

### Source Property Information

**BRRTS #:**

**ACTIVITY NAME:**

**PROPERTY ADDRESS:**

**MUNICIPALITY:**

**PARCEL ID #:**

**CLOSURE DATE:**

**FID #:**

**DATCP #:**

**PECFA#:**

**\*WTM COORDINATES:** X:  Y:

**WTM COORDINATES REPRESENT:**  
 Approximate Center Of Contaminant Source  
 Approximate Source Parcel Center

*\* Coordinates are in WTM83, NAD83 (1991)*

Please check as appropriate: (BRRTS Action Code)

### CONTINUING OBLIGATIONS

#### Contaminated Media for Residual Contamination:

- |  |   |
|--|---|
| <input type="checkbox"/> <u>Groundwater</u> Contamination > ES (236)<br><input type="checkbox"/> Contamination in ROW<br><input type="checkbox"/> Off-Source Contamination<br><i>(note: for list of off-source properties see "Impacted Off-Source Property Information, Form 4400-246")</i> | <input checked="" type="checkbox"/> <u>Soil</u> Contamination > *RCL or **SSRCL (232)<br><input type="checkbox"/> Contamination in ROW<br><input type="checkbox"/> Off-Source Contamination<br><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)<br><i>(note: soil contamination concentrations between non-industrial and industrial levels)</i> | <input checked="" type="checkbox"/> Cover or Barrier (222)<br><input checked="" type="checkbox"/> Direct Contact<br><input checked="" type="checkbox"/> Soil to GW Pathway      |
| <input checked="" type="checkbox"/> Structural Impediment (224)  | <input type="checkbox"/> Vapor Mitigation (226)   |
| <input type="checkbox"/> Site Specific Condition (228)   | <input type="checkbox"/> Maintain Liability Exemption (230)<br><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 #: 03-41-002225 (No Dashes) PARCEL ID #: 2420227000  
ACTIVITY NAME: ONE HOUR MARTINIZING WTM COORDINATES: X: 690279 Y: 294463

**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**

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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).

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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:**

State of Wisconsin  
DEPARTMENT OF NATURAL RESOURCES  
2300 N. Dr. Martin Luther King, Jr. Drive  
Milwaukee WI 53212-3128

Scott Walker, Governor  
Cathy Stepp, Secretary  
Telephone 608-266-2621  
Toll Free 1-888-936-7463  
TTY Access via relay - 711



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

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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

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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



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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

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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](mailto: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**

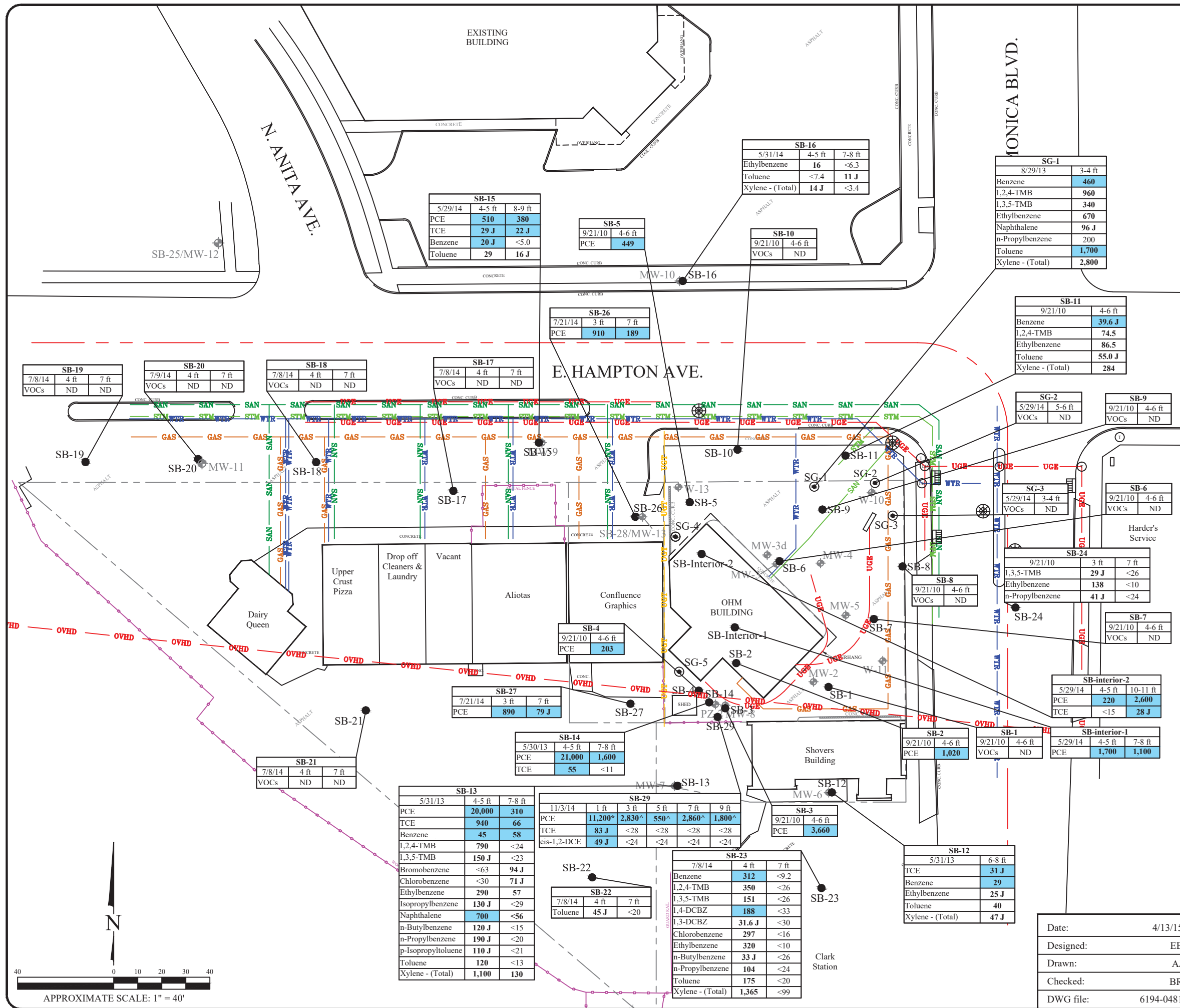
Site Owner and Operator: OHM Holdings, Inc.  
Brian Cass  
W229N2494 County Road F  
Waukesha, WI 53186-1104

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	<b>4.5</b>	<b>30,700</b>	<b>153,000</b>
TCE	<b>3.6</b>	<b>1,260</b>	<b>8,810</b>
cis-1,2-DCE	<b>41.2</b>	<b>156,000</b>	<b>2,040,000</b>
Benzene	<b>5.1</b>	<b>1,490</b>	<b>7,410</b>
1,2,4-TMB	<b>1,394</b>	<b>89,800</b>	<b>219,000</b>
1,3,5-TMB	<b>1,380</b>	<b>182,000</b>	<b>182,000</b>
Bromobenzene	<b>36.4</b>	<b>354,000</b>	<b>679,000</b>
1,4-DCBZ	<b>144</b>	<b>3,480</b>	<b>17,500</b>
1,3-DCBZ	<b>1,152.8</b>	<b>297,000</b>	<b>297,000</b>
Chlorobenzene	<b>98</b>	<b>392,000</b>	<b>761,000</b>
Ethylbenzene	<b>1,570</b>	<b>7,470</b>	<b>37,000</b>
Isopropylbenzene	NE	NE	NE
Naphthalene	<b>659</b>	<b>5,150</b>	<b>26,000</b>
n-Butylbenzene	NE	NE	NE
n-Propylbenzene	<b>1,970</b>	<b>264,000</b>	<b>264,000</b>
p-Isopropyltoluene	NE	<b>162,000</b>	<b>162,000</b>
Toluene	<b>1,384</b>	<b>818,000</b>	<b>818,000</b>
Xylene - (Total)	<b>19,700</b>	<b>258,000</b>	<b>258,000</b>

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-Dichlorobenzene
12. 1,3-Dichlorobenzene
13. ND = Not detected
14. VOCs = Volatile 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)

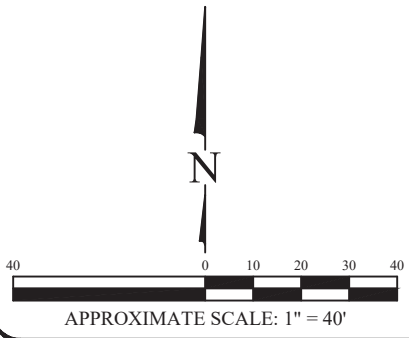
### SOIL SAMPLE ANALYTICAL RESULTS MAP

One Hour Martinizing Facility  
285 East Hampton Avenue  
Milwaukee, Wisconsin

Date:	4/13/15
Designed:	EB
Drawn:	AJ
Checked:	BR
DWG file:	6194-0481

ENVIRONMENTAL FORENSIC INVESTIGATIONS, INC.  
602 N. Capitol Ave., Ste. 210 • Indianapolis, IN 46204  
EnviroForensics.com

Figure	1
Project	6194



SB-15		
Date	4-5 ft	8-9 ft
5/29/14		
PCE	<b>510</b>	<b>380</b>
TCE	<b>29 J</b>	<b>22 J</b>
Benzene	<b>20 J</b>	<b>&lt;5.0</b>
Toluene	<b>29</b>	<b>16 J</b>

SB-5	
Date	4-6 ft
9/21/10	
PCE	<b>449</b>

SB-16		
Date	4-5 ft	7-8 ft
5/31/14		
Ethylbenzene	<b>16</b>	<b>&lt;6.3</b>
Toluene	<b>&lt;7.4</b>	<b>11 J</b>
Xylene - (Total)	<b>14 J</b>	<b>&lt;3.4</b>

SG-1	
Date	3-4 ft
8/29/13	
Benzene	<b>460</b>
1,2,4-TMB	<b>960</b>
1,3,5-TMB	<b>340</b>
Ethylbenzene	<b>670</b>
Naphthalene	<b>96 J</b>
n-Propylbenzene	<b>200</b>
Toluene	<b>1,700</b>
Xylene - (Total)	<b>2,800</b>

SB-19		
Date	4 ft	7 ft
7/8/14		
VOCs	ND	ND

SB-20		
Date	4 ft	7 ft
7/9/14		
VOCs	ND	ND

SB-18		
Date	4 ft	7 ft
7/8/14		
VOCs	ND	ND

SB-17		
Date	4 ft	7 ft
7/8/14		
VOCs	ND	ND

SB-26		
Date	3 ft	7 ft
7/21/14		
PCE	<b>910</b>	<b>189</b>

SB-11	
Date	4-6 ft
9/21/10	
Benzene	<b>39.6 J</b>
1,2,4-TMB	<b>74.5</b>
Ethylbenzene	<b>86.5</b>
Toluene	<b>55.0 J</b>
Xylene - (Total)	<b>284</b>

SB-9	
Date	4-6 ft
9/21/10	
VOCs	ND

SG-2	
Date	5-6 ft
5/29/14	
VOCs	ND

SB-4	
Date	4-6 ft
9/21/10	
PCE	<b>203</b>

SB-8	
Date	4-6 ft
9/21/10	
VOCs	ND

SB-24		
Date	3 ft	7 ft
9/21/10		
1,3,5-TMB	<b>29 J</b>	<b>&lt;26</b>
Ethylbenzene	<b>138</b>	<b>&lt;10</b>
n-Propylbenzene	<b>41 J</b>	<b>&lt;24</b>

SB-7	
Date	4-6 ft
9/21/10	
VOCs	ND

SB-interior-2		
Date	4-5 ft	10-11 ft
5/29/14		
PCE	<b>220</b>	<b>2,600</b>
TCE	<b>&lt;15</b>	<b>28 J</b>

SB-21		
Date	4 ft	7 ft
7/8/14		
VOCs	ND	ND

SB-27		
Date	3 ft	7 ft
7/21/14		
PCE	<b>890</b>	<b>79 J</b>

SB-14			
Date	4-5 ft	7-8 ft	
5/30/13			
PCE	<b>21,000</b>	<b>1,600</b>	
TCE	<b>55</b>	<b>&lt;11</b>	

SB-13			
Date	4-5 ft	7-8 ft	
5/31/13			
PCE	<b>20,000</b>	<b>310</b>	
TCE	<b>940</b>	<b>66</b>	
Benzene	<b>45</b>	<b>58</b>	
1,2,4-TMB	<b>790</b>	<b>&lt;24</b>	
1,3,5-TMB	<b>150 J</b>	<b>&lt;23</b>	
Bromobenzene	<b>&lt;63</b>	<b>94 J</b>	
Chlorobenzene	<b>&lt;30</b>	<b>71 J</b>	
Ethylbenzene	<b>290</b>	<b>57</b>	
Isopropylbenzene	<b>130 J</b>	<b>&lt;29</b>	
Naphthalene	<b>700</b>	<b>&lt;56</b>	
n-Butylbenzene	<b>120 J</b>	<b>&lt;15</b>	
n-Propylbenzene	<b>190 J</b>	<b>&lt;20</b>	
p-Isopropyltoluene	<b>110 J</b>	<b>&lt;21</b>	
Toluene	<b>120</b>	<b>&lt;13</b>	
Xylene - (Total)	<b>1,100</b>	<b>130</b>	

SB-29					
Date	1 ft	3 ft	5 ft	7 ft	9 ft
11/3/14					
PCE	<b>11,200*</b>	<b>2,830^</b>	<b>550^</b>	<b>2,860^</b>	<b>1,800^</b>
TCE	<b>83 J</b>	<b>&lt;28</b>	<b>&lt;28</b>	<b>&lt;28</b>	<b>&lt;28</b>
cis-1,2-DCE	<b>49 J</b>	<b>&lt;24</b>	<b>&lt;24</b>	<b>&lt;24</b>	<b>&lt;24</b>

SB-22		
Date	4 ft	7 ft
7/8/14		
Toluene	<b>45 J</b>	<b>&lt;20</b>

SB-23		
Date	4 ft	7 ft
7/8/14		
Benzene	<b>312</b>	<b>&lt;9.2</b>
1,2,4-TMB	<b>350</b>	<b>&lt;26</b>
1,3,5-TMB	<b>151</b>	<b>&lt;26</b>
1,4-DCBZ	<b>188</b>	<b>&lt;33</b>
1,3-DCBZ	<b>31.6 J</b>	<b>&lt;30</b>
Chlorobenzene	<b>297</b>	<b>&lt;16</b>
Ethylbenzene	<b>320</b>	<b>&lt;10</b>
n-Butylbenzene	<b>33 J</b>	<b>&lt;26</b>
n-Propylbenzene	<b>104</b>	<b>&lt;24</b>
Toluene	<b>175</b>	<b>&lt;20</b>
Xylene - (Total)	<b>1,365</b>	<b>&lt;99</b>

SB-3	
Date	4-6 ft
9/21/10	
PCE	<b>3,660</b>

SB-12	
Date	6-8 ft
5/31/13	
TCE	<b>31 J</b>
Benzene	<b>29</b>
Ethylbenzene	<b>25 J</b>
Toluene	<b>40</b>
Xylene - (Total)	<b>47 J</b>

# 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:

- 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 = Tetrachloroethylene
- TCE = Trichloroethylene
- 1,2,4-TMB = 1,2,4- Trimethylbenzene
- 1,3,5-TMB = 1,3,5- Trimethylbenzene
- MTBE = Methyl-tert-Butyl Ether
- 1,1-DCE = 1,1-Dichloroethylene
- 1,1,1-TCA = 1,1,1-Trichloroethane
- ND = Not detected
- 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	<b>7.8 J</b>	<3.8	<4.5
Vinyl Chloride	<b>2.2 J</b>	<b>2.4 J</b>	<b>6.8 J</b>	<b>7.5</b>
Benzene	<b>75</b>	<b>96</b>	<b>139</b>	<b>145</b>
n-Butylbenzene	<b>35</b>	<b>38</b>	<b>43</b>	<b>36</b>
sec-Butylbenzene	<b>6.9 J</b>	<b>8.2 J</b>	<b>11.8 J</b>	<12
Ethylbenzene	<b>580</b>	<b>330</b>	<b>570</b>	<b>670</b>
Isopropylbenzene	<b>27.5</b>	<b>15.2</b>	<b>25.4</b>	<b>25.8 J</b>
Naphthalene	<b>195</b>	<b>330</b>	<b>710</b>	<b>420</b>
n-Propylbenzene	<b>75</b>	<b>38</b>	<b>62</b>	<b>70</b>
Toluene	<b>38</b>	<b>33</b>	<b>34 J</b>	<b>38</b>
p-Isopropyltoluene	<b>3.5 J</b>	<b>4.2 J</b>	<0.17	<11
1,2,4-TMB	<b>1030</b>	<b>1,270</b>	<b>2,150</b>	<b>1,870</b>
1,3,5-TMB	<b>274</b>	<b>350</b>	<b>560</b>	<b>460</b>
Xylene (Total)	<b>2,320</b>	<b>2,870</b>	<b>4,680</b>	<b>3,600</b>
Chloroform	<0.28	<0.28	<b>6.4 J</b>	<4.3

MW-4	3/28/14	6/27/14	10/2/14	12/30/14
Benzene	<b>9.8 J</b>	<4.8	<b>4.8 J</b>	NS
n-Butylbenzene	<b>34</b>	<b>16.4 J</b>	<b>16.7</b>	NS
sec-Butylbenzene	<b>9.8 J</b>	<6.6	<b>8.1 J</b>	NS
Ethylbenzene	<b>590</b>	<b>125</b>	<b>234</b>	NS
Isopropylbenzene	<b>31.6 J</b>	<b>8.0 J</b>	<b>13.5</b>	NS
Naphthalene	<b>700</b>	<b>281</b>	<b>620</b>	NS
n-Propylbenzene	<b>76</b>	<b>18.2</b>	<b>35</b>	NS
p-Propylbenzene	<b>8.2 J</b>	<6.2	<b>5.3 J</b>	NS
1,2,4-TMB	<b>2,160</b>	<b>840</b>	<b>1,550</b>	NS
1,3,5-TMB	<b>79 J</b>	<b>61 J</b>	<b>37 J</b>	NS
Xylene (Total)	<b>2,175</b>	<b>639.2 J</b>	<b>1,086</b>	NS

W-10	3/28/14	6/26/14	10/2/14	12/30/14
Benzene	<b>0.36</b>	<0.24	<0.24	NS
MTBE	<0.23	<0.23	<b>0.51 J</b>	NS

MW-5	3/28/14	6/27/14	10/2/14	12/30/14
Benzene	<b>164</b>	<b>137</b>	<b>183</b>	NS
n-Butylbenzene	<b>88</b>	<b>102</b>	<b>93</b>	NS
sec-Butylbenzene	<b>17 J</b>	<16.5	<b>15.8 J</b>	NS
Ethylbenzene	<b>790</b>	<b>276</b>	<b>650</b>	NS
Isopropylbenzene	<b>44 J</b>	<b>20.5 J</b>	<b>35</b>	NS
Naphthalene	<b>1,010</b>	<b>600</b>	<b>530</b>	NS
n-Propylbenzene	<b>126</b>	<b>45</b>	<b>90</b>	NS
Toluene	<b>440</b>	<b>312</b>	<b>400</b>	NS
1,2,4-TMB	<b>2,840</b>	<b>2,410</b>	<b>2,640</b>	NS
1,3,5-TMB	<b>730</b>	<b>810</b>	<b>820</b>	NS
Xylene (Total)	<b>10,870</b>	<b>8,060</b>	<b>10,800</b>	NS

W-11	3/28/14	6/26/14	10/2/14	12/30/14
MTBE	<b>0.23 J</b>	<0.23	<0.23	NS

MW-2	3/27/14	6/27/14	10/2/14	12/30/14
PCE	<b>3.7</b>	<b>6.8</b>	<b>7.3</b>	<b>7.1</b>
n-Butylbenzene	<0.35	<b>0.54 J</b>	<0.35	<1
Naphthalene	<1.7	<b>2.23 J</b>	<1.7	<1.6
1,2,4-TMB	<2.2	<b>8.2</b>	<2.2	<1.6
1,3,5-TMB	<1.4	<b>2.75 J</b>	<1.4	<1.5
Xylene (Total)	<0.69	<b>11.57</b>	<0.69	<2.2

MW-8	3/28/14	6/26/14	10/2/14	12/30/14
PCE	<b>570</b>	<b>90</b>	<b>740</b>	<b>630</b>
TCE	<b>16.7</b>	<b>14.9</b>	<b>22</b>	<b>32</b>
cis-1,2-DCE	<b>11.3 J</b>	<b>15.8</b>	<b>22.3</b>	<b>7.1 J</b>
Vinyl Chloride	<1.8	<1.8	<b>2.0 J</b>	<1.7
Benzene	<b>140</b>	<b>460</b>	<b>118</b>	<b>7.0 J</b>
Ethylbenzene	<b>30.2</b>	<b>11.6 J</b>	<b>38</b>	<7.1
MTBE	<2.3	<b>30.8</b>	<2.3	<11
Naphthalene	<17	<b>31.2 J</b>	<17	<16
Xylene (Total)	<b>23.7</b>	<6.9	<b>18.8 J</b>	<22

Clark Station

MW-3d	3/28/14	6/27/14	10/1/14	12/30/14
cis-1,2-DCE	<b>1.04 J</b>	<0.38	<b>0.69 J</b>	<b>0.58 J</b>
trans-1,2-DCE	<b>0.47 J</b>	<0.35	<0.35	<0.54
Vinyl Chloride	<b>14.2</b>	<0.18	<b>7.4</b>	<b>11.3</b>
Benzene	<b>29.6</b>	<b>0.51 J</b>	<b>15.6</b>	<b>25</b>
Isopropylbenzene	<0.3	<0.3	<b>0.30 J</b>	<0.82
MTBE	<b>33</b>	<b>0.48 J</b>	<b>24.9</b>	<b>33</b>

W-13	3/27/14	6/27/14	10/1/14	12/30/14
PCE	<b>107</b>	<b>47</b>	<b>96</b>	<b>80</b>
TCE	<b>81</b>	<b>51</b>	<b>45</b>	<b>54</b>
cis-1,2-DCE	<b>83</b>	<b>400</b>	<b>99</b>	<b>44</b>
trans-1,2-DCE	<b>45</b>	<b>97</b>	<b>42</b>	<b>23</b>
1,1-DCE	<b>10.3</b>	<b>47</b>	<0.4	<3.25
Vinyl Chloride	<b>209</b>	<b>24.5</b>	<b>60</b>	<b>33</b>
Benzene	<b>6.8</b>	<b>2.12</b>	<b>3.8 J</b>	<b>6.9 J</b>
Isopropylbenzene	<b>0.57 J</b>	<0.3	<0.3	<4.1
MTBE	<b>2.37</b>	<b>0.60 J</b>	<0.23	<5.5
n-Propylbenzene	<b>0.61 J</b>	<b>0.29 J</b>	<0.25	<3.85
Xylene (Total)	<0.69	<0.69	<b>9.9 J</b>	<11

MW-13	11/3/14	12/31/14
PCE	<b>470</b>	<b>570</b>
TCE	<b>108</b>	<b>199</b>
cis-1,2-DCE	<b>30.2</b>	<b>44.0</b>
trans-1,2-DCE	<b>5.7 J</b>	<b>7.8 J</b>
MTBE	<b>3.2 J</b>	<11

PZ-2	3/28/14	6/26/14	10/2/14	12/30/14
PCE	<b>9.9</b>	<b>0.57 J</b>	<0.33	<b>3.4</b>
TCE	<b>2.95</b>	<b>2.47</b>	<b>0.34 J</b>	<b>0.59 J</b>
cis-1,2-DCE	<b>0.56 J</b>	<b>1.4</b>	<b>0.78 J</b>	<b>2.48</b>
trans-1,2-DCE	<0.35	<0.35	<0.35	<b>0.57 J</b>
MTBE	<b>0.92</b>	<b>0.58 J</b>	<b>1.08</b>	<1.1
Naphthalene	<1.7	<1.7	<1.7	<b>2.02 J</b>
1,2,4-TMB	<2.2	<2.2	<2.2	<b>5.50</b>
1,3,5-TMB	<1.4	<1.4	<1.4	<b>3.2 J</b>
Xylene (Total)	<b>0.69 J</b>	<0.69	<0.69	<2.2

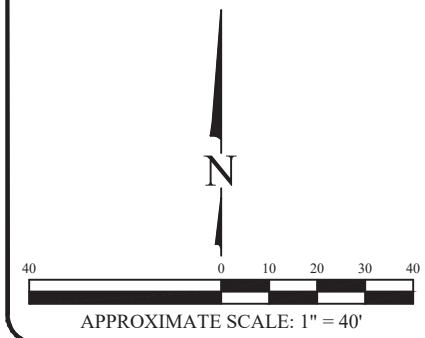
MW-7	3/27/14	6/26/14	10/2/14	12/30/14
PCE	<b>1.06</b>	<b>0.70 J</b>	<b>1.77</b>	NS
TCE	<b>1.52</b>	<b>0.72 J</b>	<b>3.8</b>	NS
cis-1,2-DCE	<b>4.1</b>	<0.38	<b>9.4</b>	NS
Vinyl Chloride	<b>0.34 J</b>	<0.18	<0.18	NS
Benzene	<b>52</b>	<b>51</b>	<b>27.4</b>	NS
MTBE	<b>0.75</b>	<b>1.08</b>	<b>1.43</b>	NS
n-Propylbenzene	<0.25	<b>0.35 J</b>	<0.25	NS

MW-6	3/27/14	6/26/14	10/2/14	12/30/14
PCE	<b>0.41 J</b>	<0.33	<0.33	NS
TCE	<b>0.46 J</b>	<b>0.36 J</b>	<16.5	NS
cis-1,2-DCE	<0.38	<b>0.56 J</b>	<b>0.56 J</b>	NS
Chlorobenzene	<0.24	<0.24	<b>0.4 J</b>	NS
Benzene	<b>4.1</b>	<b>20.3</b>	<b>40</b>	NS
Ethylbenzene	<b>4.9</b>	<b>5.9</b>	<b>33</b>	NS
Isopropylbenzene	<0.3	<0.3	<b>0.34 J</b>	NS
n-Propylbenzene	<0.25	<0.25	<b>0.78 J</b>	NS
Toluene	<0.69	<b>1.17 J</b>	<b>2.78</b>	NS
1,2,4-TMB	<2.2	<2.2	<b>3.03 J</b>	NS
Xylene (Total)	<b>6.01 J</b>	<b>7.94 J</b>	<b>32.19 J</b>	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	<b>41</b>	<b>27.1</b>	<b>41</b>	NS
TCE	<b>7.5</b>	<b>4.9</b>	<b>7.2</b>	NS
cis-1,2-DCE	<b>42</b>	<b>4.7</b>	<b>4.7</b>	NS
trans-1,2-DCE	<b>1.24</b>	<0.36	<0.36	NS
Vinyl Chloride	<b>0.78</b>	<0.18	<b>0.24 J</b>	NS
Benzene	<b>0.29 J</b>	<0.24	<b>0.26 J</b>	NS
MTBE	<b>3.5</b>	<b>0.45 J</b>	<b>3.4</b>	NS
1,1,1-TCA	<b>0.66 J</b>	<b>1.84</b>	<b>3.11</b>	NS

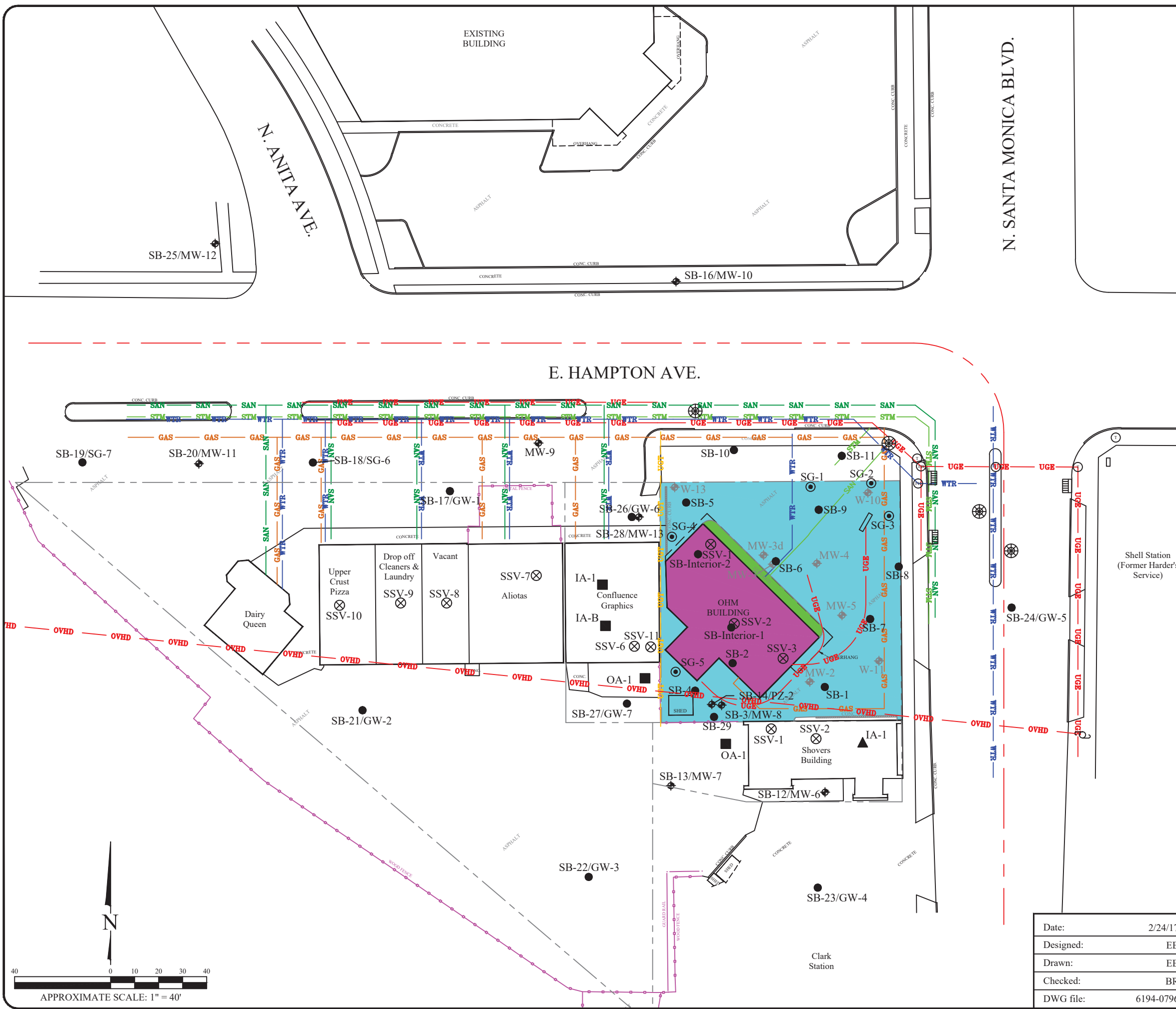
MW-11	7/11/14	10/1/14	12/30/14
All VOCs	ND	ND	ND





### 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-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): <input type="radio"/> annually <input type="radio"/> semi-annually <input type="radio"/> 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:

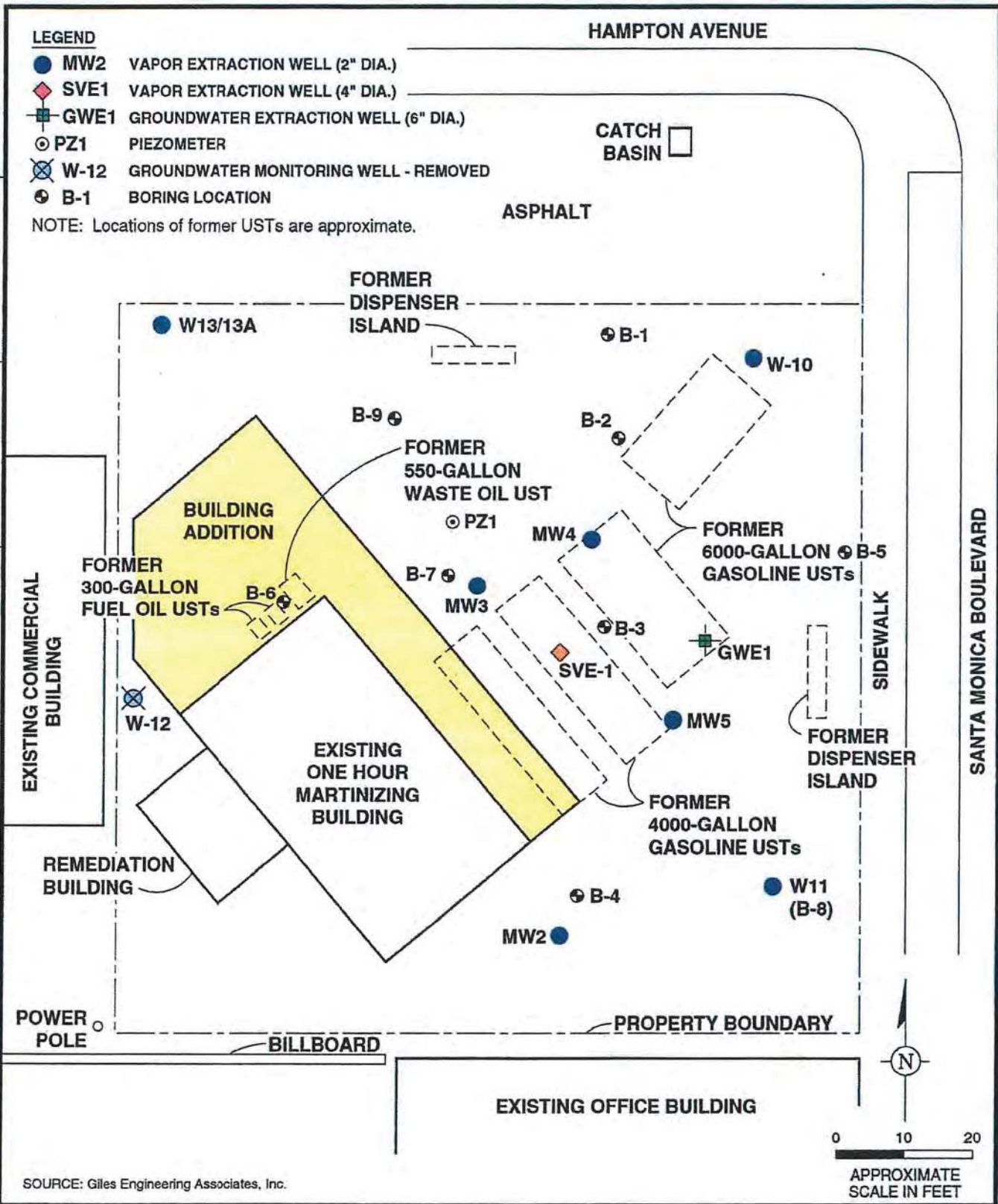
Title:

PN: ONEHRMARTW/05689/2000 | DWG DATE: 08FEB00 | FILE NO.: GRAPHICS | DRAWING: BORINGS.AI | CHECKED: EBRPF | APPROVED: | DRAFTER: ELS

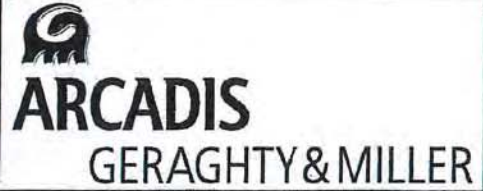
**LEGEND**

- 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**

DWG DATE: 08FEB00 | PN: ONEHRMARIW05692000 | FILE NO.: GRAPHICS | DRAWING: 3\_99\_BEN.A1 | CHECKED: JCYRAF | APPROVED: | DRAFTER: ELS

**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)

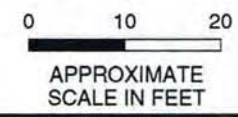
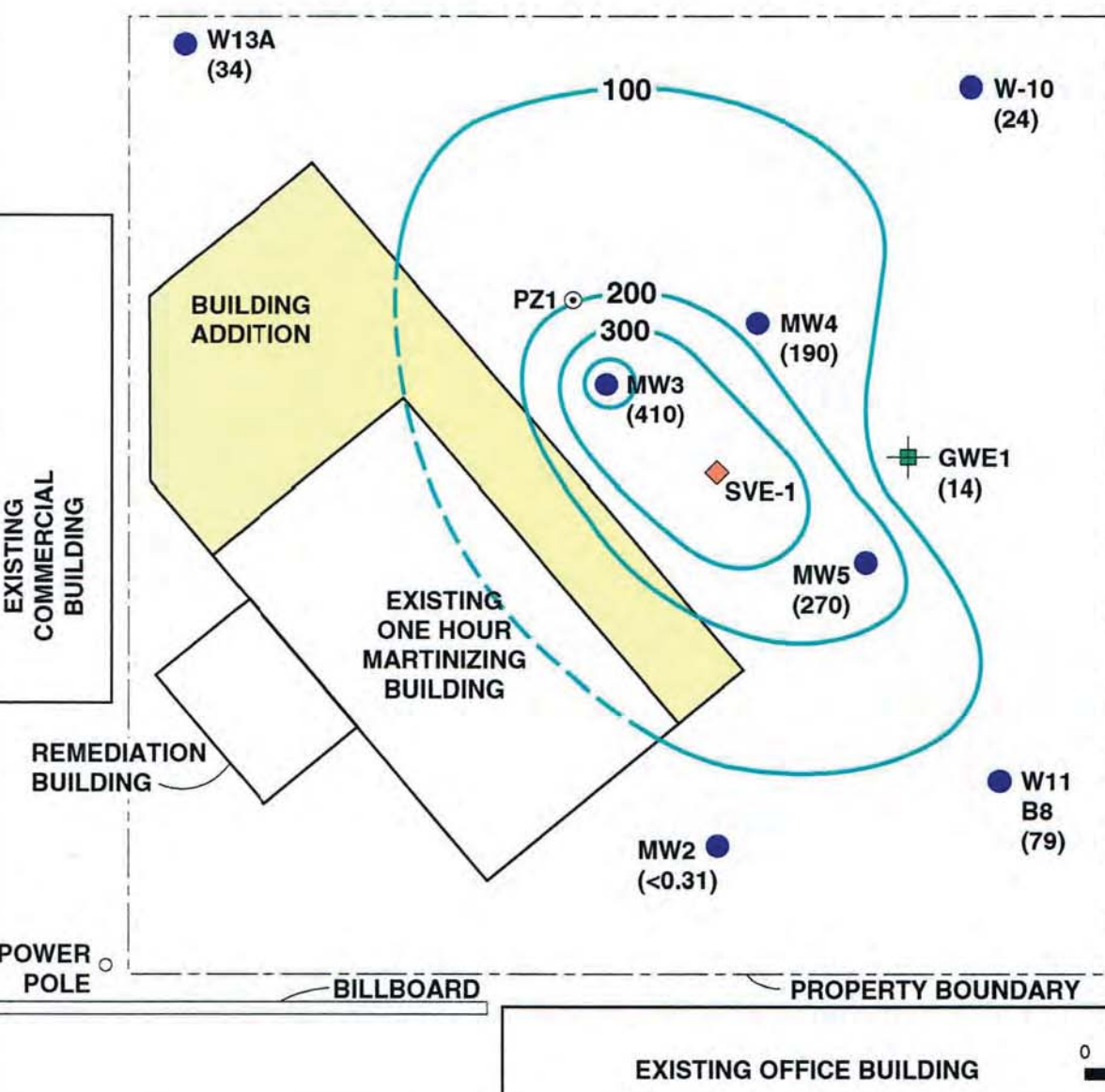
HAMPTON AVENUE

CATCH BASIN

ASPHALT

SIDEWALK

SANTA MONICA BOULEVARD



**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

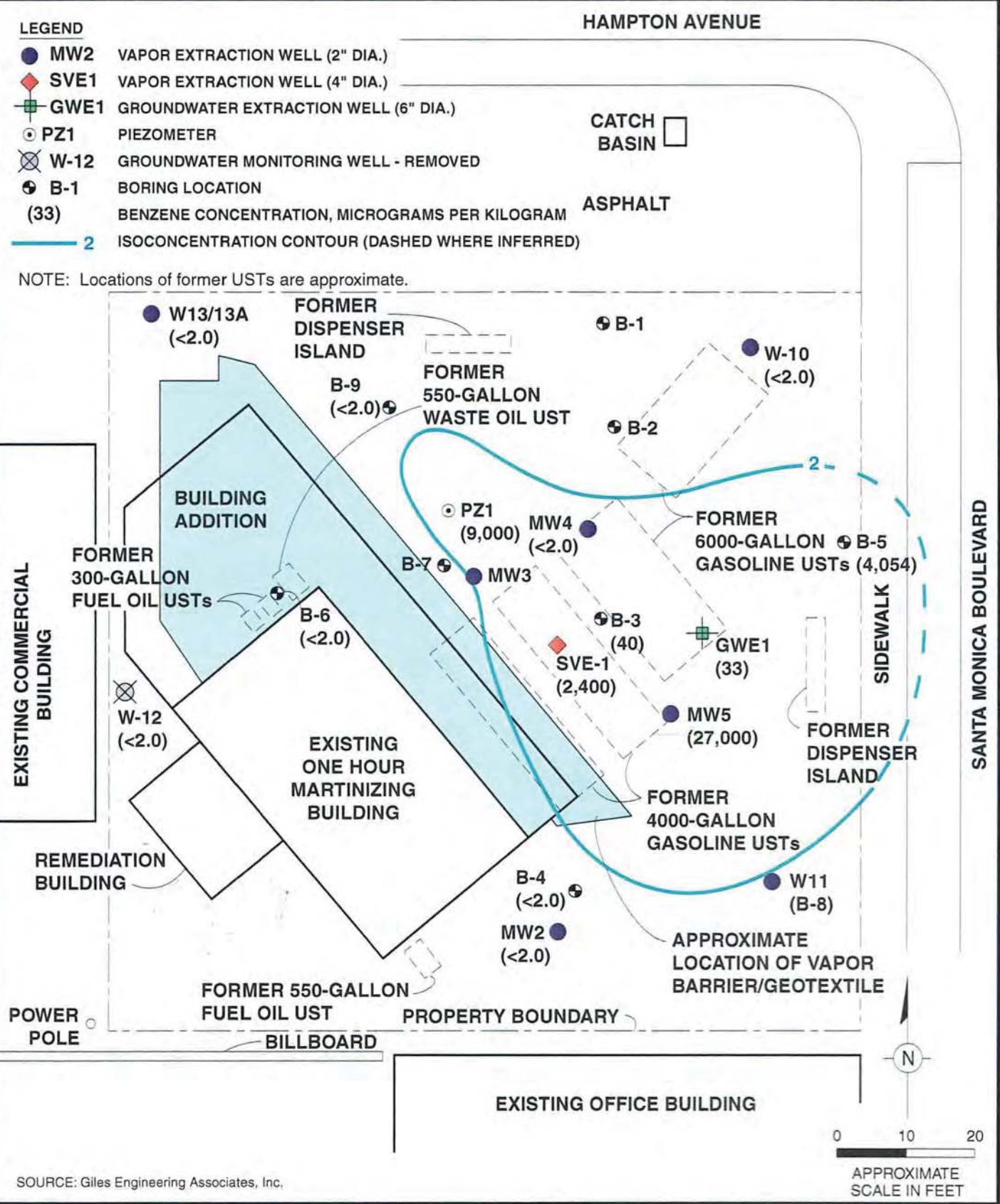
PN: ONEHRMARTW05692005

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** GROUNDWATER MONITORING WELL - REMOVED
- + **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.

0 10 20  
APPROXIMATE SCALE IN FEET



**SOIL BENZENE CONCENTRATIONS,  
PRE-REMEDICATION 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:
- 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 = Tetrachloroethylene
  - TCE = Trichloroethylene
  - 1,2,4-TMB = 1,2,4- Trimethylbenzene
  - 1,3,5-TMB = 1,3,5- Trimethylbenzene
  - MTBE = Methyl-tert-Butyl Ether
  - 1,1-DCE = 1,1-Dichloroethylene
  - 1,1,1-TCA = 1,1,1-Trichloroethane
  - ND = Not detected
  - NS = Not Sampled

## GROUNDWATER ANALYTICAL RESULT MAP 2014

One Hour Martinizing Facility  
285 East Hampton Avenue  
Milwaukee, Wisconsin



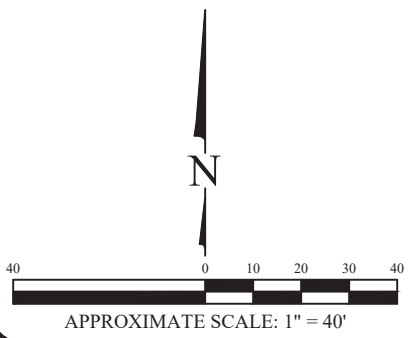
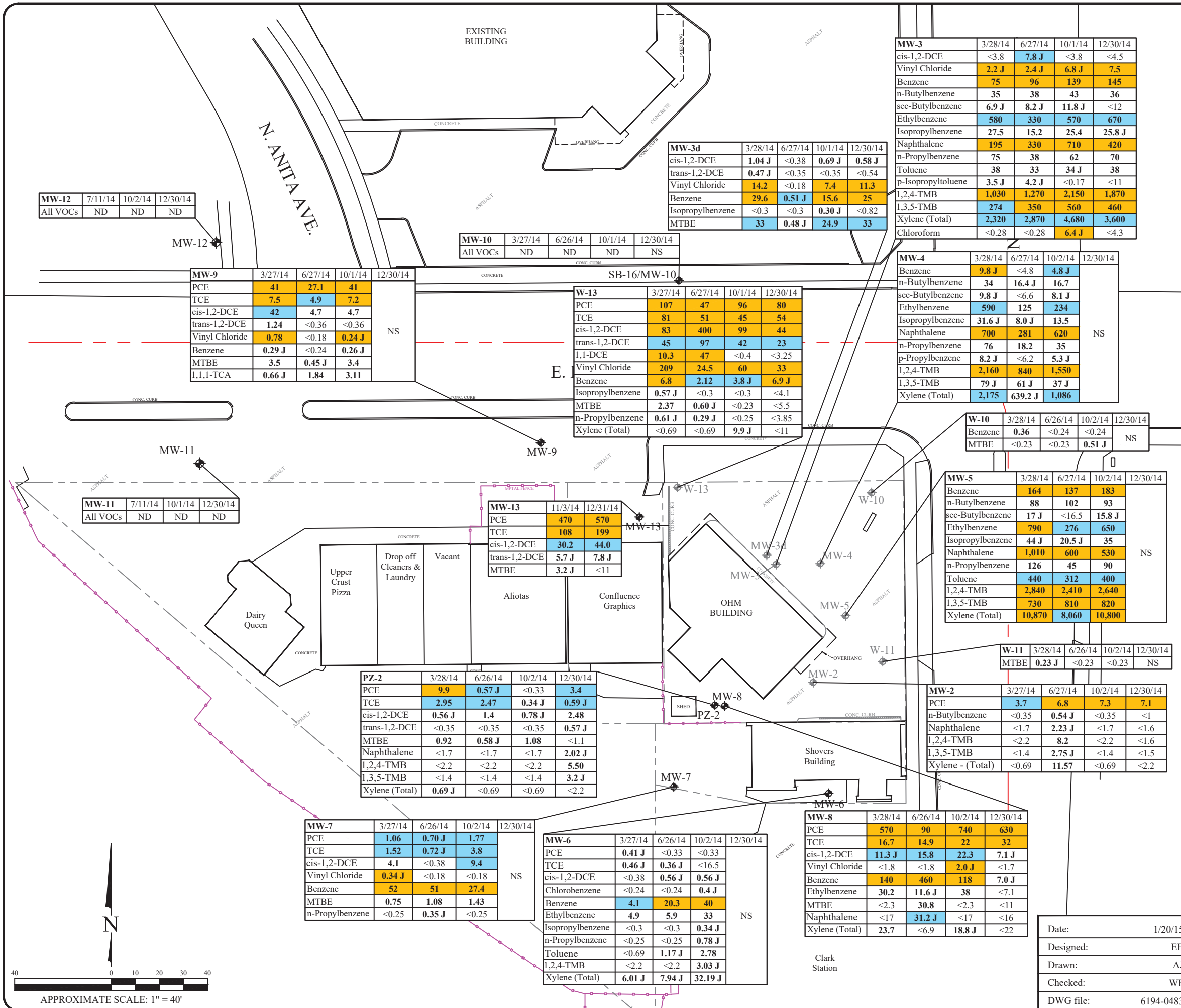
Figure

12

Project

6194

Date: 1/20/15  
Designed: EB  
Drawn: AJ  
Checked: WF  
DWG file: 6194-0483







State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor  
Scott Hassett, Secretary  
Gloria L. McCutcheon, Regional Director

Southeast Region Headquarters  
2300 N. Dr. Martin Luther King, Jr. Drive  
Milwaukee, Wisconsin 53212-3128  
FAX 414-263-8606  
Telephone 414-263-8500  
TTY Access via relay - 711

June 8, 2005

OHM Properties, LLC  
One Hour Martinizing  
ATTN: Charles & Brian Cass  
2751 Highway SS  
Pewaukee, WI 53072

Subject: Conditional Closure, One-Hour Martinizing Property, 285 East Hampton Avenue, Milwaukee, WI

FID: 241176650  
BRRTS: 03-41-002225  
PECFA: 53217-5803-85

Dear Sirs:

This letter revises the Department's letter of April 13, 2005 pertaining to the request for closure for the LUST activity. Unfortunately, there are chlorinated solvent and tetrachloroethene issues that haven't been addressed, as pointed out in the Department's April 13, 2005 letter. This letter only addresses the LUST activity for this site. A separate letter (enclosed) will address what steps are to be taken for the chlorinated solvent contamination.

On June 8, 2005, the Wisconsin Department of Natural Resources ("the Department") in cooperation with the Wisconsin Department of Commerce project manager (Greg Michael) reviewed the information provided by Arcadis February 28, 2005 submittal document and the Department's letter dated April 13, 2005. The Department reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After careful review of the closure request, the Department has determined that the petroleum contamination in soil and groundwater from the USTs located on the property appears to have been investigated and remediated to the extent practicable under site conditions. Your case meets the screening criteria of s. NR 746.07 or s. NR 746.08, Wis. Adm. Code, and the requirements of ch. NR 726, Wis. Adm. Code and will be closed if the following conditions are satisfied:

1. Submit a draft Deed Restriction as discussed in the Department's letter dated April 13, 2005. To close this site, the Department requires that a deed restriction be signed and recorded to address the issue of the remaining soil contamination associated with the site. The purpose of the restriction is to address residual soil contamination left in-place due to a building or other structural impediment that prevented the completion of an investigation to determine the degree and extent of residual contaminants, residual soil contamination within an engineered containment structure, that the soil cover or cap, such as concrete or asphalt pavement, or composite cap or engineered containment structure will be repaired and maintained until it is no longer needed, and if soil in this

location (or these locations) is excavated in the future, the property owner at that time will be required to sample and analyze the excavated soil in order to determine whether the contamination still remains. The owner will also have to properly store, treat, or dispose of any excavated materials, based upon the results of that characterization, and take special precautions during excavation activities to prevent a direct contact threat to humans. The purpose of the notice is to notify all future owners that excavation of the contaminated soil may pose an inhalation or other direct contact hazard at the time of excavation.

2. Submit a Cap Maintenance Plan for the site along with the draft Deed Restriction for review and approval.

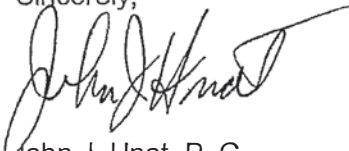
You will need to submit a draft deed restriction to me before the document is signed and recorded. You may find a model deed restriction enclosed for your use or visit our web site at [www.dnr.state.wi.us/org/rr](http://www.dnr.state.wi.us/org/rr). To assist us in our review of the deed restriction, you should submit a copy of the property deed to me along with the draft document. After the Department of Natural Resources has reviewed the draft document for completeness, you should sign it if you own the property, or have the appropriate property owner sign it, and have it recorded by the Milwaukee County Register of Deeds. Then you must submit a copy of the recorded document, with the recording information stamped on it, to me. Please be aware that if a deed restriction is recorded for the wrong property because of an inaccurate legal description that you have provided, you will be responsible for recording corrected documents at the Register of Deeds Office to correct the problem.

### **Groundwater Monitoring Wells**

The groundwater monitoring wells are not to be abandoned at this time. The degree and extent of chlorinated solvent groundwater contamination may require all of the site's wells.

If you have any questions or comments, please feel free to contact me at the above address or at (414) 263-8644. Please refer to the FID number at the top of this letter in any future correspondence. Future correspondence should be sent directly to the Remediation and Redevelopment Program Assistant Vicky Stovall (414-263-8688) at the above address.

Sincerely,



John J. Hnat, P. G.  
Senior Hydrogeologist  
Southeast Region  
Remediation and Redevelopment

C: Greg Michael, Commerce  
Marilyn Fleming, Success, Inc.  
Edmund Buc, Arcadis  
WDNR SER Files

Document Number

QUIT CLAIM DEED

DOC. #  
8711413

REGISTER'S OFFICE, 1 SS  
Milwaukee County, WI

RECORDED AT 2:25 PM

01-02-2004

JOHN LA FAVE  
REGISTER OF DEEDS

AMOUNT 11.00

REEL 5743

IMAGE 2281

This Deed is made between O.H.M. Limited Partnership 2, a Wisconsin limited partnership, Grantor, and O.H.M. Properties 3, LLC, a Wisconsin limited liability company, Grantee. Grantor quit claims to Grantee the following described real estate in Milwaukee County, State of Wisconsin:

285 E. Hampton, Milwaukee, Wisconsin

The West 100 feet of the East 176.15 feet of the South 100 feet of the North 157 feet of Lot 133 in Comstock and Williams Subdivision in the North East 1/4 of Section 5, in Township 7 North, Range 22 East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin.

This conveyance is exempt from transfer tax by virtue of Section 77.25(6m) of the Wisconsin Statutes.

Recording Area

Name and Return Address

Thomas P. Shannon  
Fox, O'Neill & Shannon, S.C.  
622 N. Water Street, Suite 500  
Milwaukee, Wisconsin 53202

242-0227-6

Parcel Identification Number (PIN)

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

Dated this 1<sup>st</sup> day of January 2004

O.H.M. LIMITED PARTNERSHIP 2

By: CHARLES CASS, LLC, General Partner

By: [Signature]  
Brian C. Cass, Manager

AUTHENTICATION

Signature(s) of Brian C. Cass

authenticated this 1<sup>st</sup> day of JANUARY 2004  
[Signature]

\* Thomas P. Shannon

TITLE: MEMBER STATE BAR OF WISCONSIN

THIS INSTRUMENT WAS DRAFTED BY

Thomas P. Shannon, Attorney-at-law  
Fox, O'Neill & Shannon, S.C.

(Signatures may be authenticated or acknowledged. Both are not necessary.)

ACKNOWLEDGMENT

STATE OF \_\_\_\_\_ )

\_\_\_\_\_ ) ss.

\_\_\_\_\_ County )

\_\_\_\_\_

Personally came before me this \_\_\_\_\_ day of \_\_\_\_\_

the above named \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

to me known to be the person(s) who executed the foregoing

instrument and acknowledged the same.

\_\_\_\_\_

Notary Public, State of \_\_\_\_\_

My Commission is permanent. (If not, state expiration date: \_\_\_\_\_)



PLAT OF SURVEY

THE WEST 100 FEET OF THE EAST 176.15 FEET OF THE SOUTH 436 FEET OF THE NORTH 157 FEET OF LOT 133, COAKSTOCK AND WILLIAMS SUBDIVISION OF LOTS 1, 2, 3, 4 AND 5, of Section 2 and the Southeast 1/4 of Section 2 and the Northwest 1/4 of Section 4, Town 7 North, Range 12 East, in the City of Milwaukee, Milwaukee County, Wisconsin.  
Address: 285 E. Hampton Avenue

Description	POINT TABLE			
	Northings	Eastings	Ground Elev.	P.C. Elev.
ms-1	409,208.25	2,508,261.28	643.75	
ms-2	409,208.57	2,508,829.89	643.15	
ms-2	409,246.41	2,508,825.71	643.53	642.85
ms-3	409,243.18	2,508,808.48	642.90	642.71
ms-3	409,289.40	2,508,811.22	642.85	642.69
ms-4	409,289.11	2,508,816.64	642.71	642.36
ms-5	409,308.13	2,508,839.19	642.75	642.54
ms-6	409,376.88	2,508,832.29	643.44	642.90
ms-7	409,372.11	2,508,787.87	643.28	642.87
ms-8	409,236.68	2,508,769.91	643.27	642.92
ms-9	409,338.97	2,508,772.72	641.57	641.13
ms-10	409,607.18	2,508,770.01	641.81	641.37
ms-11	409,374.68	2,508,772.47	641.49	642.00
ms-12	409,423.13	2,508,879.29	641.28	642.78
ms-13	409,208.87	2,508,724.15	642.56	642.18
w-10	409,219.19	2,508,843.33	642.56	641.99
w-11	409,149.12	2,508,854.24	642.65	642.28
w-12	409,251.44	2,508,784.48	642.59	641.83
st-2	409,271.02	2,508,784.93	643.33	642.97
st-1	409,272.88	2,508,858.05	642.29	
st-2	409,263.10	2,508,851.54	642.51	
st-3	409,269.48	2,508,858.72	642.48	
st-4	409,269.78	2,508,865.58	642.51	
st-5	409,244.64	2,508,793.28	642.46	
st-6	409,238.22	2,508,831.99	643.01	
st-7	409,238.87	2,508,771.99	642.36	
st-8	409,215.62	2,508,774.23	642.41	
st-9	409,200.57	2,508,811.82	642.85	
st-10	409,206.30	2,508,828.08	642.68	
st-11	409,228.83	2,508,794.19	642.51	
st-12	409,318.73	2,508,873.24	642.27	
st-13	409,333.20	2,508,879.81	641.49	
st-14	409,333.89	2,508,813.14	641.44	
st-15	409,229.58	2,508,833.55	642.34	
st-16	409,165.20	2,508,727.37	642.11	
st-17	409,184.03	2,508,832.26	641.19	
st-18	409,271.29	2,508,828.35	643.63	
st-19	409,308.83	2,508,723.88	642.53	
st-20	409,271.81	2,508,748.23	643.77	



- ⊕ - DENOTES MENTIONING WELL
- ⊕ - DENOTES SOIL GAS
- ⊕ - DENOTES SOIL BORING
- ⊕ - DENOTES SENSITIVE MANHOLE
- ⊕ - DENOTES CATCH BASIN
- ⊕ - DENOTES LIGHT BASE
- ⊕ - DENOTES UTILITY POLE
- ⊕ - DENOTES STREET LIGHT
- ⊕ - DENOTES TRAFFIC LIGHT
- ⊕ - DENOTES COMMUNICATION MANHOLE
- ⊕ - DENOTES ELECTRIC LED
- ⊕ - DENOTES GAS VALVE
- ⊕ - DENOTES WATER VALVE
- ⊕ - DENOTES CONTROL CABINET

NOTES:

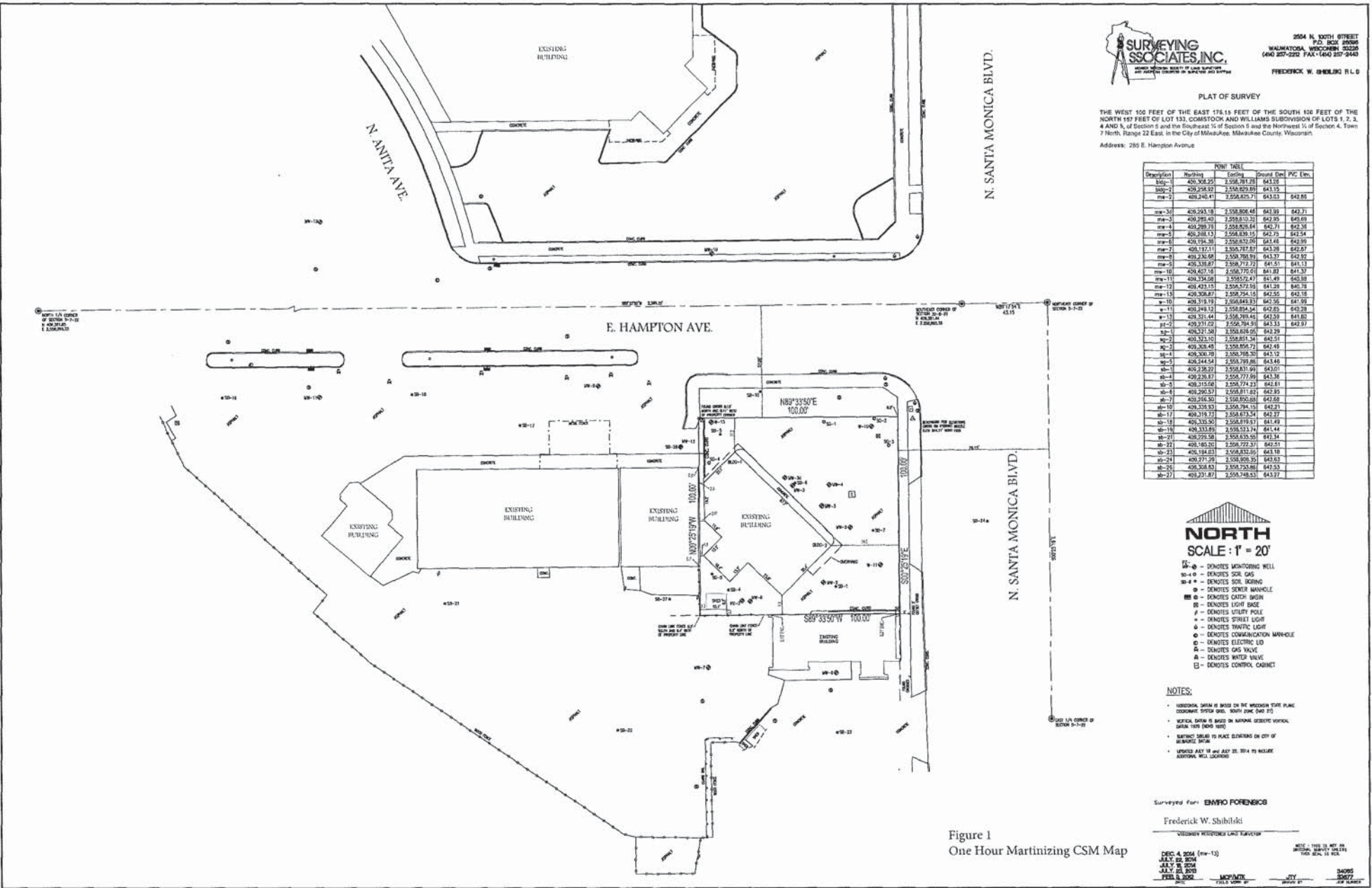
- HORIZONTAL DIMEN IS BASED ON THE WISCONSIN STATE PLANE COORDINATE SYSTEM (NAD 83) (DAD 12)
- VERTICAL DIMEN IS BASED ON NATIONAL GEODETIC VERTICAL DATUM 1985 (DAD 100)
- SURVEY POINTS TO PLACE ELEMENTS ON CITY OF MILWAUKEE PLAT
- LISTED MAY 18 AND JULY 22, 2014 TO INCLUDE ADDITIONAL WELL LOCATIONS

Surveyed for: **EMRO FORENSICS**  
Frederick W. Shibloski

DEC. 4, 2024 (ms-13)  
JULY 20, 2024  
JULY 20, 2024  
FEB. 8, 2024

NOTE: THIS IS NOT AN ORIGINAL SURVEY TABLE  
MCP/NITE  
JTY  
SABERS

Figure 1  
One Hour Martinizing CSM Map



**Responsible Party Statement**

**Parcel Identification No. 2420227000**

**285 East Hampton Avenue**

**Milwaukee, WI 53217**

---

The West 100 feet of the East 176.15 feet of the South 100 feet of the North 157 feet of Lot 133, Comstock and Williams Subdivision of Lots 1, 2, 3 4, and 5, of Section 5 and the Southeast ¼ of Section 5 and the Northwest ¼ of Section 4, Township 7 North, Range 22 East, in the City of Milwaukee, Milwaukee County, Wisconsin.

I, Brian Cass, believe that the legal description provided above accurately describes the contaminated property.

Signature: \_\_\_\_\_

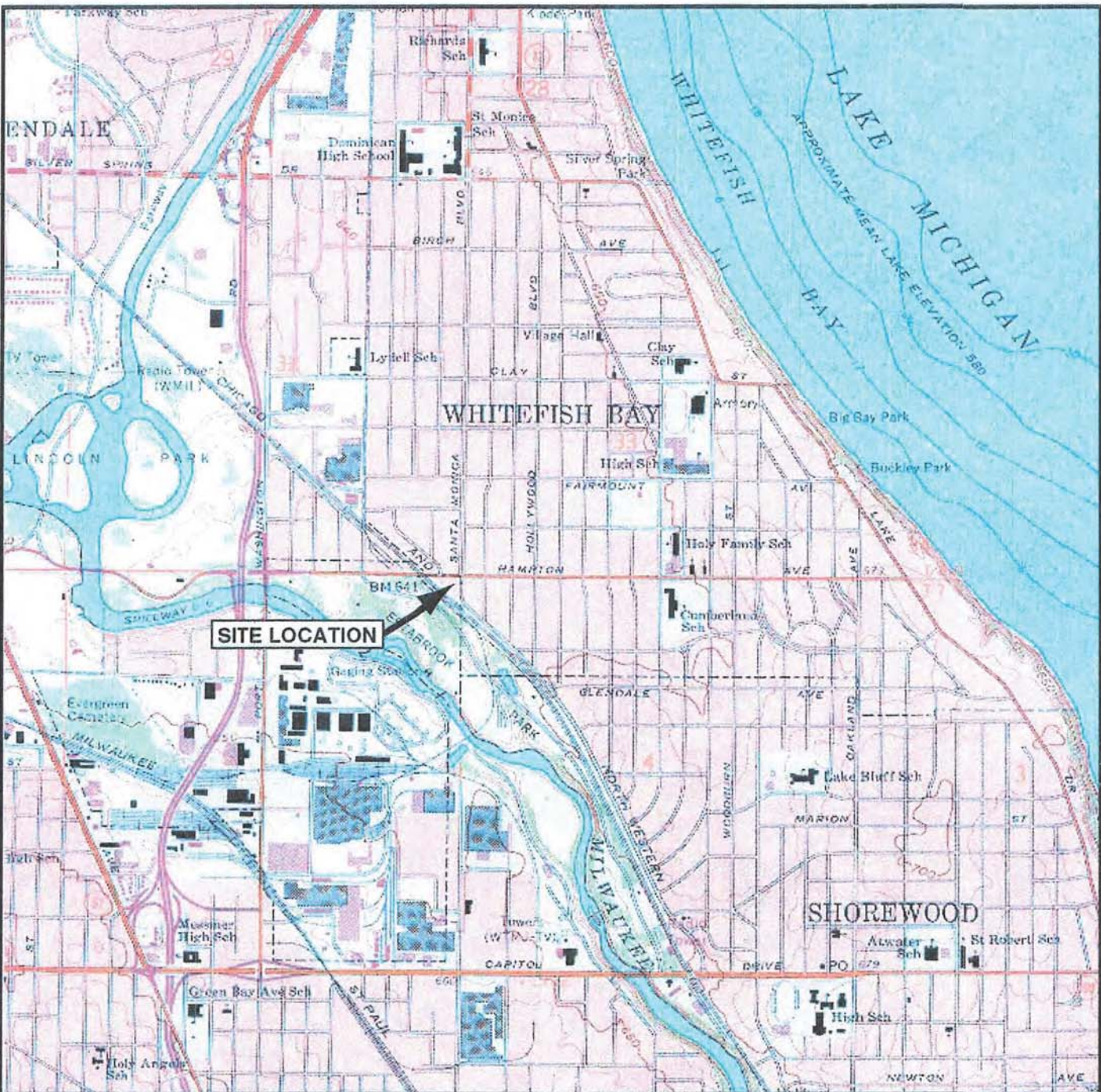
*Brian Cass*

Title: Owner

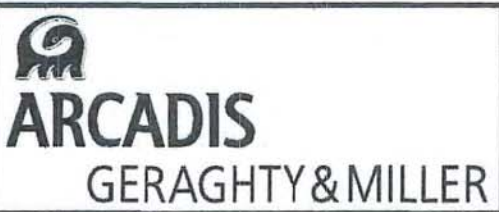
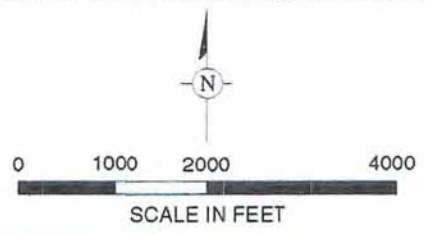
Date: \_\_\_\_\_

11 27 17

DWG DATE: 08FEB00 | PN: ONE-HR-MARWI0569/2000 | FILE NO.: GRAPHICS | DRAWING: SITE\_LOC.A1 | CHECKED: EAB | APPROVED: | DRAFTER: ELS



SOURCE: USGS 7.5 Minute Topographic Map, MILWAUKEE, WISCONSIN Quadrangle, 1971



**SITE LOCATION MAP**

ONE HOUR MARTINIZING FACILITY  
MILWAUKEE, WISCONSIN

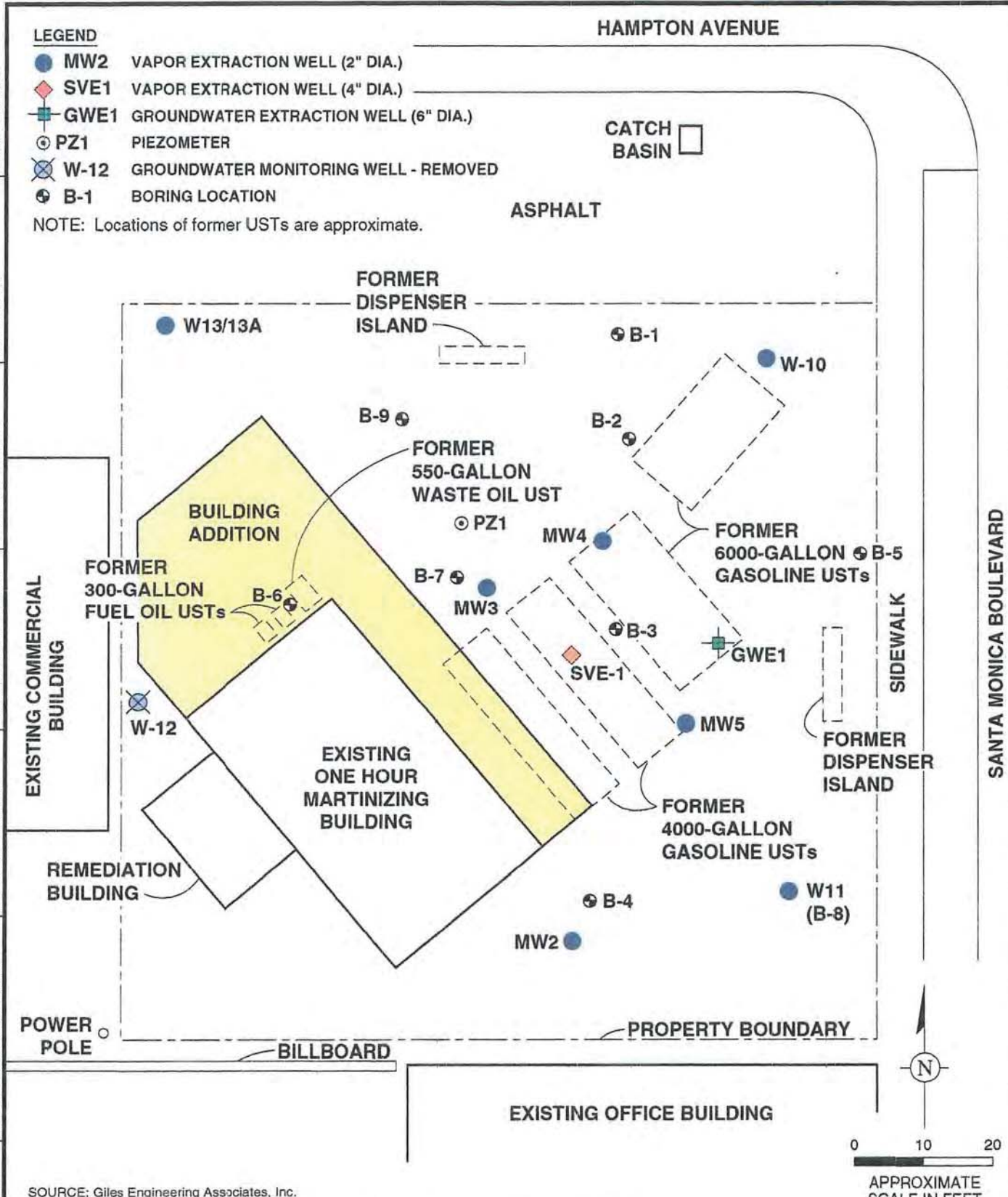
FIGURE  
**1**

DWG DATE: 08FEB00 | PN: ONEHRMAPRW1055692000 | FILE NO.: GRAPHICS | DRAWING: BORINGS.AI | CHECKED: EBNRPF | APPROVED: | DRAFTER: ELS

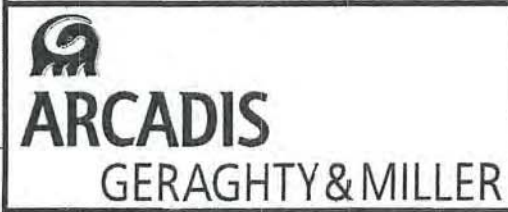
**LEGEND**

- 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

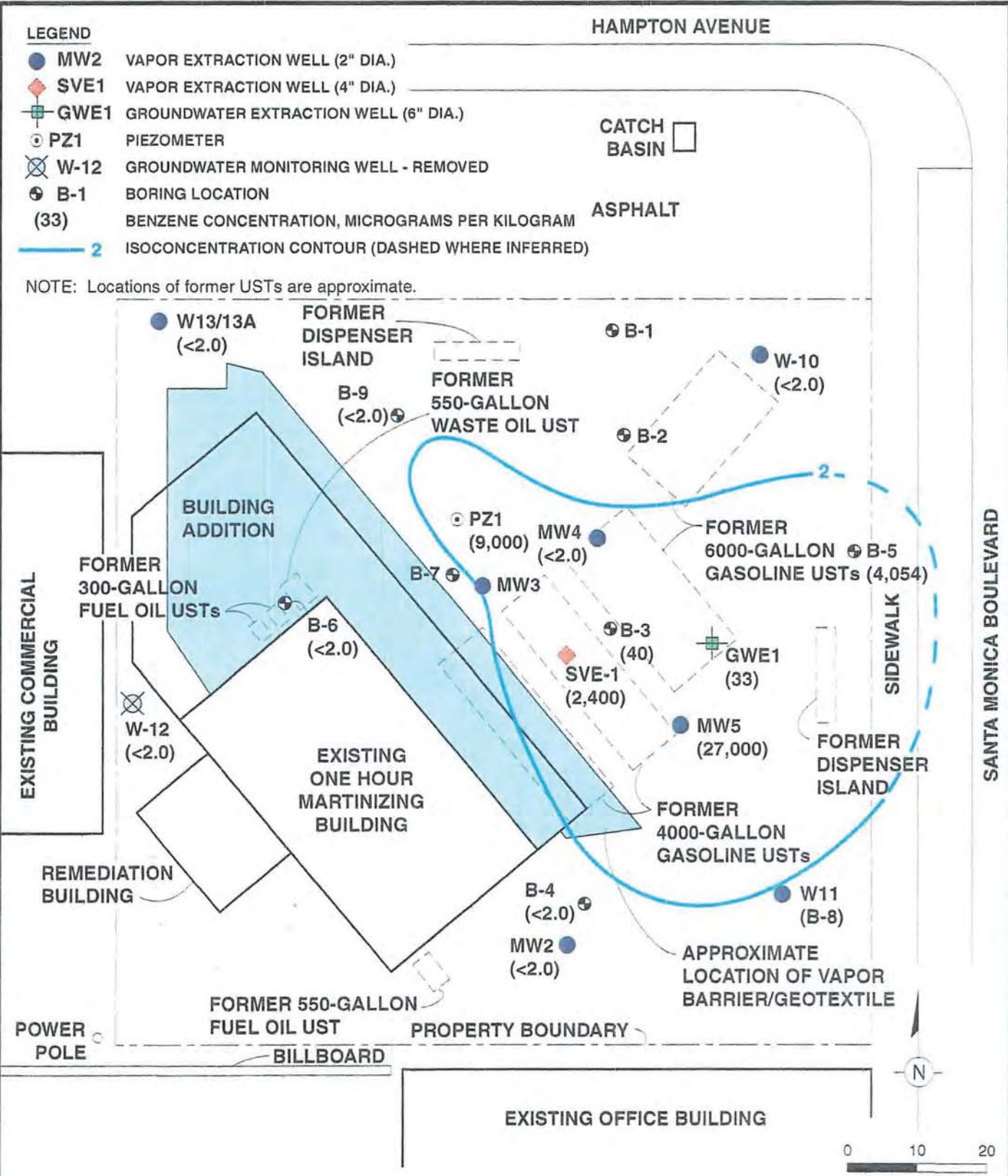
**2**

DRAFTER: ELSLMB  
 APPROVED:  
 CHECKED: EAB  
 FILE NO.: GRAPHICS  
 DRAWING: BENZENE\_CON.A1  
 P.N: ONE HOUR MARTINIZING FACILITY 05/09/2005  
 DWG DATE: 03/15/05

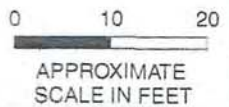
**LEGEND**

- 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
- (33) BENZENE CONCENTRATION, MICROGRAMS PER KILOGRAM
- 2 ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED)

NOTE: Locations of former USTs are approximate.



SOURCE: Giles Engineering Associates, Inc.



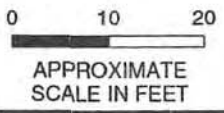
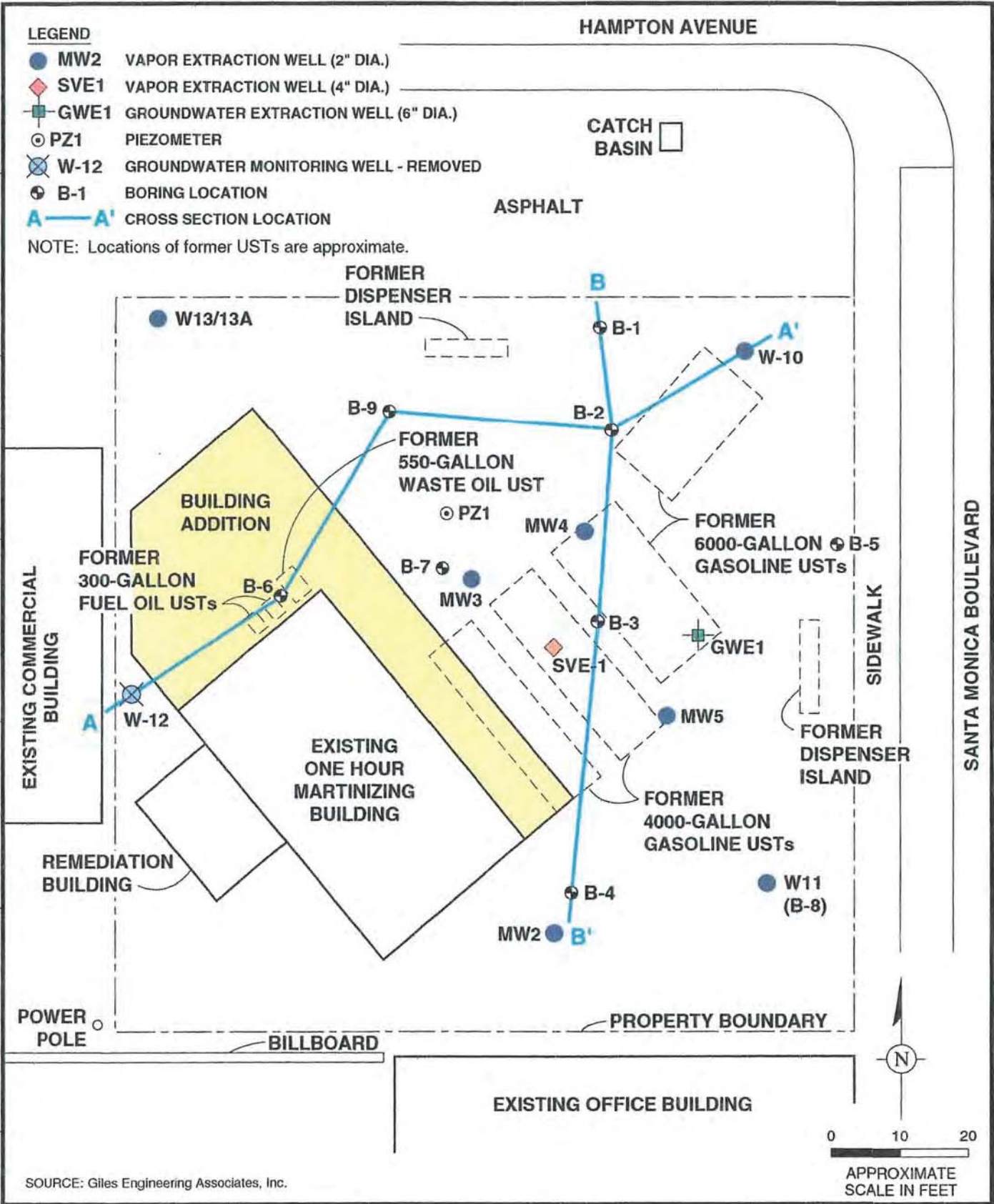
**SOIL BENZENE CONCENTRATIONS,  
PRE-REMEDIATION CONDITIONS**

ONE HOUR MARTINIZING FACILITY  
MILWAUKEE, WISCONSIN

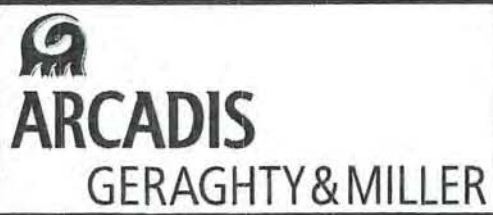
FIGURE  
**1A**



DWG DATE: 11FEB00 | PN: ONEHFMARW05692000 | FILE NO.: GRAPHICS | DRAWING: XSEC\_LOC.A1 | CHECKED: EBRPF | APPROVED: | DRAFTER: ELS



SOURCE: Giles Engineering Associates, Inc.



**PRE-REMEDIATION  
GEOLOGIC CROSS SECTION LOCATIONS**

ONE HOUR MARTINIZING FACILITY  
MILWAUKEE, WISCONSIN

FIGURE  
**3**

DRAFTER: ELS

APPROVED:

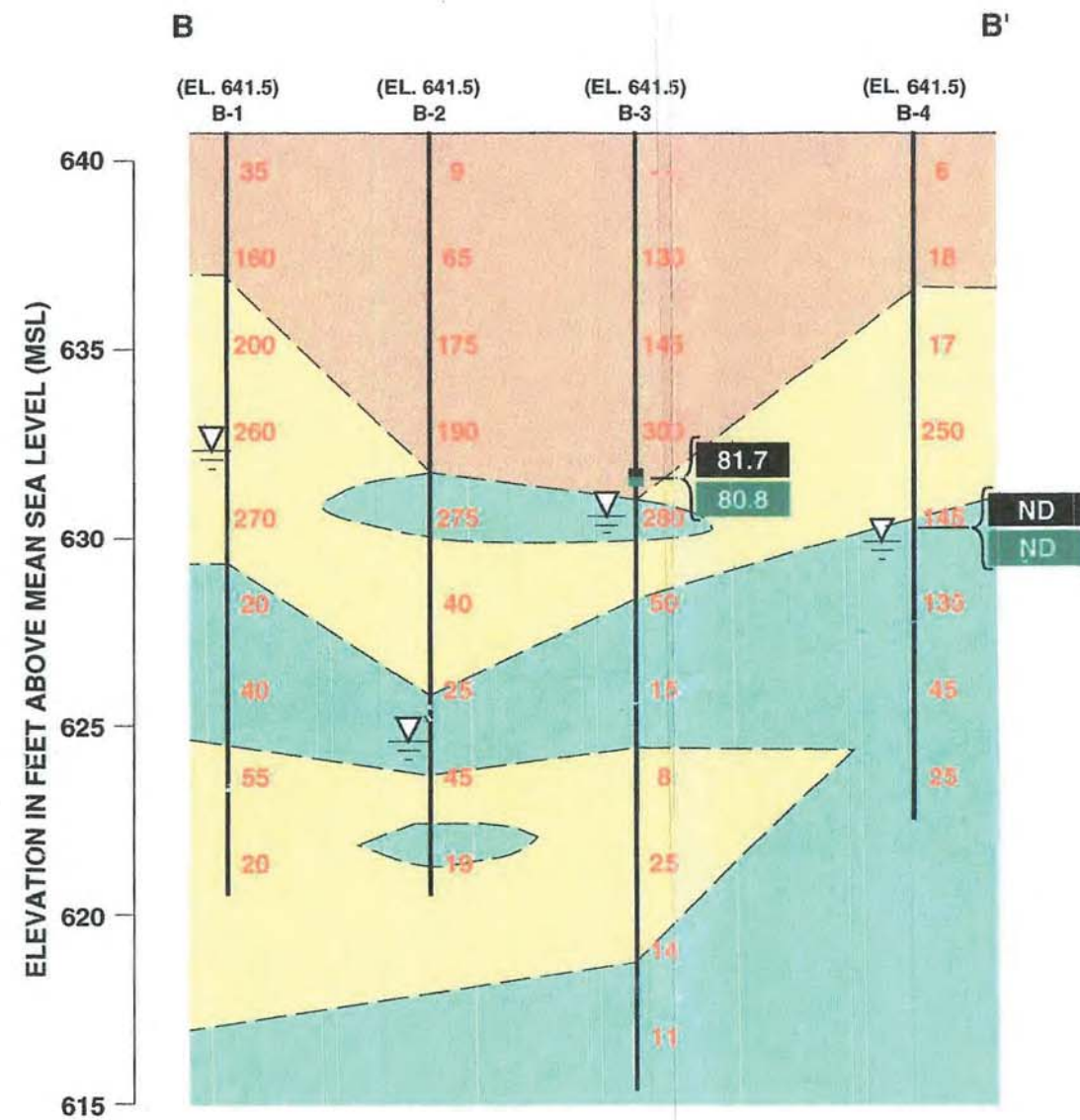
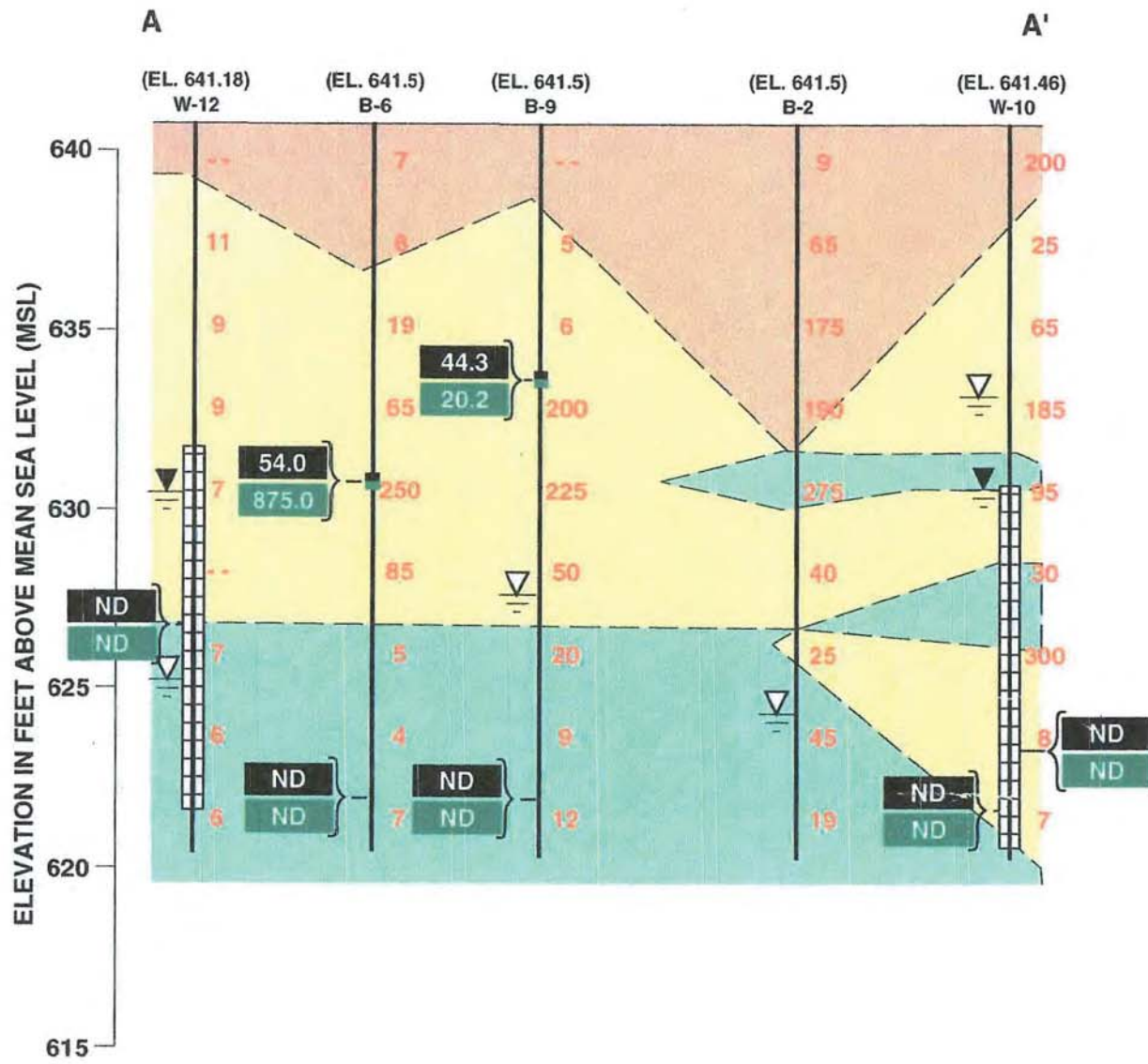
CHECKED: RPF

DRAWING: XSEC-A1

FILE NO.: GRAPHICS

PN: ONEHRMARTINIZING05692000

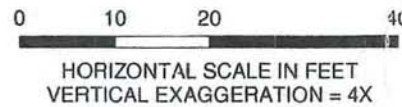
DWG DATE: 11FEB00



**LEGEND**

- FILL
- SAND/SILTY SAND
- CLAYEY SILT/SILTY CLAY
- 11 PHOTOIONIZATION DETECTOR RESULTS EXPRESSED IN HNU PID UNITS
- XXX GRO CONCENTRATION (ppm)
- XXX DRO CONCENTRATION (ppm)
- ND NOT DETECTED
- SCREENED INTERVAL
- GROUNDWATER TABLE MEASURED IN MONITORING WELL
- SHALLOWEST DEPTH TO FREE WATER ENCOUNTERED DURING TEST BORING COMPLETION

NOTE: The dashed lines indicate the approximate depths in which soil type/strata change.



SOURCE: Giles Engineering Associates, Inc. Report Dated November 23, 1992.



**PRE-REMEDATION CROSS SECTIONS**

ONE HOUR MARTINIZING MILWAUKEE, WISCONSIN

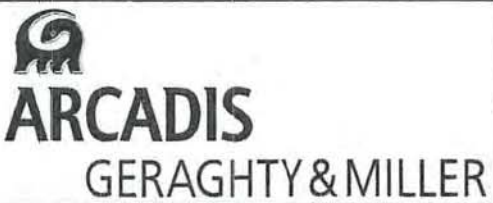
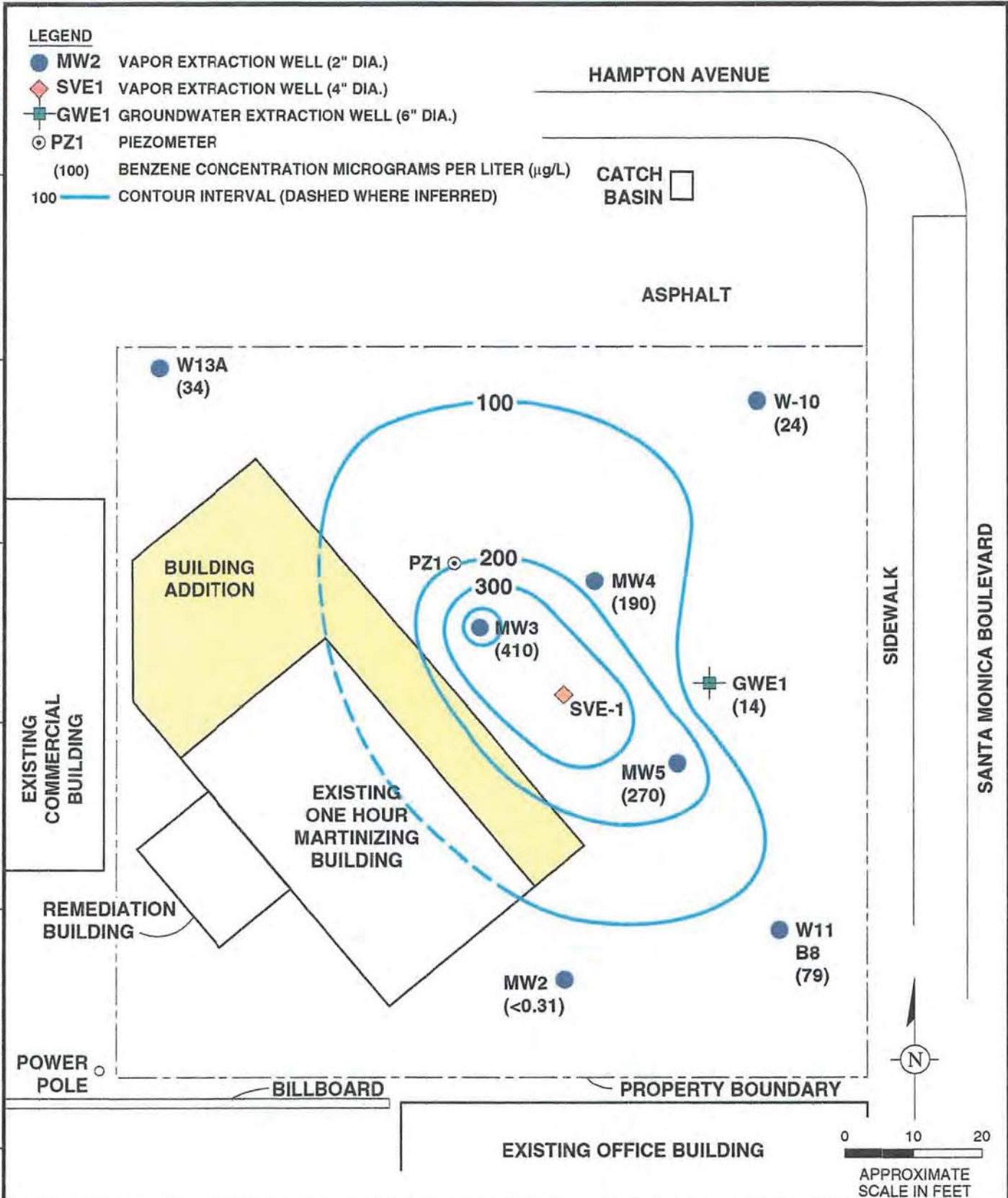
FIGURE

**4**

DWG DATE: 08FEB90 | PN: ONEHRMARIW05692000 | FILE NO.: GRAPHICS | DRAWING: 3\_99\_BEN.A1 | CHECKED: JC/RAF | APPROVED: | DRAFTER: ELS

**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)



**DISSOLVED BENZENE  
 ISOCONCENTRATION CONTOUR MAP  
 MARCH 1999**  
 ONE HOUR MARTINIZING FACILITY  
 MILWAUKEE, WISCONSIN

FIGURE  
**12**

# 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

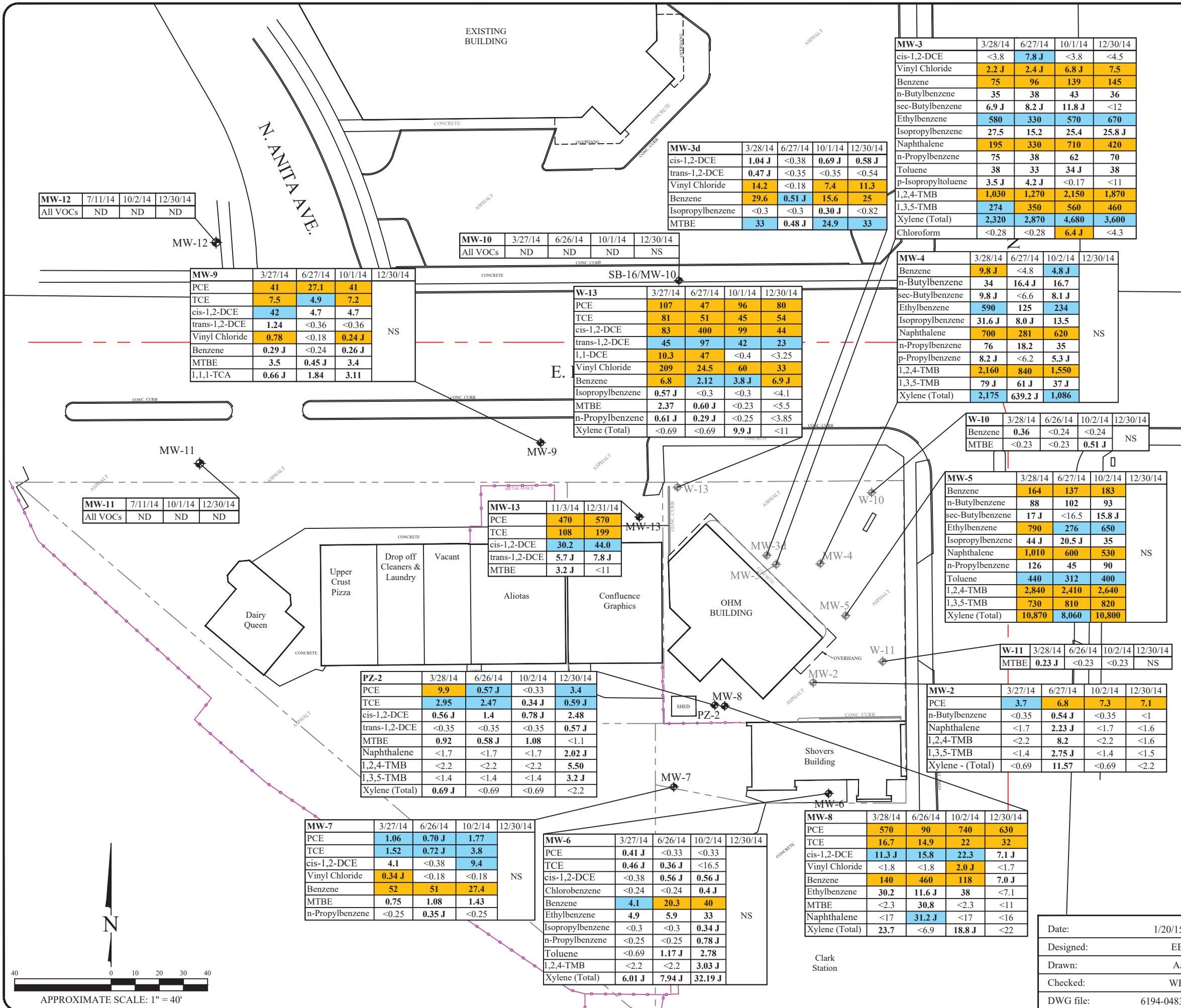
Figure

12

Project

6194

Date:	1/20/15
Designed:	EB
Drawn:	AJ
Checked:	WF
DWG file:	6194-0483



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	
TCE	7.5	4.9	7.2	
cis-1,2-DCE	42	4.7	4.7	
trans-1,2-DCE	1.24	<0.36	<0.36	
Vinyl Chloride	0.78	<0.18	0.24 J	
Benzene	0.29 J	<0.24	0.26 J	
MTBE	3.5	0.45 J	3.4	
1,1,1-TCA	0.66 J	1.84	3.11	

MW-11

MW-11	7/11/14	10/1/14	12/30/14
All VOCs	ND	ND	ND

MW-10	3/27/14	6/26/14	10/1/14	12/30/14
All VOCs	ND	ND	ND	NS

MW-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	
TCE	1.52	0.72 J	3.8	
cis-1,2-DCE	4.1	<0.38	9.4	
Vinyl Chloride	0.34 J	<0.18	<0.18	
Benzene	52	51	27.4	
MTBE	0.75	1.08	1.43	
n-Propylbenzene	<0.25	0.35 J	<0.25	

MW-6	3/27/14	6/26/14	10/2/14	12/30/14
PCE	0.41 J	<0.33	<0.33	
TCE	0.46 J	0.36 J	<16.5	
cis-1,2-DCE	<0.38	0.56 J	0.56 J	
Chlorobenzene	<0.24	<0.24	0.4 J	
Benzene	4.1	20.3	40	
Ethylbenzene	4.9	5.9	33	
Isopropylbenzene	<0.3	<0.3	0.34 J	
n-Propylbenzene	<0.25	<0.25	0.78 J	
Toluene	<0.69	1.17 J	2.78	
1,2,4-TMB	<2.2	<2.2	3.03 J	
Xylene (Total)	6.01 J	7.94 J	32.19 J	

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

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	1,030	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	
n-Butylbenzene	34	16.4 J	16.7	
sec-Butylbenzene	9.8 J	<6.6	8.1 J	
Ethylbenzene	590	125	234	
Isopropylbenzene	31.6 J	8.0 J	13.5	
Naphthalene	700	281	620	
n-Propylbenzene	76	18.2	35	
p-Propylbenzene	8.2 J	<6.2	5.3 J	
1,2,4-TMB	2,160	840	1,550	
1,3,5-TMB	79 J	61 J	37 J	
Xylene (Total)	2,175	639.2 J	1,086	

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	

MW-5	3/28/14	6/27/14	10/2/14	12/30/14
Benzene	164	137	183	
n-Butylbenzene	88	102	93	
sec-Butylbenzene	17 J	<16.5	15.8 J	
Ethylbenzene	790	276	650	
Isopropylbenzene	44 J	20.5 J	35	
Naphthalene	1,010	600	530	
n-Propylbenzene	126	45	90	
Toluene	440	312	400	
1,2,4-TMB	2,840	2,410	2,640	
1,3,5-TMB	730	810	820	
Xylene (Total)	10,870	8,060	10,800	

W-11	3/28/14	6/26/14	10/2/14	12/30/14
MTBE	0.23 J	<0.23	<0.23	NS

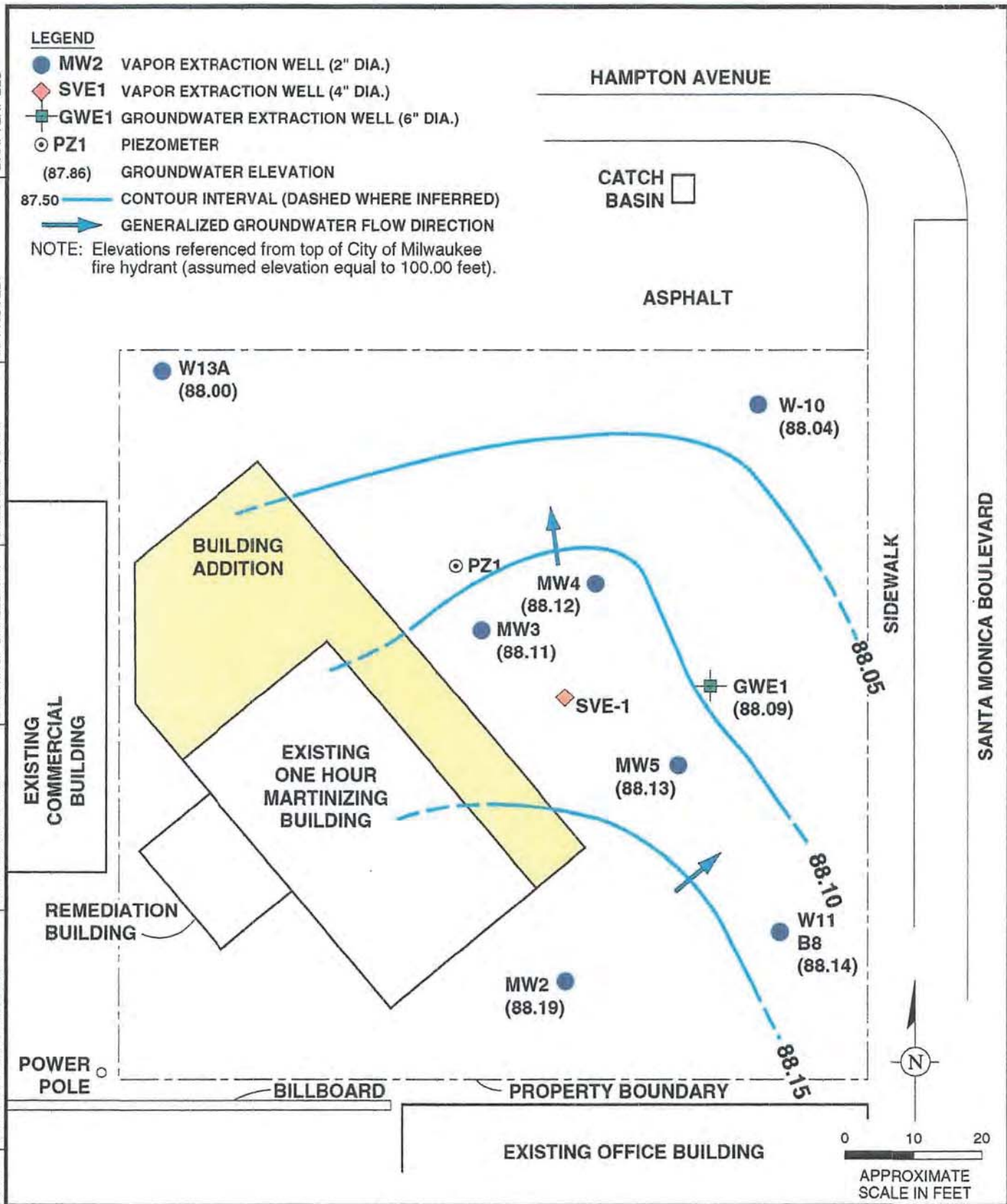
MW-2	3/27/14	6/27/14	10/2/14	12/30/14
PCE	3.7	6.8	7.3	7.1
n-Butylbenzene	<0.35	0.54 J	<0.35	<1
Naphthalene	<1.7	2.23 J	<1.7	<1.6
1,2,4-TMB	<2.2	8.2	<2.2	<1.6
1,3,5-TMB	<1.4	2.75 J	<1.4	<1.5
Xylene (Total)	<0.69	11.57	<0.69	<2.2

DRAFTER: ELS  
 APPROVED:  
 CHECKED: JCRAF  
 DRAWING: SHALLOW.A1  
 FILE NO.: GRAPHICS  
 PN: ONEHRMARTW05692000  
 DWG DATE: 11FEB00

**LEGEND**

- MW2 VAPOR EXTRACTION WELL (2" DIA.)
- ◆ SVE1 VAPOR EXTRACTION WELL (4" DIA.)
- GWE1 GROUNDWATER EXTRACTION WELL (6" DIA.)
- ⊙ PZ1 PIEZOMETER
- (87.86) GROUNDWATER ELEVATION
- 87.50 ——— CONTOUR INTERVAL (DASHED WHERE INFERRED)
- ➔ GENERALIZED GROUNDWATER FLOW DIRECTION

NOTE: Elevations referenced from top of City of Milwaukee fire hydrant (assumed elevation equal to 100.00 feet).



**SHALLOW POTENTIOMETRIC SURFACE MAP**  
**MARCH 17, 1999**  
 ONE HOUR MARTINIZING FACILITY  
 MILWAUKEE, WISCONSIN

FIGURE  
**5**

Table 1. Soil Analytical Results, One Hour Martinizing Facility, Milwaukee, Wisconsin.

Sample Name	B-3	B-3	B-4	B-5	B-6	B-6	B-8	B-9	B-9
Date	4/29/92	4/29/92	4/29/92	4/29/92	4/29/92	4/29/92	4/29/92	4/29/92	4/29/92
Depth	7-8.5'	12-13.5'	9.5-11'	9.5-11'	9.5-11'	19.5-21'	7-8.5'	7-8.5'	19.5-21'
GRO <sub>Ca</sub> (mg/kg)	81.7+	28.6	<40	2176.8+	54+	<10	<10	44.3+	<10
GRO <sub>wi</sub> (mg/kg)	NA	<10	NA	NA	NA	NA	NA	NA	NA
DRO <sub>Ca</sub> (mg/kg)	80.8+	NA	<40	922.8+	875+	<10	<10	20.2+	<10
DRO <sub>wi</sub> (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRPH (ppm)	446	NA	<1	1337	5829	<1	<1	<1	<1
TPH (ppm)	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs	<67	NA	<67	<67	<67	<67	<67	<67	<67
<u>Volatile Organic Compounds</u>									
Benzene	40	NA	<2.0	4054	<2.0	<2.0	<2.0	<2.0	<2.0
Bromobenzene	<2.0	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
n-Butylbenzene	346 MI	NA	<2.0	3804	<2.0	<2.0	12 MI	549 MI	<2.0
sec-Butylbenzene	47	NA	<2.0	1021	<2.0	<2.0	4 MI	105 MI	<2.0
tert-Butylbenzene	150 MI	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
1,3-Dichlorobenzene	<2.0	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
1,4-Dichlorobenzene	<2.0	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
1,1-Dichloroethane	<2.0	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
1,2-Dichloroethane	<2.0	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
cis-1,2-Dichloroethene	<2.0	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
trans-1,2-Dichloroethene	<2.0	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Ethylbenzene	216	NA	<2.0	26613	<2.0	<2.0	12 MI	1899	<2.0
Hexachlorobutadiene	<2.0	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Isopropylbenzene	30 MI	NA	<2.0	2482	<2.0	<2.0	<2.0	160 MI	<2.0
p-Isopropyltoluene	30 MI	NA	<2.0	<2.0	<2.0	<2.0	<2.0	51 MI	<2.0
Methylene chloride	22	NA	<2.0	349	171	<2.0	<2.0	<2.0	<2.0
Methyl-tert-butyl-ether	6	NA	<2.0	110	73	<2.0	<2.0	<2.0	62
Naphthalene	833	NA	<2.0	17782	<2.0	<2.0	<2.0	<2.0	<2.0
n-Propylbenzene	64	NA	<2.0	10214	<2.0	<2.0	8 MI	880	<2.0
Tetrachloroethene	3 MI	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0

## ARCADIS GERAGHTY &amp; MILLER

Table 1. Soil Analytical Results, One Hour Martinizing Facility, Milwaukee, Wisconsin.

Sample Name	B-3	B-3	B-4	B-5	B-6	B-6	B-8	B-9	B-9
Date	4/29/92	4/29/92	4/29/92	4/29/92	4/29/92	4/29/92	4/29/92	4/29/92	4/29/92
Depth	7-8.5'	12-13.5'	9.5-11'	9.5-11'	9.5-11'	19.5-21'	7-8.5'	7-8.5	19.5-21'

Footnotes on Page 2.

Volatile Organic Compounds (continued)

Toluene	1026	NA	<2.0	<2.0	<2.0	<2.0	<2.0	1010 MI	<2.0
1,2,3-Trichlorobenzene	<2.0	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
1,2,4-Trichlorobenzene	<2.0	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Trichloroethene	<2.0	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
1,1,2-Trichloroethane	<2.0	NA	<2.0	<2.0	20	<2.0	<2.0	<2.0	12
1,2,4-Trimethylbenzene	6300	NA	44	86000	55	<2.0	110	7308	<2.0
1,3,5-Trimethylbenzene	1927	NA	<2.0	21761	27	<2.0	35	1971	<2.0
Xylene, m	3902	NA	<2.0	<2.0	17	<2.0	34 MI	4619	<2.0
Xylene, o	2587*	NA	<2.0*	<2.0*	37*	<2.0*	17* MI	2617*	<2.0*
Xylene, p	2587*	NA	<2.0*	<2.0*	37*	<2.0*	17* MI	2617*	<2.0*
Xylene, m,p	NR	NR	NR	NR	NR	NR	NR	NR	NR
<u>Metals</u>									
Total Lead (ppm)	12.7	NA	2.04	6.09	1.42	6.28	1.94	1.64	5.74
Total Cadmium (ppm)	0.56	NA	0.39	0.94	0.32	2.24	0.4	0.37	1.84

Results are in micrograms per kilogram ( $\mu\text{g}/\text{kg}$ ), unless otherwise indicated.GRO<sub>Ca</sub> Gasoline Range Organics, by California Method.GRO<sub>Wi</sub> Gasoline Range Organics, by Wisconsin Method.DRO<sub>Ca</sub> Diesel Range Organics, by California Method.DRO<sub>Wi</sub> Diesel Range Organics, by Wisconsin Method.

PCBs Polychlorinated biphenyls.

TRPH Total recoverable petroleum hydrocarbons.

TPH Total petroleum hydrocarbons.

mg/kg Milligrams per kilogram.

ppm

MI

+

\*

NR

NA

Parts per million.

Matrix Interference.

Peaks occur outside elution range requested.

Xylene, o and xylene, p are coeluting.

Not reported.

Not applicable.

Table 1. Soil Analytical Results, One Hour Martinizing Facility, Milwaukee, Wisconsin.

Sample Name	W10	W10	W12	W13	MW-2	MW-3	MW-4	MW-5	SVE-1	GWE-1
Date	4/29/92	4/29/92	4/29/92	4/29/92	7/26/93	7/27/93	7/27/93	7/27/93	7/28/93	7/28/93
Depth	14.5-16'	19.5-21'	12-13.5'	9.5-11'	12-13.5'	7-8.5'	7-8.5'	9.5-11'	17-18.5'	12-13.5'
GRO <sub>Ca</sub> (mg/kg)	<10	<10	<10	26.2	NA	NA	NA	NA	NA	NA
GRO <sub>wi</sub> (mg/kg)	NA	NA	NA	NA	<10	74	1200	500	2300	43
DRO <sub>Ca</sub> (mg/kg)	<10	<10	<10	10.8	NA	NA	NA	NA	NA	NA
DRO <sub>wi</sub> (mg/kg)	NA	NA	NA	NA	<10	34	1700	1900	42	<10
TRPH (ppm)	14	<1	<1	<1	NA	NA	NA	NA	NA	NA
TPH (ppm)	NA	NA	NA	NA	<10	<10	5000	<10	<10	<10
PCBs	<67	<67	<67	<67	NA	NA	NA	NA	NA	NA
<u>Volatile Organic Compounds</u>										
Benzene	<2.0	<2.0	<2.0	<2.0	<2	<2	<2	27000	2400	33
Bromobenzene	<2.0	<2.0	<2.0	<2.0	<2	<2	<2	100000	10000	22
n-Butylbenzene	<2.0	<2.0	<2.0	<2.0	<2	<2	49	280000	26000	<2
sec-Butylbenzene	<2.0	<2.0	<2.0	8	<2	<2	<2	<1000	<100	<2
tert-Butylbenzene	<2.0	<2.0	<2.0	<2.0	<2	<2	<2	<1000	<100	<2
1,3-Dichlorobenzene	<2.0	<2.0	<2.0	<2.0	53	<2	<2	<1000	<100	<2
1,4-Dichlorobenzene	<2.0	<2.0	<2.0	<2.0	61	<2	<2	<1000	<100	<2
1,1-Dichloroethane	<2.0	<2.0	<2.0	<2.0	<2	<2	<2	<1000	<100	<2
1,2-Dichloroethane	<2.0	<2.0	<2.0	<2.0	<2	<2	<2	<1000	<100	<2
cis-1,2-Dichloroethene	<2.0	<2.0	<2.0	<2.0	<2	<2	<2	<1000	<100	<2
trans-1,2-Dichloroethene	<2.0	<2.0	<2.0	<2.0	<2	<2	<2	<1000	<100	<2
Ethylbenzene	28	<2.0	<2.0	434	220	6	9	160000	17000	96
Hexachlorobutadiene	<2.0	<2.0	<2.0	<2.0	110	<2	<2	<1000	<100	<2
Isopropylbenzene	<2.0	<2.0	<2.0	35 MI	<2	<2	<2	<1000	<100	<2
p-Isopropyltoluene	<2.0	<2.0	<2.0	<2.0	<2	<2	<2	<1000	<100	<2
Methylene chloride	26	<2.0	<2.0	<2.0	<10	<10	<10	<5000	<500	<10
Methyl-tert-butyl-ether	<2.0	<2.0	<2.0	<2.0	<2	<2	<2	<1000	<100	<2
Naphthalene	<2.0	<2.0	<2.0	306	83	130	<2	75000	9600	86
n-Propylbenzene	<2.0	<2.0	<2.0	137	<2	<2	<2	<1000	<100	<2
Tetrachloroethene	<2.0	<2.0	4331	<2.0	<2	<2	<2	<1000	<100	<2



Table 1. Soil Analytical Results, One Hour Martinizing Facility, Milwaukee, Wisconsin.

Sample Name	W10	W10	W12	W13	MW-2	MW-3	MW-4	MW-5	SVE-1	GWE-1
Date	4/29/92	4/29/92	4/29/92	4/29/92	7/26/93	7/27/93	7/27/93	7/27/93	7/28/93	7/28/93
Depth	14.5-16'	19.5-21'	12-13.5'	9.5-11'	12-13.5'	7-8.5'	7-8.5'	9.5-11'	17-18.5'	12-13.5'

Footnotes on Page 4.

Toluene	<2.0	<2.0	<2.0	<2.0	<2	10	<2	150000	17000	25
1,2,3-Trichlorobenzene	<2.0	<2.0	<2.0	<2.0	57	<2	<2	<1000	<100	<2
1,2,4-Trichlorobenzene	<2.0	<2.0	<2.0	<2.0	86	<2	<2	<1000	<100	<2
Trichloroethene	<2.0	<2.0	<2.0	<2.0	<2	<2	<2	<1000	<100	<2
1,1,2-Trichloroethane	<2.0	<2.0	<2.0	<2.0	<2	<2	<2	<1000	<100	<2
1,2,4-Trimethylbenzene	58	<2.0	<2.0	1158	74	150	36	140000	15000	320
1,3,5-Trimethylbenzene	16 MI	<2.0	<2.0	280	76	110	85	140000	13000	290
Xylene, m	73	<2.0	<2.0	775	NR	NR	NR	NR	NR	NR
Xylene, o	31*	<2.0*	<2.0*	246*	110	140	44	160000	17000	84
Xylene, p	31*	<2.0*	<2.0*	246*	NR	NR	NR	NR	NR	NR
Xylene, m,p	NR	NR	NR	NR	60	150	32	190000	20000	390
<u>Metals</u>										
Total Lead (ppm)	2.98	5.19	1.84	1.16	NA	NA	NA	NA	NA	NA
Total Cadmium (ppm)	0.79	1.67	0.35	0.49	NA	NA	NA	NA	NA	NA

Results are in micrograms per kilogram (µg/kg), unless otherwise indicated.

GRO<sub>Ca</sub> Gasoline Range Organics, by California Method.

GRO<sub>Wi</sub> Gasoline Range Organics, by Wisconsin Method.

DRO<sub>Ca</sub> Diesel Range Organics, by California Method.

DRO<sub>Wi</sub> Diesel Range Organics, by Wisconsin Method.

PCBs Polychlorinated biphenyls.

TRPH Total recoverable petroleum hydrocarbons.

TPH Total petroleum hydrocarbons.

mg/kg Milligrams per kilogram.

ppm

MI

+

\*

NR

NA

Parts per million.

Matrix Interference.

Peaks occur outside elution range requested.

Xylene, o and xylene, p are coeluting.

Not reported.

Not applicable.

Table 1. Soil Analytical Results, One Hour Martinizing Facility, Milwaukee, Wisconsin.

Sample Name	GWE-1	PZ-1	PZ-1
Date	7/28/93	7/30/93	7/30/93
Depth	17-18.5'	9.5-11'	27-28.5'
GRO <sub>Ca</sub> (mg/kg)	NA	NA	NA
GRO <sub>Wi</sub> (mg/kg)	<10	91	13
DRO <sub>Ca</sub> (mg/kg)	NA	NA	NA
DRO <sub>Wi</sub> (mg/kg)	<10	1500	<10
TRPH (ppm)	NA	NA	NA
TPH (ppm)	<10	<10	<10
PCBs	NA	NA	NA
<u>Volatile Organic Compounds</u>			
Benzene	<2	9000	<2
Bromobenzene	<2	21000	13
n-Butylbenzene	<2	<100	34
sec-Butylbenzene	<2	<100	<2
tert-Butylbenzene	<2	<100	<2
1,3-Dichlorobenzene	<2	<100	<2
1,4-Dichlorobenzene	<2	<100	<2
1,1-Dichloroethane	<2	<100	<2
1,2-Dichloroethane	<2	<100	<2
cis-1,2-Dichloroethene	<2	<100	<2
trans-1,2-Dichloroethene	<2	<100	<2
Ethylbenzene	4	22000	32
Hexachlorobutadiene	<2	<100	<2
Isopropylbenzene	<2	<100	<2
p-Isopropyltoluene	<2	<100	<2
Methylene chloride	<10	<500	<10
Methyl-tert-butyl-ether	<2	<100	<2
Naphthalene	4	12000	15
n-Propylbenzene	<2	<100	<2
Tetrachloroethene	<2	<100	<2

Table 1. Soil Analytical Results, One Hour Martinizing Facility, Milwaukee, Wisconsin.

Sample Name	GWE-1	PZ-1	PZ-1
Date	7/28/93	7/30/93	7/30/93
Depth	17-18.5'	9.5-11'	27-28.5'

Footnotes on Page 6.

Toluene	3	21000	17
1,2,3-Trichlorobenzene	<2	<100	<2
1,2,4-Trichlorobenzene	<2	<100	<2
Trichloroethene	<2	<100	<2
1,1,2-Trichloroethane	<2	<100	<2
1,2,4-Trimethylbenzene	6	18000	73
1,3,5-Trimethylbenzene	4	<100	41
Xylene, m	NR	NR	NR
Xylene, o	3	22000	15
Xylene, p	NR	NR	NR
Xylene, m,p	11	24000	59
<u>Metals</u>			
Total Lead (ppm)	NA	NA	NA
Total Cadmium (ppm)	NA	NA	NA

Results are in micrograms per kilogram ( $\mu\text{g}/\text{kg}$ ), unless otherwise indicated.

GRO<sub>Ca</sub> Gasoline Range Organics, by California Method.

GRO<sub>Wi</sub> Gasoline Range Organics, by Wisconsin Method.

DRO<sub>Ca</sub> Diesel Range Organics, by California Method.

DRO<sub>Wi</sub> Diesel Range Organics, by Wisconsin Method.

PCBs Polychlorinated biphenyls.

TRPH Total recoverable petroleum hydrocarbons.

TPH Total petroleum hydrocarbons.

mg/kg Milligrams per kilogram.

ppm

MI

+

\*

NR

NA

Parts per million.

Matrix Interference.

Peaks occur outside elution range requested.

Xylene, o and xylene, p are coeluting.

Not reported.

Not applicable.

Table 2. Groundwater Analytical Results, One Hour Martinizing Facility, Milwaukee, Wisconsin.

Well Number	MW-2										
	8/8/95	12/4/95	2/19/96	5/31/96	8/29/96	11/13/96	2/14/97	5/22/97	11/12/97	8/20/98	3/18/99
<u>Volatile Organic Compounds</u>											
Benzene	16	<0.6	<0.6	<0.6	<0.6	<0.6	<0.4	<0.4	0.56 Q	0.69 Q	<0.31
n-Butylbenzene	NA	NA	NA	NA	<1.0	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	NA	NA	NA	NA	<1.0	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	NA	NA	NA	<1.0	<1.0	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	<1.0	NA	NA	<1.0	<1.0	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	NA	NA	<1.0	<1.0	<1.0	<1.0	<0.3	<0.3	<0.47	<0.23	<0.52
trans-1,2-Dichloroethene	NA	NA	<1.0	<1.0	<1.0	<1.0	<0.3	<0.3	<0.55	<0.39	<0.52
Ethylbenzene	31	<1.0	<1.0	<1.0	<1.0	<1.0	<0.2	<0.2	1.2 Q	<0.38	<0.26
Isopropylbenzene	NA	NA	NA	<1.0	<1.0	NA	NA	NA	NA	NA	NA
Methyl-tert-butyl-ether	2.4	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	<0.14	<0.66
Naphthalene	NA	NA	NA	<1.0	<1.0	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NA	NA	NA	<1.0	<1.0	NA	NA	NA	NA	NA	NA
Tetrachloroethene	44	45	30	36	41	16	37	30	17	21	87
Toluene	25	<1.0	<1.0	<1.0	<1.0	<1.0	<0.3	<0.3	<0.32	<0.39	<0.48
Trichloroethene	NA	NA	NA	<1.0	<1.0	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	29	<1.0	2.5	<1.0	<1.0	<1.0	<0.3	<0.3	6.5	<0.32	2.3
1,3,5-Trimethylbenzene	9.9	<1.0	<1.0	<1.0	<1.0	<1.0	<0.3	<0.3	3.9	<0.33	<0.18
Xylene, Total	72	<2.0	1.6	<2.0	<2.0	<2.0	<0.8	<0.8	8.4	<1.1	1.7 Q

- Exceeding the Enforcement Standard (ES).
- Exceeding the Preventive Action Limit (PAL).
- NA Not analyzed, and/or not applicable.
- < Indicates analyte not present above the method detection limit.
- No ES or PAL established.
- Q Detected at a concentration below the laboratory Limit of Quantitation.

Table 2. Groundwater Analytical Results, One Hour Martinizing Facility, Milwaukee, Wisconsin.

Well Number	MW-3								
	8/8/95	2/19/96	5/31/96	11/13/96	2/14/97	5/22/97	11/12/97	8/11/98	3/17/99
<b>Volatile Organic Compounds</b>									
Benzene	1600	1500	510	470	800	120	650	320	410
n-Butylbenzene	NA	NA	51	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	NA	NA	<25	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	<50	NA	<25	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	NA	730	1300	600	610	120	530	540	670
trans-1,2-Dichloroethene	NA	<100	34	<25	29	<3.0	34 Q	77	190
Ethylbenzene	1700	620	340	470	560	210	710	290	540
Isopropylbenzene	NA	NA	<25	NA	NA	NA	NA	NA	NA
Methyl-tert-butyl-ether	110	<100	<25	34	40	<5.0	<25	<1.4	<5.0
Naphthalene	NA	NA	670	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NA	NA	31	NA	NA	NA	NA	NA	NA
Tetrachloroethene	<50	<100	36	82	45	54	42 Q	40	<5.0
Toluene	5900	3500	700	280	3200	650	320	200	250
Trichloroethene	NA	NA	<25	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	2200	1100	1500	1900	2300	2100	3000	660	1000
1,3,5-Trimethylbenzene	650	<100	490	670	880	940	1300	340	230
Xylene, Total	11100	7300	3310	5000	7800	3700	5300	1100	1200

- Exceeding the Enforcement Standard (ES).
- Exceeding the Preventive Action Limit (PAL).
- NA Not analyzed, and/or not applicable.
- < Indicates analyte not present above the method detection limit.
- No ES or PAL established.
- Q Detected at a concentration below the laboratory Limit of Quantitation.

Table 2. Groundwater Analytical Results, One Hour Martinizing Facility, Milwaukee, Wisconsin.

Well Number Sample Date	MW-4							
	2/19/96	5/31/96	11/13/96	2/14/97	5/22/97	11/12/97	8/11/98	3/17/99
<b>Volatile Organic Compounds</b>								
Benzene	1900	610	710	580	1200	830	460	190
n-Butylbenzene	NA	220	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	NA	56	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	NA	<50	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	NA	<50	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	<100	<50	<100	63	200	320	<4.6	<12
trans-1,2-Dichloroethene	<100	<50	<100	<30	<15	44	<7.8	<12
Ethylbenzene	2800	1900	2400	1600	2700	1400	990	900
Isopropylbenzene	NA	120	NA	NA	NA	NA	NA	NA
Methyl-tert-butyl-ether	<100	<50	<100	<50	53	20	<2.8	<12
Naphthalene	NA	1600	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NA	320	NA	NA	NA	NA	NA	NA
Tetrachloroethene	<100	<50	<100	<30	<15	<4.4	<13	<12
Toluene	8500	5000	2300	2400	270	160	63	56
Trichloroethene	NA	<50	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	950	6800	3700	3600	5800	4000 D	3500	2800
1,3,5-Trimethylbenzene	110	2000	1100	1100	1700	2000	1100	700
Xylene, Total	16800	23800	18300	15600	23600	8500 D	8400	6600

- Exceeding the Enforcement Standard (ES).
- Exceeding the Preventive Action Limit (PAL).
- NA Not analyzed, and/or not applicable.
- < Indicates analyte not present above the method detection limit.
- No ES or PAL established.
- Q Detected at a concentration below the laboratory Limit of Quantitation.

Table 2. Groundwater Analytical Results, One Hour Martinizing Facility, Milwaukee, Wisconsin.

Well Number	W-10										
	5/4/92	7/21/92	8/8/95	12/4/95	2/19/96	5/31/96	8/29/96	11/13/96	2/14/97	5/22/97	11/12/97
<u>Volatile Organic Compounds</u>											
Benzene	40	48	34	230	38	23	74	190	39	31	26
n-Butylbenzene	NA	NA	NA	NA	NA	28	36	NA	NA	NA	NA
sec-Butylbenzene	NA	NA	NA	NA	NA	<10	<10	NA	NA	NA	NA
1,1-Dichloroethane	<1	<1	NA	NA	NA	<10	<10	NA	NA	NA	NA
1,2-Dichloroethane	<1.0	<1	<1.0	NA	NA	<10	<10	NA	NA	NA	NA
cis-1,2-Dichloroethene	NA	NA	NA	NA	<1.0	<10	<10	<1.0	<3.0	<0.3	<0.47
trans-1,2-Dichloroethene	NA	NA	NA	NA	<1.0	<10	<10	<1.0	<3.0	<0.3	<0.55
Ethylbenzene	86	46	83	46	5.7	<10	52	23	1.4	4	1.6
Isopropylbenzene	<1	2	NA	NA	NA	<10	<10	NA	NA	NA	NA
Methyl-tert-butyl-ether	<1.0	<2	2.3	<5.0	<1.0	<10	<10	<1.0	<0.5	<0.5	1.2 Q
Naphthalene	<1	11	NA	NA	NA	310	280	NA	NA	NA	NA
n-Propylbenzene	8	<1	NA	NA	NA	<10	<10	NA	NA	NA	NA
Tetrachloroethene	<1.0	<1	<1.0	<5.0	<1.0	<10	<10	<1.0	<0.3	<0.3	<0.44
Toluene	7	3	1.5	<5.0	1.3	<10	<10	<1.0	2.4	1.2	0.33 Q
Trichloroethene	<1	<1	NA	NA	NA	<10	<10	NA	NA	NA	NA
1,2,4-Trimethylbenzene	89	4	170	360	28	1700	1400	240	41	46	6.1
1,3,5-Trimethylbenzene	16	10	45	120	2.2	580	430	3.4	1.5	27	<0.56
Xylene, Total	308	182	205	391	96	1710	439	27.3	141.5	110.7	2.3 Q

- Exceeding the Enforcement Standard (ES).
- Exceeding the Preventive Action Limit (PAL).
- NA Not analyzed, and/or not applicable.
- < Indicates analyte not present above the method detection limit.
- No ES or PAL established.
- Q Detected at a concentration below the laboratory Limit of Quantitation.

Table 2. Groundwater Analytical Results, One Hour Martinizing Facility, Milwaukee, Wisconsin.

Well Number Sample Date	W-10 (continued)		W-11							
	8/10/98	3/18/99	5/4/92	7/21/92	8/8/95	12/4/95	2/19/96	5/31/96	8/29/96	11/13/96
<u>Volatile Organic Compounds</u>										
Benzene	54	24	69	487	3300	2400	2600	1100	4000	2500
n-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	<25	NA
sec-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	<25	NA
1,1-Dichloroethane	NA	NA	11	12	NA	NA	<20	<5.0	<25	NA
1,2-Dichloroethane	NA	NA	<1.0	<1	<25	NA	<20	<5.0	<25	NA
cis-1,2-Dichloroethene	<0.23	<0.52	NA	NA	NA	NA	<20	<5.0	<25	<25
trans-1,2-Dichloroethene	<0.39	<0.52	NA	NA	NA	NA	<20	<5.0	<25	<25
Ethylbenzene	1.9	0.66 Q	24	4	<25	<25	<20	<5.0	<25	<25
Isopropylbenzene	NA	NA	<1.0	2	NA	NA	NA	<5.0	<25	NA
Methyl-tert-butyl-ether	<0.14	<0.66	<1.0	<2	120	39	58	19	77	44
Naphthalene	NA	NA	<1.0	1	NA	NA	NA	<5.0	<25	NA
n-Propylbenzene	NA	NA	<1.0	<1	NA	NA	NA	<5.0	<25	NA
Tetrachloroethene	<0.63	<0.42	<1.0	<1	<25	<25	<20	<5.0	<25	<25
Toluene	0.53 Q	3.1	1	<1	<25	<25	<20	5.9	<25	<25
Trichloroethene	NA	NA	<1.0	<1	NA	NA	NA	<5.0	<25	NA
1,2,4-Trimethylbenzene	4.1	3.0	24	18	<25	<25	<20	<5.0	<25	<25
1,3,5-Trimethylbenzene	<0.33	<0.18	<1.0	1	<25	<25	<20	<5.0	<25	<25
Xylene, Total	15	6.9	24	17	<50	<50	<40	<20.0	<50	<50

Exceeding the Enforcement Standard (ES).

Exceeding the Preventive Action Limit (PAL).

NA Not analyzed, and/or not applicable.

< Indicates analyte not present above the method detection limit.

-- No ES or PAL established.

Q Detected at a concentration below the laboratory Limit of Quantitation.



Table 2. Groundwater Analytical Results, One Hour Martinizing Facility, Milwaukee, Wisconsin.

Well Number Sample Date	W-11 (continued)					MW-12		MW-13	
	2/14/97	5/22/97	11/12/97	8/10/98	3/17/99	5/4/92	7/21/92	5/4/92	7/21/92
<u>Volatile Organic Compounds</u>									
Benzene	1400	1700	880	1.6	79	<1.0	<1	6	11
n-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	NA	NA	NA	NA	NA	<1.0	<1	<1.0	<1
1,2-Dichloroethane	NA	NA	NA	NA	NA	2	<1	<1.0	<1
cis-1,2-Dichloroethene	<3.0	<3.0	<4.7	<0.23	<0.50	NA	NA	NA	NA
trans-1,2-Dichloroethene	<3.0	<3.0	<5.5	<0.39	<0.50	NA	NA	NA	NA
Ethylbenzene	<2.0	<2.0	<4	<0.38	<0.50	<1.0	<1	91	189
Isopropylbenzene	NA	NA	NA	NA	NA	<1.0	<1	<1.0	<1
Methyl-tert-butyl-ether	39	26	42	0.62	8.5	165	370	<1.0	<2
Naphthalene	NA	NA	NA	NA	NA	<1.0	1	<1.0	67
n-Propylbenzene	NA	NA	NA	NA	NA	<1.0	<1	5	<1
Tetrachloroethene	<3.0	<3.0	<4.4	<0.63	<0.50	268	824	22	1
Toluene	19	24	3.9 Q	<0.39	1.7	<1.0	<1	<1.0	<1
Trichloroethene	NA	NA	NA	NA	NA	11	7	<1.0	<1
1,2,4-Trimethylbenzene	<3.0	<3.0	<5	<0.32	<0.20	<1.0	<1	93	226
1,3,5-Trimethylbenzene	<3.0	<3.0	<5.6	<0.33	<0.20	<1.0	<1	12	15
Xylene, Total	<8.0	<8.0	<10	<1.1	1.4	<2.0	<2	145	246

- Exceeding the Enforcement Standard (ES).
- Exceeding the Preventive Action Limit (PAL).
- NA Not analyzed, and/or not applicable.
- < Indicates analyte not present above the method detection limit.
- No ES or PAL established.
- Q Detected at a concentration below the laboratory Limit of Quantitation.

Table 2. Groundwater Analytical Results, One Hour Martinizing Facility, Milwaukee, Wisconsin.

Well Number	W-13A									
	8/8/95	2/19/96	5/31/96	8/29/96	11/13/96	2/14/97	5/22/97	11/12/97	8/11/98	3/17/99
<u>Volatile Organic Compounds</u>										
Benzene	54	71	48	22	62	44	15	55	22	34
n-Butylbenzene	NA	NA	NA	<10	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	NA	NA	NA	<10	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	NA	NA	<10	<10	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	<10	NA	<10	<10	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	NA	2200	1800	740	1100	760	1500	1100	1100	3000
trans-1,2-Dichloroethene	NA	560	1000	720	820	660	1300	790	340	1000
Ethylbenzene	590	400	240	230	430	240	220	350	130	190
Isopropylbenzene	NA	NA	<10	<10	NA	NA	NA	NA	NA	NA
Methyl-tert-butyl-ether	44	35	85	51	130	78	25	<5	35	<13
Naphthalene	NA	NA	<10	<10	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NA	NA	14	21	NA	NA	NA	NA	NA	NA
Tetrachloroethene	<10	<25	47	35	<10	<3.0	8.7	<4.4	92	24
Toluene	11	<25	<10	<10	<10	<3.0	<3.0	<3.2	<7.8	<9.6
Trichloroethene	NA	NA	<10	<10	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	260	<25	70	54	45	7.9	15	<5	<6.4	<5.4
1,3,5-Trimethylbenzene	<10	<25	<10	<10	<10	<3.0	<3.0	<5.6	<6.6	<3.6
Xylene, Total	160	46	<20	<20	<20	<8.0	<8.0	<10	<22	<20

- Exceeding the Enforcement Standard (ES).
- Exceeding the Preventive Action Limit (PAL).
- NA Not analyzed, and/or not applicable.
- < Indicates analyte not present above the method detection limit.
- No ES or PAL established.
- Q Detected at a concentration below the laboratory Limit of Quantitation.

Table 2. Groundwater Analytical Results, One Hour Martinizing Facility, Milwaukee, Wisconsin.

Well Number Sample Date	PZ-1	SVE-1	MW-5					
	2/19/96	2/19/96	5/31/96	2/14/97	5/22/97	11/12/97	8/10/98	3/18/99
<u>Volatile Organic Compounds</u>								
Benzene	110	1700	910	490	650	610	330	270
n-Butylbenzene	NA	NA	87	NA	NA	NA	NA	NA
sec-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	NA	NA	<50	NA	NA	NA	NA	NA
1,2-Dichloroethane	NA	NA	<50	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	890	150	<50	<15	<30	<23	<4.6	<12
trans-1,2-Dichloroethene	42	<50	<50	<15	<30	<28	<7.8	<12
Ethylbenzene	16	2800	2300	800	1300	1300	440	650
Isopropylbenzene	NA	NA	100	NA	NA	NA	NA	NA
Methyl-tert-butyl-ether	84	75	<50	NA	<50	<25	<2.8	<12
Naphthalene	NA	NA	1000	NA	NA	NA	NA	NA
n-Propylbenzene	NA	NA	280	NA	NA	NA	NA	NA
Tetrachloroethene	<10	<50	<50	<15	<30	<22	<13	<12
Toluene	<10	5100	2600	260	330	160	610	860
Trichloroethene	NA	NA	<50	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	<10	870	4600	4100	5400	4400	900	1500
1,3,5-Trimethylbenzene	<10	110	1300	1600	2000	1700	520	440
Xylene, Total	<20	14400	22600	10000	11500	7800	5000	3200

- Exceeding the Enforcement Standard (ES).
- Exceeding the Preventive Action Limit (PAL).
- NA Not analyzed, and/or not applicable.
- < Indicates analyte not present above the method detection limit.
- No ES or PAL established.
- Q Detected at a concentration below the laboratory Limit of Quantitation.

Table 2. Groundwater Analytical Results, One Hour Martinizing Facility, Milwaukee, Wisconsin.

Well Number Sample Date	GWE-1						Enforcement Standards	Preventive Action Limit
	5/31/96	8/29/96	11/13/96	2/14/97	5/22/97	3/18/99		
<u>Volatile Organic Compounds</u>								
Benzene	260	190	140	270	190	14	5	0.5
n-Butylbenzene	140	NA	NA	NA	NA	NA	--	--
sec-Butylbenzene	NA	NA	NA	NA	NA	NA	--	--
1,1-Dichloroethane	<25	NA	NA	NA	NA	NA	850	85
1,2-Dichloroethane	<25	NA	NA	NA	NA	NA	5	0.5
cis-1,2-Dichloroethene	<25	NA	<10	<1.5	<0.6	<0.25	70	7
trans-1,2-Dichloroethene	<25	NA	<10	<1.5	<0.6	<0.25	100	20
Ethylbenzene	110	17	11	38	40	15	700	140
Isopropylbenzene	<25	NA	NA	NA	NA	NA	--	--
Methyl-tert-butyl-ether	34	47	48	50	46	<0.25	60	12
Naphthalene	450	22	NA	NA	NA	NA	40	8
n-Propylbenzene	36	NA	NA	NA	NA	NA	--	--
Tetrachloroethene	<25	NA	<10	<1.5	<0.6	<0.25	5	0.5
Toluene	560	5.1	15	6.3	4.7	2.8	343	68.6
Trichloroethene	<25	NA	NA	NA	NA	NA	5	0.5
1,2,4-Trimethylbenzene	3700	580	370	45	31	57	--	--
1,3,5-Trimethylbenzene	1200	330	270	16	4	1.4	--	--
Xylene, Total	9100	510	750	66.6	62.3	15	620	124

- Exceeding the Enforcement Standard (ES).
- Exceeding the Preventive Action Limit (PAL).
- NA Not analyzed, and/or not applicable.
- < Indicates analyte not present above the method detection limit.
- No ES or PAL established.
- Q Detected at a concentration below the laboratory Limit of Quantitation.

Table 3. Groundwater Elevation Measurements, One Hour Martinizing Facility, Milwaukee, Wisconsin.

Well Number	Date Measured	TOC <sup>(1)</sup> Elevation	Depth to Product	Depth to Water	Groundwater Elevation
GWE-1	8/1/95	96.57	NA	10.88	85.69
GWE-1	9/13/95	96.57	8.5	8.73	87.84
GWE-1	9/22/95	96.57	15.19	15.3	81.27
GWE-1	9/29/95	96.57	14.71	14.88	81.69
GWE-1	10/20/95	96.57	14.85	14.89	81.68
GWE-1	11/6/95	96.57	NA	14.75	81.82
GWE-1	11/20/95	96.57	NA	16.1	80.47
GWE-1	12/4/95	96.57	NA	21.71	74.86
GWE-1	12/7/95	96.57	NA	8.97	87.60
GWE-1	2/19/96	96.57	NA	8.97	87.60
GWE-1	3/4/96	96.57	NA	22.2	74.37
GWE-1	4/2/96	96.57	NA	22.43	74.14
GWE-1	5/31/96	96.57	NA	23.21	73.36
GWE-1	7/16/96	96.57	NA	15.79	80.78
GWE-1	8/29/96	96.57	NA	23.20	73.37
GWE-1	2/14/97	96.57	NA	9.27	87.30
GWE-1	3/17/99	96.57	NA	8.48	88.09
PZ-1	8/1/95	98.34	NA	NA	NA
PZ-1	9/13/95	98.34	NA	10.39	87.95
PZ-1	9/22/95	98.34	NA	10.44	87.90
PZ-1	9/29/95	98.34	NA	10.56	87.78
PZ-1	10/20/95	98.34	NA	10.62	87.72
PZ-1	11/6/95	98.34	NA	9.74	88.60
PZ-1	11/20/95	98.34	NA	7.94	90.40
PZ-1	12/4/95	98.34	NA	10.07	88.27
PZ-1	2/7/96	98.34	--	--	--
PZ-1	2/19/96	98.34	NA	10.88	87.46
PZ-1	3/4/96	98.34	NA	10.80	87.54
PZ-1	4/2/96	98.34	NA	10.76	87.58
PZ-1	5/31/96	98.34	--	--	--
PZ-1	7/16/96	98.34	--	--	--
PZ-1	2/14/97	98.34	NA	10.98	87.36
PZ-1	8/10/98	98.34	NA	8.76	89.58
PZ-1	3/17/99	98.34	NA	10.06	88.28
SVE-1	8/1/95	98.27	10.15	10.6	87.67

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Table 3. Groundwater Elevation Measurements, One Hour Martinizing Facility, Milwaukee, Wisconsin.

Well Number	Date Measured	TOC <sup>(1)</sup> Elevation	Depth to Product	Depth to Water	Groundwater Elevation
SVE-1	9/13/95	98.27	10.07	10.66	87.61
SVE-1	9/22/95	98.27	9.7	10.27	88.00
SVE-1	9/29/95	98.27	9.83	10.08	88.19
SVE-1	10/20/95	98.27	9.92	10.09	88.18
SVE-1	11/6/95	98.27	NA	9.74	88.53
SVE-1	11/20/95	98.27	NA	9.58	88.69
SVE-1	12/4/95	98.27	NA	9.62	88.65
SVE-1	12/7/95	98.27	NA	10.55	87.72
SVE-1	2/19/96	98.27	NA	10.21	88.06
SVE-1	3/4/96	98.27	NA	10.12	88.15
SVE-1	4/2/96	98.27	NA	9.99	88.28
SVE-1	5/31/96	98.27	NA	9.77	88.50
SVE-1	7/16/96	98.27	NA	9.43	88.84
SVE-1	8/29/96	98.27	NA	9.54	88.73
MW-2	8/8/95	98.53	NA	10.41	88.12
MW-2	9/13/95	98.53	NA	10.31	88.22
MW-2	9/22/95	98.53	NA	8.73	89.80
MW-2	9/29/95	98.53	NA	8.82	89.71
MW-2	10/20/95	98.53	NA	8.99	89.54
MW-2	11/6/95	98.53	NA	8.78	89.75
MW-2	11/20/95	98.53	NA	8.85	89.68
MW-2	12/4/95	98.53	NA	8.5	90.03
MW-2	2/7/96	98.53	NA	9.41	89.12
MW-2	2/19/96	98.53	NA	10.67	87.86
MW-2	3/4/96	98.53	NA	9.37	89.16
MW-2	4/2/96	98.53	NA	9.34	89.19
MW-2	5/31/96	98.53	NA	9.66	88.87
MW-2	7/16/96	98.53	NA	9.20	89.33
MW-2	8/29/96	98.53	NA	9.79	88.74
MW-2	11/13/96	98.53	NA	10.55	87.98
MW-2	2/14/97	98.53	NA	10.95	87.58
MW-2	5/22/97	98.53	NA	9.73	88.80
MW-2	11/12/97	98.53	NA	10.82	87.71
MW-2	8/10/98	98.53	NA	9.27	89.26
MW-2	3/17/99	98.53	NA	10.34	88.19

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Table 3. Groundwater Elevation Measurements, One Hour Martinizing Facility, Milwaukee, Wisconsin.

Well Number	Date Measured	TOC <sup>(1)</sup> Elevation	Depth to Product	Depth to Water	Groundwater Elevation
MW-3	8/8/95	98.43	NA	10.43	88.00
MW-3	9/13/95	98.43	NA	10.40	88.03
MW-3	9/22/95	98.43	NA	10.60	87.83
MW-3	9/29/95	98.43	NA	10.93	87.50
MW-3	10/20/95	98.43	10.30	10.93	87.50
MW-3	11/6/95	98.43	9.80	10.08	88.35
MW-3	11/20/95	98.43	10.30	10.41	88.02
MW-3	12/4/95	98.43	10.1	10.18	88.25
MW-3	2/7/96	98.43	NA	10.69	87.74
MW-3	2/19/96	98.43	NA	10.53	87.90
MW-3	3/4/96	98.43	NA	10.36	88.07
MW-3	4/2/96	98.43	NA	10.31	88.12
MW-3	5/31/96	98.43	NA	9.92	88.51
MW-3	7/16/96	98.43	NA	9.59	88.84
MW-3	8/29/96	98.43	9.92	9.95	88.48
MW-3	11/13/96	98.43	10.56	10.57	87.86
MW-3	2/14/97	98.43	NA	10.93	87.50
MW-3	5/22/97	98.43	NA	10.30	88.13
MW-3	11/12/97	98.43	NA	10.76	87.67
MW-3	8/10/98	98.43	NA	9.42	89.01
MW-3	3/17/99	98.43	NA	10.32	88.11
MW-4	8/1/95	98.08	10.01	10.34	87.74
MW-4	9/13/95	98.08	9.95	10.29	87.79
MW-4	9/22/95	98.08	10.25	10.44	87.64
MW-4	9/29/95	98.08	10.32	10.50	87.58
MW-4	10/20/95	98.08	10.33	10.43	87.65
MW-4	11/6/95	98.08	10.12	10.20	87.88
MW-4	11/20/95	98.08	10.15	10.22	87.86
MW-4	12/4/95	98.08	NA	10.23	87.85
MW-4	2/7/96	98.08	10.40	10.42	87.66
MW-4	2/19/96	98.08	10.42	10.70	87.38
MW-4	3/4/96	98.08	NA	10.56	87.52
MW-4	4/2/96	98.08	NA	10.55	87.53
MW-4	5/31/96	98.08	NA	9.62	88.46
MW-4	7/16/96	98.08	NA	9.36	88.72
MW-4	8/29/96	98.08	9.95	10.00	88.08

Footnotes on Page 6.

Table 3. Groundwater Elevation Measurements, One Hour Martinizing Facility, Milwaukee, Wisconsin.

Well Number	Date Measured	TOC <sup>(1)</sup> Elevation	Depth to Product	Depth to Water	Groundwater Elevation
MW-4	11/13/96	98.08	10.15	10.20	87.88
MW-4	2/14/97	98.08	NA	10.66	87.42
MW-4	5/22/97	98.08	NA	10.12	87.96
MW-4	11/12/97	98.08	NA	10.47	87.61
MW-4	8/10/98	98.08	NA	9.09	88.99
MW-4	3/17/99	98.08	NA	9.96	88.12
MW-5	8/1/95	98.24	10.15	10.40	87.84
MW-5	9/13/95	98.24	10.11	10.32	87.92
MW-5	9/22/95	98.24	10.32	10.75	87.49
MW-5	9/29/95	98.24	10.38	10.86	87.38
MW-5	10/20/95	98.24	10.40	10.74	87.50
MW-5	11/6/95	98.24	10.24	10.30	87.94
MW-5	11/20/95	98.24	10.28	10.35	87.89
MW-5	12/4/95	98.24	10.32	10.45	87.79
MW-5	2/7/96	98.24	10.52	10.75	87.49
MW-5	2/19/96	98.24	10.70	10.95	87.29
MW-5	3/4/96	98.24	10.65	10.73	87.51
MW-5	4/2/96	98.24	10.60	10.66	87.58
MW-5	5/31/96	98.24	9.73	9.74	88.50
MW-5	7/16/96	98.24	9.30	9.50	88.74
MW-5	8/29/96	98.24	10.10	10.13	88.11
MW-5	11/13/96	98.24	10.41	10.44	87.80
MW-5	2/14/97	98.24	10.82	10.84	87.40
MW-5	5/22/97	98.24	NA	10.27	87.97
MW-5	11/12/97	98.24	NA	10.68	87.56
MW-5	8/10/99	98.24	NA	9.13	89.11
MW-5	3/17/99	98.24	NA	10.11	88.13
W-10	8/8/95	97.73	NA	9.80	87.93
W-10	9/13/95	97.73	NA	9.79	87.94
W-10	9/22/95	97.73	NA	9.78	87.95
W-10	9/29/95	97.73	NA	9.78	87.95
W-10	10/20/95	97.73	NA	9.78	87.95
W-10	11/6/95	97.73	NA	9.53	88.20
W-10	11/20/95	97.73	NA	9.58	88.15
W-10	12/4/95	97.73	NA	9.72	88.01

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Table 3. Groundwater Elevation Measurements, One Hour Martinizing Facility, Milwaukee, Wisconsin.

Well Number	Date Measured	TOC <sup>(1)</sup> Elevation	Depth to Product	Depth to Water	Groundwater Elevation
W-10	2/7/96	97.73	NA	10.15	87.58
W-10	2/19/96	97.73	NA	10.17	87.56
W-10	3/4/96	97.73	NA	10.08	87.65
W-10	4/2/96	97.73	NA	9.96	87.77
W-10	5/31/96	97.73	NA	9.37	88.36
W-10	7/16/96	97.73	NA	9.13	88.60
W-10	8/29/96	97.73	NA	9.67	88.06
W-10	11/13/96	97.73	NA	9.60	88.13
W-10	2/14/97	97.73	NA	10.43	87.30
W-10	5/22/97	97.73	NA	10.00	87.73
W-10	11/12/97	97.73	NA	10.24	87.49
W-10	8/10/98	97.73	NA	8.85	88.88
W-10	3/17/99	97.73	NA	9.69	88.04
W-11	8/8/95	97.99	NA	9.93	88.06
W-11	9/13/95	97.99	NA	9.92	88.07
W-11	9/22/95	97.99	NA	9.78	88.21
W-11	9/29/95	97.99	NA	10.10	87.89
W-11	10/20/95	97.99	NA	10.09	87.90
W-11	11/6/95	97.99	NA	9.85	88.14
W-11	11/20/95	97.99	NA	9.88	88.11
W-11	12/4/95	97.99	NA	9.97	88.02
W-11	2/7/96	97.99	NA	10.31	87.68
W-11	2/19/96	97.99	NA	10.38	87.61
W-11	3/4/96	97.99	NA	10.32	87.67
W-11	4/2/96	97.99	NA	10.26	87.73
W-11	5/31/96	97.99	NA	9.34	88.65
W-11	7/16/96	97.99	NA	9.09	88.90
W-11	8/29/96	97.99	NA	9.83	88.16
W-11	11/13/96	97.99	NA	10.15	87.84
W-11	2/14/97	97.99	NA	10.61	87.38
W-11	5/22/97	97.99	NA	9.97	88.02
W-11	11/12/97	97.99	NA	10.48	87.51
W-11	8/10/98	97.99	NA	8.86	89.13
W-11	3/17/99	97.99	NA	9.85	88.14

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Table 3. Groundwater Elevation Measurements, One Hour Martinizing Facility, Milwaukee, Wisconsin.

Well Number	Date Measured	TOC <sup>(1)</sup> Elevation	Depth to Product	Depth to Water	Groundwater Elevation
W-13A	8/8/95	97.51	NA	9.55	87.96
W-13A	9/13/95	97.51	NA	9.54	87.97
W-13A	9/22/95	97.51	NA	9.26	88.25
W-13A	9/29/95	97.51	NA	9.26	88.25
W-13A	10/20/95	97.51	NA	9.25	88.26
W-13A	11/6/95	97.51	--	--	--
W-13A	11/20/95	97.51	NA	9.1	88.41
W-13A	12/4/95	97.51	--	--	--
W-13A	2/7/96	97.51	NA	9.88	87.63
W-13A	2/19/96	97.51	NA	9.55	87.96
W-13A	3/4/96	97.51	NA	9.34	88.17
W-13A	4/2/96	97.51	NA	9.34	88.17
W-13A	5/31/96	97.51	NA	8.98	88.53
W-13A	7/16/96	97.51	NA	8.60	88.91
W-13A	8/29/96	97.51	NA	9.11	88.40
W-13A	11/13/96	97.51	NA	9.70	87.81
W-13A	2/14/97	97.51	NA	10.02	87.49
W-13A	5/22/97	97.51	NA	9.42	88.09
W-13A	11/12/97	97.51	NA	9.82	87.69
W-13A	8/10/98	97.51	NA	8.60	88.91
W-13A	3/17/99	97.51	NA	9.51	88.00

(1) Benchmark; top of fire hydrant; assumed elevation equal to 100.0 feet.

TOC Top of casing.

-- Data not available.

NA Not applicable.

Depth to product and depth to water are presented in feet.