:	Monthly Monitoring		
Corrosion Protection Type:	Sacrificial Anodes		
Overfill Protection Type:	90alrm95auto		
Containment Sump Installed:	No		
Dispenser Sump Installed:	No		
Pipe Related Tank ID:	212518		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Pipe Catastroph Leak Detect:		Automatic Shut Off				
Pipe Aboveground Piping:		No				
Pipe Underground Piping:		Yes				
Pipe Construction Material:		Fiberglass or Poly				
Pipe Leak Test Method:		Monthly Monitoring				
Pipe Corrosion Protection:		Not Applicable				

Tank Equipment Test

Equipment ID:	113159	Test:	Pipe Leak Detection Test
Expiration Date:	4/23/2018	Test Date:	3/25/2018
Equipment ID:	113159	Test:	Tank Leak Detection Test
Expiration Date:	8/10/2017	Test Date:	7/11/2017
Equipment ID:	113159	Test:	Catastrophic Leak Detector Test
Expiration Date:	11/21/2018	Test Date:	11/21/2017
Equipment ID:	113159	Test:	Pipe Leak Detection Test
Expiration Date:	5/18/2016	Test Date:	5/18/2016
Equipment ID:	113159	Test:	Tank Cathodic Protection Test
Expiration Date:	3/15/2018	Test Date:	3/15/2017
Equipment ID:	113159	Test:	Tank Cathodic Protection Test
Expiration Date:	4/12/2019	Test Date:	4/12/2018
Equipment ID:	113159	Test:	Tank Leak Detection Test
Expiration Date:	4/18/2016	Test Date:	4/18/2016
Equipment ID:	113159	Test:	Tank Leak Detection Test
Expiration Date:	4/23/2018	Test Date:	3/26/2018
Equipment ID:	113159	Test:	Tank Leak Detection Test
Expiration Date:	4/5/2017	Test Date:	3/10/2017
Equipment ID:	113159	Test:	Tank Cathodic Protection Test
Expiration Date:	11/19/2016	Test Date:	11/19/2015
Equipment ID:	113159	Test:	Pipe Leak Detection Test
Expiration Date:	4/5/2017	Test Date:	3/2/2017
Equipment ID:	113159	Test:	Catastrophic Leak Detector Test
Expiration Date:	12/27/2018	Test Date:	12/27/2017
Equipment ID:	113159	Test:	Catastrophic Leak Detector Test
Expiration Date:	12/27/2017	Test Date:	12/27/2016

Tank Equipment Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Licensee:	Clark Of Milwaukee Inc				Spill Protection:	Installed
Tank ID:	112903				Overfill Protect:	Installed
Tank Ref No:	303683 402005373				Date of Lining:	
Equipment Wang ID:	402005373				Lining Inspect Dt:	
Tank Type:	Underground Storage Tank				CAS No:	
Tank Status:	In Use				Pipe Type:	Piping (Storage Tank)
Tank Contents:	Unleaded Gasoline				Pipe Status:	In Use
Capacity:	12000.00				Pipe Wall Type:	Single
Install Date:	4/1/1990 1:00:00 AM				Pipe UST Manifold:	No
Construct Material:	Coated Steel				Pipe System Type:	Pressurized
Wall Size:	Single				Pipe Flex Connector:	N
Federal Regulated:	Yes				Pipe Leak Detect:	Electronic .2 Monthly
Marketer:	Yes				Latest Test Name:	
Tank Occupancy:	Retail Fuel Sales				Latest Test Date:	
Leak Detection:	Automatic Tank Gauge				Latest Test Exp Date:	
Leak Test Method:	Monthly Monitoring					
Corrosion Protection Type:	Sacrificial Anodes					
Overfill Protection Type:	90alrm95auto					
Containment Sump Installed:	No					
Dispenser Sump Installed:	No					
Pipe Related Tank ID:	212262					
Pipe Catastroph Leak Detect:	Automatic Shut Off					
Pipe Aboveground Piping:	No					
Pipe Underground Piping:	Yes					
Pipe Construction Material:	Fiberglass or Poly					
Pipe Leak Test Method:	Monthly Monitoring					
Pipe Corrosion Protection:	Not Applicable					

Tank Equipment Test

Equipment ID:	112903	Test:	Catastrophic Leak Detector Test
Expiration Date:	11/21/2018	Test Date:	11/21/2017
Equipment ID:	112903	Test:	Tank Cathodic Protection Test
Expiration Date:	4/12/2019	Test Date:	4/12/2018
Equipment ID:	112903	Test:	Catastrophic Leak Detector Test
Expiration Date:	12/27/2017	Test Date:	12/27/2016
Equipment ID:	112903	Test:	Tank Leak Detection Test
Expiration Date:	8/10/2017	Test Date:	7/11/2017
Equipment ID:	112903	Test:	Tank Leak Detection Test
Expiration Date:	4/23/2018	Test Date:	3/26/2018
Equipment ID:	112903	Test:	Pipe Leak Detection Test
Expiration Date:	7/8/2017	Test Date:	7/8/2017
Equipment ID:	112903	Test:	Tank Cathodic Protection Test
Expiration Date:	3/15/2018	Test Date:	3/15/2017

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
---------	-------------------	-----------	------------------	----------------	------	----

Equipment ID:	112903	Test:	Pipe Leak Detection Test
Expiration Date:	4/5/2017	Test Date:	3/2/2017
Equipment ID:	112903	Test:	Pipe Leak Detection Test
Expiration Date:	4/23/2018	Test Date:	3/25/2018
Equipment ID:	112903	Test:	Tank Leak Detection Test
Expiration Date:	4/5/2017	Test Date:	3/10/2017

Tank Equipment Details

Licensee:	Clark Of Milwaukee Inc	Spill Protection:	Not Installed
Tank ID:	57461	Overfill Protect:	Not Installed
Tank Ref No:	302810 402004400	Date of Lining:	
Equipment Wang ID:	402004400	Lining Inspect Dt:	
Tank Type:	Underground Storage Tank	CAS No:	
Tank Status:	Closed/Removed	Pipe Type:	Piping (Storage Tank)
Tank Contents:	Unleaded Gasoline	Pipe Status:	Closed/Removed
Capacity:	6000.00	Pipe Wall Type:	Single
Install Date:		Pipe UST Manifold:	No
Construct Material:	Coated Steel	Pipe System Type:	
Wall Size:	Single	Pipe Flex Connector:	N
Federal Regulated:	Yes	Pipe Leak Detect:	Unknown
Marketer:	Yes	Latest Test Name:	
Tank Occupancy:	Retail Fuel Sales	Latest Test Date:	
Leak Detection:	Unknown	Latest Test Exp Date:	
Leak Test Method:			
Corrosion Protection Type:			
Overfill Protection Type:	Not Installed		
Containment Sump Installed:	No		
Dispenser Sump Installed:	No		
Pipe Related Tank ID:	146420		
Pipe Catastroph Leak Detect:			
Pipe Aboveground Piping:	No		
Pipe Underground Piping:	Yes		
Pipe Construction Material:	Unknown		
Pipe Leak Test Method:			
Pipe Corrosion Protection:			

Tank Facility Inspection

Inspection Type:	Annual	Inspection Date:	5/9/2016
Inspection Type:	Annual	Inspection Date:	7/11/2017

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Facility I:	241164550				WTM91 X AM: 690330.9999	
Detail Sequence No:	27819				WTM91 Y AM: 294462.0001	
Act Code:	340				Latitude: 43.1037432	
Activity Detail No:	0341001677				Longitude: -87.9067697	
Start Date:	7/9/1991				Registry I: YES	
End Date:	12/7/2001				PLSS Desc: NWNW0407N22E	

6	2 of 6	ENE	0.05 / 271.16	642.42 / 0	ZAMAN PROPERTIES LLC 303 E HAMPTON AVE WHITEFISH BAY WI 53217	DEL STORAGE TANK
Site ID:	85642				Fire Dept ID: 4015	
Object Type:	UST				Fire Dept Name: Whitefish Bay	
Municipality Type:					County:	
Municipality Name:	WHITEFISH BAY				County Name: MILWAUKEE	
Land Owner Type:	Private					
Original Source:	UST					
Record Date:	12-DEC-2016					

6	3 of 6	ENE	0.05 / 271.16	642.42 / 0	HARDERS STANDARD 303 E HAMPTON AVE WHITEFISH BAY WI 53217-5926	FINDS/FRS
Registry ID:	110005481781					
FIPS Code:	55079					
Program Acronyms:	RCRAINFO, WI-ESR					
HUC Code:	04040003					
Site Type Name:	STATIONARY					
Location Description:						
Supplemental Location:						
Create Date:	01-MAR-2000 00:00:00					
Update Date:	27-JAN-2012 04:22:46					
Interest Types:	CESQG, STATE MASTER					
SIC Codes:	5441					
SIC Code Descriptions:	CANDY, NUT, AND CONFECTIONERY STORES					
NAICS Codes:						
NAICS Code Descriptions:						
Conveyor:	FRS-GEOCODE					
Federal Facility Code:						
Federal Agency Name:						
Tribal Land Code:						
Tribal Land Name:						
Congressional Dist No.:	04					
Census Block Code:	550790044001007					
EPA Region Code:	05					
County Name:	MILWAUKEE					
US/Mexico Border Ind:						
Latitude:	43.10407					
Longitude:	-87.913264					
Reference Point:	ENTRANCE POINT OF A FACILITY OR STATION					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Coord Collection Method:		ADDRESS MATCHING-HOUSE NUMBER				
Accuracy Value:		50				
Datum:		NAD83				
Source:						
Facility Detail Rprt URL:		http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110005481781				

<u>6</u>	4 of 6	ENE	0.05 / 271.16	642.42 / 0	HARDERS STANDARD 303 E HAMPTON AVE WHITEFISH BAY WI 53217	LUST
Site ID:	1526800			County Code:	41	
BRRTS No:				County Name:	MILWAUKEE	
Database Source:	BRRTS Bulk data download; BRRTS Web List Search			Latitude:	43.10374320	
Region:	SOUTHEAST			Longitude:	-87.90676970	

Facility Activity Information

Detail Seq No:	27819	Risk Code:	MEDIUM
Act Code:	340	Acres:	UNKNOWN
Activity Type:	LUST	Acres 100:	Yes
Status CD:	C	Juris:	DNR RR
Status:	CLOSED	NPL Flag:	No
Dcom No:	53217592603	DCOM DB Track Flag:	Yes
Comm Occurrence ID:	6666	PECFA Eligible Flag:	Yes
EPA CERCLIS ID:		AST Flag:	No
FID:	241164550	Drycleaner Flag:	No
Activity Name:	HARTERS AMOCO STATION	Co Contam Flag:	No
Activity No:	0341001677	PLSS:	NW 1/4 of the NW 1/4 of Sec 04, T07N, R22E
Activity Display No:	03-41-001677	Geo Located Flag:	Yes
Start Date:	1991-07-09	Gis Registry Flag:	No
End Date:	2001-12-07	GIS Area Point Flag:	P
Last Action:	2013-07-02	Latitude:	43.10374320
Activity Detail Address:		Longitude:	-87.90676970
Activity Comments:	***SITE WAS CLOSED UNDER THE JURISDICTION OF THE DEPT OF SAFETY AND PROFESSIONAL SERVICES (DSPS) OR DEPT OF COMMERCE - SITE TRANSFERRED BACK TO DNR JURISDICTION IN 2013***		

Action Information

Action Date:	08/21/2002
Action Code:	50
Action Name:	GIS Registry Site
Action Desc:	Site conditions merit placement on GIS registry.
Action Comment:	AB

Action Date:	12/06/1996
Action Code:	37
Action Name:	SI Report Received (w/out Fee)
Action Desc:	Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.	
					Action Comment:	
					Action Date: 08/15/2001	
					Action Code: 84	
					Action Name: Conditional Closure	
					Action Desc: Date conditional closure approval letter is sent - the site will not be formally closed until receipt of documentation of abandonment of wells, disposal of soil, etc.	
					Action Comment: *** Conditional Closure from Commerce Data Interchange ***	
					Action Date: 12/07/2001	
					Action Code: 236	
					Action Name: Continuing Obligation - Residual GW Contamination	
					Action Desc: Closure or ongoing cleanup was approved with the requirement to record this site on the GIS Registry due to residual groundwater contamination in excess of ch. NR 140 groundwater enforcement standard	
					Action Comment:	
					Action Date: 07/09/1991	
					Action Code: 1	
					Action Name: Notification	
					Action Desc: Date the DNR is notified of the discovery of the contamination.	
					Action Comment:	
					Action Date: 05/07/1999	
					Action Code: 92	
					Action Name: O&M Report Received (w/out Fee)	
					Action Desc: Date the Operation & Maintenance Report is received. Form 4400-194.	
					Action Comment:	
					Action Date: 12/07/2001	
					Action Code: 56	
					Action Name: Continuing Obligation(s) Required - GIS Registry Site	
					Action Desc: Closure or ongoing cleanup was approved with one or more requirements: to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures. Site conditions merit placement on the GIS registry	
					Action Comment: AUTO-POPULATED AS REPLACEMENT FOR CODE 50	
					Action Date: 12/06/1996	
					Action Code: 39	
					Action Name: Remedial Action Options Report received (w/out Fee)	
					Action Desc: Date DNR receives the RAOR (a workplan). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from the discharged hazardous substances and to restore the environment to the extent practicable.	
					Action Comment:	
					Action Date: 11/06/1996	
					Action Code: 37	
					Action Name: SI Report Received (w/out Fee)	
					Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.	
					Action Comment: *** SITE INVESTIGATION DETERMINED BY DSPS TO BE COMPLETE - FROM DSPS DATA INTERCHANGE ***	

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
Action Date:			08/12/1997			
Action Code:			63			
Action Name:			Inject/Infiltrate Request with Fee			
Action Desc:			A request has been received to inject (through well/borehole) or infiltrate (through vertical pipes/galleries) any material (including clean water) to enhance soil or groundwater cleanup.			
Action Comment:			ORC REQUEST			
Action Date:			06/09/2000			
Action Code:			76			
Action Name:			Activity Transferred to DSPS (formerly Commerce)			
Action Desc:			Oversight of medium or low risk petroleum cleanup has been transferred to the WI Dept of Safety and Professional Services (DSPS). DSPS was part of the Dept of Commerce until 2011.			
Action Comment:						
Action Date:			07/02/2013			
Action Code:			89			
Action Name:			DSPS (formerly Commerce) Transferred Back to DNR			
Action Desc:			Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR. DSPS was part of the Dept of Commerce until 2011.			
Action Comment:			PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET			
Action Date:			07/19/1991			
Action Code:			2			
Action Name:			RP Letter Sent/2			
Action Desc:			Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.			
Action Comment:						
Action Date:			12/07/2001			
Action Code:			232			
Action Name:			Continuing Obligation - Residual Soil Contamination			
Action Desc:			Closure or ongoing cleanup was approved with the requirement to record this site on the GIS Registry due to residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL).			
Action Comment:			NO SOIL DATA IN GIS PACKET			
Action Date:			07/17/1991			
Action Code:			2			
Action Name:			RP Letter Sent			
Action Desc:			Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.			
Action Comment:			RP LETTER, MEDIUM			
Action Date:			12/07/2001			
Action Code:			51			
Action Name:			Deed Affidavit at Closeout			
Action Desc:			Date Deed Affidavit recorded with the Register of Deeds. Mostly used for residual soil contamination or for monitoring wells needing abandonment. Notes conditions required under code rather than as a property-specific condition(s).			
Action Comment:						
Action Date:			12/07/2001			
Action Code:			730			
Action Name:			Groundwater Use Restriction at Closure Added to GIS Registry			
Action Desc:			A Groundwater Use Restriction (GWUR) for residual groundwater contamination was required at closure and			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
City:	GLENDALE				End Date:	
State:	WI				Start Date:	
Street:	6441 N BITTERSWEET LA					

6	5 of 6	ENE	0.05 / 271.16	642.42 / 0	HARDERS STANDARD 303 E HAMPTON AVE WHITEFISH BAY WI 53211	RCRA CESQG
-------------------	--------	-----	---------------	------------	---	------------

EPA Handler ID: WID988601233
Gen Status Universe: Conditionally Exempt Small Quantity Generator
Contact Name: GERALD HARDER
Contact Address: 6441 N BITTERSWEET LN, , GLENDALE, WI, 53217, US
Contact Phone No and Ext: 414-964-2080
Contact Email:
Contact Country: US
EPA Region: 05
County Name: MILWAUKEE
Land Type: Private
Receive Date:

Violation/Evaluation Summary

Note: NO RECORDS: As of May 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

6	6 of 6	ENE	0.05 / 271.16	642.42 / 0	Zaman Properties LLC 303 E Hampton Ave Whitefish Bay WI 53217	UST
-------------------	--------	-----	---------------	------------	---	-----

License No: 415928
Facility Ref No: 85642|85642
Fire Dept ID: 4015
License Type: Permit

License: Underground Storage Tank Permit(s) to Operate
Expiration Date: 10/28/2018 12:00:00 AM
County Name: Milwaukee County
Municipality Name: Village of Whitefish Bay

Tank Equipment Details

Licensee:	Zaman Properties LLC	Spill Protection:	Not Installed
Tank ID:	55381	Overfill Protect:	Not Installed
Tank Ref No:	298187 401500004	Date of Lining:	
Equipment Wang ID:	401500004	Lining Inspect Dt:	
Tank Type:	Underground Storage Tank	CAS No:	
Tank Status:	Closed/Removed	Pipe Type:	Piping (Storage Tank)
Tank Contents:	Leaded Gasoline	Pipe Status:	Closed/Removed
Capacity:	4000.00	Pipe Wall Type:	Single
Install Date:		Pipe UST Manifold:	No
Construct Material:	Unknown	Pipe System Type:	
Wall Size:	Single	Pipe Flex Connector:	N
Federal Regulated:	Yes	Pipe Leak Detect:	Unknown
Marketer:	Yes	Latest Test Name:	
Tank Occupancy:	Retail Fuel Sales	Latest Test Date:	
Leak Detection:	Unknown	Latest Test Exp Date:	
Leak Test Method:			
Corrosion Protection Type:			
Overfill Protection Type:	Not Installed		
Containment Sump Installed:	No		
Dispenser Sump Installed:	No		
Pipe Related Tank ID:	144362		
Pipe Catastroph Leak Detect:			
Pipe Aboveground Piping:	No		
Pipe Underground Piping:	Yes		
Pipe Construction Material:	Unknown		
Pipe Leak Test Method:			
Pipe Corrosion Protection:			

Tank Equipment Details

Licensee:	Zaman Properties LLC	Spill Protection:	Not Installed
Tank ID:	56474	Overfill Protect:	Not Installed
Tank Ref No:	298186 401500003	Date of Lining:	
Equipment Wang ID:	401500003	Lining Inspect Dt:	
Tank Type:	Underground Storage Tank	CAS No:	
Tank Status:	Closed/Removed	Pipe Type:	Piping (Storage Tank)
Tank Contents:	Leaded Gasoline	Pipe Status:	Closed/Removed
Capacity:	5000.00	Pipe Wall Type:	Single
Install Date:		Pipe UST Manifold:	No
Construct Material:	Unknown	Pipe System Type:	
Wall Size:	Single	Pipe Flex Connector:	N
Federal Regulated:	Yes	Pipe Leak Detect:	Unknown
Marketer:	Yes	Latest Test Name:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
---------	-------------------	-----------	------------------	----------------	------	----

Tank Occupancy: Retail Fuel Sales **Latest Test Date:**
Leak Detection: Unknown **Latest Test Exp Date:**
Leak Test Method:
Corrosion Protection Type:
Overfill Protection Type: Not Installed
Containment Sump Installed: No
Dispenser Sump Installed: No
Pipe Related Tank ID: 145441
Pipe Catastroph Leak Detect:
Pipe Aboveground Piping: No
Pipe Underground Piping: Yes
Pipe Construction Material: Unknown
Pipe Leak Test Method:
Pipe Corrosion Protection:

Tank Equipment Details

Licensee: Zaman Properties LLC	Spill Protection: Installed
Tank ID: 107686	Overfill Protect: Installed
Tank Ref No: 298184 401500001	Date of Lining:
Equipment Wang ID: 401500001	Lining Inspect Dt:
Tank Type: Underground Storage Tank	CAS No:
Tank Status: In Use	Pipe Type: Piping (Storage Tank)
Tank Contents: Unleaded Gasoline	Pipe Status: In Use
Capacity: 8000.00	Pipe Wall Type: Double
Install Date: 1/1/1972 12:00:00 AM	Pipe UST Manifold: No
Construct Material: Fiberglass or Poly	Pipe System Type: Pressurized
Wall Size: Single	Pipe Flex Connector: N
Federal Regulated: Yes	Pipe Leak Detect: Inventory Control/Tightness Testing
Marketer: Yes	Latest Test Name:
Tank Occupancy: Retail Fuel Sales	Latest Test Date:
Leak Detection: Automatic Tank Gauge	Latest Test Exp Date:
Leak Test Method: Monthly Monitoring	
Corrosion Protection Type: Not Applicable	
Overfill Protection Type: 90alrm95auto	
Containment Sump Installed: Yes	
Dispenser Sump Installed: No	
Pipe Related Tank ID: 207099	
Pipe Catastroph Leak Detect: Flow Restrictor	
Pipe Aboveground Piping: No	
Pipe Underground Piping: Yes	
Pipe Construction Material: Flexible	
Pipe Leak Test Method: Annual Tightness Test	
Pipe Corrosion Protection: Not Applicable	

Tank Equipment Test

Equipment ID: 107686	Test: Pipe Leak Detection Test
Expiration Date: 3/14/2017	Test Date: 3/14/2017

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Equipment ID:	107686			Test:	Tank Leak Detection Test	
Expiration Date:	9/25/2016			Test Date:	9/25/2016	
Equipment ID:	107686			Test:	Pipe Leak Detection Test	
Expiration Date:	3/24/2017			Test Date:	3/24/2016	
Equipment ID:	107686			Test:	Tank Leak Detection Test	
Expiration Date:	5/10/2017			Test Date:	4/10/2017	
Equipment ID:	107686			Test:	Catastrophic Leak Detector Test	
Expiration Date:	3/14/2018			Test Date:	3/14/2017	
Equipment ID:	107686			Test:	Tank Leak Detection Test	
Expiration Date:	11/1/2017			Test Date:	10/5/2017	
Equipment ID:	107686			Test:	Tank Cathodic Protection Test	
Expiration Date:	3/14/2018			Test Date:	3/14/2017	
Equipment ID:	107686			Test:	Pipe Leak Detection Test	
Expiration Date:	3/14/2018			Test Date:	3/14/2017	

Tank Equipment Details

Licensee:	Zaman Properties LLC	Spill Protection:	Not Installed
Tank ID:	57345	Overfill Protect:	Not Installed
Tank Ref No:	298185 401500002	Date of Lining:	
Equipment Wang ID:	401500002	Lining Inspect Dt:	
Tank Type:	Underground Storage Tank	CAS No:	
Tank Status:	Closed/Removed	Pipe Type:	Piping (Storage Tank)
Tank Contents:	Unleaded Gasoline	Pipe Status:	Closed/Removed
Capacity:	6000.00	Pipe Wall Type:	Single
Install Date:		Pipe UST Manifold:	No
Construct Material:	Unknown	Pipe System Type:	
Wall Size:	Single	Pipe Flex Connector:	N
Federal Regulated:	Yes	Pipe Leak Detect:	Unknown
Marketer:	Yes	Latest Test Name:	
Tank Occupancy:	Retail Fuel Sales	Latest Test Date:	
Leak Detection:	Unknown	Latest Test Exp Date:	
Leak Test Method:			
Corrosion Protection Type:			
Overfill Protection Type:	Not Installed		
Containment Sump Installed:	No		
Dispenser Sump Installed:	No		
Pipe Related Tank ID:	146304		
Pipe Catastroph Leak Detect:			
Pipe Aboveground Piping:	No		
Pipe Underground Piping:	Yes		
Pipe Construction Material:	Unknown		
Pipe Leak Test Method:			
Pipe Corrosion Protection:			

Tank Equipment Details

Licensee:	Zaman Properties LLC	Spill Protection:	Not Installed
Tank ID:	48937	Overfill Protect:	Not Installed
Tank Ref No:	298188 401500005	Date of Lining:	
Equipment Wang ID:	401500005	Lining Inspect Dt:	
Tank Type:	Underground Storage Tank	CAS No:	
Tank Status:	Closed/Removed	Pipe Type:	Piping (Storage Tank)
Tank Contents:	Fuel Oil	Pipe Status:	Closed/Removed
Capacity:	1000.00	Pipe Wall Type:	Single
Install Date:		Pipe UST Manifold:	No
Construct Material:	Bare Steel	Pipe System Type:	
Wall Size:	Single	Pipe Flex Connector:	N
Federal Regulated:	No	Pipe Leak Detect:	
Marketer:	Yes	Latest Test Name:	
Tank Occupancy:	Retail Fuel Sales	Latest Test Date:	
Leak Detection:		Latest Test Exp Date:	
Leak Test Method:			
Corrosion Protection Type:			
Overfill Protection Type:	Not Installed		
Containment Sump Installed:	No		
Dispenser Sump Installed:	No		
Pipe Related Tank ID:	138013		
Pipe Catastroph Leak Detect:			
Pipe Aboveground Piping:	No		
Pipe Underground Piping:	Yes		
Pipe Construction Material:	Bare Steel		
Pipe Leak Test Method:			
Pipe Corrosion Protection:			

Tank Equipment Details

Licensee:	Zaman Properties LLC	Spill Protection:	Installed
Tank ID:	107895	Overfill Protect:	Installed
Tank Ref No:	298353 401500227	Date of Lining:	
Equipment Wang ID:	401500227	Lining Inspect Dt:	
Tank Type:	Underground Storage Tank	CAS No:	
Tank Status:	In Use	Pipe Type:	Piping (Storage Tank)
Tank Contents:	Unleaded Gasoline	Pipe Status:	In Use
Capacity:	8000.00	Pipe Wall Type:	Double
Install Date:	4/1/1987 1:00:00 AM	Pipe UST Manifold:	No
Construct Material:	Coated Steel	Pipe System Type:	Pressurized
Wall Size:	Single	Pipe Flex Connector:	N
Federal Regulated:	Yes	Pipe Leak Detect:	Inventory Control/Tightness Testing
Marketer:	Yes	Latest Test Name:	
Tank Occupancy:	Retail Fuel Sales	Latest Test Date:	
Leak Detection:	Automatic Tank Gauge	Latest Test Exp Date:	
Leak Test Method:	Monthly Monitoring		
Corrosion Protection Type:	Sacrificial Anodes		

Overfill Protection Type: 90alrm95auto
Containment Sump Installed: Yes
Dispenser Sump Installed: No
Pipe Related Tank ID: 207308
Pipe Catastroph Leak Detect: Flow Restrictor
Pipe Aboveground Piping: No
Pipe Underground Piping: Yes
Pipe Construction Material: Flexible
Pipe Leak Test Method: Annual Tightness Test
Pipe Corrosion Protection: Not Applicable

Tank Equipment Test

Equipment ID:	107895	Test:	Tank Cathodic Protection Test
Expiration Date:	3/14/2018	Test Date:	3/14/2017
Equipment ID:	107895	Test:	Pipe Leak Detection Test
Expiration Date:	3/14/2018	Test Date:	3/14/2017
Equipment ID:	107895	Test:	Tank Leak Detection Test
Expiration Date:	9/25/2016	Test Date:	9/25/2016
Equipment ID:	107895	Test:	Pipe Leak Detection Test
Expiration Date:	3/24/2017	Test Date:	3/24/2016
Equipment ID:	107895	Test:	Tank Leak Detection Test
Expiration Date:	11/1/2017	Test Date:	10/5/2017
Equipment ID:	107895	Test:	Catastrophic Leak Detector Test
Expiration Date:	3/14/2018	Test Date:	3/14/2017
Equipment ID:	107895	Test:	Tank Leak Detection Test
Expiration Date:	5/10/2017	Test Date:	4/10/2017
Equipment ID:	107895	Test:	Tank Cathodic Protection Test
Expiration Date:	3/24/2017	Test Date:	3/24/2016
Equipment ID:	107895	Test:	Pipe Leak Detection Test
Expiration Date:	3/14/2017	Test Date:	3/14/2017

Tank Equipment Details

Licensee:	Zaman Properties LLC	Spill Protection:	Not Installed
Tank ID:	46899	Overfill Protect:	Not Installed
Tank Ref No:	298387 401500267	Date of Lining:	
Equipment Wang ID:	401500267	Lining Inspect Dt:	
Tank Type:	Underground Storage Tank	CAS No:	
Tank Status:	Closed/Removed	Pipe Type:	Piping (Storage Tank)
Tank Contents:	Waste/Used Motor Oil	Pipe Status:	Closed/Removed
Capacity:	550.00	Pipe Wall Type:	Single

Install Date:					Pipe UST Manifold:	No
Construct Material:	Bare Steel				Pipe System Type:	
Wall Size:	Single				Pipe Flex Connector:	N
Federal Regulated:	Yes				Pipe Leak Detect:	Unknown
Marketer:	Yes				Latest Test Name:	
Tank Occupancy:	Retail Fuel Sales				Latest Test Date:	
Leak Detection:	Unknown				Latest Test Exp Date:	
Leak Test Method:						
Corrosion Protection Type:						
Overfill Protection Type:	Not Installed					
Containment Sump Installed:	No					
Dispenser Sump Installed:	No					
Pipe Related Tank ID:	136010					
Pipe Catastroph Leak Detect:						
Pipe Aboveground Piping:	No					
Pipe Underground Piping:	Yes					
Pipe Construction Material:	Bare Steel					
Pipe Leak Test Method:						
Pipe Corrosion Protection:						

Tank Equipment Details

Licensee:	Zaman Properties LLC				Spill Protection:	Not Installed
Tank ID:	46898				Overfill Protect:	Not Installed
Tank Ref No:	298366 401500246				Date of Lining:	
Equipment Wang ID:	401500246				Lining Inspect Dt:	
Tank Type:	Underground Storage Tank				CAS No:	
Tank Status:	Closed/Removed				Pipe Type:	Piping (Storage Tank)
Tank Contents:	Waste/Used Motor Oil				Pipe Status:	Closed/Removed
Capacity:	550.00				Pipe Wall Type:	Single
Install Date:					Pipe UST Manifold:	No
Construct Material:	Bare Steel				Pipe System Type:	
Wall Size:	Single				Pipe Flex Connector:	N
Federal Regulated:	Yes				Pipe Leak Detect:	Unknown
Marketer:	Yes				Latest Test Name:	
Tank Occupancy:	Retail Fuel Sales				Latest Test Date:	
Leak Detection:	Unknown				Latest Test Exp Date:	
Leak Test Method:						
Corrosion Protection Type:						
Overfill Protection Type:	Not Installed					
Containment Sump Installed:	No					
Dispenser Sump Installed:	No					
Pipe Related Tank ID:	136009					
Pipe Catastroph Leak Detect:						
Pipe Aboveground Piping:	No					
Pipe Underground Piping:	Yes					
Pipe Construction Material:	Bare Steel					
Pipe Leak Test Method:						
Pipe Corrosion Protection:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
----------------	--------------------------	------------------	-------------------------	-----------------------	-------------	-----------

Tank Equipment Details

Licensee:	Zaman Properties LLC	Spill Protection:	Installed
Tank ID:	110448	Overfill Protect:	Installed
Tank Ref No:	298352 401500226	Date of Lining:	
Equipment Wang ID:	401500226	Lining Inspect Dt:	
Tank Type:	Underground Storage Tank	CAS No:	
Tank Status:	In Use	Pipe Type:	Piping (Storage Tank)
Tank Contents:	Unleaded Gasoline	Pipe Status:	In Use
Capacity:	10000.00	Pipe Wall Type:	Double
Install Date:	4/1/1987 1:00:00 AM	Pipe UST Manifold:	No
Construct Material:	Coated Steel	Pipe System Type:	Pressurized
Wall Size:	Single	Pipe Flex Connector:	N
Federal Regulated:	Yes	Pipe Leak Detect:	Inventory Control/Tightness Testing
Marketer:	Yes	Latest Test Name:	
Tank Occupancy:	Retail Fuel Sales	Latest Test Date:	
Leak Detection:	Automatic Tank Gauge	Latest Test Exp Date:	
Leak Test Method:	Monthly Monitoring		
Corrosion Protection Type:	Sacrificial Anodes		
Overfill Protection Type:	90alrm95auto		
Containment Sump Installed:	Yes		
Dispenser Sump Installed:	No		
Pipe Related Tank ID:	209840		
Pipe Catastroph Leak Detect:	Flow Restrictor		
Pipe Aboveground Piping:	No		
Pipe Underground Piping:	Yes		
Pipe Construction Material:	Flexible		
Pipe Leak Test Method:	Annual Tightness Test		
Pipe Corrosion Protection:	Not Applicable		

Tank Equipment Test

Equipment ID:	110448	Test:	Tank Leak Detection Test
Expiration Date:	9/25/2016	Test Date:	9/25/2016
Equipment ID:	110448	Test:	Pipe Leak Detection Test
Expiration Date:	3/14/2017	Test Date:	3/14/2017
Equipment ID:	110448	Test:	Pipe Leak Detection Test
Expiration Date:	3/24/2017	Test Date:	3/24/2016
Equipment ID:	110448	Test:	Tank Leak Detection Test
Expiration Date:	5/10/2017	Test Date:	4/10/2017
Equipment ID:	110448	Test:	Tank Cathodic Protection Test
Expiration Date:	3/14/2018	Test Date:	3/14/2017
Equipment ID:	110448	Test:	Tank Leak Detection Test
Expiration Date:	11/1/2017	Test Date:	10/5/2017

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
---------	-------------------	-----------	------------------	----------------	------	----

Equipment ID:	110448			Test:	Tank Cathodic Protection Test	
Expiration Date:	3/24/2017			Test Date:	3/24/2016	

Equipment ID:	110448			Test:	Catastrophic Leak Detector Test	
Expiration Date:	3/14/2018			Test Date:	3/14/2017	

Equipment ID:	110448			Test:	Pipe Leak Detection Test	
Expiration Date:	3/14/2018			Test Date:	3/14/2017	

Tank Facility Inspection

Inspection Type:	Annual			Inspection Date:	4/10/2017	
-------------------------	--------	--	--	-------------------------	-----------	--

Inspection Type:	Annual			Inspection Date:	8/18/2016	
-------------------------	--------	--	--	-------------------------	-----------	--

7	1 of 4	W	0.20 / 1,077.50	637.71 / -5	AMOCO STATION #19721 190 W HAMPTON AVE MILWAUKEE WI	AUL
-------------------	--------	---	-----------------	-------------	---	-----

Site ID:	3217100
County Code:	41
County:	MILWAUKEE
Region:	SOUTHEAST
Latitude:	43.10422540
Longitude:	-87.91147220

Facility Activity Information

Detail Seq No:	20260	Risk Code:	HIGH
Act Code:	340	Acres:	UNKNOWN
Activity Type:	LUST	Acres 100:	Yes
Status CD:	C	Juris:	DNR RR
Status:	CLOSED	NPL Flag:	No
Dcom No:	53217580490	DCOM DB Track Flag:	No
Comm Occurrence ID:	3670	PECFA Eligible Flag:	Yes
EPA CERCLIS ID:		AST Flag:	No
FID:	241569460	Drycleaner Flag:	No
Activity Name:	AMOCO STATION #19721	Co Contam Flag:	No
Activity No:	0341000062	PLSS:	SE 1/4 of the SE 1/4 of Sec 32, T08N, R22E
Activity Display No:	03-41-000062	Geo Located Flag:	Yes
Start Date:	1988-11-04	GIS Registry Flag:	No
End Date:	2001-12-21	GIS Area Point Flag:	P
Last Action:	2001-12-21	Latitude:	43.10422540
Activity Detail Address:		Longitude:	-87.91147220
Activity Comments:			

Action Information

Action Date:	12/03/2001
---------------------	------------

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
---------	-------------------	-----------	------------------	----------------	------	----

Action Code: 52
Action Name: Deed Restriction for Soil at Closeout
Action Desc: Deed Restriction was recorded at the Register of Deeds, due to residual soil contamination, to ensure that land use doesn't pose a health threat. If the soils are made accessible, additional action is required. As of 6/2006, these restrictions were largely replaced with listing on the GIS Registry
Action Comment:

Impacts Information

Impact Seq No: 62220	Impact Code: 05
Impact Comment: Soil Contamination	Potential Flag:
Impact Seq No: 62219	Impact Code: 04
Impact Comment: Groundwater Contamination	Potential Flag:

Substances Information

Substance Desc: Gasoline - Unleaded and Leaded
Spill Released Amt:
Spill Released Unit Code:

WHO Information

Org Flag: Yes	State Abbr: MO
Role Desc: Consultant	Postal Code: 63376
Full Name: ANTEA USA INC	Composite Address: ST PETERS, MO 63376
Address 1: 150 ST PETERS CENTRE BLVD STE C	Country Name: UNITED STATES
Address 2:	Email: NA
City: ST PETERS	
Org Flag: Yes	State Abbr: MN
Role Desc: Responsible Party	Postal Code: 55437-1181
Full Name: AMOCO CORP	Composite Address: MINNEAPOLIS, MN 55437
Address 1: 5001 W 80TH ST, SUITE 890	Country Name: UNITED STATES
Address 2:	Email: NA
City: MINNEAPOLIS	
Org Flag: No	State Abbr: WI
Role Desc: DNR File Contact	Postal Code: 53212
Full Name: JENNIFER DORMAN	Composite Address: MILWAUKEE, WI 53212
Address 1: 2300 N DR MARTIN LUTHER KING JR DR	Country Name: UNITED STATES
Address 2:	Email: jennifer.dorman@wisconsin.gov
City: MILWAUKEE	

7	2 of 4	W	0.20 / 1,077.50	637.71 / -5	AMOCO STATION #19721 190 W Hampton Ave Milwaukee WI	CRS
-------------------	--------	---	-----------------	-------------	---	-----

Facility I: 241569460	WTM91 X AM: 689947
Detail Sequence No: 20260	WTM91 Y AM: 294506

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Act Code:	340				Latitude: 43.1042254	
Activity Detail No:	0341000062				Longitude: -87.9114722	
Start Date:	11/4/1988				Registry I: NO	
End Date:	12/21/2001				PLSS Desc: SESE3208N22E	

7	3 of 4	W	0.20 / 1,077.50	637.71 / -5	AMOCO STATION #19721 190 W HAMPTON AVE MILWAUKEE WI	LUST
-------------------	--------	---	-----------------	-------------	---	------

Site ID:	3217100	County Code:	41
BRRTS No:		County Name:	MILWAUKEE
Database Source:	BRRTS Bulk data download; BRRTS Web List Search	Latitude:	43.10422540
Region:	SOUTHEAST	Longitude:	-87.91147220

Facility Activity Information

Detail Seq No:	20260	Risk Code:	HIGH
Act Code:	340	Acres:	UNKNOWN
Activity Type:	LUST	Acres 100:	Yes
Status CD:	C	Juris:	DNR RR
Status:	CLOSED	NPL Flag:	No
Dcom No:	53217580490	DCOM DB Track Flag:	No
Comm Occurrence ID:	3670	PECFA Eligible Flag:	Yes
EPA CERCLIS ID:		AST Flag:	No
FID:	241569460	Drycleaner Flag:	No
Activity Name:	AMOCO STATION #19721	Co Contam Flag:	No
Activity No:	0341000062	PLSS:	SE 1/4 of the SE 1/4 of Sec 32, T08N, R22E
Activity Display No:	03-41-000062	Geo Located Flag:	Yes
Start Date:	1988-11-04	Gis Registry Flag:	No
End Date:	2001-12-21	GIS Area Point Flag:	P
Last Action:	2001-12-21	Latitude:	43.10422540
Activity Detail Address:		Longitude:	-87.91147220
Activity Comments:			

Action Information

Action Date:	02/27/2001
Action Code:	730
Action Name:	Groundwater Use Restriction at Closure Added to GIS Registry
Action Desc:	A Groundwater Use Restriction (GWUR) for residual groundwater contamination was required at closure and recorded at the Register of Deeds (as of 11/2001 these were replaced with listing on the DNR GIS Registry). This site was added to the GIS Registry with a copy of the GWUR. No fee was required.

Action Comment:

Action Date:	04/11/1995
Action Code:	37
Action Name:	SI Report Received (w/out Fee)
Action Desc:	Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Action Comment:		SI REPORT RECVD, FORM 4 SIGNED 4/26/95				
Action Date:		08/03/1995				
Action Code:		39				
Action Name:		Remedial Action Options Report received (w/out Fee)				
Action Desc:		Date DNR receives the RAOR (a workplan). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from the discharged hazardous substances and to restore the environment to the extent practicable.				
Action Comment:		RA WORK PLAN RECVD				
Action Date:		12/21/2001				
Action Code:		224				
Action Name:		Continuing Obligation - Structural Impediment to Cleanup				
Action Desc:		Closure or ongoing cleanup was approved with the requirement to conduct further investigation and cleanup as necessary following the removal of a structural impediment that impeded the original investigation.				
Action Comment:						
Action Date:		05/25/2000				
Action Code:		99				
Action Name:		Miscellaneous/4				
Action Desc:		Miscellaneous Action - See Action Comments				
Action Comment:		RECVD GW ABANDONMENT FORMS				
Action Date:		07/10/1998				
Action Code:		60				
Action Name:		Request for Further Work				
Action Desc:		[OBSOLETE] Used in lieu of notice to proceed. Need to take some other action or modified action from one being proposed. South Central Region code.				
Action Comment:						
Action Date:		09/22/1998				
Action Code:		80				
Action Name:		Closure Not Approved/2				
Action Desc:		Date closure not approved letter is sent.				
Action Comment:		BG.				
Action Date:		12/21/2001				
Action Code:		99				
Action Name:		Miscellaneous/7				
Action Desc:		Miscellaneous Action - See Action Comments				
Action Comment:		JH RECVD DEED & GWUR, QUIT CLAIM DEED				
Action Date:		11/09/1995				
Action Code:		43				
Action Name:		Status Report Received				
Action Desc:		Date updates on progress are received. Can be 30, 60, 90 days or other interval.				
Action Comment:		QRTL/MTHLY STATUS RPT				
Action Date:		12/21/2001				
Action Code:		232				
Action Name:		Continuing Obligation - Residual Soil Contamination				
Action Desc:		Closure or ongoing cleanup was approved with the requirement to record this site on the GIS Registry due to residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual				

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
					Contaminant Level (SSRCL).	
					Action Comment:	
					Action Date: 12/21/2001	
					Action Code: 730	
					Action Name: Groundwater Use Restriction at Closure Added to GIS Registry	
					Action Desc: A Groundwater Use Restriction (GWUR) for residual groundwater contamination was required at closure and recorded at the Register of Deeds (as of 11/2001 these were replaced with listing on the DNR GIS Registry). This site was added to the GIS Registry with a copy of the GWUR. No fee was required.	
					Action Comment:	
					Action Date: 12/21/2001	
					Action Code: 56	
					Action Name: Continuing Obligation(s) Required - GIS Registry Site	
					Action Desc: Closure or ongoing cleanup was approved with one or more requirements: to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures. Site conditions merit placement on the GIS registry	
					Action Comment:	
					Action Date: 03/23/1995	
					Action Code: 99	
					Action Name: Miscellaneous	
					Action Desc: Miscellaneous Action - See Action Comments	
					Action Comment: REQUESTED TEMP BLANK INFORMATION	
					Action Date: 12/26/1991	
					Action Code: 74	
					Action Name: Long Term Monitoring Start	
					Action Desc: [OBSOLETE] Date that long term monitoring starts either as follow-up to remedial action or in lieu of one. This is not the same as monitoring done in conjunction with site investigations.	
					Action Comment:	
					Action Date: 05/07/1996	
					Action Code: 43	
					Action Name: Status Report Received/3	
					Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.	
					Action Comment: GW MON	
					Action Date: 12/21/2001	
					Action Code: 11	
					Action Name: Activity Closed	
					Action Desc: Date the Closure Letter or No Further Action letter is sent.	
					Action Comment: JH	
					Action Date: 01/06/1998	
					Action Code: 179	
					Action Name: Closure Review Req Received (no fee required)	
					Action Desc: Date DNR received a Closure Review Request for a site where the fee has previously been paid or no fee is required (i.e. VPLE).	
					Action Comment: BG. FLEXIBLE CLOSURE REQUEST	
					Action Date: 05/08/1996	
					Action Code: 44	

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
Action Name:					Form 4 Received	
Action Desc:					[OBSOLETE] Date the Form 4, PECFA request for reimbursement is received.	
Action Comment:					FORMERLY ACTION 99 - FORM 4 RECD	
Action Date:					02/05/2001	
Action Code:					99	
Action Name:					Miscellaneous/4	
Action Desc:					Miscellaneous Action - See Action Comments	
Action Comment:					REC'D DRAFT DEED NOTICE-THIS NEEDS TO BE REVIEWED	
Action Date:					11/22/1999	
Action Code:					99	
Action Name:					Miscellaneous/2	
Action Desc:					Miscellaneous Action - See Action Comments	
Action Comment:					BG. RCVD. GW USE REST. DRAFT	
Action Date:					07/23/1997	
Action Code:					179	
Action Name:					Closure Review Req Received (no fee required)	
Action Desc:					Date DNR received a Closure Review Request for a site where the fee has previously been paid or no fee is required (i.e. VPLE).	
Action Comment:						
Action Date:					12/21/2001	
Action Code:					236	
Action Name:					Continuing Obligation - Residual GW Contamination	
Action Desc:					Closure or ongoing cleanup was approved with the requirement to record this site on the GIS Registry due to residual groundwater contamination in excess of ch. NR 140 groundwater enforcement standard	
Action Comment:						
Action Date:					12/03/2001	
Action Code:					52	
Action Name:					Deed Restriction for Soil at Closeout	
Action Desc:					Deed Restriction was recorded at the Register of Deeds, due to residual soil contamination, to ensure that land use doesn't pose a health threat. If the soils are made accessible, additional action is required. As of 6/2006, these restrictions were largely replaced with listing on the GIS Registry	
Action Comment:						
Action Date:					12/19/1996	
Action Code:					80	
Action Name:					Closure Not Approved	
Action Desc:					Date closure not approved letter is sent.	
Action Comment:						
Action Date:					12/06/1999	
Action Code:					99	
Action Name:					Miscellaneous/3	
Action Desc:					Miscellaneous Action - See Action Comments	
Action Comment:					OK'D DRAFT GROUNDWATER USE RESTRICION	
Action Date:					01/14/1997	
Action Code:					44	

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
Action Name:		Form 4 Received/2				
Action Desc:		[OBSOLETE] Date the Form 4, PECFA request for reimbursement is received.				
Action Comment:		FORMERLY ACTION 99 - FORM 4 RECD				
Action Date:		05/03/2001				
Action Code:		99				
Action Name:		Miscellaneous/5				
Action Desc:		Miscellaneous Action - See Action Comments				
Action Comment:		JH SENT DEED RESTRICTION TO MADISON FOR APPROVAL				
Action Date:		03/22/1999				
Action Code:		84				
Action Name:		Conditional Closure				
Action Desc:		Date conditional closure approval letter is sent - the site will not be formally closed until receipt of documentation of abandonment of wells, disposal of soil, etc.				
Action Comment:		BG.NEED GW USE RESTRICTION& DEED NOTICE				
Action Date:		01/30/1996				
Action Code:		43				
Action Name:		Status Report Received/2				
Action Desc:		Date updates on progress are received. Can be 30, 60, 90 days or other interval.				
Action Comment:						
Action Date:		11/04/1988				
Action Code:		1				
Action Name:		Notification				
Action Desc:		Date the DNR is notified of the discovery of the contamination.				
Action Comment:						
Action Date:		01/06/1998				
Action Code:		179				
Action Name:		Closure Review Req Received (no fee required)				
Action Desc:		Date DNR received a Closure Review Request for a site where the fee has previously been paid or no fee is required (i.e. VPLE).				
Action Comment:		BG.7/8/98 request for further work 7/10/98				
Action Date:		01/06/1998				
Action Code:		44				
Action Name:		Form 4 Received/3				
Action Desc:		[OBSOLETE] Date the Form 4, PECFA request for reimbursement is received.				
Action Comment:						

Impacts Information

Impact Seq No:	62219	Impact Code:	04
Impact Comment:	Groundwater Contamination	Potential Flag:	
Impact Seq No:	62220	Impact Code:	05
Impact Comment:	Soil Contamination	Potential Flag:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
---------	-------------------	-----------	------------------	----------------	------	----

Substances Information

Substance Desc: Gasoline - Unleaded and Leaded
Spill Released Amt:
Spill Released Unit Code:

WHO Information

Org Flag:	No	State Abbr:	WI
Role Desc:	DNR File Contact	Postal Code:	53212
Full Name:	JENNIFER DORMAN	Composite Address:	MILWAUKEE, WI 53212
Address 1:	2300 N DR MARTIN LUTHER KING JR DR	Country Name:	UNITED STATES
Address 2:		Email:	jennifer.dorman@wisconsin.gov
City:	MILWAUKEE		

Org Flag:	Yes	State Abbr:	MN
Role Desc:	Responsible Party	Postal Code:	55437-1181
Full Name:	AMOCO CORP	Composite Address:	MINNEAPOLIS, MN 55437
Address 1:	5001 W 80TH ST, SUITE 890	Country Name:	UNITED STATES
Address 2:		Email:	NA
City:	MINNEAPOLIS		

Org Flag:	Yes	State Abbr:	MO
Role Desc:	Consultant	Postal Code:	63376
Full Name:	ANTEA USA INC	Composite Address:	ST PETERS, MO 63376
Address 1:	150 ST PETERS CENTRE BLVD STE C	Country Name:	UNITED STATES
Address 2:		Email:	NA
City:	ST PETERS		

7	4 of 4	W	0.20 / 1,077.50	637.71 / -5	AMOCO OIL 190 W Hampton Ave Milwaukee WI 53217	UST
-------------------	--------	---	-----------------	-------------	--	-----

License No: 52693
Facility Ref No: 52693|52693
Fire Dept ID: 4020
License Type: Registration
License: Storage Tank Registration
Expiration Date:
County Name: Milwaukee County
Municipality Name:

Tank Equipment Details

Licensee:	Bp Products North America Inc	Spill Protection:	Not Installed
Tank ID:	303346	Overfill Protect:	Not Installed
Tank Ref No:	303346 402004990	Date of Lining:	
Equipment Wang ID:	402004990	Lining Inspect Dt:	
Tank Type:	Underground Storage Tank	CAS No:	
Tank Status:	Closed/Removed	Pipe Type:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Tank Contents:	Leaded Gasoline				Pipe Status:	
Capacity:	6000.00				Pipe Wall Type:	
Install Date:					Pipe UST Manifold:	
Construct Material:	Unknown				Pipe System Type:	
Wall Size:					Pipe Flex Connector:	
Federal Regulated:	Yes				Pipe Leak Detect:	
Marketer:	No				Latest Test Name:	
Tank Occupancy:	Retail Fuel Sales				Latest Test Date:	
Leak Detection:	Not Required				Latest Test Exp Date:	
Leak Test Method:						
Corrosion Protection Type:						
Overfill Protection Type:	Not Installed					
Containment Sump Installed:						
Dispenser Sump Installed:	No					
Pipe Related Tank ID:						
Pipe Catastroph Leak Detect:						
Pipe Aboveground Piping:	No					
Pipe Underground Piping:	No					
Pipe Construction Material:						
Pipe Leak Test Method:						
Pipe Corrosion Protection:						

Tank Equipment Details

Licensee:	Bp Products North America Inc	Spill Protection:	Not Installed
Tank ID:	303344	Overfill Protect:	Not Installed
Tank Ref No:	303344 402004988	Date of Lining:	
Equipment Wang ID:	402004988	Lining Inspect Dt:	
Tank Type:	Underground Storage Tank	CAS No:	
Tank Status:	Closed/Removed	Pipe Type:	
Tank Contents:	Leaded Gasoline	Pipe Status:	
Capacity:	10000.00	Pipe Wall Type:	
Install Date:		Pipe UST Manifold:	
Construct Material:	Unknown	Pipe System Type:	
Wall Size:		Pipe Flex Connector:	
Federal Regulated:	Yes	Pipe Leak Detect:	
Marketer:	No	Latest Test Name:	
Tank Occupancy:	Retail Fuel Sales	Latest Test Date:	
Leak Detection:	Not Required	Latest Test Exp Date:	
Leak Test Method:			
Corrosion Protection Type:			
Overfill Protection Type:	Not Installed		
Containment Sump Installed:			
Dispenser Sump Installed:	No		
Pipe Related Tank ID:			
Pipe Catastroph Leak Detect:			
Pipe Aboveground Piping:	No		
Pipe Underground Piping:	No		
Pipe Construction Material:			
Pipe Leak Test Method:			

Pipe Corrosion Protection:

Tank Equipment Details

Licensee:	Bp Products North America Inc	Spill Protection:	Not Installed
Tank ID:	303345	Overfill Protect:	Not Installed
Tank Ref No:	303345 402004989	Date of Lining:	
Equipment Wang ID:	402004989	Lining Inspect Dt:	
Tank Type:	Underground Storage Tank	CAS No:	
Tank Status:	Closed/Removed	Pipe Type:	
Tank Contents:	Leaded Gasoline	Pipe Status:	
Capacity:	6000.00	Pipe Wall Type:	
Install Date:		Pipe UST Manifold:	
Construct Material:	Unknown	Pipe System Type:	
Wall Size:		Pipe Flex Connector:	
Federal Regulated:	Yes	Pipe Leak Detect:	
Marketer:	No	Latest Test Name:	
Tank Occupancy:	Retail Fuel Sales	Latest Test Date:	
Leak Detection:	Not Required	Latest Test Exp Date:	
Leak Test Method:			
Corrosion Protection Type:			
Overfill Protection Type:	Not Installed		
Containment Sump Installed:			
Dispenser Sump Installed:	No		
Pipe Related Tank ID:			
Pipe Catastroph Leak Detect:			
Pipe Aboveground Piping:	No		
Pipe Underground Piping:	No		
Pipe Construction Material:			
Pipe Leak Test Method:			
Pipe Corrosion Protection:			

Tank Equipment Details

Licensee:	Bp Products North America Inc	Spill Protection:	Not Installed
Tank ID:	303347	Overfill Protect:	Not Installed
Tank Ref No:	303347 402004991	Date of Lining:	
Equipment Wang ID:	402004991	Lining Inspect Dt:	
Tank Type:	Underground Storage Tank	CAS No:	
Tank Status:	Closed/Removed	Pipe Type:	
Tank Contents:	Waste/Used Motor Oil	Pipe Status:	
Capacity:	550.00	Pipe Wall Type:	
Install Date:		Pipe UST Manifold:	
Construct Material:	Unknown	Pipe System Type:	
Wall Size:		Pipe Flex Connector:	
Federal Regulated:	Yes	Pipe Leak Detect:	
Marketer:	No	Latest Test Name:	
Tank Occupancy:	Retail Fuel Sales	Latest Test Date:	
Leak Detection:	Not Required	Latest Test Exp Date:	
Leak Test Method:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
---------	-------------------	-----------	------------------	----------------	------	----

Corrosion Protection Type:
Overfill Protection Type: Not Installed
Containment Sump Installed:
Dispenser Sump Installed: No
Pipe Related Tank ID:
Pipe Catastroph Leak Detect:
Pipe Aboveground Piping: No
Pipe Underground Piping: No
Pipe Construction Material:
Pipe Leak Test Method:
Pipe Corrosion Protection:

8	1 of 1	NNW	0.22 / 1,140.23	641.76 / -1	BAY VILLAGE APARTMENTS 240 E CHATEAU PLACE WHITEFISH BAY WI 53217	ERP
-------------------	--------	-----	--------------------	----------------	---	-----

Site ID:	29797900	County:	41
BRRTS No:		County Name:	MILWAUKEE
Database Source:	BRRTS Bulk data download; BRRTS Web List Search	Latitude:	43.105982
Region:	SOUTHEAST	Longitude:	-87.90951820

Facility Activity Information

Detail Seq No:	579550	Risk Code:	UNKNOWN
Act Code:	330	Acres:	UNKNOWN
Activity Type:	ERP	Acres 100:	Yes
Status CD:	O	Juris:	DNR RR
Status:	OPEN	NPL Flag:	No
Dcom No:	NONE	DCOM DB Track Flag:	No
Comm Occurrence ID:	NONE	PECFA Eligible Flag:	No
EPA CERCLIS ID:		AST Flag:	No
FID:	341288530	Drycleaner Flag:	No
Activity Name:	BAY VILLAGE APARTMENTS	Co Contam Flag:	No
Activity No:	0241579550	PLSS:	SE 1/4 of the SE 1/4 of Sec 32, T08N, R22E
Activity Display No:	02-41-579550	Geo Located Flag:	Yes
Start Date:	2017-06-13	Gis Registry Flag:	No
End Date:		GIS Area Point Flag:	P
Last Action:	2018-04-05	Latitude:	43.105982
Activity Detail Address:		Longitude:	-87.90951820
Activity Comments:			

Action Information

Action Date:	08/10/2017
Action Code:	97
Action Name:	Request for Technical Assistance Received with Fee/2
Action Desc:	Date DNR receives a request for technical assistance and a fee has been paid.
Action Comment:	REC'D CK # 30072 \$700.00

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Action Date:		03/19/2018				
Action Code:		39				
Action Name:		Remedial Action Options Report Received (w/out Fee)				
Action Desc:		Date DNR receives the RAOR (a workplan). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from the discharged hazardous substances and to restore the environment to the extent practicable.				
Action Comment:		REC'D REVISED RAOR				
Action Date:		06/13/2017				
Action Code:		1				
Action Name:		Notification				
Action Desc:		Date the DNR is notified of the discovery of the contamination.				
Action Comment:						
Action Date:		01/09/2018 10:32:34 AM				
Action Code:		195				
Action Name:		Semi-Annual/PECFA Cost Reporting Requirement Met /2				
Action Desc:		Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.				
Action Comment:		Period: 7/1/2017 - 12/31/2017				
Action Date:		08/10/2017				
Action Code:		98				
Action Name:		Technical Assistance Provided/2				
Action Desc:		Date DNR provides fee-based technical assistance on a portion of a site investigation or cleanup.				
Action Comment:		MEETING HELD				
Action Date:		08/10/2017 2:19:05 PM				
Action Code:		195				
Action Name:		Semi-Annual/PECFA Cost Reporting Requirement Met				
Action Desc:		Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.				
Action Comment:		Period: 1/1/2017 - 6/30/2017				
Action Date:		06/24/2017				
Action Code:		98				
Action Name:		Technical Assistance Provided				
Action Desc:		Date DNR provides fee-based technical assistance on a portion of a site investigation or cleanup.				
Action Comment:		TECHNICAL ASSISTANCE MEETING HELD AT DNR SER HEADQUARTERS 06/12/2017				
Action Date:		06/23/2017				
Action Code:		97				
Action Name:		Request for Technical Assistance Received with Fee				
Action Desc:		Date DNR receives a request for technical assistance and a fee has been paid.				
Action Comment:		REC'D CK #29755 \$700.00				
Action Date:		04/05/2018				
Action Code:		99				
Action Name:		Miscellaneous/3				
Action Desc:		Miscellaneous Action - See Action Comments				
Action Comment:		TECH ASSISTANCE MEETING AT DNR SER HEADQUARTERS TO DISCUSS REVISED RAOR, NAR, NFA DETAILS				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Address 1:	2300 N DR MARTIN LUTHER KING DR				Country Name:	UNITED STATES
Address 2:					Email:	trevor.nobile@wisconsin.gov
City:	MILWAUKEE					
Org Flag:	No				State Abbr:	WI
Role Desc:	RP Contact/Agent				Postal Code:	53211
Full Name:	DAVID KARADEMAS				Composite Address:	SHOREWOOD, WI 53211
Address 1:	4532 N WILSON DR				Country Name:	UNITED STATES
Address 2:					Email:	david.karademas@gmail.com
City:	SHOREWOOD					

<u>9</u>	1 of 2	ESE	0.22 / 1,183.08	641.19 / -1	JOANNE BACHER 4766 N HOLLYWOOD WHITEFISH BAY WI 53217	DEL STORAGE TANK
Site ID:	94429				Fire Dept ID:	4015
Object Type:	UST				Fire Dept Name:	Whitefish Bay
Municipality Type:					County:	
Municipality Name:	WHITEFISH BAY				County Name:	MILWAUKEE
Land Owner Type:	Private					
Original Source:	UST					
Record Date:	12-DEC-2016					

<u>9</u>	2 of 2	ESE	0.22 / 1,183.08	641.19 / -1	Joanne Bacher 4766 N Hollywood Whitefish Bay WI 53217	UST
License No:	463687					
Facility Ref No:	94429 94429					
Fire Dept ID:	4015					
License Type:	Registration					
License:	Storage Tank Registration					
Expiration Date:						
County Name:	Milwaukee County					
Municipality Name:	Village of Whitefish Bay					

Tank Equipment Details

Licensee:	Joanne Bacher	Spill Protection:	Not Installed
Tank ID:	98304	Overfill Protect:	Not Installed
Tank Ref No:	298255 401500128	Date of Lining:	
Equipment Wang ID:	401500128	Lining Inspect Dt:	
Tank Type:	Underground Storage Tank	CAS No:	
Tank Status:	In Use	Pipe Type:	Piping (Storage Tank)
Tank Contents:	Fuel Oil	Pipe Status:	In Use
Capacity:	1000.00	Pipe Wall Type:	Single
Install Date:		Pipe UST Manifold:	No
Construct Material:	Bare Steel	Pipe System Type:	
Wall Size:	Single	Pipe Flex Connector:	N
Federal Regulated:	No	Pipe Leak Detect:	
Marketer:	No	Latest Test Name:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Tank Occupancy:		Residential			Latest Test Date:	
Leak Detection:					Latest Test Exp Date:	
Leak Test Method:						
Corrosion Protection Type:						
Overfill Protection Type:		Not Installed				
Containment Sump Installed:		No				
Dispenser Sump Installed:		No				
Pipe Related Tank ID:		197771				
Pipe Catastroph Leak Detect:						
Pipe Aboveground Piping:		No				
Pipe Underground Piping:		Yes				
Pipe Construction Material:						
Pipe Leak Test Method:						
Pipe Corrosion Protection:						

10	1 of 1	NE	0.23 / 1,215.10	643.55 / 1	M SANDRA CASPER 500 E Chateau PI Whitefish Bay WI 53217	UST
--------------------	--------	----	--------------------	---------------	---	-----

License No: 106641
Facility Ref No: 106641|106641
Fire Dept ID: 4015
License Type: Registration
License: Storage Tank Registration
Expiration Date:
County Name: Milwaukee County
Municipality Name:

Tank Equipment Details

Licensee:	M SANDRA Casper	Spill Protection:	Not Installed
Tank ID:	308245	Overfill Protect:	Not Installed
Tank Ref No:	308245 402600273	Date of Lining:	
Equipment Wang ID:	402600273	Lining Inspect Dt:	
Tank Type:	Underground Storage Tank	CAS No:	
Tank Status:	Closed/Removed	Pipe Type:	
Tank Contents:	Unknown	Pipe Status:	
Capacity:	550.00	Pipe Wall Type:	
Install Date:		Pipe UST Manifold:	
Construct Material:	Bare Steel	Pipe System Type:	
Wall Size:		Pipe Flex Connector:	
Federal Regulated:	No	Pipe Leak Detect:	
Marketer:	No	Latest Test Name:	
Tank Occupancy:	Residential	Latest Test Date:	
Leak Detection:	Unknown	Latest Test Exp Date:	
Leak Test Method:			
Corrosion Protection Type:			
Overfill Protection Type:	Not Installed		
Containment Sump Installed:			
Dispenser Sump Installed:	No		
Pipe Related Tank ID:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
---------	-------------------	-----------	------------------	----------------	------	----

Pipe Catastroph Leak Detect:

Pipe Aboveground Piping: No

Pipe Underground Piping: No

Pipe Construction Material:

Pipe Leak Test Method:

Pipe Corrosion Protection:

11	1 of 1	WNW	0.23 / 1,229.98	638.57 / -4	PARKSIDE MANAGEMENT CO 4848 N Lydell Ave Milwaukee WI 53217	UST
--------------------	--------	-----	--------------------	----------------	---	-----

License No: 116557
Facility Ref No: 116557|116557
Fire Dept ID: 4020
License Type: Registration
License: Storage Tank Registration
Expiration Date:
County Name: Milwaukee County
Municipality Name:

Tank Equipment Details

Licensee: Parkside Mgmt Co	Spill Protection: Not Installed
Tank ID: 303309	Overfill Protect: Not Installed
Tank Ref No: 303309 402004953	Date of Lining:
Equipment Wang ID: 402004953	Lining Inspect Dt:
Tank Type: Underground Storage Tank	CAS No:
Tank Status: Closed/Removed	Pipe Type:
Tank Contents: Leaded Gasoline	Pipe Status:
Capacity: 4000.00	Pipe Wall Type:
Install Date:	Pipe UST Manifold:
Construct Material: Bare Steel	Pipe System Type:
Wall Size:	Pipe Flex Connector:
Federal Regulated: Yes	Pipe Leak Detect:
Marketer: No	Latest Test Name:
Tank Occupancy: Retail Fuel Sales	Latest Test Date:
Leak Detection: Not Required	Latest Test Exp Date:
Leak Test Method:	
Corrosion Protection Type:	
Overfill Protection Type: Not Installed	
Containment Sump Installed:	
Dispenser Sump Installed: No	
Pipe Related Tank ID:	
Pipe Catastroph Leak Detect:	
Pipe Aboveground Piping: No	
Pipe Underground Piping: No	
Pipe Construction Material:	
Pipe Leak Test Method:	
Pipe Corrosion Protection:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
----------------	--------------------------	------------------	-------------------------	-----------------------	-------------	-----------

Tank Equipment Details

Licensee:	Parkside Mgmt Co	Spill Protection:	Not Installed
Tank ID:	303310	Overfill Protect:	Not Installed
Tank Ref No:	303310 402004954	Date of Lining:	
Equipment Wang ID:	402004954	Lining Inspect Dt:	
Tank Type:	Underground Storage Tank	CAS No:	
Tank Status:	Closed/Removed	Pipe Type:	
Tank Contents:	Leaded Gasoline	Pipe Status:	
Capacity:	8000.00	Pipe Wall Type:	
Install Date:		Pipe UST Manifold:	
Construct Material:	Bare Steel	Pipe System Type:	
Wall Size:		Pipe Flex Connector:	
Federal Regulated:	Yes	Pipe Leak Detect:	
Marketer:	No	Latest Test Name:	
Tank Occupancy:	Retail Fuel Sales	Latest Test Date:	
Leak Detection:	Groundwater Monitor	Latest Test Exp Date:	
Leak Test Method:			
Corrosion Protection Type:			
Overfill Protection Type:	Not Installed		
Containment Sump Installed:			
Dispenser Sump Installed:	No		
Pipe Related Tank ID:			
Pipe Catastroph Leak Detect:			
Pipe Aboveground Piping:	No		
Pipe Underground Piping:	No		
Pipe Construction Material:			
Pipe Leak Test Method:			
Pipe Corrosion Protection:			

Tank Equipment Details

Licensee:	Parkside Mgmt Co	Spill Protection:	Not Installed
Tank ID:	303312	Overfill Protect:	Not Installed
Tank Ref No:	303312 402004956	Date of Lining:	
Equipment Wang ID:	402004956	Lining Inspect Dt:	
Tank Type:	Underground Storage Tank	CAS No:	
Tank Status:	Closed/Removed	Pipe Type:	
Tank Contents:	Leaded Gasoline	Pipe Status:	
Capacity:	10000.00	Pipe Wall Type:	
Install Date:		Pipe UST Manifold:	
Construct Material:	Bare Steel	Pipe System Type:	
Wall Size:		Pipe Flex Connector:	
Federal Regulated:	Yes	Pipe Leak Detect:	
Marketer:	No	Latest Test Name:	
Tank Occupancy:	Retail Fuel Sales	Latest Test Date:	
Leak Detection:	Unknown	Latest Test Exp Date:	
Leak Test Method:			
Corrosion Protection Type:			
Overfill Protection Type:	Not Installed		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
----------------	--------------------------	------------------	-------------------------	-----------------------	-------------	-----------

Containment Sump Installed:

Dispenser Sump Installed: No

Pipe Related Tank ID:

Pipe Catastroph Leak Detect:

Pipe Aboveground Piping: No

Pipe Underground Piping: No

Pipe Construction Material:

Pipe Leak Test Method:

Pipe Corrosion Protection:

Tank Equipment Details

Licensee: Parkside Mgmt Co

Tank ID: 303343

Tank Ref No: 303343|402004987

Equipment Wang ID: 402004987

Tank Type: Underground Storage Tank

Tank Status: Closed/Removed

Tank Contents: Unknown

Capacity: 1111.00

Install Date:

Construct Material: Unknown

Wall Size:

Federal Regulated: Yes

Marketer: No

Tank Occupancy: Retail Fuel Sales

Leak Detection: Groundwater Monitor

Leak Test Method:

Corrosion Protection Type:

Overfill Protection Type: Not Installed

Containment Sump Installed:

Dispenser Sump Installed: No

Pipe Related Tank ID:

Pipe Catastroph Leak Detect:

Pipe Aboveground Piping: No

Pipe Underground Piping: No

Pipe Construction Material:

Pipe Leak Test Method:

Pipe Corrosion Protection:

Spill Protection: Not Installed

Overfill Protect: Not Installed

Date of Lining:

Lining Inspect Dt:

CAS No:

Pipe Type:

Pipe Status:

Pipe Wall Type:

Pipe UST Manifold:

Pipe System Type:

Pipe Flex Connector:

Pipe Leak Detect:

Latest Test Name:

Latest Test Date:

Latest Test Exp Date:

Tank Equipment Details

Licensee: Parkside Mgmt Co

Tank ID: 303311

Tank Ref No: 303311|402004955

Equipment Wang ID: 402004955

Tank Type: Underground Storage Tank

Tank Status: Closed/Removed

Tank Contents: Leaded Gasoline

Capacity: 10000.00

Spill Protection: Not Installed

Overfill Protect: Not Installed

Date of Lining:

Lining Inspect Dt:

CAS No:

Pipe Type:

Pipe Status:

Pipe Wall Type:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
----------------	--------------------------	------------------	-------------------------	-----------------------	-------------	-----------

Install Date:					Pipe UST Manifold:	
Construct Material:	Bare Steel				Pipe System Type:	
Wall Size:					Pipe Flex Connector:	
Federal Regulated:	Yes				Pipe Leak Detect:	
Marketer:	No				Latest Test Name:	
Tank Occupancy:	Retail Fuel Sales				Latest Test Date:	
Leak Detection:	Unknown				Latest Test Exp Date:	
Leak Test Method:						
Corrosion Protection Type:						
Overfill Protection Type:	Not Installed					
Containment Sump Installed:						
Dispenser Sump Installed:	No					
Pipe Related Tank ID:						
Pipe Catastroph Leak Detect:						
Pipe Aboveground Piping:	No					
Pipe Underground Piping:	No					
Pipe Construction Material:						
Pipe Leak Test Method:						
Pipe Corrosion Protection:						

Tank Equipment Details

Licensee:	Parkside Mgmt Co	Spill Protection:	Not Installed
Tank ID:	303342	Overfill Protect:	Not Installed
Tank Ref No:	303342 402004986	Date of Lining:	
Equipment Wang ID:	402004986	Lining Inspect Dt:	
Tank Type:	Underground Storage Tank	CAS No:	
Tank Status:	Closed/Removed	Pipe Type:	
Tank Contents:	Unknown	Pipe Status:	
Capacity:	1111.00	Pipe Wall Type:	
Install Date:		Pipe UST Manifold:	
Construct Material:	Unknown	Pipe System Type:	
Wall Size:		Pipe Flex Connector:	
Federal Regulated:	Yes	Pipe Leak Detect:	
Marketer:	No	Latest Test Name:	
Tank Occupancy:	Retail Fuel Sales	Latest Test Date:	
Leak Detection:	Groundwater Monitor	Latest Test Exp Date:	
Leak Test Method:			
Corrosion Protection Type:			
Overfill Protection Type:	Not Installed		
Containment Sump Installed:			
Dispenser Sump Installed:	No		
Pipe Related Tank ID:			
Pipe Catastroph Leak Detect:			
Pipe Aboveground Piping:	No		
Pipe Underground Piping:	No		
Pipe Construction Material:			
Pipe Leak Test Method:			
Pipe Corrosion Protection:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
---------	-------------------	-----------	------------------	----------------	------	----

Tank Equipment Details

Licensee:	Parkside Mgmt Co	Spill Protection:	Not Installed
Tank ID:	303341	Overfill Protect:	Not Installed
Tank Ref No:	303341 402004985	Date of Lining:	
Equipment Wang ID:	402004985	Lining Inspect Dt:	
Tank Type:	Underground Storage Tank	CAS No:	
Tank Status:	Closed/Removed	Pipe Type:	
Tank Contents:	Unknown	Pipe Status:	
Capacity:	1111.00	Pipe Wall Type:	
Install Date:		Pipe UST Manifold:	
Construct Material:	Unknown	Pipe System Type:	
Wall Size:		Pipe Flex Connector:	
Federal Regulated:	Yes	Pipe Leak Detect:	
Marketer:	No	Latest Test Name:	
Tank Occupancy:	Retail Fuel Sales	Latest Test Date:	
Leak Detection:	Groundwater Monitor	Latest Test Exp Date:	
Leak Test Method:			
Corrosion Protection Type:			
Overfill Protection Type:	Not Installed		
Containment Sump Installed:			
Dispenser Sump Installed:	No		
Pipe Related Tank ID:			
Pipe Catastroph Leak Detect:			
Pipe Aboveground Piping:	No		
Pipe Underground Piping:	No		
Pipe Construction Material:			
Pipe Leak Test Method:			
Pipe Corrosion Protection:			

12	1 of 1	NE	0.25 / 1,312.17	643.44 / 1	JOHN CRYCH 4931 N Diversey Blvd Whitefish Bay WI 53217	UST
--------------------	--------	----	--------------------	---------------	--	-----

License No:	95211
Facility Ref No:	95211 95211
Fire Dept ID:	4015
License Type:	Registration
License:	Storage Tank Registration
Expiration Date:	
County Name:	Milwaukee County
Municipality Name:	

Tank Equipment Details

Licensee:	John Grych	Spill Protection:	Not Installed
Tank ID:	298485	Overfill Protect:	Not Installed
Tank Ref No:	298485 401500365	Date of Lining:	
Equipment Wang ID:	401500365	Lining Inspect Dt:	
Tank Type:	Underground Storage Tank	CAS No:	
Tank Status:	Closed/Removed	Pipe Type:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Tank Contents:	Fuel Oil				Pipe Status:	
Capacity:	1000.00				Pipe Wall Type:	
Install Date:					Pipe UST Manifold:	
Construct Material:	Unknown				Pipe System Type:	
Wall Size:					Pipe Flex Connector:	
Federal Regulated:	No				Pipe Leak Detect:	
Marketer:	No				Latest Test Name:	
Tank Occupancy:	Residential				Latest Test Date:	
Leak Detection:	Unknown				Latest Test Exp Date:	
Leak Test Method:						
Corrosion Protection Type:						
Overfill Protection Type:	Not Installed					
Containment Sump Installed:						
Dispenser Sump Installed:	No					
Pipe Related Tank ID:						
Pipe Catastroph Leak Detect:						
Pipe Aboveground Piping:	No					
Pipe Underground Piping:	No					
Pipe Construction Material:						
Pipe Leak Test Method:						
Pipe Corrosion Protection:						

Unplottable Summary

Total: 13 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
BRRTS	STORM WATER DETENTION BASIN	CNR OF W OLIVE ST & N LYDELL A	GLENDALE WI	53217	827277160
DRYCLEANERS	One Hour Martinizing		Milwaukee (E. Hampton Ave.) WI		836807032
ERNS		CHICAGO NORTHWESTERN RAILYARD,119 W HAMPTON ST	MILWAUKEE WI		806765469
FINDS/FRS	WDNR LINCOLN CREEK DREDGING PROJECT	SWQ SEC 32 & SEQ SEC 31 T8N R22E (1031 W HAMPTON A	MILWAUKEE WI	53212	815841089
FINDS/FRS	WI DOT BRIDGE B40-360	W HAMPTON OVR USH 45	MILWAUKEE WI	53225	815858704
RCRA LQG	WI DOT BRIDGE B40-360	W HAMPTON OVR USH 45	MILWAUKEE WI	53225	862166400
SPILLS	LINCOLN PARK	MILWAUKEE RIVER PKWY/E HAMPTON	MILWAUKEE WI		822130846
SPILLS	STORM WATER DETENTION BASIN	CNR OF W OLIVE ST & N LYDELL A	GLENDALE WI	53217	822134400
SPILLS	W HAMPTON BTW N 38 & N 40TH ST	W HAMPTON BTW N 38 & N 40TH ST	MILWAUKEE WI		822133345
SPILLS	LINCOLN CREEK	N 63RD ST & W HAMPTON AVE	MILWAUKEE WI		822141677
SPILLS	LINCOLN CREEK AT W HAMPTON & N HOPKINS	LINCOLN CREEK AT W HAMPTON & N	MILWAUKEE WI		822142588

TIER 2
866691602-aa

LUTTER'S VILLAGE
SERVICE, INC.

4000 N. WILSON DR.

SHOREWOOD WI

53211

866691602

UST
812797741-aa

DAVID GREIF

6718 N Shoreland

Whitefish Bay WI

53217

812797741

Unplottable Report

Site: STORM WATER DETENTION BASIN
CNR OF W OLIVE ST & N LYDELL A GLENDALE WI 53217

BRRTS

Site ID: 13439800
County Code: 41
County: MILWAUKEE
Region: SOUTHEAST
Latitude:
Longitude:

Facility Activity Information

Detail Seq No:	543207	Risk Code:	N/A
Act Code:	320	Acres:	UNKNOWN
Activity Type:	REMOVED	Acres 100:	Yes
Status CD:	R	Juris:	DNR RR
Status:	REMOVED	NPL Flag:	No
Dcom No:	NONE	DCOM DB Track Flag:	No
Comm Occurrence ID:	NONE	PECFA Eligible Flag:	No
EPA CERCLIS ID:		AST Flag:	No
FID:	341113080	Drycleaner Flag:	No
Activity Name:	STORM WATER DETENTION BASIN	Co Contam Flag:	No
Activity No:	1041543207	PLSS:	?
Activity Display No:	10-41-543207	Geo Located Flag:	No
Start Date:	2005-03-15	GIS Registry Flag:	No
End Date:	2008-07-01	GIS Area Point Flag:	
Last Action:		Latitude:	
Activity Detail		Longitude:	
Address:			
Activity Comments:	ACTIVITY TYPE CHANGED ON 01-JUL-08. ORIGINAL ACTIVITY NO. WAS 04-41-543207 ***REASON REMOVED: REMOVE - DUPLICATE OF 04-41-546630		

Action Information

Action Date: 03/15/2005
Action Code: 1
Action Name: Spill Incident Occurred
Action Desc: Date the Spill occurred or the date reported to DNR if actual date unknown.
Action Comment:

Action Date: 03/15/2005
Action Code: 5
Action Name: Spill Reported to DNR
Action Desc: Date the DNR was notified of the Spill incident.
Action Comment:

Action Date: 05/31/2005
Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comment: SENT COST RECOVERY LTR

Substances Information

Substance Desc: Diesel Fuel
Spill Released Amt:
Spill Released Unit Code:

WHO Information

Org Flag: No
Role Desc: Project Manager
Full Name: TREVOR NOBILE
Address 1: 2300 N DR MARTIN LUTHER KING DR
Address 2:
City: MILWAUKEE

State Abbr: WI
Postal Code: 53212
Composite Address: MILWAUKEE, WI 53212
Country Name: UNITED STATES
Email: trevor.nobile@wisconsin.gov

Org Flag: No
Role Desc: Responsible Party
Full Name: PERSONAL INFORMATION WITHHELD
Address 1: 4160 N PORT WASHINGTON RD
Address 2:
City: GLENDALE

State Abbr: WI
Postal Code:
Composite Address: GLENDALE, WI
Country Name: UNITED STATES
Email: NA

Org Flag: No
Role Desc: DNR File Contact
Full Name: JENNIFER DORMAN
Address 1: 2300 N DR MARTIN LUTHER KING JR DR
Address 2:
City: MILWAUKEE

State Abbr: WI
Postal Code: 53212
Composite Address: MILWAUKEE, WI 53212
Country Name: UNITED STATES
Email: jennifer.dorman@wisconsin.gov

Site: **One Hour Martinizing**
Milwaukee (E. Hampton Ave.) WI

DRYCLEANERS

Owner:
Phone:

Site: **CHICAGO NORTHWESTERN RAILYARD,119 W HAMPTON ST MILWAUKEE WI**

ERNS

NRC Report No: 182878
Type of Incident: RAILROAD
Incident Cause: UNKNOWN
Incident Date: 6/26/1993 3:00:00 PM
Incident Location:
Incident Dtg: DISCOVERED
Distance From City:
Distance Units:
Description of Incident: VALVE ON BOTTOM OF RAIL TANK CAR / LEAK DUE TO UNKNOWN CAUSES

Direction From City:
Lat Quad:
Long Quad:
Location Section:
Location Township:
Location Range:
Potential Flag:
Year: Calendar Year 1993

Calls Information

Date Time Received: 6/26/1993 4:28:42 PM
Date Time Complete: 6/26/1993 4:36:03 PM
Call Type: INC
Responsible Company:
Responsible ORG UNKNOWN
Type:

Responsible City:
Responsible State: XX
Responsible Zip:
On Behalf of:
Source: UNAVAILABLE

Incidents Information

Aircraft Type: UNKNOWN
Aircraft Model:
Aircraft ID:
Aircraft Fuel Capacity:
Aircraft Fuel Capacity Units:
Aircraft Fuel on Board:
Aircraft Fuel OB Units:
Aircraft Spot No:
Aircraft Hanger:
Aircraft Runway No:
Road Mile Marker:

Building ID:	
Type of Fixed Object:	UNKNOWN
Power Generating Facility:	U
Generating Capacity:	
Type of Fuel:	
NPDES:	
NPDES Compliance:	U
Pipeline Type:	UNKNOWN
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	U
Pipeline Covered:	U
Railroad Hotline:	No
Grade Crossing:	N
Location Subdivision:	
Railroad Milepost:	UNKNOWN
Type Vehicle Involved:	UNKNOWN
Crossing Device Type:	
Device Operational:	Y
Dot Crossing No:	
Brake Failure:	N
Description of Tank:	
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	
Tank ID:	
Capacity of Tank:	
Capacity of Tank Units:	
Actual Amount:	
Actual Amount Units:	
Platform Rig Name:	
Platform Letter:	
Location Area ID:	
Location Block ID:	
OCSG No:	
OCSG No:	
State Lease No:	
Pier Dock No:	
Berth Slip No:	
Continuous Release Type:	
Initial Cont Release No:	
Continuous Release Permit:	
Allision:	N
Type of Structure:	
Structure Name:	
Structure Operational:	Y
Airbag Deployed:	
Date Time Normal Service:	
Service Disruption Time:	
Service Disruption Units:	
Transit Bus Flag:	
CR Begin Date:	
CR End Date:	
CR Change Date:	
FBI Contact:	
FBI Contact Date Time:	
Sub Part C Testing Req:	XXX
Conductor Testing:	
Engineer Testing:	
Trainman Testing:	
Yard Foreman Testing:	
RCL Operator Testing:	
Brakeman Testing:	
Train Dispatcher Testing:	
Signalman Testing:	
Other Employee Testing:	
Unknown Testing:	
Passenger Handling:	
Passenger Route:	XXX

Passenger Delay: XXX

Incident Details Information

Fire Involved: N
Fire Extinguished: U
Any Evacuations: N
Number Evacuated:
Who Evacuated:
Radius Of Evacuation:
Any Injuries: U
No. Injured:
No. Hospitalized:
Any Fatalities: U
No. Fatalities:
Any Damages: N
Damage Amount:
Air Corridor Closed: N
Air Corridor Desc:
Air Closure Time:
Waterway Closed: N
Waterway Desc:
Waterway Closure Time:
Road Closed: N
Road Desc:
Road Closure Time:
Closure Direction:
Major Artery: No
Track Closed: N
Track Desc:
Track Closure Time:
Media Interest:
Medium Desc: RAIL REPORT (N/A)
Additional Medium Info:
Body of Water:
Tributary of:
Nearest River Mile Maker:
Release Secured: U
Est Duration of Release:
Release Rate:
Desc Remedial Action: NONE^^
State Agency on Scene:
State Agency Report No:
Other Agency Notified:
Weather Conditions:
Air Temperature:
Wind Speed:
Wind Direction:
Water Supply Contaminated: U
Sheen Size:
Sheen Color:
Direction of Sheen Travel:
Sheen Odor Description:
Wave Condition:
Current Speed:
Current Direction:
Water Temperature:
Track Close Dir:
EMPL Fatality:
Pass Fatality:
Community Impact: N
Wind Speed Unit:
Employee Injuries:
Passenger Injuries:
Occupant Fatality:
Current Speed Unit:
Road Closure Units:
Track Closure Units:
Sheen Size Units:

Additional Info: RELEASED APPROX 10 GAL OF HEPTANE/ALL RELEASED INTO CONTAINMENTBUCKETS PLACED UNDER TRAIN
State Agency Notified:
Federal Agency Notified:
Nearest River Mile Marker:
Sheen Size Length:
Sheen Size Length Units:
Sheen Size Width:
Sheen Size Width Units:
Offshore: N
Duration Unit:
Release Rate Unit:
Release Rate Rate:
Passengers Transferred: UNK

Site: **WDNR LINCOLN CREEK DREDGING PROJECT**
SWQ SEC 32 & SEQ SEC 31 T8N R22E (1031 W HAMPTON A MILWAUKEE WI 53212

[FINDS/FRS](#)

Registry ID: 110045528853
FIPS Code: 55079
Program Acronyms: WI-ESR
HUC Code:
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 18-MAY-2012 12:36:43
Update Date:
Interest Types: STATE MASTER
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor:
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No.:
Census Block Code:
EPA Region Code: 05
County Name: MILWAUKEE
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110045528853

Site: **WI DOT BRIDGE B40-360**
W HAMPTON OVR USH 45 MILWAUKEE WI 53225

[FINDS/FRS](#)

Registry ID: 110042297485
FIPS Code: 55079
Program Acronyms: BR, RCRAINFO, WI-ESR
HUC Code:
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 01-NOV-2010 21:26:21
Update Date: 28-MAR-2014 20:31:26
Interest Types: HAZARDOUS WASTE BIENNIAL REPORTER, LQG, STATE MASTER
SIC Codes:
SIC Code Descriptions:
NAICS Codes: 926120

NAICS Code Descriptions: REGULATION AND ADMINISTRATION OF TRANSPORTATION PROGRAMS.
Conveyor:
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No.:
Census Block Code:
EPA Region Code: 05
County Name: MILWAUKEE
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110042297485

Site: **WI DOT BRIDGE B40-360**
W HAMPTON OVR USH 45 MILWAUKEE WI 53225

[RCRA LQG](#)

EPA Handler ID: WIR000113514
Gen Status Universe: Large Quantity Generator
Contact Name: ANDREW MALSON
Contact Address: 141 NW BARSTOW ST, , WAUKESHA, WI, 53187, US
Contact Phone No and Ext: 262-548-6705
Contact Email: ANDREW.MALSOM@DOT.WI.GOV
Contact Country: US
EPA Region: 05
County Name: MILWAUKEE
Land Type: State
Receive Date: 20170629

Violation/Evaluation Summary

Note: NO RECORDS: As of May 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Site: **LINCOLN PARK**
MILWAUKEE RIVER PKWY/E HAMPTON MILWAUKEE WI

[SPILLS](#)

Site ID: 50045641
BRRTS No:
County Code: 41
County: MILWAUKEE
Region: SOUTHEAST

Latitude:
Longitude:

Facility Activity Information

Detail Seq No:	558847	Acres:	UNKNOWN
Act Code:	350	Acres 100:	Yes
Activity Type:	SPILL	Juris:	DNR RR
FID:	NONE	NPL Flag:	No
Activity Name:	SCHNEIDER EXCAVATING SPILL	DCOM DB Track Flag:	No
Activity No:	0441558847	PECFA Eligible Flag:	No
Activity Display No:	04-41-558847	AST Flag:	No
Start Date:	2012-01-26	Drycleaner Flag:	No
End Date:	2012-06-04	Co-contam Flag:	No
Status Cd:	C	PLSS:	? 1/4 of the ? 1/4 of Sec 0, T?N, R??
Status:	CLOSED	Geo Located Flag:	No
Last Action:	2012-10-07	Gis Registry Flag:	No
DCOM No:	NONE	Gis Area Point Flag:	
Comm Occurrence ID:	NONE	Latitude:	
EPA CERCLIS ID:		Longitude:	
Risk Code:	N/A		
Activity Detail Address:	NEAR INTERSEC OF E HAMPTON AVE & MILWAUKEE RIVER PKWY		
Activity Comments:	*** AUTO-POPULATED FROM SPILL SERTS SYSTEM. SPILL ID: 20120126SE41-1 ***		

Action Information

Action Date:	10/07/2012 9:00:32 PM	Action Name:	Spills QA/QC Completed
Action Code:	999		
Action Desc:	Date the QA/QC Review of this Spill Activity was completed.		
Action Comment:			
Action Date:	01/26/2012	Action Name:	Spill Incident Occurred
Action Code:	1		
Action Desc:	Date the Spill occurred or the date reported to DNR if actual date unknown.		
Action Comment:	EXACT DATE UNKNOWN		
Action Date:	06/04/2012	Action Name:	Spill Closed
Action Code:	11		
Action Desc:	No further action; RP is not required to conduct NR716 investigation.		
Action Comment:			
Action Date:	01/26/2012	Action Name:	Spill Reported to DNR
Action Code:	5		
Action Desc:	Date the DNR was notified of the Spill incident.		
Action Comment:			

Impacts Information

Impact Seq No:	570069	Potential Flag:	No
Impact Code:	05	Impact Comment:	Soil Contamination

Spill Details Information

Spill Seq No:	550742		
Spill File No:	20120126SE41-1		
Incident Time:	01/26/2012		
Reported Time:	01/26/2012		
Physical Char Code:			
Physical Char Desc:			
Physical Color:			
Physical Odor:			
Resource Damage Flag:	N		
DNR NOTIF Immediate Flag:	No		
DNR Investigator:	S FERGUSON		
Spill Cause:	VANDALS OPENED FUEL LINE VALVE ON EQUIPMENT USED AS PART OF THE LINCOLN CREEK CLEANUP PROJECT		
Spill Source Code:	09		

Spill Source Desc: Public Prop/Residence (Fed/St/Cnty/City/Twn Ofcs/Bldgs/Grnd)
Spill Source Comment: Improper Disposal
Resource Damage Comment:
Spill Comment:

Spiller Actions Information

Spiller Action Code: 09
Spiller Action Desc: Cleanup Method - Excavation
Spiller Action Comment:

Substances Information

Substance Desc: Diesel Fuel
Spill Released Amt: 159
Spill Released Unit Code: Gal

WHO Information

Org Flag: Yes
Role Desc: Responsible Party
Full Name: SCHNEIDER EXCAVATING
Address 1: 20079 W MAIN ST
Address 2: PO BOX 92
City: LANNON

State Abbr: WI
Postal Code: 53046
Composite Address: LANNON, WI 53046
Country Name: UNITED STATES
Email: NA

Org Flag: No
Role Desc: Project Manager
Full Name: TREVOR NOBILE
Address 1: 2300 N DR MARTIN LUTHER KING DR
Address 2:
City: MILWAUKEE

State Abbr: WI
Postal Code: 53212
Composite Address: MILWAUKEE, WI 53212
Country Name: UNITED STATES
Email: trevor.nobile@wisconsin.gov

Site: **STORM WATER DETENTION BASIN
CNR OF W OLIVE ST & N LYDELL A GLENDALE WI 53217**

SPILLS

Site ID: 13439800
BRRTS No:
County Code: 41
County: MILWAUKEE
Region: SOUTHEAST
Latitude:
Longitude:

Facility Activity Information

Detail Seq No: 546630
Act Code: 350
Activity Type: SPILL
FID: 341113080
Activity Name: STORM WATER DETENTION BASIN
Activity No: 0441546630
Activity Display No: 04-41-546630
Start Date: 2005-03-14
End Date: 2008-06-24
Status Cd: C
Status: CLOSED
Last Action: 2008-06-24
DCOM No: NONE
Comm Occurrence ID: NONE
EPA CERCLIS ID:
Risk Code: N/A
Activity Detail Address: SW CNR OF POND
Activity Comments:

Acres: UNKNOWN
Acres 100: Yes
Juris: DNR RR
NPL Flag: No
DCOM DB Track Flag: No
PECFA Eligible Flag: No
AST Flag: No
Drycleaner Flag: No
Co-contam Flag: No
PLSS: ? 1/4 of the ? 1/4 of Sec ?, T?N, R??
Geo Located Flag: No
Gis Registry Flag: No
Gis Area Point Flag:
Latitude:
Longitude:

Action Information

Action Date: 03/14/2005 **Action Name:** Spill Reported to DNR
Action Code: 5
Action Desc: Date the DNR was notified of the Spill incident.
Action Comment:

Action Date: 06/24/2008 **Action Name:** Spill Closed
Action Code: 11
Action Desc: No further action; RP is not required to conduct NR716 investigation.
Action Comment:

Action Date: 03/14/2005 **Action Name:** Spill Incident Occurred
Action Code: 1
Action Desc: Date the Spill occurred or the date reported to DNR if actual date unknown.
Action Comment:

Impacts Information

Impact Seq No: 549115 **Potential Flag:**
Impact Code: 11 **Impact Comment:** Storm Sewer Contamination

Spill Details Information

Spill Seq No: 544337
Spill File No:
Incident Time: 03/14/2005 11:15:00 AM
Reported Time: 03/14/2005 11:28:00 AM
Physical Char Code:
Physical Char Desc:
Physical Color:
Physical Odor:
Resource Damage Flag:
DNR NOTIF Immediate Flag:
DNR Investigator:
Spill Cause: UNKNOWN
Spill Source Code: 09
Spill Source Desc: Public Prop/Residence (Fed/St/Cnty/City/Twn Ofcs/Bldgs/Grnd)
Spill Source Comment: CITY STORM WATER BASIN
Resource Damage Comment:
Spill Comment:

Spiller Actions Information

Spiller Action Code: 07
Spiller Action Desc: Contractor Hired
Spiller Action Comment: ONYX

Substances Information

Substance Desc: Gasoline - Unleaded and Leaded
Spill Released Amt: 15
Spill Released Unit Code: Gal

WHO Information

Org Flag: No **State Abbr:** WI
Role Desc: Responsible Party **Postal Code:**
Full Name: PERSONAL INFORMATION WITHHELD **Composite Address:** GLENDALE, WI
Address 1: 4160 N PORT WASHINGTON RD **Country Name:** UNITED STATES
Address 2: **Email:** NA
City: GLENDALE

Org Flag: No **State Abbr:** WI
Role Desc: Project Manager **Postal Code:** 53212
Full Name: TREVOR NOBILE **Composite Address:** MILWAUKEE, WI 53212

Address 1: 2300 N DR MARTIN LUTHER KING DR
Address 2: MILWAUKEE
City:

Country Name: UNITED STATES
Email: trevor.nobile@wisconsin.gov

Site: W HAMPTON BTW N 38 & N 40TH ST
W HAMPTON BTW N 38 & N 40TH ST MILWAUKEE WI

SPILLS

Site ID: 5250500
BRRTS No:
County Code: 41
County: MILWAUKEE
Region: SOUTHEAST
Latitude:
Longitude:

Facility Activity Information

Detail Seq No: 46095	Acres: UNKNOWN
Act Code: 350	Acres 100: Yes
Activity Type: SPILL	Juris: DNR RR
FID: NONE	NPL Flag: No
Activity Name: W HAMPTON BTW N 38TH & N 40TH ST [HISTORIC]	DCOM DB Track Flag: No
Activity No: 0441046095	PECFA Eligible Flag: No
Activity Display No: 04-41-046095	AST Flag: No
Start Date: 1991-07-25	Drycleaner Flag: No
End Date:	Co-contam Flag: No
Status Cd: H	PLSS: ? 1/4 of the ? 1/4 of Sec ?, T?N, R??
Status: HISTORIC SPILL	Geo Located Flag: No
Last Action: 1991-07-25	Gis Registry Flag: No
DCOM No: NONE	Gis Area Point Flag:
Comm Occurrence ID: NONE	Latitude:
EPA CERCLIS ID:	Longitude:
Risk Code: N/A	
Activity Detail Address:	
Activity Comments:	OLD SPILL ID: 910725-02 HISTORIC SPILL. FURTHER ACTION MAY NOT BE NECESSARY. PLEASE CONTACT DNR SPILL COORDINATOR IN SE REGION FOR FILE INFORMATION.

Action Information

Action Date: 07/25/1991	Action Name: Spill Incident Occurred
Action Code: 1	
Action Desc: Date the Spill occurred or the date reported to DNR if actual date unknown.	
Action Comment: Auto populated via migration process	
Action Date: 07/25/1991	Action Name: Historic Spill
Action Code: 777	
Action Desc: This is a historic Spill Activity. Please contact DNR for file information.	
Action Comment:	
Action Date: 07/25/1991	Action Name: Spill Reported to DNR
Action Code: 5	
Action Desc: Date the DNR was notified of the Spill incident.	
Action Comment:	

Impacts Information

Impact Seq No: 130014	Potential Flag:
Impact Code: 11	Impact Comment: Storm Sewer Contamination

Spill Details Information

Spill Seq No: 46095
Spill File No:
Incident Time: 07/25/1991 9:00:00 AM
Reported Time:

Physical Char Code:
Physical Char Desc:
Physical Color:
Physical Odor:
Resource Damage Flag:
DNR NOTIF Immediate Flag: Yes
DNR Investigator:
Spill Cause: BACK HOE HYDRAULIC LINE BROKE
Spill Source Code: 09
Spill Source Desc: Public Prop/Residence (Fed/St/Cnty/City/Twn Ofcs/Bldgs/Grnd)
Spill Source Comment:
Resource Damage Comment:
Spill Comment: MILWAUKEE FIRE DEPT. FLUSHED OIL DOWN STORM SEWER

Spiller Actions Information

Spiller Action Code: 01
Spiller Action Desc: No Action Taken
Spiller Action Comment: STORM SEWER

Substances Information

Substance Desc: Petroleum - Unknown Type
Spill Released Amt: 25
Spill Released Unit Code: G

WHO Information

Org Flag:	Yes	State Abbr:	WI
Role Desc:	Responsible Party	Postal Code:	53202
Full Name:	MILWAUKEE CITY DEPT OF PUBLIC WORKS	Composite Address:	MILWAUKEE, WI 53202
Address 1:	841 N BROADWAY	Country Name:	UNITED STATES
Address 2:	RM 501	Email:	NA
City:	MILWAUKEE		

Site: **LINCOLN CREEK**
N 63RD ST & W HAMPTON AVE MILWAUKEE WI

SPILLS

Site ID: 50009040
BRRTS No:
County Code: 41
County: MILWAUKEE
Region: SOUTHEAST
Latitude:
Longitude:

Facility Activity Information

Detail Seq No:	551874	Acres:	UNKNOWN
Act Code:	350	Acres 100:	Yes
Activity Type:	SPILL	Juris:	DNR RR
FID:	NONE	NPL Flag:	No
Activity Name:	N 63RD ST & W HAMPTON AVE SPILL	DCOM DB Track Flag:	No
Activity No:	0441551874	PECFA Eligible Flag:	No
Activity Display No:	04-41-551874	AST Flag:	No
Start Date:	2008-06-26	Drycleaner Flag:	No
End Date:	2008-07-02	Co-contam Flag:	No
Status Cd:	C	PLSS:	? 1/4 of the ? 1/4 of Sec 0, T?N, R??
Status:	CLOSED	Geo Located Flag:	No
Last Action:	2009-03-31	Gis Registry Flag:	No
DCOM No:	NONE	Gis Area Point Flag:	
Comm Occurrence ID:	NONE	Latitude:	
EPA CERCLIS ID:		Longitude:	
Risk Code:	N/A		
Activity Detail Address:			

Activity Comments:

*** AUTO-POPULATED FROM SPILL SERTS SYSTEM. SPILL ID: 20080626SE41-1 ***

Action Information

Action Date: 03/31/2009 9:09:16 PM **Action Name:** Spills QA/QC Completed
Action Code: 999
Action Desc: Date the QA/QC Review of this Spill Activity was completed.
Action Comment:

Action Date: 07/02/2008 **Action Name:** Spill Closed
Action Code: 11
Action Desc: No further action; RP is not required to conduct NR716 investigation.
Action Comment:

Action Date: 06/26/2008 **Action Name:** Spill Incident Occurred
Action Code: 1
Action Desc: Date the Spill occurred or the date reported to DNR if actual date unknown.
Action Comment:

Action Date: 06/26/2008 **Action Name:** Spill Reported to DNR
Action Code: 5
Action Desc: Date the DNR was notified of the Spill incident.
Action Comment:

Impacts Information

Impact Seq No: 557183 **Potential Flag:** No
Impact Code: 07 **Impact Comment:** Surface Water Contamination

Spill Details Information

Spill Seq No: 547022
Spill File No: 20080626SE41-1
Incident Time: 06/26/2008
Reported Time: 06/26/2008
Physical Char Code:
Physical Char Desc:
Physical Color:
Physical Odor:
Resource Damage Flag: N
DNR NOTIF Immediate Flag: No
DNR Investigator: L FOX
Spill Cause: DYE TESTING OF SEWERS
Spill Source Code: 26
Spill Source Desc: Surface Water (Lake/Harbor/Marina/River/Stream/Pond/Wetlnd)
Spill Source Comment: DYE TESTING SEWERS
Resource Damage Comment:
Spill Comment: LARRY FOX INSPECTED THE SITE AND DETERMINED THAT SOMEONE HAD USED A FLUORESCENT GREEN DYE APPARENTLY CHECKING SEWER CONNECTIONS. THIS GREEN DYE WAS PRESENT IN LINCOLN CREEK AND WAS DISCHARGING FROM AN OUTFALL UNDER THE BRIDGE THAT IS ON HAMPTON AVENUE. THIS SPILL CAN BE CLOSED.

Spiller Actions Information

Spiller Action Code: 02
Spiller Action Desc: No Action Needed
Spiller Action Comment:

Substances Information

Substance Desc: Paints, Inks and Dyes
Spill Released Amt: 0
Spill Released Unit Code: Gal

WHO Information

Org Flag: No
Role Desc: Project Manager
Full Name: TREVOR NOBILE
Address 1: 2300 N DR MARTIN LUTHER KING DR
Address 2:
City: MILWAUKEE

State Abbr: WI
Postal Code: 53212
Composite Address: MILWAUKEE, WI 53212
Country Name: UNITED STATES
Email: trevor.nobile@wisconsin.gov

Org Flag: Yes
Role Desc: Responsible Party
Full Name: UNKNOWN
Address 1: UNKNOWN
Address 2:
City: UNKNOWN

State Abbr:
Postal Code:
Composite Address: UNKNOWN,
Country Name: UNITED STATES
Email: NA

Site: LINCOLN CREEK AT W HAMPTON & N HOPKINS
LINCOLN CREEK AT W HAMPTON & N MILWAUKEE WI

SPILLS

Site ID: 5957100
BRRTS No:
County Code: 41
County: MILWAUKEE
Region: SOUTHEAST
Latitude:
Longitude:

Facility Activity Information

Detail Seq No: 37912
Act Code: 350
Activity Type: SPILL
FID: NONE
Activity Name: LINCOLN CREEK @ W HAMPTON & N HOPKINS
Activity No: 0441037912
Activity Display No: 04-41-037912
Start Date: 1980-03-02
End Date:
Status Cd: H
Status: HISTORIC SPILL
Last Action: 1980-03-02
DCOM No: NONE
Comm Occurrence ID: NONE
EPA CERCLIS ID:
Risk Code: N/A

Acres: UNKNOWN
Acres 100: Yes
Juris: DNR RR
NPL Flag: No
DCOM DB Track Flag: No
PECFA Eligible Flag: No
AST Flag: No
Drycleaner Flag: No
Co-contam Flag: No
PLSS: ? 1/4 of the ? 1/4 of Sec ?, T?N, R??
Geo Located Flag: No
Gis Registry Flag: No
Gis Area Point Flag:
Latitude:
Longitude:

Activity Detail Address:
Activity Comments: OLD SPILL ID: 800302-03 HISTORIC SPILL. FURTHER ACTION MAY NOT BE NECESSARY. PLEASE CONTACT DNR SPILL COORDINATOR IN SE REGION FOR FILE INFORMATION.

Action Information

Action Date: 03/02/1980
Action Code: 777
Action Desc: This is a historic Spill Activity. Please contact DNR for file information.
Action Comment:

Action Name: Historic Spill

Action Date: 03/02/1980
Action Code: 5
Action Desc: Date the DNR was notified of the Spill incident.
Action Comment:

Action Name: Spill Reported to DNR

Action Date: 03/02/1980
Action Code: 1
Action Desc: Date the Spill occurred or the date reported to DNR if actual date unknown.
Action Comment: Auto populated via migration process

Action Name: Spill Incident Occurred

Spill Details Information

Spill Seq No: 37912
Spill File No:
Incident Time: 03/02/1980
Reported Time:
Physical Char Code:
Physical Char Desc:
Physical Color:
Physical Odor:
Resource Damage Flag:
DNR NOTIF Immediate Flag:
DNR Investigator:
Spill Cause:
Spill Source Code: 15
Spill Source Desc: Other
Spill Source Comment:
Resource Damage Comment:
Spill Comment:

Spiller Actions Information

Spiller Action Code: 01
Spiller Action Desc: No Action Taken
Spiller Action Comment: SURFACE WATER

Site: LUTTER'S VILLAGE SERVICE, INC.
4000 N. WILSON DR. SHOREWOOD WI 53211

TIER 2

Facility ID: 158572
Facility Status: INACTIVE
Facility Type: Facility
Company Name:
NAICS: 447190
No of Chemicals: 1
No of EHS Chemicals: 0
No of EHS More Than TPQ CH: 0
Avg Daily Amt Unit: lbs
Country: US

Tier 2 Facilities Details

CAS No:	8006619	Is Delayed Hazard:	No
Chemical Name:	GASOLINE	Is Explosive:	No
No of Days Onsite:	365	Is Flammable:	No
Max Daily Amount:	68000	Is Physical NNOC:	No
Is Pure:	No	Organic Peroxide:	No
Is EHS:	No	Is Oxidizer:	No
EHS Name:		Is Pyrophoric Gas:	No
Is Mix:	Yes	Is Self Heating:	No
Is Solid State:	No	Is Self Reactive:	No
Is Liquid State:	Yes	Is Acute Toxicity:	No
Is Reactive Haz:	No	Is Aspiration Haz:	No
Is Immediate Haz:	No	Is Carcinogenic:	No
Combustible Dust:	No	Is Health HNOC:	No
Sudden Release of Pressure:	Yes		
Corrosive to Metal:	No		
Gas Under Pressure:	No		
Emission of Gas with Water:	No		
Is Pyrophoric Liquid or Solid:	No		
Is Germ Cell Mutagenicity:	No		
Is Reproductive Toxicity:	No		
Respiratory or Skin Sensitive:	No		
Serious Eye Damage/Irritation:	No		
Is Simple Asphyxiant:	No		
Is Skin Corrosion or Irritation:	No		
Is Specific Target Organ Toxic:	No		

Site: DAVID GREIF
6718 N Shoreland Whitefish Bay WI 53217

UST

License No: 67540
Facility Ref No: 67540|67540
Fire Dept ID: 4015
License Type: Registration
License: Storage Tank Registration
Expiration Date:
County Name: Milwaukee County
Municipality Name:

Tank Equipment Details

Licensee:	David Greif	Spill Protection:	Not Installed
Tank ID:	308344	Overfill Protect:	Not Installed
Tank Ref No:	308344 402600372	Date of Lining:	
Equipment Wang ID:	402600372	Lining Inspect Dt:	
Tank Type:	Underground Storage Tank	CAS No:	
Tank Status:	Closed/Removed	Pipe Type:	
Tank Contents:	Fuel Oil	Pipe Status:	
Capacity:	1000.00	Pipe Wall Type:	
Install Date:		Pipe UST Manifold:	
Construct Material:	Coated Steel	Pipe System Type:	
Wall Size:		Pipe Flex Connector:	
Federal Regulated:	No	Pipe Leak Detect:	
Marketer:	No	Latest Test Name:	
Tank Occupancy:	Residential	Latest Test Date:	
Leak Detection:	Unknown	Latest Test Exp Date:	
Leak Test Method:			
Corrosion Protection Type:			
Overfill Protection Type:	Not Installed		
Containment Sump Installed:			
Dispenser Sump Installed:	No		
Pipe Related Tank ID:			
Pipe Catastroph Leak Detect:			
Pipe Aboveground Piping:	No		
Pipe Underground Piping:	No		
Pipe Construction Material:			
Pipe Leak Test Method:			
Pipe Corrosion Protection:			

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

National Priority List:

NPL

National Priorities List (Superfund)-NPL: EPA's (United States Environmental Protection Agency) list of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action.

Government Publication Date: Jul 3, 2018

National Priority List - Proposed:

PROPOSED NPL

Includes sites proposed (by the EPA, the state, or concerned citizens) for addition to the NPL due to contamination by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

Government Publication Date: Jul 3, 2018

Deleted NPL:

DELETED NPL

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Government Publication Date: Jul 3, 2018

SEMS List 8R Active Site Inventory:

SEMS

The Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted.

Government Publication Date: Apr 11, 2018

SEMS List 8R Archive Sites:

SEMS ARCHIVE

The Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

Government Publication Date: Apr 11, 2018

Inventory of Open Dumps, June 1985:

ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS:

CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands:

IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned:

CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens:

CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action:

RCRA CORRACTS

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Apr 12, 2018

RCRA non-CORRACTS TSD Facilities:

RCRA TSD

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Government Publication Date: Apr 12, 2018

RCRA Generator List:

RCRA LQG

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Apr 12, 2018

RCRA Small Quantity Generators List:

RCRA SQG

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Apr 12, 2018

RCRA Conditionally Exempt Small Quantity Generators List:

[RCRA CESQG](#)

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Conditionally Exempt Small Quantity Generators (CESQG) generate 100 kilograms or less per month of hazardous waste or one kilogram or less per month of acutely hazardous waste.

Government Publication Date: Apr 12, 2018

RCRA Non-Generators:

[RCRA NON GEN](#)

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Apr 12, 2018

Federal Engineering Controls-ECs:

[FED ENG](#)

Engineering controls (ECs) encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 20, 2016

Federal Institutional Controls- ICs:

[FED INST](#)

Institutional controls are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's (United States Environmental Protection Agency) expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site.

Government Publication Date: Jan 20, 2016

Emergency Response Notification System:

[ERNS 1982 TO 1986](#)

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System:

[ERNS 1987 TO 1989](#)

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System:

[ERNS](#)

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Feb 8, 2017

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database:

[FED BROWNFIELDS](#)

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Feb 20, 2018

FEMA Underground Storage Tank Listing:

FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

LIEN on Property:

SEMS LIEN

The EPA Superfund Enterprise Management System (SEMS) provides LIEN information on properties under the EPA Superfund Program.

Government Publication Date: Apr 11, 2018

Superfund Decision Documents:

SUPERFUND ROD

This database contains a listing of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD), along with other associated memos and files. This information is maintained and made available by the US EPA (Environmental Protection Agency).

Government Publication Date: Apr 11, 2018

State

Hazard Ranking List:

SHWS

Last published in 1994, this is a list of sites which were investigated by the Department of Natural Resources (DNR) under the Wisconsin Environmental Repair Law. Hazard ranking of a site or facility was performed to determine if the site or facility presents a substantial danger to the public health, or welfare, or the environment. The DNR Bureau for Remediation and Redevelopment now maintains other programs for the investigation and cleanup of potential and confirmed contamination to soil and groundwater in Wisconsin. This database is state equivalent CERCLIS.

Government Publication Date: July 1994

Licensed Solid Waste Landfills:

SWF/LF

List of licensed solid waste landfills in the state of Wisconsin as recorded by the Department of Natural Resources (DNR). The DNR regulates landfills to prevent negative impacts to people and the environment. DNR staff inspect landfills regularly.

Government Publication Date: Apr 18, 2018

The Historic Registry of Waste Disposal Sites:

WDS

Prior to development of on-line databases, the Wisconsin Department of Natural Resources (DNR) provided public information about old waste disposal facilities in a printed publication called the Historic Registry of Waste Disposal Sites (the "Registry").

Government Publication Date: Jul 22, 2013

Solid & Hazardous Waste Information Management System:

SHWIMS

List of sites and facilities in the Solid and Hazardous Waste Information System (SHWIMS) regulated by the Wisconsin Department of Natural Resources (DNR) Waste and Materials Management (WMM) program. Activities that occur at site facilities include landfill operation, waste transportation, hazardous waste generation, wood burning, waste processing, sharps collection and many more.

Government Publication Date: Jul 12, 2018

Leaking Underground Storage Tanks:

LUST

List of Leaking Underground Storage Tank (LUST) sites as recorded by the Department of Natural Resources (DNR). When petroleum products are released from underground tanks into the soil or groundwater, the DNR will work with the responsible party and environmental professionals to clean up the spill to state standards.

Government Publication Date: May 1, 2018

Leaking Aboveground Storage Tanks:

LAST

List of Leaking Aboveground Storage Tank (LAST) sites as recorded by the Department of Natural Resources (DNR). When petroleum products are released from tanks into the soil or groundwater, the DNR will work with the responsible party and environmental professionals to clean up the spill to state standards.

Government Publication Date: May 1, 2018

Underground Storage Tanks:

UST

List of underground storage tank locations regulated by the Storage Tank Regulation Section of the Wisconsin Department of Agriculture, Trade, and Consumer Protection. Regulation and administration is outlined in the Wisconsin Administrative Code SPS 310 - Flammable and Combustible Liquids.

Aboveground Storage Tanks:

[AST](#)

List of aboveground storage tanks regulated by the Storage Tank Regulation Section of the Wisconsin Department of Agriculture, Trade, and Consumer Protection. Regulation and administration is outlined in the Wisconsin Administrative Code SPS 310 - Flammable and Combustible Liquids.

Government Publication Date: May 9, 2018

Delisted Storage Tanks:

[DEL STORAGE TANK](#)

This database contains a list of closed storage tank sites that were removed from the storage tank database regulated by the Storage Tank Regulation Section of the Wisconsin Department of Agriculture, Trade, and Consumer Protection.

Government Publication Date: May 09, 2018

Delisted Leaking Tanks:

[DELISTED LST](#)

This database contains a list of closed leaking tank sites that were removed from the leaking tank database regulated by the Storage Tank Regulation Section of the Wisconsin Department of Natural Resources.

Government Publication Date: May 01, 2018

Closed Remediation Sites:

[CRS](#)

List of sites which have undergone remediation and where particular legal restrictions on property use are in place. To be considered a Closed Remediation Site, the Department of Natural Resources must be satisfied that no further efforts are necessary provided that the property is not used for certain purposes.

Government Publication Date: Jul 13, 2018

Deed Restriction at Closeout Sites:

[AUL](#)

List of sites for which a deed restriction is recorded at the Register of Deeds office. Deed restrictions limit property use or outline requirements for actions prior to future use. Deed restrictions are applied in cases where there is known soil contamination that is impracticable to remove, or an engineering requirement or NR270 industrial standards are in place.

Government Publication Date: May 1, 2018

Voluntary Party Liability Exemption Sites:

[VCP](#)

List of sites which have participated in the Voluntary Party Liability Exemption (VPLE) program, an elective environmental cleanup program administered by the Wisconsin Department of Natural Resources (DNR), and received an exemption from future environmental liability. Any individual, business or unit of government that conducts an environmental investigation and cleanup of a contaminated property - following state requirements with the oversight of DNR staff - can receive an exemption from future environmental liability. With some restrictions, most properties that have had a discharge of a hazardous substance are eligible for VPLE.

Government Publication Date: May 1, 2018

Brownfields Environmental Assessment Program:

[BEAP](#)

List of sites which participated in the Brownfields Environmental Assessment Program (BEAP) - a federal program that assisted municipalities with Environmental Site Assessments (ESAs) for tax delinquent or bankrupt properties, or properties a local government acquired for redevelopment. Site assessments to determine property contamination were conducted by the Department of Natural Resources staff.

Government Publication Date: May 1, 2018

Brownfields Listing:

[BROWNFIELDS](#)

The Department of Natural Resource (DNR)'s Remediation and Redevelopment program has a wide range of financial and liability tools available to assist local governments, businesses, lenders and others to clean up and redevelop brownfields in Wisconsin. DNR describes brownfields as abandoned, idle or underused commercial or industrial properties, where the expansion or redevelopment is hindered by real or perceived contamination. Brownfield properties present public health, economic, environmental and social challenges to the rural and urban communities in which they are located.

Government Publication Date: May 1, 2018

Environmental Repair:

[ERP](#)

Environmental Repair Program sites are those other than Leaking Underground Storage Tanks (LUSTs) that have contaminated soil and/or groundwater. Examples include industrial spills (or dumping) that need long term investigation, buried containers of hazardous substances, and closed landfills that have caused contamination.

Government Publication Date: May 1, 2018

Solid Waste - Landfills and Historic Waste Sites:

HIST LF

A list of active and inactive solid waste landfills and known historic waste sites available through the Wisconsin Department of Natural Resources' Open Data Portal. This list is based on the known or inferred limits of waste found in the 'Solid Waste - Landfills and Historic Waste Site Extents' dataset.

Government Publication Date: Jan 31, 2017

Tribal

Leaking Underground Storage Tanks on Indian Lands:

INDIAN LUST

LUSTs on Tribal/Indian Lands in EPA Region 5, which includes Michigan, Minnesota, and Wisconsin.

Government Publication Date: Oct 16, 2017

Underground Storage Tanks (USTs) on Indian Lands:

INDIAN UST

USTs on Tribal/Indian Lands in Region 5, which includes Michigan, Minnesota, and Wisconsin.

Government Publication Date: Oct 16, 2017

Delisted Tribal Leaking Storage Tanks:

DELISTED ILST

Leaking Underground Storage Tank facilities which have been removed from the Regional Tribal LUST lists made available by the EPA.

Government Publication Date: Oct 14, 2017

Delisted Tribal Underground Storage Tanks:

DELISTED IUST

Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.

Government Publication Date: Oct 14, 2017

County

No County standard environmental record sources available for this State.

Additional Environmental Record Sources

Federal

Facility Registry Service/Facility Index:

FINDS/FRS

The US Environmental Protection Agency (EPA)'s Facility Registry System (FRS) is a centrally managed database that identifies facilities, sites or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, data collected from EPA's Central Data Exchange registrations and data management personnel.

Government Publication Date: Apr 17, 2018

Toxics Release Inventory (TRI) Program:

TRIS

The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

Government Publication Date: Dec 31, 2016

Hazardous Materials Information Reporting System:

HMIRS

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

Government Publication Date: Sep 11, 2017

National Clandestine Drug Labs:

NCDL

The U.S. Department of Justice ("the Department") provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: Dec 21, 2017

Toxic Substances Control Act:

[TSCA](#)

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

Government Publication Date: Jun 30, 2017

Hist TSCA:

[HIST TSCA](#)

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing:

[FTTS ADMIN](#)

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing:

[FTTS INSP](#)

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List:

[PRP](#)

Early in the cleanup process, the Environmental Protection Agency (EPA) conducts a search to find the potentially responsible parties (PRPs). EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site.

Government Publication Date: Oct 10, 2017

State Coalition for Remediation of Drycleaners Listing:

[SCRD DRYCLEANER](#)

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS):

[ICIS](#)

The Integrated Compliance Information System (ICIS) is a system that provides information for the Federal Enforcement and Compliance (FE&C) and the National Pollutant Discharge Elimination System (NPDES) programs. The FE&C component supports the Environmental Protection Agency's (EPA) Civil Enforcement and Compliance program activities. These activities include Compliance Assistance, Compliance Monitoring and Enforcement. The NPDES program supports tracking of NPDES permits, limits, discharge monitoring data and other program reports.

Government Publication Date: Nov 18, 2016

Drycleaner Facilities:

[FED DRYCLEANERS](#)

A list of drycleaner facilities from the Integrated Compliance Information System (ICIS). The Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: Sep 14, 2016

Delisted Drycleaner Facilities:

[DELISTED FED DRY](#)

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

Government Publication Date: Sep 14, 2016

Formerly Used Defense Sites:

[FUDS](#)

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DoD) is responsible for an environmental restoration. This list is published by the U.S. Army Corps of Engineers.

Government Publication Date: Nov 22, 2016

Material Licensing Tracking System (MLTS):

[MLTS](#)

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: Jun 30, 2017

Historic Material Licensing Tracking System (MLTS) sites:

[HIST MLTS](#)

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File:

[MINES](#)

The Master Index File (MIF) contains mine identification numbers issued by the Department of Labor Mine Safety and Health Administration (MSHA) for mines active or opened since 1971. Note that addresses may or may not correspond with the physical location of the mine itself.

Government Publication Date: Jan 30, 2018

Alternative Fueling Stations:

[ALT FUELS](#)

List of alternative fueling stations made available by the US Department of Energy's Office of Energy Efficiency & Renewable Energy. Includes Biodiesel stations, Ethanol (E85) stations, Liquefied Petroleum Gas (Propane) stations, Ethanol (E85) stations, Natural Gas stations, Hydrogen stations, and Electric Vehicle Supply Equipment (EVSE). The National Renewable Energy Laboratory (NREL) obtains information about new stations from trade media, Clean Cities coordinators, a Submit New Station form on the Station Locator website, and through collaborating with infrastructure equipment and fuel providers, original equipment manufacturers (OEMs), and industry groups.

Government Publication Date: Apr 25, 2018

Registered Pesticide Establishments:

[SSTS](#)

List of active EPA-registered foreign and domestic pesticide-producing and device-producing establishments based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that facilities producing pesticides, active ingredients, or devices be registered. The list of establishments is made available by the EPA.

Government Publication Date: Mar 1, 2018

Polychlorinated Biphenyl (PCB) Notifiers:

[PCB](#)

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Nov 30, 2017

State

Tier 2 Report:

[TIER 2](#)

A list of Tier 2 facilities in Wisconsin. This list is provided by the Wisconsin Department of Military Affairs Division of Emergency Management.

Government Publication Date: May 3, 2018

Spills:

[SPILLS](#)

List of spill events in the Wisconsin Department of Natural Resources (DNR) Bureau for Remediation and Redevelopment Tracking System. The Wisconsin DNR describes a spill as a discharge of a hazardous substance that may adversely impact, or threaten to impact public health, welfare or the environment.

Wisconsin Agricultural Spills:

[AGSPILLS](#)

List of agricultural spill sites reported to the Wisconsin Department of Agriculture, Trade and Consumer Protection. The Agricultural Chemical Cleanup Program (ACCP) is in place to identify and manage pesticide and fertilizer spills to prevent these products from reaching the groundwater. Once a site has been identified as requiring remediation, the ACCP provides reimbursement for eligible costs incurred by the responsible person.

Government Publication Date: Feb 28, 2018

Wisconsin Bureau for Remediation and Redevelopment Tracking System:

[BRRTS](#)

The Wisconsin Bureau for Remediation and Redevelopment Tracking System (BRRTS) contains information on the investigation and cleanup of potential and confirmed contamination to soil and groundwater in Wisconsin. This database includes: sites where an abandoned container with potentially hazardous contents has been inspected and recovered, and no known discharge to the environment has occurred; sites where there was, or may have been, a discharge to the environment and, based on the known information, the Department of Natural Resources (DNR) has determined that the responsible party does not need to undertake an investigation or cleanup in response to that discharge; and sites which have been removed from the tracking system and archived.

Government Publication Date: May 1, 2018

Wisconsin Agricultural Spills - Remediation Locations:

[AG SPILL REMED](#)

List of agricultural spill site remediation locations made available by the Wisconsin Department of Agriculture, Trade and Consumer Protection. The Agricultural Chemical Cleanup Program (ACCP) is in place to identify and manage pesticide and fertilizer spills to prevent these products from reaching the groundwater. Once a site has been identified as requiring remediation, the ACCP provides reimbursement for eligible costs incurred by the responsible person.

Government Publication Date: Feb 28, 2018

Delisted BRRT:

[DELISTED BRRT](#)

The Wisconsin Bureau for Remediation and Redevelopment Tracking System (BRRTS) maintained by the Wisconsin Department of Natural Resources contains information on the investigation and cleanup of potential and confirmed contamination to soil and groundwater in Wisconsin. Sites and site details are removed from the data made available to the public when the source of contamination is unclear and an investigation to determine the source of contamination is in progress.

Government Publication Date: Oct 27, 2015

Five Star Recognition Program Sites:

[DRYCLEANERS](#)

The purpose of Wisconsin's Five Star Environmental Recognition Program for Drycleaners was to encourage drycleaners to become more environmentally-friendly. The program was divided into five different star categories, with the ultimate goal being to achieve the Five Star status. The program was sponsored by the Wisconsin Fabricare Institute (WFI), in cooperation with the Department of Natural Resources, the Department of Commerce, the University of Wisconsin Extension-Solid and Hazardous Waste Education Center and the Center for Neighborhood Technology. WFI discontinued the program on Jan 1, 2013

Government Publication Date: Jan 1, 2013

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

OFF-SOURCE
B
PROPERTY

Clark Retail
Enterprises,
Inc.

MAILED
5-5-03

Clark Retail Enterprises, Inc.
3003 Butterfield Rd.
Suite 300
Oak Brook, IL 60523
Phone: 630-366-3000

April 30, 2003

Project Reference #CL0562

Delivered Certified Mail

Mr. Thomas J. and Mrs. Irene M. Aliota
4022 N. Morris Drive
Shorewood, Wisconsin 53211

RE: Site investigation and Remediation at Clark Retail Enterprises
Clark Station #562
4751 Santa Monica Blvd
Milwaukee, Wisconsin

Dear Mr. and Mrs. Aliota:

As responsible party for a petroleum release at 4751 North Santa Monica Boulevard, Milwaukee, Wisconsin, Clark Retail Enterprises, Inc. (CRE) is notifying you that groundwater contamination has migrated onto your property south of 201 and 265 East Hampton Avenue, Milwaukee, Wisconsin. The levels of benzene, ethylbenzene, toluene, xylene, and trimethylbenzene contamination in the groundwater on your property are above the state groundwater standards and/or limits found in Chapter NR 140, Wisconsin Administrative Code. However, the environmental consultants who have investigated this contamination have informed me that this groundwater contaminant plume is generally stable, is receding, and will naturally degrade over time. I believe that allowing natural attenuation to complete the cleanup at this site will meet the requirements for case closure that are found in chapter NR 716 Chapter NR 746 of the Wisconsin Administrative Code, and CRE is requesting that the Department of Commerce (the Department) accept natural attenuation as the final remedy for this site and grant case closure. Closure means that the Department will not be requiring any further investigation or cleanup action to be taken, other than reliance upon natural attenuation.

Since the source of the groundwater contamination is not on your property, neither you nor any subsequent owner of your property will be held responsible for investigation or cleanup of this groundwater contamination, as long as you and any subsequent owners comply with the requirements of section 292.13, Wisconsin Statutes, including allowing access to your property for environmental investigation or cleanup if future access is requested by the Wisconsin Department of Commerce. For further information on the requirements of section 292.13, Wisconsin Statutes, you may call 1-800-367-6076 for calls originating in Wisconsin, or 1-608-264-6020 if you are calling from within the Madison area, to

Mr. Thomas J. and Mrs. Irene M. Aliota

Page 2

obtain a copy of the Department of Natural Resources' publication #RR-589, Fact Sheet 10: Guidance for Dealing with Properties Affected by Off-site Contamination.

The review of this project currently falls under jurisdiction of the Department of Commerce. As an affected property owner, you have a right to contact the Department of Commerce to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information to the Department of Commerce that is relevant to this closure request, you should mail that information to: **Gregory Michael, Wisconsin Department of Commerce, 101 West Pleasant Street - Suite 101A, Milwaukee, Wisconsin 53211.**

If this case is closed, all properties within the site boundaries where groundwater contamination exceed Chapter NR 140 groundwater enforcement standards will be listed on the Department of Natural Resources' geographic information system (GIS) Registry of Closed Remediation Sites. The information on the GIS Registry includes maps showing the location of properties in Wisconsin where groundwater contamination above chapter NR 140 enforcement standards was found at the time that the case was closed. This GIS Registry will be available to the general public on the Department of Natural Resources' internet web site. Please review the enclosed legal description (**Attachment A**) of your property, and notify me within the next 30 days if the legal description is incorrect.

Should you or any subsequent property owner wish to construct or reconstruct a water well on your property, special well construction standards may be necessary to protect the well from the dissolved groundwater contamination. Any well driller who proposes to construct a well on your property in the future will first need to call the Diggers Hotline (1-800-242-8511) if your property is located outside of the service area of a municipally owned water system, or contact the Drinking Water program within the Department of Natural Resources if your property is located within the designated service area of a municipally owned water system, to determine if there is a need for special well construction standards.

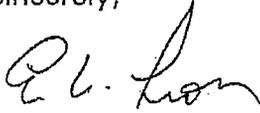
Once the Department of Commerce makes a decision on CRE's closure request, it will be documented in a letter. If the department grants closure, you may obtain a copy of this letter by accessing the DNR GIS Registry of Closed Remediation Sites on the internet at www.dnr.state.wi.us/org/at/et/geo/gwir. A copy of the closure letter is included as part of the site file on the GIS Registry of Closed Remediation Sites.

OFF-SOURCE
B
PROPERTY

Mr. Thomas J. and Mrs. Irene M. Aliota
Page 3

If you need more information, you may contact me at 601 S. Main Street, Ann Arbor, MI 48104, (734) 669-6155.

Sincerely,



Eric Larson
Clark Retail Enterprises, Inc.

Attachment



June 12, 2003

Ms. Michelle Salvatore
Clark Refining & Marketing Inc.
3003 Butterfield Rd. #300
Oak Brook, IL 60523-3112

RE: Conditional Case Closure

Commerce # 53211-1043-51 WDNR BRRTS # 03-41-000450
Clark Oil #562, 4751 N. Santa Monica Blvd., Milwaukee

Dear Ms. Salvatore:

The Wisconsin Department of Commerce (Commerce) has reviewed the request for case closure prepared by your consultant, Sigma Environmental Services Inc. It is understood that residual soil and groundwater contamination remains on-site. Commerce has determined that this site does not pose a significant threat to the environment and human health. No further investigation or remedial action is necessary.

The following condition must be satisfied to obtain final closure:

- All monitoring wells must be properly abandoned and the appropriate documentation forwarded to me at the letterhead address.

This letter serves as your written notice of "no further action". Timely filing of your final PECFA claim (if applicable) is encouraged. If your claim is not received within 120 days of the date of this letter, interest costs incurred after 60 days of the date of this letter will not be eligible for PECFA reimbursement.

Thank you for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (414) 220-5375.

Sincerely,

A handwritten signature in black ink, appearing to read 'Greg Michael', is written over a light blue horizontal line.

Greg Michael
Hydrogeologist
Site Review Section

cc: Sigma Environmental Services Inc.
Case File

Attachment 3

SITE INVESTIGATION REPORT

**ONE HOUR MARTINIZING CLEANERS
285 EAST HAMPTON AVENUE
MILWAUKEE, WISCONSIN
WDNR BRRTS# 02-41-543260
FID# 241176650**

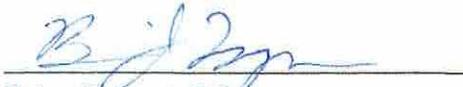
June 2, 2015

Prepared For:

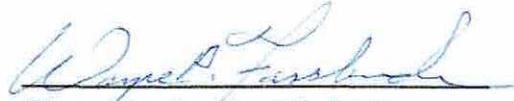
Mr. Charles Cass and OHM Holdings, Inc.
W229N2494 County Road F
Waukesha, WI 53186-1104

Prepared By:

Environmental Forensic Investigations, Inc.
N16 W23390 Stone Ridge Drive, Suite G
Waukesha, WI 53188
Phone: (262) 290-4001
www.enviroforensics.com



Brian Kappen, PG
Project Manager



Wayne Fassbender, PG, PMP
Senior Project Manager

TABLE OF CONTENTS

LIMITATIONS	iv
EXECUTIVE SUMMARY	E-1
1.0 GENERAL INFORMATION	1
2.0 BACKGROUND	3
2.1 Site History	3
2.2 Contaminants of Concern and Migration Pathways	4
2.3 Summary of Investigation Activities	4
3.0 SITE INVESTIGATION METHODOLOGY	8
3.1 Soil Boring and Soil Sampling	8
3.2 Grab Groundwater Sampling	8
3.3 Monitoring Well Installation, Development, and Permeability Testing.....	9
3.4 Groundwater Monitoring	10
3.5 Surveying	10
3.6 Vapor Intrusion Sampling	11
3.6.1 Soil Gas Sampling.....	11
3.6.2 Sub-Slab Vapor Sampling.....	11
3.6.3 Indoor Air Sampling	12
3.7 Investigation-Derived Media Disposal	13
4.0 INVESTIGATION RESULTS	14
4.1 Geology, Hydrogeology, and Surface Water Features	14
4.2 Soil Analytical Results.....	15
4.3 Groundwater Analytical Results	16
4.4 Soil Gas Analytical Results	17
4.5 Sub-Slab Vapor and Indoor Air Sampling Results.....	18
5.0 CONCLUSIONS AND RECOMMENDATIONS	20

TABLES

- 1 Monitoring Well Construction Information
- 2 Groundwater Elevation Data
- 3 Summary of Soil Sample Analytical Results
- 4 Grab Groundwater Sample Analytical Results
- 5 Monitoring Well Groundwater Sample Analytical Results
- 6 Soil Gas Sample Analytical Results
- 7 Sub-Slab Vapor Sample Analytical Results
- 8 Indoor Air Sample Analytical Results

FIGURES

- 1 Site Location Map
- 2 Site Plan
- 3 Geologic Cross-Section Transect Map (A-A' and B-B')
- 4 Geologic Cross-Section A-A' Showing Data Points with Soil and Groundwater Analytical Results
- 5 Geologic Cross-Section B-B' Showing Data Points with Soil and Groundwater Analytical Results
- 6 Groundwater Elevation Contour Map (March, 2014)
- 7 Groundwater Elevation Contour Map (June, 2014)
- 8 Groundwater Elevation Contour Map (October, 2014)
- 9 Groundwater Elevation Contour Map (December, 2014)
- 10 Soil Sample Analytical Results Map
- 11 PCE in Soil Isoconcentration Map
- 12 Groundwater Analytical Results - 2014
- 13 PCE in Groundwater Isoconcentration Map – 2014
- 14 Vapor Sample Analytical Results Map

APPENDICES

- A Property Legal Description and Plat Map
- B Soil Boring Log Forms and Borehole Abandonment Forms
- C Monitoring Well Construction and Development Forms
- D Slug Test Data Sheets
- E Field Sampling Forms
- F Investigative Waste Manifests



- G Soil and Grab Groundwater Laboratory Analytical Reports
- H Monitoring Well Groundwater Laboratory Analytical Reports
- I Vapor Laboratory Analytical Reports

LIMITATIONS

The purpose of a Site Investigation is to reasonably characterize the extents and magnitude of contaminants of concern based on the geology/hydrogeology of the area. In performing such a study, a balance must be struck between a reasonable investigation into the site conditions and an exhaustive analysis of each conceivable condition. The following paragraphs discuss the assumptions and parameters under which such a study is conducted.

No investigation is thorough enough to detect every geologic/hydrogeologic condition of interest at a given site. If conditions have not been identified during the study, such a finding should not therefore be construed as a guarantee of the absence of such conditions at the site, but rather as the result of the services performed within the scope, limitations, and cost of the work performed.

We are unable to report on or accurately predict events that may change the site conditions after the described services are performed, whether occurring naturally or caused by external forces. We cannot assume responsibility for conditions we were not authorized to evaluate, or conditions not generally recognized as predictable when services were performed.

Geologic/hydrogeologic conditions may exist at the site that cannot be identified solely by visual observation. Where subsurface exploratory work was performed, our professional opinions are based in part on interpretation of data from discrete sampling locations that may not represent actual conditions at unsampled locations.

EXECUTIVE SUMMARY

Environmental Forensic Investigations, Inc. (EnviroForensics) has prepared this Site Investigation (SI) report on behalf of Mr. Charles Cass and OHM Holdings, Inc. (OHM) for the One Hour Martinizing facility located at 285 East Hampton Avenue, Milwaukee, Wisconsin (Site). The Site was operated as a gasoline service station from 1953 to 1979. The Site has been owned and operated by OHM as an active dry cleaning facility since 1980. In July 2007, OHM changed the business operation to a drop off and pick up dry cleaner location only. In January of 2014, OHM eliminated the use of tetrachloroethene (PCE) in their dry cleaning process at all their facilities in favor of a more environmentally friendly product.

PCE was initially detected at the Site in 1992 during removal of the petroleum underground storage tanks (USTs). The solvent compound was initially believed to be associated with the waste oil UST as oftentimes solvents used for automotive degreasing are discharged to a waste oil tank.

The subsequent site investigation and remedial activities focused on the petroleum contamination as the primary contaminants of concern. In 2005, the Wisconsin Department of Natural Resources (WDNR) reviewed the Site for closure and determined that the presence of PCE and intermediate products of the natural degradation of PCE in the subsurface, trichloroethene (TCE) dichloroethene (DCE) and vinyl chloride (VC), which are collectively identified as chlorinated volatile organic compounds (CVOCs) were more indicative of a release from the dry cleaning operation than from the former leaking underground storage tanks (LUSTs). On June 9, 2005, the WDNR issued a responsible party letter to OHM for the PCE release

The amount, duration, and circumstances of PCE released to the subsurface are unknown. However, the investigation conducted by EnviroForensics beginning in 2010 revealed main areas of soil impacts exist behind the OHM building on the southwest corner of the property, and to a lesser degree beneath the building slab. The source of the impacts appears to be related to leakage from a former dry cleaning machine that was located along the wall in the south corner of the building; however, surface spills in the southwest corner of the property cannot be ruled out, and may have contributed to the soil impacts seen in this area. Soil concentrations of CVOCs in these source areas do not exceed either the residential or industrial direct contact residual contaminant levels (RCLs), but do exceed the groundwater protection RCLs.

Site geology consists generally of fine-grained sand to a depth of 12 feet below ground surface (bgs). A more dense silt and clay unit was observed from 12 to approximately 34 feet bgs. A

more heterogenous geologic profile was observed in borings on the southern portion of the investigated area with interbedded layers of clay, silt, sand and gravel observed from the surface to the depth of the clay at 20 feet bgs. The water table is generally encountered at approximately 9 feet bgs; however, the water table has been observed to fluctuate between a depth of 6 and 13 feet bgs. Groundwater flow is toward the north with a westerly component at the northern property boundary. The groundwater flow gradient is relatively flat, with a stronger gradient along the southern portion of the Site, and flattening to the north and west.

The CVOC plume in groundwater extends from the soil source areas to the northwest in the direction of groundwater flow. The distribution and concentration of groundwater impacts generally mimics the distribution and concentrations detected in soil. CVOC impacts in both soil and groundwater have migrated to the Shovers Realty property to the south, and to the Confluence Graphics and Aliota properties to the west. Comingling of residual petroleum constituents with the PCE in groundwater appears to have resulted in beneficial co-metabolic degradation within the plume. There appears to be a distinct divide from north to south across the Site where CVOC impacts are limited to the west half of the property and petroleum impacts are limited to the eastern half of the property. Groundwater monitoring over the last four (4) years has shown a stable to decreasing trend in contaminant concentrations.

CVOC impacts in soil and groundwater are entering the vapor phase. Based on the results of soil gas and sub-slab vapor sampling, the OHM building and adjacent Confluence Graphics commercial building are at risk for vapor intrusion. A utility corridor investigation showed no impact along the utility lines on-Site.

The extent of solvent-related impacts exceeding applicable standards in all subsurface media has been defined both laterally and vertically, and is primarily limited to areas within Site boundaries and neighboring properties to the south and west. EnviroForensics considers the Site investigation to be complete.

Given current site data and the resulting conceptual Site model, it is recommended that actions be taken to remediate soil, vapor, and groundwater impacts within the source area in an attempt to eliminate vapor intrusion (VI) risk. EnviroForensics recommends that sub-slab depressurization systems (SSDSs) be installed within the Confluence Graphics building and the Site building to temporarily mitigate the risk of VI. It is anticipated that remedial actions will eliminate this risk; however, if that is not the case, then continued operation of the SSDSs for these buildings will be required.



1.0 GENERAL INFORMATION

Environmental Forensic Investigations, Inc. (EnviroForensics) has prepared this Site Investigation (SI) Report on behalf of OHM Holdings, Inc. (OHM) for the One Hour Martinizing facility located at 285 East Hampton Avenue, Milwaukee, Wisconsin (Site). The Site is situated on the southwest corner of Hampton Avenue and Santa Monica Boulevard in Milwaukee, Milwaukee County, Wisconsin. The location of the Site is depicted on **Figure 1**.

This SI Report follows guidelines for investigations and reporting set forth in the Wisconsin Department of Natural Resources (WDNR) Chapter NR 716 rule and other associated State of Wisconsin Chapter NR 700 series rules.

Property Information:

County: Milwaukee
PLSS Location: NE 1/4 of the NE 1/4 of Section 5, Township 07N, Range 22E
WTM Coords: X = 690279, Y = 294462

Property Owner and Responsible Party Information:

Name: Charles Cass
OHM Holdings, Inc.
Address: N41 W27760 Ishnala Trail, Pewaukee, WI 53072
Contact: Brian Cass
Telephone: 262-521-9710
E-mail Address: brian@ohmholdings.com

Consultant Information:

Company Name: Environmental Forensic Investigations, Inc.
Address: N16W23390 Stone Ridge Drive, Suite G, Waukesha, WI 53188
Contact: Brian Kappen/Project Manager, Wayne Fassbender/Sr. Project Manager
Telephone: 414-326-4412, 414-982-3988
E-mail Address: bkappen@enviroforensics.com, wfassbender@enviroforensics.com.

A copy of the most recent property survey and legal description is provided in **Appendix A**. The layout of the Site, including adjacent properties and sample locations is depicted on **Figure 2**. The Site is improved with a single story, approximately 2,500 square foot, concrete slab-on-grade commercial building with an asphalt parking area. The Site is bound by East Hampton Avenue to the north; North Santa Monica Boulevard to the east and commercial properties to the

west and south. A gasoline service station (formerly Harder's Service) is located to the east of the Site across Santa Monica Boulevard and Clark Service Station is located to the south. Both of these gasoline station properties have LUST activities that were closed with residual soil and groundwater contamination. The Milwaukee River is located approximately 1,000 feet to the southwest of the Site within Estabrook Park. The surrounding area consists of commercial properties with residential properties located nearby.

2.0 BACKGROUND

2.1 Site History

The Site was operated as a gasoline service station from 1953 to 1979 and an active dry cleaning facility from 1980 until 2007, when active dry cleaning was discontinued. Since 2007, the facility has been utilized as a drop off and pick-up location for clothes dry cleaned elsewhere. In January of 2014, OHM eliminated the use of PCE in their dry cleaning process in favor of a more environmentally friendly cleaning agent.

The following is a chronological summary of investigations performed at the Site to date.

1992 - 2004 A release of petroleum volatile organic compounds (PVOCs) associated with the service station underground storage tanks (USTs) was identified by Giles Engineering Associates, Inc. (Giles) during removal of the USTs in 1992. Considerable investigation and remediation activities were taken by Giles and later by ARCADIS Geraghty & Miller (ARCADIS) to address the petroleum contamination. These efforts resulted in some free product and source area soil removal, but had limited effectiveness in reducing subsurface concentrations of residual petroleum impacts. During these early investigations, chlorinated volatile organic compounds (CVOCs) were also detected in subsurface samples; however, their occurrence was initially believed to be associated with a former waste oil tank.

2005 The WDNR denied a site closure request submitted by ARCADIS and requested that OHM take actions to investigate the extent and magnitude of detected CVOCs and restore the environment according to Wisconsin Statute 292.11. This request was based on the distribution of CVOCs in the subsurface that did not appear to be associated with a release from the former waste oil tank. Initial Site investigation activities associated with determining the source of PCE contamination and potential eligibility for funding through the Drycleaner Environmental Response Fund (DERF) were performed at the Site by ARCADIS. Two (2) soil borings were advanced to facilitate the collection of soil, groundwater and soil vapor samples. Concentrations of PCE detected in soil and groundwater samples exceeded the Residual Contaminant Level (RCL) for the protection of groundwater and Enforcement Standard (ES), respectively.

The amount of PCE released and the duration of the release are unknown, though it is likely that the releases were of the type typically associated with such operations and more likely occurred in the early 1980's prior to the imposition of waste handling regulations under RCRA and state law. Based on the results of the initial site investigation, a release notification was made to the WDNR in 2005. A responsible party letter was issued by the WDNR on June 9, 2005. Mr. Cass established Dry Cleaner Environmental Response Fund (DERF) eligibility with the WDNR in 2008. Site investigation work to determine the extent of contamination was initiated by EnviroForensics in 2010.

2.2 Contaminants of Concern and Migration Pathways

The contaminants of concern (COCs) at the Site are the dry cleaning solvent PCE and its degradation products: trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), trans-1,2-dichloroethene (trans-1,2-DCE), and vinyl chloride (VC). PCE released to the subsurface can desorb from the soil and enter the groundwater based upon various factors, including the amount of organic matter in the soil and chemical specific properties such as volatility, solubility, and partitioning coefficients. In a free liquid state, PCE is considered a dense non-aqueous phase liquid (DNAPL) in that it is heavier than water and can pass through the water table causing impacts at depth.

PCE dissolved in groundwater and in the vadose zone can move through soil pore space and into building crawl spaces, basements, and/or indoors. Significant concentrations of these volatile compounds in the vapor phase can accumulate in unsaturated soil above the soil and groundwater sources, and migrate upward to concentrate in porous materials beneath and around building foundations and in utility trenches. Contamination in the groundwater will follow natural preferential pathways such as high permeability sands, and will generally move in the direction of groundwater flow. Contaminants may also follow anthropogenic (man-made) preferential pathways such as underground utility trenches; however, at this Site the natural soil is as permeable as most utility backfill materials.

2.3 Summary of Investigation Activities

The existing monitoring well network from the petroleum investigation consisted of seven (7) on-Site wells (MW-2, MW-3, MW-3d, MW-4, MW-5, W-10, W-11, and W-13). Between 2010 and the present, EnviroForensics performed site investigation activities including the installation of additional groundwater monitoring wells, and the collection of soil, groundwater, and soil vapor samples to fully delineate impacts and exposure pathways. EnviroForensics conducted 12

rounds of groundwater monitoring over the course of four (4) years. Sample locations are found on **Figure 2**.

The following is a chronological sequence of site investigation activities conducted by EnviroForensics:

September 2010

- Advanced 11 direct push soil borings (SB-1 thru SB-11) to determine whether the impacts extended beyond the northern Site boundary. One (1) soil and one (1) grab groundwater sample were collected from each soil boring for laboratory analysis of volatile organic compounds (VOCs). Soil gas samples were also collected from four (4) of the boring locations.

May 2013

- Advanced two (2) interior borings (SB-interior-1 and SB-interior-2) and five (5) exterior direct-push soil borings (SB-12 through SB-16) and installed five (5) monitoring wells (MW-6 through MW-10) and one (1) piezometer (PZ-2) to define the lateral and vertical extent of soil and groundwater contamination on and off-Site.

June 2013

- Conducted a vapor migration investigation which consisted of: advanced three (3) soil gas borings (SG-1 through SG-3) along utility corridors on the northeast portion of the property; advanced two (2) soil gas borings (SG-4 and SG-5) on the western property boundary to determine vapor intrusion risk to the neighboring Confluence Graphics building (265 E Hampton Avenue); collected three (3) sub-slab vapor samples from the Site building (6194-SSV-1 through 6194-SSV-3); and collected two (2) sub-slab vapor samples (6194-Shovers-SSV-1 and 6194-Shovers-SSV-2) paired with an indoor air sample (6194-Shovers-IA-1) from the neighboring commercial building to the south, Shovers Realty (4771 N Santa Monica Boulevard).

July 2013

- Conducted slug tests on select wells to determine hydraulic conductivity at the Site.

April 2014

- Collected a second round of sub-slab vapor samples from the Shovers Realty building.

July 2014

- Advanced ten (10) direct-push soil borings (SB-17 through SB-27) to collect soil and grab groundwater samples (GW-1 through GW-7);
- Installed two (2) monitoring wells (MW-11 and MW-12);
- Collected soil and soil gas samples from two (2) locations (SB-18/SG-6 and SB-19/SG-7) alongside a large natural gas main to determine if the main or other adjacent utilities acted as a transport conduit for migration of CVOCs; and
- Collected five (5) sub-slab vapor samples at the neighboring properties to the west: Confluence Graphics (6194-SSV-6) and Aliota's (261 E Hampton Avenue) property (6194-SSV-7 through 10) to determine vapor intrusion risk to these buildings.

October 2014

- Measured water elevations and sampled all groundwater monitoring wells. Re-sampled sub-slab vapor at Confluence Graphics.

November 2014

- Installed off-site monitoring well MW-13 on Confluence Graphics property; and
- Collected soil samples within a PCE source area at SB-29 for CVOCs and paired toxicity characteristic leaching procedure (TCLP) analysis to determine if soil is characteristically hazardous.

December 2014-March 2015

- Measured water elevations and collected groundwater samples from select monitoring wells; and
- Collected paired sub-slab vapor and indoor air samples from the Confluence Graphics property.

3.0 SITE INVESTIGATION METHODOLOGY

EnviroForensics conducted SI activities between 2010 and 2015, including the collection of soil, groundwater, and soil vapor samples. Investigative methods are described in the following sections. All sample locations are depicted on **Figure 2**.

3.1 Soil Boring and Soil Sampling

Soil samples were collected continuously for field screening and lithological description in accordance with the Unified Soil Classification System (USCS). A portion of each sample was placed into a plastic bag and the headspace was allowed to equilibrate for approximately 15 minutes. A photoionization detector (PID) equipped with an 11.7 electron volt lamp was then inserted into the plastic bag, and the maximum instrument reading was recorded on the boring logs. Typically, two (2) soil samples per boring were submitted for laboratory analysis of VOCs. Duplicate samples were submitted for quality assurance/quality control (QA/QC) purposes.

Soil samples for laboratory analysis were collected using direct-methanol preservation methods in accordance with SW-846 Method 5035, and placed in a cooler on ice. All investigative soil samples were submitted using appropriate chain-of-custody documentation to a state-certified laboratory for analysis of VOCs according to United States Environmental Protection Agency (USEPA) Method 8260B. Soil boring logs are included in **Appendix B**.

3.2 Grab Groundwater Sampling

Grab groundwater samples were collected utilizing a 1-inch diameter, 5-foot long temporary well screen set in the saturated soil zone to be sampled. Filter pack sand was placed around the screen prior to sample collection. After the screen was set, an inertial recovery tube equipped with a check valve was used to raise water for purging and sampling. Approximately one quarter of a gallon was removed per one foot of water column. The grab groundwater sample was collected directly into laboratory-supplied 40 milliliter (mL) sample vials pre-preserved with hydrochloric acid. The groundwater sample containers were placed in a cooler on ice, and submitted to a state-certified laboratory under chain-of-custody protocol for analysis of VOCs using SW-846 Test Method 8260.

Following sample collection, the temporary well screen was removed and the boreholes were backfilled with hydrated bentonite chips and finished at the surface with asphalt. Borehole abandonment forms are presented in **Appendix B**.

3.3 Monitoring Well Installation, Development, and Permeability Testing

The existing monitoring well network left in place from the LUST investigation and remediation includes monitoring wells MW-2 through MW-5, W-10, W-11, W-13 and MW-3D (piezometer). Additional wells were sequentially added to the network by EnviroForensics including: MW-9; MW-10; MW-11; MW-12; MW-13; and PZ-2 (piezometer).

The monitoring wells installed by EnviroForensics were completed using 4.25-inch ID hollow-stem auger methods to depths ranging from 15 to 16.5 feet bgs. The piezometer was installed to a depth of 34 feet bgs.

The monitoring wells were constructed in accordance with Wisconsin Administrative Code (WAC) Chapter NR 141 using 2-inch ID Schedule 40 PVC riser and 2-inch ID, 10-foot long, 0.010-inch machine slotted, polyvinyl chloride (PVC) well screens. The piezometer was constructed with a 5-foot section of screen. Sand pack materials were placed from the bottom of the borehole to 2 feet above the well screen. The annular space above the sand pack was filled with hydrated bentonite chips up to 1 foot bgs. Surface completions consist of flush mount well vaults set in concrete. The wells were secured with expandable locking caps. Monitoring well construction forms are provided in **Appendix C**, and well construction information is summarized in **Table 1**.

The wells were developed at least 24 hours after installation by surging with a bailer and purging with a submersible pump for a minimum of 30 minutes, followed by removing at least 10 well volumes of water using the submersible pump. Monitoring well development forms are included in **Appendix C**.

On July 10, 2013, slug testing was performed in monitoring wells MW-7, MW-8, MW-9, W-13 and PZ-2 to obtain hydraulic conductivity data. The hydraulic conductivity (typically denoted as K) of an aquifer relates to the amount of water that it can transmit. This information can be utilized to calculate the rate and volume of groundwater flow across the Site. Rising head slug tests were performed. A solid, 3-foot long, PVC rod (slug) was added to the well and the water level was allowed to equilibrate. The slug was then quickly removed from the well, and a transducer placed near the bottom of the well was activated to record the changes in water levels over time as recovery occurred. The raw recovery data was collected using a Solinst® water level datalogger. The data were analyzed utilizing AQTESOLV software. The input data and semi-log plots of the resultant best-fit curve matching procedure are located in **Appendix D**.

3.4 Groundwater Monitoring

Groundwater monitoring has been performed periodically at the Site since January 2011. Each event included collection of groundwater elevation measurements and samples from the available monitoring well network at the Site. Beginning during the 4th Quarter of 2014, the number and frequency of wells to be monitored was modified to reduce monitoring of non-essential wells.

Prior to sampling, well caps were removed at least 15 minutes prior to collecting water level measurements to allow groundwater in the monitoring wells to equilibrate with atmospheric pressure. The depth to water in each well was measured to the nearest 0.01 foot using an electronic sounding device and recorded on Groundwater Field Sampling Forms prior to sample collection activities. One set of quarterly groundwater Field Sampling Forms from the October 2014 round are provided as an example of the data collected in **Appendix E**.

Groundwater samples were collected using low flow (minimal drawdown) sampling procedures in accordance with WDNR guidance. At each event, groundwater samples were collected including two (2) duplicate samples and two (2) field blanks. The groundwater and QA/QC samples were submitted to a state-certified laboratory for analysis of VOCs according to EPA Method 8260B.

3.5 Surveying

Surveying Associates, Inc. of Wauwatosa, Wisconsin was contracted to locate each new monitoring well and soil boring location by standard surveying methods. A vertical survey was conducted to establish the elevation of each monitoring well and soil boring location based on an existing benchmark, which was utilized as a vertical control for the Site. The horizontal and vertical grid coordinates of each monitoring well and soil boring location were recorded to within 0.1 foot and 0.01 foot, respectively. Horizontal locations were referenced to the State Plane Coordinate System. The location and elevation data for the monitoring wells and piezometers are listed in **Table 1**.

3.6 Vapor Intrusion Sampling

3.6.1 Soil Gas Sampling

A total of 11 soil gas samples were collected at three (3) separate events to determine the general distribution of CVOC vapor at the site, to determine the vapor risk to the adjacent Confluence Graphics building, and to determine if on-Site utilities were acting as contaminant transport conduits. The temporary points consisted of 1-foot long stainless steel screens coupled to Teflon®-lined polyethylene tubing extending to the surface. A sand pack was placed around each screen in the open borehole approximately 6-inches above the screened interval. The remaining annular space interval between screens and the interval from the uppermost sand pack to surface grade was filled with hydrated bentonite chips. The points were set at depths of between 5-7 feet.

Prior to sample collection, the integrity of the sampling points was tested by leak detection using helium as a tracer gas, and tubing connections were pressure tested as recommended in WDNR Publication RR-800. Each soil gas sampling point was purged of 3 times the volume of air in the sand pack surrounding the screen with a peristaltic pump.

The soil gas samples were collected in 1-Liter laboratory batch-certified vacuum canisters with laboratory-supplied flow controllers that restricted the flow rate to approximately 200 milliliters per minute (mL/min). Initial and final pressure readings in each sample canister were recorded on Soil Gas Field Sampling Forms along with all other required information (examples in **Appendix E**). Soil gas samples were submitted under appropriate chain-of-custody protocol to a laboratory for analysis of target CVOCs according to United States Environmental Protection Agency (USEPA) Method TO-15. Upon completion of sampling, the screens and tubing were removed from the boreholes and the boreholes were abandoned with bentonite chips according to standards in NR 141.

3.6.2 Sub-Slab Vapor Sampling

Sub-slab vapor samples were collected at the Site building and the neighboring property buildings to evaluate potential vapor intrusion risk. The sub-slab vapor samples from the Site building (6142-SS-1 and 6142-SS-2) were collected on June 4, 2013. Two (2) rounds of sub-slab vapor samples were collected from the Shovers Realty property building basement (6194-Shovers-SSV-1 and 6194-Shovers-SSV-2) on June 3, 2013 and April 8, 2014. One (1) sub-slab sample was collected from the Confluence Graphics basement (6194-SSV-6) on July 21, 2014.

A sub-slab vapor sample from Confluence Graphics was collected again on October 7, 2014 (SSV-11). Due to PCE concentrations above vapor risk levels, a paired sub-slab vapor and indoor air sampling event was performed at the Confluence Graphics property on January 8, 2015. Four (4) samples were collected from the Aliota's property building basements (6194-SSV-7 through 6194-SSV-10) on July 10, 2014.

Temporary stainless steel Vapor Pin™ sub-slab vapor sampling ports were installed at each sub-slab vapor sampling location. The sub-slab vapor sampling points were installed by drilling a counter-sunk hole through the concrete slab using an electric hammer drill. The ports were capped during installation until sampling was initiated.

Testing the integrity of the sample ports and sampling train was conducted by vacuum testing and leak testing using helium as a tracer gas. The leak testing information and results were recorded in the sub-slab vapor field sampling forms (examples in **Appendix E**). Quality control testing was performed in accordance with WDNR Publication RR-800 and following the methods presented in the *Standard Practice for Active Soil Gas Sampling in the Vadose Zone for Vapor Intrusion Evaluation*, ASTM Standard D7663-11. After sampling was completed, the ports were removed and the floors repaired immediately with an appropriate concrete material.

The sub-slab vapor samples were collected in batch-certified 1-Liter vacuum canisters fitted with a regulator to restrict the flow rate to less than 200 mL/min. The vacuum canisters were connected to each vapor point using compression fittings and Teflon®-lined polyethylene tubing. The tubing was purged of all ambient air using a hand pump prior to initiating sub-slab vapor sampling. Initial and final pressure readings were recorded on Sub-Slab Vapor Field Sampling Forms along with all other required information. The sub-slab vapor samples were submitted to either Test America of Knoxville, Tennessee (Test America) or Envision Air Laboratory (Envision Air) in Indianapolis, Indiana for analysis of VOCs according to USEPA Method TO-15.

3.6.3 Indoor Air Sampling

Indoor air samples were collected from the Shovers Realty building and the Confluence Graphics building. Indoor air samples were collected prior to installation of the sub-slab vapor sampling ports in order to prevent escape of vapor through the sub-slab ports, which could skew the indoor air sampling results.

All indoor air samples were collected from the breathing zone, approximately 3-5 feet above floor level. In addition, one (1) ambient (outdoor) air sample was collected from upwind of the prevailing wind direction on the day of sampling.

All air samples were collected over a 24-hour period utilizing 6-Liter vacuum sampling canisters and calibrated regulators supplied by Envision Air. The canisters were individually certified as clean by Envision Air prior to sampling for quality assurance purposes. Weather data including, temperature, wind speed, wind direction, humidity, barometric pressure, and rainfall, was assessed from the nearest fixed weather station throughout the 24-hour sampling period. Also, initial and final pressure readings were collected from the vacuum canisters. This information was recorded on field sampling logs (examples in **Appendix E**).

Following sampling activities, the indoor and outdoor air samples were submitted to Envision Air under appropriate chain-of-custody procedures for analysis of volatile organic compounds by US EPA Method TO-15.

3.7 Investigation-Derived Media Disposal

Investigation-derived media (IDM) including soil cuttings, purge water and *de minimis* amounts of decontamination water were contained in labeled U.S. Department of Transportation (DOT) 17H-rated drums, or equivalent, and staged on-Site. Composite soil and groundwater samples were collected and analyzed for total VOCs. The composite sample analytical results indicated that all IDM could be managed as non-hazardous, and profiles for soil and purge water were prepared accordingly. Badger Disposal, Inc. of Milwaukee, Wisconsin was contracted to properly transport and dispose of all IDM which was subsequently removed from the Site. Copies of the IDM manifests are provided as **Appendix F**.

4.0 INVESTIGATION RESULTS

4.1 Geology, Hydrogeology, and Surface Water Features

According to published materials from the Wisconsin Geological and Natural History Survey (WGNHS) and the United States Geological Survey (USGS), the regional geology of Milwaukee County consists of unconsolidated sediments indicative of a glacio-fluvial depositional setting with a combination of glacial, stream, and offshore lake sediments. The stream and offshore lake sediments overlay glacial sediments of the Oak Creek Formation, deposited during the last stage of Wisconsin glaciation. The Oak Creek Formation consists of silty and sandy till deposits which overlay Silurian and Ordovician aged dolomite and shale. According to published maps, the thickness of the unconsolidated sediments atop the bedrock can range from 0 to 140 meters and is the thickest in the southern portion of Milwaukee County. Although all of Milwaukee County's drinking water is supplied by Lake Michigan, regional aquifers are located within the Silurian Dolomite and unconsolidated material with a flow direction generally to the south and east.

As observed during investigation activities, the geological profile at the Site consists of a fine-grained silty sand to approximately 12 feet bgs (see grain size analysis in **Appendix G**). A more dense silt and clay unit was observed from 12 to approximately 34 feet bgs, the maximum depth investigated (SB-14). A more heterogenous geologic profile was observed in borings on the southern portion of the investigated area. Interbedded layers of clay, silt, sand and gravel were observed from the surface to the depth of the clay at 20 feet bgs. An approximately 2 to 4-foot thick layer of anthropogenic subgrade fill is present below the Site building and off-site paved areas to the south and west. Two (2) geologic cross-section transects are shown on **Figure 3**. Geologic cross-sections are provided on **Figures 4 and 5**.

Cumulative groundwater elevation data is presented in **Table 2** and water table contour maps for data collected seasonally during 2014 are illustrated on **Figures 6 through 9**. The water table is generally encountered at approximately 9 feet bgs; however, the water table has been observed to fluctuate between a depth of 6 and 13 feet bgs. As shown on **Figures 6 through 9**, the direction of groundwater flow is consistently toward the north with a westerly component at the northern property boundary. The horizontal hydraulic gradient (I) was measured between wells MW-6 and MW-9 for the four (4) quarterly sampling events in 2014. The gradient is relatively low, with a high of 0.010 feet per foot (ft/ft) in June 2014 to a low of 0.004 ft/ft in December 2014. The average gradient for 2014 was 0.007 ft/ft.

Hydraulic conductivity values calculated for the water table monitoring wells during June of 2013 ranged from 4.0×10^{-3} centimeters per second (cm/s) at MW-7 to 7.0×10^{-3} cm/s at W-13, with a mean of 5.5×10^{-3} cm/s. The hydraulic conductivity calculated in piezometer PZ-2 was 4.0×10^{-4} cm/s, approximately one order-of-magnitude lower than that calculated for the water table wells. PZ-2 is installed in silty clay soil, which would be expected to have a lower hydraulic conductivity than MW-7 or W-13 which are installed in silty sand soil.

The groundwater flow velocity (v) can be calculated using the above values for hydraulic conductivity (K) and hydraulic gradient (I) as: $v = KI/n$, where n = the effective porosity of the soil. The value n is estimated for this type of soil at 25%. Using a mean K value of 5.5×10^{-3} cm/s determined through slug testing of the shallow water table wells, and the observed average hydraulic gradient in 2014 of 0.007 ft/ft, the groundwater flow velocity across the Site was approximately 1.5×10^{-4} cm/s or 0.44 feet/day.

The vertical hydraulic gradients were measured at well nest MW-8/PZ-2, only. The well screens at MW-3/MW-3d do not have sufficient vertical separation to allow accurate measurements of the vertical gradient. Vertical gradients at the MW-8/PZ-2 nest have consistently shown a downward component to groundwater flow. Gradients have ranged from -0.19 to -0.25 ft/ft.

The nearest surface water body is the Milwaukee River, which is located approximately 1,000 feet to the southwest of the Site and flows northwest to southeast.

4.2 Soil Analytical Results

The soil sample results were compared to residual contaminant levels (RCLs) calculated according to the procedures described in WDNR Publication RR-890 (refer to **Table 3** and **Figure 10**). The laboratory reports are presented in **Appendix G**.

Soil samples collected from borings SB-2 through SB-5, SB-interior-1 and SB-interior-2, SB-13 through SB-15, SB-26, SB-27, and SB-29 contained concentrations of PCE above the soil to groundwater protection RCL of $4.4 \mu\text{g}/\text{kg}$. A reductive de-chlorination breakdown product, TCE, was detected in the soil samples from SB-interior-2 and SB-12 through SB-15 at concentrations above the soil to groundwater protection RCL of $3.6 \mu\text{g}/\text{kg}$. Petroleum constituents, benzene, bromobenzene, 1,4-dichlorobenzene, chlorobenzene, naphthalene, and toluene were detected in some samples at concentrations above their respective soil to groundwater RCLs. None of the shallow soil samples contained VOCs above their respective direct contact RCLs.

The greatest concentrations of CVOCs in soil were observed in the southwest corner of the Site. The estimated extent of the PCE distribution in soil is shown on **Figure 11**.

TCLP analysis was performed along with total CVOC concentrations in soil samples collected from boring SB-29 to determine whether soil impacts within the area of highest CVOC concentrations would have hazardous characteristics. As can be seen in **Table 3** and the laboratory reports in **Appendix G**, none of the soil samples from this boring met or exceeded toxicity thresholds.

4.3 Groundwater Analytical Results

The groundwater concentrations were compared to public health Preventive Action Limits (PAL) and Enforcement Standards (ES) listed in Wisconsin Administrative Code Chapter NR 140. The groundwater analytical results from grab samples and monitoring well samples are summarized in **Tables 4** and **5**, respectively. Groundwater analytical results for grab water sampling and well sampling in June-July, 2014 are presented on **Figure 12** and the lateral extent and magnitude of PCE is depicted on **Figure 13**. The isoconcentration lines of **Figure 13** incorporate the highest concentrations of PCE detected in grab groundwater samples and well samples collected in 2014 to show overall expected impacts. The groundwater laboratory reports for grab water sampling are presented in **Appendix G** and the laboratory reports for monitoring well samples are presented in **Appendix H**.

Samples collected from wells MW-8, MW-9, MW-13, and W-13 have consistently contained PCE at concentrations above the ES of 5 micrograms per liter ($\mu\text{g/L}$). Samples collected from PZ-2 have intermittently contained PCE at concentrations above and below the ES (between 0.44 and 9.9 $\mu\text{g/L}$). Samples collected from MW-5, MW-10, W-10, W-11 have consistently reported concentrations below the detection limit for all CVOCs. Breakdown products TCE, cis-1,2-DCE, trans-1,2-DCE, 1,1-DCE and vinyl chloride have been detected at wells which also contain petroleum constituents. These wells are: MW-3, MW-3d, MW-6 through MW-9, W-13 and PZ-2.

The vertical extent of PCE impacts in groundwater has been determined by MW-3d and PZ-2. However, stable concentrations of vinyl chloride have been detected at depth in MW-3d. All other CVOCs have remained below their respective PALs. The presence of vinyl chloride indicates microbial degradation under anaerobic conditions. Microbes are likely utilizing the petroleum compounds as an added food source to cometabolize both the petroleum and CVOC

compounds. Concentrations of PCE and TCE in PZ-2 are slightly above the PALs, but all other CVOCs are either not detected or below their respective PALs. Therefore, the CVOC plume does not appear to be diving deeper into the water table. This observation, along with the low to moderate concentrations of CVOCs detected in soil and groundwater, suggests that the CVOC plume consists of residual concentrations and does not contain dense non-aqueous phase liquids (DNAPL). These residual concentrations are also consistent with our assessment that solvent releases were small and likely occurred during the early years of the drycleaning operation.

The CVOC plume has spread laterally beyond the Site property boundary in the down-gradient direction of groundwater flow to encroach the Confluence Graphics property and City of Milwaukee right-of-way. However, groundwater impacts have not spread to the north across Hampton Avenue. The highest concentration of PCE observed in off-Site groundwater was reported in a grab groundwater sample from SB-26/GW-6, located on Confluence Graphics property, and in subsequent samples from well MW-13, which yielded PCE concentrations of between 490 to 570 $\mu\text{g/L}$.

The magnitude of CVOC impacts has generally remained consistent across the Site since 2011 with generally a decreasing trend observed over the past two years. Fluctuations in concentrations have been observed for PCE breakdown products indicating varying rates of degradation likely due to the comingling effect of the residual petroleum compounds.

4.4 Soil Gas Analytical Results

The soil gas sample results were compared to WDNR Vapor Risk Screening Levels (VRSLs) for non-residential soil gas, calculated according to the procedures described in WDNR Publication RR-800. According to WDNR guidance document RR-800, soil gas samples collected in utility corridors are considered deep samples. The risk levels for deep soil gas samples can be obtained by multiplying the shallow soil gas/sub-slab risk levels by a factor of ten. Soil gas samples collected to target utility lines include SG-1 through SG-3, SG-6, and SG-7. The soil gas sample analytical results are summarized in **Table 6** and illustrated on **Figure 14**. The laboratory reports are presented in **Appendix I**.

PCE was reported in eight (8) of the 11 soil gas samples. The highest concentration of PCE was reported at the 6194-SB-5 location with a concentration of 176,000 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$). This boring is located on the northwest corner of the property, near where the highest concentration of PCE has been reported in the groundwater. Three (3) soil gas samples (6194-SB-5, 6194-SG-4, and 6194-SG-5) contained PCE above the non-residential VRSL of 1,800

$\mu\text{g}/\text{m}^3$. TCE was reported above the non-residential VRSL at 6194-SB-5 and 6194-SB-6. The other CVOCs, including cis-1,2-DCE, trans-1,2-DCE, and vinyl chloride, were not detected at concentrations above their respective laboratory detection limits.

The concentrations of PCE in samples 6194-SB-5, 6194-SG-4, and 6194-SG-5 exceed the non-residential VRSL for shallow soil gas samples of $1,800 \mu\text{g}/\text{m}^3$ and indicated a risk of PCE vapors to accumulate beneath the Site building slab or nearby building basements, which could lead to a risk of vapor intrusion within these buildings. The concentrations of compounds detected in all other soil gas samples were less than the applicable VRSLs. Sub-slab vapor samples were collected from nearby buildings to further evaluate this risk.

4.5 Sub-Slab Vapor and Indoor Air Sampling Results

The sub-slab vapor sampling results were compared to WDNR VRSLs for commercial buildings, which are calculated according to the procedures described in WDNR Publication RR-800. PCE was detected in sub-slab vapor samples from the Site building at concentrations above the non-residential VRSL of $1,800 \mu\text{g}/\text{m}^3$ in two (2) of the three (3) samples. Sample analytical results for 6194-SSV-2 and 6194-SSV-3 reported PCE at 12,000 and $6,700 \mu\text{g}/\text{m}^3$, respectively.

During a July 2014 sub-slab vapor sampling event at the Confluence Graphics building, the petroleum compound 1,2,4-trimethylbenzene (1,2,4-TMB) was detected at a concentration of $471 \mu\text{g}/\text{m}^3$, which is above the VRSL of $310 \mu\text{g}/\text{m}^3$. CVOC vapors were not detected during this sampling event. However, during a repeat sampling event in October 2014, PCE was detected at a concentration of $3,770 \mu\text{g}/\text{m}^3$ which exceeded the VRSL of $1,800 \mu\text{g}/\text{m}^3$. During the October 2014 event, 1,2,4-TMB was not detected above laboratory detection limits. An additional sub-slab vapor sampling event with paired indoor air sampling conducted in January 2015 detected PCE in sub-slab vapor below the VRSL with no 1,2,4-TMB. The indoor air sample collected during this event did not contain detectable concentrations of CVOCs.

Although PCE was detected in the sub-slab vapor samples from the Shovers Realty and Aliota's property buildings, none exceeded the non-residential VRSL. The sub-slab vapor sampling analytical results are summarized on **Table 7** and illustrated on **Figure 14**. The laboratory report is presented in **Appendix I**.

The indoor air sampling results for the Shovers Realty property to the south of the Site were compared to WDNR Vapor Action Levels (VALs). Although PCE and several petroleum VOCs were detected in the indoor air samples, none exceeded their respective VAL. It should be noted

that many of the same compounds were also detected in the outdoor, background sample at similar concentrations. The indoor air sampling analytical results are summarized on **Table 8** and spatially depicted on **Figure 14**.

The detection of PCE in sub-slab vapor samples above VRSLs at the Site building and at Confluence Graphics requires future actions to mitigate this risk. Risk can be mitigated either through installation of a sub-slab depressurization system, or through successful remediation of the vapor source with periodic monitoring of indoor air during the remediation process.

5.0 CONCLUSIONS AND RECOMMENDATIONS

A release of PCE has occurred from former dry cleaning operations at the Site. The greatest concentration of CVOCs in soil appears to be located on the southwest portion of the Site and extending onto the Shovers Realty property to the south. This location coincides with the location of a former dry cleaning machine near the south corner of the Site building. The source of Site impacts appears to be primarily related to the past operating of this machine. Spills or leakage from this machine could have entered the subsurface through the joint between the concrete floor and the concrete block wall, cracks in these structural elements, or other penetrations. The distribution of impacts would also fit the scenario of surface spills outside the building in this area.

The Site geology consists of fine-grained sand to approximately 12 feet bgs. A more dense silt and clay unit was observed from approximately 12 to 34 feet bgs. A more heterogeneous geologic profile was observed in borings on the southern portion of the investigated area, where interbedded layers of clay, silt, sand and gravel were observed. The water table is generally encountered at around 9 feet bgs; however, the water table has been observed to fluctuate between a depth of 6 and 13 feet bgs. Groundwater flow is toward the north with a westerly component at the northern property boundary. Groundwater flow velocity across the Site is approximately 0.44 feet/day, and the vertical gradient has consistently been downward.

Shallow soil impacts are greatest on the southwest portion of the property, but are not at concentrations that exceed either the residential or industrial direct contact exposure RCLs. However, these soil impacts appear to have generated the groundwater plume. CVOC vapors from soil and groundwater have accumulated at concentrations that exceed commercial risk levels below the foundation slab of the Site building and the adjacent Confluence Graphics building. The aerial extent of soil impacts generally coincides with the aerial extent of the groundwater plume; however, it is likely that the soil impacts extending to the northwest from the soil source area have been transported by groundwater and have been suspended in the capillary fringe and vadose zone by fluctuating groundwater levels over time.

The groundwater PCE plume encompasses the western portion of the Site and extends off-site onto City of Milwaukee right-of-way, Confluence Graphics, and possibly Aliota's properties. The plume is limited in vertical extent as defined by groundwater sampling results from PZ-2. The CVOC plume appears to be stable to receding with evidence of anaerobic dechlorination occurring.

The extent and degree of impacts to all environmental media have been defined from the release of PCE at the Site. The extent of off-Site migration has been defined to the extent practicable. Exposure pathways have been evaluated based on risk criteria established by WDNR. Therefore, based on the requirements of Wisconsin Administrative Code (WAC) NR 716, no further investigative work is warranted at the Site.

A risk of vapor intrusion has been identified at the on-Site building and the adjacent Confluence Graphics building. In accordance with WDNR recommendations, this risk requires mitigation to prevent the intrusion of contaminant vapors to indoor air. We recommend that sub-slab depressurization systems (SSDSs) be installed in these buildings to mitigate the risk. Soil Vapor Extraction (SVE) as applied for Site remediation may be an effective method to eliminate vapor risk. If sufficient radius of influence to capture vapors from beneath these buildings is obtained using SVE, then the SSDSs may be discontinued during or after Site remedial activities.

Remedial actions are also required to reduce concentrations in the soil at the source area and reduce concentrations in groundwater, which are identified as the sources of vapor risk.

Treatment or removal of the soil is recommended for the source area on the southwest portion of the Site and Shovers Realty property. Treatment of the the groundwater plume is also recommended to reduce soil gas concentrations. Various methods of treatment are available that may be applied in-situ due to the permeable nature of the sand unit. These methods may include SVE, and various injectable materials designed to contain and degrade, or destroy the CVOCs. EnviroForensics recommends that pilot testing be performed to determine the most feasible methods for implementation.

Quarterly groundwater monitoring should be continued in order to further evaluate plume stability and flow dynamics. However, the current groundwater monitoring schedule should be revised to include quarterly sampling for these essential wells only: MW-2, MW-3, MW-3d, MW-8, PZ-2, and W-13. The remaining wells should be left in place for potential monitoring during and after remedial actions.

Tables

TABLE 1
MONITORING WELL CONSTRUCTION INFORMATION

One Hour Martinizing
285 East Hampton Avenue
Milwaukee, Wisconsin

Well ID	Date Installed	Drilling Contractor	Drilling Method	Well Diameter (inches)	Northing	Easting	Top of Casing Elevation (ft amsl)	Ground Elevation (ft amsl)	Well Depth (ft bTOC)	Well Depth (ft bgs)	Screened Interval (ft bgs)
MW-2	Unknown	Unknown	Unknown	2	409,240.41	2,558,825.71	642.86	643.03	13.85	14.02	4.0 - 14.0
MW-3	Unknown	Unknown	Unknown	2	409,289.40	2,558,810.32	642.69	642.95	13.25	13.51	3.5 - 13.5
MW-3d	Unknown	Unknown	Unknown	2	409,293.18	2,558,806.46	642.71	642.99	27.96	28.24	18.2 - 28.2
MW-4	Unknown	Unknown	Unknown	2	409,289.76	2,558,828.64	642.36	642.71	13.50	13.85	3.8 - 13.8
MW-5	Unknown	Unknown	Unknown	2	409,268.13	2,558,839.15	642.54	642.75	13.27	13.48	3.4 - 13.4
MW-6	5/31/2013	On-Site Environmental	H.S.A.	2	409,194.38	2,558,832.09	642.99	643.46	16.01	16.48	6.4 - 16.4
MW-7	5/31/2013	On-Site Environmental	H.S.A.	2	409,197.11	2,558,767.87	642.87	643.28	16.05	16.46	6.4 - 16.4
MW-8	5/30/2013	On-Site Environmental	H.S.A.	2	409,230.68	2,558,788.99	642.92	643.37	15.55	16.00	6.0 - 16.0
MW-9	5/30/2013	On-Site Environmental	H.S.A.	2	409,339.87	2,558,712.72	641.13	641.51	15.93	16.31	6.3 - 16.3
MW-10	5/31/2013	On-Site Environmental	H.S.A.	2	409,407.16	2,558,770.01	641.37	641.82	15.87	16.32	6.3 - 16.3
MW-11	7/9/2014	On-Site Environmental	H.S.A.	2	409,334.08	2,558,572.47	640.98	641.49	15.02	15.53	5.5 - 15.5
MW-12	7/9/2014	On-Site Environmental	H.S.A.		409,423.15	2,558,572.96	640.76	641.29	14.80	15.33	5.3 - 15.3
MW-13	11/3/2014	On-Site Environmental	H.S.A.	2	409,308.87	2,558,754.15	642.18	642.55	15.22	15.59	5.5 - 15.5
W-10	Unknown	Unknown	Unknown	2	409,319.19	2,558,849.93	641.99	642.56	19.99	20.56	10.5 - 20.5
W-11	Unknown	Unknown	Unknown	2	409,249.12	2,558,854.54	642.28	642.65	16.63	17.00	7.0 - 17.0
W-13	Unknown	Unknown	Unknown	2	409,321.44	2,558,769.46	641.80	642.59	12.22	13.01	3.0 - 13.0
PZ-2	5/30/2013	On-Site Environmental	H.S.A.	2	409,231.02	2,558,784.91	642.97	643.33	33.60	33.96	28.9 - 33.9

Notes:

Survey performed by Surveying Associates, Inc.

ft bgs = feet below ground surface

ft amsl = feet above mean sea level

Table 2
Groundwater Elevation Data
One Hour Martinizing
285 E Hampton Avenue
Milwaukee, Wisconsin

Monitoring Well I.D.	Date	Top of Casing Elevation (feet amsl)	Depth to Water (feet)	Groundwater Elevation (feet amsl)
MW-2	1/4/2011	642.86	10.69	632.17
	4/26/2011	642.86	8.91	633.95
	9/9/2011	642.86	9.97	632.89
	12/20/2011	642.86	10.39	632.47
	2/23/2012	642.86	10.49	632.37
	5/24/2012	642.86	10.91	631.95
	6/13/2013	642.86	9.74	633.12
	9/26/2013	642.86	10.85	632.01
	12/18/2013	642.86	11.40	631.46
	3/27/2014	642.86	11.37	631.49
	6/27/2014	642.86	9.48	633.38
	10/1/2014	642.86	10.48	632.38
	12/30/2014	642.86	10.84	632.02
3/5/2015	642.86	11.31	631.55	
MW-3	1/4/2011	642.69	10.66	632.03
	4/26/2011	642.69	9.22	633.47
	9/9/2011	642.69	9.95	632.74
	12/20/2011	642.69	10.79	631.90
	2/23/2012	642.69	10.45	632.24
	5/24/2012	642.69	11.51	631.18
	6/13/2013	642.69	10.19	632.50
	9/26/2013	642.69	11.07	631.62
	12/18/2013	642.69	11.48	631.21
	3/27/2014	642.69	11.36	631.33
	6/27/2014	642.69	6.7	635.99
	10/1/2014	642.69	10.57	632.12
	12/30/2014	642.69	10.92	631.77
3/5/2015	642.69	11.22	631.47	
MW-3d	1/4/2011	642.71	10.69	632.02
	4/26/2011	642.71	9.27	633.44
	9/9/2011	642.71	10.08	632.63
	12/20/2011	642.71	10.81	631.90
	2/23/2012	642.71	10.67	632.04
	5/24/2012	642.71	11.70	631.01
	6/13/2013	642.71	10.29	632.42
	9/26/2013	642.71	10.69	632.02
	12/18/2013	642.71	11.51	631.20
	3/27/2014	642.71	11.50	631.21
	6/27/2014	642.71	6.79	635.92
	10/1/2014	642.71	10.67	632.04
	12/30/2014	642.71	10.94	631.77
3/5/2015	642.71	12.30	630.41	
MW-4	1/4/2011	642.36	10.24	632.12
	4/26/2011	642.36	8.61	633.75
	9/9/2011	642.36	9.60	632.76
	12/20/2011	642.36	10.01	632.35
	2/23/2012	642.36	10.13	632.23
	5/24/2012	642.36	11.02	631.34
	6/13/2013	642.36	9.82	632.54
	9/26/2013	642.36	10.63	631.73
	12/18/2013	642.36	11.06	631.30
	3/27/2014	642.36	11.00	631.36
	6/27/2014	642.36	9.37	632.99
	10/1/2014	642.36	10.21	632.15
	12/30/2014	642.36	10.56	631.8
3/5/2015	642.36	10.92	631.44	

Notes:
amsl = above mean sea level

**Table 2 (cont.)
Groundwater Elevation Data
One Hour Martinizing
285 E Hampton Avenue
Milwaukee, Wisconsin**

Monitoring Well I.D.	Date	Top of Casing Elevation (feet amsl)	Depth to Water (feet)	Groundwater Elevation (feet amsl)
MW-5	1/4/2011	642.54	10.53	632.01
	4/26/2011	642.54	8.75	633.79
	9/9/2011	642.54	9.86	632.68
	12/20/2011	642.54	10.22	632.32
	2/23/2012	642.54	10.31	632.23
	5/24/2012	642.54	10.92	631.62
	6/13/2013	642.54	9.85	632.69
	9/26/2013	642.54	10.69	631.85
	12/18/2013	642.54	11.12	631.42
	3/27/2014	642.54	11.15	631.39
	6/27/2014	642.54	9.37	633.17
	10/1/2014	642.54	10.32	632.22
	12/30/2014	642.54	10.75	631.79
3/5/2015	642.54	11.08	631.46	
MW-6	6/13/2013	642.99	9.12	633.87
	9/26/2013	642.99	10.06	632.93
	12/18/2013	642.99	10.93	632.06
	3/27/2014	642.99	10.77	632.22
	6/26/2014	642.99	8.77	634.22
	10/1/2014	642.99	10.25	632.74
	12/30/2014	642.99	10.72	632.27
	3/5/2015	642.99	11.44	631.55
MW-7	6/13/2013	642.87	8.75	634.12
	9/26/2013	642.87	10.76	632.11
	12/18/2013	642.87	11.25	631.62
	3/27/2014	642.87	11.15	631.72
	6/26/2014	642.87	8.22	634.65
	10/1/2014	642.87	10.36	632.51
	12/30/2014	642.87	10.84	632.03
	3/5/2015	642.87	11.16	631.71
MW-8	6/13/2013	642.92	9.90	633.02
	9/26/2013	642.92	11.16	631.76
	12/18/2013	642.92	10.58	632.34
	3/27/2014	642.92	11.49	631.43
	6/26/2014	642.92	9.55	633.37
	10/1/2014	642.92	10.68	632.24
	12/30/2014	642.92	11.08	631.84
	3/5/2015	642.92	11.39	631.53
MW-9	6/13/2013	641.13	13.35	627.78
	9/26/2013	641.13	11.69	629.44
	12/18/2013	641.13	11.43	629.70
	3/27/2014	641.13	10.48	630.65
	6/27/2014	641.13	8.75	632.38
	10/1/2014	641.13	9.52	631.61
	12/30/2014	641.13	9.69	631.44
	3/5/2015	641.13	9.89	631.24
MW-10	6/13/2013	641.37	8.92	632.45
	9/26/2013	641.37	9.50	631.87
	12/18/2013	641.37	9.83	631.54
	3/27/2014	641.37	9.75	631.62
	6/26/2014	641.37	8.48	632.89
	10/1/2014	641.37	9.07	632.3
	12/30/2014	641.37	9.39	631.98
	3/5/2015	641.37	9.64	631.73
MW-11	7/11/2014	640.76	7.45	633.31
	10/1/2014	640.76	8.85	631.91
	12/30/2014	640.76	9.14	631.62
	3/5/2015	640.76	9.40	631.36

Notes:
amsl = above mean sea level

**Table 2 (cont.)
Groundwater Elevation Data
One Hour Martinizing
285 E Hampton Avenue
Milwaukee, Wisconsin**

Monitoring Well I.D.	Date	Top of Casing Elevation (feet amsl)	Depth to Water (feet)	Groundwater Elevation (feet amsl)
MW-12	7/11/2014	640.76	7.44	633.32
	10/1/2014	640.76	8.43	632.33
	12/30/2014	640.76	8.71	632.05
	3/5/2015	640.76	9.88	630.88
MW-13	10/1/2014	642.18	10.00	632.18
	12/30/2014	642.18	10.50	631.68
	3/5/2015	642.18	10.72	631.46
W-10	1/4/2011	641.99	10.12	631.87
	4/26/2011	641.99	8.69	633.30
	9/9/2011	641.99	9.45	632.54
	12/20/2011	641.99	9.76	632.23
	2/23/2012	641.99	9.89	632.10
	5/24/2012	641.99	10.80	631.19
	6/13/2013	641.99	9.53	632.46
	9/26/2013	641.99	10.31	631.68
	12/18/2013	641.99	11.78	630.21
	3/27/2014	641.99	10.76	631.23
	6/26/2014	641.99	9.17	632.82
	10/1/2014	641.99	9.95	632.04
	12/30/2014	641.99	10.34	631.65
	3/5/2015	641.99	10.66	631.33
W-11	1/4/2011	642.28	10.21	632.07
	4/26/2011	642.28	8.98	633.30
	9/9/2011	642.28	9.60	632.68
	12/20/2011	642.28	9.93	632.35
	2/23/2012	642.28	10.06	632.22
	5/24/2012	642.28	10.36	631.92
	6/13/2013	642.28	9.13	633.15
	9/26/2013	642.28	10.23	632.05
	12/18/2013	642.28	11.72	630.56
	3/27/2014	642.28	10.77	631.51
	6/26/2014	642.28	8.93	633.35
	10/1/2014	642.28	10	632.28
	12/30/2014	642.28	10.43	631.85
	3/5/2015	642.28	10.82	631.46
W-13	1/4/2011	641.80	9.68	632.12
	4/26/2011	641.80	8.50	633.30
	9/9/2011	641.80	9.14	632.66
	12/20/2011	641.80	9.47	632.33
	2/23/2012	641.80	9.60	632.20
	5/24/2012	641.80	11.02	630.78
	6/13/2013	641.80	9.75	632.05
	9/26/2013	641.80	10.39	631.41
	12/18/2013	641.80	11.74	630.06
	3/27/2014	641.80	10.60	631.2
	6/27/2014	641.80	8.99	632.81
	10/1/2014	641.80	9.74	632.06
	12/30/2014	641.80	10.05	631.75
	3/5/2015	641.80	10.30	631.5
PZ-2	6/13/2013	642.97	14.54	628.43
	9/26/2013	642.97	15.25	627.72
	12/18/2013	642.97	15.95	627.02
	3/27/2014	642.97	15.9	627.07
	6/26/2014	642.97	14.65	628.32
	10/1/2014	642.97	14.5	628.47
	12/30/2014	642.97	15.22	627.75
3/5/2015	642.97	15.64	627.33	

Table 3
Summary of Soil Sample Analytical Results
One Hour Martinizing
285 East Hampton Avenue
Milwaukee, Wisconsin

Boring Identification	Depth (feet)	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride	Benzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Bromobenzene	1,4-Dichlorobenzene	1,3-Dichlorobenzene	Chlorobenzene	Ethylbenzene	Isopropylbenzene	Naphthalene	n-Butylbenzene	N-Propylbenzene	p-Isopropyltoluene	Toluene	Xylenes (total)
Industrial Residual Contaminant Level			153,000	8,810	2,040,000	1,670,000	2,030	7,410	219,000	182,000	679,000	17,500	297,000	761,000	37,000	NE	26,000	NE	264,000	162,000	818,000	258,000
Residential Residual Contaminant Level			30,700	1,260	156,000	1,560,000	67.1	1,490	89,800	182,000	354,000	3,480	297,000	392,000	7,470	NE	5,150	NE	264,000	162,000	818,000	258,000
Soil to Groundwater Residual Contaminant Level			4.5	3.6	41.2	58.8	0.14	5.1	1,394	1,380	36.4	144	1,152.8	98	1,570	NE	659	NE	1,970	NE	1,384	19,700
SB-1	4-6	9/21/2010	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 40.4	< 25.0	< 25.0	< 25.0	< 75.0
SB-2	4-6	9/21/2010	1,020	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 40.4	< 25.0	< 25.0	< 25.0	< 75.0
SB-3	4-6	9/21/2010	3,660	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 40.4	< 25.0	< 25.0	< 25.0	< 75.0
SB-4	4-6	9/21/2010	203	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 40.4	< 25.0	< 25.0	< 25.0	< 75.0
SB-5	4-6	9/21/2010	449	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 40.4	< 25.0	< 25.0	< 25.0	< 75.0
SB-6	4-6	9/21/2010	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 40.4	< 25.0	< 25.0	< 25.0	< 75.0
SB-7	4-6	9/21/2010	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 40.4	< 25.0	< 25.0	< 25.0	< 75.0
SB-8	4-6	9/21/2010	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 40.4	< 25.0	< 25.0	< 25.0	< 75.0
SB-9	4-6	9/21/2010	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 40.4	< 25.0	< 25.0	< 25.0	< 75.0
SB-10	4-6	9/21/2010	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 40.4	< 25.0	< 25.0	< 25.0	< 75.0
SB-11	4-6	9/21/2010	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	39.6 J	74.5	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	86.5	< 25.0	< 25.0	< 40.4	< 25.0	< 25.0	55.0J	284
SB-interior-1	4-5	5/29/2013	1,700	< 21	< 14	< 28	< 12	< 8.4	< 24	< 23	< 48	< 20	< 29	< 52	< 14	< 28	< 56	< 15	< 20	< 21	< 13	< 7.7
	7-8	5/29/2013	1,100	< 19	< 12	< 25	< 10	< 7.4	< 21	< 20	< 42	< 17	< 26	< 14	< 13	< 25	< 49	< 13	< 17	< 18	< 11	< 6.8
SB-interior-2	4-5	5/29/2013	220	< 15	< 10	< 20	< 8.5	< 6.1	< 17	< 17	< 35	< 14	< 21	< 12	< 10	< 21	< 40	< 11	< 14	< 15	< 9.4	< 5.6
	10-11	5/29/2013	2,600	28 J	< 11	< 23	< 9.4	< 6.7	< 19	< 19	< 38	< 16	< 23	< 13	< 11	< 23	< 45	< 12	< 16	< 17	< 10	< 6.2
SG-1	3-4	5/29/2013	< 14	< 15	< 10	< 21	< 8.6	460	960	340	< 35	< 14	< 21	< 12	670	< 21	96 J	< 11	200	< 15	1,700	2,800
SG-2	5-6	5/29/2013	< 9.7	< 11	< 7.2	< 15	< 6.1	< 4.3	< 12	< 12	< 25	< 10	< 15	< 8.3	< 7.3	< 15	< 29	< 7.5	< 10	< 11	< 6.7	< 4.0
SG-3	3-4	5/29/2013	< 10	< 11	< 7.4	< 15	< 6.2	< 4.5	< 13	< 12	< 25	< 10	< 15	< 8.6	< 7.6	< 15	< 30	< 7.7	< 10	< 11	< 6.9	< 4.1
SB-12	6-8	5/31/2013	< 18	31 J	< 13	< 27	< 11	29	< 23	< 22	< 46	< 19	< 28	< 15	25 J	< 27	< 53	< 14	< 19	< 20	40	47 J
SB-13	4-5	5/31/2013	20,000	940	< 18	< 37	< 15	45	790	150 J	< 63	< 26	< 38	< 30	290	130 J	700	120 J	190 J	110 J	120	1,100
	7-8	5/31/2013	310	66	< 14	< 28	< 12	58	< 24	< 23	94 J	< 20	< 29	71 J	57	< 29	< 56	< 15	< 20	< 21	< 13	130
SB-14	4-5	5/30/2013	21,000	55	< 8.7	< 18	< 7.3	< 5.2	< 15	< 14	< 30	< 12	< 18	< 10	< 8.9	< 18	< 35	< 9.1	< 12	< 13	17 J	< 4.8
	7-8	5/30/2013	1,600	< 11	< 7.6	< 15	< 6.4	< 4.6	< 13	< 13	< 26	< 11	< 16	< 8.8	< 7.7	< 15	< 30	< 7.9	< 11	< 11	< 7.1	< 4.2
SB-15	4-5	5/29/2013	510	29 J	< 10	< 21	< 8.7	20 J	< 18	< 17	< 35	< 14	< 21	< 12	< 10	< 21	< 41	< 11	< 15	< 15	29	< 5.7
	8-9	5/29/2013	380	22 J	< 8.3	< 17	< 7.0	< 5.0	< 14	< 14	< 29	< 12	< 17	< 9.6	< 8.5	< 17	< 33	< 8.7	< 12	< 12	16 J	< 4.6

Table 3 (cont.)
Soil Sample Analytical Results
One Hour Martinizing
285 East Hampton Avenue
Milwaukee, Wisconsin

Boring Identification	Depth (feet)	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride	Benzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Bromobenzene	1,4-Dichlorobenzene	1,3-Dichlorobenzene	Chlorobenzene	Ethylbenzene	Isopropylbenzene	Naphthalene	n-Butylbenzene	N-Propylbenzene	p-Isopropyltoluene	Toluene	Xylenes (total)
Industrial Residual Contaminant Level			153,000	8,810	2,040,000	1,670,000	2,030	7,410	219,000	182,000	679,000	17,500	297,000	761,000	37,000	NE	26,000	NE	264,000	162,000	818,000	258,000
Residential Residual Contaminant Level			30,700	1,260	156,000	1,560,000	67.1	1,490	89,800	182,000	354,000	3,480	297,000	392,000	7,470	NE	5,150	NE	264,000	162,000	818,000	258,000
Soil to Groundwater Residual Contaminant Level			4.5	3.6	41.2	58.8	0.14	5.1	1,394	1,380	36.4	144	1,152.8	98	1,570	NE	659	NE	1,970	NE	1,384	19,700
SB-16	4-5	5/31/2013	< 11	< 12	< 7.9	< 16	< 6.7	< 4.7	< 24	< 13	< 27	< 11	< 16	< 9.1	16	< 16	< 32	< 8.2	< 11	< 12	< 7.4	14 J
	7-8	5/31/2013	< 8.4	< 9.3	< 6.2	< 13	< 5.2	< 3.7	< 11	< 10	< 21	< 8.7	< 13	< 7.2	< 6.3	< 13	< 25	< 6.5	< 8.8	< 9.3	11 J	< 3.4
SB-17	4	7/8/2014	< 49	< 28	< 24	< 29	< 21	< 9.2	< 26	< 26	< 13	< 33	< 30	< 16	< 10	< 25	< 114	< 26	< 24	< 31	< 20	< 99
	7	7/8/2014	< 49	< 28	< 24	< 29	< 21	< 9.2	< 26	< 26	< 13	< 33	< 30	< 16	< 10	< 25	< 114	< 26	< 24	< 31	< 20	< 99
SB-18	4	7/8/2014	< 49	< 28	< 24	< 29	< 21	< 9.2	< 26	< 26	< 13	< 33	< 30	< 16	< 10	< 25	< 114	< 26	< 24	< 31	< 20	< 99
	7	7/8/2014	< 49	< 28	< 24	< 29	< 21	< 9.2	< 26	< 26	< 13	< 33	< 30	< 16	< 10	< 25	< 114	< 26	< 24	< 31	< 20	< 99
SB-19	4	7/8/2014	< 49	< 28	< 24	< 29	< 21	< 9.2	< 26	< 26	< 13	< 33	< 30	< 16	< 10	< 25	< 114	< 26	< 24	< 31	< 20	< 99
	7	7/8/2014	< 49	< 28	< 24	< 29	< 21	< 9.2	< 26	< 26	< 13	< 33	< 30	< 16	< 10	< 25	< 114	< 26	< 24	< 31	< 20	< 99
SB-20	3	7/9/2014	< 49	< 28	< 24	< 29	< 21	< 9.2	< 26	< 26	< 13	< 33	< 30	< 16	< 10	< 25	< 114	< 26	< 24	< 31	< 20	< 99
	7	7/9/2014	< 49	< 28	< 24	< 29	< 21	< 9.2	< 26	< 26	< 13	< 33	< 30	< 16	< 10	< 25	< 114	< 26	< 24	< 31	< 20	< 99
SB-21	4	7/8/2014	< 49	< 28	< 24	< 29	< 21	< 9.2	< 26	< 26	< 13	< 33	< 30	< 16	< 10	< 25	< 114	< 26	< 24	< 31	< 20	< 99
	7	7/8/2014	< 49	< 28	< 24	< 29	< 21	< 9.2	< 26	< 26	< 13	< 33	< 30	< 16	< 10	< 25	< 114	< 26	< 24	< 31	< 20	< 99
SB-22	4	7/8/2014	< 49	< 28	< 24	< 29	< 21	< 9.2	< 26	< 26	< 13	< 33	< 30	< 16	< 10	< 25	< 114	< 26	< 24	< 31	45 J	< 99
	7	7/8/2014	< 49	< 28	< 24	< 29	< 21	< 9.2	< 26	< 26	< 13	< 33	< 30	< 16	< 10	< 25	< 114	< 26	< 24	< 31	< 20	< 99
SB-23	4	7/8/2014	< 49	< 28	< 24	< 29	< 21	312	350	151	< 13	188	31.6 J	297	320	< 25	< 114	33 J	104	< 31	175	1,365
	7	7/8/2014	< 49	< 28	< 24	< 29	< 21	< 9.2	< 26	< 26	< 13	< 33	< 30	< 16	< 10	< 25	< 114	< 26	< 24	< 31	< 20	< 99
SB-24	3	7/9/2014	< 49	< 28	< 24	< 29	< 21	< 9.2	< 26	29 J	< 13	< 33	< 30	< 16	138	< 25	< 114	< 26	41 J	< 31	< 20	< 99
	7	7/9/2014	< 49	< 28	< 24	< 29	< 21	< 9.2	< 26	< 26	< 13	< 33	< 30	< 16	< 10	< 25	< 114	< 26	< 24	< 31	< 20	< 99
SB-26	3	7/21/2014	910	< 28	< 24	< 29	< 21	< 9.2	< 26	< 26	< 13	< 33	< 30	< 16	< 10	< 25	< 114	< 26	< 24	< 31	< 20	< 99
	7	7/21/2014	189	< 28	< 24	< 29	< 21	< 9.2	< 26	< 26	< 13	< 33	< 30	< 16	< 10	< 25	< 114	< 26	< 24	< 31	< 20	< 99
SB-27	3	7/21/2014	890	< 28	< 24	< 29	< 21	< 9.2	< 26	< 26	< 13	< 33	< 30	< 16	< 10	< 25	< 114	< 26	< 24	< 31	< 20	< 99
	7	7/21/2014	79 J	< 28	< 24	< 29	< 21	< 9.2	< 26	< 26	< 13	< 33	< 30	< 16	< 10	< 25	< 114	< 26	< 24	< 31	< 20	< 99
SB-29	1	11/3/2014	11200*	83 J	49 J	< 29	< 21	< 9.2	< 26	< 26	< 13	< 33	< 30	< 16	< 10	< 25	< 114	< 26	< 24	< 31	< 20	< 99
	3	11/3/2014	2830^	< 28	< 24	< 29	< 21	< 9.2	< 26	< 26	< 13	< 33	< 30	< 16	< 10	< 25	< 114	< 26	< 24	< 31	< 20	< 99
	5	11/3/2014	550^	< 28	< 24	< 29	< 21	< 9.2	< 26	< 26	< 13	< 33	< 30	< 16	< 10	< 25	< 114	< 26	< 24	< 31	< 20	< 99
	7	11/3/2014	2860^	< 28	< 24	< 29	< 21	< 9.2	< 26	< 26	< 13	< 33	< 30	< 16	< 10	< 25	< 114	< 26	< 24	< 31	< 20	< 99
	9	11/3/2014	1800^	< 28	< 24	< 29	< 21	< 9.2	< 26	< 26	< 13	< 33	< 30	< 16	< 10	< 25	< 114	< 26	< 24	< 31	< 20	< 99

Notes:
Wisconsin Department of Natural Resources (WDNR) Residual Contaminant Level (RCL) based on United States Environmental Protection Agency (USEPA) Region 3, 6, and 9 Regional Screening Levels and calculated in accordance with WDNR Publication RR-890.
Results reported in micrograms per kilogram (ug/kg)
Bolded values are reported above the laboratory detection limit.
Bolded and blue shaded values exceed the WDNR Soil to Groundwater RCL
J - Analyte detected between the Limit of Quantitation and the Detection Limit
* Toxicity Characterist Leaching Procedure (TCLP) analysis of this sample yielded 0.081 milligrams per liter (mg/L).
^ Toxicity Characteristic Leaching Procedure (TCLP) analysis of this sample yielded <0.05 milligrams per liter (mg/L).

Table 4
Grab Groundwater Sample Analytical Results
 One Hour Martinizing
 285 East Hampton Avenue
 Milwaukee, Wisconsin

Boring Identification	Sample Depth	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride	Chloromethane	Benzene	sec-Butylbenzene	n-Butylbenzene	Ethylbenzene	Isopropylbenzene	Naphthalene	n-Propylbenzene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes (total)
SB-1	9.5	9/21/2010	< 0.90	< 0.96	< 1.7	< 1.8	< 0.36	< 0.48	152	< 1.8	< 1.9	< 1.1	< 1.2	< 1.8	< 1.6	< 1.3	< 1.9	< 1.7	< 5.3
SB-2	9.0	9/21/2010	1,710	51.2	< 16.6	< 17.8	< 3.6	< 4.8	10.6 J	< 17.8	< 18.6	< 10.8	< 11.8	< 17.8	< 16.2	< 13.4	< 19.4	< 16.6	< 52.6
SB-3	9.0	9/21/2010	1,330	78.5	< 8.3	< 8.9	< 1.8	< 2.4	151	< 8.9	< 9.3	< 5.4	< 5.9	< 8.9	< 8.1	< 6.7	< 9.7	< 8.3	< 16.3
SB-4	8.5	9/21/2010	379	14.3	< 2.1	< 2.2	< 0.45	< 0.60	< 1.0	< 2.2	< 2.3	< 1.4	< 1.5	< 2.2	< 2.0	< 1.7	< 2.4	< 2.1	< 6.6
SB-5	9.0	9/21/2010	108	17.6	24.8	6.5	12.0	< 0.48	5.3	< 1.8	< 1.9	47.9	7.0	< 1.8	20.9	< 1.3	< 1.9	< 1.7	< 5.3
SB-6	10.0	9/21/2010	15.2	1.60 J	6.0	7.2	3.2	< 0.60	80.3	< 2.2	< 2.3	227	5.4	41.9	17.0	11.9	121	9.6	240
SB-7	9.0	9/21/2010	< 0.90	< 0.96	< 1.7	< 1.8	< 0.36	0.57 J	6.1	< 1.8	< 1.9	37.2	4.00	16.3	14.7	16.1	90.1	23.6	109
SB-8	9.0	9/21/2010	< 1.1	< 1.2	< 2.1	< 2.2	< 0.45	0.80 J	47.2	< 2.2	< 2.3	129	16.9	81.7	43.5	25.9	180	8.8	271
SB-9	9.0	9/21/2010	< 2.2	< 2.4	< 4.2	< 4.4	< 0.18	< 1.2	28.4	< 4.4	< 4.6	32.8	8.9	59.5	21.9	< 3.4	214	5.0	531
SB-10	8.5	9/21/2010	1.00	< 0.48	< 0.83	< 0.89	< 0.18	< 0.24	5.5	0.96 J	< 0.93	1.1	15.2	1.50	20.1	0.93 J	1.40	< 0.83	< 2.6
SB-11	8.0	9/21/2010	< 22.5	< 24.0	< 41.5	< 44.5	< 9.0	< 12.0	< 20.5	< 44.5	< 46.5	486	97.2	621	282	< 33.5	4,300	980	3,476
GW-1	8.5	7/8/2014	< 0.33	< 0.33	< 0.38	< 0.35	< 0.18	< 0.81	< 0.24	< 0.33	< 0.35	< 0.55	< 0.3	< 1.7	< 0.25	< 0.69	< 2.2	< 1.4	< 0.69
GW-2	7.75	7/8/2014	< 0.33	< 0.33	< 0.38	< 0.35	< 0.18	< 0.81	0.33 J	< 0.33	< 0.35	< 0.55	< 0.3	< 1.7	< 0.25	< 0.69	< 2.2	< 1.4	< 0.69
GW-3	7.75	7/8/2014	< 6.6	< 6.6	< 7.6	< 7	< 3.6	< 16.2	< 4.8	< 6.6	7 J	230	12.6 J	65 J	29.2	< 13.8	400	< 28	< 13.8
GW-4	8.5	7/8/2014	< 16.5	< 16.5	< 19	< 17.5	< 9	< 40.5	40	26 J	44 J	450	34 J	350	146	1,020	1,230	340	6,450
GW-5	9.0	7/9/2014	< 33	< 33	< 38	< 35	< 18	< 81	< 24	52 J	210	2,000	166	850	500	< 69	3,900	1,000	6,280
GW-6	8.25	7/21/2014	490	13	< 3.8	< 3.5	< 1.8	< 8.1	< 2.4	< 3.3	< 3.5	< 5.5	< 3	< 17	< 2.5	< 6.9	< 22	< 14	< 6.9
GW-7	8.0	7/21/2014	3.2	< 0.33	< 0.38	< 0.35	< 0.18	< 0.81	0.67 J	< 0.33	< 0.35	< 0.55	< 0.3	< 1.7	< 0.25	< 0.69	< 2.2	< 1.4	< 0.69
Public Health Preventive Action Limit (ug/L)			0.5	0.5	7.0	20	0.02	0.83	0.5	NE	NE	140	NE	10	NE	200	96	96	1,000
Public Health Enforcement Standard (ug/L)			5	5	70	100	0.2	8.3	5	NE	NE	700	NE	100	NE	1,000	480	480	10,000

Notes:

All results reported in units of micrograms per liter (ug/L)

Samples analyzed using EPA SW-846 Method 8260

Bolded and orange shaded values exceed the Public Health Enforcement Standard

Bolded and blue shaded values exceed the Public Health Preventive Action Limit

Bolded values are above detection limits

J=Analyte concentration reported between the laboratory Limit of Quantitation and the laboratory Method Detection Limit.

NE = Not Established



Table 5
Monitoring Well Groundwater Sample Analytical Results
 One Hour Martinizing
 285 East Hampton Avenue
 Milwaukee, Wisconsin

Monitoring Well Identification	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	Chloroethane	Chlorobenzene	Benzene	n-Butylbenzene	sec-Butylbenzene	2,3-Dichloropropene	Ethylbenzene	Isopropylbenzene	Methyl-tert-Butyl Ether	Naphthalene	n-Propylbenzene	Toluene	p-Isopropyltoluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	1,1,1-Trichloroethane	Xylene (Total)	Chloroform
Preventive Action Limit (ug/l)		0.5	0.5	7	20	0.7	0.02	80	20	0.5	NE	NE	NE	140	NE	12	10	NE	200	NE	96	96	40	1,000	0.60
Enforcement Standard (ug/l)		5	5	70	100	7	0.2	400	100	5	NE	NE	NE	700	NE	60	100	NE	1,000	NE	480	480	200	10,000	6
MW-2	1/4/2011	8.8	<0.20	<0.50	<0.50	<0.50	<0.20	<1.0	<0.20	<0.20	<0.20	<0.25	<0.25	<0.50	<0.20	<0.50	<0.25	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.50	<0.28
	4/26/2011	6.9	<0.48	<0.83	<0.89	<0.57	<0.18	<0.97	<0.41	<0.41	<0.93	<0.89	NA	<0.54	<0.59	<0.61	<0.89	<0.81	<0.67	<0.67	<0.97	<0.83	<0.90	<0.83	<0.28
	9/9/2011	11.7	<0.48	<0.83	<0.89	<0.57	<0.18	<0.97	<0.41	<0.41	<0.93	<0.89	NA	<0.54	<0.59	<0.61	<0.89	<0.81	<0.67	<0.67	<0.97	<0.83	<0.90	<2.63	<0.28
	12/20/2011	7.8	<0.20	<0.50	<0.50	<0.50	<0.20	<1.0	<0.41	<0.20	<0.20	<0.25	NA	<0.50	<0.20	<0.50	<0.25	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.50	<0.28
	2/23/2012	6.4	<0.20	<0.50	<0.50	<0.50	<0.20	<1.0	<0.20	<0.20	<0.20	<0.25	NA	<0.50	<0.20	<0.50	<0.25	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.50	<0.28
	5/25/2012	7.3	<0.19	<0.60	<0.25	<0.31	<0.10	<0.34	<0.14	<0.074	<0.13	<0.15	NA	<0.13	<0.14	<0.24	<0.16	<0.13	<0.11	<0.17	<0.24	<0.31	<0.20	<0.068	<0.28
	6/13/2013	7.0	<0.19	<0.12	<0.25	<0.31	<0.10	<0.34	<0.14	<0.074	<0.13	<0.15	NA	<0.13	<0.14	<0.24	<0.16	<0.13	<0.11	<0.17	<0.14	<0.18	<0.20	<0.068	<0.28
	9/27/2013	6.9	0.38 J	<0.38	<0.35	<0.4	<0.18	<0.63	<0.24	0.28 J	<0.35	<0.33	NA	<0.55	<0.3	<0.23	<1.7	<0.25	<0.69	<0.31	<2.2	<1.4	<0.33	<0.69	<0.28
	12/18/2013	6.5	<0.33	<0.38	<0.35	<0.4	<0.18	<0.63	<0.24	<0.24	<0.35	<0.33	NA	<0.55	<0.3	<0.23	<1.7	<0.25	<0.69	<0.31	<2.2	<1.4	<0.33	<0.69	<0.28
	3/27/2014	3.7	<0.33	<0.38	<0.35	<0.4	<0.18	<0.63	<0.24	<0.24	<0.35	<0.33	NA	<0.55	<0.3	<0.23	<1.7	<0.25	<0.69	<0.31	<2.2	<1.4	<0.33	<0.69	<0.28
	6/27/2014	6.8	<0.33	<0.38	<0.35	<0.4	<0.18	<0.63	<0.24	<0.24	0.54 J	<0.33	NA	<0.55	<0.3	<0.23	2.23 J	<0.25	<0.69	<0.31	8.2	2.75 J	<0.33	11.57	<0.28
	10/2/2014	7.3	<0.33	<0.38	<0.35	<0.4	<0.18	<0.63	<0.24	<0.24	<0.35	<0.33	NA	<0.55	<0.3	<0.23	<1.7	<0.25	<0.69	<0.31	<2.2	<1.4	<0.33	<0.69	<0.28
	12/30/2014	7.1	<0.47	<0.45	<0.54	<0.65	<0.17	<0.65	<0.46	<0.44	<1	<1.2	NA	<0.71	<0.82	<1.1	<1.6	<0.77	<0.44	<1.1	<1.6	<1.5	<0.84	<2.2	<0.43
3/5/2015	4.5	<0.47	<0.45	<0.54	NA	<0.17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-3	1/4/2011	5.7 J	<0.20	23	<5.0	<5.0	8.9 J	<10.0	<2.0	600	7.6 J	4.1 J	<2.5	220	6.9 J	<0.50	27 J	20	8.2 J	<0.20	260	3.2 J	<5.0	210	<0.28
	4/26/2011	14.1	<0.48	<0.83	<0.89	<0.57	<0.18	<0.97	<0.41	0.63 J	<0.93	<0.89	NA	<0.54	<0.59	<0.59	<0.89	<0.81	<0.67	<0.67	<0.97	<0.83	<0.90	<0.83	<0.28
	9/9/2011	7.0	3.0	5.7	5.5	<0.57	<0.18	<0.97	<0.41	185	23.4	7.5	NA	39.8	4.3	<0.62	2.7 J	11.7	2.5	5.4	26.6	<0.83	<0.90	16.8	<0.28
	12/20/2011	<2.0	<0.80	5.3 J	<2.0	<2.0	15	<4.0	<0.41	380	15	5.3 J	NA	220	5.4 J	<2.0	23	12	5.3 J	3.9 J	100	9.4	<2.0	41	<0.28
	2/23/2012	<2.0	<0.80	8.6	2.1 J	<2.0	8.8	<4.0	<0.80	400	8.0	3.8 J	NA	260	5.3 J	<2.0	24	11	5.4 J	2.7 J	200	<0.83	<2.0	71	<0.28
	5/25/2012	<0.85	<0.95	<0.60	<1.3	<1.6	32	<1.7	<0.70	590	<0.65	6.9	NA	600	16	<1.2	55	44	85	4.3 J	260	3.9 J	<1.0	580	<0.28
	6/14/2013	<0.17	<0.19	20	<0.25	<0.31	4.2 J	<0.34	<0.14	390	52	9.5 J	NA	1,700	60	<0.24	500	170	100	<0.17	2,300	500	<2.0	6,700	<0.28
	9/27/2013	4.3 J	<3.3	5.5 J	<3.5	<0.4	3.2 J	<6.3	<2.4	196	25.6	7.3 J	NA	1,030	33	<2.3	420	96	59	3.7 J	1,280	229	<3.3	3,850	<0.28
	12/18/2013	<3.3	<3.3	<3.8	<3.5	<4.0	3.2 J			109	16.4	4.4 J	NA	560	19	<2.3	210	52	31	19.0	740	130	<3.3	1,646	<0.28
	3/28/2014	<3.3	<3.3	<3.8	<3.5	<4.0	2.2 J	<6.3	<2.4	75	35	6.9 J	NA	580	27.5	<2.3	195	75	38	3.5 J	1,030	274	<3.3	2,320	<0.28
	6/27/2014	<3.3	<3.3	7.8 J	<3.5	<4	2.4 J	<6.3	<2.4	96	38	8.2 J	NA	330	15.2	<2.3	330	38	33	4.2 J	1,270	350	<3.3	2,870	<0.28
	10/1/2014	<3.3	<3.3	<3.8	<3.5	<4.0	6.8 J	<6.3	<2.4	139	43	11.8 J	NA	570	25.4	<2.3	710	62	34 J	<1.7	2,150	560	<3.3	4,680	6.4 J
	12/30/2014	<7.4	<4.7	<4.5	<5.4	<6.5	7.5	<6.5	<4.6	145	36	<12	NA	670	25.8 J	<11	420	70	38	<11	1,870	460	<8.4	3,600	<4.3
3/5/2015	<7.4	<4.7	<4.5	<5.4	NA	3.0 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Notes:
 Samples analyzed using EPA SW-846 Method 8260
 All results reported in units of micrograms per liter (ug/L)
Bolded and orange shaded values exceed the Public Health Enforcement Standard
Bolded and blue shaded values exceed the Public Health Preventive Action Limit
Bolded values are above detection limits
 J = Analyte concentration detected between the laboratory Reporting Limit and the laboratory Method Detection Limit
 ND = Analyte concentration less than laboratory detection limits
 NE = Not Established
 NA = Not Analyzed

Table 5 (Continued)
Monitoring Well Groundwater Sample Analytical Results
 One Hour Martinizing
 285 East Hampton Avenue
 Milwaukee, Wisconsin

Monitoring Well Identification	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	Chloroethane	Chlorobenzene	Benzene	n-Butylbenzene	sec-Butylbenzene	2,3-Dichloropropene	Ethylbenzene	Isopropylbenzene	Methyl-tert-Butyl Ether	Naphthalene	n-Propylbenzene	Toluene	p-Isopropyltoluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	1,1,1-Trichloroethane	Xylene (Total)	Chloroform
Preventive Action Limit (ug/l)		0.5	0.5	7	20	0.7	0.02	80	20	0.5	NE	NE	NE	140	NE	12	10	NE	200	NE	96	96	40	1,000	0.60
Enforcement Standard (ug/l)		5	5	70	100	7	0.2	400	100	5	NE	NE	NE	700	NE	60	100	NE	1,000	NE	480	480	200	10,000	6
MW-3d	1/4/2011	<0.50	<0.20	0.89 J	<0.50	<0.50	20	<1.0	<0.20	75	<0.20	<0.25	<0.25	<0.50	0.73 J	12	0.30 J	0.77 J	0.90 J	<0.20	<0.20	<0.20	<0.25	<0.50	<0.28
	4/26/2011	<0.45	<0.48	2.4	<0.89	<0.57	25.4	<0.97	<0.41	72.4	<0.93	<0.89	NA	<0.54	<0.59	13.7	<0.89	<0.81	<0.67	<0.67	<0.97	<0.83	<0.90	<0.83	<0.28
	9/9/2011	<0.45	<0.48	<0.83	<0.89	<0.57	<0.18	<0.97	<0.41	97.5	<0.93	<0.89	NA	<0.54	0.88 J	16.4	<0.89	0.96 J	<0.67	<0.67	<0.97	<0.83	<0.90	<0.83	<0.28
	12/20/2011	<0.50	<0.20	1.8 J	<0.50	<0.50	16	<1.0	<0.41	72	0.42 J	<0.25	NA	0.81 J	0.75 J	7.9	0.95 J	1.9	0.75 J	<0.20	4.7	1.0 J	<0.50	3.6 J	<0.28
	2/23/2012	<0.50	<0.20	2.0	<0.50	<0.50	21	<0.97	<0.20	130	<0.93	<0.89	NA	<0.54	0.79 J	15.0	<0.89	0.92 J	1.6 J	<0.67	<0.97	<0.83	<0.50	<0.83	<0.28
	5/25/2012	<0.17	<0.19	3.2	<0.25	<0.31	29	<0.34	<0.14	72	<0.13	<0.15	NA	<0.13	<0.14	20	<0.16	<0.13	0.80	<0.17	<0.14	<0.18	<0.20	<0.068	<0.28
	6/14/2013	<0.17	<0.19	1.7	<0.25	<0.31	17	<0.34	<0.14	28	<0.13	<0.15	NA	0.31 J	<0.14	19	<0.16	<0.13	0.26 J	<0.17	<0.14	<0.18	<0.20	0.51 J	<0.28
	9/27/2013	<0.33	<0.33	1.62	0.50 J	<0.4	19.9	<0.63	<0.24	19.1	<0.35	<0.33	NA	5.4	0.50 J	33	2.35 J	0.63 J	<0.69	<0.31	7.3	1.55 J	<0.33	23.6	<0.28
	12/18/2013	<0.33	<0.33	<0.38	<0.35	<0.4	14.1	<0.63	<0.24	29.7	<0.35	<0.33	NA	<0.55	<0.3	7.2	<1.7	<0.25	<0.69	<0.31	<2.2	<1.4	<0.33	<0.69	<0.28
	3/28/2014	<0.33	<0.33	1.04 J	0.47 J	<0.4	14.2	<0.63	<0.24	29.6	<0.35	<0.33	NA	<0.55	<0.3	33	<1.7	<0.25	<0.69	<0.31	<2.2	<1.4	<0.33	<0.69	<0.28
	6/27/2014	<0.33	<0.33	<0.38	<0.35	<0.4	<0.18	<0.63	<0.24	0.51 J	<0.35	<0.33	NA	<0.55	<0.3	0.48 J	<1.7	<0.25	<0.69	<0.31	<2.2	<1.4	<0.33	<0.69	<0.28
	10/1/2014	<0.33	<0.33	0.69 J	<0.35	<0.4	7.4	<0.63	<0.24	15.6	<0.35	<0.33	NA	<0.55	0.30 J	24.9	<1.7	<0.25	<0.69	<0.31	<2.2	<1.4	<0.33	<0.69	<0.28
	12/30/2014	<0.74	<0.47	0.58 J	<0.54	<0.65	11.3	<0.65	<0.46	25	<1	<1.2	NA	<0.71	<0.82	33	<1.6	<0.77	<0.44	<1.1	<1.6	<1.5	<0.84	<2.2	<0.43
3/5/2015	<0.74	<0.47	0.58 J	<0.54	NA	6.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-4	1/4/2011	<5.0	<2.0	<5.0	<5.0	ND	<2.0	<10.0	<2.0	25	9.9 J	5.6 J	<2.5	130	7.5 J	<5.0	54	23	<5.0	<2.0	620	24	<5.0	220	<0.28
	4/26/2011	1.2 J	<0.96	<1.7	<1.8	<1.1	<0.36	<1.9	<0.82	11.7	<1.9	3.0 J	NA	129	5.2	<1.2	34.3	15.8	<1.3	3.9	481	6.0	<1.8	265	<0.28
	9/9/2011	<1.1	<1.2	<2.1	<2.2	<1.4	<0.45	<2.4	<1.0	34.7	6.8	4.8 J	NA	123	6.8	<1.5	20.3	20.0	2.3 J	4.6	398	<2.1	<2.2	84.0	<0.28
	12/20/2011	<4.0	<1.6	<4.0	<4.0	<4.0	<1.6	<8.0	<1.0	4.9 J	4.6 J	4.3 J	NA	180	8.2 J	<4.0	53	22	<4.0	4.8 J	570	2.6 J	<4.0	100	<0.28
	2/23/2012	<4.0	<1.6	<4.0	<4.0	<2.5	<1.6	<8.0	<1.0	15.0	4.0 J	4.7 J	NA	280	11.0	<4.0	77	29	<4.0	4.6 J	700	3.1 J	<2.5	300	<0.28
	5/25/2012	<0.85	<0.95	<0.60	<1.3	<1.6	<0.50	<1.7	<0.70	48	<0.65	5.5	NA	230	11	<1.2	82	26	5.0	6.4	670	3.9 J	<1.0	310	<0.28
	6/14/2013	<0.17	<0.19	<0.12	<0.25	<0.31	1.6 J	<0.34	<0.14	18	<0.13	9.8	NA	1,400	61	<0.24	430	170	5.8	8.0	2,300	36	<1.0	2,500	<0.28
	9/27/2013	<6.6	<6.6	<7.6	<7	<8	<0.36	<12.6	<4.8	36	26	9.0 J	NA	1,390	49	<4.6	590	137	<13.8	8.2 J	1,970	28 J	<6.6	2,301	<0.28
	12/18/2013	<6.6	<6.6	<7.6	<7	<8	<0.36	<12.6	<4.8	13	16.6 J	13.4 J	NA	1,130	44	<4.6	560	105	<13.8	7.2 J	2,330	<28	<6.6	2,336	<0.28
	3/28/2014	<6.6	<6.6	<7.6	<7	<8	<0.36	<12.6	<4.8	9.8 J	34	9.8 J	NA	590	31.6	<4.6	700	76	<13.8	8.2 J	2,160	79 J	<6.6	2,175	<0.28
	6/27/2014	<6.6	<6.6	<7.6	<7	<8	<3.6	<12.6	<4.8	<4.8	16.4 J	<6.6	NA	125	8.0 J	<4.6	281	18.2	<13.8	<6.2	840	61 J	<6.6	639.2 J	<0.28
10/1/2014	<6.6	<6.6	<7.6	<7	<8	<3.6	<12.6	<4.8	4.8 J	16.7	8.1 J	NA	234	13.5	<4.6	620	35	<13.8	5.3 J	1,550	37 J	<6.6	1,086	<0.28	

Notes:
 Samples analyzed using EPA SW-846 Method 8260
 All results reported in units of micrograms per liter (ug/L)
Bolded and orange shaded values exceed the Public Health Enforcement Standard
Bolded and blue shaded values exceed the Public Health Preventive Action Limit
Bolded values are above detection limits
 J = Analyte concentration detected between the laboratory Reporting Limit and the laboratory Method Detection Limit
 ND = Analyte concentration less than laboratory detection limits
 NE = Not Established
 NA = Not Analyzed

Table 5 (Continued)
Monitoring Well Groundwater Sample Analytical Results
 One Hour Martinizing
 285 East Hampton Avenue
 Milwaukee, Wisconsin

Monitoring Well Identification	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	Chloroethane	Chlorobenzene	Benzene	n-Butylbenzene	sec-Butylbenzene	2,3-Dichloropropene	Ethylbenzene	Isopropylbenzene	Methyl-tert-Butyl Ether	Naphthalene	n-Propylbenzene	Toluene	p-Isopropyltoluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	1,1,1-Trichloroethane	Xylene (Total)	Chloroform
Preventive Action Limit (ug/l)		0.5	0.5	7	20	0.7	0.02	80	20	0.5	NE	NE	NE	140	NE	12	10	NE	200	NE	96	96	40	1,000	0.60
Enforcement Standard (ug/l)		5	5	70	100	7	0.2	400	100	5	NE	NE	NE	700	NE	60	100	NE	1,000	NE	480	480	200	10,000	6
MW-5	1/4/2011	<5.0	<2.0	<2.0	<2.0	ND	<2.0	<2.0	<4.0	46	24 J	9.2 J	<5.0	230	19 J	<5.0	210	52	70	<2.0	1,100	140	<10	2,800	<0.28
	4/26/2011	<0.45	<0.48	<0.83	<0.89	<0.57	<0.18	<0.97	<0.41	1.3	<0.93	<0.89	NA	10.3	0.93 J	<0.61	16.6	2.3	2.6	1.1	152	59.9	<0.90	289	<0.28
	9/9/2011	<4.5	<4.8	<8.3	<8.9	<5.7	<1.8	<9.7	<4.1	33.8	<9.3	9.6 J	NA	137	21.6	<6.1	198	63.2	20.5	27.9	1,190	263	<9.0	1,981	<0.28
	12/20/2011	<5.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10	<4.1	41	74	15 J	NA	150	27	<5.0	340	81	26	11 J	1,400	400	<5.0	2,600	<0.28
	2/23/2012	<5.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10	<2.0	86	<0.93	15 J	NA	130	24	<5.0	290	58	32	11 J	1,900	490	<5.0	3,100	<0.28
	5/25/2012	<0.34	<0.38	<0.24	<0.50	<0.62	<0.20	<0.68	<0.28	140	<0.26	10.0	NA	200	26	<0.48	360	64	73	9.6	1,700	440	<0.40	3,500	<0.28
	6/14/2013	<0.17	<0.19	<0.12	<0.25	<0.31	<0.10	<0.34	<0.14	480	2,800	440	NA	7,500	770	<0.24	3,900	3,200	2,700	250	49,000	9,300	<10	74,000	<0.28
	9/27/2013	<33	<33	<38	<35	<40	<18	<63	<24	258	470	75 J	NA	2,690	188	<23	2,000	620	1,160	36 J	7,900	2,100	<33	21,700	<0.28
	12/18/2013	<33	<33	<38	<35	<40	<18	<63	<28	311	95 J	<33	NA	1,680	75 J	<23	1,080	202	910	<31	2,700	670	<33	10,350	<0.28
	3/28/2014	<16.5	<16.5	<19	<17.5	<20	<9	<31.5	<14	164	88	17 J	NA	790	44 J	<11.5	1,010	126	440	<15.5	2,840	730	<16.5	10,870	<0.28
6/27/2014	<16.5	<16.5	<19	<17.5	<15	<9	<31.5	<12	137	102	<16.5	NA	276	20.5 J	<11.5	600	45	312	<15.5	2,410	810	<16.5	8,060	<0.28	
10/2/2014	<16.5	<16.5	<19	<17.5	<15	<9	<31.5	<12	183	93	15.8 J	NA	650	35	<11.5	530	90	400	<15.5	2,640	820	<16.5	10,800	<0.28	
MW-6	6/13/2013	<0.17	<0.19	<0.12	<0.25	<0.31	<0.10	<0.34	1.9	150	<0.13	<0.15	NA	63	<0.14	<0.24	1.5	2.1	3.8	<0.17	0.62 J	<0.18	<0.20	28	<0.28
	9/26/2013	1.49	<0.33	<0.38	<0.35	<0.4	<0.18	<0.63	<0.24	1.65	<0.35	<0.33	NA	4.9	<0.3	<0.23	<1.7	<0.25	<0.69	<0.31	<0.98	<1.8	<0.33	10.59	<0.28
	12/18/2013	<0.33	0.78 J	<0.38	<0.35	<0.4	<0.18	<0.63	<0.24	6.20	<0.35	<0.33	NA	14.6	<0.3	<0.23	<1.7	<0.25	<0.69	<0.31	<2.2	<1.4	<0.33	13.40	<0.28
	3/27/2014	0.41 J	0.46 J	<0.38	<0.35	<0.4	<0.18	<0.63	<0.24	4.1	<0.35	<0.33	NA	4.9	<0.3	<0.23	<1.7	<0.25	<0.69	<0.31	<2.2	<1.4	<0.33	6.01 J	<0.28
	6/26/2014	<0.33	0.36 J	0.56 J	<0.35	<0.4	<0.18	<0.63	<0.24	20.3	<0.35	<0.33	NA	5.9	<0.3	<0.23	<1.7	<0.25	1.17 J	<0.31	<2.2	<1.4	<0.33	7.94 J	<0.28
	10/2/2014	<0.33	<16.5	0.56 J	<0.35	<0.4	<0.18	<0.63	0.4 J	40	<0.35	<0.33	NA	33	0.34 J	<0.23	<1.7	0.78 J	2.78	<0.31	3.03 J	<1.4	<0.33	32.19	<0.28
MW-7	6/13/2013	62	16	17	<0.25	<0.31	<0.10	<0.34	<0.14	5.5	<0.13	<0.15	NA	<0.13	<0.14	<0.24	<0.16	<0.13	<0.11	<0.17	<0.14	<0.18	<0.20	<0.068	<0.28
	9/26/2013	3.7	9.3	12.5	<0.35	<0.4	<0.18	<0.63	<0.24	46	<0.35	<0.33	NA	<0.55	0.37 J	0.73 J	<1.7	0.41 J	<0.69	<0.31	<0.98	<1.8	<0.33	<0.69	<0.28
	12/18/2013	<0.33	2.27	19.8	<0.35	<0.4	<0.18	<0.63	<0.24	61	<0.35	<0.33	NA	<0.55	<0.3	0.83	<1.7	<0.25	<0.69	<0.31	<2.2	<1.4	<0.33	0.84 J	<0.28
	3/27/2014	1.06	1.52	4.1	<0.35	<0.4	0.34 J	<0.63	<0.24	52	<0.35	<0.33	NA	<0.55	<0.3	0.75	<1.7	<0.25	<0.69	<0.31	<2.2	<1.4	<0.33	<0.69	<0.28
	6/26/2014	0.70 J	0.72 J	<0.38	<0.35	<0.4	<0.18	<0.63	<0.24	51	<0.35	<0.33	NA	<0.55	<0.3	1.08	<1.7	0.35 J	<0.69	<0.31	<2.2	<1.4	<0.33	<0.69	<0.28
	10/2/2014	1.77	3.8	9.4	<0.35	<0.4	<0.18	<0.63	<0.24	27.4	<0.35	<0.33	NA	<0.55	<0.3	1.43	<1.7	<0.25	<0.69	<0.31	<2.2	<1.4	<0.33	<0.69	<0.28
MW-8	6/14/2013	16	<0.19	<0.12	<0.25	<0.31	<0.10	<0.34	<0.14	780	<0.13	<0.15	NA	13	<0.14	57	1.7	0.82 J	4.0	<0.17	9.7	2.1	<0.20	39	<0.28
	9/26/2013	680	32	1.29	<0.35	<0.4	<0.18	<0.63	<0.24	187	<0.35	<0.33	NA	24.1	<0.3	20.6	<1.7	<0.25	0.69 J	<0.31	<0.98	<1.8	<0.33	13.07 J	<0.28
	12/18/2013	460	46	28.1	10.7 J	<4	<1.8	<6.3	<2.4	440	<3.5	<3.3	NA	49.0	<3	5.1 J	<17	<2.5	<6.9	<3.1	<22	<14	<3.3	108	<0.28
	3/28/2014	570	16.7	11.3 J	<3.5	<4	<1.8	<6.3	<2.4	140	<3.5	<3.3	NA	30.2	<3	<2.3	<17	<2.5	<6.9	<3.1	<22	<14	<3.3	23.7	<0.28
	6/26/2014	90	14.9	15.8	<3.5	<4	<1.8	<6.3	<2.4	460	<3.5	<3.3	NA	11.6 J	<3	30.8	31.2 J	<2.5	<6.9	<3.1	<22	<14	<3.3	<6.9	<0.28
	10/2/2014	740	22	22.3	<3.5	<4	2.0 J	<6.3	<2.4	118	<3.5	<3.3	NA	38	<3	<2.3	<17	<2.5	<6.9	<3.1	<22	<14	<3.3	18.8 J	<0.28
	12/30/2014	630	32	7.1 J	<5.4	<6.5	<1.7	<6.5	<4.6	7.0 J	<10	<12	NA	<7.1	<8.2	<11	<16	<7.7	<4.4	<11	<16	<15	<8.4	<22	<4.3
3/5/2015	640	12.2	13.6	<2.7	NA	<0.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Notes:

Samples analyzed using EPA SW-846 Method 8260

All results reported in units of micrograms per liter (ug/L)

Bolded and orange shaded values exceed the Public Health Enforcement Standard

Bolded and blue shaded values exceed the Public Health Preventive Action Limit

Bolded values are above detection limits

J = Analyte concentration detected between the laboratory Reporting Limit and the laboratory Method Detection Limit

ND = Analyte concentration less than laboratory detection limits

NE = Not Established

NA = Not Analyzed

Table 5 (Continued)
Monitoring Well Groundwater Sample Analytical Results
 One Hour Martinizing
 285 East Hampton Avenue
 Milwaukee, Wisconsin

Monitoring Well Identification	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	Chloroethane	Chlorobenzene	Benzene	n-Butylbenzene	sec-Butylbenzene	2,3-Dichloropropene	Ethylbenzene	Isopropylbenzene	Methyl-tert-Butyl Ether	Naphthalene	n-Propylbenzene	Toluene	p-Isopropyltoluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	1,1,1-Trichloroethane	Xylene (Total)	Chloroform
Preventive Action Limit (ug/l)		0.5	0.5	7	20	0.7	0.02	80	20	0.5	NE	NE	NE	140	NE	12	10	NE	200	NE	96	96	40	1,000	0.60
Enforcement Standard (ug/l)		5	5	70	100	7	0.2	400	100	5	NE	NE	NE	700	NE	60	100	NE	1,000	NE	480	480	200	10,000	6
MW-9	6/13/2013	46	17	57	1.3	<0.31	2.2	<0.34	<0.14	0.47 J	<0.13	<0.15	NA	<0.13	<0.14	1.6	<0.16	<0.13	<0.11	<0.17	<0.14	<0.18	<0.20	<0.068	<0.28
	9/26/2013	57	15	109	5.3	1.09 J	14.8	<0.63	<0.24	0.89	<0.35	<0.33	NA	<0.55	<0.3	4.5	<1.7	<0.25	<0.69	<0.31	<0.98	<1.8	0.88 J	<0.69	<0.28
	12/18/2013	51	20.8	214	7.5	1.77	41.0	<0.63	<0.24	1.19	<0.35	<0.33	NA	<0.55	<0.3	5.4	<1.7	<0.25	<0.69	<0.31	<2.2	<1.4	0.62 J	<0.69	<0.28
	3/27/2014	41	7.5	42	1.24	<0.4	0.78	<0.63	<0.24	0.29 J	<0.35	<0.33	NA	<0.55	<0.3	3.5	<1.7	<0.25	<0.69	<0.31	<2.2	<1.4	0.66 J	<0.69	<0.28
	6/27/2014	27.1	4.9	4.7	<0.36	<0.4	<0.18	<0.63	<0.24	<0.24	<0.35	<0.33	NA	<0.55	<0.3	0.45 J	<1.7	<0.25	<0.69	<0.31	<2.2	<1.4	1.84	<0.69	<0.28
	10/1/2014	41	7.2	4.7	<0.36	<0.4	0.24 J	<0.63	<0.24	0.26 J	<0.35	<0.33	NA	<0.55	<0.3	3.4	<1.7	<0.25	<0.69	<0.31	<2.2	<1.4	3.11	<0.69	<0.28
MW-10	6/13/2013	<0.17	<0.19	<0.12	<0.25	<0.31	<0.10	<0.34	<0.14	<0.074	<0.13	<0.15	NA	<0.13	<0.14	<0.24	<0.16	<0.13	<0.11	<0.17	<0.14	<0.18	<0.20	<0.068	<0.28
	9/26/2013	<0.33	<0.33	<0.38	<0.35	<0.4	<0.18	<0.63	<0.24	<0.24	<0.35	<0.33	NA	<0.55	<0.3	<0.23	<1.7	<0.25	<0.69	<0.31	<0.98	<1.8	<0.33	<0.69	<0.28
	12/18/2013	<0.33	<0.33	<0.38	<0.35	<0.4	<0.18	<0.63	<0.24	<0.24	<0.35	<0.33	NA	<0.55	<0.3	<0.23	<1.7	<0.25	<0.69	<0.31	<2.2	<1.4	<0.33	<0.69	<0.28
	3/27/2014	<0.33	<0.33	<0.38	<0.35	<0.4	<0.18	<0.63	<0.24	<0.24	<0.35	<0.33	NA	<0.55	<0.3	<0.23	<1.7	<0.25	<0.69	<0.31	<2.2	<1.4	<0.33	<0.69	<0.28
	6/26/2014	<0.33	<0.33	<0.38	<0.35	<0.4	<0.18	<0.63	<0.24	<0.24	<0.35	<0.33	NA	<0.55	<0.3	<0.23	<1.7	<0.25	<0.69	<0.31	<2.2	<1.4	<0.33	<0.69	<0.28
	10/2/2014	<0.33	<0.33	<0.38	<0.35	<0.4	<0.18	<0.63	<0.24	<0.24	<0.35	<0.33	NA	<0.55	<0.3	<0.23	<1.7	<0.25	<0.69	<0.31	<2.2	<1.4	<0.33	<0.69	<0.28
MW-11	7/11/2014	<0.33	<0.33	<0.38	<0.35	<0.4	<0.18	<0.63	<0.24	<0.24	<0.35	<0.33	NA	<0.55	<0.3	<0.23	<1.7	<0.25	<0.69	<0.31	<2.2	<1.4	<0.33	<0.69	<0.28
	10/1/2014	<0.33	<0.33	<0.38	<0.35	<0.4	<0.18	<0.63	<0.24	<0.24	<0.35	<0.33	NA	<0.55	<0.3	<0.23	<1.7	<0.25	<0.69	<0.31	<2.2	<1.4	<0.33	<0.69	<0.28
	12/30/2014	<0.74	<0.47	<0.45	<0.54	<0.65	<0.17	<0.65	<0.46	<0.44	<1	<1.2	NA	<0.71	<0.82	<1.1	<1.6	<0.77	<0.44	<1.1	<1.6	<1.5	<0.84	<2.2	<0.43
MW-12	7/11/2014	<0.33	<0.33	<0.38	<0.35	<0.4	<0.18	<0.63	<0.24	<0.24	<0.35	<0.33	NA	<0.55	<0.3	<0.23	<1.7	<0.25	<0.69	<0.31	<2.2	<1.4	<0.33	<0.69	<0.28
	10/2/2014	<0.33	<0.33	<0.38	<0.35	<0.4	<0.18	<0.63	<0.24	<0.24	<0.35	<0.33	NA	<0.55	<0.3	<0.23	<1.7	<0.25	<0.69	<0.31	<2.2	<1.4	<0.33	<0.69	<0.28
	12/30/2014	<0.74	<0.47	<0.45	<0.54	<0.65	<0.17	<0.65	<0.46	<0.44	<1	<1.2	NA	<0.71	<0.82	<1.1	<1.6	<0.77	<0.44	<1.1	<1.6	<1.5	<0.84	<2.2	<0.43
MW-13	11/3/2014	470	108	30.2	5.7 J	<4	<1.8	<6.3	<2.4	<2.4	<3.5	<3.3	NA	<5.5	<3	3.2 J	<17	<2.5	<6.9	<3.1	<22	<14	<3.3	<6.9	<2.8
	12/31/2014	570	199	44.0	7.8 J	<6.5	<1.7	<6.5	<4.6	<4.4	<10	<12	NA	<7.1	<8.2	<11	<16	<7.7	<4.4	<11	<16	<15	<8.4	<22	<4.3
	3/5/2015	510	193	58.0	9.4	NA	<0.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W-10	1/4/2011	<0.50	<0.20	<0.50	<0.50	ND	<0.20	<1.0	<0.20	18	<0.20	<0.25	<0.25	<0.50	<0.20	<0.50	<0.25	<0.50	<0.50	<0.20	<0.20	<0.20	<0.5	<0.50	<0.28
	4/26/2011	<0.45	<0.48	<0.83	<0.89	<0.57	<0.18	<0.97	<0.41	<0.41	<0.93	<0.89	NA	<0.54	<0.59	<0.61	<0.89	<0.81	<0.67	<0.67	<0.97	<0.83	<0.90	<0.83	<0.28
	9/9/2011	<0.45	<0.48	<0.83	<0.89	<0.57	<0.18	<0.97	<0.41	2.5	<0.93	<0.89	NA	<0.54	<0.59	<0.61	<0.89	<0.81	<0.67	<0.67	<0.97	<0.83	<0.90	<0.83	<0.28
	12/20/2011	<0.50	<0.20	<0.20	<0.20	<0.50	<0.20	<1.0	<0.41	4.1	0.31 J	<0.25	NA	0.74 J	<0.20	<0.50	0.77 J	<0.50	<0.50	<0.20	3.2	0.51 J	<0.50	2.7 J	<0.28
	2/23/2012	<0.50	<0.20	<0.20	<0.20	<0.50	<0.20	<0.97	<0.20	4.5	<0.93	<0.89	NA	<0.54	<0.59	<0.61	<0.89	<0.81	<0.67	<0.67	<0.97	<0.83	<0.50	0.94 J	<0.28
	5/25/2012	<0.17	<0.19	<0.12	<0.25	<0.31	<0.10	<0.34	<0.14	<0.074	<0.13	<0.15	NA	<0.13	<0.14	<0.24	<0.16	<0.13	<0.11	<0.17	0.53 J	<0.18	<0.20	0.50 J	<0.28
	6/13/2013	<0.17	<0.19	<0.12	<0.25	<0.31	<0.10	<0.34	<0.14	<0.074	<0.13	<0.15	NA	<0.13	<0.14	<0.24	<0.16	<0.13	<0.11	<0.17	<0.14	<0.18	<0.20	<0.068	<0.28
	9/26/2013	<0.33	<0.33	<0.38	<0.35	<0.4	<0.18	<0.63	<0.24	<0.24	<0.35	<0.33	NA	<0.55	<0.3	<0.23	<1.7	<0.25	<0.69	<0.31	<0.98	<1.8	<0.33	<0.69	<0.28
	12/18/2013	<0.33	<0.33	<0.38	<0.35	<0.4	<0.18	<0.63	<0.24	<0.24	0.88 J	<0.33	NA	<0.55	<0.3	<0.23	2.09 J	<0.25	<0.69	<0.31	6.6 J	3.11 J	<0.33	0.72 J	<0.28
	3/27/2014	<0.33	<0.33	<0.38	<0.35	<0.4	<0.18	<0.63	<0.24	0.36	<0.35	<0.33	NA	<0.55	<0.3	<0.23	<1.7	<0.25	<0.69	<0.31	<2.2	<1.4	<0.33	<0.69	<0.28
	6/26/2014	<0.33	<0.33	<0.38	<0.35	<0.4	<0.18	<0.63	<0.24	<0.24	<0.35	<0.33	NA	<0.55	<0.3	<0.23	<1.7	<0.25	<0.69	<0.31	<2.2	<1.4	<0.33	<0.69	<0.28
10/1/2014	<0.33	<0.33	<0.38	<0.35	<0.4	<0.18	<0.63	<0.24	<0.24	<0.35	<0.33	NA	<0.55	<0.3	0.51 J	<1.7	<0.25	<0.69	<0.31	<2.2	<1.4	<0.33	<0.69	<0.28	

Notes:

Samples analyzed using EPA SW-846 Method 8260

All results reported in units of micrograms per liter (ug/L)

Bolded and orange shaded values exceed the Public Health Enforcement Standard

Bolded and blue shaded values exceed the Public Health Preventive Action Limit

Bolded values are above detection limits

J = Analyte concentration detected between the laboratory Reporting Limit and the laboratory Method Detection Limit

ND = Analyte concentration less than laboratory detection limits

NE = Not Established

NA = Not Analyzed

Table 5 (Continued)
Monitoring Well Groundwater Sample Analytical Results
 One Hour Martinizing
 285 East Hampton Avenue
 Milwaukee, Wisconsin

Monitoring Well Identification	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	Chloroethane	Chlorobenzene	Benzene	n-Butylbenzene	sec-Butylbenzene	2,3-Dichloropropene	Ethylbenzene	Isopropylbenzene	Methyl-tert-Butyl Ether	Naphthalene	n-Propylbenzene	Toluene	p-Isopropyltoluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	1,1,1-Trichloroethane	Xylene (Total)	Chloroform
Preventive Action Limit (ug/l)		0.5	0.5	7	20	0.7	0.02	80	20	0.5	NE	NE	NE	140	NE	12	10	NE	200	NE	96	96	40	1,000	0.60
Enforcement Standard (ug/l)		5	5	70	100	7	0.2	400	100	5	NE	NE	NE	700	NE	60	100	NE	1,000	NE	480	480	200	10,000	6
W-11	1/4/2011	<0.50	<0.20	<0.50	<0.50	ND	<0.20	<1.0	<0.20	<0.20	<0.20	<0.25	<0.25	<0.50	<0.20	<0.50	<0.25	<0.50	<0.67	<0.20	<0.20	<0.20	<0.50	<0.50	<0.28
	4/26/2011	<0.45	<0.48	<0.83	<0.89	<0.57	<0.18	<0.97	<0.41	<0.41	<0.93	<0.89	NA	<0.54	<0.59	<0.61	<0.89	<0.81	<0.67	<0.67	<0.97	<0.83	<0.90	<0.83	<0.28
	9/9/2011	<0.45	<0.48	<0.83	<0.89	<0.57	<0.18	<0.97	<0.41	<0.41	<0.93	<0.89	NA	<0.54	<0.59	<0.61	<0.89	<0.81	<0.67	<0.67	<0.97	<0.83	<0.90	<0.83	<0.28
	12/20/2011	<0.50	<0.20	<0.50	<0.50	<0.50	<0.20	<1.0	<0.41	<0.20	<0.20	<0.25	NA	<0.50	<0.20	<0.50	<0.25	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.50	<0.28
	2/23/2012	<0.50	<0.20	<0.50	<0.50	<0.50	<0.20	<1.0	<0.20	<0.20	<0.20	<0.25	NA	<0.50	<0.20	<0.50	<0.25	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.50	<0.28
	5/25/2012	<0.17	<0.19	<0.12	<0.25	<0.31	<0.10	<0.34	<0.14	<0.074	<0.13	<0.15	NA	<0.13	<0.14	<0.24	<0.16	<0.13	<0.11	<0.17	<0.14	<0.18	<0.20	<0.068	<0.28
	6/14/2013	<0.17	<0.19	<0.12	<0.25	<0.31	<0.10	<0.34	<0.14	<0.074	<0.13	<0.15	NA	0.65	<0.14	<0.24	<0.16	<0.13	0.26 J	<0.17	1.8	<0.18	<0.20	3.5	<0.28
	9/27/2013	<0.33	<0.33	<0.38	<0.35	<0.4	<0.18	<0.63	<0.24	<0.24	<0.35	<0.33	NA	<0.55	<0.3	<0.23	<1.7	<0.25	<0.69	<0.31	<0.98	<1.8	<0.33	<0.69	<0.28
	12/18/2013	<0.33	<0.33	<0.38	<0.35	<0.4	<0.18	<0.63	<0.24	<0.24	<0.35	<0.33	NA	<0.55	<0.3	0.30 J	<1.7	<0.25	<0.69	<0.31	<2.2	<1.4	<0.33	<0.69	<0.28
	3/28/2014	<0.33	<0.33	<0.38	<0.35	<0.4	<0.18	<0.63	<0.24	<0.24	<0.35	<0.33	NA	<0.55	<0.3	0.23 J	<1.7	<0.25	<0.69	<0.31	<2.2	<1.4	<0.33	<0.69	<0.28
6/26/2014	<0.33	<0.33	<0.38	<0.35	<0.4	<0.18	<0.63	<0.24	<0.24	<0.35	<0.33	NA	<0.55	<0.3	<0.23	<1.7	<0.25	<0.69	<0.31	<2.2	<1.4	<0.33	<0.69	<0.28	
10/2/2014	<0.33	<0.33	<0.38	<0.35	<0.4	<0.18	<0.63	<0.24	<0.24	<0.35	<0.33	NA	<0.55	<0.3	<0.23	<1.7	<0.25	<0.69	<0.31	<2.2	<1.4	<0.33	<0.69	<0.28	
W-13	1/4/2011	26	14	60	<0.50	ND	21	2.1 J	<0.20	25	1.1 J	0.9 J	0.25 J	7.9	9.3	<0.50	<0.25	26.0	0.97 J	<0.20	<0.20	<0.20	<0.5	1.7 J	<0.28
	4/26/2011	111	13.5	12.4	6.5	<0.57	54.7	<0.97	<0.41	6.4	<0.93	<0.89	NA	2.2	3.5	<0.61	<0.89	11.6	<0.67	<0.67	<0.97	<0.83	<0.90	<0.83	<0.28
	9/9/2011	76.5	18.7	14.7	8.9	<0.57	41.8	<0.97	<0.41	4.3	1.4	<0.89	NA	2.4	6.7	<0.61	<0.89	21.1	<0.67	<0.67	<0.97	<0.83	<0.90	<0.83	<0.28
	12/20/2011	22	5.6	3.5	5.2	<0.50	12	<1.0	<0.41	13	1.6 J	0.91 J	NA	1.9 J	9.0	<0.50	0.36 J	22	0.60 J	0.53 J	1.4 J	0.37 J	<0.50	2.9 J	<0.28
	2/23/2012	21	6.8	3.5	3.8	<0.50	4.0	<1.0	<0.20	25	1.0 J	0.59 J	NA	0.98 J	6.0	<0.50	<0.25	14	<0.67	0.34 J	<0.97	<0.83	<0.50	<0.83	<0.28
	5/25/2012	170	180	29	<0.25	13.0	6.3	<0.34	<0.14	1.0	<0.13	0.64 J	NA	1.8	4.2	<0.24	<0.16	13.0	<0.11	<0.17	<0.14	<0.18	<0.20	0.58 J	<0.28
	6/13/2013	180	220	35	8.7	8.2	5.1	<0.34	<0.14	0.65	<0.13	<0.15	NA	<0.13	<0.14	<0.24	<0.16	<0.13	<0.11	<0.17	<0.14	<0.18	<0.20	<0.068	<0.28
	9/27/2013	158	580	690	155	67	470	<0.63	<0.24	3.2 J	<0.35	<0.33	NA	<0.55	<0.3	9.2	<1.7	<0.25	<0.69	<0.31	<0.98	<1.8	<3.3	<0.69	<0.28
	12/18/2013	94	124	126	42	9.7 J	162	<6.3	<2.8	5.7 J	<3.5	<3.3	NA	<5.5	<3	<2.3	<1.7	<2.5	<6.9	<3.1	<2.2	<1.4	<3.3	<6.9	<0.28
	3/27/2014	107	81	83	45	10.3	209	<0.63	<0.24	6.8	<0.35	<0.33	NA	<0.55	0.57 J	2.37	<1.7	0.61 J	<0.69	<0.31	<0.98	<1.8	<3.3	<0.69	<0.28
	6/27/2014	47	51	400	97	47	24.5	<0.63	<0.24	2.12	<0.35	<0.33	NA	<0.55	<0.3	0.60 J	<1.7	0.29 J	<0.69	<0.31	<2.2	<1.4	<0.33	<0.69	<0.28
	10/1/2014	96	45	99	42	<0.4	60	<0.63	<0.24	3.8 J	<0.35	<0.33	NA	<0.55	<0.3	<0.23	<1.7	<0.25	<0.69	<0.31	<2.2	<1.4	<0.33	9.9 J	<0.28
	12/30/2014	80	54	44	23	<3.25	33	<3.25	<2.3	6.9 J	<5	<6	NA	<3.55	<4.1	<5.5	<8	<3.85	<2.2	<5.5	<8	<7.5	<4.2	<11	<2.15
3/5/2015	61	30.2	18.9	9.0	NA	11.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PZ-2	6/14/2013	0.60 J	<0.19	<0.12	<0.25	<0.31	<0.10	<0.34	<0.14	0.5	<0.13	<0.15	NA	<0.13	<0.14	57	<0.16	<0.13	<0.11	<0.17	0.79 J	<0.18	<0.20	0.73 J	<0.28
	9/26/2013	6.1	0.41 J	0.40 J	<0.35	<0.4	<0.18	<0.63	<0.24	5.9	<0.35	<0.33	NA	<0.55	<0.3	<0.23	<1.7	<0.25	<0.69	<0.31	<0.98	<1.8	<0.33	<0.69	<0.28
	12/18/2013	0.44 J	0.97 J	<0.38	<0.35	<0.4	<0.18	<0.63	<0.24	2.51	<0.35	<0.33	NA	<0.55	<0.3	0.35 J	<1.7	<0.25	<0.69	<0.31	<2.2	<1.4	<0.33	<0.69	<0.28
	3/28/2014	9.9	2.95	0.56 J	<0.35	<0.4	<0.18	<0.63	<0.24	<0.24	<0.35	<0.33	NA	<0.55	<0.3	0.92	<1.7	<0.25	<0.69	<0.31	<2.2	<1.4	<0.33	0.69 J	<0.28
	6/26/2014	0.57 J	2.47	1.4	<0.35	<0.4	<0.18	<0.63	<0.24	<0.24	<0.35	<0.33	NA	<0.55	<0.3	0.58 J	<1.7	<0.25	<0.69	<0.31	<2.2	<1.4	<0.33	<0.69	<0.28
	10/2/2014	<0.33	0.34 J	0.78 J	<0.35	<0.4	<0.18	<0.63	<0.24	<0.24	<0.35	<0.33	NA	<0.55	<0.3	1.08	<1.7	<0.25	<0.69	<0.31	<2.2	<1.4	<0.33	<0.69	<0.28
12/30/2014	3.4	0.59 J	2.48	0.57 J	<0.65	<0.17	<0.65	<0.46	<0.44	<1	<1.2	NA	<0.71	<0.82	<1.1	2.02 J	<0.77	<0.44	<1.1	5.50	3.2 J	<0.84	<2.2	<0.43	
3/5/2015	<0.74	1.98	<0.45	<0.54	NA	<0.17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
 Samples analyzed using EPA SW-846 Method 8260
 All results reported in units of micrograms per liter (ug/L)
Bolded and orange shaded values exceed the Public Health Enforcement Standard
Bolded and blue shaded values exceed the Public Health Preventive Action Limit
Bolded values are above detection limits
 J = Analyte concentration detected between the laboratory Reporting Limit and the laboratory Method Detection Limit
 ND = Analyte concentration less than laboratory detection limits
 NE = Not Established
 NA = Not Analyzed

Table 6
Soil Gas Sample Analytical Results
One Hour Martinizing
285 East Hampton Avenue
Milwaukee, Wisconsin

Sample Identification	Sample Date	Tetrachloroethene	Trichloroethene	Acetone	Benzene	Carbon Disulfide	Cyclohexane	Dichlorodifluoromethane	Ethylbenzene	4-Ethyl Toluene	n-Heptane	n-Hexane	Methylene Chloride	Propylene	Styrene	Tetrahydrofuran	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylene
6194-SB-1	9/21/2010	5,040	21.1	377	89.1	6.0	145	68.1	59.9	22.3	238	311	< 3.1	1,000	7.00	45.8	190	65.6	22.4	133
6194-SB-4	9/21/2010	7.4	< 4.8	29.9	< 2.8	< 2.7	< 3	< 4.4	133	< 4.4	< 3.6	245	342	< 6.1	5.1	< 2.6	< 3.3	5.9	5.4	< 11.5
6194-SB-5	9/21/2010	176,000	1,520	< 670	< 900	< 880	< 970	< 1,400	7.0	< 1,400	< 1,200	< 1,000	< 990	< 2,000	< 1,200	< 840	< 1,100	1,560	1,610	< 3,700
6194-SB-6	9/21/2010	111	275	73.4	< 27	< 26	< 29	< 42	45.8	< 42	< 35	< 30	72.4	< 59	< 36	< 25	43.4	44.6	48.3	< 111
6194-SG-1	6/3/2013	25	< 11	NA	< 6.4	NA	NA	< 9.9	< 8.7	NA	NA	NA	< 17	NA	< 8.5	NA	14	< 9.8	< 9.8	< 8.7
6194-SG-2	6/3/2013	< 12	< 9.8	NA	< 5.8	NA	NA	< 9.0	< 7.9	NA	NA	NA	< 16	NA	< 7.7	NA	11	< 8.9	< 8.9	< 7.9
6194-SG-3	6/3/2013	< 14	< 11	NA	< 6.4	NA	NA	< 9.9	< 8.7	NA	NA	NA	< 17	NA	< 8.5	NA	14	< 9.8	< 9.8	< 8.7
6194-SG-4	6/3/2013	30,000	< 520	NA	< 310	NA	NA	< 480	< 420	NA	NA	NA	< 840	NA	< 410	NA	< 360	< 480	< 480	< 420
6194-SG-5	6/3/2013	20,000	< 210	NA	< 130	NA	NA	< 200	< 170	NA	NA	NA	< 340	NA	< 170	NA	< 150	< 190	< 190	< 170
6194-SG-6	7/8/2014	146	< 10.7	< 23,800	< 16.0	< 3,110	< 55,100	< 8.52	< 86.8	< 4,920	< 4,100	< 1,760	< 417	< 1,720	< 4,260	< 2,950	< 37,700	< 49.2	< 49.2	< 860
6194-SG-7	7/8/2014	< 31.9	23.6	< 23,800	< 16.0	< 3,110	< 55,100	< 8.52	< 86.8	< 4,920	< 4,100	< 1,760	< 417	< 1,720	< 4,260	< 2,950	< 37,700	< 49.2	< 49.2	< 860
Non-Residential Vapor Risk Screening Level ¹		1,800	88	1,400,000	160	31,000	260,000	4,400	490	NE	NE	31,000	26,300	130,000	44,000	NE	220,000	310	NE	4,400

Notes:

¹ Vapor Risk Screening Level = US EPA Regional Screening Levels for indoor air with an attenuation factor of 0.01 for deep soil gas to indoor air, and a 0.1 adjustment for carcinogens as described in WDNR Publication RR-800.

All results reported in units in micrograms per cubic meter = ug/m³

Bolded values are above detection limits

Bolded and Orange-Shaded values exceed Vapor Risk Screening Level(s)

NE = Not Established

NA = Not Analyzed

bgs = below ground surface

Table 7
Sub-Slab Vapor Sample Analytical Results
One Hour Martinizing
285 East Hampton Avenue
Milwaukee, Wisconsin

Sample Identification	Sample Location	Sample Date	Tetrachloroethene	Trichloroethene	Dichlorodifluoromethane	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene
6194-Shovers-SSV-1	Shovers Realty	6/3/2013	450	< 11	1,100	8.7	<9.8	<9.8
6194-Shovers-SSV-1	Shovers Realty	4/8/2014	240	<10.7	NA	NA	NA	NA
6194-Shovers-SSV-2	Shovers Realty	6/3/2013	380	< 11	26	7.6	<9.8	<9.8
6194-Shovers-SSV-2	Shovers Realty	4/8/2014	463	<10.7	NA	NA	NA	NA
6194-SSV-1	OHM	6/4/2013	210	< 11	< 9.9	< 7.5	< 9.9	< 7.5
6194-SSV-2	OHM	6/4/2013	12,000	< 120	< 110	< 82	< 110	< 82
6194-SSV-3	OHM	6/4/2013	6,700	200	< 48	< 37	< 48	< 37
6194-SSV-6	Confluence Graphics	7/21/2014	<31.9	<10.7	<495	<37,700	471	251
6194-SSV-7	Aliota Property	7/10/2014	1,520	30.1	<495	<37,700	<49.2	<49.2
6194-SSV-8	Aliota Property	7/10/2014	73.3	<10.7	<495	<37,700	<49.2	<49.2
6194-SSV-9	Aliota Property	7/10/2014	<31.9	<10.7	<495	<37,700	<49.2	<49.2
6194-SSV-10	Aliota Property	7/10/2014	1,050	12.4	<495	<37,700	<49.2	<49.2
6194-SSV-11	Confluence Graphics	10/7/2014	3,770	<10.7	<495	<37,700	<49.2	<49.2
		1/9/2015	357	<10.7	NA	NA	NA	NA
Non-Residential Vapor Risk Screening Level ¹			1,800	88	4,400	220,000	310	NE

Notes:

¹ Vapor Risk Screening Level = US EPA Regional Screening Levels for indoor air with an attenuation factor of 0.1 for sub-slab vapor to indoor air, and a 0.1 adjustment for carcinogens as described in WDNR Publication RR-800.

All results reported in units in micrograms per cubic meter = ug/m³

Bolded values are above detection limits

Bolded and Shaded values exceed the Vapor Risk Screening Level

NA - Not Analyzed

NE - Not Established

Table 8
Indoor Air Sample Analytical Results
One Hour Martinizing
285 East Hampton Avenue
Milwaukee, Wisconsin

Sample Identification	Sample Date	Tetrachloroethene	Trichloroethene	Cis-1,2-Dichloroethene	Trans-1,2-Dichloroethene	Vinyl Chloride	Benzene	Chloromethane	Dichlorodifluoromethane	1,3-Dichlorobenzene	Ethylbenzene	Methylene Chloride	Styrene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Trichlorofluoromethane	m & p Xylenes	o Xylenes
6194-Shovers-OA	5/31/2013	1.7	<1.1	<0.79	NA	<0.51	3.8	2.5	2.5	4.4	< 0.87	2.0	< 0.85	3.6	< 0.98	< 0.98	2.1	1.5	< 0.87
6194-Shovers-IA-1	5/31/2013	3.8	<1.1	<0.79	NA	<0.51	2.8	5.0	6.9	< 1.2	2.0	< 1.7	1.3	13	24	6.1	3.4	7.5	3.2
6194-CG-IA-1	1/8/2015	<3.19	<3.19	<1.07	<19.8	<39.6	<1.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6194-CG-IA-B	1/8/2015	<3.19	<3.19	<1.07	<19.8	<39.6	<1.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6194-CG-OA-1	1/8/2015	<3.19	<3.19	<1.07	<19.8	<39.6	<1.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Non-Residential Vapor Action Level ¹		180	9	NE	260	28	16	390	440	NE	49	2,600	440	22,000	31	NE	3,100	440	440

Notes:

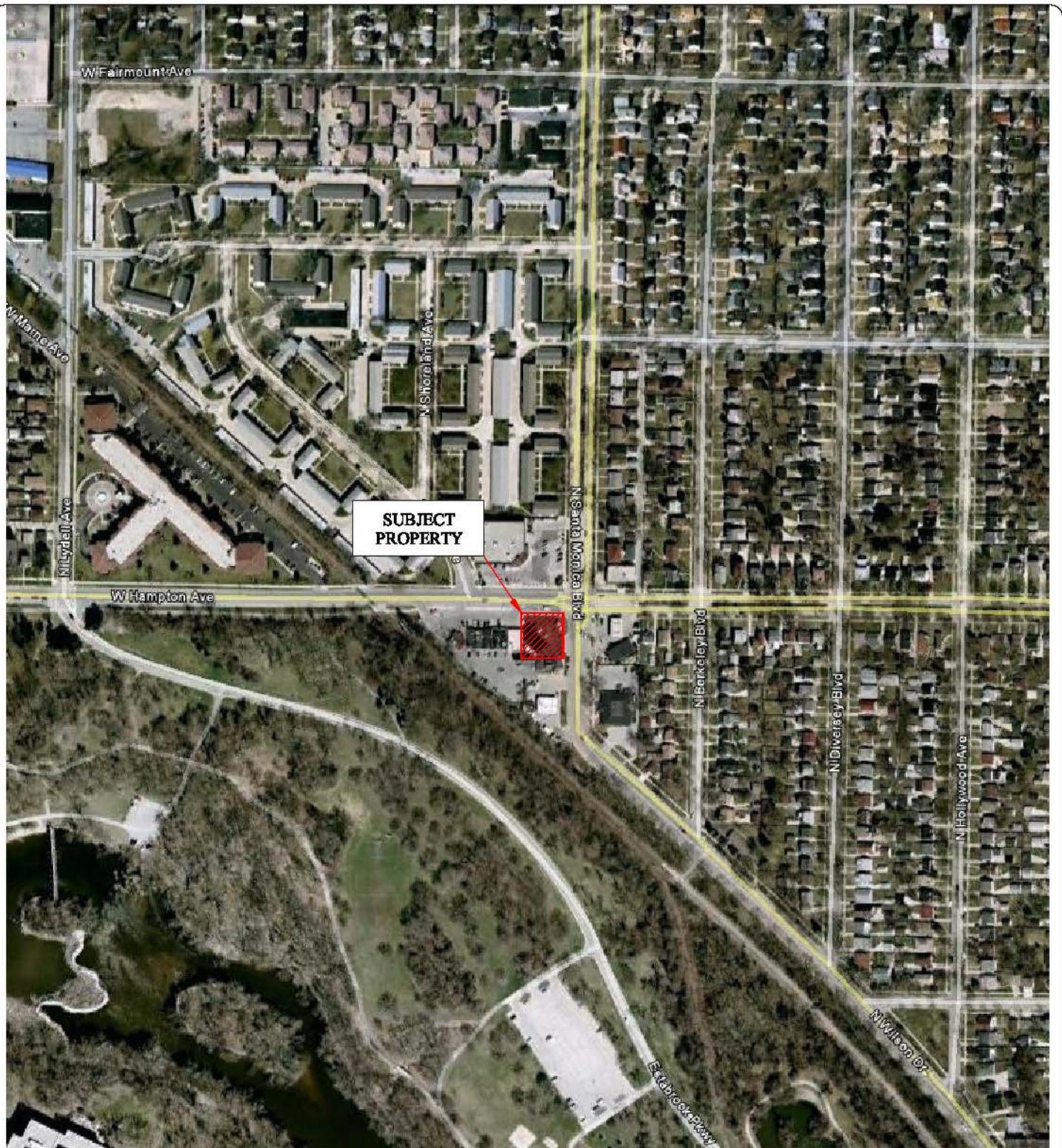
¹ Vapor action level = US EPA Regional Screening Levels with a 0.1 adjustment for carcinogens as described in WDNR Publication RR-800.

All results reported in units in micrograms per cubic meter = ug/m3

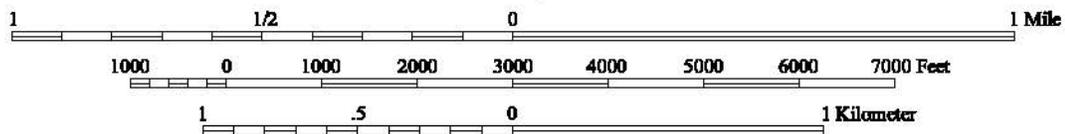
Bolded values are above detection limits

NE = Not Established

Figures



Scale 1:24,000



Source: US Geological Survey, Indianapolis East, Indiana Quadrangle, 7.5 Minute Series, 1984

No.	Date	Revision	Approved



Date:	02/11/11
Designed:	SP
Drawn:	SF
Checked:	JR
DWG file:	61348-10

SITE LOCATION MAP
 One Hour Martinizing Facility
 285 East Hampton Avenue
 Milwaukee, WI

Figure	1
Project	6194

Legend

- Property boundary
- City of Milwaukee/Village Whitefish Bay boundary
- Fence line
- GAS - Underground gas utility line
- WTR - Underground water utility line
- SAN - Underground sanitary utility line
- STM - Underground storm utility line
- UGE - Underground electrical utility line
- UGT - Underground fiber optic line

- Utility Pole
- Catch Basin
- Manhole
- Fire hydrant
- Electrical box
- SB-1 Soil Boring
- SG-1 Soil Gas boring

Analyte	Soil to Groundwater Residual Contaminant Level	Residential Residual Contaminant Level	Industrial Residual Contaminant Level
PCE	4.5	30,700	153,000
TCE	3.6	1,260	8,810
cis-1,2-DCE	41.2	156,000	2,040,000
Benzene	5.1	1,490	7,410
1,2,4-TMB	1,394	89,800	219,000
1,3,5-TMB	1,380	182,000	182,000
Bromobenzene	36.4	354,000	679,000
1,4-DCBZ	144	3,480	17,500
1,3-DCBZ	1,152.8	297,000	297,000
Chlorobenzene	98	392,000	761,000
Ethylbenzene	1,570	7,470	37,000
Isopropylbenzene	NE	NE	NE
Naphthalene	659	5,150	26,000
n-Butylbenzene	NE	NE	NE
n-Propylbenzene	1,970	264,000	264,000
p-Isopropyltoluene	NE	162,000	162,000
Toluene	1,384	818,000	818,000
Xylene - (Total)	19,700	258,000	258,000

- Note:
1. Bolded and blue shaded values exceed the Soil to Groundwater Residual Contaminant Level
 2. Bolded values are above detection limits
 3. J = Analyte concentration less than laboratory detection limits
 4. Samples analyzed using EPA SW-846 Method 8260
 5. All results reported in units of micrograms per liter (ug/L)
 6. PCE = Tetrachloroethene
 7. TCE = Trichloroethene
 8. cis-1,2-DCE = cis-1,2-Dichloroethene
 9. 1,2,4-TMB = 1,2,4-Trimethylbenzene
 10. 1,3,5-TMB = 1,3,5-Trimethylbenzene
 11. 1,4-DCBZ = 1,4-Dichlorobenzene
 12. 1,3-DCBZ = 1,3-Dichlorobenzene
 13. ND = Not detected
 14. VOCs = Violate Organic Compounds
 15. * = Toxicity Characteristic Leaching Procedure (TCLP) analysis of the sample yielded 0.081 milligrams per liter (mg/L)
 15. ^ = Toxicity Characteristic Leaching Procedure (TCLP) analysis of the sample yielded <0.05 milligrams per liter (mg/L)

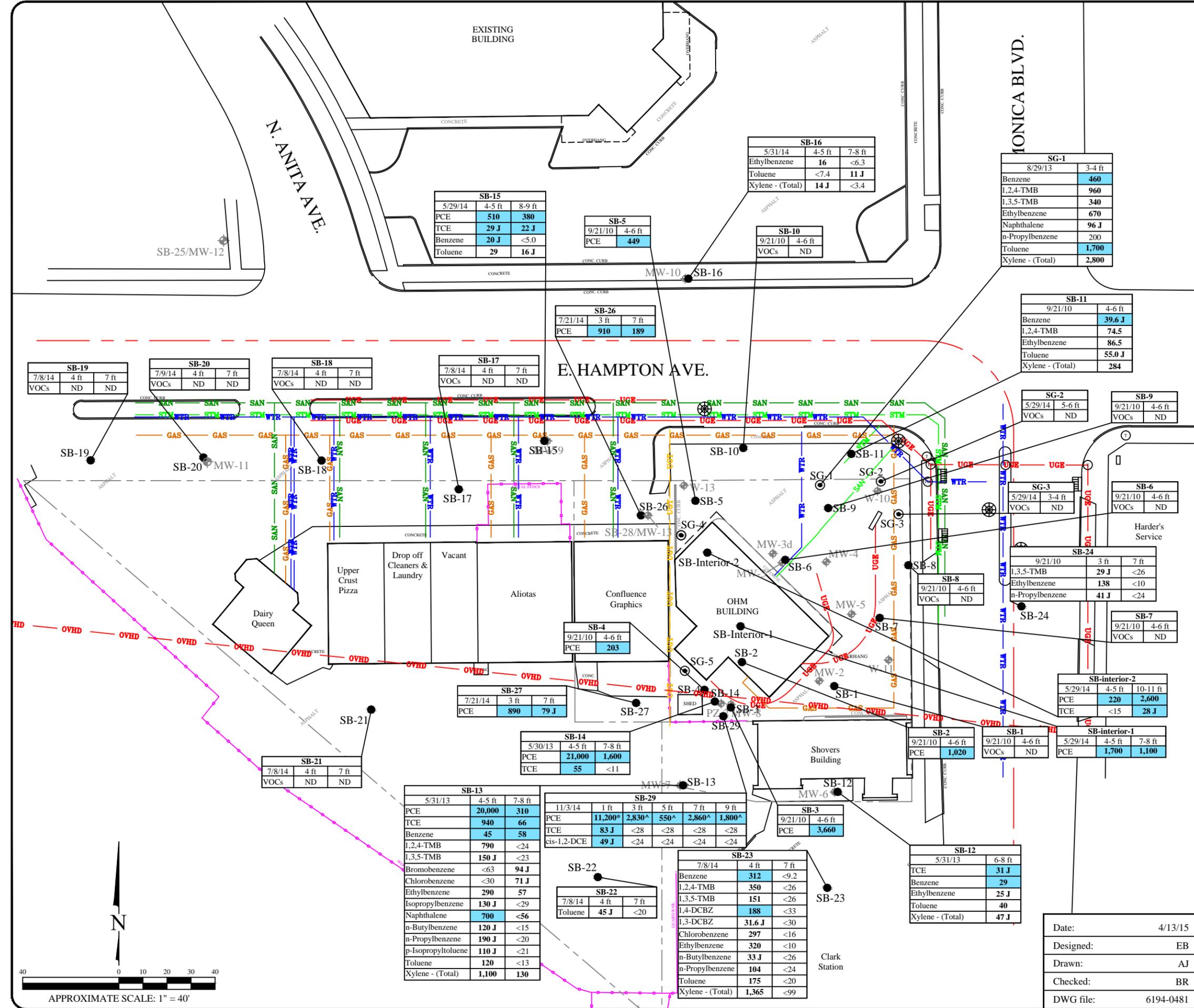
SOIL SAMPLE ANALYTICAL RESULTS MAP

One Hour Martinizing Facility
285 East Hampton Avenue
Milwaukee, Wisconsin

Date:	4/13/15
Designed:	EB
Drawn:	AJ
Checked:	BR
DWG file:	6194-0481



Figure	10
Project	6194



SB-16	5/31/14	4-5 ft	7-8 ft
Ethylbenzene	16		<6.3
Toluene	<7.4		11 J
Xylene - (Total)	14 J		<3.4

SB-15	5/29/14	4-5 ft	8-9 ft
PCE	510		380
TCE	29 J		22 J
Benzene	20 J		<5.0
Toluene	29		16 J

SB-5	9/21/10	4-6 ft
PCE	449	

SB-10	9/21/10	4-6 ft
VOCs	ND	

SG-1	8/29/13	3-4 ft
Benzene	460	
1,2,4-TMB	960	
1,3,5-TMB	340	
Ethylbenzene	670	
Naphthalene	96 J	
n-Propylbenzene	200	
Toluene	1,700	
Xylene - (Total)	2,800	

SB-11	9/21/10	4-6 ft
Benzene	39.6 J	
1,2,4-TMB	74.5	
Ethylbenzene	86.5	
Toluene	55.0 J	
Xylene - (Total)	284	

SB-26	7/21/14	3 ft	7 ft
PCE	910		189

SB-19	7/8/14	4 ft	7 ft
VOCs	ND		ND

SB-20	7/9/14	4 ft	7 ft
VOCs	ND		ND

SB-18	7/8/14	4 ft	7 ft
VOCs	ND		ND

SB-17	7/8/14	4 ft	7 ft
VOCs	ND		ND

SG-2	5/29/14	5-6 ft
VOCs	ND	

SB-9	9/21/10	4-6 ft
VOCs	ND	

SG-3	5/29/14	3-4 ft
VOCs	ND	

SB-6	9/21/10	4-6 ft
VOCs	ND	

SB-24	9/21/10	3 ft	7 ft
1,3,5-TMB	29 J		<26
Ethylbenzene	138		<10
n-Propylbenzene	41 J		<24

SB-7	9/21/10	4-6 ft
VOCs	ND	

SB-interior-2	5/29/14	4-5 ft	10-11 ft
PCE	220		2,600
TCE	<15		28 J

SB-4	9/21/10	4-6 ft
PCE	203	

SB-27	7/21/14	3 ft	7 ft
PCE	890		79 J

SB-14	5/30/13	4-5 ft	7-8 ft
PCE	21,000		1,600
TCE	55		<11

SB-13	5/31/13	4-5 ft	7-8 ft
PCE	20,000		310
TCE	940		66
Benzene	45		58
1,2,4-TMB	790		<24
1,3,5-TMB	150 J		<23
Bromobenzene	<63		94 J
Chlorobenzene	<30		71 J
Ethylbenzene	290		57
Isopropylbenzene	130 J		<29
Naphthalene	700		<56
n-Butylbenzene	120 J		<15
n-Propylbenzene	190 J		<20
p-Isopropyltoluene	110 J		<21
Toluene	120		<13
Xylene - (Total)	1,100		130

SB-29	11/3/14	1 ft	3 ft	5 ft	7 ft	9 ft
PCE	11,200*	2,830^	550^	2,860^	1,800^	
TCE	83 J	<28	<28	<28	<28	<28
cis-1,2-DCE	49 J	<24	<24	<24	<24	<24

SB-22	7/8/14	4 ft	7 ft
Toluene	45 J		<20

SB-23	7/8/14	4 ft	7 ft
Benzene	312		<9.2
1,2,4-TMB	350		<26
1,3,5-TMB	151		<26
1,4-DCBZ	188		<33
1,3-DCBZ	31.6 J		<30
Chlorobenzene	297		<16
Ethylbenzene	320		<10
n-Butylbenzene	33 J		<26
n-Propylbenzene	104		<24
Toluene	175		<20
Xylene - (Total)	1,365		<99

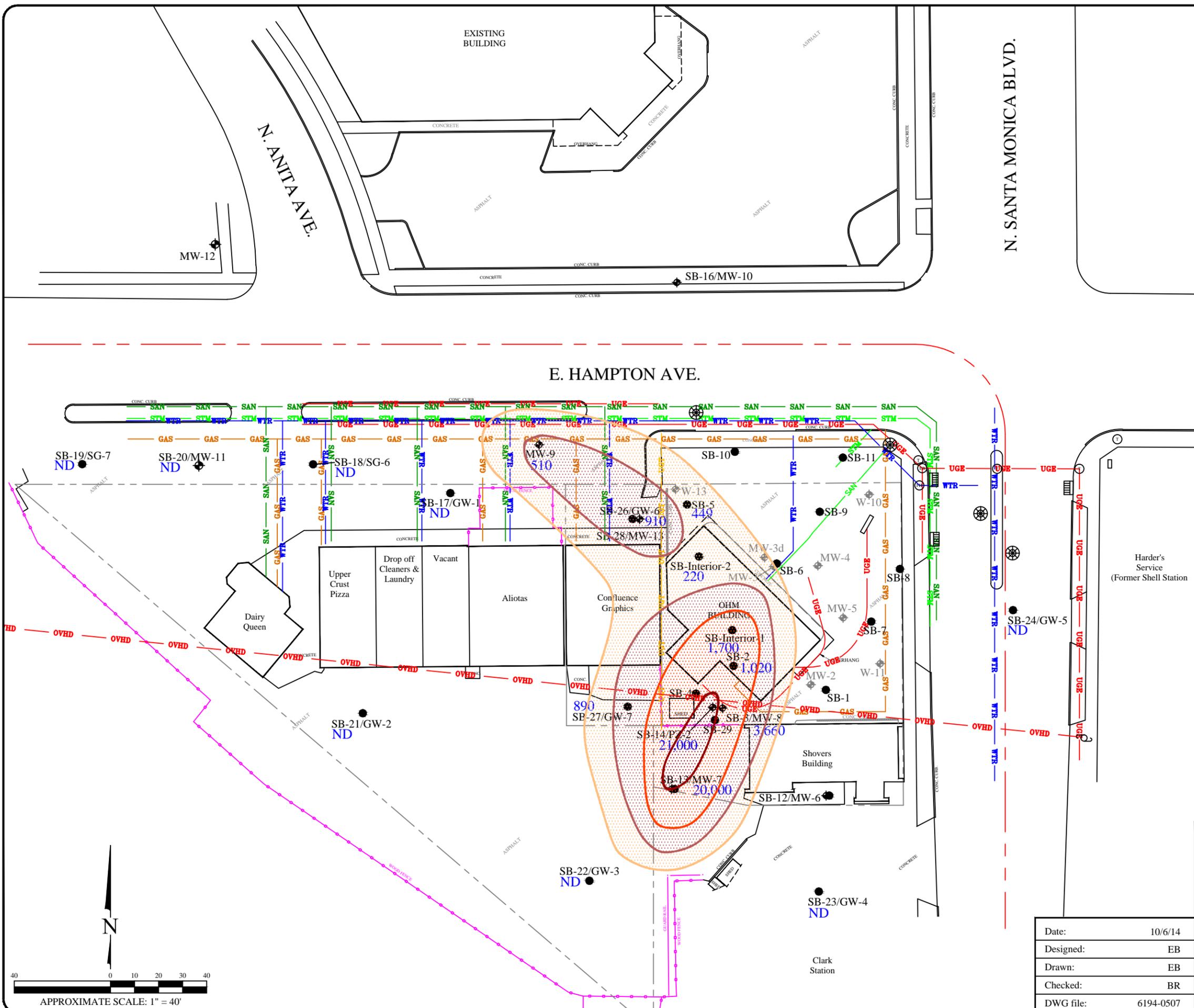
SB-3	9/21/10	4-6 ft
PCE	3,660	

SB-12	5/31/13	6-8 ft
TCE	31 J	
Benzene	29	
Ethylbenzene	25 J	
Toluene	40	
Xylene - (Total)	47 J	

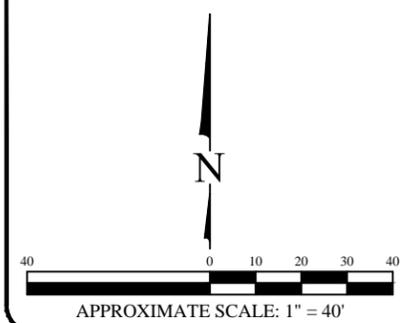


Legend

- Property boundary
- City of Milwaukee/Village Whitefish Bay boundary
- Fence line
- GAS Underground gas utility line
- WTR Underground water utility line
- SAN Underground sanitary utility line
- STM Underground storm utility line
- UGE Underground electrical utility line
- UGT Underground fiber optic line
- Utility Pole
- Catch Basin
- Manhole
- Fire hydrant
- Electrical box
- MW-1 Monitoring Well
- MW-1 Monitoring Well (By Others)
- SB-1 Soil Boring
- 6.8 PCE isoconcentration in soil ug/kg
- PCE contour 1 ug/kg
- PCE contour 500 ug/kg
- PCE contour 1,000 ug/kg
- PCE contour 20,000 ug/kg
- PCE = Tertachloroethene
ug/kg = micrograms per kilogram
ND = non detect



PCE IN SOIL ISCONCENTRATION MAP	
One Hour Martinizing Facility 285 East Hampton Avenue Milwaukee, Wisconsin	
	Figure 11
ENVIRONMENTAL FORENSIC INVESTIGATIONS, INC. 602 N. Capitol Ave., Ste. 210 • Indianapolis, IN 46204 EnviroForensics.com	
Date: 10/6/14 Designed: EB Drawn: EB Checked: BR DWG file: 6194-0507	Project 6194



Legend

- Property boundary
- - - City of Milwaukee/Village Whitefish Bay boundary
- Fence line
- MW-1 Monitoring Well
- MW-1 Monitoring Well (By Others)
- Soil Boring groundwater sample

Analyte	Public Health Preventive Action Limit	Public Health Enforcement Standard
PCE	0.5	5
TCE	0.5	5
cis-1,2-DCE	7	70
trans-1,2-DCE	20	100
1,1-DCE	0.7	7
Vinyl Chloride	0.02	0.2
Chlorobenzene	20	100
Benzene	0.5	5
n-Butylbenzene	NE	NE
sec-Butylbenzene	NE	NE
Ethylbenzene	140	700
Isopropylbenzene	NE	NE
MTBE	12	60
Naphthalene	10	100
n-Propylbenzene	NE	NE
Toluene	200	1,000
p-Isopropyltoluene	NE	NE
1,2,4-TMB	96	480
1,3,5-TMB	96	480
1,1,1-TCA	40	200
Xylene - (Total)	1,000	10,000
Chloroform	0.60	6

Note:

1. Bolded and orange shaded values exceed the Public Health Enforcement Standard
2. Bolded and blue shaded values exceed the Public Health Preventive Action Limit
3. Bolded values are above detection limits
4. J = Analyte concentration less than laboratory detection limits
5. Samples analyzed using EPA SW-846 Method 8260
6. All results reported in units of micrograms per liter (ug/L)
7. PCE = Tetrachloroethylene
8. TCE = Trichloroethylene
9. 1,2,4-TMB = 1,2,4-Trimethylbenzene
10. 1,3,5-TMB = 1,3,5-Trimethylbenzene
11. MTBE = Methyl-tert-Butyl Ether
12. 1,1-DCE = 1,1-Dichloroethylene
13. 1,1,1-TCA = 1,1,1-Trichloroethane
14. ND = Not detected
15. NS = Not Sampled

GROUNDWATER ANALYTICAL RESULT MAP 2014

One Hour Martinizing Facility
285 East Hampton Avenue
Milwaukee, Wisconsin



Figure

12

Project

6194

Date: 1/20/15
Designed: EB
Drawn: AJ
Checked: WF
DWG file: 6194-0483

MW-3	3/28/14	6/27/14	10/1/14	12/30/14
cis-1,2-DCE	<3.8	7.8 J	<3.8	<4.5
Vinyl Chloride	2.2 J	2.4 J	6.8 J	7.5
Benzene	75	96	139	145
n-Butylbenzene	35	38	43	36
sec-Butylbenzene	6.9 J	8.2 J	11.8 J	<12
Ethylbenzene	580	330	570	670
Isopropylbenzene	27.5	15.2	25.4	25.8 J
Naphthalene	195	330	710	420
n-Propylbenzene	75	38	62	70
Toluene	38	33	34 J	38
p-Isopropyltoluene	3.5 J	4.2 J	<0.17	<11
1,2,4-TMB	1030	1,270	2,150	1,870
1,3,5-TMB	274	350	560	460
Xylene (Total)	2,320	2,870	4,680	3,600
Chloroform	<0.28	<0.28	6.4 J	<4.3

MW-4	3/28/14	6/27/14	10/2/14	12/30/14
Benzene	9.8 J	<4.8	4.8 J	NS
n-Butylbenzene	34	16.4 J	16.7	NS
sec-Butylbenzene	9.8 J	<6.6	8.1 J	NS
Ethylbenzene	590	125	234	NS
Isopropylbenzene	31.6 J	8.0 J	13.5	NS
Naphthalene	700	281	620	NS
n-Propylbenzene	76	18.2	35	NS
p-Propylbenzene	8.2 J	<6.2	5.3 J	NS
1,2,4-TMB	2,160	840	1,550	NS
1,3,5-TMB	79 J	61 J	37 J	NS
Xylene (Total)	2,175	639.2 J	1,086	NS

W-10	3/28/14	6/26/14	10/2/14	12/30/14
Benzene	0.36	<0.24	<0.24	NS
MTBE	<0.23	<0.23	0.51 J	NS

MW-5	3/28/14	6/27/14	10/2/14	12/30/14
Benzene	164	137	183	NS
n-Butylbenzene	88	102	93	NS
sec-Butylbenzene	17 J	<16.5	15.8 J	NS
Ethylbenzene	790	276	650	NS
Isopropylbenzene	44 J	20.5 J	35	NS
Naphthalene	1,010	600	530	NS
n-Propylbenzene	126	45	90	NS
Toluene	440	312	400	NS
1,2,4-TMB	2,840	2,410	2,640	NS
1,3,5-TMB	730	810	820	NS
Xylene (Total)	10,870	8,060	10,800	NS

W-11	3/28/14	6/26/14	10/2/14	12/30/14
MTBE	0.23 J	<0.23	<0.23	NS

MW-2	3/27/14	6/27/14	10/2/14	12/30/14
PCE	3.7	6.8	7.3	7.1
n-Butylbenzene	<0.35	0.54 J	<0.35	<1
Naphthalene	<1.7	2.23 J	<1.7	<1.6
1,2,4-TMB	<2.2	8.2	<2.2	<1.6
1,3,5-TMB	<1.4	2.75 J	<1.4	<1.5
Xylene - (Total)	<0.69	11.57	<0.69	<2.2

MW-8	3/28/14	6/26/14	10/2/14	12/30/14
PCE	570	90	740	630
TCE	16.7	14.9	22	32
cis-1,2-DCE	11.3 J	15.8	22.3	7.1 J
Vinyl Chloride	<1.8	<1.8	2.0 J	<1.7
Benzene	140	460	118	7.0 J
Ethylbenzene	30.2	11.6 J	38	<7.1
MTBE	<2.3	30.8	<2.3	<11
Naphthalene	<17	31.2 J	<17	<16
Xylene (Total)	23.7	<6.9	18.8 J	<22

Clark Station

MW-3d	3/28/14	6/27/14	10/1/14	12/30/14
cis-1,2-DCE	1.04 J	<0.38	0.69 J	0.58 J
trans-1,2-DCE	0.47 J	<0.35	<0.35	<0.54
Vinyl Chloride	14.2	<0.18	7.4	11.3
Benzene	29.6	0.51 J	15.6	25
Isopropylbenzene	<0.3	<0.3	0.30 J	<0.82
MTBE	33	0.48 J	24.9	33

W-13	3/27/14	6/27/14	10/1/14	12/30/14
PCE	107	47	96	80
TCE	81	51	45	54
cis-1,2-DCE	83	400	99	44
trans-1,2-DCE	45	97	42	23
1,1-DCE	10.3	47	<0.4	<3.25
Vinyl Chloride	209	24.5	60	33
Benzene	6.8	2.12	3.8 J	6.9 J
Isopropylbenzene	0.57 J	<0.3	<0.3	<4.1
MTBE	2.37	0.60 J	<0.23	<5.5
n-Propylbenzene	0.61 J	0.29 J	<0.25	<3.85
Xylene (Total)	<0.69	<0.69	9.9 J	<11

MW-13	11/3/14	12/31/14
PCE	470	570
TCE	108	199
cis-1,2-DCE	30.2	44.0
trans-1,2-DCE	5.7 J	7.8 J
MTBE	3.2 J	<11

PZ-2	3/28/14	6/26/14	10/2/14	12/30/14
PCE	9.9	0.57 J	<0.33	3.4
TCE	2.95	2.47	0.34 J	0.59 J
cis-1,2-DCE	0.56 J	1.4	0.78 J	2.48
trans-1,2-DCE	<0.35	<0.35	<0.35	0.57 J
MTBE	0.92	0.58 J	1.08	<1.1
Naphthalene	<1.7	<1.7	<1.7	2.02 J
1,2,4-TMB	<2.2	<2.2	<2.2	5.50
1,3,5-TMB	<1.4	<1.4	<1.4	3.2 J
Xylene (Total)	0.69 J	<0.69	<0.69	<2.2

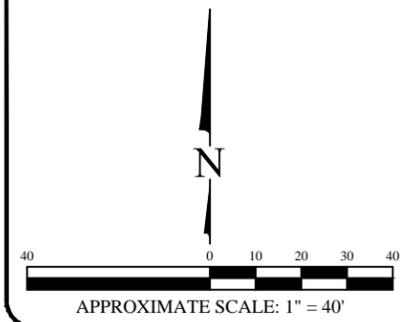
MW-7	3/27/14	6/26/14	10/2/14	12/30/14
PCE	1.06	0.70 J	1.77	NS
TCE	1.52	0.72 J	3.8	NS
cis-1,2-DCE	4.1	<0.38	9.4	NS
Vinyl Chloride	0.34 J	<0.18	<0.18	NS
Benzene	52	51	27.4	NS
MTBE	0.75	1.08	1.43	NS
n-Propylbenzene	<0.25	0.35 J	<0.25	NS

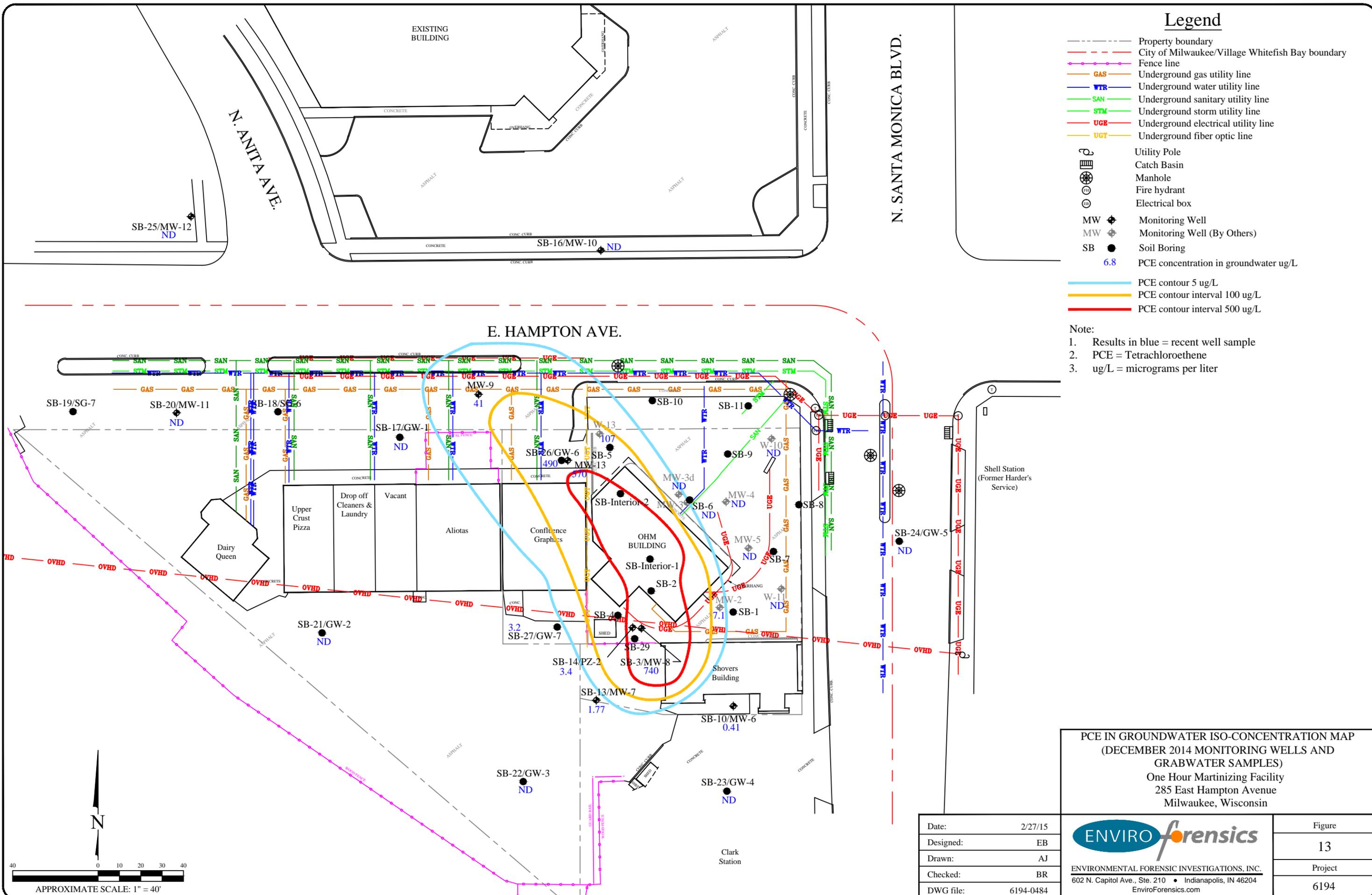
MW-6	3/27/14	6/26/14	10/2/14	12/30/14
PCE	0.41 J	<0.33	<0.33	NS
TCE	0.46 J	0.36 J	<16.5	NS
cis-1,2-DCE	<0.38	0.56 J	0.56 J	NS
Chlorobenzene	<0.24	<0.24	0.4 J	NS
Benzene	4.1	20.3	40	NS
Ethylbenzene	4.9	5.9	33	NS
Isopropylbenzene	<0.3	<0.3	0.34 J	NS
n-Propylbenzene	<0.25	<0.25	0.78 J	NS
Toluene	<0.69	1.17 J	2.78	NS
1,2,4-TMB	<2.2	<2.2	3.03 J	NS
Xylene (Total)	6.01 J	7.94 J	32.19 J	NS

MW-12	7/11/14	10/2/14	12/30/14
All VOCs	ND	ND	ND

MW-9	3/27/14	6/27/14	10/1/14	12/30/14
PCE	41	27.1	41	NS
TCE	7.5	4.9	7.2	NS
cis-1,2-DCE	42	4.7	4.7	NS
trans-1,2-DCE	1.24	<0.36	<0.36	NS
Vinyl Chloride	0.78	<0.18	0.24 J	NS
Benzene	0.29 J	<0.24	0.26 J	NS
MTBE	3.5	0.45 J	3.4	NS
1,1,1-TCA	0.66 J	1.84	3.11	NS

MW-11	7/11/14	10/1/14	12/30/14
All VOCs	ND	ND	ND





Legend

- Property boundary
- City of Milwaukee/Village Whitefish Bay boundary
- Fence line
- GAS Underground gas utility line
- WTR Underground water utility line
- SAN Underground sanitary utility line
- STM Underground storm utility line
- UGE Underground electrical utility line
- UGT Underground fiber optic line
- Utility Pole
- Catch Basin
- Manhole
- Fire hydrant
- Electrical box
- MW Monitoring Well
- MW Monitoring Well (By Others)
- SB Soil Boring
- 6.8 PCE concentration in groundwater ug/L
- PCE contour 5 ug/L
- PCE contour interval 100 ug/L
- PCE contour interval 500 ug/L

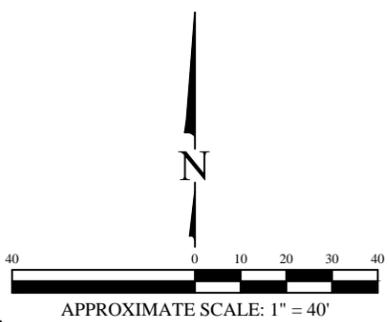
- Note:
1. Results in blue = recent well sample
 2. PCE = Tetrachloroethene
 3. ug/L = micrograms per liter

PCE IN GROUNDWATER ISO-CONCENTRATION MAP
 (DECEMBER 2014 MONITORING WELLS AND
 GRABWATER SAMPLES)
 One Hour Martinizing Facility
 285 East Hampton Avenue
 Milwaukee, Wisconsin

Date:	2/27/15
Designed:	EB
Drawn:	AJ
Checked:	BR
DWG file:	6194-0484

ENVIROforensics
 ENVIRONMENTAL FORENSIC INVESTIGATIONS, INC.
 602 N. Capitol Ave., Ste. 210 • Indianapolis, IN 46204
 EnviroForensics.com

Figure	13
Project	6194



Legend

- Property boundary
- City of Milwaukee/Village Whitefish Bay boundary
- Fence line
- GAS - Underground gas utility line
- WTR - Underground water utility line
- SAN - Underground sanitary utility line
- STM - Underground storm utility line
- UGE - Underground electrical utility line
- UGT - Underground fiber optic line

- Utility Pole
- Catch Basin
- Manhole
- Fire Hydrant
- Electrical Box
- SB-1 - Soil Boring
- SG-1 - Soil Gas Sample
- SSV-1 - Sub-Slab Vapor Sample Location
- OA-1 - Outdoor Air Sample
- IA-1 - Indoor Air Sample

Analyte	Sub-slab/Shallow Soil gas vapor Non-Residential Vapor Risk Screening Level	Indoor Air Non-Residential Vapor Action Level
PCE	1,800	180
TCE	88	8.8
Acetone	1,400,000	140,000
Benzene	160	16
Carbon Disulfide	31,000	3,100
Cyclohexane	26,000	2,600
DCDFM	4,400	440
Ethylbenzene	490	49
4-Ethyl Toluene	NE	NE
n-Heptane	NE	NE
n-Hexane	31,000	3,100
Methylene Chloride	26,300	2,630
Propylene	130,000	13,000
Styrene	44,000	4,400
Tetrahydrofuran	NE	NE
Toluene	220,000	22,000
1,2,4-TMB	310	31
1,3,5-TMB	NE	NE
TCFM	31,000	3,100
Xylene	4,400	440

- Note:
- Bold and shaded values exceed Vapor Risk Screening Levels
 - Bold values equal or exceed laboratory detection limits
 - All results reported in micrograms per cubic meter (ug/m³)
 - NE = Not established
 - PCE = Tetrachloroethene
 - TCE = Trichloroethene
 - DCDFM = Dichlorodifluoromethane
 - 1,2,4-TMB = 1,2,4-Trimethylbenzene
 - 1,3,5-TMB = 1,3,5-Trimethylbenzene
 - TCFM = Trichlorofluoromethane
 - NE = Not established
 - VOCs = Volatile Range Organics
 - ND = Not detected

VAPOR SAMPLE ANALYTICAL RESULTS MAP

One Hour Martinizing Facility
285 East Hampton Avenue
Milwaukee, Wisconsin

Date: 4/13/15

Designed: EB

Drawn: EB

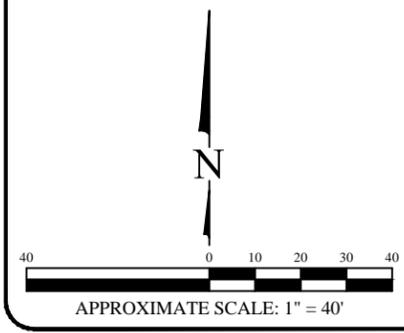
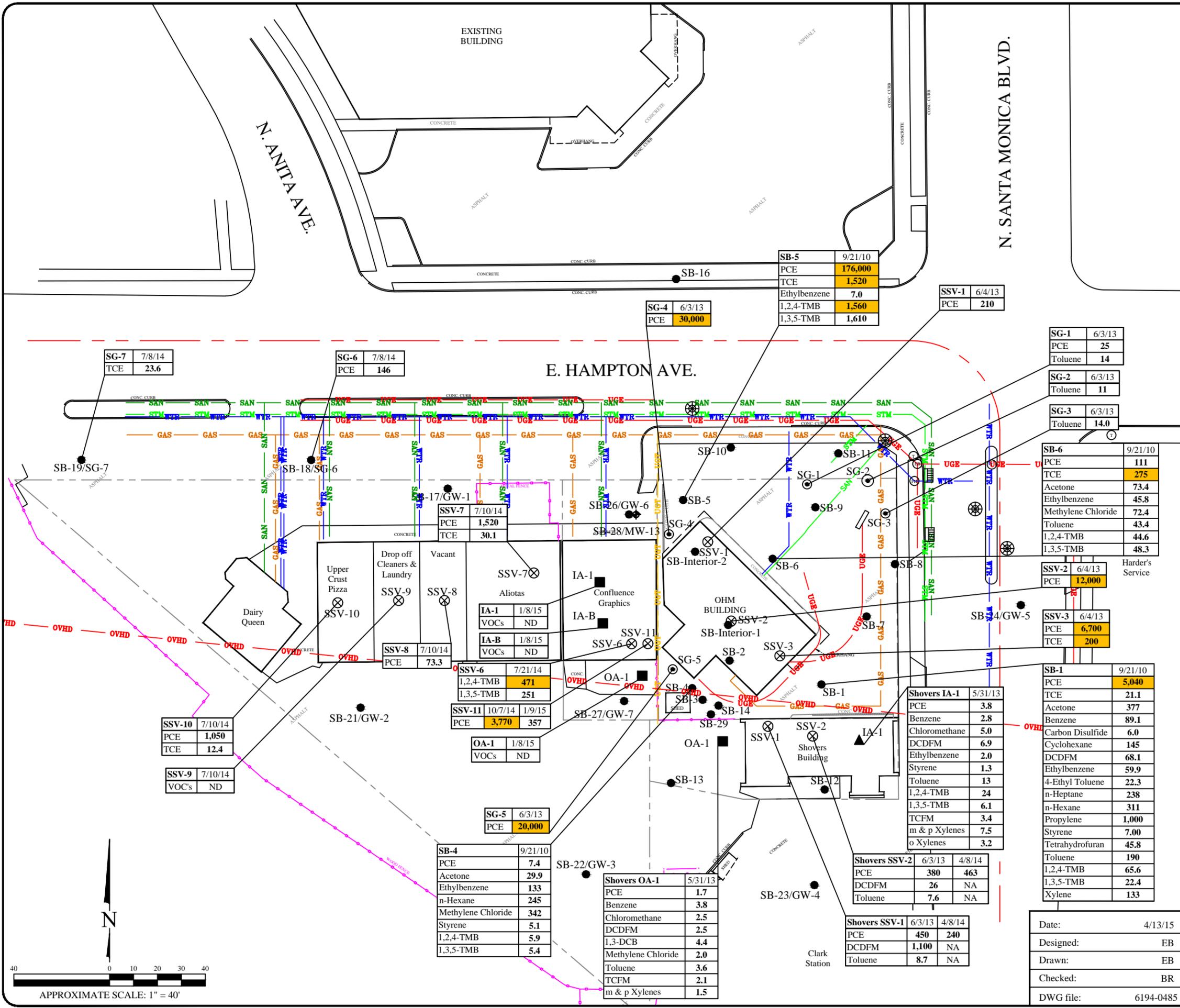
Checked: BR

DWG file: 6194-0485

ENVIRONMENTAL FORENSIC INVESTIGATIONS, INC.
602 N. Capitol Ave., Ste. 210 • Indianapolis, IN 46204
EnviroForensics.com

Figure
14

Project
6194



SB-5	9/21/10
PCE	176,000
TCE	1,520
Ethylbenzene	7.0
1,2,4-TMB	1,560
1,3,5-TMB	1,610

SG-4	6/3/13
PCE	30,000

SSV-1	6/4/13
PCE	210

SG-1	6/3/13
PCE	25
Toluene	14

SG-2	6/3/13
Toluene	11

SG-3	6/3/13
Toluene	14.0

SB-6	9/21/10
PCE	111
TCE	275
Acetone	73.4
Ethylbenzene	45.8
Methylene Chloride	72.4
Toluene	43.4
1,2,4-TMB	44.6
1,3,5-TMB	48.3

SSV-2	6/4/13
PCE	12,000

SSV-3	6/4/13
PCE	6,700
TCE	200

SB-1	9/21/10
PCE	5,040
TCE	21.1
Acetone	377
Benzene	89.1
Carbon Disulfide	6.0
Cyclohexane	145
DCDFM	68.1
Ethylbenzene	59.9
4-Ethyl Toluene	22.3
n-Heptane	238
n-Hexane	311
Propylene	1,000
Styrene	7.00
Tetrahydrofuran	45.8
Toluene	190
1,2,4-TMB	65.6
1,3,5-TMB	22.4
Xylene	133

Shovers IA-1	5/31/13
PCE	3.8
Benzene	2.8
Chloromethane	5.0
DCDFM	6.9
Ethylbenzene	2.0
Styrene	1.3
Toluene	13
1,2,4-TMB	24
1,3,5-TMB	6.1
TCFM	3.4
m & p Xylenes	7.5
o Xylenes	3.2

Shovers SSV-2	6/3/13	4/8/14
PCE	380	463
DCDFM	26	NA
Toluene	7.6	NA

Shovers SSV-1	6/3/13	4/8/14
PCE	450	240
DCDFM	1,100	NA
Toluene	8.7	NA

SB-4	9/21/10
PCE	7.4
Acetone	29.9
Ethylbenzene	133
n-Hexane	245
Methylene Chloride	342
Styrene	5.1
1,2,4-TMB	5.9
1,3,5-TMB	5.4

Shovers OA-1	5/31/13
PCE	1.7
Benzene	3.8
Chloromethane	2.5
DCDFM	2.5
1,3-DCB	4.4
Methylene Chloride	2.0
Toluene	3.6
TCFM	2.1
m & p Xylenes	1.5

SG-7	7/8/14
TCE	23.6

SG-6	7/8/14
PCE	146

SSV-7	7/10/14
PCE	1,520
TCE	30.1

SSV-6	7/21/14
1,2,4-TMB	471
1,3,5-TMB	251

SSV-11	10/7/14	1/9/15
PCE	3,770	357

SG-5	6/3/13
PCE	20,000

SSV-10	7/10/14
PCE	1,050
TCE	12.4

SSV-9	7/10/14
VOC's	ND

SSV-8	7/10/14
PCE	73.3

SSV-11	10/7/14	1/9/15
PCE	3,770	357

SSV-10	7/10/14
PCE	1,050
TCE	12.4

SSV-9	7/10/14
VOC's	ND

SSV-8	7/10/14
PCE	73.3

SSV-7	7/10/14
PCE	1,520
TCE	30.1

SSV-6	7/21/14
1,2,4-TMB	471
1,3,5-TMB	251

SSV-5	7/21/14
1,2,4-TMB	471
1,3,5-TMB	251

SSV-4	7/21/14
1,2,4-TMB	471
1,3,5-TMB	251

SSV-3	7/21/14
1,2,4-TMB	471
1,3,5-TMB	251

SSV-2	7/21/14
1,2,4-TMB	471
1,3,5-TMB	251

SSV-1	7/21/14
1,2,4-TMB	471
1,3,5-TMB	251

SSV-0	7/21/14
1,2,4-TMB	471
1,3,5-TMB	251

SSV-9	7/10/14
VOC's	ND

SSV-8	7/10/14
PCE	73.3

SSV-7	7/10/14
PCE	1,520
TCE	30.1

SSV-6	7/21/14
1,2,4-TMB	471
1,3,5-TMB	251

SSV-5	7/21/14
1,2,4-TMB	471
1,3,5-TMB	251

SSV-4	7/21/14
1,2,4-TMB	471
1,3,5-TMB	251

SSV-3	7/21/14
1,2,4-TMB	471
1,3,5-TMB	251

SSV-2	7/21/14
1,2,4-TMB	471
1,3,5-TMB	251

SSV-1	7/21/14
1,2,4-TMB	471
1,3,5-TMB	251

SSV-0	7/21/14
1,2,4-TMB	471
1,3,5-TMB	251

SSV-9	7/10/14
VOC's	ND

SSV-8	7/10/14
PCE	73.3

SSV-7	7/10/14
PCE	1,520
TCE	30.1

SSV-6	7/21/14
1,2,4-TMB	471
1,3,5-TMB	251

SSV-5	7/21/14
1,2,4-TMB	471
1,3,5-TMB	251

SSV-4	7/21/14
1,2,4-TMB	471
1,3,5-TMB	251

SSV-3	7/21/14
1,2,4-TMB	471
1,3,5-TMB	251

SSV-2	7/21/14
1,2,4-TMB	471
1,3,5-TMB	251

SSV-1	7/21/14
1,2,4-TMB	471
1,3,5-TMB	251

SSV-0	7/21/14
1,2,4-TMB	471
1,3,5-TMB	251

SSV-9	7/10/14
VOC's	ND

SSV-8	7/10/14
PCE	73.3

SSV-7	7/10/14
PCE	1,520
TCE	30.1

SSV-6	7/21/14
1,2,4-TMB	471
1,3,5-TMB	251

SSV-5	7/21/14
1,2,4-TMB	471
1,3,5-TMB	251

SSV-4	7/21/14
1,2,4-TMB	471
1,3,5-TMB	251

SSV-3	7/21/14
1,2,4-TMB	471
1,3,5-TMB	251

SSV-2	7/21/14
1,2,4-TMB	471
1,3,5-TMB	251

SSV-1	7/21/14
1,2,4-TMB	471
1,3,5-TMB	251

SSV-0	7/21/14
1,2,4-TMB	471
1,3,5-TMB	251

SSV-9	7/10/14
VOC's	ND

SSV-8	7/10/14
PCE	73.3

SSV-7	7/10/14
PCE	1,520
TCE	30.1

SSV-6	7/21/14
1,2,4-TMB	471
1,3,5-TMB	251

SSV-5	7/21/14
1,2,4-TMB	471
1,3,5-TMB	251

SSV-4	7/21/14
1,2,4-TMB	471
1,3,5-TMB	251

SSV-3	7/21/14
1,2,4-TMB	471
1,3,5-TMB	251

SSV-2	7/21/14
1,2,4-TMB	471
1,3,5-TMB	251

SSV-1	7/21/14
1,2,4-TMB	471
1,3,5-TMB	251

SSV-0	7/21/14
1,2,4-TMB	471
1,3,5-TMB	251

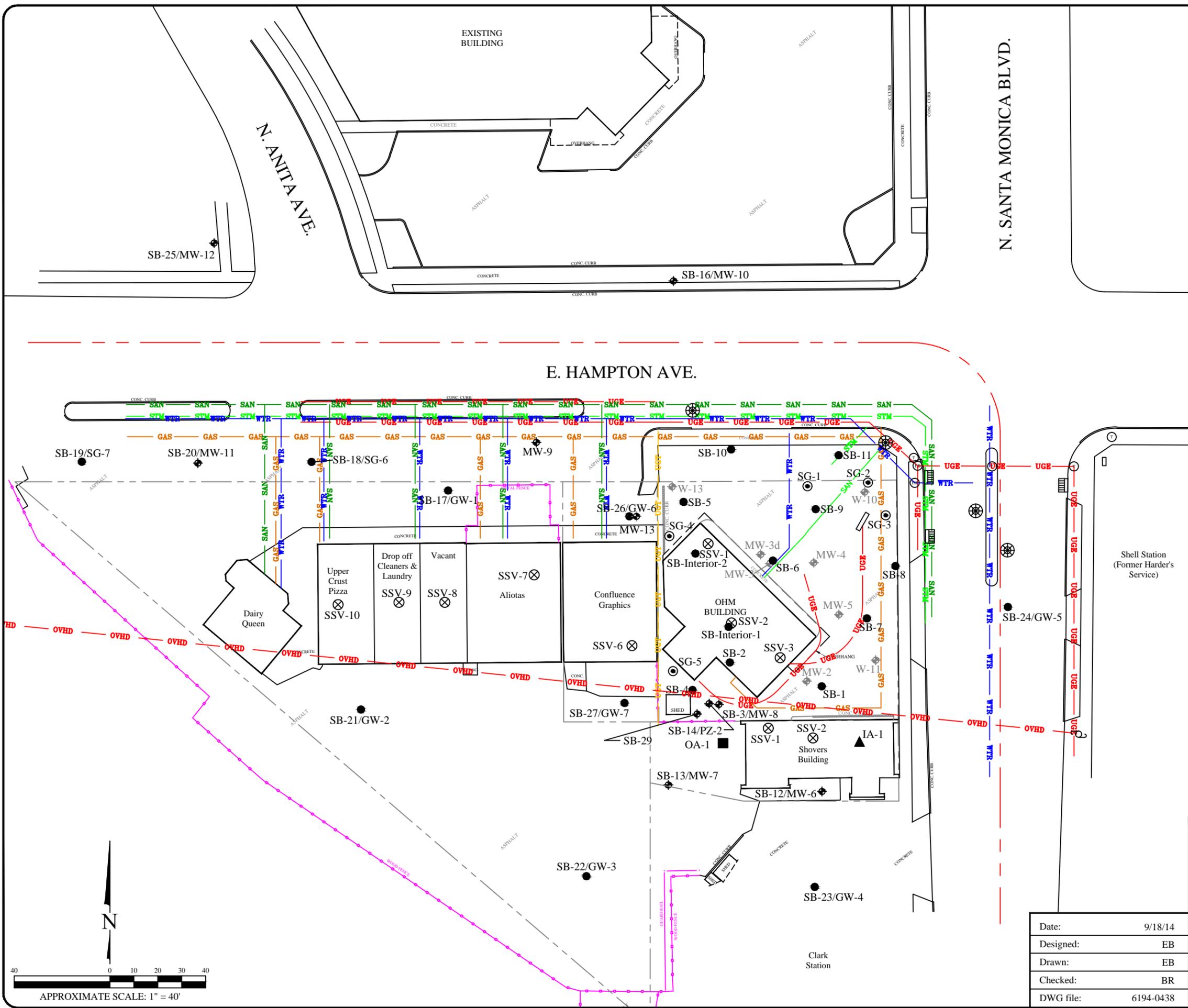
SSV-9	7/10/14
VOC's	ND

SSV-8	7/10/14
PCE	73.3

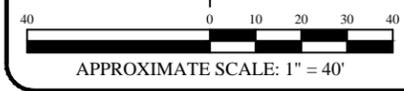
SSV-7	7/10/14
PCE	1,520
TCE	30.1

Legend

- Property boundary
- - - - - City of Milwaukee/Village Whitefish Bay boundary
- Fence line
- GAS Underground gas utility line
- WTR Underground water utility line
- SAN Underground sanitary utility line
- STM Underground storm utility line
- UGE Underground electrical utility line
- UGT Underground fiber optic line
- Utility Pole
- Catch Basin
- Manhole
- Fire hydrant
- Electrical box
- MW-1 Monitoring Well
- MW-1 Monitoring Well (By Others)
- SB-1 Soil Boring
- SG-1 Soil Gas sample
- SSV-1 Sub-Slab Vapor sample location
- OA-1 Outdoor air sample
- IA-1 Indoor air sample

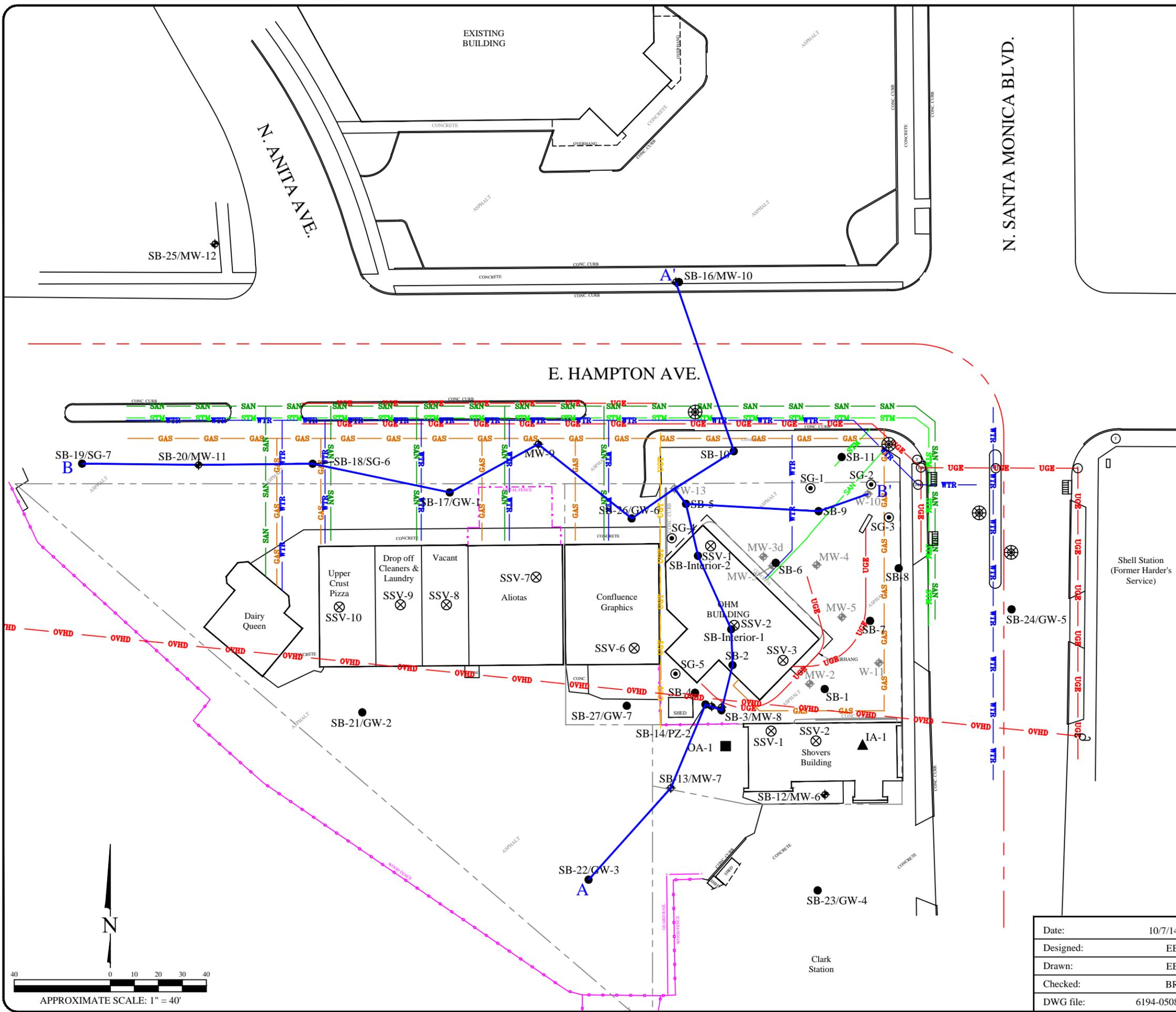


SITE PLAN											
One Hour Martinizing Facility 285 East Hampton Avenue Milwaukee, Wisconsin											
	Figure 2										
ENVIRONMENTAL FORENSIC INVESTIGATIONS, INC. 602 N. Capitol Ave., Ste. 210 • Indianapolis, IN 46204 EnviroForensics.com											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Date:</td><td>9/18/14</td></tr> <tr><td>Designed:</td><td>EB</td></tr> <tr><td>Drawn:</td><td>EB</td></tr> <tr><td>Checked:</td><td>BR</td></tr> <tr><td>DWG file:</td><td>6194-0438</td></tr> </table>	Date:	9/18/14	Designed:	EB	Drawn:	EB	Checked:	BR	DWG file:	6194-0438	Project 6194
Date:	9/18/14										
Designed:	EB										
Drawn:	EB										
Checked:	BR										
DWG file:	6194-0438										



Legend

- Property boundary
- City of Milwaukee/Village Whitefish Bay boundary
- Fence line
- GAS Underground gas utility line
- WTR Underground water utility line
- SAN Underground sanitary utility line
- STM Underground storm utility line
- UGE Underground electrical utility line
- UGT Underground fiber optic line
- Utility Pole
- Catch Basin
- Manhole
- Fire hydrant
- Electrical box
- MW-1 Monitoring Well
- MW-1 Monitoring Well (By Others)
- SB-1 Soil Boring
- SG-1 Soil Gas sample
- SSV-1 Sub-Slab Vapor sample location
- OA-1 Outdoor air sample
- IA-1 Indoor air sample



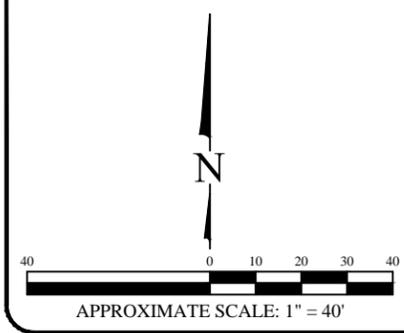
**GEOLOGIC CROSS SECTION TRANSECT MAP
A-A' AND B-B'**

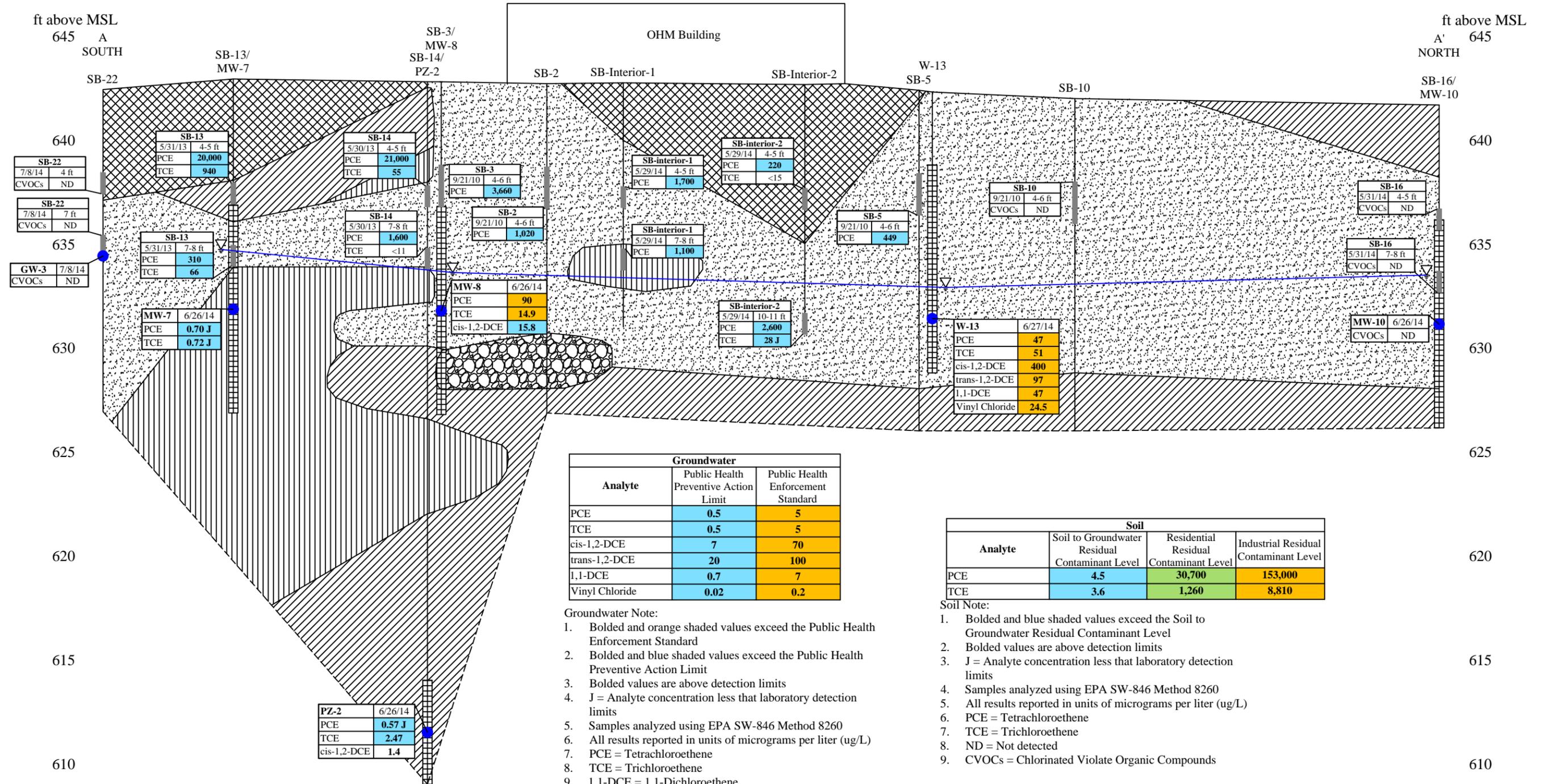
One Hour Martinizing Facility
285 East Hampton Avenue
Milwaukee, Wisconsin

Date:	10/7/14
Designed:	EB
Drawn:	EB
Checked:	BR
DWG file:	6194-0508

ENVIRONMENTAL FORENSIC INVESTIGATIONS, INC.
602 N. Capitol Ave., Ste. 210 • Indianapolis, IN 46204
EnviroForensics.com

Figure	3
Project	6194





Groundwater		
Analyte	Public Health Preventive Action Limit	Public Health Enforcement Standard
PCE	0.5	5
TCE	0.5	5
cis-1,2-DCE	7	70
trans-1,2-DCE	20	100
1,1-DCE	0.7	7
Vinyl Chloride	0.02	0.2

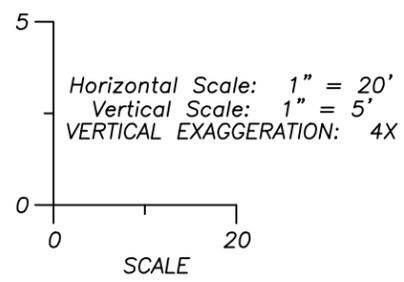
Soil			
Analyte	Soil to Groundwater Residual Contaminant Level	Residential Residual Contaminant Level	Industrial Residual Contaminant Level
PCE	4.5	30,700	153,000
TCE	3.6	1,260	8,810

- Groundwater Note:
- Bolded and orange shaded values exceed the Public Health Enforcement Standard
 - Bolded and blue shaded values exceed the Public Health Preventive Action Limit
 - Bolded values are above detection limits
 - J = Analyte concentration less than laboratory detection limits
 - Samples analyzed using EPA SW-846 Method 8260
 - All results reported in units of micrograms per liter (ug/L)
 - PCE = Tetrachloroethene
 - TCE = Trichloroethene
 - 1,1-DCE = 1,1-Dichloroethene
 - ND = Not detected
 - CVOCs = Chlorinated Volatile Organic Compounds
 - Groundwater samples Collected on June and July 2014

- Soil Note:
- Bolded and blue shaded values exceed the Soil to Groundwater Residual Contaminant Level
 - Bolded values are above detection limits
 - J = Analyte concentration less than laboratory detection limits
 - Samples analyzed using EPA SW-846 Method 8260
 - All results reported in units of micrograms per liter (ug/L)
 - PCE = Tetrachloroethene
 - TCE = Trichloroethene
 - 1,1-DCE = 1,1-Dichloroethene
 - CVOCs = Chlorinated Volatile Organic Compounds

Legend

- Fill
- Sand
- Clay
- Silt
- Gravel
- Observed groundwater elevation on June 26, 2014
- Monitoring well screen
- Dashed boundaries are inferred
- ft above MSL = Feet above Mean Sea Level
- Soil sample depth interval
- Groundwater sample depth interval



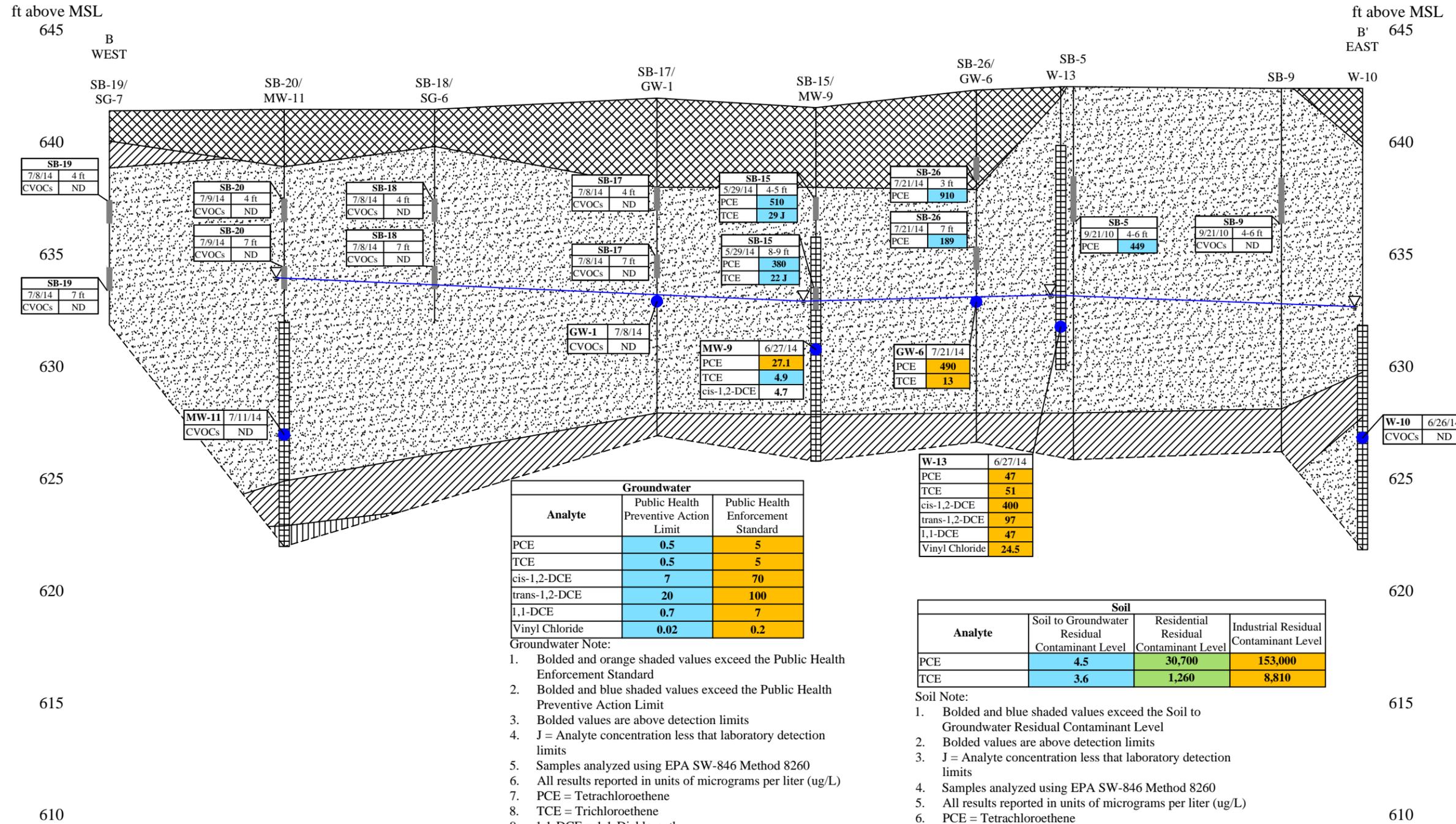
GEOLOGIC CROSS SECTION SHOWING DATA POINTS WITH SOIL AND GROUNDWATER ANALYTICAL RESULTS

One Hour Martinizing Facility
285 East Hampton Avenue
Milwaukee, Wisconsin

Date:	10/7/14
Designed:	EB
Drawn:	EB
Checked:	BR
DWG file:	6194-0508

ENVIRONMENTAL FORENSIC INVESTIGATIONS, INC.
602 N. Capitol Ave., Ste. 210 • Indianapolis, IN 46204
EnviroForensics.com

Figure	4
Project	6194



Groundwater		
Analyte	Public Health Preventive Action Limit	Public Health Enforcement Standard
PCE	0.5	5
TCE	0.5	5
cis-1,2-DCE	7	70
trans-1,2-DCE	20	100
1,1-DCE	0.7	7
Vinyl Chloride	0.02	0.2

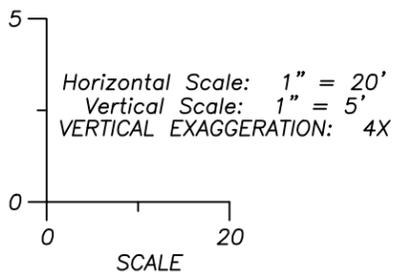
- Groundwater Note:
- Bolded and orange shaded values exceed the Public Health Enforcement Standard
 - Bolded and blue shaded values exceed the Public Health Preventive Action Limit
 - Bolded values are above detection limits
 - J = Analyte concentration less than laboratory detection limits
 - Samples analyzed using EPA SW-846 Method 8260
 - All results reported in units of micrograms per liter (ug/L)
 - PCE = Tetrachloroethene
 - TCE = Trichloroethene
 - 1,1-DCE = 1,1-Dichloroethene
 - ND = Not detected
 - CVOCs = Chlorinated Volatile Organic Compounds
 - Groundwater samples Collected on June and July 2014

Soil			
Analyte	Soil to Groundwater Residual Contaminant Level	Residential Residual Contaminant Level	Industrial Residual Contaminant Level
PCE	4.5	30,700	153,000
TCE	3.6	1,260	8,810

- Soil Note:
- Bolded and blue shaded values exceed the Soil to Groundwater Residual Contaminant Level
 - Bolded values are above detection limits
 - J = Analyte concentration less than laboratory detection limits
 - Samples analyzed using EPA SW-846 Method 8260
 - All results reported in units of micrograms per liter (ug/L)
 - PCE = Tetrachloroethene
 - TCE = Trichloroethene
 - ND = Not detected
 - CVOCs = Chlorinated Volatile Organic Compounds

Legend

- Fill
- Sand
- Clay
- Silt
- Gravel
- Observed groundwater elevation on June 26, 2014
- Monitoring well screen
- Dashed boundaries are inferred
- ft above MSL = Feet above Mean Sea Level
- Soil sample depth interval
- Groundwater sample depth interval



GEOLOGIC CROSS SECTION SHOWING DATA POINTS WITH SOIL AND GROUNDWATER ANALYTICAL RESULTS

One Hour Martinizing Facility
285 East Hampton Avenue
Milwaukee, Wisconsin

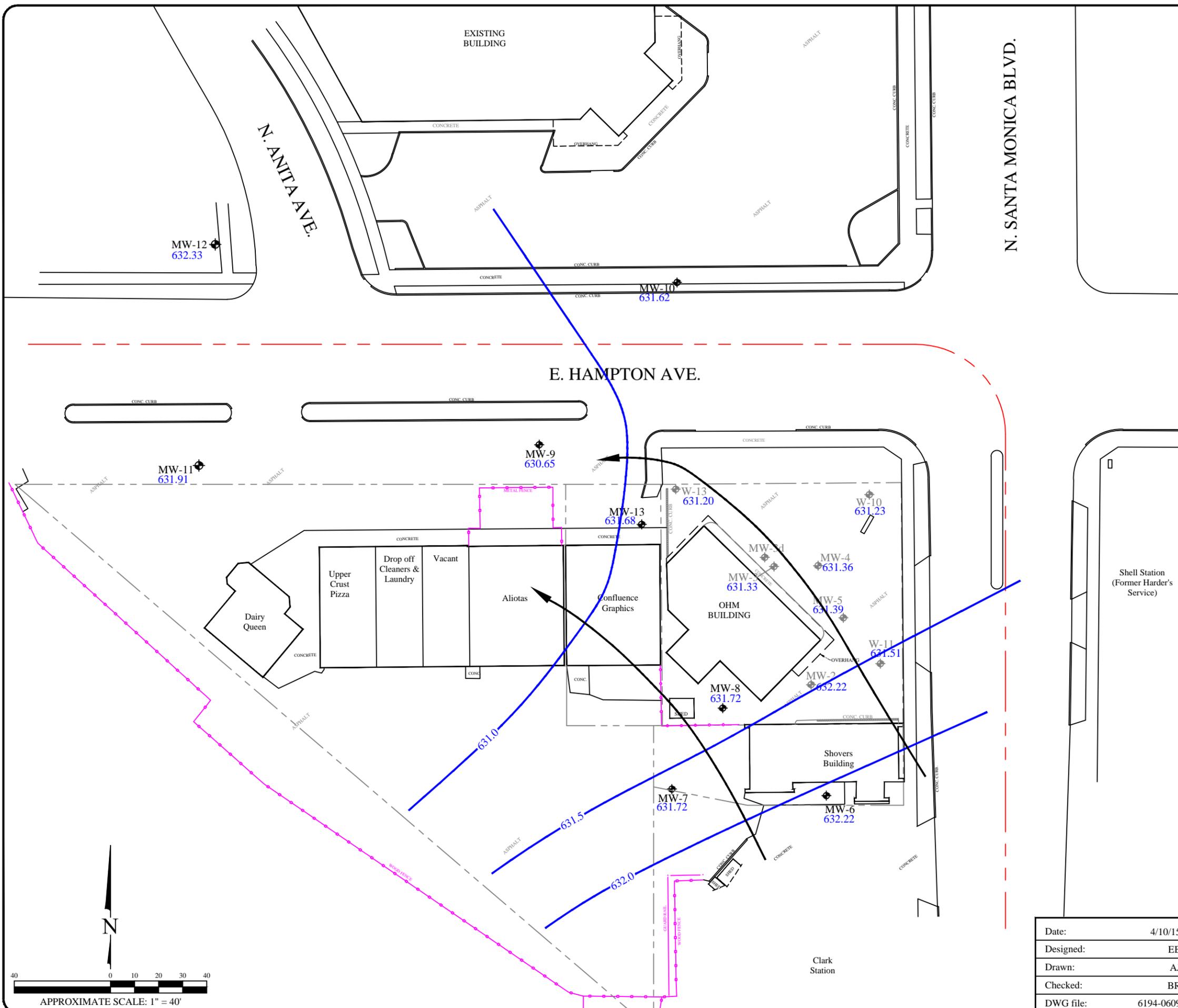
Date:	10/7/14
Designed:	EB
Drawn:	EB
Checked:	BR
DWG file:	6194-0508

ENVIRONMENTAL FORENSIC INVESTIGATIONS, INC.
602 N. Capitol Ave., Ste. 210 • Indianapolis, IN 46204
EnviroForensics.com

Figure	5
Project	6194

Legend

- Property boundary
- - - - - City of Milwaukee/Village Whitefish Bay boundary
- Fence line
- MW-1  Monitoring Well
- MW-1  Monitoring Well (By Others)
- 631.5  Groundwater equipotential line (dashed where inferred)
- 631.43  Groundwater elevation (feet above mean sea level)
-  Approximate groundwater flow direction



N. SANTA MONICA BLVD.

E. HAMPTON AVE.

N. ANITA AVE.

Shell Station
(Former Harder's Service)

Clark Station

MW-11
631.91

MW-12
632.33

MW-10
631.62

MW-9
630.65

MW-13
631.68

MW-13
631.20

MW-10
631.23

MW-4
631.36

MW-3
631.33

MW-5
631.39

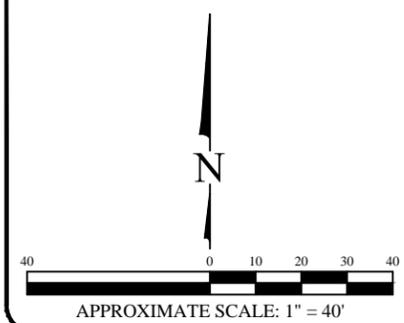
MW-11
631.51

MW-8
631.72

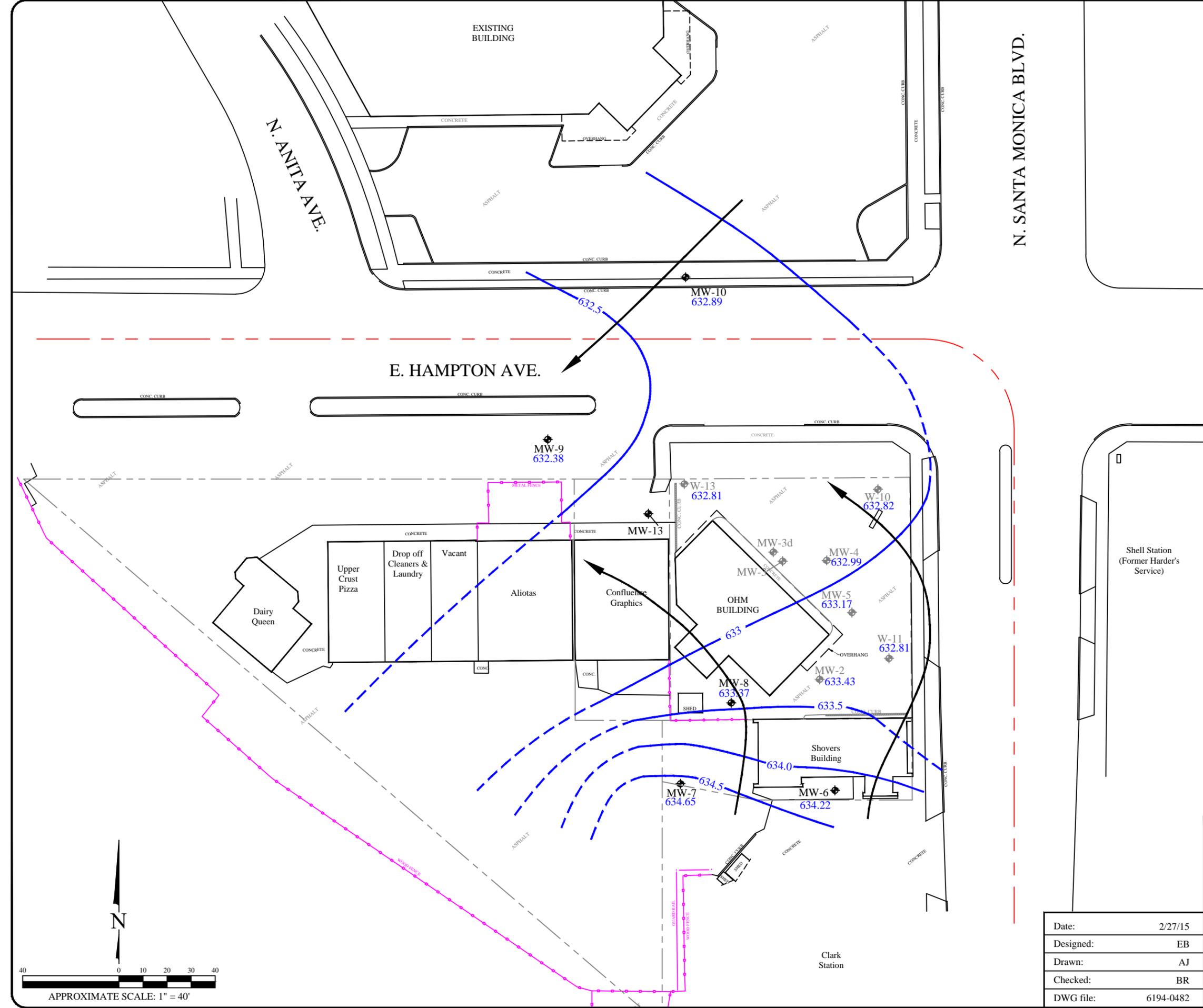
MW-2
632.22

MW-7
631.72

MW-6
632.22

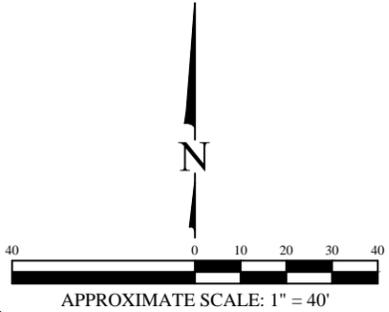


GROUNDWATER ELEVATION CONTOUR MAP MARCH 2014 One Hour Martinizing Facility 285 East Hampton Avenue Milwaukee, Wisconsin											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Date:</td><td>4/10/15</td></tr> <tr><td>Designed:</td><td>EB</td></tr> <tr><td>Drawn:</td><td>AJ</td></tr> <tr><td>Checked:</td><td>BR</td></tr> <tr><td>DWG file:</td><td>6194-0609</td></tr> </table>	Date:	4/10/15	Designed:	EB	Drawn:	AJ	Checked:	BR	DWG file:	6194-0609	 ENVIRONMENTAL FORENSIC INVESTIGATIONS, INC. 602 N. Capitol Ave., Ste. 210 • Indianapolis, IN 46204 EnviroForensics.com
Date:	4/10/15										
Designed:	EB										
Drawn:	AJ										
Checked:	BR										
DWG file:	6194-0609										
Figure 6 Project 6194											



Legend

- Property boundary
- - - - - City of Milwaukee/Village Whitefish Bay boundary
- Fence line
- MW-1 Monitoring Well
- MW-1 Monitoring Well (By Others)
- 634.5 - - - - Groundwater equipotential line (dashed where inferred)
- 632.38 Groundwater elevation (feet above mean sea level)
- Approximate groundwater flow direction



GROUNDWATER ELEVATION CONTOUR MAP
 - JUNE 27, 2014
 One Hour Martinizing Facility
 285 East Hampton Avenue
 Milwaukee, Wisconsin

Date:	2/27/15
Designed:	EB
Drawn:	AJ
Checked:	BR
DWG file:	6194-0482

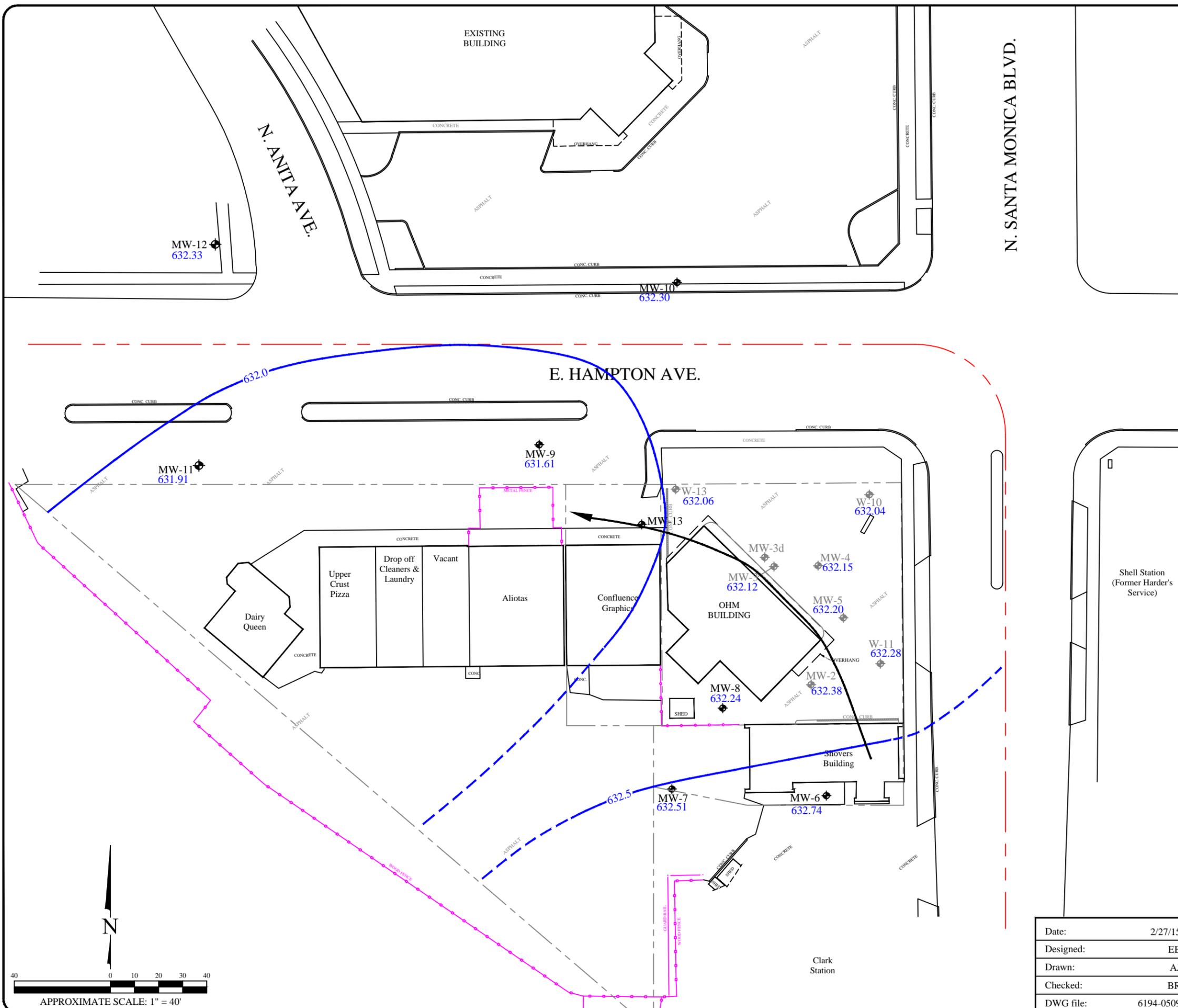


ENVIRONMENTAL FORENSIC INVESTIGATIONS, INC.
 602 N. Capitol Ave., Ste. 210 • Indianapolis, IN 46204
 EnviroForensics.com

Figure	7
Project	6194

Legend

- Property boundary
- - - - - City of Milwaukee/Village Whitefish Bay boundary
- Fence line
- MW-1  Monitoring Well
- MW-1  Monitoring Well (By Others)
- 632.5 - - - - Groundwater equipotential line (dashed where inferred)
- 632.15 Groundwater elevation (feet above mean sea level)
- ← Approximate groundwater flow direction

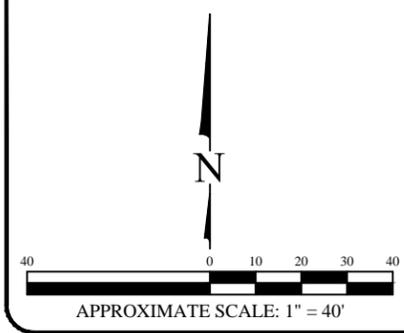


GROUNDWATER ELEVATION CONTOUR MAP
 OCTOBER 1, 2014
 One Hour Martinizing Facility
 285 East Hampton Avenue
 Milwaukee, Wisconsin

Date:	2/27/15
Designed:	EB
Drawn:	AJ
Checked:	BR
DWG file:	6194-0509

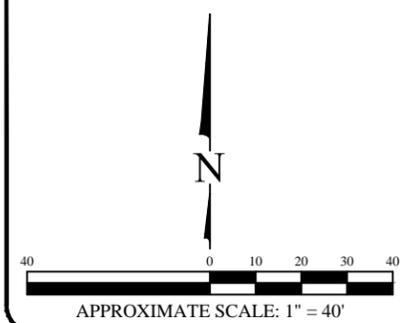
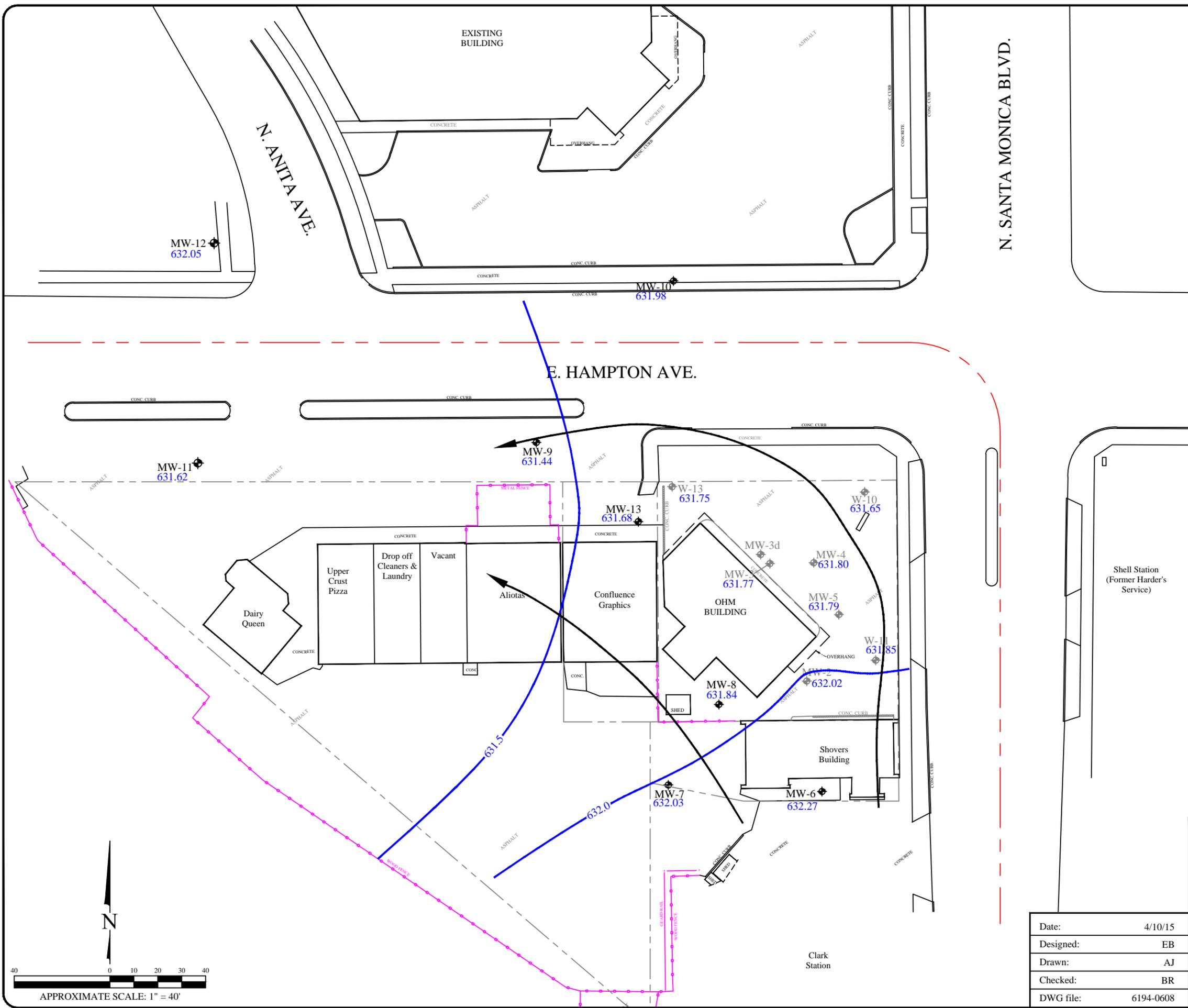

 ENVIRONMENTAL FORENSIC INVESTIGATIONS, INC.
 602 N. Capitol Ave., Ste. 210 • Indianapolis, IN 46204
 EnviroForensics.com

Figure	8
Project	6194



Legend

- Property boundary
- - - - - City of Milwaukee/Village Whitefish Bay boundary
- Fence line
- MW-1  Monitoring Well
- MW-1  Monitoring Well (By Others)
- 631.5  Groundwater equipotential line (dashed where inferred)
- 632.03  Groundwater elevation (feet above mean sea level)
-  Approximate groundwater flow direction



GROUNDWATER ELEVATION CONTOUR MAP
DECEMBER 2014
One Hour Martinizing Facility
285 East Hampton Avenue
Milwaukee, Wisconsin

Date:	4/10/15
Designed:	EB
Drawn:	AJ
Checked:	BR
DWG file:	6194-0608



ENVIRONMENTAL FORENSIC INVESTIGATIONS, INC.
602 N. Capitol Ave., Ste. 210 • Indianapolis, IN 46204
EnviroForensics.com

Figure	9
Project	6194



June 22, 2018

John Hnat
Wisconsin Department of Natural Resources
2300 N. Dr. Martin Luther King Jr. Drive
Milwaukee, WI 53212

**Re: Remedial Progress Report and Groundwater Treatment Plan
One Hour Martinizing
285 E. Hampton Ave
Milwaukee, Wisconsin 53217
BRRTS# 02-41-543260**

Dear Mr. Hnat:

EnviroForensics, LLC (EnviroForensics) is pleased to submit this Remedial Progress Report and Groundwater Treatment Plan (Report) for the One Hour Martinizing site located at 285 E. Hampton Avenue in Milwaukee, Wisconsin. One hardcopy of the Report is enclosed, and an electronic copy has been sent to the southeast region mailbox. The Technical Assistance review fee is enclosed.

On behalf of OHM Holdings LLC, EnviroForensics is requesting a written response to the recommended additional remedial actions and remedial objectives contained in the Report. The remedial objectives have been established to provide a realistic and straightforward pathway to site closure.

If you have any questions regarding the Report, please feel free to contact me at (414) 982-3988 or by email at wfassbender@enviroforensics.com.

Sincerely,
EnviroForensics, LLC

A handwritten signature in black ink that reads "Wayne P. Fassbender".

Wayne Fassbender, PG
Senior Project Manager

Copy: Brian Cass, OHM Holdings LLC
Jennifer Dorman, WDNR

enclosures

Document: 6194-1062
EnviroForensics, LLC
N16 W23390 Stone Ridge Dr, Suite G, Waukesha, WI 53188
Phone: 262-290-4001 • Fax 317-972-7875



**REMEDATION PROGRESS REPORT
AND
GROUNDWATER TREATMENT PLAN**

**ONE HOUR MARTINIZING
285 EAST HAMPTON AVENUE
MILWAUKEE, WISCONSIN
BRRTS# 02-41-543260**

June 22, 2018

Prepared For:

OHM Holdings LLC
W229N2494 County Road F
Waukesha, Wisconsin 53186

Prepared By:

EnviroForensics, LLC
N16 W23390 Stone Ridge Drive, Suite G
Waukesha, WI 53188
Phone: (262) 290-4001
www.enviroforensics.com

A handwritten signature in blue ink, appearing to read "Brian Kappen".

Brian Kappen, PG
Project Manager

A handwritten signature in blue ink, appearing to read "Wayne P. Fassbender".

Wayne Fassbender, PG, PMP
Senior Project Manager

Andrew Horwath, PE
Director of Engineering and Remediation Services

TABLE OF CONTENTS

1.0 BACKGROUND 1

1.1 Site Hydrogeology 1

1.2 Nature and Extent of Contamination 2

2.0 IDENTIFICATION AND EVALUATION OF REMEDIAL ACTION OPTIONS... 3

2.1 Remedial Action Options Screening..... 3

2.2 Remedial Action Options Evaluation 4

 2.2.1 Technical Feasibility 5

 2.2.2 Economic Feasibility 6

 2.2.3 Continuing Obligations 7

2.3 Remedial Action Options Selected 7

2.4 Soil Vapor Extraction Pilot Study..... 8

3.0 CONTAMINATED SOIL REMOVAL 9

3.1 Remedial Characterization Sampling 9

3.2 Excavation Activities 10

3.3 Post-Excavation Soil Sampling..... 10

4.0 GROUNDWATER TREATMENT PLAN..... 12

4.1 Permits and Approvals..... 12

4.2 ERD Application..... 12

4.3 Performance Monitoring..... 14

4.4 Implementation Schedule..... 15

4.5 Reporting..... 15

5.0 CLOSURE STRATEGY AND CONTINUING OBLIGATIONS..... 17

TABLES

1 Remedial Characterization Soil Sample Analytical Results

2 Post-Excavation Soil Sample Analytical Results

3 Remediation Performance Monitoring Program

FIGURES

1 Site Plan

2 Geologic Cross Section Transect Map A-A’ and B-B’

3 Geologic Cross-Section A-A’

4 Geologic Cross-Section B-B’

5 Groundwater Elevation Contour Map – June 11, 2015

- 6 PCE in Soil Isoconcentration Map
- 7 PCE in Groundwater Isoconcentration Map
- 8 Remedial Characterization Sample Locations and Results
- 9 Excavation Area with Sidewall and Floor Sample Results
- 10 Proposed Injection Point Layout
- 11 Monitoring Well Location Map

APPENDICES

- A Soil Boring Logs
- B Laboratory Reports
- C Waste Disposal Documentation
- D Excavation Photographs
- E Soil Vapor Extraction Pilot Study Report
- F ERD Application Design Summary

CERTIFICATIONS

I, Andrew Horwath, hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Director of Engineering and Remediation Services

P.E. stamp

I, Wayne Fassbender, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.



Senior Project Manager

6/22/2018

Date

Document Reference:

Remediation Progress Report and Groundwater Treatment Plan
One Hour Martinizing
285 East Hampton Avenue
Milwaukee, Wisconsin
BRRTS# 02-41-543260

1.0 BACKGROUND

EnviroForensics, LLC (EnviroForensics) has prepared this *Remediation Progress Report and Groundwater Treatment Plan* on behalf of OHM Holdings LLC for the One Hour Martinizing (OHM) facility located at 285 East Hampton Avenue in Milwaukee, Wisconsin (Site). The Site was operated as a gasoline service station from 1953 to 1979, and an active dry cleaning facility from 1980 until 2007, when active dry cleaning was discontinued. Several underground storage tanks were removed in the early 1990s, and a remediation system for petroleum contamination operated for several years. Since 2007, the 2,500 square foot, concrete slab-on-grade commercial building has been utilized as a drop off and pick-up location for clothes dry cleaned elsewhere. The layout of the Site, including Site features, and the surrounding area, is depicted on **Figure 1**.

The primary contaminants of concern at the Site are chlorinated volatile organic compounds (CVOCs) including tetrachloroethene (PCE) and intermediate products of the natural degradation: trichloroethene (TCE), dichloroethene (DCE), and vinyl chloride. Residual concentrations of petroleum volatile organic compounds (PVOCs) are also present at the Site. Remedial actions to address the PVOC impacts were previously performed and the leaking underground petroleum storage tank issue was closed by the Wisconsin Department of Natural Resources on March 1, 2017. The current plan is designed to remediate CVOC contamination.

1.1 Site Hydrogeology

The geological profile at the Site consists of a fine-grained silty sand to approximately 12 feet below ground surface (bgs). A denser silt and clay unit is present from 12 to approximately 34 feet bgs, the maximum depth investigated. A more heterogeneous geologic profile was observed in borings on the southern portion of the investigated area. Interbedded layers of clay, silt, sand, and gravel were observed from the surface to the depth of the silt/clay unit at 20 feet bgs. An approximately 2 to 4-foot thick layer of anthropogenic subgrade fill is present below the Site building and off-site paved areas to the south and west (refer to east-west, and north-south trending cross-sections, **Figures 2 through 4**).

The water table is generally encountered at approximately 10 feet bgs; however, the water table has been observed to fluctuate between a depth of 6 and 13 feet bgs. The direction of groundwater flow is consistently toward the north with a westerly component at the northern Site boundary (**Figure 5**). Additional details regarding Site hydrogeology were provided in the Site Investigation Report, dated June 2, 2015.

1.2 Nature and Extent of Contamination

Releases to the subsurface appear to be from two separate sources: beneath the site building likely due to undocumented minor spills to the floor around the former dry cleaning machine; and an outside area to the south of the site building near a storage shed where both waste products and virgin dry cleaning solvent were stored. The highest concentrations of CVOCs in soil were detected in the southwest corner of the Site near the storage shed (refer to **Figure 6** for distribution of soil impacts). The concentrations do not exceed either the residential or industrial direct contact exposure RCLs. However, these soil impacts appear to have generated the groundwater plume. The CVOC plume in groundwater extends from the soil source areas to the northwest in the direction of groundwater flow. The distribution and concentration of groundwater impacts generally mimics the distribution and concentrations detected in soil (refer to **Figure 7** for the extent and magnitude of groundwater impacts).

CVOC impacts in both soil and groundwater have migrated to the adjacent properties to the south and west, and to City of Milwaukee right-of-way areas to the north. There appears to be a distinct divide from north to south across the Site where CVOC impacts are limited to the western half of the property and PVOC impacts are limited to the eastern half of the property.

CVOC impacts in soil and groundwater are entering the vapor phase. Based on the results of vapor intrusion assessments conducted at the Site building and commercial buildings to the south and west, only the Site building is at risk for vapor intrusion. However, a sub-slab depressurization system was installed at the commercial building to the south (Shovers Realty) as a preventative measure per request of the property owner. A utility corridor investigation showed no impact along the utility lines on-Site.

2.0 IDENTIFICATION AND EVALUATION OF REMEDIAL ACTION OPTIONS

This section focuses on the evaluation of remedial action options for control, removal, containment, and/or treatment of impacted media at the Site. The initial identification and screening of remedial action options is based on information generated during site investigation activities, including the nature and extent of contamination and the hydrogeological conditions at the Site and surrounding areas. Remediation of contaminants in groundwater and soil gas to levels that no longer migrate or pose a risk of vapor intrusion to nearby occupied structures drives the remedial options evaluation.

2.1 Remedial Action Options Screening

Potential active remedial actions were screened to identify whether they would be: 1) protective of human health and the environment; and 2) are appropriate for the Site, considering applicability for Site conditions, reasonably anticipated future land uses, and other factors which would pre-emptively preclude the action from further evaluation, as well as relevance to site-specific exposure pathways.

Natural attenuation of groundwater impacts is considered a passive remedial action and will be evaluated for long-term effectiveness following active remedial actions if concentrations in groundwater remain above regulatory limits.

In addition, institutional and engineering controls will be required as part of any active remedial actions since the Site is occupied by an operating business for the foreseeable future and the Site building both provides an obstruction to active remediation beneath it and provides a cap or cover to prevent infiltration of rain water prohibiting the further migration of soil impacts to groundwater.

The following active remedial technologies did not pass the initial screening and were removed from further evaluation:

- Thermal desorption – not feasible due to site constraints and high cost,
- Soil mixing – insufficient access for mixing equipment,
- Dual-phase extraction – the equipment remaining from petroleum remediation at the Site is deteriorated and unusable, and subsurface piping was abandoned,
- Groundwater extraction – unsustainable and unacceptable restoration timeframe, and

- Permeable reactive barrier – not appropriate due to relatively compact and defined groundwater plume.

The following methods were considered plausible for active remediation at the Site and selected for further evaluation:

- Excavation and off-Site disposal,
- Soil Vapor Extraction (SVE),
- Injection: In-situ chemical oxidation (ISCO),
- Injection: In-situ chemical reduction (ISCR),
- Injection: Enhanced reductive dechlorination (ERD), and
- Injection: Colloidal activated carbon.

2.2 Remedial Action Options Evaluation

Each plausible remedial action, and combination of actions, was evaluated for the following performance metrics:

- Technical Feasibility
 - Short-Term Effectiveness,
 - Long-Term Effectiveness,
 - Ability to Implement, and
 - Restoration Time Frame.
- Economic Feasibility
 - Capital Costs,
 - Initial Cost,
 - Annual Operation and Maintenance, and
 - Future Liability.

Additionally, the need for continuing obligations after completion of a remedial action, such as maintenance of an engineering control, was considered.

2.2.1 *Technical Feasibility*

The feasibility of a technology to remediate impacted areas at any specific site is evaluated with regard to the following specific considerations:

- Proven technology: when a *technology* is fully developed and historical success case histories are available;
- Emerging technology: when a technology is not fully developed and may not be reliable;
- Inappropriate technology: when Site conditions are not technically suitable for the application of the technology; and
- Potential additional liability: whether the treatment technology may add additional liability.

Effectiveness

The key aspect of the technical feasibility evaluation is the effectiveness of each remedial action in protecting human health and the environment. Each potential remedial action is evaluated as to its effectiveness in providing protection and the reductions in toxicity, mobility, or volume of contamination that it would achieve. Both short- and long-term components of effectiveness are evaluated; short-term referring to the construction and implementation period until case closure, and long-term referring to the period after remediation is complete. Reduction of toxicity, mobility, or volume refers to changes in one or more characteristics of the contaminated media by the use of treatment that decreases the inherent risks. Any remedial action option under consideration should minimize adverse impacts to Site workers, visitors, the surrounding population, and the environment. Community impact is also important and the technology is considered a disadvantage if the application of the technology could be perceived as negatively impacting the local community or environment.

Ability to Implement

The ability to implement is a measure of both the technical and administrative feasibility of constructing, operating, and maintaining a remedial action option, and is used to evaluate combinations of remedial actions with respect to conditions at a specific site. The determination that an option is not readily implementable would usually preclude it from further consideration unless steps can be taken to change the conditions responsible for the determination.

The technical aspects related to the ability to implement refers to the ability to construct, reliably operate, and meet technology-specific regulations for remedial actions until remediation is complete; it also includes operation, maintenance, replacement, and monitoring of technical components of an action, if required, into the future after the remedial action is complete. Administrative feasibility considers the ability to obtain approvals and permitting from other offices and agencies, the availability of treatment, storage, and disposal services and capacity, and the requirements for, and availability of, specific equipment and technical specialists.

Restoration Time Frame

The estimated time for completion of a remedial action and restoration of the environment is based on the information available from vendor(s) with experience in remediating similar sites, and EnviroForensics' past experience using technologies in similar settings. Contaminant degradation rates, both naturally and under treatment conditions, are assumed based on experience to estimate the duration of remedial actions. If necessary, the time frame for continuing obligations is also considered.

2.2.2 *Economic Feasibility*

The cost to implement various options is not an exact cost, but represents a combination of typical contractor costs and consultant efforts coupled with the estimated time to achieve remedial endpoints. This is inherent because uncertainties associated with the definition of options often remain, and it may not be possible or practical to collect all of the data needed to refine costs better than a reliability level of +50% to -30%.

The focus is on comparative estimates of costs between options so that if costs go up or down during the remedial process, that they remain relative. The following cost factors are considered during the evaluation of options:

- Initial costs: those costs incurred for design and testing of the remedial action;
- Capital costs: the cost to construct, install, or otherwise implement the remedial action;
- Operation and maintenance (O&M) costs: the costs to operate and maintain the remedial system or technology. The evaluation includes those O&M costs that would be incurred for as long as necessary, even after the initial remedial action is complete; and
- Future liability: includes potential additional remedial action costs and costs for property re-development are considered during evaluation to the extent they can be estimated.

2.2.3 Continuing Obligations

The involvement of continuing obligations in the closure strategy is considered in the evaluation process. Post-closure obligations may include activities such as annual cover inspections and operation, maintenance, and inspections of vapor mitigation systems. These activities may be required for an indefinite period of time following case closure. A remedial action is considered more advantageous if the resulting need for continuing obligations is limited or eliminated.

2.3 Remedial Action Options Selected

The plausible remedial options identified in Section 2.1 were evaluated according to the technical and economic feasibility criteria described above. Based on the outcome of that evaluation, the following remedial actions were selected for testing and/or implementation:

- Excavation and off-Site disposal – provides rapid removal of contaminant mass from accessible areas;
- Soil vapor extraction (SVE) - addresses soil gas impacts under the Site building, eliminating the potential need for a vapor mitigation system; and
- Injection: Enhanced reductive dechlorination (ERD).

For groundwater treatment, ERD is preferred over the injection of ISCO, ISCR, and colloidal activated carbon products for the following reasons:

- There is evidence that where petroleum-related compounds are present in groundwater, the reductive de-chlorination of CVOCs is already occurring through the process of microbial co-metabolism;
- The observed geochemistry is already somewhat conducive to reductive processes (e.g., low dissolved oxygen and negative ORP);
- ERD will enhance the reductive processes already occurring to reduce the time needed for complete reduction of the chlorinated contaminants to harmless compounds;
- The potential for concentration rebound and subsequent need for re-treatment is lower;
- Product cost is lower; and
- The products are safer to store, handle, and apply.

2.4 Soil Vapor Extraction Pilot Study

An SVE Pilot Study was performed during 2016 to confirm the feasibility of SVE implementation at the Site, determine the effective area of vacuum influence, and determine sustained concentrations of chlorinated compounds in the exhaust. The pilot study report is presented in **Appendix E**. Vacuum could not be applied to the subsurface in the extraction well specifically installed for SVE testing due to significant groundwater upwelling. Therefore, the SVE equipment was instead connected to an existing monitoring well (MW-8) for extraction. The number of existing monitoring points near MW-8 was limited, which precluded an estimation of the radius of influence (ROI).

The pilot study data demonstrated non-uniform vacuum propagation due to variations in lithology and/or subsurface features, including horizontal piping installed by others for remediation of the petroleum impacts. This, along with problems caused by groundwater upwelling, indicate that vertically applied SVE is not practical.

The pilot study report indicates that SVE applied via shallow horizontal wells could be a feasible remedial option. However, upon further evaluation it was determined that the installation of horizontal wells under the building would be cost prohibitive and problematic for the following reasons:

- Intrusive work with boring and excavation equipment would be required on adjacent properties due to the small size of the Site;
- The high density of buried utilities on-site and in the right-of-way presents concerns; and
- Limited working space between the building foundation and water table could make it difficult to avoid the same groundwater upwelling issue experienced with the vertical test well.

Therefore, SVE was eliminated from consideration as a remedial option for the Site. It is therefore recommended that an SSDS be constructed in the Site building to eliminate the risk of vapor intrusion from shallow inaccessible contaminated soil located beneath the building slab.

3.0 CONTAMINATED SOIL REMOVAL

As described in the previous section, excavation and off-Site disposal was selected for removing as much contaminated source area soil as practical. An excavation was performed in 2016 to remove source area soil containing elevated concentrations of CVOCs in an area south of the Site building and adjacent off-site property to the south. The excavation was not designed to remove all contaminated soil. Rather, the excavation targeted the most contaminated areas identified during the site investigation. Additionally, the horizontal extent of the excavation was limited due to the logistical constraints involving building foundations, a storage shed, and overhead utilities. Prior to excavating, soil samples were collected to better define the limits of excavating as described in Section 3.1 below.

3.1 Remedial Characterization Sampling

On October 12, 2016, EnviroForensics personnel mobilized to the Site and directed nine (9) direct-push borings (EB-1 through EB-9) to facilitate soil sample collection. The borings were located on the Shovers Realty property just south of the Site boundary (see **Figure 8**). The purpose of the sampling event was to define the magnitude of impacts between previous site investigation borings SB-13 and SB-29, define an excavation area, and determine waste management options and requirements. EnviroForensics personnel observed all field activities, prepared boring logs and other field documentation, and containerized all samples for analysis. Field screening of soil for organic vapors was performed using a photo-ionization detector (PID). Screening was conducted at approximately two-foot depth intervals. Soil boring logs are presented in **Appendix A**.

Sample intervals in each boring were selected based on PID readings and physical observations. A total of 15 soil samples were collected and analyzed for volatile organic compounds (VOCs) according to SW-846 Test Method 8260. A sample from each interval was also collected for Toxicity Characteristic Leaching Procedure (TCLP) analysis and put on hold pending the 8260 analysis results. The criteria for performing TCLP analysis on a given sample was a PCE concentration of 14,000 micrograms per kilogram ($\mu\text{g}/\text{kg}$) or higher in an associated 8260 sample (i.e., the commonly accepted limit of 20 times higher than the characteristically hazardous threshold of 700 $\mu\text{g}/\text{L}$). All results were less than 14,000 $\mu\text{g}/\text{kg}$ and no TCLP analyses were performed. The laboratory report associated with the waste characterization samples is included in **Appendix B**.

The results of the source area characterization samples are summarized on **Table 1** and **Figure 8**. The sample results indicated that:

- A practical and cost-effective excavation extent could be defined; and
- All soil removed from the defined excavation area could be managed as non-hazardous special waste.

The extent of the excavation determined by evaluation of the characterization sample results is depicted on **Figure 8**.

3.2 Excavation Activities

Soil excavation activities were conducted on November 8, 2016 by Underground Power Corporation under the direction of EnviroForensics. Soil was removed using an excavator and loaded directly into dump trucks. The final excavation dimensions are depicted on **Figure 9**. The depth of the excavation was approximately 10 feet bgs and extended vertically into the capillary fringe of groundwater saturation. Excavation could not extend further north (i.e., closer to the building) because of an overhead electrical wire.

A total of 409.64 tons of soil were excavated, loaded and transported for disposal at Orchard Ridge Landfill in Menomonee Falls, Wisconsin. **Appendix C** contains the waste manifests and certificates of disposal. The excavation was backfilled with recycled concrete, and the asphalt was replaced. Photographs of the excavation are presented in **Appendix D**.

Monitoring wells MW-7, MW-8, and PZ-2 were destroyed as a result of excavation. In addition, several underground conveyance pipes associated with the former dual-phase extraction system for PVOC remediation were encountered, cut off, and removed.

3.3 Post-Excavation Soil Sampling

Soil samples were collected from the excavation floor and sidewalls to document residual VOC concentrations. Five (5) floor samples and 11 sidewall samples were collected. Soil samples were immediately placed in a cooler on ice under chain of custody control and submitted to Synergy Environmental Lab for analysis of VOCs by EPA Method 8260.

The soil sampling results are summarized and compared to Residual Contaminant Levels (RCLs) on **Table 2**. The soil sample locations, depths, and residual contaminant concentrations are

depicted on **Figure 9**. The laboratory analytical report is provided in **Appendix B**. The contaminant concentrations detected in the sidewall samples did not correspond to the concentrations detected in the characterization samples likely due to the heterogeneous nature of the clay and silt soil in this area and associated uneven distribution of impacts that is possible in these soil types. Shallow samples generally contained more PCE than deeper samples. Wall sample WS-10 at 3 feet bgs contained PCE at a concentration of 45,000 $\mu\text{g}/\text{kg}$ which is above the non-industrial direct-contact RCL. The CVOC concentrations in all other sidewall samples were below direct-contact RCLs. Likewise, all CVOC concentrations in the floor samples were below direct-contact RCLs. The floor samples were collected at the depth of the water table and likely represent saturated soil.

Despite the residual concentrations indicated by post-excavation sampling, the data suggest that the majority of contaminant mass in unsaturated soil was removed by the excavation. Particularly, soil at locations SB-13 and SB-14, both of which exhibited PCE concentrations above 20,000 $\mu\text{g}/\text{kg}$, were within the excavation boundary.

The PCE mass removed was estimated by dividing the excavation into seven (7) separate areas and five (5) two-foot depth intervals (between 0 and 10 feet bgs) to create 35 separate “volumes.” An average PCE concentration was assigned to each volume using investigation, characterization, and post-excavation soil sample analytical results. The soil mass of each area ranged from 34,000 to 80,000 kg, and the average concentration assigned to each volume ranged from 520 to 45,000 $\mu\text{g}/\text{kg}$. Using this approach, EnviroForensics estimates that approximately 2.54 kg (5.60 pounds) of PCE mass was removed during excavation of the source area.

4.0 GROUNDWATER TREATMENT PLAN

The remedial technology selected for groundwater treatment is ERD applied by injection. The target compounds for treatment are PCE and degradation products TCE and vinyl chloride. Each of these compounds is present in one (1) or more monitoring wells at concentrations above their respective enforcement standards, including PCE at concentrations up to 950 micrograms per liter ($\mu\text{g/L}$) as can be seen on **Figure 7**. The ERD product and engineered application aspects are described in more detail in Section 4.2 below. In general, the ERD application is designed to enhance the natural attenuation capability of the subsurface environment by producing greater subsurface reducing conditions conducive to microbial growth, supplement a food source for microbial respiration, and supply microbial populations specific to the complete degradation of CVOCs.

As enumerated in NR 722.09(2)(b)1, the overall remedial goal for groundwater should be to reduce the CVOC mass in groundwater to concentrations that are below the groundwater Preventative Action Limit (PAL) for these chlorinated compounds. Groundwater monitoring will be performed to determine if this goal is technically and economically achievable. If over the monitoring timeframe it is determined that this goal is not practicably attainable, then a combination of engineering and institutional controls will be utilized to achieve site closure while ensuring the adequate protection of public health, safety, and welfare, and the environment.

4.1 Permits and Approvals

An Injection Request and associated documents (prepared according to PUB RR-935), including a Wisconsin Pollutant Discharge Elimination System (WPDES) permit application, are required for WDNR approval prior to implementation of injection activities. EnviroForensics will prepare these documents upon approval of the remedial action plan. Access to 265 E. Hampton Ave (currently Confluence Graphics) and City of Milwaukee right-of-way will also be needed.

4.2 ERD Application

Investigation data indicates that native lithology has limited the vertical migration of contaminants to approximately 20 feet bgs. The target treatment interval is 10 feet bgs (the groundwater table) to 20 feet bgs. The proposed ERD solution to be injected is a combination of the following products manufactured by Regenesi[®]:

- 3-D Microemulsion® (electron donor emulsion);
- Chemical Reducing Solution® (CRS), an iron-based reagent to enhance subsurface reducing conditions; and
- Bio-Dechlor Inoculum Plus® (BDI), a microbial consortium containing species of dehalococoides.

All products are non-hazardous and safe to handle in level D personal protective equipment.

EnviroForensics and Regenesys® developed an injection design based on dissolved CVOC concentrations and the hydrogeological properties of the aquifer. Two (2) separate target remediation areas have been designated based on the distribution of groundwater impacts defined during the site investigation. As shown in **Figure 10** (attached), area A is located in the northern part of the Site, extending onto the adjacent property to the west and the City of Milwaukee right-of-way. Area B is located along the southern Site boundary around a hot-spot identified at monitoring well MW-8. The injection design is summarized below.

Area A

- Advance 16 direct-push injection points at the locations shown on **Figure 10**.
- Mix 15 gallons of 3-D Microemulsion and 6 gallons of CRS with water to produce 193 gallons of solution. Inject 193 gallons of solution into each of the 16 injection points.
- Mix 0.25 gallon BDI with water to produce 10 gallons of solution and inject the solution into each of the 16 injection points.

Area B

- Advance ten (10) direct-push injection points at the locations shown on **Figure 10**.
- Mix 15 gallons of 3-D Microemulsion and 5 gallons of CRS with water to produce 184 gallons of solution. Inject 184 gallons of solution into each of the ten (10) injection points.
- Mix 0.25 gallon BDI with water to produce 10 gallons of solution and inject the solution into each of the ten (10) injection points.

The products will be mixed with potable water to achieve the desired solution concentrations. The total of volume of solutions injected will be approximately 3,250 gallons, or 203 gallons per

point for Area A; and 1,940 gallons or 194 gallons per point for Area B. The application design summary is provided in **Appendix F**. The products will be stored in a secured container prior to mixing.

Mixing will be performed in large, trailer-mounted tanks with continuous agitation. The solution will then be pumped from the tanks, through a manifold and hose to the injection points. Injection points will be advanced using direct-push rods with a retractable screen tool specifically designed for fluid injection. Pressure and flow rate will be monitored and recorded to confirm that injection design parameters are met.

The direct-push tooling will be removed from each location after the prescribed volume of solution is injected, and the boreholes will be abandoned in accordance with NR 141.25 and patched to match the surrounding surface material.

4.3 Performance Monitoring

A remediation performance monitoring program will be implemented following the injection activities. The objectives of monitoring are to verify that aquifer conditions are conducive to reductive processes and to document decreasing CVOC concentration trends.

Groundwater elevation measurements will be collected to evaluate the temporary effect of injection on potentiometric surfaces and flow direction. Measurements will be collected from wells within and near the treatment area during injections, and from all Site monitoring wells during post-injection monitoring events. The depth to water in each well will be measured to the nearest 0.01 foot using an electronic water level indicator.

The monitoring well locations are depicted on **Figure 11**. Monitoring wells MW-7, MW-8 and PZ-2, which were destroyed during the excavation, will be replaced and designated MW-7R, MW-8R and PZ-2R, respectively. The replacement wells will be constructed in accordance with the requirements detailed in NR 141.

The proposed remediation performance monitoring program is detailed on **Table 3**. Monitoring wells within the treatment areas will be monitored periodically with decreasing frequency. Monitoring will be conducted for a minimum of two (2) years following injections. Third and fourth years of monitoring will be implemented if needed to demonstrate continuing reductions of groundwater contaminants due to continued activity of injected products, or continued reductions achieved via natural attenuation.

The monitoring program is summarized as follows:

- Periodic sample collection from MW-7R, MW-8R, MW-9, MW-13, W-13, and PZ-2R for analysis of VOCs;
- Periodic sample collection from MW-7R, MW-8R, MW-9, MW-13, and W-13 for analysis of total and dissolved iron, sulfate, nitrate, nitrite, dissolved gases, and dehalococoides population and species.

Groundwater samples will be collected via low-flow methods. Water quality data including electrical conductivity, temperature, dissolved oxygen, total dissolved solids, pH and oxidation-reduction potential (ORP) will be measured in the field with a portable meter.

Methane may be produced via the biodegradation of CVOCs. Methane concentrations will be measured in the headspace of shallow monitoring wells using a portable gas analyzer.

Investigation-derived media (IDM), including purge water and decontamination fluids, will be containerized in 55-gallon drums. A licensed contractor will be retained to remove drums following each monitoring event. The IDM will be managed under existing non-hazardous waste profiles.

4.4 Implementation Schedule

The Injection Request documents can be submitted within 30 days of written WDNR concurrence with the remedial action plan. EnviroForensics anticipates that the remedial injections can begin within 60 days of approval of the Injection Request. It is anticipated that the injection work will take approximately two (2) weeks to complete. The first monitoring event will be performed approximately two (2) months after injection activities are completed.

4.5 Reporting

In accordance with WAC Chapter NR 724.15, EnviroForensics will prepare documentation of remedial completion that presents the injection data as implemented in the field. Tables, maps, figures, and supporting data will also be included, as needed. Any deviation from design plans presented herein will be explained. The documentation will be submitted within 60 days of completing the injection activities.



Semi-annual remediation progress reports will be submitted to WDNR, as required, using the Remediation Site Operation, Maintenance, Monitoring & Optimization Report (WDNR Form 4400-194). The reports will include information on geochemistry and the operational configuration during the reporting period, figures, tables, and graphs showing rate of mass removal and cumulative mass removal.

5.0 CLOSURE STRATEGY AND CONTINUING OBLIGATIONS

The objective of the excavation was to remove contaminant mass in the vadose zone, thereby reducing contaminant partitioning to the vapor phase and mass loading to groundwater. The excavation likely removed the majority of contaminant mass in unsaturated soil. Residual impacts in unsaturated soil beneath the Site building are not accessible without severe disruption to the business and modifications to the building. Therefore, the building is considered a structural impediment, and no further excavation is proposed.

The continuing closure strategy for the Site consists of targeted groundwater treatment, followed by the implementation of institutional and engineering controls. The objective of groundwater treatment is to convert the majority of the dissolved CVOC mass to ethene and prevent potential downgradient expansion of the plume. Additional anticipated closure requirements consist of the following:

- Assignment of the building as a “structural impediment” which institutes a requirement to sample and possibly remediate soil under the building if it becomes accessible in the future;
- In the absence of SVE, installation of a sub-slab depressurization system (SSDS) in the Site building to mitigate a vapor intrusion risk resulting from inaccessible shallow soil impacts situated beneath the building slab;
- Use of the existing asphalt cap and building slab as an engineered barrier to prevent direct contact with shallow soil impacts and to prevent infiltration of rain water to reduce the potential for continued leaching of contaminants from shallow soil to groundwater; and
- The use of institutional controls as needed to notify existing property owners of any groundwater use restrictions and continued obligations.

The Site will be placed on the GIS Registry due to residual soil contamination and the WDNR will identify inspection and maintenance of the engineering controls as post-closure continuing obligations. Notification of impacts to off-Site property owners is also anticipated.

The estimated duration of the selected remedial action is 3 to 4 years, including performance monitoring and reporting. The time frame for case closure will depend on regulatory concurrence with achieving remedial objectives and any requirements for additional monitoring.

TABLES

TABLE 1
Remedial Characterization Soil Sample Analytical Results

One Hour Martinizing
 285 East Hampton Avenue
 Milwaukee, Wisconsin

Boring Identification	Depth (feet)	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
Industrial RCL			145,000	8,410	2,340,000	1,850,000	2,080
Non-Industrial RCL			33,000	1,300	156,000	1,560,000	67.1
EB-1	1-3	10/12/2016	83 J	<42	<21	<24	<10
	7-8	10/12/2016	111 J	<42	<21	<24	<10
EB-2	5-6	10/12/2016	282	<42	<21	<24	<10
EB-3	5-6	10/12/2016	238	<42	<21	<24	<10
	6-8	10/12/2016	660	<42	<21	<24	<10
EB-4	2-4	10/12/2016	64 J	<42	<21	<24	<10
	6-8	10/12/2016	66 J	<42	<21	<24	<10
EB-5	6-8	10/12/2016	960	<42	<21	<24	<10
EB-6	6-8	10/12/2016	3,500	<42	<21	<24	<10
EB-7	1-3	10/12/2016	770	130 J	<21	<24	<10
	5.5-7.5	10/12/2016	<54	<42	<21	<24	<10
EB-8	1-3	10/12/2016	620	<42	<21	<24	<10
	5-7	10/12/2016	560	<42	<21	<24	<10
EB-9	2-3	10/12/2016	640	<42	<21	<24	<10
	5-7	10/12/2016	1,410	<42	<21	<24	<10

Notes:

Residual Contaminant Levels (RCLs) calculated in accordance with WDNR Publication RR-890

Boring locations are depicted on Figure 2

Results reported in micrograms per kilogram (µg/kg)

Bolded values are reported above the laboratory detection limit.

J = Estimated concentration between the method detection limit and reporting limit

TABLE 2
Post-Excavation Soil Sample Analytical Results

One Hour Martinizing
 285 East Hampton Avenue
 Milwaukee, Wisconsin

Sample Identification	Depth (feet)	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
Industrial RCL			145,000	8,410	2,340,000	1,850,000	2,080
Non-Industrial RCL			33,000	1,300	156,000	1,560,000	67.1
WS-1	3	11/8/2016	18,500	<42	<21	<24	<10
	7	11/8/2016	1,990	<42	<21	<24	<10
WS-2	3	11/8/2016	720	71 J	<21	<24	<10
	7	11/8/2016	470	<42	<21	<24	<10
WS-3	3	11/8/2016	1,060	<42	<21	<24	<10
	7	11/8/2016	440	<42	<21	<24	<10
WS-4	3	11/8/2016	3,160	<42	<21	<24	<10
	7	11/8/2016	1,290	<42	<21	<24	<10
WS-5	3	11/8/2016	9,800	<42	<21	<24	<10
	7	11/8/2016	1,230	<42	<21	<24	<10
WS-6	3	11/8/2016	1,900	<42	<21	<24	<10
	7	11/8/2016	1,290	<42	<21	<24	<10
WS-7	3	11/8/2016	141 J	<42	<21	<24	<10
	7	11/8/2016	3,130	<42	<21	<24	<10
WS-8	3	11/8/2016	520	<42	<21	<24	<10
	7	11/8/2016	970	<42	<21	<24	<10
WS-9	3	11/8/2016	1,920	53 J	<21	<24	<10
	7	11/8/2016	208	<42	<21	<24	<10
WS-10	3	11/8/2016	45,000	1,020	<105	<120	<50
	7	11/8/2016	1,080	<42	<21	<24	<10
WS-11	3	11/8/2016	620	<42	<21	<24	<10
	7	11/8/2016	1,190	<42	<21	<24	<10
FS-1	10	11/8/2016	3,200	<42	<21	<24	<10
FS-2	10	11/8/2016	4,800	<42	<21	<24	<10
FS-3	10	11/8/2016	5,200	<42	<21	<24	<10
FS-4	10	11/8/2016	<54	<42	<21	<24	<10
FS-5	10	11/8/2016	289	<42	<21	<24	<10

Notes:

Residual Contaminant Levels (RCLs) calculated in accordance with WDNR Publication RR-890

Results reported in micrograms per kilogram (µg/kg)

Sample locations are depicted on Figure 3

Bolded values are reported above the laboratory detection limit.

Bolded and green shaded values exceed the WDNR Non-Industrial RCL

J = Estimated concentration between the method detection limit and reporting limit

WS denotes excavation sidewall sample

FS denotes excavation floor sample

TABLE 3
REMEDIATION PERFORMANCE MONITORING PROGRAM
 One Hour Martinizing
 Milwaukee, Wisconsin

YEAR 1								
Parameter	VOCs	Total Fe	Dissolved Fe	Sulfate	Nitrate	Nitrite	Ethene/Ethane/Methane	DHC Population/Species
<i>Test Method</i>	8260	6010	6010	300.0 IC	300.0 IC	300.0 IC	8015	<i>CENSUS (Microbial Insights)</i>
MW-7R	Q	Q	Q	Q	Q	Q	Q	S
MW-8R	Q	Q	Q	Q	Q	Q	Q	S
MW-9	Q	Q	Q	Q	Q	Q	Q	S
MW-13	Q	Q	Q	Q	Q	Q	Q	S
W-13	Q	Q	Q	Q	Q	Q	Q	S
PZ-2R	Q							

YEAR 2								
Parameter	VOCs	Total Fe	Dissolved Fe	Sulfate	Nitrate	Nitrite	Ethene/Ethane/Methane	DHC Population/Species
<i>Test Method</i>	8260	6010	6010	300.0 IC	300.0 IC	300.0 IC	8015	<i>CENSUS (Microbial Insights)</i>
MW-7R	Q	S	S	S	S	S	S	A
MW-8R	Q	S	S	S	S	S	S	A
MW-9	Q	S	S	S	S	S	S	A
MW-13	Q	S	S	S	S	S	S	A
W-13	Q	S	S	S	S	S	S	A
PZ-2R	Q							

Notes:

Third and fourth years of monitoring will be implemented if needed to demonstrate continuing reductions of groundwater contaminants due to continued activity of injected products, or continued reductions achieved via natural attenuation.

The first monitoring event will be performed approximately 2 months after injections

Q = Sample collected for analysis quarterly

S = Sample collected for analysis semi-annually

A = Sample collected for analysis annually

DHC = Dehalococcoides

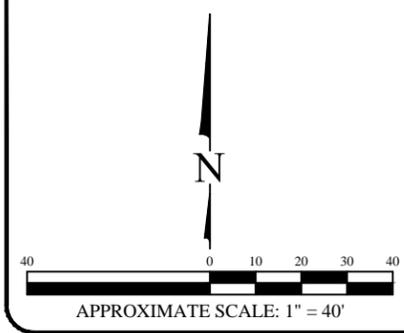
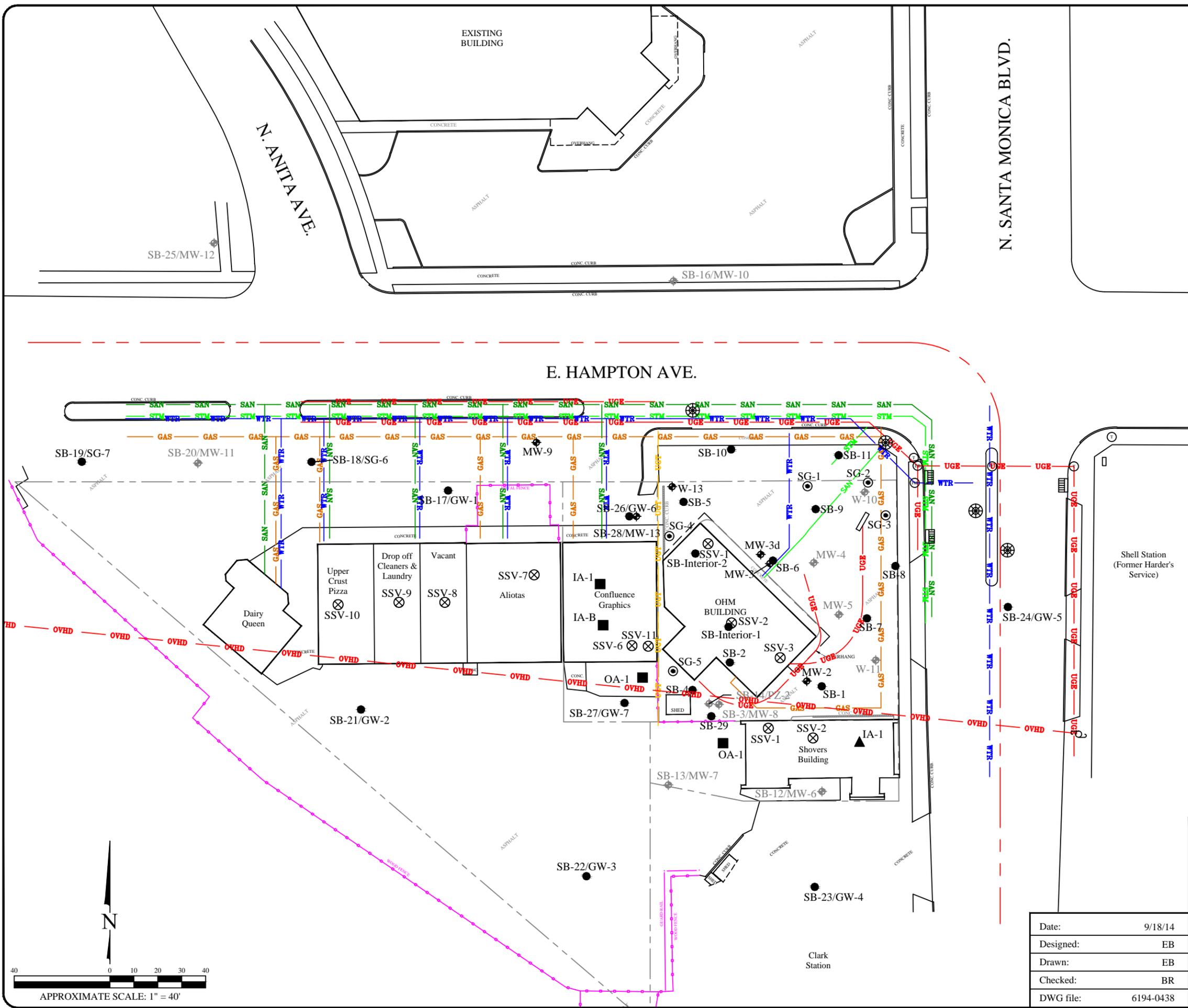
Fe = Iron

VOCs = Volatile Organic Compounds

FIGURES

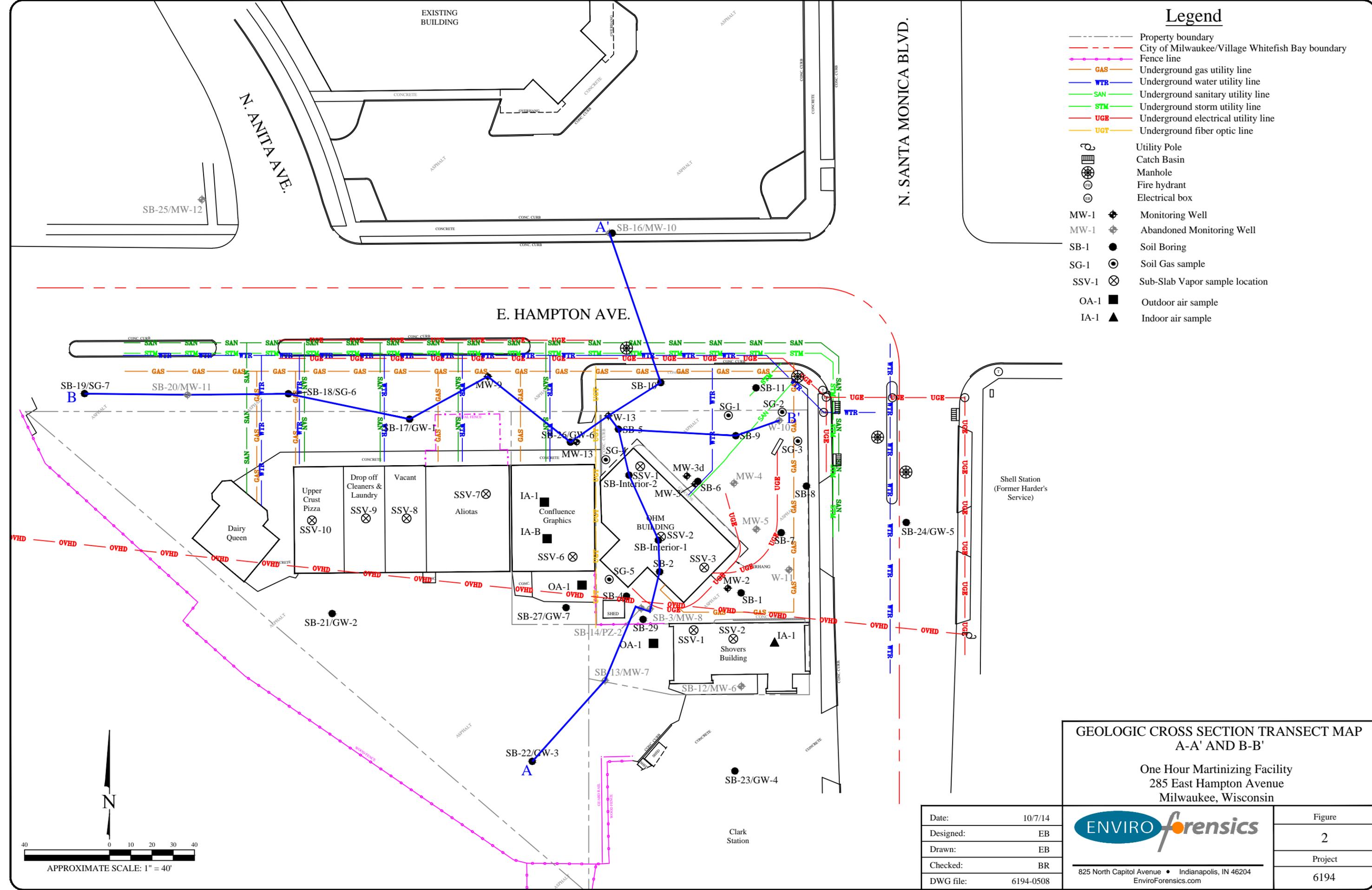
Legend

- Property boundary
- - - - - City of Milwaukee/Village Whitefish Bay boundary
- - - - - Fence line
- GAS Underground gas utility line
- WTR Underground water utility line
- SAN Underground sanitary utility line
- STM Underground storm utility line
- UGE Underground electrical utility line
- UGT Underground fiber optic line
-  Utility Pole
-  Catch Basin
-  Manhole
-  Fire hydrant
-  Electrical box
- MW-1  Monitoring Well
- MW-4  Abandoned Monitoring Wells
- SB-1  Soil Boring
- SG-1  Soil Gas sample
- SSV-1  Sub-Slab Vapor sample location
- OA-1  Outdoor air sample
- IA-1  Indoor air sample



SITE PLAN	
One Hour Martinizing Facility 285 East Hampton Avenue Milwaukee, Wisconsin	
	Figure 1
825 North Capitol Avenue • Indianapolis, IN 46204 EnviroForensics.com	Project 6194

Date:	9/18/14
Designed:	EB
Drawn:	EB
Checked:	BR
DWG file:	6194-0438



Legend

- Property boundary
- - - City of Milwaukee/Village Whitefish Bay boundary
- Fence line
- GAS --- Underground gas utility line
- WTR --- Underground water utility line
- SAN --- Underground sanitary utility line
- STM --- Underground storm utility line
- UGE --- Underground electrical utility line
- UGT --- Underground fiber optic line
- Utility Pole
- Catch Basin
- Manhole
- Fire hydrant
- Electrical box
- MW-1 Monitoring Well
- MW-1 Abandoned Monitoring Well
- SB-1 Soil Boring
- SG-1 Soil Gas sample
- SSV-1 Sub-Slab Vapor sample location
- OA-1 Outdoor air sample
- IA-1 Indoor air sample

GEOLOGIC CROSS SECTION TRANSECT MAP A-A' AND B-B'

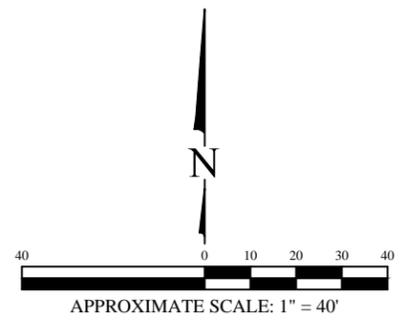
One Hour Martinizing Facility
285 East Hampton Avenue
Milwaukee, Wisconsin

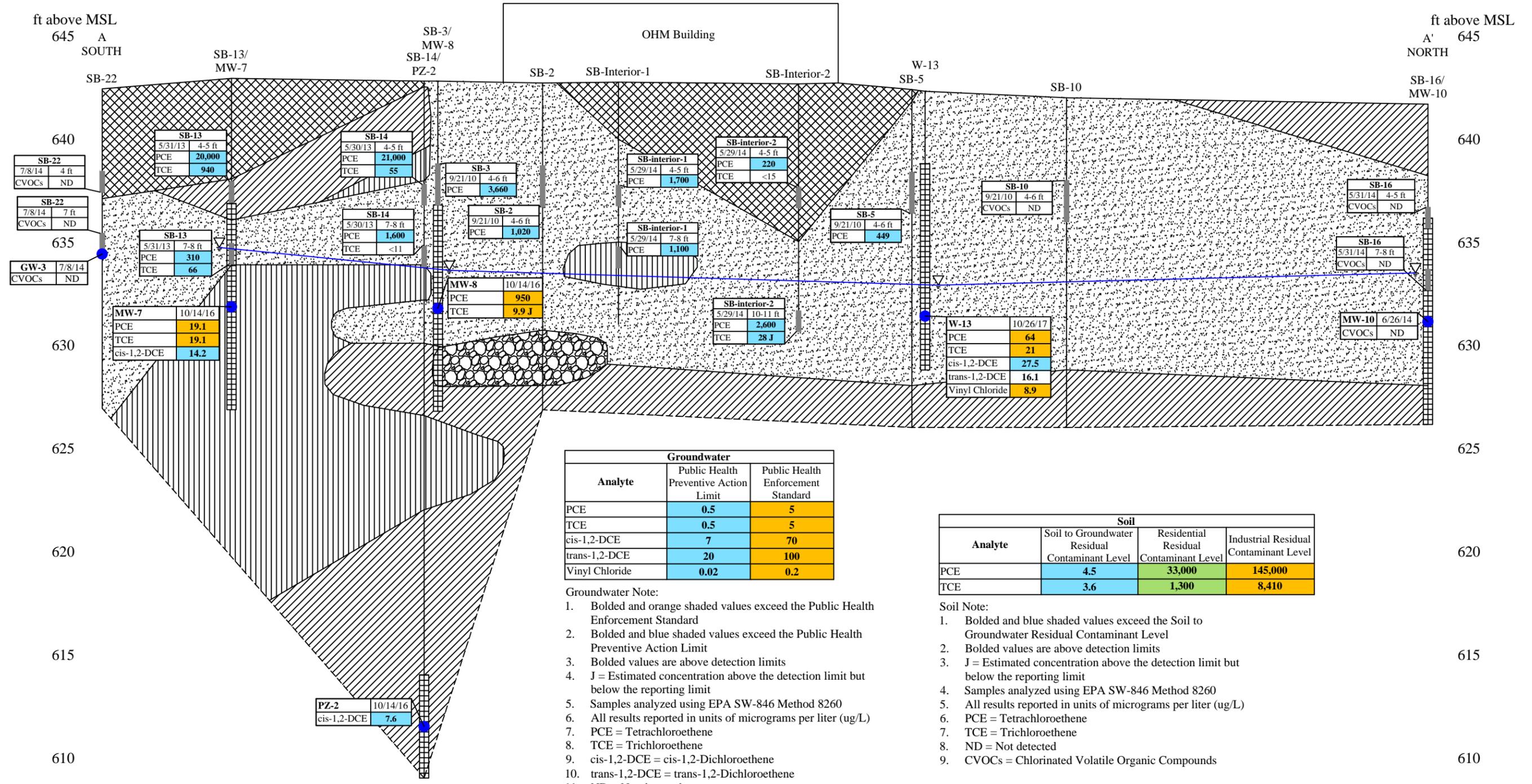
Date:	10/7/14
Designed:	EB
Drawn:	EB
Checked:	BR
DWG file:	6194-0508



825 North Capitol Avenue • Indianapolis, IN 46204
EnviroForensics.com

Figure	2
Project	6194





Groundwater		
Analyte	Public Health Preventive Action Limit	Public Health Enforcement Standard
PCE	0.5	5
TCE	0.5	5
cis-1,2-DCE	7	70
trans-1,2-DCE	20	100
Vinyl Chloride	0.02	0.2

- Groundwater Note:
- Bolded and orange shaded values exceed the Public Health Enforcement Standard
 - Bolded and blue shaded values exceed the Public Health Preventive Action Limit
 - Bolded values are above detection limits
 - J = Estimated concentration above the detection limit but below the reporting limit
 - Samples analyzed using EPA SW-846 Method 8260
 - All results reported in units of micrograms per liter (ug/L)
 - PCE = Tetrachloroethene
 - TCE = Trichloroethene
 - cis-1,2-DCE = cis-1,2-Dichloroethene
 - trans-1,2-DCE = trans-1,2-Dichloroethene
 - ND = Not detected
 - CVOCs = Chlorinated Volatile Organic Compounds
 - Detected compounds shown are from the most recent results from each location

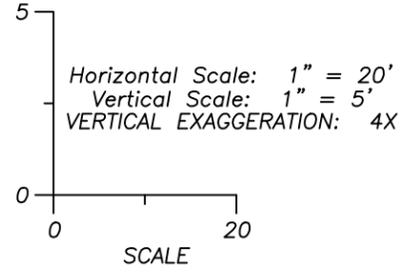
Soil			
Analyte	Soil to Groundwater Residual Contaminant Level	Residential Residual Contaminant Level	Industrial Residual Contaminant Level
PCE	4.5	33,000	145,000
TCE	3.6	1,300	8,410

- Soil Note:
- Bolded and blue shaded values exceed the Soil to Groundwater Residual Contaminant Level
 - Bolded values are above detection limits
 - J = Estimated concentration above the detection limit but below the reporting limit
 - Samples analyzed using EPA SW-846 Method 8260
 - All results reported in units of micrograms per liter (ug/L)
 - PCE = Tetrachloroethene
 - TCE = Trichloroethene
 - ND = Not detected
 - CVOCs = Chlorinated Volatile Organic Compounds

Legend

	Fill
	Sand
	Clay
	Silt
	Gravel

- Observed groundwater elevation on June 26, 2014
- Monitoring well screen
- Dashed boundaries are inferred
- ft above MSL = Feet above Mean Sea Level
- Soil sample depth interval
- Groundwater sample depth interval

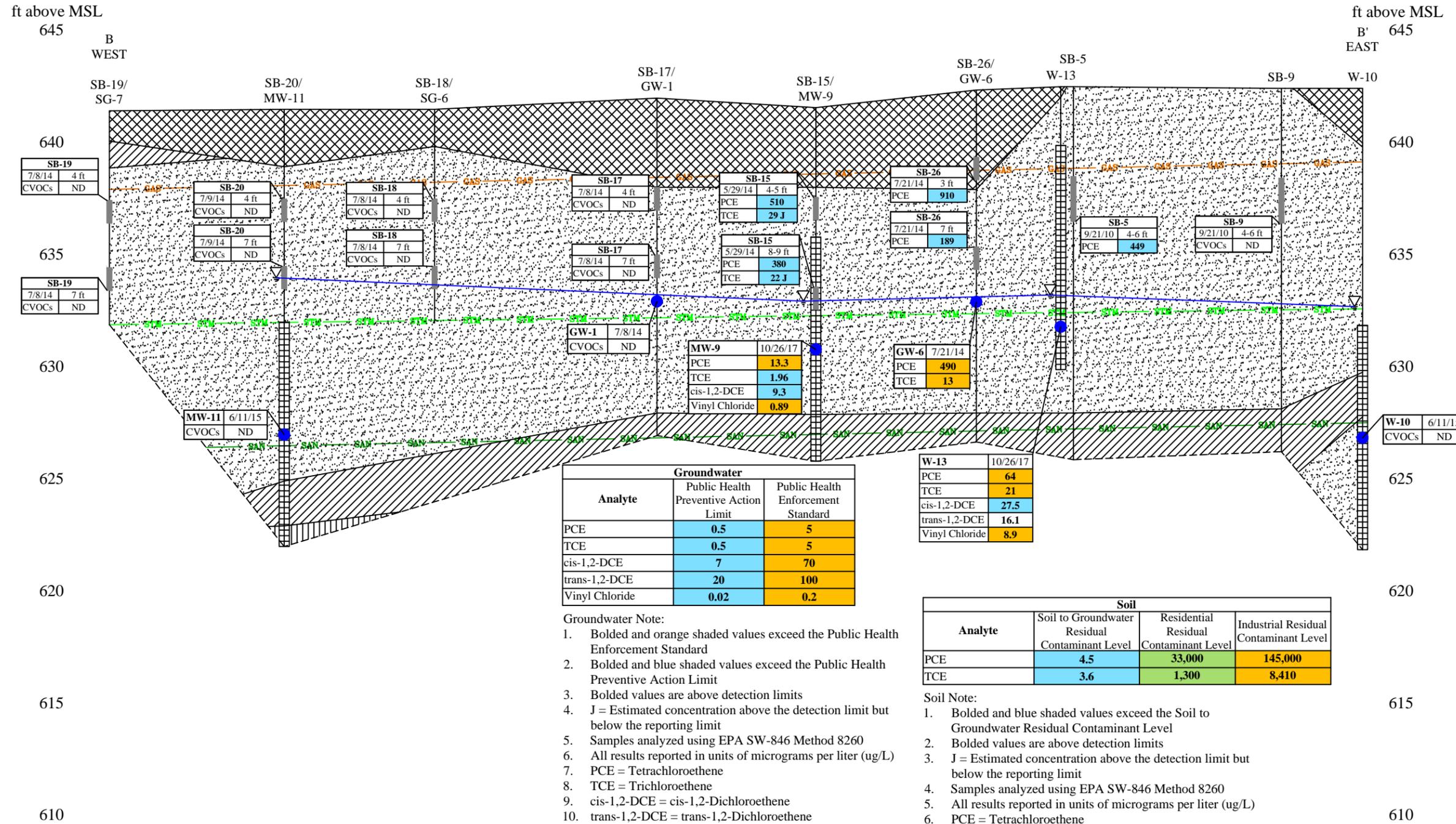


GEOLOGIC CROSS SECTION A-A'

One Hour Martinizing Facility
 285 East Hampton Avenue
 Milwaukee, Wisconsin

Date: 10/7/14		Figure
Designed: EB		3
Drawn: EB		Project
Checked: BR		6194
DWG file: 6194-0508		

825 North Capitol Avenue • Indianapolis, IN 46204
 EnviroForensics.com



Groundwater		
Analyte	Public Health Preventive Action Limit	Public Health Enforcement Standard
PCE	0.5	5
TCE	0.5	5
cis-1,2-DCE	7	70
trans-1,2-DCE	20	100
Vinyl Chloride	0.02	0.2

- Groundwater Note:
1. Bolded and orange shaded values exceed the Public Health Enforcement Standard
 2. Bolded and blue shaded values exceed the Public Health Preventive Action Limit
 3. Bolded values are above detection limits
 4. J = Estimated concentration above the detection limit but below the reporting limit
 5. Samples analyzed using EPA SW-846 Method 8260
 6. All results reported in units of micrograms per liter (ug/L)
 7. PCE = Tetrachloroethene
 8. TCE = Trichloroethene
 9. cis-1,2-DCE = cis-1,2-Dichloroethene
 10. trans-1,2-DCE = trans-1,2-Dichloroethene
 11. ND = Not detected
 12. CVOCs = Chlorinated Volatile Organic Compounds
 13. Detected compounds shown are from the most recent results from each location

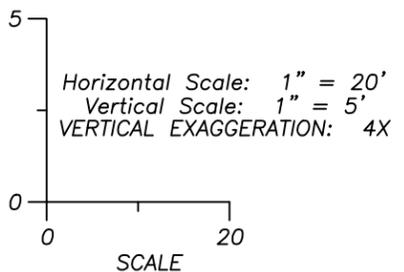
Soil			
Analyte	Soil to Groundwater Residual Contaminant Level	Residential Residual Contaminant Level	Industrial Residual Contaminant Level
PCE	4.5	33,000	145,000
TCE	3.6	1,300	8,410

- Soil Note:
1. Bolded and blue shaded values exceed the Soil to Groundwater Residual Contaminant Level
 2. Bolded values are above detection limits
 3. J = Estimated concentration above the detection limit but below the reporting limit
 4. Samples analyzed using EPA SW-846 Method 8260
 5. All results reported in units of micrograms per liter (ug/L)
 6. PCE = Tetrachloroethene
 7. TCE = Trichloroethene
 8. ND = Not detected
 9. CVOCs = Chlorinated Volatile Organic Compounds

Legend

	Fill
	Sand
	Clay
	Silt
	Gravel

- Observed groundwater elevation on June 26, 2014
- Monitoring well screen
- Dashed boundaries are inferred
- ft above MSL = Feet above Mean Sea Level
- Soil sample depth interval
- Groundwater sample depth interval
- GAS Underground 8" gas utility line
- SAN Underground 12" sanitary utility line
- STM Underground 8" storm utility line



Date:	10/7/14
Designed:	EB
Drawn:	EB
Checked:	BR
DWG file:	6194-0508

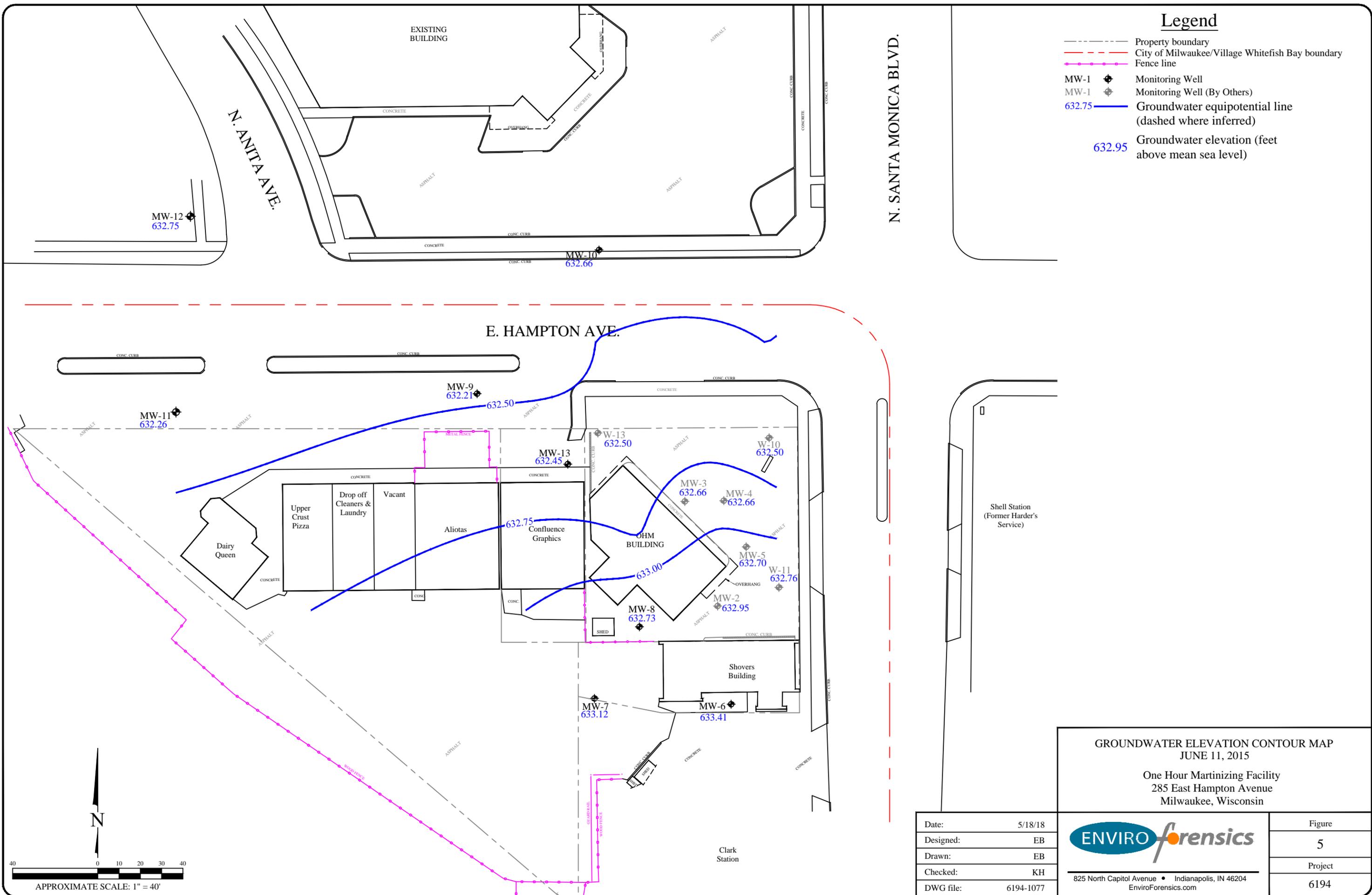
GEOLOGIC CROSS SECTION B-B'

One Hour Martinizing Facility
285 East Hampton Avenue
Milwaukee, Wisconsin

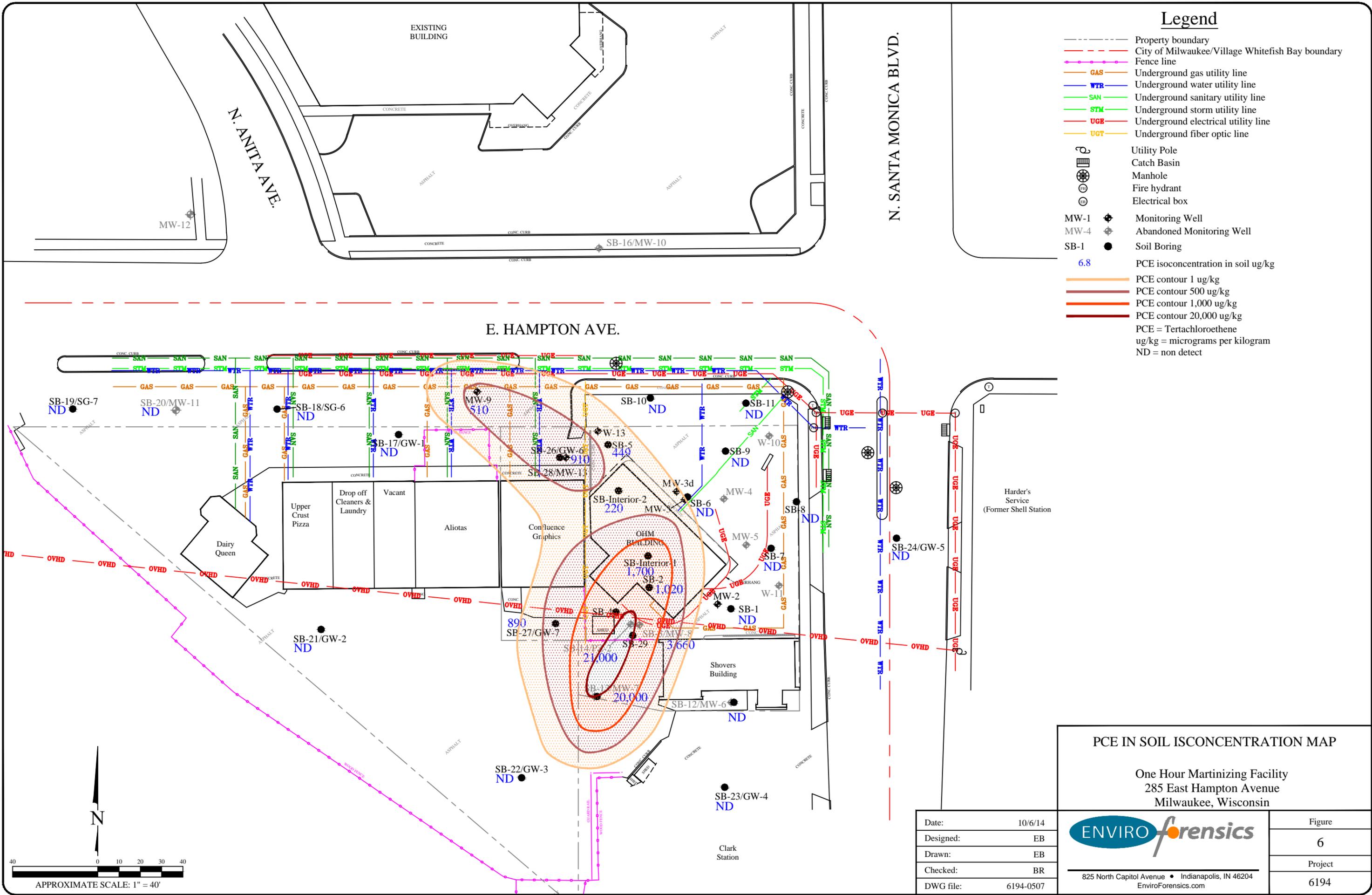
825 North Capitol Avenue • Indianapolis, IN 46204 EnviroForensics.com		Figure 4
		Project 6194

Legend

- Property boundary
- - - - - City of Milwaukee/Village Whitefish Bay boundary
- Fence line
- MW-1  Monitoring Well
- MW-1  Monitoring Well (By Others)
- 632.75  Groundwater equipotential line (dashed where inferred)
- 632.95  Groundwater elevation (feet above mean sea level)



GROUNDWATER ELEVATION CONTOUR MAP JUNE 11, 2015 One Hour Martinizing Facility 285 East Hampton Avenue Milwaukee, Wisconsin											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Date:</td><td>5/18/18</td></tr> <tr><td>Designed:</td><td>EB</td></tr> <tr><td>Drawn:</td><td>EB</td></tr> <tr><td>Checked:</td><td>KH</td></tr> <tr><td>DWG file:</td><td>6194-1077</td></tr> </table>	Date:	5/18/18	Designed:	EB	Drawn:	EB	Checked:	KH	DWG file:	6194-1077	 825 North Capitol Avenue • Indianapolis, IN 46204 EnviroForensics.com
Date:	5/18/18										
Designed:	EB										
Drawn:	EB										
Checked:	KH										
DWG file:	6194-1077										
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Figure</td><td>5</td></tr> <tr><td>Project</td><td>6194</td></tr> </table>	Figure	5	Project	6194						
Figure	5										
Project	6194										

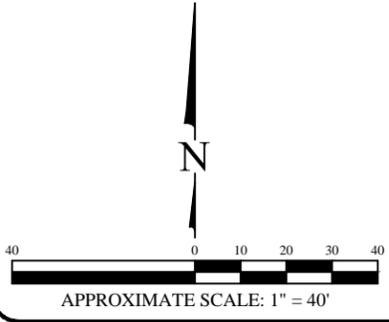


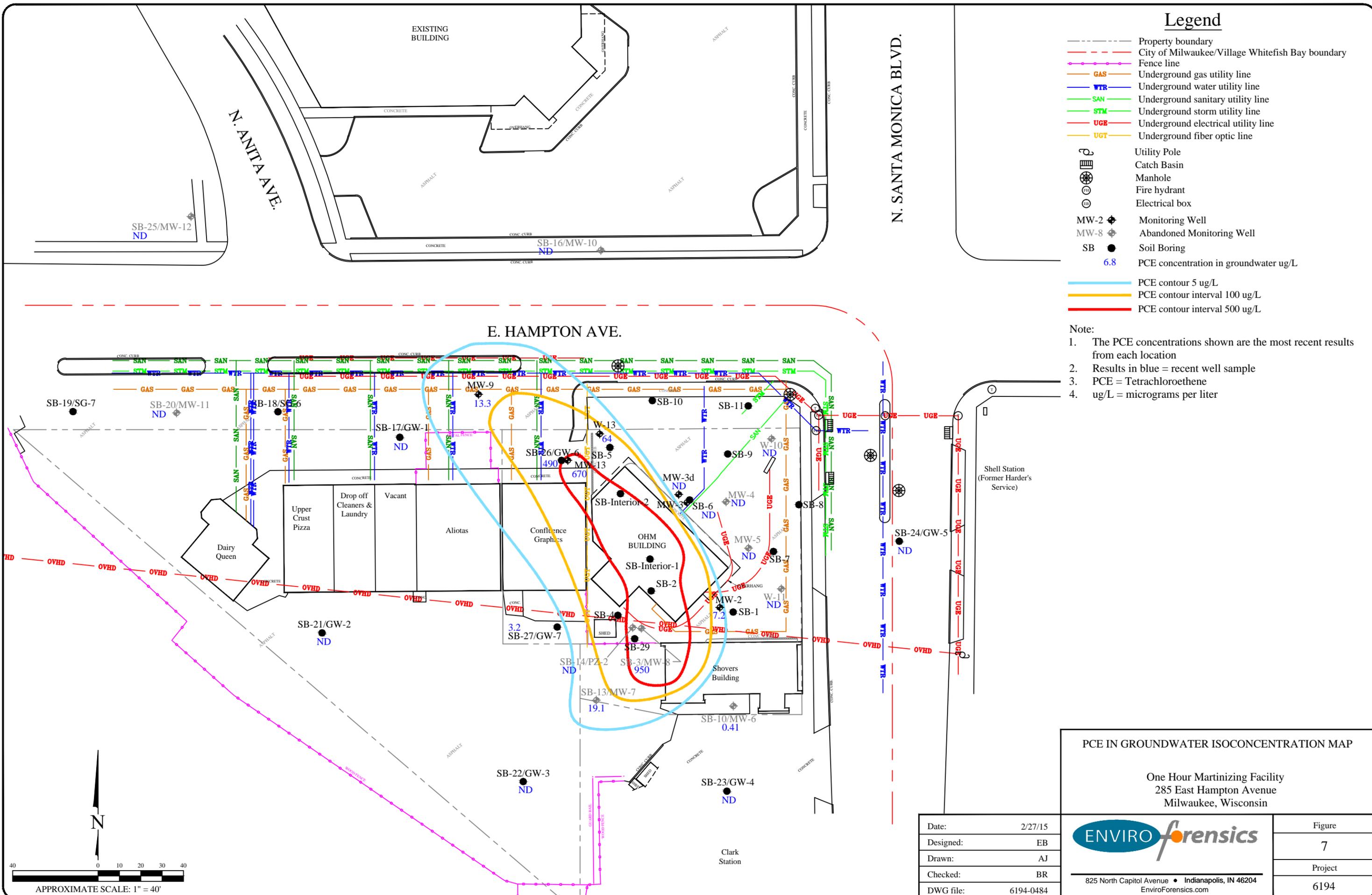
Legend

- Property boundary
- - - - - City of Milwaukee/Village Whitefish Bay boundary
- Fence line
- GAS --- Underground gas utility line
- WTR --- Underground water utility line
- SAN --- Underground sanitary utility line
- STM --- Underground storm utility line
- UGE --- Underground electrical utility line
- UGT --- Underground fiber optic line
- Utility Pole
- Catch Basin
- Manhole
- Fire hydrant
- Electrical box
- MW-1 Monitoring Well
- MW-4 Abandoned Monitoring Well
- SB-1 Soil Boring
- 6.8 PCE isoconcentration in soil ug/kg
- PCE contour 1 ug/kg
- PCE contour 500 ug/kg
- PCE contour 1,000 ug/kg
- PCE contour 20,000 ug/kg
- PCE = Tertachloroethene
- ug/kg = micrograms per kilogram
- ND = non detect

PCE IN SOIL ISOCONCENTRATION MAP	
One Hour Martinizing Facility 285 East Hampton Avenue Milwaukee, Wisconsin	
	Figure 6
825 North Capitol Avenue • Indianapolis, IN 46204 EnviroForensics.com	Project 6194

Date:	10/6/14
Designed:	EB
Drawn:	EB
Checked:	BR
DWG file:	6194-0507





Legend

- Property boundary
- - - City of Milwaukee/Village Whitefish Bay boundary
- Fence line
- GAS --- Underground gas utility line
- WTR --- Underground water utility line
- SAN --- Underground sanitary utility line
- STM --- Underground storm utility line
- UGE --- Underground electrical utility line
- UGT --- Underground fiber optic line
- Utility Pole
- Catch Basin
- Manhole
- Fire hydrant
- Electrical box
- MW-2 Monitoring Well
- MW-8 Abandoned Monitoring Well
- SB Soil Boring
- 6.8 PCE concentration in groundwater ug/L
- PCE contour 5 ug/L
- PCE contour interval 100 ug/L
- PCE contour interval 500 ug/L

- Note:
- The PCE concentrations shown are the most recent results from each location
 - Results in blue = recent well sample
 - PCE = Tetrachloroethene
 - ug/L = micrograms per liter

PCE IN GROUNDWATER ISOCONCENTRATION MAP

One Hour Martinizing Facility
285 East Hampton Avenue
Milwaukee, Wisconsin

Date:	2/27/15
Designed:	EB
Drawn:	AJ
Checked:	BR
DWG file:	6194-0484

825 North Capitol Avenue • Indianapolis, IN 46204
EnviroForensics.com

Figure	7
Project	6194

APPROXIMATE SCALE: 1" = 40'

Legend

- Property boundary
- - - - - City of Milwaukee/Village Whitefish Bay boundary
- Fence line
- GAS ----- Underground gas utility line
- WTR ----- Underground water utility line
- SAN ----- Underground sanitary utility line
- STM ----- Underground storm utility line
- UGE ----- Underground electrical utility line
- UGT ----- Underground fiber optic line

- Utility Pole
- Catch Basin
- Manhole
- Fire hydrant
- Electrical box

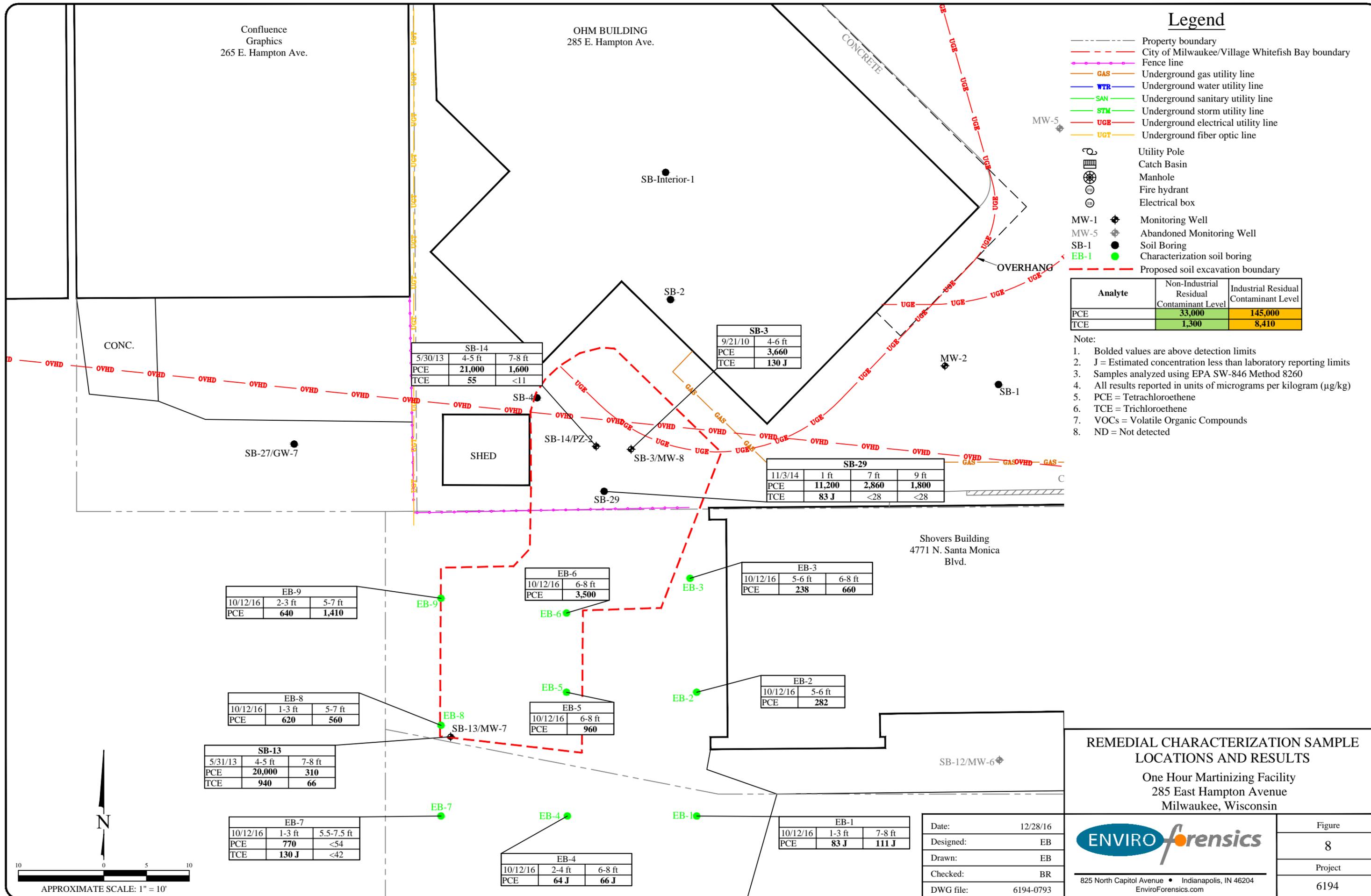
- MW-1 Monitoring Well
- MW-5 Abandoned Monitoring Well
- SB-1 Soil Boring
- EB-1 Characterization soil boring

----- Proposed soil excavation boundary

Analyte	Non-Industrial Residual Contaminant Level	Industrial Residual Contaminant Level
PCE	33,000	145,000
TCE	1,300	8,410

Note:

1. Bolded values are above detection limits
2. J = Estimated concentration less than laboratory reporting limits
3. Samples analyzed using EPA SW-846 Method 8260
4. All results reported in units of micrograms per kilogram (µg/kg)
5. PCE = Tetrachloroethene
6. TCE = Trichloroethene
7. VOCs = Volatile Organic Compounds
8. ND = Not detected



SB-14		
5/30/13	4-5 ft	7-8 ft
PCE	21,000	1,600
TCE	55	<11

SB-3	
9/21/10	4-6 ft
PCE	3,660
TCE	130 J

SB-29			
11/3/14	1 ft	7 ft	9 ft
PCE	11,200	2,860	1,800
TCE	83 J	<28	<28

EB-9		
10/12/16	2-3 ft	5-7 ft
PCE	640	1,410

EB-6	
10/12/16	6-8 ft
PCE	3,500

EB-3		
10/12/16	5-6 ft	6-8 ft
PCE	238	660

EB-8		
10/12/16	1-3 ft	5-7 ft
PCE	620	560

EB-5	
10/12/16	6-8 ft
PCE	960

EB-2	
10/12/16	5-6 ft
PCE	282

SB-13		
5/31/13	4-5 ft	7-8 ft
PCE	20,000	310
TCE	940	66

EB-7		
10/12/16	1-3 ft	5.5-7.5 ft
PCE	770	<54
TCE	130 J	<42

EB-4		
10/12/16	2-4 ft	6-8 ft
PCE	64 J	66 J

EB-1		
10/12/16	1-3 ft	7-8 ft
PCE	83 J	111 J

Date:	12/28/16
Designed:	EB
Drawn:	EB
Checked:	BR
DWG file:	6194-0793

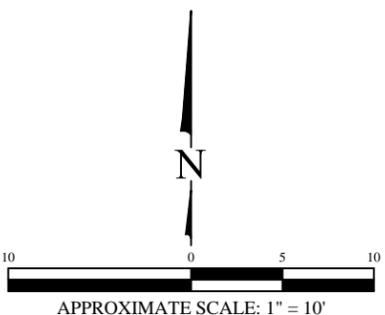
REMEDIAL CHARACTERIZATION SAMPLE LOCATIONS AND RESULTS

One Hour Martinizing Facility
285 East Hampton Avenue
Milwaukee, Wisconsin



825 North Capitol Avenue • Indianapolis, IN 46204
EnviroForensics.com

Figure	8
Project	6194



Legend

- Property boundary
- - - City of Milwaukee/Village Whitefish Bay boundary
- Fence line
- GAS --- Underground gas utility line
- WTR --- Underground water utility line
- SAN --- Underground sanitary utility line
- STM --- Underground storm utility line
- UGE --- Underground electrical utility line
- UGT --- Underground fiber optic line

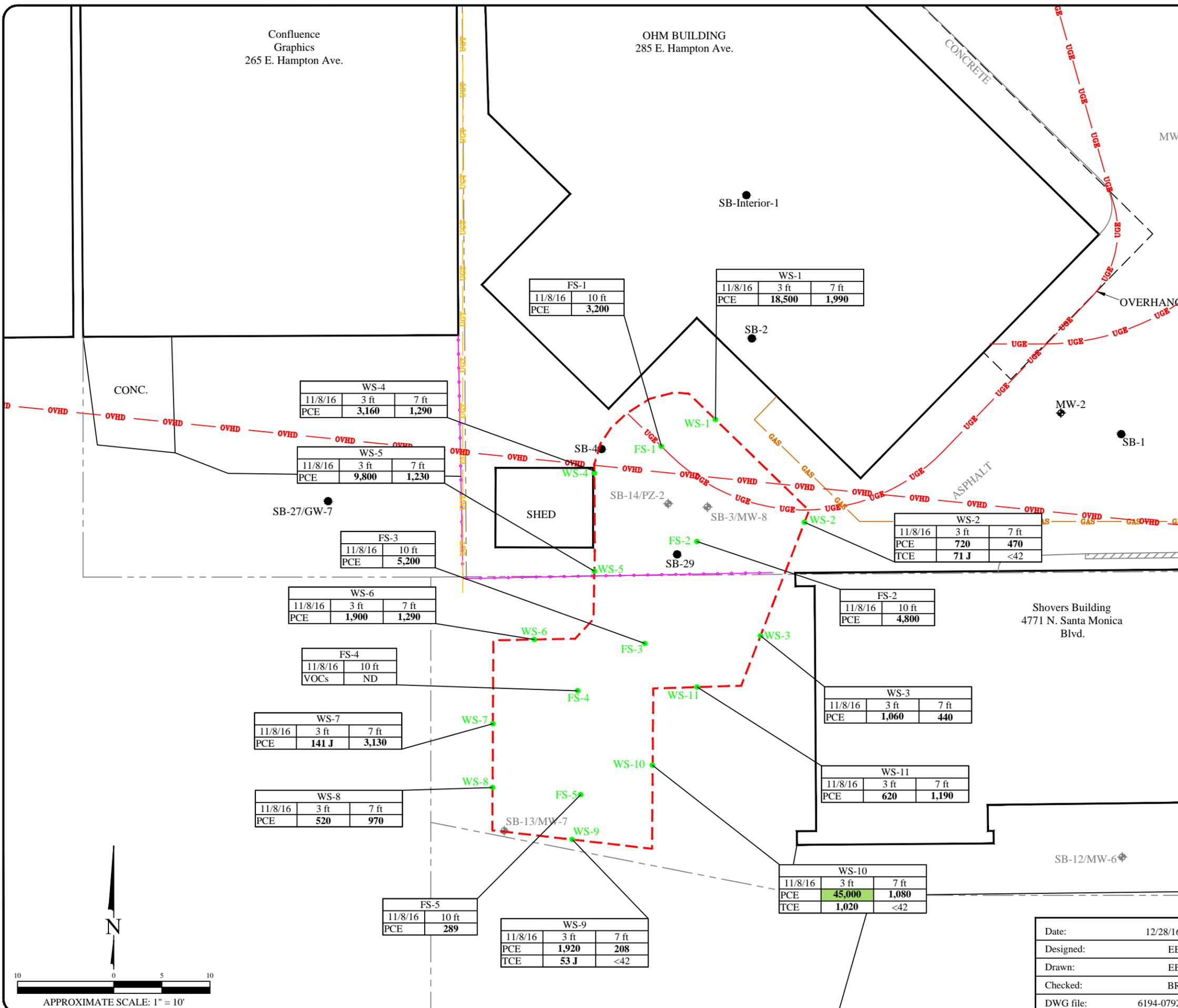
- Utility Pole
- Catch Basin
- Manhole
- Fire hydrant
- Electrical box

- MW-1 Monitoring Well
- MW-5 Abandoned Monitoring Well
- SB-1 Soil Boring

- WS-1 Excavation wall sample
- FS-1 Excavation floor sample
- - - Soil excavation boundary

Analyte	Non-Industrial Residual Contaminant Level	Industrial Residual Contaminant Level
PCE	33,000	145,000
TCE	1,300	8,410

- Note:
- Bolded values are above detection limits
 - Bolded and green shaded values exceed the Non-Industrial Residual Contaminant Level
 - J = Estimated concentration less than laboratory reporting limits
 - Samples analyzed using EPA SW-846 Method 8260
 - All results reported in units of micrograms per kilogram (µg/kg)
 - PCE = Tetrachloroethene
 - TCE = Trichloroethene
 - VOCs = Volatile Organic Compounds
 - ND = Not detected



FS-1			
11/8/16	3 ft	7 ft	
PCE	3,200		

WS-1			
11/8/16	3 ft	7 ft	
PCE	18,500	1,990	

WS-4			
11/8/16	3 ft	7 ft	
PCE	3,160	1,290	

WS-5			
11/8/16	3 ft	7 ft	
PCE	9,800	1,230	

FS-3			
11/8/16	10 ft		
PCE	5,200		

WS-6			
11/8/16	3 ft	7 ft	
PCE	1,900	1,290	

FS-4			
11/8/16	10 ft		
VOCs	ND		

WS-7			
11/8/16	3 ft	7 ft	
PCE	141 J	3,130	

WS-8			
11/8/16	3 ft	7 ft	
PCE	520	970	

FS-5			
11/8/16	10 ft		
PCE	289		

WS-9			
11/8/16	3 ft	7 ft	
PCE	1,920	208	
TCE	53 J	<42	

WS-2			
11/8/16	3 ft	7 ft	
PCE	720	470	
TCE	71 J	<42	

FS-2			
11/8/16	10 ft		
PCE	4,800		

WS-3			
11/8/16	3 ft	7 ft	
PCE	1,060	440	

WS-11			
11/8/16	3 ft	7 ft	
PCE	620	1,190	

WS-10			
11/8/16	3 ft	7 ft	
PCE	45,000	1,080	
TCE	1,020	<42	

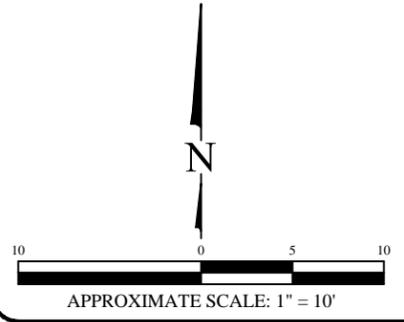
EXCAVATION AREA WITH SIDEWALL AND FLOOR SAMPLE RESULTS

One Hour Martinizing Facility 285 East Hampton Avenue Milwaukee, Wisconsin

Date:	12/28/16
Designed:	EB
Drawn:	EB
Checked:	BR
DWG file:	6194-0792

825 North Capitol Avenue • Indianapolis, IN 46204
EnviroForensics.com

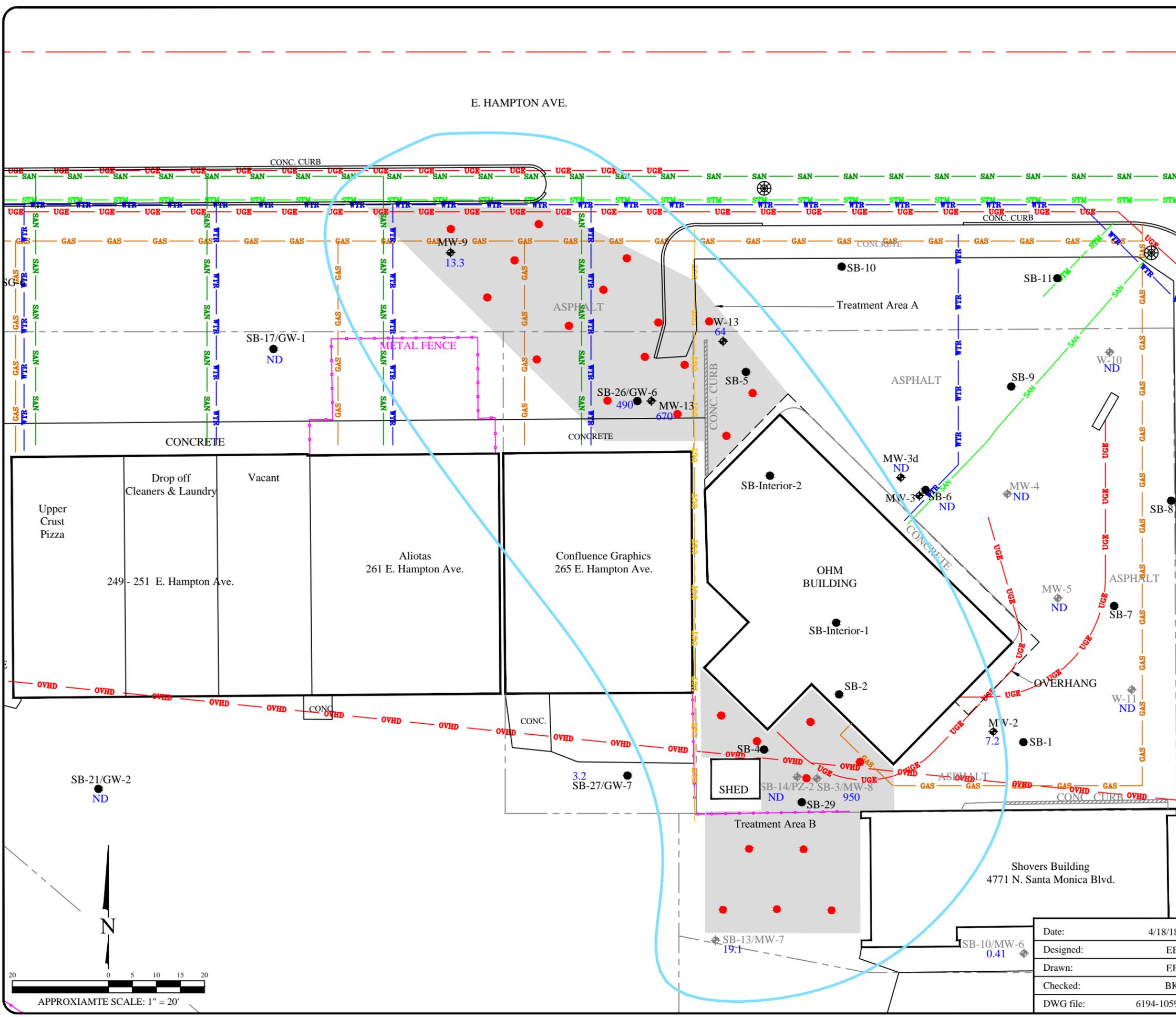
Figure	9
Project	6194



Legend

- Property boundary
- City of Milwaukee/Village Whitefish Bay boundary
- Fence line
- GAS - Underground gas utility line
- WTR - Underground water utility line
- SAN - Underground sanitary utility line
- STM - Underground storm utility line
- UGE - Underground electrical utility line
- UGT - Underground fiber optic line
- Utility Pole
- Catch Basin
- Manhole
- MW-2 - Monitoring Well
- MW-5 - Abandoned Monitoring Well
- SB-1 - Soil Boring
- 6.8 - PCE concentration in groundwater (ug/L)
- Extent of PCE in groundwater above the enforcement standard (5 ug/L)
- Proposed injection point
- Proposed treatment area

- Notes:
1. The PCE concentrations shown are the most recent results from each location.
 2. PCE = Tetrachloroethene
 3. ug/L = micrograms per liter
 4. ND = VOCs not detected



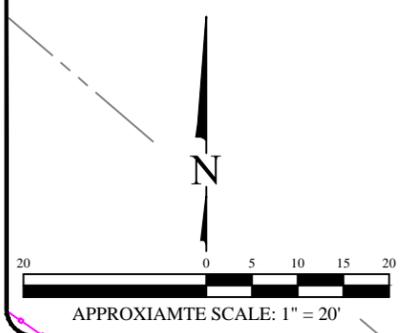
PROPOSED INJECTION POINT LAYOUT

One Hour Martinizing
285 East Hampton Avenue
Milwaukee, Wisconsin

Date:	4/18/18
Designed:	EB
Drawn:	EB
Checked:	BK
DWG file:	6194-1059

	Figure
	10
	Project
	6194

825 North Capitol Avenue • Indianapolis, IN 46204
EnviroForensics.com



Source Property Information

BRRTS #:

ACTIVITY NAME:

PROPERTY ADDRESS:

MUNICIPALITY:

PARCEL ID #:

CLOSURE DATE:

FID #:

DATCP #:

PECFA#:

***WTM COORDINATES:** X: Y:

** Coordinates are in WTM83, NAD83 (1991)*

WTM COORDINATES REPRESENT:

Approximate Center Of Contaminant Source

Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

CONTINUING OBLIGATIONS

Contaminated Media for Residual Contamination:

<input type="checkbox"/> Groundwater Contamination > ES (236)	<input checked="" type="checkbox"/> Soil Contamination > *RCL or **SSRCL (232)
<input type="checkbox"/> Contamination in ROW	<input type="checkbox"/> Contamination in ROW
<input type="checkbox"/> Off-Source Contamination	<input type="checkbox"/> Off-Source Contamination
<i>(note: for list of off-source properties see "Impacted Off-Source Property Information, Form 4400-246")</i>	<i>(note: for list of off-source properties see "Impacted Off-Source Property Information, Form 4400-246")</i>

Site Specific Obligations:

<input type="checkbox"/> Soil: maintain industrial zoning (220)	<input checked="" type="checkbox"/> Cover or Barrier (222)
<i>(note: soil contamination concentrations between non-industrial and industrial levels)</i>	<input checked="" type="checkbox"/> Direct Contact
<input checked="" type="checkbox"/> Structural Impediment (224)	<input checked="" type="checkbox"/> Soil to GW Pathway
<input type="checkbox"/> Site Specific Condition (228)	<input type="checkbox"/> Vapor Mitigation (226)
	<input type="checkbox"/> Maintain Liability Exemption (230)
	<i>(note: local government unit or economic development corporation was directed to take a response action)</i>

Monitoring Wells:

Groundwater monitoring wells W-13, MW-3, and MW-2 were transferred to ERP BRRTS #02-41-543260 at the same location.

Are all monitoring wells properly abandoned per NR 141? (234)

Yes No N/A

* Residual Contaminant Level
**Site Specific Residual Contaminant Level

This Adobe Fillable form is intended to provide a list of information that is required for evaluation for case closure. It is to be used in conjunction with Form 4400-202, Case Closure Request. The closure of a case means that the Department has determined that no further response is required at that time based on the information that has been submitted to the Department.

NOTICE: Completion of this form is mandatory for applications for case closure pursuant to ch. 292, Wis. Stats. and ch. NR 726, Wis. Adm. Code, including cases closed under ch. NR 746 and ch. NR 726. The Department will not consider, or act upon your application, unless all applicable sections are completed on this form and the closure fee and any other applicable fees, required under ch. NR 749, Wis. Adm. Code, Table 1 are included. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than reviewing closure requests and determining the need for additional response action. The Department may provide this information to requesters as required by Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.].

BRRTS #: (No Dashes) PARCEL ID #:
ACTIVITY NAME: WTM COORDINATES: X: Y:

CLOSURE DOCUMENTS (the Department adds these items to the final GIS packet for posting on the Registry)

- Closure Letter**
- Maintenance Plan** (if activity is closed with a land use limitation or condition (land use control) under s. 292.12, Wis. Stats.)
- Continuing Obligation Cover Letter** (for property owners affected by residual contamination and/or continuing obligations)
- Conditional Closure Letter**
- Certificate of Completion (COC)** (for VPLE sites)

SOURCE LEGAL DOCUMENTS

- Deed:** The most recent deed as well as legal descriptions, for the **Source Property** (where the contamination originated). Deeds for other, off-source (off-site) properties are located in the **Notification** section.
Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.
- Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map. (lots on subdivided or platted property (e.g. lot 2 of xyz subdivision)).
Figure #: 1 Title: One Hour Martinizing CSM Map
- Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description accurately describes the correct contaminated property.

MAPS (meeting the visual aid requirements of s. NR 716.15(2)(h))

Maps must be no larger than 11 x 17 inches unless the map is submitted electronically.

- Location Map:** A map outlining all properties within the contaminated site boundaries on a U.S.G.S. topographic map or plat map in sufficient detail to permit easy location of all parcels. If groundwater standards are exceeded, include the location of all potable wells within 1200 feet of the site.
Note: Due to security reasons municipal wells are not identified on GIS Packet maps. However, the locations of these municipal wells must be identified on Case Closure Request maps.
Figure #: 1 Title: Site Location Map
- Detailed Site Map:** A map that shows all relevant features (buildings, roads, individual property boundaries, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding a ch. NR 140 Enforcement Standard (ES), and/or in relation to the boundaries of soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Levels (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.
Figure #: 2 Title: Soil Boring and Monitoring Well Locations
- Soil Contamination Contour Map:** For sites closing with residual soil contamination, this map is to show the location of all contaminated soil and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.
Figure #: 1A Title: Soil Benzene Concentrations, Pre-Remediation Conditions

BRRTS #: 03-41-002225

ACTIVITY NAME: ONE HOUR MARTINIZING

MAPS (continued)

Geologic Cross-Section Map: A map showing the source location and vertical extent of residual soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL). If groundwater contamination exceeds a ch. NR 140 Enforcement Standard (ES) when closure is requested, show the source location and vertical extent, water table and piezometric elevations, and locations and elevations of geologic units, bedrock and confining units, if any.

Figure #: 3 Title: Pre-Remediation Geologic Cross Section Locations

Figure #: 4 Title: Pre-Remediation Cross Sections

Groundwater Isoconcentration Map: For sites closing with residual groundwater contamination, this map shows the horizontal extent of all groundwater contamination exceeding a ch. NR140 Preventive Action Limit (PAL) and an Enforcement Standard (ES). Indicate the direction and date of groundwater flow, based on the most recent sampling data.

Note: This is intended to show the total area of contaminated groundwater.

Figure #: 12 Title: Dissolved Benzene Isoconcentration Contour Map February 19, 1999

Groundwater Flow Direction Map: A map that represents groundwater movement at the site. If the flow direction varies by more than 20° over the history of the site, submit 2 groundwater flow maps showing the maximum variation in flow direction.

Figure #: 5 Title: Shallow Potentiometric Surface Map March 17, 1999

Figure #: Title:

TABLES (meeting the requirements of s. NR 716.15(2)(h)(3))

Tables must be no larger than 11 x 17 inches unless the table is submitted electronically. Tables must not contain shading and/or cross-hatching. The use of **BOLD** or *ITALICS* is acceptable.

Soil Analytical Table: A table showing remaining soil contamination with analytical results and collection dates.

Note: This is one table of results for the contaminants of concern. Contaminants of concern are those that were found during the site investigation, that remain after remediation. It may be necessary to create a new table to meet this requirement.

Table #: 1 Title: Soil Analytical Results

Groundwater Analytical Table: Table(s) that show the most recent analytical results and collection dates, for all monitoring wells and any potable wells for which samples have been collected.

Table #: 2 Title: Groundwater Analytical Results

Water Level Elevations: Table(s) that show the previous four (at minimum) water level elevation measurements/dates from all monitoring wells. If present, free product is to be noted on the table.

Table #: 3 Title: Groundwater Elevation Measurements

IMPROPERLY ABANDONED MONITORING WELLS

For each monitoring well not properly abandoned according to requirements of s. NR 141.25 include the following documents.

Note: If the site is being listed on the GIS Registry for only an improperly abandoned monitoring well you will only need to submit the documents in this section for the GIS Registry Packet.

Not Applicable

Site Location Map: A map showing all surveyed monitoring wells with specific identification of the monitoring wells which have not been properly abandoned.

Note: If the applicable monitoring wells are distinctly identified on the Detailed Site Map this Site Location Map is not needed.

Figure #: Title:

Well Construction Report: Form 4440-113A for the applicable monitoring wells.

Deed: The most recent deed as well as legal descriptions for each property where a monitoring well was not properly abandoned.

Notification Letter: Copy of the notification letter to the affected property owner(s).

BRRTS #: 03-41-002225

ACTIVITY NAME: ONE HOUR MARTINIZING

NOTIFICATIONS

Source Property

Not Applicable

- Letter To Current Source Property Owner:** If the source property is owned by someone other than the person who is applying for case closure, include a copy of the letter notifying the current owner of the source property that case closure has been requested.
- Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying current source property owner.

Off-Source Property

Group the following information per individual property and label each group according to alphabetic listing on the "Impacted Off-Source Property" attachment.

Not Applicable

- Letter To "Off-Source" Property Owners:** Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.

Note: Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.

Number of "Off-Source" Letters:

- Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying any off-source property owner.
- Deed of "Off-Source" Property:** The most recent deed(s) as well as legal descriptions, for all affected deeded **off-source property(ies)**. This does not apply to right-of-ways.
Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.
- Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map. (lots on subdivided or platted property (e.g. lot 2 of xyz subdivision)).

Figure #: **Title:**

- Letter To "Governmental Unit/Right-Of-Way" Owners:** Copies of all letters sent by the Responsible Party (RP) to a city, village, municipality, state agency or any other entity responsible for maintenance of a public street, highway, or railroad right-of-way, within or partially within the contaminated area, for contamination exceeding a groundwater Enforcement Standard (ES) and/or soil exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).

Number of "Governmental Unit/Right-Of-Way Owner" Letters:



March 1, 2017

OHM Holdings, Inc.
Attn: Mr. Brian Cass
W229 N2494 County Road F
Waukesha, WI 53186-1104

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

Subject: Final Case Closure with Continuing Obligations for One Hour Martinizing 285 East Hampton Avenue Milwaukee, WI

FID: 241176650
BRRTS: 03-41-002225
PECFA: 53217-5803-85

Dear Mr. Cass:

The Department of Natural Resources (DNR) considers One Hour Martinizing closed, with continuing obligations. No further investigation or remediation is required at this time. However, you, future property owners, and occupants of the property must comply with the continuing obligations as explained in the conditions of closure in this letter. Please read over this letter closely to ensure that you comply with all conditions and other on-going requirements. Provide this letter and any attachments listed at the end of this letter to anyone who purchases, rents or leases this property from you.

This final closure decision is based on the correspondence and data provided, and is issued under chs. NR 726 and 727, Wis. Adm. Code. The Southeast DNR Region Project Manager reviewed the request for closure on June 8, 2005. The DNR Project Manager reviewed this environmental remediation case for compliance with state laws and standards to maintain consistency in the closure of these cases. A request for remaining actions needed was issued by the DNR on June 8, 2005, and documentation that the conditions in that letter and subsequent revisions to that letter were met, was received on February 10, 2017.

This former gas station has soil and groundwater contaminated with petroleum product. Responses included soil excavation, vapor extraction and a groundwater recovery system, and monitored natural attenuation. The conditions of closure and continuing obligations required were based on the property being used for commercial purposes.

Monitoring wells W-13, MW-3, and MW-2 are being transferred for continued groundwater monitoring as part of the One Hour Martinizing Environmental Repair Program (ERP) drycleaning site, BRRTS #02-41-543260. Do NOT fill and seal these wells at this time. Well filling and sealing will be required of One Hour Martinizing for closure, upon conclusion of the cleanup of this site. These wells are identified on the **attached map Soil Boring and Monitoring Well Locations Map, Figure 2, dated February 8, 2000.**

Continuing Obligations

The continuing obligations for this site are summarized below. Further details on actions required are found in the section Closure Conditions.

- Groundwater contamination is present at or above ch. NR 140, Wis. Adm. Code enforcement standards.
- Residual soil contamination exists that must be properly managed should it be excavated or removed.
- One or more monitoring wells were approved to be kept for further monitoring with the current groundwater monitoring program for the ERP BRRTS #02-41-543260. Annual inspections are required and the wells must be properly filled and sealed when monitoring or case closure has been completed.
- The building, asphalt and concrete cap must be maintained over contaminated soil and the DNR must be notified and approve any changes to this barrier.
- If a structural impediment that obstructed a complete site investigation and/or cleanup is removed or modified, additional environmental work must be completed.

The DNR fact sheet "Continuing Obligations for Environmental Protection," RR-819, helps to explain a property owner's responsibility for continuing obligations on their property. The fact sheet may be obtained at <http://dnr.wi.gov/files/PDF/pubs/rr/RR819.pdf>.

GIS Registry

This site will be included on the Bureau for Remediation and Redevelopment Tracking System (BRRTS on the Web) at <http://dnr.wi.gov/topic/Brownfields/clean.html>, to provide public notice of residual contamination and of any continuing obligations. The site can also be viewed on the Remediation and Redevelopment Sites Map (RRSM), a map view, under the Geographic Information System (GIS) Registry layer, at the same web address.

DNR approval prior to well construction or reconstruction is required for all sites shown on the GIS Registry, in accordance with s. NR 812.09 (4) (w), Wis. Adm. Code. This requirement applies to private drinking water wells and high capacity wells. To obtain approval, complete and submit Form 3300-254 to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line at <http://dnr.wi.gov/topic/wells/documents/3300254.pdf>.

All site information is also on file at the Southeast Regional DNR office located at: 2300 Dr. M. L. King Drive, Milwaukee, WI. This letter and information that was submitted with your closure request application, including any maintenance plan and maps, can be found as a Portable Document Format (PDF) in BRRTS on the Web.

Prohibited Activities

Certain activities are prohibited at closed sites because maintenance of a barrier is intended to prevent contact with any remaining contamination. When a barrier is required, the condition of closure requires

One Hour Martinizing
285 East Hampton Road
Milwaukee, WI
FID: 241176650
BRRTS: 03-41-002225
PECFA: 53217-5803-85

notification of the DNR before making a change, in order to determine if further action is needed to maintain the protectiveness of the remedy employed. The following activities are prohibited on any portion of the property where the building, asphalt and concrete cap is required, as shown on the **attached map in the Cap Maintenance Plan, Location and Extent of Asphalt/Concrete Cap Map, Figure 3, dated February 24, 2017**, unless prior written approval has been obtained from the DNR:

- removal of the existing barrier or cover;
- replacement with another barrier or cover;
- excavating or grading of the land surface;
- filling on covered or paved areas;
- plowing for agricultural cultivation;
- construction or placement of a building or other structure;
- changing the use or occupancy of the property to a residential exposure setting, which may include certain uses, such as single or multiple family residences, a school, day care, senior center, hospital, or similar residential exposure settings.

Closure Conditions

Compliance with the requirements of this letter is a responsibility to which you and any subsequent property owners must adhere. DNR staff will conduct periodic prearranged inspections to ensure that the conditions included in this letter and the attached maintenance plan is met. If these requirements are not followed, the DNR may take enforcement action under s. 292.11, Wis. Stats. to ensure compliance with the specified requirements, limitations or other conditions related to the property.

Please send written notifications in accordance with the following requirements to:

Wisconsin Department of Natural Resources
Attn: Remediation and Redevelopment Program Environmental Program Associate
2300 Dr. M. L. King Drive
Milwaukee, WI 53212

Residual Groundwater Contamination (ch. NR 140, 812, Wis. Adm. Code)

Groundwater contamination greater than enforcement standards is present on this contaminated property, as shown on the **attached map, Dissolved Benzene Isoconcentration Contour Map March 1999, Figure 12, dated February 8, 2000**. If you intend to construct a new well, or reconstruct an existing well, you'll need prior DNR approval.

Residual Soil Contamination (ch. NR 718, chs. 500 to 536, Wis. Adm. Code or ch. 289, Wis. Stats.)

Soil contamination remains at locations B-3, B-5, GWE-1, MW-3, MW-4, MW-5, and PZ-1, as indicated on the **attached map, Soil Benzene Concentrations, Pre-Remediation Conditions, Figure 1A, dated February 3, 2005**. If soil in the specific locations described above is excavated in the future, the property owner or right-of-way holder at the time of excavation must sample and analyze the excavated soil to determine if contamination remains. If sampling confirms that contamination is present, the

One Hour Martinizing
285 East Hampton Road
Milwaukee, WI
FID: 241176650
BRRTS: 03-41-002225
PECFA: 53217-5803-85

property owner or right-of-way holder at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. Contaminated soil may be managed in accordance with ch. NR 718, Wis. Adm. Code, with prior DNR approval.

In addition, all current and future owners and occupants of the property and right-of-way holders need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken to prevent a direct contact health threat to humans.

Continued Monitoring Approved

Enviroforensics requested continued monitoring of wells W-13, MW-3, and MW-2, located on the **attached map, Groundwater Analytical Result Map 2014, Figure 12, dated January 20, 2015**, is approved. Sampling results must be submitted to the DNR within 10 days of receipt of the results. An annual inspection of the well is required to verify the integrity of the monitoring well construction, including the well labels, lock and seal, starting one year after the date of this letter. The **attached** maintenance plan and inspection log (DNR form 4400-305) shall be maintained on site, and the inspection log shall be made to the DNR upon request.

You may be held liable for any problems associated with the monitoring wells if they create a conduit for contaminants to enter groundwater. Once monitoring of these wells ends, the owner of the property on which the wells are located is required to notify the DNR, to properly fill and seal the wells and to submit the required documentation to the DNR.

Cover or Barrier (s. 292.12 (2) (a), Wis. Stats., s. NR 726.15, s. NR 727.07 Wis. Adm. Code)

The building, asphalt and concrete cap that exists in the location shown on the **attached map in the Cap Maintenance Plan, Location and Extent of Asphalt/Concrete Cap Map, Figure 3, dated February 24, 2017**, shall be maintained in compliance with the **attached maintenance plan** in order to minimize the infiltration of water and prevent additional groundwater contamination that would violate the groundwater quality standards in ch. NR 140, Wis. Adm. Code, and to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health.

In this case, the building is also considered a structural impediment, and additional investigation and response requirements apply as described in the section titled Structural Impediments.

The cover approved for this closure was designed to be protective for a commercial or industrial use setting. Before using the property for residential purposes, you must notify the DNR at least 45 days before taking an action, to determine if additional response actions are warranted.

A request may be made to modify or replace a cover or barrier. Before removing or replacing the cover, you must notify the DNR at least 45 days before taking an action. The replacement or modified cover or barrier must be protective of the revised use of the property, and must be approved in writing by the DNR prior to implementation. A cover or barrier for industrial land uses, or certain types of commercial land uses may not be protective if the use of the property were to change such that a

One Hour Martinizing
285 East Hampton Road
Milwaukee, WI
FID: 241176650
BRRTS: 03-41-002225
PECFA: 53217-5803-85

residential exposure would apply. This may include, but is not limited to single or multiple family residences, a school, day care, senior center, hospital or similar settings. In addition, a cover or barrier for multi-family residential housing use may not be appropriate for use at a single family residence.

The **attached maintenance plan and inspection log (DNR form 4400-305)** are to be kept up-to-date and onsite. Inspections shall be conducted annually, in accordance with the attached maintenance plan. Submit the inspection log to the DNR only upon request.

Structural Impediments (s. 292.12 (2) (b), Wis. Stats., s. NR 726.15, s. NR 727.07, Wis. Adm. Code)

The remaining building as shown on the **attached map Soil Benzene Concentrations, Pre-Remediation Conditions, Figure 1A, dated February 3, 2005**, made complete investigation and/or remediation of the soil contamination on this property impracticable. If the structural impediment is to be removed, the property owner shall notify the DNR at least 45 days before removal, and conduct an investigation of the degree and extent of petroleum contamination below the structural impediment. If contamination is found at that time, the contamination shall be properly remediated in accordance with applicable statutes and rules.

PECFA Reimbursement

Section 101.143, Wis. Stats., requires that Petroleum Environmental Cleanup Fund Award (PECFA) claimants seeking reimbursement of interest costs, for sites with petroleum contamination, submit a final reimbursement claim within 120 days after they receive a closure letter on their site. For claims not received within 120 days of the date of this letter, interest costs after 60 days of the date of this letter will not be eligible for PECFA reimbursement. If there is equipment purchased with PECFA funds remaining at the site, contact the DNR Project Manager to determine the method for salvaging the equipment.

Per Wisconsin Act 55 (2015 State budget), a claim for PECFA reimbursement must be submitted within 180 days of incurring costs (i.e., completing a task). If your final PECFA claim is not submitted within 180 days of incurring the costs, the costs will not be eligible for PECFA reimbursement.

In Closing

Please be aware that the case may be reopened pursuant to s. NR 727.13, Wis. Adm. Code, for any of the following situations:

- if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or to the environment,
- if the property owner does not comply with the conditions of closure, with any deed restrictions applied to the property, or with a certificate of completion issued under s. 292.15, Wis. Stats., or
- a property owner fails to maintain or comply with a continuing obligation (imposed under this

One Hour Martinizing
285 East Hampton Road
Milwaukee, WI
FID: 241176650
BRRTS: 03-41-002225
PECFA: 53217-5803-85

closure approval letter).

The DNR appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact John J. Hnat at 414-263-8644, or at john.hnat@wisconsin.gov.

Sincerely,



Pamela A. Mylotta
Southeast Region Team Supervisor
Remediation & Redevelopment Program

Attachments:

- Cap Maintenance Plan, dated January 30, 2017
- Soil Boring and Monitoring Well Locations, Arcadis, Geraghty & Miller, dated February 8, 2000
- Dissolved Benzene Isoconcentration Contour Map March 1999, Arcadis, Geraghty & Miller, dated February 8, 2000
- Soil Benzene Concentrations, Pre-Remediation Conditions, Arcadis, dated February 3, 2005
- Groundwater Analytical Result Map 2014, Enviroforensics, dated January 20, 2015

CC: Wayne Fassbender, Enviroforensics, N16 W23390 Stone Ridge Drive, Suite G, Waukesha, WI 53188
WDNR Files



CAP MAINTENANCE PLAN

January 30, 2017

Property located at:

**285 EAST HAMPTON AVENUE
MILWAUKEE, WISCONSIN
WDNR BRRTS# 03-41-002225, FID# 241176650**

LEGAL DESCRIPTION: COMSTOCK & WILLIAMS SUBD OF LOTS 1 TO 5 SEC 5 & SE 1/4 SEC 5 & NW 1/4 SEC 4-7-22 W 100' OF E 176.15' OF S 100' OF N 157' LOT 133

TAX ID#: 2420227000

INTRODUCTION

This document is the Maintenance Plan for the asphalt and concrete surface materials (the “Cap”) covering soil contaminated with petroleum-related compounds at the above-referenced property in accordance with the requirements of s. NR 724.13(2), Wis. Adm. Code. The maintenance activities relate to the existing asphalt parking lot areas and concrete building foundation, which occupy the area over the residual soil contamination.

More site-specific information about this property/site may be obtained from:

- The case file in the Wisconsin Department of Natural Resources (WDNR) Regional office;
- [BRRTS on the Web](#) (WDNR’s internet based data base of contaminated sites) for the link to a PDF for site-specific information at the time of closure and on continuing obligations;
- [RR Sites Map/GIS Registry layer](#) for a map view of the site, and
- The WDNR project manager.

DESCRIPTION OF CONTAMINATION

Soil contaminated by petroleum volatile organic compounds (PVOCs) is located at a depth of 0-8 feet below ground surface (bgs) in the area under the site building and asphalt parking/walkway areas that surround the building. Groundwater contaminated by PVOCs is encountered at a depth of 8-15 feet bgs beneath the same areas. The extent of residual PVOC contamination in soil and groundwater is shown on the attached **Figure 1** and **Figure 2**, respectively.



DESCRIPTION OF CAP

The cap consists of the site building, including its concrete floor slab and foundation, and the asphalt parking/walkway areas that extend from the building to the property boundary in all directions. The location and extent of the cap is depicted on **Figure 3**. The cap in its present condition serves as a barrier to prevent direct human contact with residual soil contamination. The existing cap will also act as a partial infiltration barrier to minimize future soil-to-groundwater contamination migration. The asphalt/concrete cap is 4 to 6 inches thick across the property.

ANNUAL INSPECTION

The asphalt/concrete cap will be inspected once per year, normally in the spring after all snow and ice is gone, for deterioration, cracks and other potential problems that can cause or exposure to underlying soils. The inspections will be performed by the property owner or their designated representative. The inspections will be performed to evaluate damage due to settling, exposure to the weather, wear from traffic, increasing age, and other factors.

Any area where soils have become or are likely to become exposed will be documented on WDNR Form 4400-305 (Continuing Obligations Inspection and Maintenance Log), included as **Attachment A**. The log will include recommendations for necessary repair of any areas where underlying soils are exposed. Once repairs are completed, they will be documented in the Inspection Log. A copy of the Inspection Log will be kept at the property and available for submittal or review by WDNR representatives upon their request.

MAINTENANCE ACTIVITIES

If problems are noted during the annual inspections or at any other time during the year, repairs will be scheduled as soon as practical. Repairs can include patching and filling or larger resurfacing or construction operations. In the event that necessary maintenance activities expose the underlying soil, the property owner must inform maintenance workers of the direct contact exposure hazard and provide them with appropriate personal protection equipment (PPE). The property owner must also sample any soil excavated from the site prior to disposal to ascertain if contamination is present. The soil must be treated, stored, or disposed of by the owner in accordance with applicable local, state and federal law.

In the event the asphalt and or concrete building foundation cover overlying the contaminated soil are removed or replaced, the replacement barrier must be equally impermeable. Any replacement barrier will be subject to the same maintenance and inspection guidelines as outlined in this Cap Maintenance Plan unless indicated otherwise by the WDNR or its successor. The property owner, in order to maintain the integrity of the asphalt/concrete cap, will maintain a copy of this Maintenance Plan on-site and make it available to all interested parties (i.e. on-site employees, contractors, future property owners, etc.) for viewing.



PROHIBITION OF ACTIVITIES AND NOTIFICATION

NOTIFICATION WITH THE WDNR MUST BE DONE PRIOR TO ACTIONS AFFECTING THE ASPHALT/CONCRETE CAP. The following activities are prohibited on any portion of the property where an asphalt/concrete cap is required as depicted on the attached **Figure 3**, unless prior written approval has been obtained from the WDNR: 1) removal of the existing barrier; 2) replacement with another barrier; 3) excavating or grading of the land surface; 4) filling on capped or paved areas; 5) plowing for agricultural cultivation; or 6) construction or placement of a building or other structure.

AMENDMENT OR WITHDRAWAL OF MAINTENANCE PLAN

This Maintenance Plan can be amended or withdrawn by the property owner and its successors with the written approval of the WDNR.

CONTACT INFORMATION

Site Owner and Operator: OHM Holdings, Inc.
Brian Cass
W229N2494 County Road F
Waukesha, WI 53186-1104

Consultant: Environmental Forensic Investigations, Inc.
Wayne Fassbender, PG, PMP
N16 W23390 Stone Ridge Dr., Suite G
Waukesha, WI 53188
(317) 972-7870

WDNR Project Manager: John Hnat
Wisconsin Dept. of Natural Resources
2300 Dr. Martin Luther King Jr. Dr.
Milwaukee, WI 53212
(414) 263-8644



FIGURES

Legend

- Property boundary
- City of Milwaukee/Village Whitefish Bay boundary
- Fence line
- GAS - Underground gas utility line
- WTR - Underground water utility line
- SAN - Underground sanitary utility line
- STM - Underground storm utility line
- UGE - Underground electrical utility line
- UGT - Underground fiber optic line

- Utility Pole
- Catch Basin
- Manhole
- Fire hydrant
- Electrical box
- SB-1 - Soil Boring
- SG-1 - Soil Gas boring

Analyte	Soil to Groundwater Residual Contaminant Level	Residential Residual Contaminant Level	Industrial Residual Contaminant Level
PCE	4.5	30,700	153,000
TCE	3.6	1,260	8,810
cis-1,2-DCE	41.2	156,000	2,040,000
Benzene	5.1	1,490	7,410
1,2,4-TMB	1,394	89,800	219,000
1,3,5-TMB	1,380	182,000	182,000
Bromobenzene	36.4	354,000	679,000
1,4-DCBZ	144	3,480	17,500
1,3-DCBZ	1,152.8	297,000	297,000
Chlorobenzene	98	392,000	761,000
Ethylbenzene	1,570	7,470	37,000
Isopropylbenzene	NE	NE	NE
Naphthalene	659	5,150	26,000
n-Butylbenzene	NE	NE	NE
n-Propylbenzene	1,970	264,000	264,000
p-Isopropyltoluene	NE	162,000	162,000
Toluene	1,384	818,000	818,000
Xylene - (Total)	19,700	258,000	258,000

- Note:
- Bolded and blue shaded values exceed the Soil to Groundwater Residual Contaminant Level
 - Bolded values are above detection limits
 - J = Analyte concentration less than laboratory detection limits
 - Samples analyzed using EPA SW-846 Method 8260
 - All results reported in units of micrograms per liter (ug/L)
 - PCE = Tetrachloroethene
 - TCE = Trichloroethene
 - cis-1,2-DCE = cis-1,2-Dichloroethene
 - 1,2,4-TMB = 1,2,4-Trimethylbenzene
 - 1,3,5-TMB = 1,3,5-Trimethylbenzene
 - 1,4-Dichlorobenzene
 - 1,3-Dichlorobenzene
 - ND = Not detected
 - VOCs = Volatile Organic Compounds
 - * = Toxicity Characteristic Leaching Procedure (TCLP) analysis of the sample yielded 0.081 milligrams per liter (mg/L)
 - ^ = Toxicity Characteristic Leaching Procedure (TCLP) analysis of the sample yielded <0.05 milligrams per liter (mg/L)

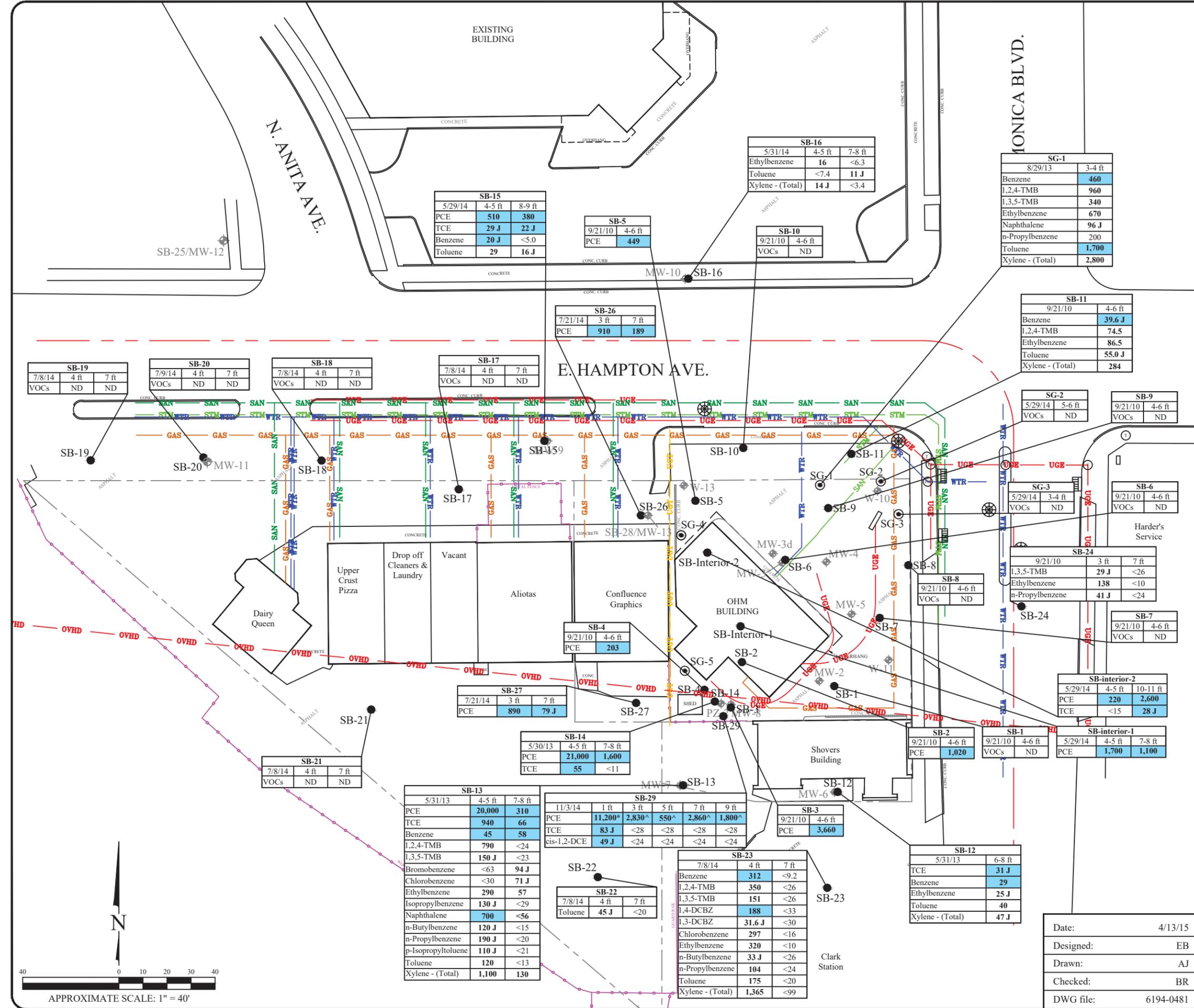
SOIL SAMPLE ANALYTICAL RESULTS MAP

One Hour Martinizing Facility
285 East Hampton Avenue
Milwaukee, Wisconsin

Date:	4/13/15
Designed:	EB
Drawn:	AJ
Checked:	BR
DWG file:	6194-0481

ENVIRONMENTAL FORENSIC INVESTIGATIONS, INC.
602 N. Capitol Ave., Ste. 210 • Indianapolis, IN 46204
EnviroForensics.com

Figure	1
Project	6194



SB-15		
5/29/14	4-5 ft	8-9 ft
PCE	510	380
TCE	29 J	22 J
Benzene	20 J	<5.0
Toluene	29	16 J

SB-16		
5/31/14	4-5 ft	7-8 ft
Ethylbenzene	16	<6.3
Toluene	<7.4	11 J
Xylene - (Total)	14 J	<3.4

SG-1	
8/29/13	3-4 ft
Benzene	460
1,2,4-TMB	960
1,3,5-TMB	340
Ethylbenzene	670
Naphthalene	96 J
n-Propylbenzene	200
Toluene	1,700
Xylene - (Total)	2,800

SB-26		
7/21/14	3 ft	7 ft
PCE	910	189

SB-11	
9/21/10	4-6 ft
Benzene	39.6 J
1,2,4-TMB	74.5
Ethylbenzene	86.5
Toluene	55.0 J
Xylene - (Total)	284

SB-19		
7/8/14	4 ft	7 ft
VOCs	ND	ND

SB-20		
7/9/14	4 ft	7 ft
VOCs	ND	ND

SB-18		
7/8/14	4 ft	7 ft
VOCs	ND	ND

SB-17		
7/8/14	4 ft	7 ft
VOCs	ND	ND

SB-26		
7/21/14	3 ft	7 ft
PCE	910	189

SG-2	
5/29/14	5-6 ft
VOCs	ND

SB-9	
9/21/10	4-6 ft
VOCs	ND

SB-4		
9/21/10	4-6 ft	
PCE	203	

SB-24	
9/21/10	3 ft
1,3,5-TMB	29 J
Ethylbenzene	138
n-Propylbenzene	41 J

SB-7	
9/21/10	4-6 ft
VOCs	ND

SB-interior-2		
5/29/14	4-5 ft	10-11 ft
PCE	220	2,600
TCE	<15	28 J

SB-21		
7/8/14	4 ft	7 ft
VOCs	ND	ND

SB-27		
7/21/14	3 ft	7 ft
PCE	890	79 J

SB-14		
5/30/13	4-5 ft	7-8 ft
PCE	21,000	1,600
TCE	55	<11

SB-13			
5/31/13	4-5 ft	7-8 ft	
PCE	20,000	310	
TCE	940	66	
Benzene	45	58	
1,2,4-TMB	790	<24	
1,3,5-TMB	150 J	<23	
Bromobenzene	<63	94 J	
Chlorobenzene	<30	71 J	
Ethylbenzene	290	57	
Isopropylbenzene	130 J	<29	
Naphthalene	700	<56	
n-Butylbenzene	120 J	<15	
n-Propylbenzene	190 J	<20	
p-Isopropyltoluene	110 J	<21	
Toluene	120	<13	
Xylene - (Total)	1,100	130	

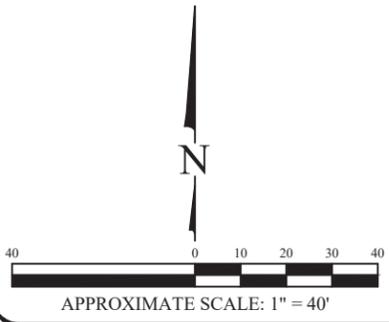
SB-29					
11/3/14	1 ft	3 ft	5 ft	7 ft	9 ft
PCE	11,200*	2,830^	550^	2,860^	1,800^
TCE	83 J	<28	<28	<28	<28
cis-1,2-DCE	49 J	<24	<24	<24	<24

SB-22		
7/8/14	4 ft	7 ft
Toluene	45 J	<20

SB-23		
7/8/14	4 ft	7 ft
Benzene	312	<9.2
1,2,4-TMB	350	<26
1,3,5-TMB	151	<26
1,4-DCBZ	188	<33
1,3-DCBZ	31.6 J	<30
Chlorobenzene	297	<16
Ethylbenzene	320	<10
n-Butylbenzene	33 J	<26
n-Propylbenzene	104	<24
Toluene	175	<20
Xylene - (Total)	1,365	<99

SB-3	
9/21/10	4-6 ft
PCE	3,660

SB-12	
5/31/13	6-8 ft
TCE	31 J
Benzene	29
Ethylbenzene	25 J
Toluene	40
Xylene - (Total)	47 J



APPROXIMATE SCALE: 1" = 40'

Legend

- Property boundary
- - - City of Milwaukee/Village Whitefish Bay boundary
- Fence line
- MW-1 Monitoring Well
- MW-1 Monitoring Well (By Others)
- Soil Boring groundwater sample

Analyte	Public Health Preventive Action Limit	Public Health Enforcement Standard
PCE	0.5	5
TCE	0.5	5
cis-1,2-DCE	7	70
trans-1,2-DCE	20	100
1,1-DCE	0.7	7
Vinyl Chloride	0.02	0.2
Chlorobenzene	20	100
Benzene	0.5	5
n-Butylbenzene	NE	NE
sec-Butylbenzene	NE	NE
Ethylbenzene	140	700
Isopropylbenzene	NE	NE
MTBE	12	60
Naphthalene	10	100
n-Propylbenzene	NE	NE
Toluene	200	1,000
p-Isopropyltoluene	NE	NE
1,2,4-TMB	96	480
1,3,5-TMB	96	480
1,1,1-TCA	40	200
Xylene (Total)	1,000	10,000
Chloroform	0.60	6

Note:

1. Bolded and orange shaded values exceed the Public Health Enforcement Standard
2. Bolded and blue shaded values exceed the Public Health Preventive Action Limit
3. Bolded values are above detection limits
4. J = Analyte concentration less than laboratory detection limits
5. Samples analyzed using EPA SW-846 Method 8260
6. All results reported in units of micrograms per liter (ug/L)
7. PCE = Tetrachloroethylene
8. TCE = Trichloroethylene
9. 1,2,4-TMB = 1,2,4-Trimethylbenzene
10. 1,3,5-TMB = 1,3,5-Trimethylbenzene
11. MTBE = Methyl-tert-Butyl Ether
12. 1,1-DCE = 1,1-Dichloroethylene
13. 1,1,1-TCA = 1,1,1-Trichloroethane
14. ND = Not detected
15. NS = Not Sampled

GROUNDWATER ANALYTICAL RESULT MAP 2014

One Hour Martinizing Facility
285 East Hampton Avenue
Milwaukee, Wisconsin

ENVIRONMENTAL FORENSIC INVESTIGATIONS, INC.
602 N. Capitol Ave., Ste. 210 • Indianapolis, IN 46204
EnviroForensics.com

Figure

2

Project

6194

Date:	1/20/15
Designed:	EB
Drawn:	AJ
Checked:	WF
DWG file:	6194-0483

MW-3	3/28/14	6/27/14	10/1/14	12/30/14
cis-1,2-DCE	<3.8	7.8 J	<3.8	<4.5
Vinyl Chloride	2.2 J	2.4 J	6.8 J	7.5
Benzene	75	96	139	145
n-Butylbenzene	35	38	43	36
sec-Butylbenzene	6.9 J	8.2 J	11.8 J	<12
Ethylbenzene	580	330	570	670
Isopropylbenzene	27.5	15.2	25.4	25.8 J
Naphthalene	195	330	710	420
n-Propylbenzene	75	38	62	70
Toluene	38	33	34 J	38
p-Isopropyltoluene	3.5 J	4.2 J	<0.17	<11
1,2,4-TMB	1030	1,270	2,150	1,870
1,3,5-TMB	274	350	560	460
Xylene (Total)	2,320	2,870	4,680	3,600
Chloroform	<0.28	<0.28	6.4 J	<4.3

MW-4	3/28/14	6/27/14	10/2/14	12/30/14
Benzene	9.8 J	<4.8	4.8 J	NS
n-Butylbenzene	34	16.4 J	16.7	NS
sec-Butylbenzene	9.8 J	<6.6	8.1 J	NS
Ethylbenzene	590	125	234	NS
Isopropylbenzene	31.6 J	8.0 J	13.5	NS
Naphthalene	700	281	620	NS
n-Propylbenzene	76	18.2	35	NS
p-Propylbenzene	8.2 J	<6.2	5.3 J	NS
1,2,4-TMB	2,160	840	1,550	NS
1,3,5-TMB	79 J	61 J	37 J	NS
Xylene (Total)	2,175	639.2 J	1,086	NS

W-10	3/28/14	6/26/14	10/2/14	12/30/14
Benzene	0.36	<0.24	<0.24	NS
MTBE	<0.23	<0.23	0.51 J	NS

MW-5	3/28/14	6/27/14	10/2/14	12/30/14
Benzene	164	137	183	NS
n-Butylbenzene	88	102	93	NS
sec-Butylbenzene	17 J	<16.5	15.8 J	NS
Ethylbenzene	790	276	650	NS
Isopropylbenzene	44 J	20.5 J	35	NS
Naphthalene	1,010	600	530	NS
n-Propylbenzene	126	45	90	NS
Toluene	440	312	400	NS
1,2,4-TMB	2,840	2,410	2,640	NS
1,3,5-TMB	730	810	820	NS
Xylene (Total)	10,870	8,060	10,800	NS

W-11	3/28/14	6/26/14	10/2/14	12/30/14
MTBE	0.23 J	<0.23	<0.23	NS

MW-2	3/27/14	6/27/14	10/2/14	12/30/14
PCE	3.7	6.8	7.3	7.1
n-Butylbenzene	<0.35	0.54 J	<0.35	<1
Naphthalene	<1.7	2.23 J	<1.7	<1.6
1,2,4-TMB	<2.2	8.2	<2.2	<1.6
1,3,5-TMB	<1.4	2.75 J	<1.4	<1.5
Xylene (Total)	<0.69	11.57	<0.69	<2.2

MW-8	3/28/14	6/26/14	10/2/14	12/30/14
PCE	570	90	740	630
TCE	16.7	14.9	22	32
cis-1,2-DCE	11.3 J	15.8	22.3	7.1 J
Vinyl Chloride	<1.8	<1.8	2.0 J	<1.7
Benzene	140	460	118	7.0 J
Ethylbenzene	30.2	11.6 J	38	<7.1
MTBE	<2.3	30.8	<2.3	<11
Naphthalene	<17	31.2 J	<17	<16
Xylene (Total)	23.7	<6.9	18.8 J	<22

Clark Station

MW-3d	3/28/14	6/27/14	10/1/14	12/30/14
cis-1,2-DCE	1.04 J	<0.38	0.69 J	0.58 J
trans-1,2-DCE	0.47 J	<0.35	<0.35	<0.54
Vinyl Chloride	14.2	<0.18	7.4	11.3
Benzene	29.6	0.51 J	15.6	25
Isopropylbenzene	<0.3	<0.3	0.30 J	<0.82
MTBE	33	0.48 J	24.9	33

W-13	3/27/14	6/27/14	10/1/14	12/30/14
PCE	107	47	96	80
TCE	81	51	45	54
cis-1,2-DCE	83	400	99	44
trans-1,2-DCE	45	97	42	23
1,1-DCE	10.3	47	<0.4	<3.25
Vinyl Chloride	209	24.5	60	33
Benzene	6.8	2.12	3.8 J	6.9 J
Isopropylbenzene	0.57 J	<0.3	<0.3	<4.1
MTBE	2.37	0.60 J	<0.23	<5.5
n-Propylbenzene	0.61 J	0.29 J	<0.25	<3.85
Xylene (Total)	<0.69	<0.69	9.9 J	<11

MW-13	11/3/14	12/31/14
PCE	470	570
TCE	108	199
cis-1,2-DCE	30.2	44.0
trans-1,2-DCE	5.7 J	7.8 J
MTBE	3.2 J	<11

PZ-2	3/28/14	6/26/14	10/2/14	12/30/14
PCE	9.9	0.57 J	<0.33	3.4
TCE	2.95	2.47	0.34 J	0.59 J
cis-1,2-DCE	0.56 J	1.4	0.78 J	2.48
trans-1,2-DCE	<0.35	<0.35	<0.35	0.57 J
MTBE	0.92	0.58 J	1.08	<1.1
Naphthalene	<1.7	<1.7	<1.7	2.02 J
1,2,4-TMB	<2.2	<2.2	<2.2	5.50
1,3,5-TMB	<1.4	<1.4	<1.4	3.2 J
Xylene (Total)	0.69 J	<0.69	<0.69	<2.2

MW-7	3/27/14	6/26/14	10/2/14	12/30/14
PCE	1.06	0.70 J	1.77	NS
TCE	1.52	0.72 J	3.8	NS
cis-1,2-DCE	4.1	<0.38	9.4	NS
Vinyl Chloride	0.34 J	<0.18	<0.18	NS
Benzene	52	51	27.4	NS
MTBE	0.75	1.08	1.43	NS
n-Propylbenzene	<0.25	0.35 J	<0.25	NS

MW-6	3/27/14	6/26/14	10/2/14	12/30/14
PCE	0.41 J	<0.33	<0.33	NS
TCE	0.46 J	0.36 J	<16.5	NS
cis-1,2-DCE	<0.38	0.56 J	0.56 J	NS
Chlorobenzene	<0.24	<0.24	0.4 J	NS
Benzene	4.1	20.3	40	NS
Ethylbenzene	4.9	5.9	33	NS
Isopropylbenzene	<0.3	<0.3	0.34 J	NS
n-Propylbenzene	<0.25	<0.25	0.78 J	NS
Toluene	<0.69	1.17 J	2.78	NS
1,2,4-TMB	<2.2	<2.2	3.03 J	NS
Xylene (Total)	6.01 J	7.94 J	32.19 J	NS

MW-12	7/11/14	10/2/14	12/30/14
All VOCs	ND	ND	ND

MW-12

MW-9	3/27/14	6/27/14	10/1/14	12/30/14
PCE	41	27.1	41	NS
TCE	7.5	4.9	7.2	NS
cis-1,2-DCE	42	4.7	4.7	NS
trans-1,2-DCE	1.24	<0.36	<0.36	NS
Vinyl Chloride	0.78	<0.18	0.24 J	NS
Benzene	0.29 J	<0.24	0.26 J	NS
MTBE	3.5	0.45 J	3.4	NS
1,1,1-TCA	0.66 J	1.84	3.11	NS

MW-10	3/27/14	6/26/14	10/1/14	12/30/14
All VOCs	ND	ND	ND	NS

MW-10

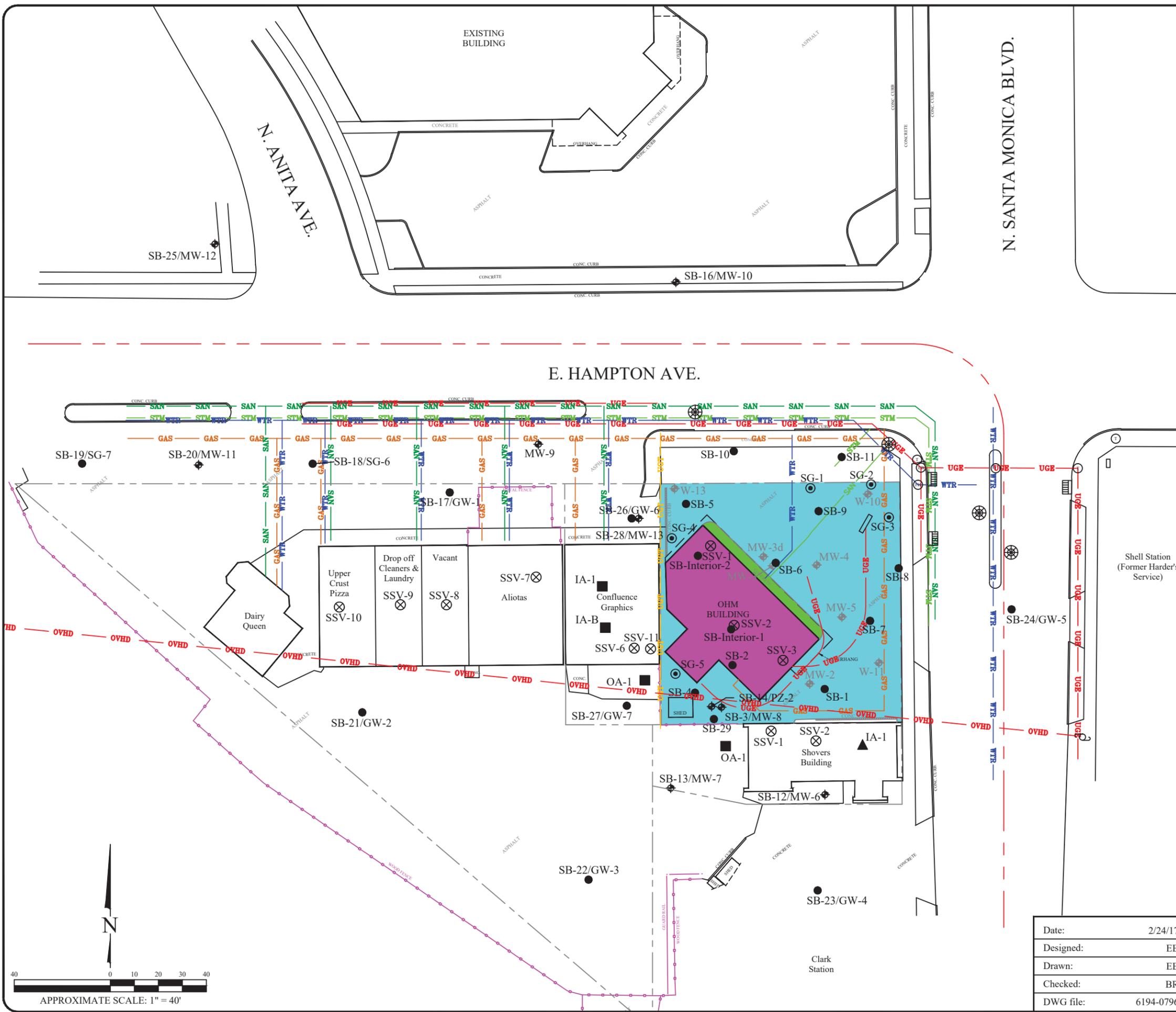
MW-11	7/11/14	10/1/14	12/30/14
All VOCs	ND	ND	ND

MW-11

APPROXIMATE SCALE: 1" = 40'

Legend

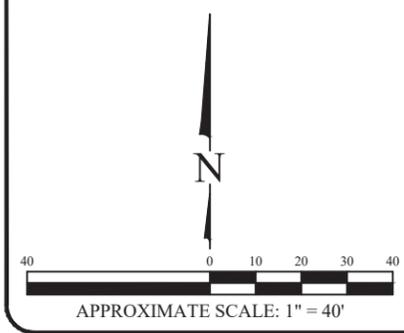
- Property boundary
- - - - - City of Milwaukee/Village Whitefish Bay boundary
- Fence line
- GAS Underground gas utility line
- WTR Underground water utility line
- SAN Underground sanitary utility line
- STM Underground storm utility line
- UGE Underground electrical utility line
- UGT Underground fiber optic line
- Utility Pole
- Catch Basin
- Manhole
- Fire hydrant
- Electrical box
- MW-1 Monitoring Well
- MW-1 Monitoring Well (By Others)
- SB-1 Soil Boring
- SG-1 Soil Gas sample
- SSV-1 Sub-Slab Vapor sample location
- OA-1 Outdoor air sample
- IA-1 Indoor air sample
- Building
- Asphalt cap
- Concrete cap



LOCATION AND EXTENT OF ASPHALT/ CONCRETE CAP

One Hour Martinizing Facility
285 East Hampton Avenue
Milwaukee, Wisconsin

Date:	2/24/17	<p>ENVIRONMENTAL FORENSIC INVESTIGATIONS, INC. 825 North Capitol Avenue • Indianapolis, IN 46204 EnviroForensics.com</p>	Figure
Designed:	EB		3
Drawn:	EB		Project
Checked:	BR		6194
DWG file:	6194-0796		





APPENDIX A

Continuing Obligations Inspection and Maintenance Log

Directions: In accordance with s. NR 727.05 (1) (b) 3., Wis. Adm. Code, use of this form for documenting the inspections and maintenance of certain continuing obligations is required. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31-19.39, Wis. Stats.]. When using this form, identify the condition that is being inspected. See the closure approval letter for this site for requirements regarding the submittal of this form to the Department of Natural Resources. A copy of this inspection log is required to be maintained either on the property, or at a location specified in the closure approval letter. Do NOT delete previous inspection results. This form was developed to provide a continuous history of site inspection results. The Department of Natural Resources project manager is identified in the closure letter. The project manager may also be identified from the database, BRRTS on the Web, at <http://dnr.wi.gov/botw/SetUpBasicSearchForm.do>, by searching for the site using the BRRTS ID number, and then looking in the "Who" section.

Activity (Site) Name	BRRTS No.
----------------------	-----------

Inspections are required to be conducted (see closure approval letter):

annually
 semi-annually
 other – specify _____

When submittal of this form is required, submit the form electronically to the DNR project manager. An electronic version of this filled out form, or a scanned version may be sent to the following email address (see closure approval letter):

Inspection Date	Inspector Name	Item	Describe the condition of the item that is being inspected	Recommendations for repair or maintenance	Previous recommendations implemented?	Photographs taken and attached?
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier <input type="checkbox"/> vapor mitigation system <input type="checkbox"/> other:			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier <input type="checkbox"/> vapor mitigation system <input type="checkbox"/> other:			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier <input type="checkbox"/> vapor mitigation system <input type="checkbox"/> other:			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier <input type="checkbox"/> vapor mitigation system <input type="checkbox"/> other:			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier <input type="checkbox"/> vapor mitigation system <input type="checkbox"/> other:			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier <input type="checkbox"/> vapor mitigation system <input type="checkbox"/> other:			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N

Continuing Obligations Inspection and Maintenance Log

Form 4400-305 (2/14)

Page 2 of 2

BRRTS No. _____

Activity (Site) Name _____

{Click to Add/Edit Image}

Date added:



Title:

{Click to Add/Edit Image}

Date added:

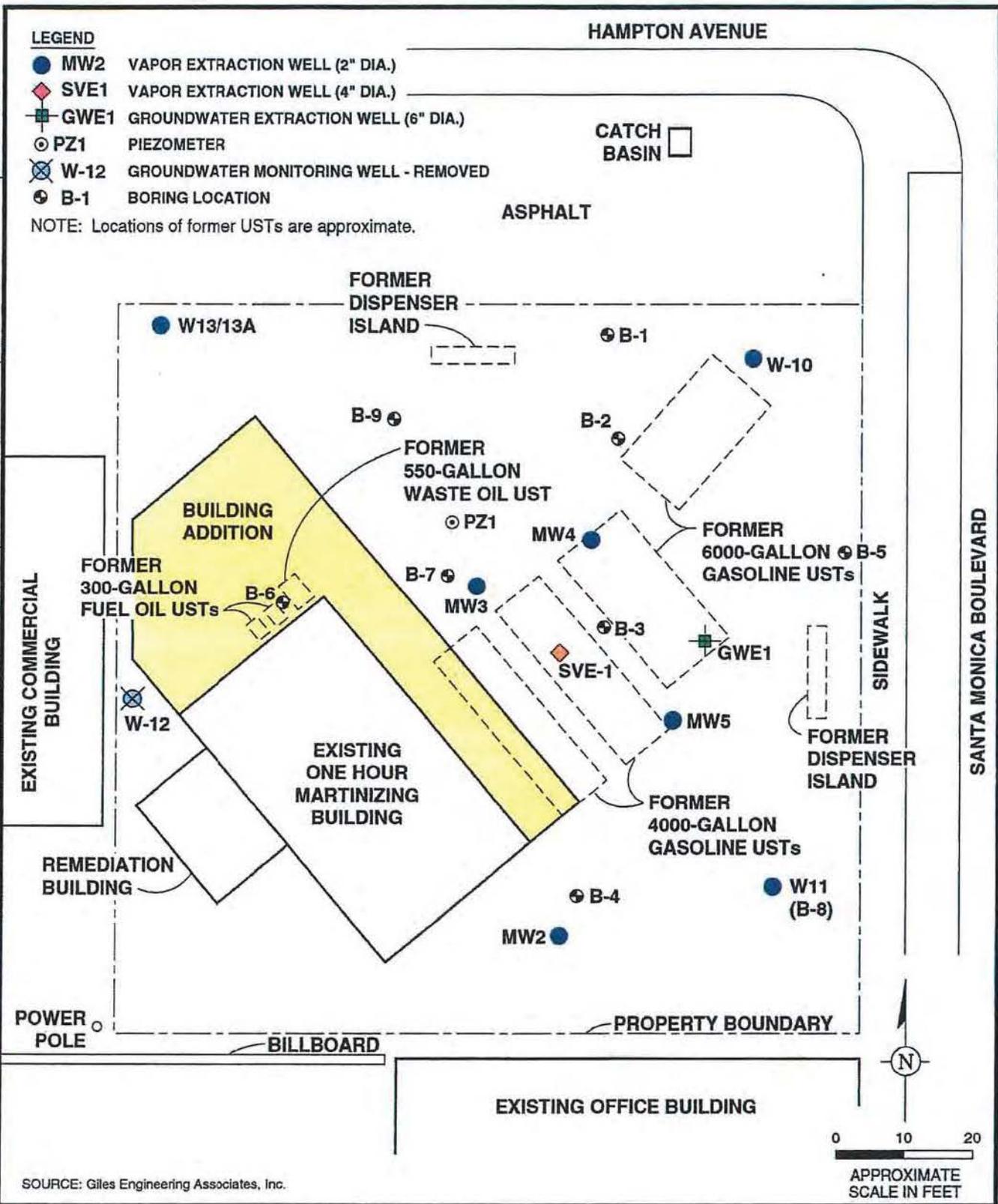
Title:

PN: ONEHRMARTW/05689/2000 | DWG DATE: 08FEB00 | FILE NO.: GRAPHICS | DRAWING: BORINGS.AI | CHECKED: EBRPF | APPROVED: | DRAFTER: ELS

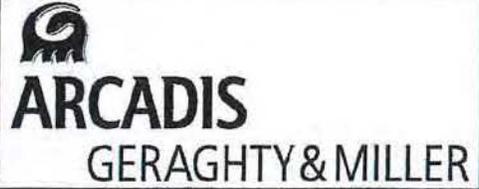
LEGEND

- MW2 VAPOR EXTRACTION WELL (2" DIA.)
- ◆ SVE1 VAPOR EXTRACTION WELL (4" DIA.)
- GWE1 GROUNDWATER EXTRACTION WELL (6" DIA.)
- ⊙ PZ1 PIEZOMETER
- ⊗ W-12 GROUNDWATER MONITORING WELL - REMOVED
- ⊕ B-1 BORING LOCATION

NOTE: Locations of former USTs are approximate.



SOURCE: Giles Engineering Associates, Inc.



**SOIL BORING AND
MONITORING WELL LOCATIONS**
 ONE HOUR MARTINIZING FACILITY
 MILWAUKEE, WISCONSIN

FIGURE
2

DRAWING: 3_99_BEN.A1 | CHECKED: JCVRAF | APPROVED: | DRAFTER: ELS

FILE NO.: GRAPHICS | PN: ONEHRMARIW0569/2000 | DWG DATE: 08FEB00

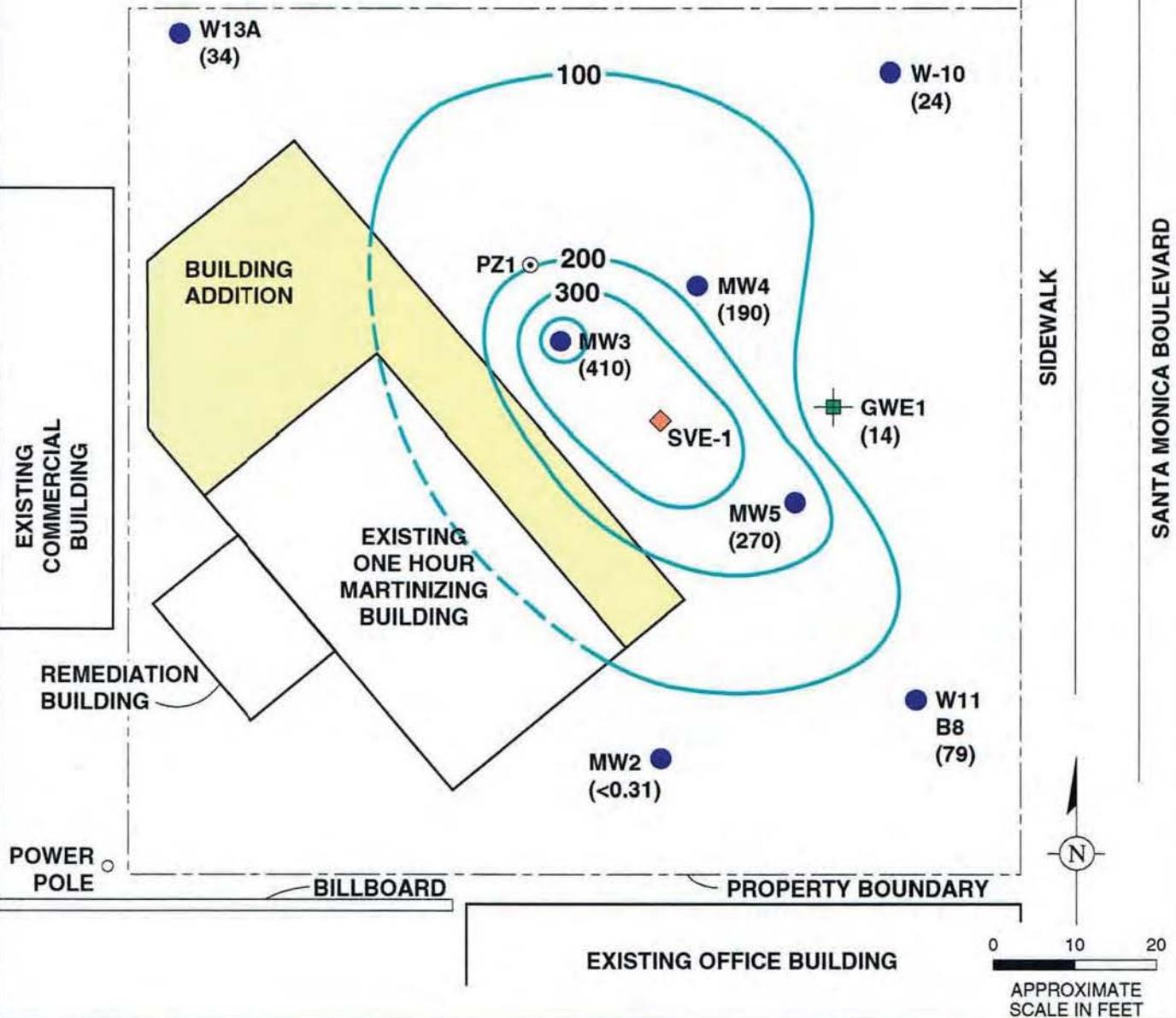
LEGEND

- MW2 VAPOR EXTRACTION WELL (2" DIA.)
- ◆ SVE1 VAPOR EXTRACTION WELL (4" DIA.)
- GWE1 GROUNDWATER EXTRACTION WELL (6" DIA.)
- PZ1 PIEZOMETER
- (100) BENZENE CONCENTRATION MICROGRAMS PER LITER (µg/L)
- 100 ——— CONTOUR INTERVAL (DASHED WHERE INFERRED)

HAMPTON AVENUE

CATCH BASIN □

ASPHALT



EXISTING COMMERCIAL BUILDING

BUILDING ADDITION

EXISTING ONE HOUR MARTINIZING BUILDING

REMEDIATION BUILDING

POWER POLE

BILLBOARD

PROPERTY BOUNDARY

EXISTING OFFICE BUILDING

SANTA MONICA BOULEVARD

SIDEWALK



0 10 20
APPROXIMATE SCALE IN FEET

**DISSOLVED BENZENE
ISOCONCENTRATION CONTOUR MAP
MARCH 1999**
ONE HOUR MARTINIZING FACILITY
MILWAUKEE, WISCONSIN

FIGURE
12

DRAFTER: ELSILMB

APPROVED:

CHECKED: EAB

DRAWING: BENZENE_CON.A1

FILE NO.: GRAPHICS

PN: ONEHRMARTW05692005

DWG DATE: 03FEB05

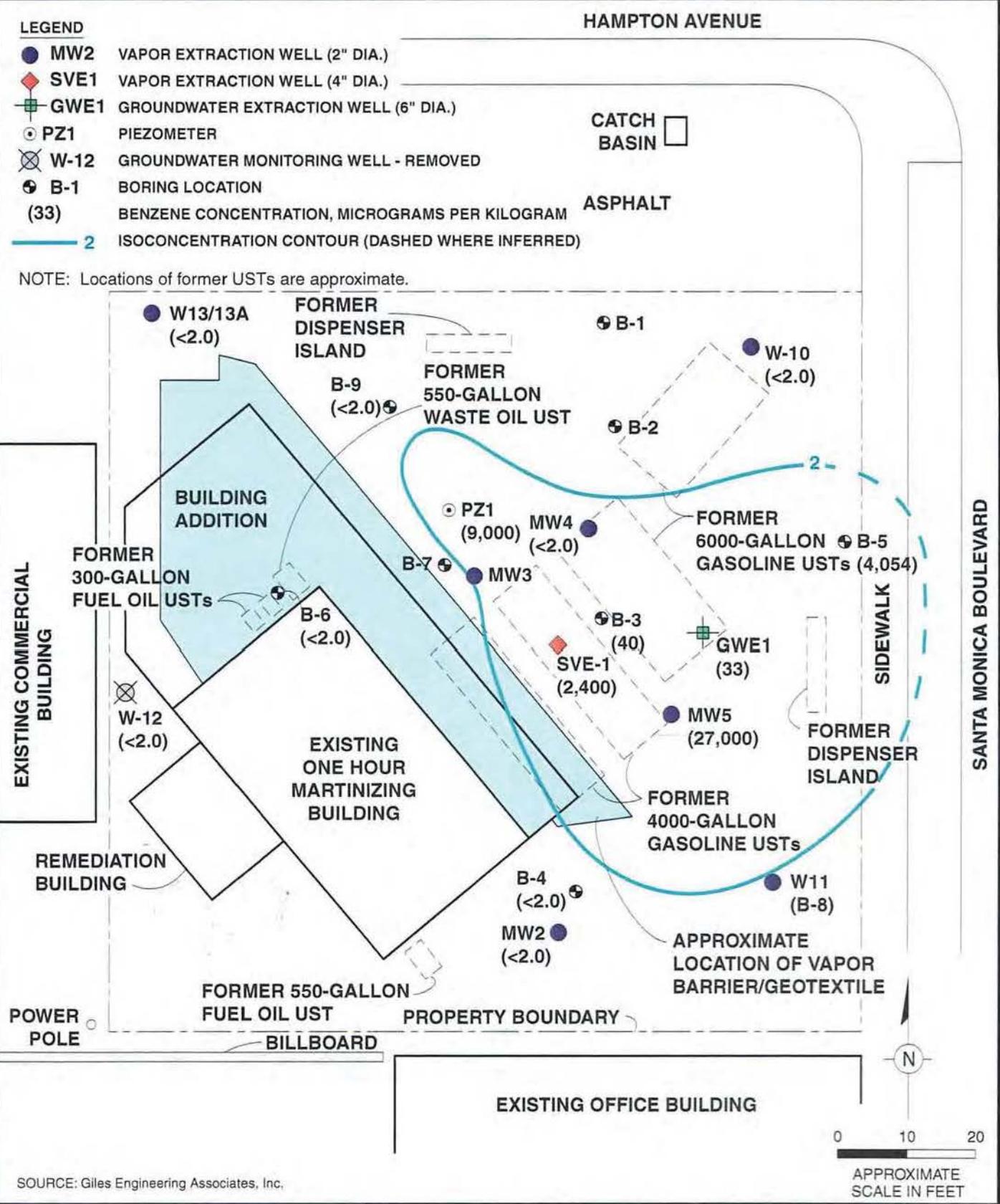
LEGEND

- MW2** VAPOR EXTRACTION WELL (2" DIA.)
- SVE1** VAPOR EXTRACTION WELL (4" DIA.)
- GWE1** GROUNDWATER EXTRACTION WELL (6" DIA.)
- PZ1** PIEZOMETER
- W-12

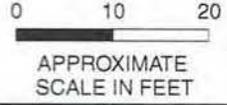
 W-12 GROUNDWATER MONITORING WELL - REMOVED
- B-1

 B-1 BORING LOCATION
- (33)** BENZENE CONCENTRATION, MICROGRAMS PER KILOGRAM
- 2** ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED)

NOTE: Locations of former USTs are approximate.



SOURCE: Giles Engineering Associates, Inc.



**SOIL BENZENE CONCENTRATIONS,
PRE-REMEDIATION CONDITIONS**

ONE HOUR MARTINIZING FACILITY
MILWAUKEE, WISCONSIN

FIGURE
1A

Legend

- Property boundary
- - - City of Milwaukee/Village Whitefish Bay boundary
- Fence line
- MW-1 Monitoring Well
- MW-1 Monitoring Well (By Others)
- Soil Boring groundwater sample

Analyte	Public Health Preventive Action Limit	Public Health Enforcement Standard
PCE	0.5	5
TCE	0.5	5
cis-1,2-DCE	7	70
trans-1,2-DCE	20	100
1,1-DCE	0.7	7
Vinyl Chloride	0.02	0.2
Chlorobenzene	20	100
Benzene	0.5	5
n-Butylbenzene	NE	NE
sec-Butylbenzene	NE	NE
Ethylbenzene	140	700
Isopropylbenzene	NE	NE
MTBE	12	60
Naphthalene	10	100
n-Propylbenzene	NE	NE
Toluene	200	1,000
p-Isopropyltoluene	NE	NE
1,2,4-TMB	96	480
1,3,5-TMB	96	480
1,1,1-TCA	40	200
Xylene (Total)	1,000	10,000
Chloroform	0.60	6

Note:

1. Bolded and orange shaded values exceed the Public Health Enforcement Standard
2. Bolded and blue shaded values exceed the Public Health Preventive Action Limit
3. Bolded values are above detection limits
4. J = Estimated concentration above the detection limit but below the reporting limit
5. Samples analyzed using EPA SW-846 Method 8260
6. All results reported in units of micrograms per liter (ug/L)
7. PCE = Tetrachloroethylene
8. TCE = Trichloroethylene
9. 1,2,4-TMB = 1,2,4-Trimethylbenzene
10. 1,3,5-TMB = 1,3,5-Trimethylbenzene
11. MTBE = Methyl-tert-Butyl Ether
12. 1,1-DCE = 1,1-Dichloroethylene
13. 1,1,1-TCA = 1,1,1-Trichloroethane
14. ND = Not detected
15. NS = Not Sampled

GROUNDWATER ANALYTICAL RESULT MAP 2014

One Hour Martinizing Facility
285 East Hampton Avenue
Milwaukee, Wisconsin

ENVIRONMENTAL FORENSIC INVESTIGATIONS, INC.
602 N. Capitol Ave., Ste. 210 • Indianapolis, IN 46204
EnviroForensics.com

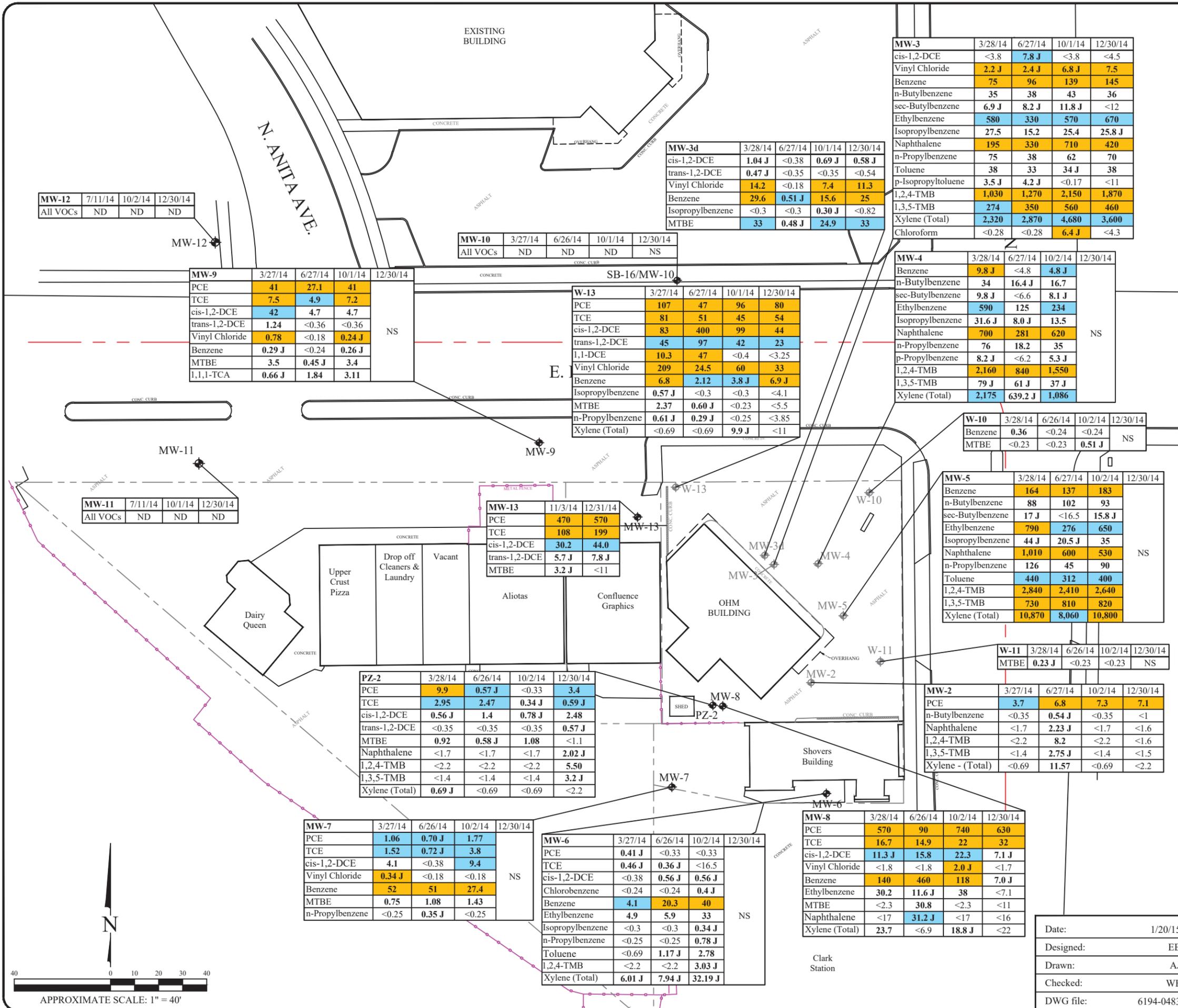
Figure

12

Project

6194

Date:	1/20/15
Designed:	EB
Drawn:	AJ
Checked:	WF
DWG file:	6194-0483



APPROXIMATE SCALE: 1" = 40'