

GIS REGISTRY  
Cover Sheet

March, 2010  
(RR 5367)

Source Property Information

BRRTS #: 02-41-538011  
ACTIVITY NAME: Northeast Quadrant of USH 45 at West Hampton Avenue  
PROPERTY ADDRESS: 11628 11512 & 11300 W. Hampton Ave & 5063 N Lovers Lane Rd  
MUNICIPALITY: Milwaukee  
PARCEL ID #: 2179982100, 2189975100 & 2189981000

CLOSURE DATE: 08/19/2010  
FID #: 341106370  
DATCP #:  
COMM #:

\*WTM COORDINATES:

X: 678089 Y: 294588

\*Coordinates are in  
WTM83, NAD83 (1991)

WTM COORDINATES REPRESENT:

- Approximate Center Of Contaminant Source
- Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

Contaminated Media:

Groundwater Contamination > ES (236)

- Contamination in ROW
- Off-Source Contamination

(note: for list of off-source properties  
see "Impacted Off-Source Property" form)

Soil Contamination > \*RCL or \*\*SSRCL (232)

- Contamination in ROW
- Off-Source Contamination

(note: for list of off-source properties  
see "Impacted Off-Source Property" form)

Land Use Controls:

- N/A (Not Applicable)
- Soil: maintain industrial zoning (220)  
(note: soil contamination concentrations  
between non-industrial and industrial levels)
- Structural Impediment (224)
- Site Specific Condition (228)

- Cover or Barrier (222)  
(note: maintenance plan for  
groundwater or direct contact)
- Vapor Mitigation (226)
- Maintain Liability Exemption (230)  
(note: local government unit or economic  
development corporation was directed to  
take a response action)

Monitoring Wells:

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 #: 02-41-538011 PARCEL ID #: 2179982100, 2189975100 & 2189981000  
ACTIVITY NAME: Northeast Quad of USH 45 and W. Hampton Ave. WTM COORDINATES: X: 678089 Y: 294588

**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.)
- 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 #:**                      **Title:**
- 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 8.5 x 14 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: Property Layout and Investigation 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 #: 2**                      **Title: Property Layout and Investigation Locations**

BRRTS #: 02-41-538011

ACTIVITY NAME: Northeast Quad of USH 45 and W. Hampton Ave.

**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: Geologic Cross Section**

**Figure #: Title:**

- 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 #: 5 Title: Vinyl Chloride ES Exceedance Area and Contour Map**

- 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: Vinyl Chloride ES Exceedance Area and Contour Map**

**Figure #: Title:**

**TABLES (meeting the requirements of s. NR 716.15(2)(h)(3))**

Tables must be no larger than 8.5 x 14 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 #: 2, 3 & 4 Title: Summary of Soil Sampling 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 #: 6 Title: Groundwater Sampling 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 #: 7 Title: Groundwater Elevations**

**IMPROPERLY ABANDONED MONITORING WELLS**

For each monitoring well not properly abandoned according to requirements of s. NR 141.25 include the following documents.

**Note:** If the site is being listed on the GIS Registry for only an improperly abandoned monitoring well you will only need to submit the documents in this section for the GIS Registry Packet.

- Not Applicable**

- Site Location Map:** A map showing all surveyed monitoring wells with specific identification of the monitoring wells which have not been properly abandoned.

**Note:** If the applicable monitoring wells are distinctly identified on the Detailed Site Map this Site Location Map is not needed.

**Figure #: Title:**

- Well Construction Report:** Form 4440-113A for the applicable monitoring wells.

- Deed:** The most recent deed as well as legal descriptions for each property where a monitoring well was not properly abandoned.

- Notification Letter:** Copy of the notification letter to the affected property owner(s).

BRRTS #: 02-41-538011

ACTIVITY NAME: Northeast Quad of USH 45 and W. Hampton Ave.

**NOTIFICATIONS**

**Source Property**

- 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.

- 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.

- 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

Jim Doyle, Governor  
Matthew J. Frank, Secretary  
Gloria L. McCutcheon, Regional Director

Southeast Region Headquarters  
2300 N. Dr. Martin Luther King, Jr. Drive  
PO Box 12436  
Milwaukee, Wisconsin 53212-0436  
Telephone 414-263-8500  
FAX 414-263-8716  
TTY 414-263-8713

August 19, 2010

Mr. Ken Wade  
Wisconsin Department of Transportation  
141 NW Barstow Street  
Waukesha, WI 53188-0798

SUBJECT: Final Case Closure with Continuing Obligations, Northeast Quadrant of USH 45 at West Hampton Avenue, Milwaukee, FID # 341106370, BRRTS # 02-41-536011

Dear Mr. Wade:

On August 19, 2010 the Department reviewed the above referenced case for closure. The Department reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On June 16, 2010, you were notified that the department had granted conditional closure to this case.

On 07/13/2010 the Department received information or documentation indicating that you have complied with the requirements for final closure. The condition of closure was to abandon the monitoring wells on-site and submit the monitoring wells abandonment forms

The Department reviewed the case closure request regarding the soil and groundwater in at this site. Based on the correspondence and data provided, it appears that your case meets the closure requirements in ch. NR 726, Wisconsin Administrative Code. The Department considers this case closed and no further investigation or remediation is required at this time. However, you and future property owners must comply with certain continuing obligations as explained in this letter.

### GIS Registry

This site will be listed on the Remediation and Redevelopment Program's GIS Registry. The specific reasons are summarized below:

- Residual soil contamination exists that must be properly managed should it be excavated or removed
- Before the land use may be changed from industrial to non-industrial, additional environmental work must be completed
- A soil barrier must be maintained over contaminated soil and the state must approve any changes to this barrier
- Groundwater contamination is present above Chapter NR 140 enforcement standards

This letter and information that was submitted with your closure request application will be included on the GIS Registry. To review the sites on the GIS Registry web page, visit the RR Sites Map page at <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. If the property is listed on the GIS Registry because of remaining contamination and you intend to construct or reconstruct a well, you will need prior Department approval in accordance with s. NR 812.09(4)(w), Wis. Adm. Code. To obtain approval,

Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line <http://dnr.wi.gov/org/water/dwg/3300254.pdf> or at the web address listed above for the GIS Registry.

### Closure Conditions

Please be aware that pursuant to s. 292.12 Wisconsin Statutes, compliance with the requirements of this letter is a responsibility to which you the current property owner and any subsequent property owners must adhere. You must pass on the information about these continuing obligations to the next property owner or owners. If these requirements are not followed or if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, welfare, or the environment, the Department may take enforcement action under s. 292.11 Wisconsin Statutes to ensure compliance with the specified requirements, limitations or other conditions related to the property or this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code. The Department intends to conduct inspections in the future to ensure that the conditions included in this letter including compliance with referenced to Exhibit A, CAP MAINTENANCE PLAN and Exhibit B, SOIL COVER INSPECTION LOG are met

### Residual Soil Contamination

Residual soil contamination remains at TP-8, 15, 16, and TP-21 as indicated on attached Tables 3, 4 and 6 and shown on Figure 2 in the information submitted to the Department of Natural Resources. If soil in the specific locations described above is excavated in the future, then pursuant to ch. NR 718 or, if applicable, ch. 289, Stats., and chs. 500 to 536, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner 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. In addition, all current and future owners and occupants of the property 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.

### Impervious Barrier Required

Pursuant to s. 292.12(2)(a), Wis. Stats., the pavement or other impervious cap that currently exists in the location shown on the attached map 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. If soil in the specific locations described above is excavated in the future, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner 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 statutes and rules. In addition, all current and future owners and occupants of the property 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 during excavation activities to prevent a health threat to humans.

### Prohibited Activities

The following activities are prohibited on any portion of the property where [pavement, a building foundation, soil cover, engineered cap or other barrier] is required as shown on the attached map, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources: 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; 6) construction or placement of a building or other structure.

#### Residual Groundwater Contamination

Groundwater impacted by vinyl chloride at MW- 4 and MW-5 contamination greater than enforcement standards set forth in ch. NR140, Wis. Adm. Code, is present on this contaminated property. For more detailed information regarding the locations where groundwater samples have been collected (i.e., monitoring well locations) and the associated contaminant concentrations, refer to the Remediation and Redevelopment Program's GIS Registry at the RR Sites Map page at <http://dnr.wi.gov/org/aw/rr/gis/index.htm>.

#### Dewatering Permits

The Department's Watershed Management Program regulates point source discharges of contaminated water, including discharges to surface waters, storm sewers, pits or to the ground surface. This includes discharges from construction related dewatering activities, including utility and building construction.

Based on the concentrations of contaminants remaining in groundwater at this location, it appears likely that dewatering activities would require a permit from the Watershed Management Program. If you or any other person plan to conduct such activities, you or that person must contact that program, and if necessary, apply for the necessary discharge permit. Additional information regarding discharge permits is available at <http://www.dnr.state.wi.us/org/water/wm/www/>

#### Post-Closure Notification Requirements

In accordance with ss, 292.12 and 292.13, Wis. Stats., you must notify the Department before making changes that affect or relate to the conditions of closure in this letter. For this case, examples of changed conditions requiring prior notification include, but are not limited to:

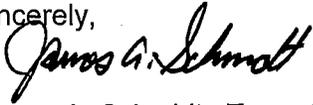
- Development, construction or other changes, including zoning changes, that change the land use from industrial to non-industrial
- Disturbance, construction on, change or removal in whole or part of pavement, an engineered cover or a soil barrier that must be maintained over contaminated soil

Please send written notifications in accordance with the above requirements to SER, RR Office, Milwaukee, to the attention of SER, RR Program Assistant, Milwaukee, Milwaukee County

The following DNR fact sheet, RR-819, "Continuing Obligations for Environmental Protection" has been included with this letter, to help explain a property owner's responsibility for continuing obligations on their property. If the fact sheet is lost, you may obtain a copy at <http://dnr.wi.gov/org/aw/rr/archives/pubs/RR819.pdf>.

The Department 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 Binyoti F. Amungwafor at 414-263-8607

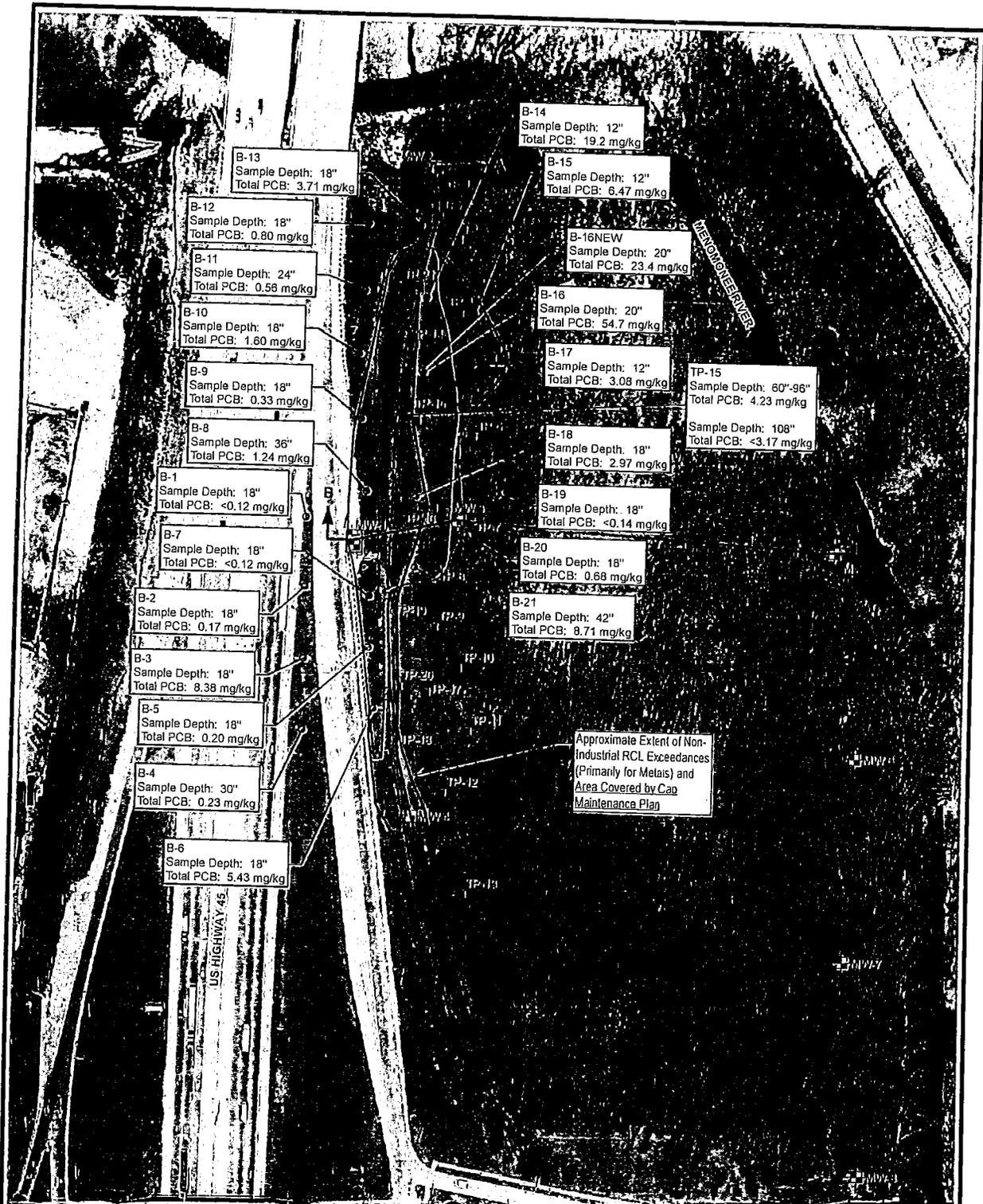
Sincerely,



James A. Schmidt, Team Supervisor  
SER Remediation & Redevelopment Program

Attachments: Site Map Showing Remaining Soil Contamination Location  
Maintenance Plan & Soil Cover and Inspection Log  
RR 819

cc:Mr. Ken Yass, RMT Inc., 150 North Patrick Blvd, Suite 180, Brookfield WI 53045  
Case File



CROSS SECTIONS DESIGNATED IN RED AS A-A' AND B-B' ARE DETAILED IN FIGURE 3.

**LEGEND**

- Monitoring Wells (PZ = Piezometer)
- Hand Augers - May 2009
- Test Pit - June 2006
- Chain-Link Fence
- Geotextile Liner
- Approximate Horizontal Limit of Buried Waste (Dashed Where Inferred)
- RCL Exceeded in Soil Sample(s)



**NOTES**

1. Base Map - 2005 SEWRPC Aerial

PROJECT PROPERTY LAYOUT, INVESTIGATIVE LOCATIONS  
 NORTHEAST QUADRANT OF USH 45 AND HAMPTON AVE.  
 MILWAUKEE, WISCONSIN

SHEET TITLE  
 WISDOT PROJECT ID 1009-03-51  
 (FORMER ID 1100-10-75)  
 MILWAUKEE COUNTY PROJECT ID 5082-06806

DRAWN BY WEBERN	SCALE	PROJ NO 1073707
CHECKED BY YASSK	AS NOTED	FILE NO 107370704
APPROVED BY	DATE PRINTED	
DATE JANUARY 2010	1/12/2010	<b>FIGURE 2</b>



744 Highland Trail  
 Madison, WI 53717-1934  
 P.O. Box 3923 53708-8923  
 Phone 608-231-4444  
 Fax 608-431-3334

# Exhibit A

## **CAP MAINTENANCE PLAN**

Date: March 18, 2010  
Property Located: West Hampton Avenue and US Highway 45, Milwaukee  
WDNR BRRTS # 02-41-538011

### ***Introduction***

This document is the Cap Maintenance Plan for a soil cover at the above-referenced property in accordance with the requirements of s. NR 724.13(2), Wisconsin Administrative Code. The maintenance activities relate to the cap over the area of contaminated soil on-site as delineated on the attached maps (Exhibit A). The primary constituents of concern in soil at the site are polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), lead and xylenes. The location of the existing capped area as delineated in Exhibit A will be maintained in accordance with this Cap Maintenance Plan.

### ***Cover Purpose***

The existing vegetated soil cover over the contaminated soil serves as a barrier to prevent direct human contact with residual soil contamination that might otherwise pose a threat to human health. The existing soil cover also acts as a partial infiltration barrier to minimize future soil-to-groundwater contamination migration. Based on the current and future use of the property (undeveloped park land), the existing soil barrier should function as intended unless disturbed.

### ***Annual Inspection***

The soil cover overlying the contaminated soil as depicted in Exhibit A will be inspected once a year, normally in the spring after all snow and ice is gone, for erosion, settlement, animal burrows, and other deterioration of the soil cover that can cause exposure to underlying contaminated soils or allow additional infiltration. Areas where the cap has become or is likely to become compromised will be documented and repaired as needed to maintain protection against direct human contact and maintain the partial infiltration barrier.

A log of the inspections and any repairs will be maintained by the property owner and is included as Exhibit B, Cap Inspection Log. The log will include recommendations for necessary repair of any areas where underlying debris and soils are exposed. Once repairs are completed, they will also be documented in the inspection log. Copies of the inspection log will be available for review by the Wisconsin Department of Natural Resources ("WDNR"). Copies of the inspection log will be kept at the Parks Administration Building, 9480 Watertown Plank Road, Wauwatosa, WI 53226.

### ***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. Typically the cover will be repaired by placing additional clean soil over the problem areas, tapering it into the surrounding area and re-vegetating it as soon as possible. In the event that construction or maintenance activities expose the underlying soil, the owner will inform maintenance workers of the direct contact exposure hazard and provide them with appropriate personal protection equipment ("PPE"). The owner must also sample any debris and soil that is excavated from the site prior to disposal to ascertain if contamination remains. The soil must be treated, stored and disposed of by the owner in accordance with applicable local, state and federal law.

In the event the existing cover over contaminated soil is removed or replaced, the replacement barrier will be constructed equal to or better than the previous soil cap. 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 soil cover, will maintain a copy of this Cap Maintenance Plan at its offices at Parks Administration Building, 9480 Watertown Plank Road, Wauwatosa, WI 53226, and make it available to all interested parties (i.e. on-site employees, contractors, future property owners, etc.) for viewing.

***Amendment or Withdrawal of Maintenance Plan***

This Cap Maintenance Plan can be amended or withdrawn by the property owner and its successors with the written approval of WDNR.

***Contact Information as of March 2010***

Wisconsin Department of Transportation  
Contact: Mr. Ken Wade  
141 NW Barstow Street  
Waukesha, Wisconsin 53187  
(262) 548-6733  
WisDOT Project ID 1009-03-51 (Closed Sites),  
Former ID No. 1100-10-75

Milwaukee County  
Dept. of Parks, Recreation and Culture  
Milwaukee County Parks Director  
9480 Watertown Plank Road  
Wauwatosa, WI 53226  
(414) 257-7275

RMT, Inc.  
Contact: Mr. Ken Yass  
150 North Patrick Boulevard, Suite 180  
Brookfield, Wisconsin 53045-5854  
(262) 879-1212

Milwaukee County  
DTPW—Environmental Services  
Contact: Mr. Tim Detzer  
2711 West Wells #123  
Milwaukee, Wisconsin 53208  
(414) 278-2988

**Exhibit B**

**SOIL COVER INSPECTION LOG**

**Milwaukee County Undeveloped Park Land  
Northeast Quadrant of West Hampton Avenue and US Highway 45  
Milwaukee, Wisconsin - WDNR BRRS No. 02-41-538011**

**Inspection Date:** \_\_\_\_\_  
**Inspector's Name:** \_\_\_\_\_  
**Inspector's Signature:** \_\_\_\_\_

<b>Condition of Cap</b>	
<b>Recommendation</b>	
<b>Have recommendations from previous inspection been implemented?</b>	



**State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES**

Jim Doyle, Governor  
Matthew J. Frank, Secretary  
Gloria L. McCutcheon, Regional Director

Southeast Region Headquarters  
2300 N. Dr. Martin Luther King, Jr. Drive  
PO Box 12436  
Milwaukee, Wisconsin 53212-0436  
Telephone 414-263-8500  
FAX 414-263-8716  
TTY 414-263-8713

June 10, 2010

Mr. Ken Wade  
Wisconsin Department of Transportation  
141 NW Barstow Street  
Waukesha, WI 53188-0798

Subject: Conditional Closure, with requirements to achieve final closure, Northeast Quadrant of USH 45 at West Hampton Avenue, Milwaukee FID # 341106370, BRRTs # 02-41-538011

Dear Mr. Wade:

On June 10, 2010 your request for closure of the case described above was reviewed by the Department of Natural Resources (Department). The Department reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. Information submitted to the Department for closure request include soil data with cap maintenance plan for GIS registry and groundwater data for ch. NR 140 Wis. Adm. Code – Preventive Action Limit exemption. After a careful review of the closure request the department has determined that the various organic compounds, polycyclic aromatic hydrocarbons and metal contamination on the property resulting from previous site use appear to have been remediated to the extent practicable under site conditions. Your case will be closed under s. NR 726.05. Adm. Code if the following condition satisfied.

MONITORING WELL ABANDONMENT

The monitoring wells at the site must be properly abandoned in compliance with ch. NR 141 Wis. Adm. Code. Documentation of well abandonment must be submitted to the Department on Form 3300-5B found at [www.dnr.state.wi.us/org/water/dwg/gw](http://www.dnr.state.wi.us/org/water/dwg/gw) or provided by the Department. When the indicated condition has been satisfied, please submit a letter to the program assistant about having met the condition and your case will be closed.

Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the registry. To review the sites on the GIS Registry Web page, visit <http://maps.dnr.state.wi.us/brrts>.

Please be aware that the case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or the environment.

We appreciate your efforts to restore the environment at this site to productive use. If you have any questions regarding this letter, please contact me at (414)263-8607.

Sincerely,

Binyoti F. Amungwafor  
Hydrogeologist

CC: Mr. Ken Yass, RMT Inc., 150 North Patrick Blvd, Suite 180, Brookfield, WI 53045  
Case File

150  
STI REC  
5-8-18-1-6-4064872  
NOV-12-63

This indenture, Made this 11th day of November, A. D., 1963, between CLETUS FREIBURGER, also known as CLETUS H. FREIBURGER, single,

party of the first part, and MILWAUKEE COUNTY, a municipal body corporate, duly organized and existing under and by virtue of the laws of the State of Wisconsin, located at Milwaukee County, Wisconsin, party of the second part.

Witnesseth That the said party of the first part, for and in consideration of the sum of One (\$1.00) Dollar and other good and valuable consideration

to him in hand paid by the said party of the second part, the receipt whereof is hereby confessed and acknowledged, has given, granted, bargained, sold, remised, released, aliened, conveyed and confirmed, and by these presents does give, grant, bargain, sell, remise, release, alien, convey and confirm unto the said party of the second part, its successors and assigns forever, the following described real estate, situated in the County of Milwaukee and State of Wisconsin, to-wit:

That part of the South East One-quarter (1/4) of the South West One-quarter (1/4) of Section Thirty-one (31), in Township Eight (8) North, Range Twenty-one (21) East, in the City of Milwaukee, bounded and described as follows: Commencing at a point in the South line of said 1/4 Section 162.00 feet West of the South East corner thereof, running thence West along said South line 180.21 feet to a point; thence North and parallel with the East line of said 1/4 Section 1314.22 feet to a point; thence East and parallel with the South line of said 1/4 Section 342.21 feet to a point in the East line of said 1/4 Section; thence South 0° 42' 30" West along the East line of said 1/4 Section 618.02 feet to a point; thence South 88° 38' West on a line 217.06 feet to a point; thence South 3° 50' 30" East 692.52 feet to the point of commencement, containing 7.3 acres of land, more or less.

Together with all and singular the hereditaments and appurtenances thereunto belonging or in any wise appertaining; and all the estate, right, title, interest, claim or demand whatsoever, of the said party of the first part, either in law or equity; either in possession or expectancy of, in and to the above bargained premises, and their hereditaments and appurtenances.

To have and to hold the said premises as above described with the hereditaments and appurtenances, unto the said party of the second part, and to its successors and assigns FOREVER.

And the said CLETUS FREIBURGER, also known as CLETUS H. FREIBURGER, single, party of the first part,

for himself, his heirs, executors and administrators, does covenant, grant, bargain and agree to and with the said party of the second part, its successors and assigns, that at the time of the ensembling and delivery of these presents he is well seized of the premises above described, as of a good, sure, perfect, absolute and indefeasible estate of inheritance in the law, in fee simple, and that the same are free and clear from all incumbrances whatever, except laws and ordinances regulating and restricting the use of the above-described premises, and except rights of the public in the portion of the above-described premises lying below the ordinary highwater mark of the Menomonee River, and except rights of the public in so much of the above-described premises as are affected by Ordinance (1410) adopted by the Board of Supervisors of Milwaukee County June 29, 1926, establishing the width of Hampton Road at 110 feet, together with rights of the public in that portion of the said premises lying within the limits of said road and not affected by said ordinance, and except easements recorded in the office of the Register of Deeds for Milwaukee County, Wisconsin as Document Nos. 1854372, 2893098 and 3012113,

This instrument was drafted by Raymond Poeschel of the Milwaukee County Park Commission

150

and that the hereinabove bargained premises in the quiet and peaceable possession of the said party of the second part, its successors and assigns, against all and every person or persons lawfully claiming the whole or any part thereof, he will forever WARRANT AND DEFEND.  
In Witness Whereof, the said party of the first part has hereunto set his hand and seal this 11th day of November, A. D., 1963.

WITNESSED AND SEALED IN PRESENCE OF

*Shirley C. Flagg*  
Shirley C. Flagg  
*Raymond Peeschek*  
Raymond Peeschek

*Cletus H. Freiburger* (SEAL)  
Cletus H. Freiburger (SEAL)  
(SEAL)  
(SEAL)  
4064872 (SEAL)

REGISTER'S OFFICE  
Milwaukee County, Wis.  
RECORDED AT 455A  
on NOV 12 1963 in  
Reel 163 Image 424-425  
*Clyde M. Holman*  
REGISTER OF DEEDS

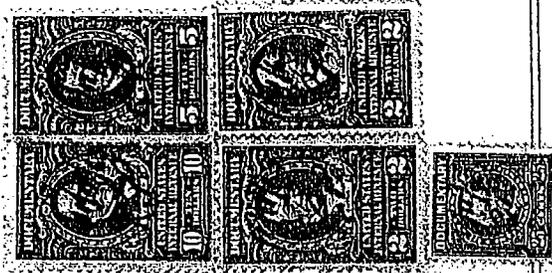
State of Wisconsin, } ss.  
Milwaukee County, }

Personally came before me, this 11th day of November, A. D., 1963, the above named CLETUS FREIBURGER, also known as CLETUS H. FREIBURGER, single

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



*Raymond Peeschek*  
Raymond Peeschek  
Notary Public, Milwaukee County, Wis.  
My commission expires May 31, A. D., 1964.



N. CLETUS FREIBURGER, also known as CLETUS H. FREIBURGER, single TO MILWAUKEE COUNTY, a municipal body corporate  
**Warranty Deed**

This space reserved for Register of Deeds

Legal Description Approved  
By *John W. Bellamy* Date 11/8/63  
Approved for Execution  
By *R. P. Marshall* Date 11-8-63  
RETURN TO MILW. COUNTY PARK COMM.  
Box 274

WISCONSIN LEGAL BLANK COMPANY  
MILWAUKEE, WISCONSIN

150

ST Rec

JAN-16-64 4 12 3 1 4 4077605

This instrument was drafted by Raymond Pessick of the Milwaukee County Park Commission

WARRANTY DEED--To Corporation

REEL 172 IMAGE 1464  
STATE OF WISCONSIN  
FORM No. 1

Wisconsin Legal Blank Company  
Milwaukee, Wisconsin 53247

**This indenture**, Made this 16th day of January, A. D., 1964, between WAYLAND C. RANSOM and ALVINA RANSOM, his wife,

parties of the first part, and MILWAUKEE COUNTY, a municipal body corporate, Corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin, located at Milwaukee, Wisconsin, party of the second part.

Witnesseth, That the said parties of the first part, for and in consideration of the sum of One (\$1.00) Dollar and other good and valuable consideration

to them in hand paid by the said party of the second part, the receipt whereof is hereby confessed and acknowledged, have given, granted, bargained, sold, remised, released, aliened, conveyed and confirmed, and by these presents do give, grant, bargain, sell, remise, release, alien, convey and confirm unto the said party of the second part, its successors and assigns forever, the following described real estate, situated in the County of Milwaukee and State of Wisconsin, to-wit:

That part of the South East One-quarter (1/4) of Section Thirty-one (31), in Township Eight (8) North, Range Twenty-one (21) East, in the City of Milwaukee, bounded and described as follows: Commencing at the South West corner of said 1/4 Section, running thence North along the West line of said 1/4 Section 680 feet to a point; thence East and parallel with the South line of said 1/4 Section 128.12 feet to a point; thence South and parallel with the West line of said 1/4 Section 680 feet to a point in the South line of said 1/4 Section; thence West along the South line of said 1/4 Section 128.12 feet to the place of beginning, containing 2 acres of land, more or less.

4077605

REGISTERS OFFICE  
Milwaukee County, Wis.

RECORDED AT

on JAN 16 1964 in  
Reel 172 Image 1464-1465

Clyde M. Helmer  
REGISTER OF DEEDS

Together with all and singular the hereditaments and appurtenances thereunto belonging or in any wise appertaining; and all the estate, right, title, interest, claim or demand whatsoever, of the said parties of the first part, either in law or equity, either in possession or expectancy of, in and to the above bargained premises, and their hereditaments and appurtenances.

To have and to hold the said premises as above described with the hereditaments and appurtenances, unto the said party of the second part, and to its successors and assigns FOREVER.

And the said WAYLAND C. RANSOM and ALVINA RANSOM, his wife, parties of the first part, for themselves, their heirs, executors and administrators, do covenant, grant, bargain and agree to and with the said party of the second part, its successors and assigns, that at the time of the ensenling and delivery of these presents they are well seized of the premises above described, as of a good, sure, perfect, absolute and indefeasible estate of inheritance in the law, in fee simple, and that the same are free and clear from all incumbrances whatever, except laws and ordinances regulating and restricting the use of the above-described premises, and except rights of the public in so much of the above-described premises as are affected by Ordinance (1410) adopted by the Board of Supervisors of Milwaukee County June 29, 1926, establishing the width of Hampton Road (now West Hampton Avenue) at 110 feet, together with rights of the public in that portion of the said premises lying within the limits of said road and not affected by said ordinance,

and that the above bargained premises in the quiet and peaceable possession of the said party of the second

150

part, its successors and assigns, against all and every person or persons lawfully claiming the whole or any part thereof, they will forever WARRANT AND DEFEND.

In Witness Whereof, the said parties of the first part have hereunto set their hands and seals this 16th day of January, A. D., 1964

SIGNED AND SEALED IN PRESENCE OF

Raymond Peeschek  
Raymond Peeschek  
Bernard J. Krueger

Wayland C. Ransom (SEAL)  
Alvina Ransom (SEAL)

State of Wisconsin, }  
Milwaukee County, } ss.

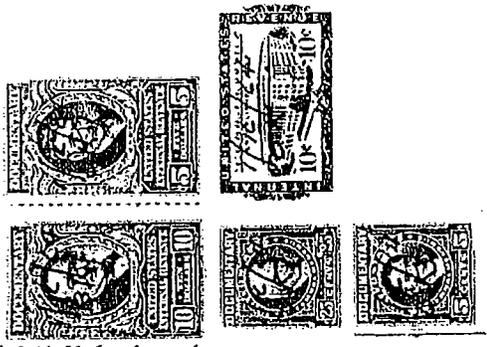
Personally came before me, this 16th day of January, A. D., 1964, the above named WAYLAND C. RANSOM and ALVINA RANSOM, his wife,

to me known to be the persons who executed the foregoing instrument and acknowledged the same.



Raymond Peeschek  
Raymond Peeschek  
Notary Public, Milwaukee County, Wis.

My commission expires May 31, A. D., 1964



No. WAYLAND C. RANSOM and ALVINA RANSOM, his wife TO MILWAUKEE COUNTY, a municipal body corporate.

Warranty Deed

REGISTER'S OFFICE State of Wisconsin County. Received for Record this day of at o'clock M., and recorded in Vol. of Deeds on page.

Legal Description Approved By: [Signature] Date 1-14-64 For Execution By: [Signature] Date 1-14-64 RETURN TO MILW. COUNTY PARK COMM. Box 274

Wisconsin Legal Blank Company Milwaukee, Wisconsin

218-9975-100

218-04

11512 W HAMPTON AVE

340

LANDS IN SW 1/4 SEC 31-8-21

THE E 342.21' OF SE 1/4 OF SD 1/4 SEC EXC (S 33' FOR ST &  
THAT PART CONVEYED TO STATE OF WIS BY W D REC AS DOC NO  
446971C FOR HIGHWAY PURPOSES)

Granville 5550-F

Com 162' W of SE cor SW 1/4 Sec 31-8-21E W 180.21' N 1314.22' E 342.21' S 618.02' Wly 217.06' Sely 692.52' to beg. Cont. 7.306 Ac.

Key No.

Abstracter *[Signature]*

Date 8/19/59

213-49-3-100

X

W.D. 3.85

Date 1/5/55

Rec'd 4/9/57

Doc. No. 3569951

3687  
399

Herman H. Garcia & Betty (Law)

Oletus Freiburger

11514 W. Hampton Ave ✓

FEE R163-424  
PART

W.D. \* \$19.25 Stamps 11-11-63

Oletus Freiburger, a/k/a  
Oletus H. Freiburger, single

11-12-63

Milwaukee County

1061872

409. Perschak  
Rm 308 Emil Hempel

\* That part of the SE 1/4 of the SW 1/4 of Sec 31-8-21E, in the City of Milwaukee, bounded & described as follows; Com at a pt in the S/L of sd 1/4 Sec 162' W of the SE cor thereof; run th W alg sd S/L 180.21' to a pt; th N & par with the E/L of sd 1/4 Sec 1314.22' to a pt; th E & par with the S/L of sd 1/4 Sec 342.21' to a pt in the E/L of sd 1/4 Sec; th S 0° 42' 30" W alg the E/L of sd 1/4 Sec 618.02' to a pt; th S 88° 38' W on a line 217.06' to a pt; th S 3° 59' 30" E 692.52' to the pt of comm, cont 7.3 acres of land more or less.

PARK ①

Granville 5550-A

21

Key No.

Com at SE cor S1/4 Sec 31-8-21E th N 696.2' Wly 217.06' SEly 692.52' to S4-11  
11 E 162' Cont. 3.018 Ac.

Abstracter [Signature]

Date 8/19/59

PART

2987  
559

W.D. 17

Date 2/27/52

Rec'd 3/3/52

Doc. No. 5092152

Henry J. Bath & Son (Inc)

M. Lumber Co  
c/o Roy Research  
P.O. Box 216 - Grand Haven

217-9982-100

217 17

11300 W HAMPTON AVE

80562

LANDS IN SE 1/4 SEC 31-8-21

COM 55' N OF SW COR SD 1/4 SEC-TH N TO WLY LI N LOVER'S  
LANE RD-TH SLY ALG SD W LI TO N LI W HAMPTON AVE-TH W ALG  
SD N LI TO BEG

Key No. 217-9982-100 Abstractor \_\_\_\_\_ Date \_\_\_\_\_

FEE PART	3338-360	W.D. \$2.75 Stps Andrew B. Culbertson & Catherine M. " hw	Date 9-8-54	Rec'd 9-16-54 Milwaukee County	Doc. No. 3328198
FEE PART	3329-103	W.D. \$1.50 Stps Louis Gross, widower	10-19-38	8-25-54 Andrew B. Culbertson & Catherine M. " hw	3321722
FEE PART	4256-406	Cert. of Surv. Robert L. Bauer, dec'd died 1-11-61, Probate #387-935	7-6-62	7-9-62 Ella Bauer,	
FEE PART	R281-2208	W.D. # \$13.75 Stps Ella Bauer	11-26-65	11-25-65 Milwaukee County	4222703 fl
FEE PART	2340-595	Q.C.D. Alvina Ransom	1-27-47	2-25-47 Wayland G. Ransom & Alvina " hw	2696909
FEE PART	R172-1464	W.D. @ \$15.40 Stps Wayland G. Ransom & Alvina " hw	1-16-64	1-16-64 Milwaukee County	4077605 mp
EASEMENT	R436-1398	Easement @ \$1.00 & Milwaukee County	5-24-68	8-23-68 City of Milwaukee	4413085 mjk

Granville D-102300 Com W 11 & 680' N of SW cor of SE 1/4 Sec 31-8-21E (th E-192.78' Sly 243.52' SE 1/4 265.66' Sly 265.31' to S 11 set Sec E to Wly 11 Lovers Lane Rd NWly alg Wly 11 ad Roadway to W 11 set Sec 3 to beg. (EXEMPT)

Key No. Abstract Date

1403 118  
 Lower Larson & Josephine (wid)  
 Milwaukee County  
 35 W. Greenfield  
 Box 308, Canal House

1403 119  
 Lower Larson & Josephine (wid)  
 Milwaukee County

1403 120  
 Katherine (wid)  
 Milwaukee County

3491  
 Don J. Alden

CLOUD ON TITLE  
 3495  
 1420 1420  
 9/25/55 10/12/55 3427040  
 Edward E. Whelan & Margaret D. (wid)  
 Edward E. Whelan, Inc.

EASEMENT R402-727  
 Easement \$1.00 & 11-10-67 1-31-68 4371364 mjk  
 County of Milwaukee City of Milwaukee

FEE R406-7  
 Q.C.D. \$1.00 & 2-23-68 2-28-68 4375832 mjk  
 Milwaukee County State of Wisconsin  
 PART OF HAMILTON AVE  
 PART OF LOVERS LANE RD

EASEMENT R429-1632  
 Easement \$6 6-6-68 7-15-68 4404655 mjk  
 Milwaukee County Wisconsin Gas Company

218-9951

30

5550

LANDS IN SW 1/4 SEC 31-8-21

N 342.21° OF E 684.42° OF S 1314.22° OF SW 1/4 SEC



8-6-65

Key No. 218-998-300

Abstractor

Date

218-9981

~~FEE~~ 2427-89

W.D. \$38.65 Stamps  
Tiebs Bros. Radio Company  
& ORE

Date

2-11-65

Doc. No. 2749065

Carl Wm. Knoernschild &  
Lucille Ann " hw

~~FEE~~ R233-411

W.D. \* \$1.00 &  
Carl Wm. Knoernschild &  
Lucille Ann " hw

2-11-65

2-11-65

4159691 mp

International Trading Co.

FEE R233-422  
PT

W.D. \$ 335.75 Stamps  
International Trading Co.

2-11-65

2-11-65

4159695 mp

Milwaukee County To & Draft for 10%  
Circuit Court 1/2

XWAY N.H. 9981

Note Enlist 110-1148 # 139788A (DORVAN - T.M. 211 Co) REC'D BY  
R. 302-6, # 485K785.

Key No ~~218-9975~~

Abstractor \_\_\_\_\_ Date \_\_\_\_\_

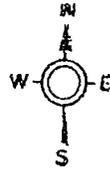
218-9981

For  
PAA  
XVII N 218 9981

N.D. # 895,900-70	Date 6-17-69	Rec'd 6-17-69	Doc. No. 44(9981)
Milwaukee County		State of Wisconsin	

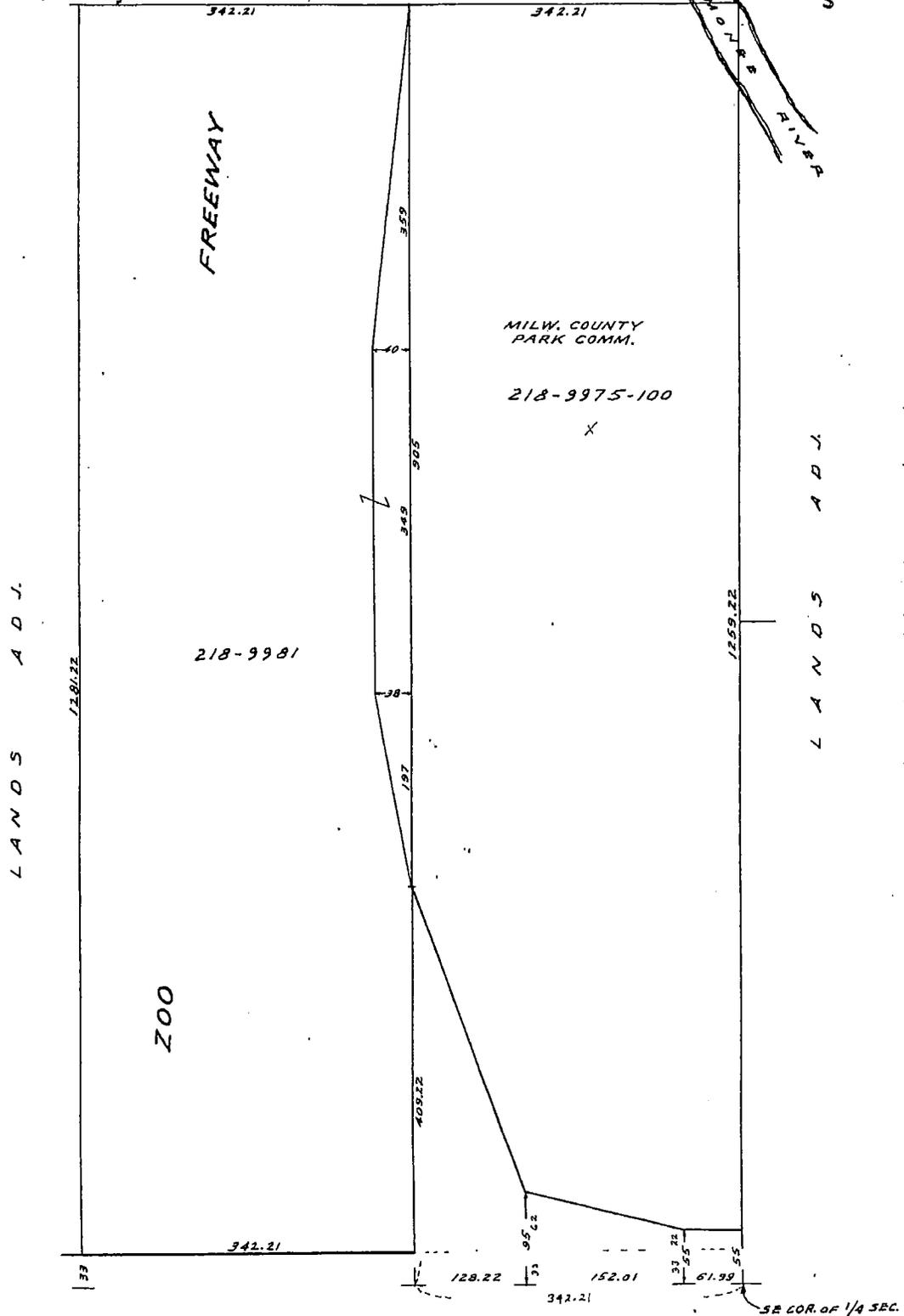
# LANDS

APR 28 1970



LANDS ADJ.

1/8 LINE 2



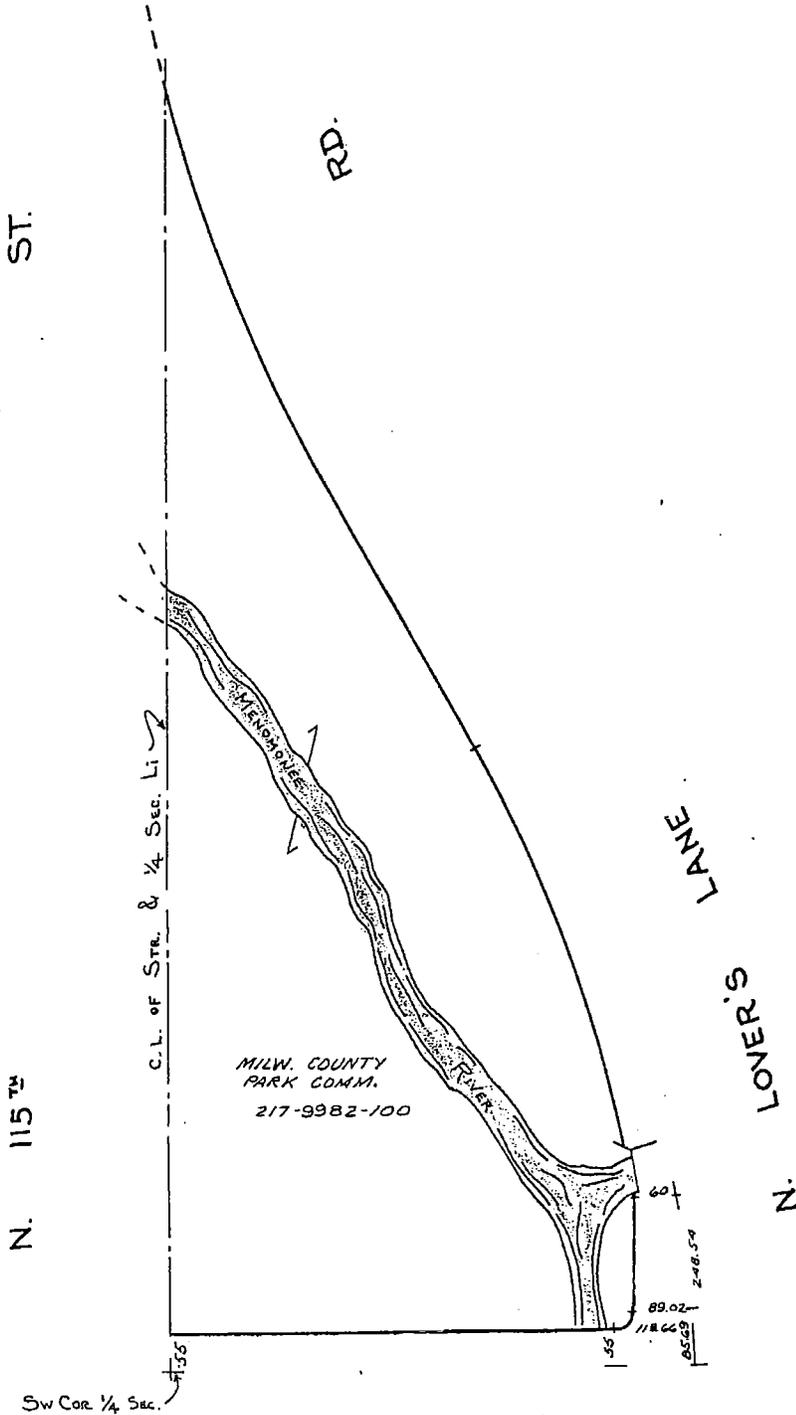
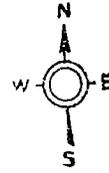
11628  
W. HAMPTON

11514

11512  
AVE.

SE COR. OF 1/4 SEC.

LANDS



MILW. COUNTY  
PARK COMM.  
217-9982-100

W. HAMPTON

11300  
763.4' E | 1881.33' W  
AVE.

DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
Milwaukee County



February 16, 2010

STATEMENT BY RESPONSIBLE PARTY

Milwaukee County, owner of the property on which the contamination is present (northeast quadrant of USH 45 and West Hampton Avenue in Milwaukee, Wisconsin), states that the legal description for the impacted property to be listed in the GIS Registry provided to the Wisconsin Department of Natural Resources (WDNR) in this case closure request is complete and accurate to the best of our knowledge.

**TAXKEY:** 2179982100

**Legal Description:** LANDS IN SE 1/4 SEC 31-8-21 COM 55' N OF SW COR SD 1/4 SEC-TH N TO WLY LI N LOVER'S LANE RD-TH SLY ALG SD W LI TO N LI W HAMPTON AVE-TH W ALG SD N LI TO BEG

**TAXKEY:** 2189975100

**Legal Description:** LANDS IN SW 1/4 SEC 31-8-21 THE E 342.21' OF SE 1/4 OF SD 1/4 SEC EXC (S 33' FOR ST & THAT PART CONVEYED TO STATE OF WIS BY W D REG AS DOC NO 4469710 FOR HIGHWAY PURPOSES)

**TAXKEY:** 2189981000

**Legal Description:** LANDS IN SW 1/4 SEC 31-8-21 W 342.21' OF E 684.42' OF S 1314.22' OF SD 1/4 SEC

Handwritten signature of Timothy Detzer in black ink.

\_\_\_\_\_  
Timothy Detzer, P.E.  
Environmental Engineer  
Milwaukee County  
Department of Transportation and Public Works

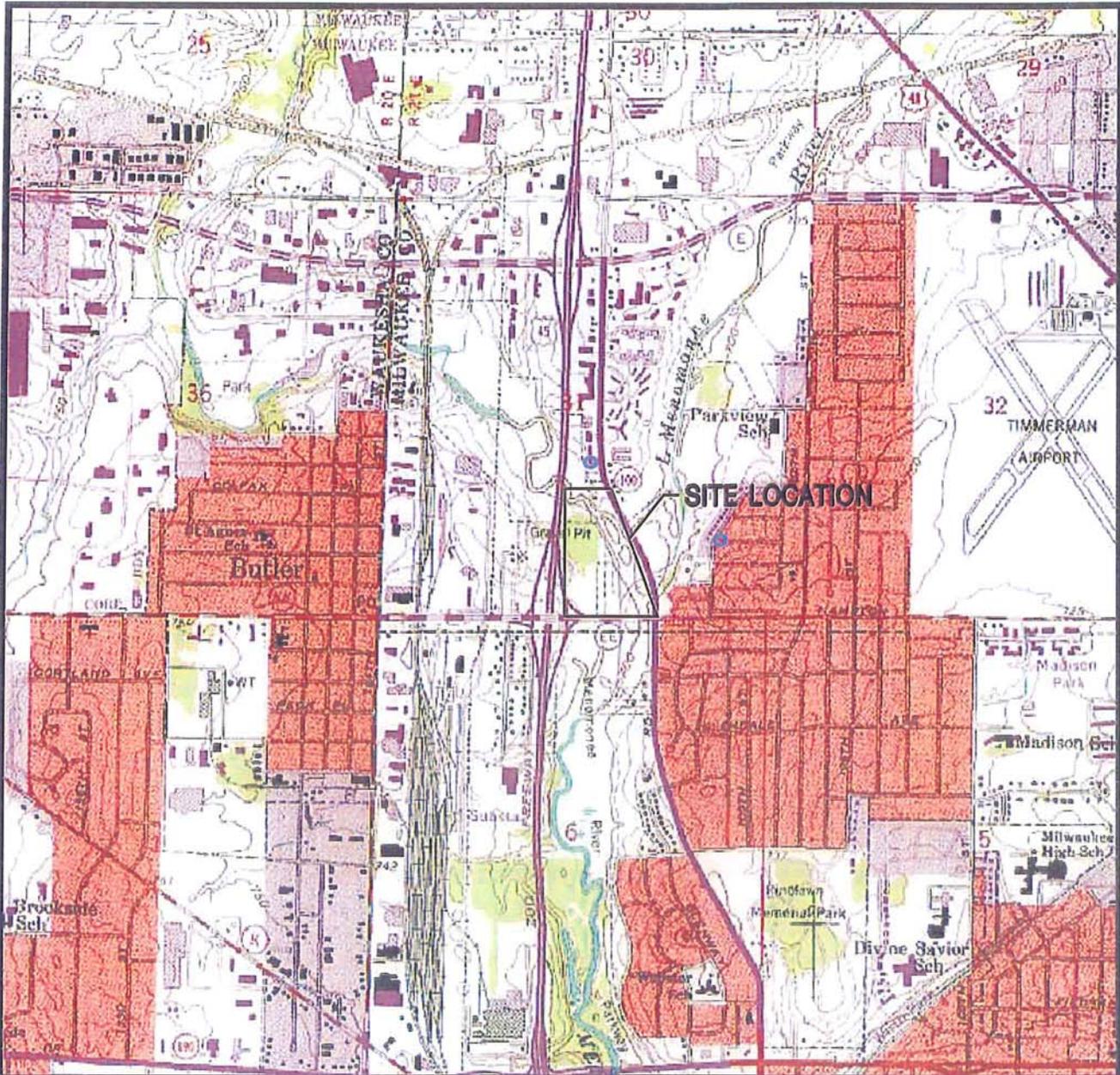
2/16/2010

\_\_\_\_\_  
Date

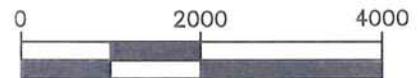
MILWAUKEE COUNTY-CITY CAMPUS • 2711 WEST WELLS STREET • MILWAUKEE, WI 53208

PHONE NUMBERS: Administration 278-4835 - Transportation 278-5096 - Architecture & Engineering 278-4846  
FAX NUMBERS: Administration 223-1899 - Transportation 223-1850 - Architecture & Engineering 223-1366

O:\WPDOC\ENV\DETZER\Hwy 45 & Hampton\Final Closure req draft\rp legal description statement.doc



● Water Supply Well Installed Here in 1957 or 1961;  
 Abandonment form Not Found, but Property is Served by  
 Municipal Water and River is Between Site and this Well



SCALE: 1"=2000'



**STATE LOCATION**

NORTHEAST QUADRANT OF  
 US HIGHWAY 45 AT HAMPTON AVENUE  
 MILWAUKEE, WISCONSIN

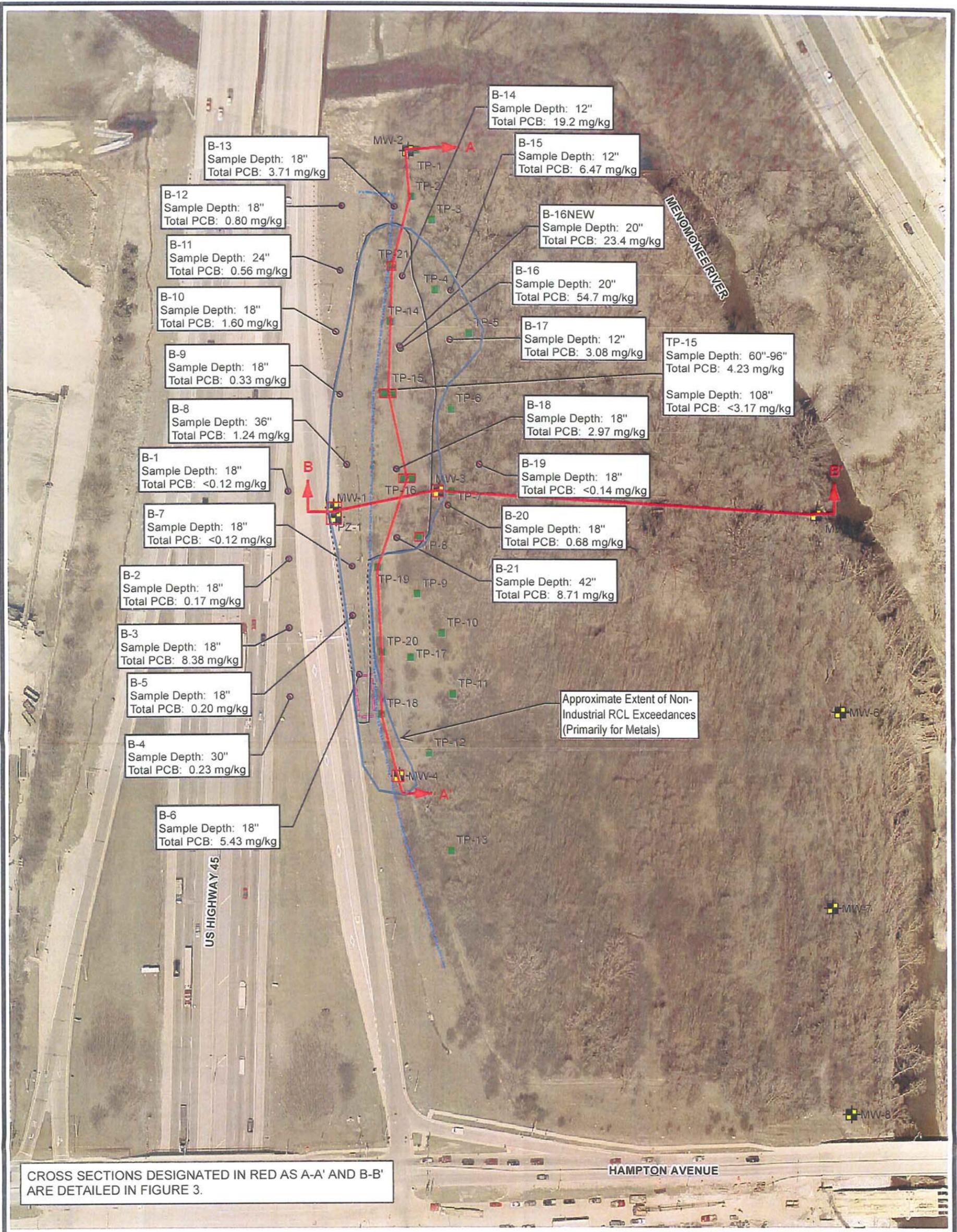
WISDOT PROJECT ID 1009-03-51  
 MILWAUKEE COUNTY PROJECT ID 5082-06806

SOURCE: BASE MAP FROM MILWAUKEE, WISCONSIN  
 7.5 MINUTE USGS QUADRANGLE.



DWN. BY:	EJP
APPROVED BY:	KWY
DATE:	10/04/07
PROJ. #	10737.05
FILE #	107370501.DWG

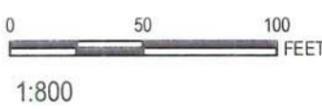
FIGURE 1



CROSS SECTIONS DESIGNATED IN RED AS A-A' AND B-B' ARE DETAILED IN FIGURE 3.

**LEGEND**

- Monitoring Wells (PZ = Piezometer)
- Hand Augers - May 2009
- Test Pit - June 2006
- Chain-Link Fence
- Geotextile Liner
- Approximate Horizontal Limit of Buried Waste (Dashed Where Inferred)
- RCL Exceeded in Soil Sample(s)



**NOTES**

1. Base Map - 2005 SEWRPC Aerial

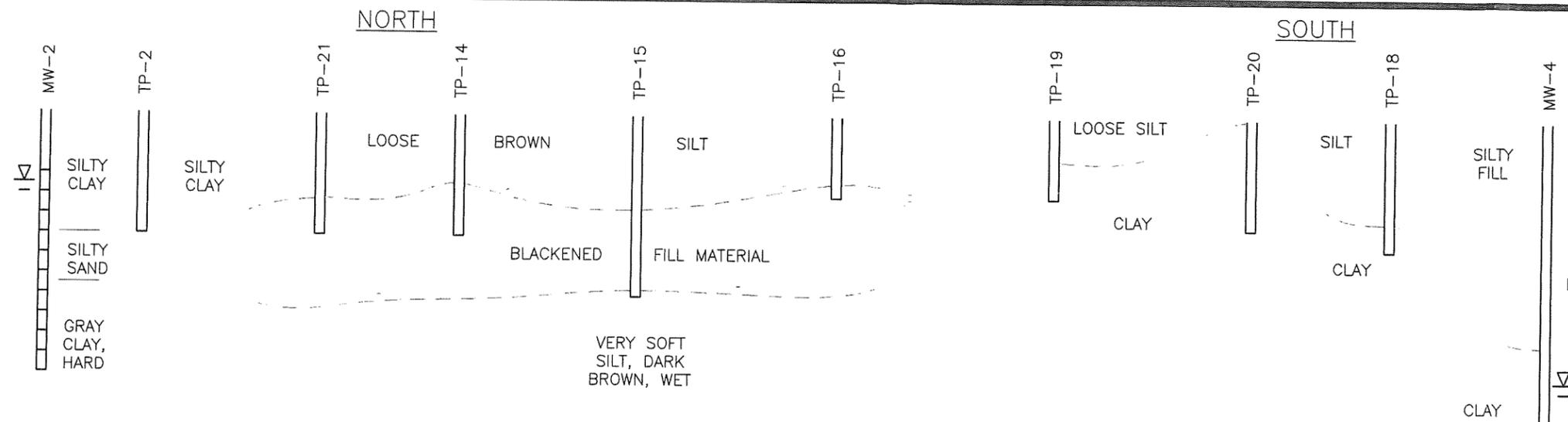
PROJECT: PROPERTY LAYOUT, INVESTIGATIVE LOCATIONS  
NORTHEAST QUADRANT OF USH 45 AND HAMPTON AVE.  
MILWAUKEE, WISCONSIN

SHEET TITLE: WISDOT PROJECT ID 1009-03-51  
(FORMER ID 1100-10-75)  
MILWAUKEE COUNTY PROJECT ID 5082-06806

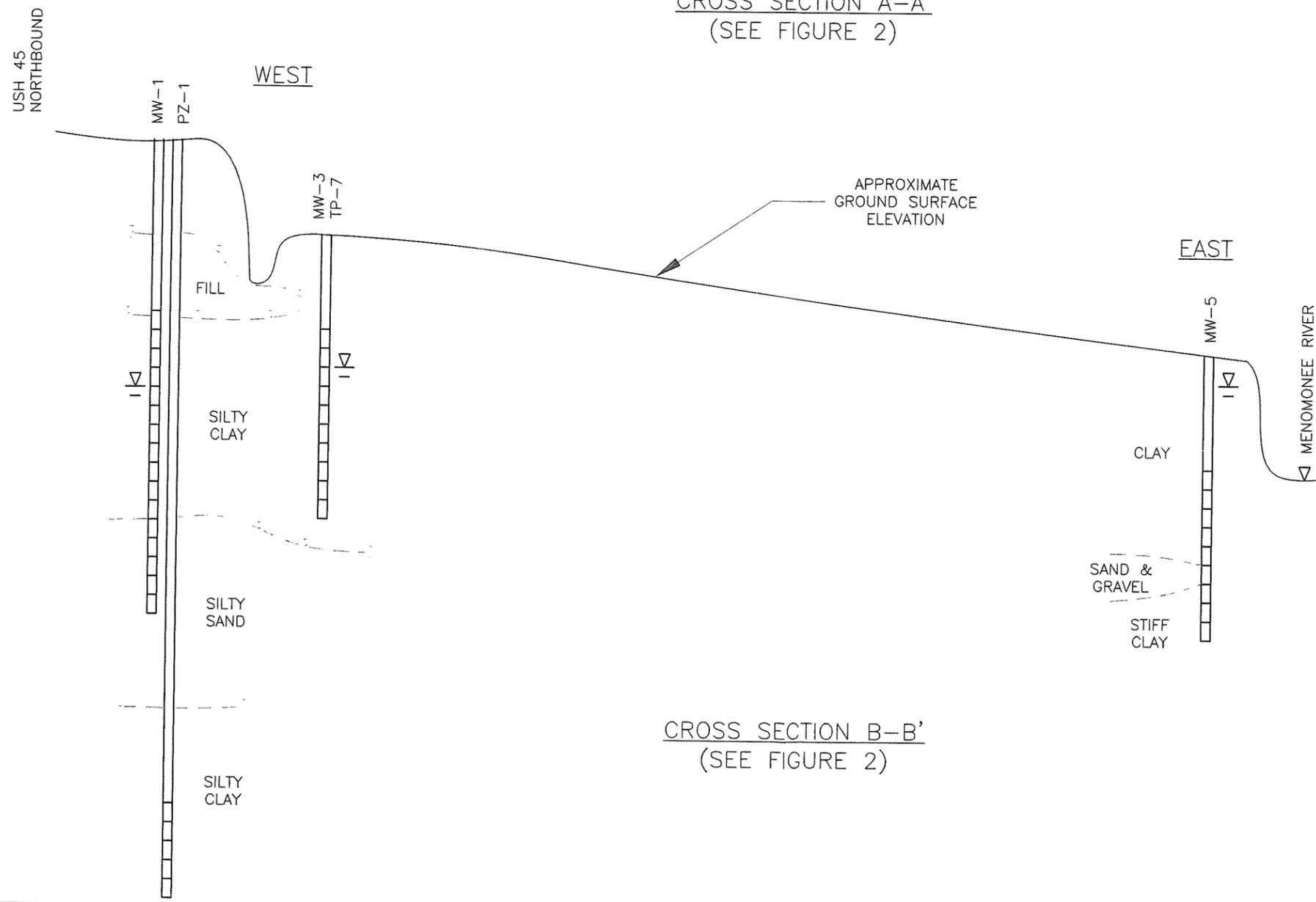
DRAWN BY: WEBERN	SCALE: AS NOTED	PROJ. NO: 1073707
CHECKED BY: YASSK	DATE PRINTED: 1/12/2010	FILE NO: 107370704
APPROVED BY:		<b>FIGURE 2</b>
DATE: JANUARY 2010		



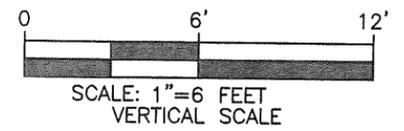
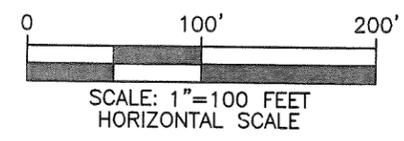
744 Heartland Trail  
Madison, WI 53717-1934  
P.O. Box 8923 53708-8923  
Phone: 608-831-4444  
Fax: 608-831-3334



CROSS SECTION A-A'  
(SEE FIGURE 2)

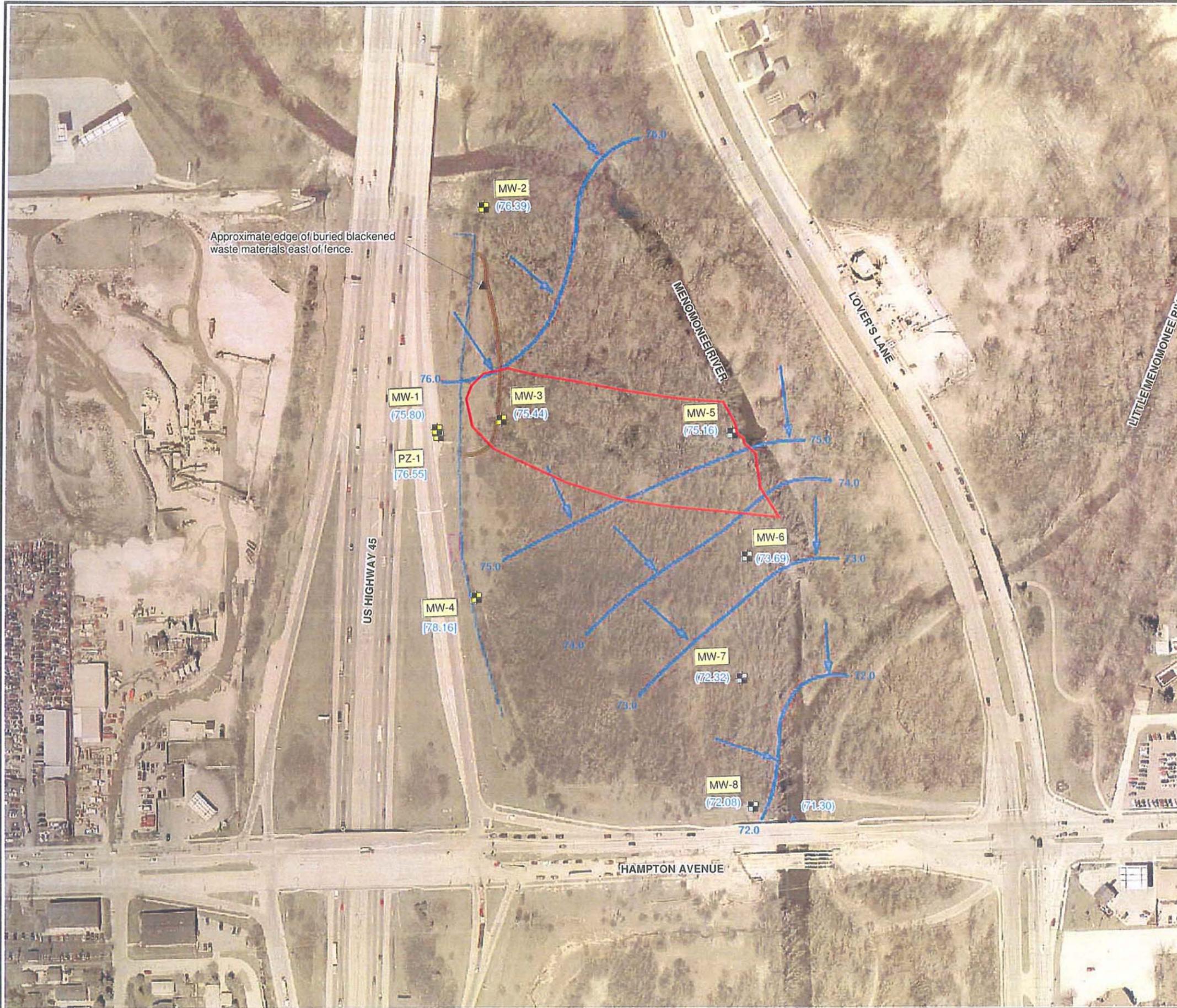


CROSS SECTION B-B'  
(SEE FIGURE 2)



3.				
2.				
1.				
NO.	BY	DATE	REVISION	APP'D.
PROJECT: CROSS SECTIONS A-A' AND B-B' NORTHEAST QUADRANT OF USH 45 AND HAMPTON AVE. MILWAUKEE, WISCONSIN				
SHEET TITLE: WISDOT PROJECT ID 1008-03-51 (FORMER ID 1100-10-75) MILWAUKEE COUNTY PROJECT ID 5082-06806				
DRAWN BY:	PKLKASE	SCALE:	PROJ. NO.	10737.07
CHECKED BY:	KWY	AS SHOWN	FILE NO.	107370102.DWG
APPROVED BY:		DATE PRINTED:	FIGURE 3	
DATE:	JANUARY 2010			
<b>RMT</b>		744 Heartland Trail Madison, WI 53717-1934 P.O. Box 8923 53708-8923 Phone: 608-831-4444 Fax: 608-831-3334		

1/27/10 10:00 AM  
 Operator Name: JELLET  
 Drawing Title: FIGURE 3  
 Plot Name: FIGURE 3  
 Plot Path: \\...  
 Attached Files:

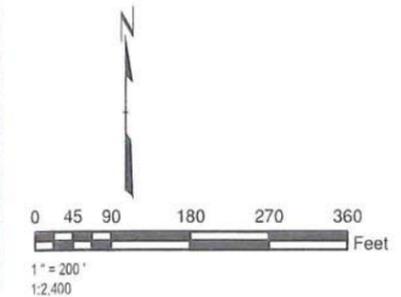


## LEGEND

- Groundwater Monitoring Well (JUL-07)
- Groundwater Monitoring Well (NOV-07)
- Water Table Elevation
- River Elevation
- Groundwater Flow Direction
- (75.80) Water Table Elevation - 5/08/2008
- Approximate Extent of Vinyl Chloride NR 140 Enforcement Standard Exceedances

## NOTES

1. AERIAL PHOTOGRAPH OBTAINED FROM SEWRPC 2005.
2. GROUNDWATER ELEVATIONS REFERENCED TO SITE BENCHMARK.
3. PZ-1 IS NOT A WATER TABLE WELL AND WAS NOT USED FOR CONTOURING.
4. MW-4 SCREENED INTERVAL IS BELOW THE WATER TABLE AND WAS NOT USED FOR CONTOURING



PROJECT: VINYL CHLORIDE ES EXCEEDANCE AREA AND GROUNDWATER CONTOUR MAP NORTHEAST QUADRANT OF USH 45 AT HAMPTON AVE. MILWAUKEE, WISCONSIN

SHEET TITLE: WISDOT PROJECT ID 1009-03-51 (FORMER ID 110-10-75) MILWAUKEE COUNTY PROJECT ID 5082-06806

DRAWN BY: EJP	SCALE: AS NOTED	PROJ. NO. 00-10737.06
CHECKED BY:	DATE PRINTED: 6/9/2008	FILE NO. 107370605
APPROVED BY:	<b>FIGURE 5</b>	
DATE: JUNE 2008		

**RMT**

150 N. Patrick Blvd., Suite 180  
Brookfield, WI 53045-5854  
Phone: (262) 879-1212  
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**Table 2**  
**Summary of Constituents Detected in Soil Samples During June 2006 Test Pit Investigation**  
**Subsurface Investigation, Northeast Quadrant of US Highway 45 at Hampton Avenue, Milwaukee, Wisconsin**  
**Milwaukee County Project ID 5082-06806; WisDOT Project ID 1009-03-51; RMT Project ID 10737.02**

	NR 720 RCL	TP-5	TP-8	TP-15			TP-16	TP-21
		~5'	4' - 7'	0' - 3'	5' - 8'	9'	4'	5.5' - 6'
		Brown Clay & Bricks	Blackened Soil & Ashes?	Brown Fill & Bricks	Blackened Wastes (e.g., wood, plastic)	Brown Silt, Soft	Black Wood & Soil	Black Wood & Soil
% Solids		78		85	39	63	74	82
Total RCRA Metals (mg/kg)								
Arsenic	10	<2.8	4.5	5.5	<b>13</b>	<3.5	<3.0	5.3
Barium		<b>66</b>	<b>190</b>	61	<b>160</b>	110	<b>170</b>	<b>120</b>
Cadmium	8	0.53	5.4	0.63	1.6	1.1	2.8	1.6
Chromium	16,000	14 B	260	18	46	18	26	16
Lead	50	42	<b>130</b>	<b>79</b>	<b>190</b>	34	<b>170</b>	<b>290</b>
Mercury		0.044	0.23	0.061	0.13	0.085	0.54	0.35
Selenium		<5.1	<4.8	<4.7	<10	<6.4	<5.4	<4.9
Silver		<0.14	2.1	0.46	0.36	<0.18	0.17	1.2
Total VOCs (µg/kg)								
sec-Butylbenzene		<32	<b>34</b>	<29	160	<40	<34	<30
1,4-Dichlorobenzene		<32	<b>65</b>	<29	<64	<40	<34	<30
Ethylbenzene	2,900	<32	<30	<29	1,500	<40	<34	<30
Isopropylbenzene		<32	<30	<29	1,700	<40	<34	<30
p-Isopropyltoluene		<32	<b>38</b>	<29	270	<40	<34	<30
Naphthalene	400 <sup>GW</sup>	<64	170	<59	<b>2,100</b>	<80	<67	94
n-Propylbenzene		<32	<30	<29	610	<40	<34	<30
1,2,4-Trichlorobenzene		<32	71	<29	<64	<40	<34	<30
1,2,4-Trimethylbenzene		<32	<b>250</b>	<29	5,200	49	<34	<30
1,3,5-Trimethylbenzene		<32	83	<29	1,500	<40	<34	<30
Xylenes	4,100	<110	<100	<100	<b>8,600</b>	<140	<110	<100
PAHs (µg/kg)								
Acenaphthene	38,000 <sup>GW</sup>	--	840	--	<640	<80	<2,700	2,200
Anthracene	3,000,000 <sup>GW</sup>	--	600	--	180	<8.0	320	1,200
Benzo(a)anthracene	880 <sup>DC</sup>	--	<b>1,500</b>	--	600	28	<b>1,700</b>	<b>5,000</b>
Benzo(b)fluoranthene	880 <sup>DC</sup>	--	560	--	570	57	<b>2,000</b>	<b>4,000</b>
Benzo(k)fluoranthene	8,800 <sup>DC</sup>	--	200	--	330	<8.0	<b>1,200</b>	<b>2,200</b>
Benzo(a)pyrene	88 <sup>DC</sup>	--	<b>570</b>	--	<b>430</b>	17	<b>2,500</b>	<b>3,500</b>
Benzo(g,h,i)perylene	8,800 <sup>DC</sup>	--	380	--	340	<8.0	<b>2,400</b>	<b>2,800</b>
Chrysene	37,000 <sup>GW</sup>	--	770	--	500	2,600	1,600	<b>3,800</b>
Dibenz(a,h)anthracene	88 <sup>DC</sup>	--	79	--	<96	<12	<400	<b>460</b>
Fluoranthene	500,000 <sup>GW</sup>	--	2,900	--	880	23	4,100	16,000
Fluorene	100,000 <sup>GW</sup>	--	480	--	140	<16	<540	690
Indeno(1,2,3-cd)pyrene	880 <sup>DC</sup>	--	350	--	330	<8.0	<b>1,900</b>	<b>2,700</b>
1-Methylnaphthalene	23,000 <sup>GW</sup>	--	230	--	<380	<48	<1,600	<910
2-Methylnaphthalene	20,000 <sup>GW</sup>	--	<b>1,100</b>	--	570	<40	<1,300	<760
Naphthalene	400 <sup>GW</sup>	--	<b>450</b>	--	<b>1,600</b>	<48	<1,600	<910
Phenanthrene	1,800 <sup>GW</sup>	--	<b>1,900</b>	--	530	<8.0	<b>2,100</b>	<b>9,700</b>
Pyrene	2,300,000 <sup>DC</sup>	--	1,400	--	1,100	220	2,700	13,000
PCBs (mg/kg)								
PCB-1016		--	--	--	4.23	ND	--	--

**Notes:**

- Total RCRA Metals analyzed using EPA Method 6010B, except for Mercury for which EPA Method 243.5 was used
- mg/kg = milligrams per kilogram (ppm)
- Total VOCs = Volatile Organic Compounds analyzed using EPA Method 8260B
- µg/kg = micrograms per liter (ppb)
- PAHs = Polycyclic Aromatic Hydrocarbons analyzed using EPA Method 8310
- PCBs = Polychlorinated Biphenyls analyzed using EPA Method 8082
- NR 720 RCL = Residual Contaminant Level. The RCLs for metals, except for arsenic, are the NR 720 Table 2 non-industrial values; the RCL for chromium is for trivalent chromium. It is generally recognized that arsenic is present in soils in this part of Wisconsin at concentrations up to 10 mg/kg; this background arsenic concentration is listed above as the RCL for arsenic. RCLs listed for PAHs (including naphthalene) are the more-stringent of a) the generic RCL listed in WDNR Publication RR-519-97 for protection of groundwater and b) the direct contact RCL calculated using methodologies in WDNR Publication RR-519-97 and using the NR 720.19(5)(a) (target risk of 1 x 10<sup>-6</sup> or hazard quotient of 1). DC - non-industrial site direct contact pathway; GW - protection of groundwater.
- Samples above were analyzed by Test America in Watertown, Wisconsin (WDNR Certification #241340550)
- Detections of analytes are bolded
- not analyzed

**Table 3**  
**Summary of Constituents Detected in Soil Samples During July 2006 Monitoring Well Installations**  
**Subsurface Investigation, Northeast Quadrant of US Highway 45 at Hampton Avenue, Milwaukee, Wisconsin**  
**Milwaukee County Project ID 5082-06806; WisDOT Project ID 1009-03-51; RMT Project ID 10737.02**

	NR 720 RCL	PZ-1		MW-2		MW-3		MW-4	
		3' - 5'	7' - 9'	2' - 4'	4' - 6'	4' - 6'	8' - 10'	4' - 6'	8' - 10'
		7/10/06		7/10/06		7/10/06		7/11/06	
		Blackened Wastes (e.g., wood, plastic)	Grayish- Brown Clay	Brown Silty Clay	Brown Silty Clay, Wet at ~5.5' bgs	Brown Silty Clay, Some Wood	Gray & Brown Clay, Some Wood	Brown silt, some sand, gravel and concrete	Grayish- Brown Clay, Stiff
<b>Total RCRA Metals (mg/kg)</b>									
Arsenic	10	8.8	12	5.4	5.8	8.6	5.8	8.3	5.8
Barium		83 B	39 B	48 B	68 B	76 B	94 B	38 B	28 B
Cadmium	8	0.71	0.33	0.41	0.71	4.7	0.93	0.36	0.12
Chromium	16,000	24	13	18	17	19	14	12	11
Lead	50	290	36	22	13	57	14	28	8.0
Mercury		0.27	0.086	0.048	0.045	0.076	0.035	0.16	0.013
Selenium		<4.9	<4.7	<4.7	<5.0	<5.0	<5.3	<4.6	<4.6
Silver		0.36	0.17	0.18	<0.14	<0.14	<0.14	0.16	0.13
<b>Total VOCs (µg/kg)</b>									
n-Butylbenzene		39	37	49	71	33	970	<140	<29
sec-Butylbenzene		<31	<29	<29	<31	<31	400	<140	<29
Isopropylbenzene		<31	<29	<29	<31	<31	100	<140	<29
p-Isopropyltoluene		<31	<29	<29	<31	<31	780	<140	<29
Naphthalene	400	<61	61	<59	<63	<62	<66	11,000	<57
n-Propylbenzene		<31	<29	32	50	<31	220	<140	<29
Toluene	1,500	<31	37	<29	<31	<31	<33	<140	<29
1,2,4-Trimethylbenzene		180	160	210	300	210	3,600	<140	<29

**Notes:**

- Total RCRA Metals analyzed using EPA Method 6010B, except for Mercury for which EPA Method 245.5 was used
- mg/kg = milligrams per kilogram (ppm)
- Total VOCs = Volatile Organic Compounds analyzed using EPA Method 8260B
- µg/kg = micrograms per liter (ppb)
- NR 720 RCL = Residual Contaminant Level. The RCLs for metals, except for arsenic, are the NR 720 Table 2 non-industrial values; the RCL for chromium is for trivalent chromium. It is generally recognized that arsenic is present in soils in this part of Wisconsin at concentrations up to 10 mg/kg; this background arsenic concentration is listed above as the RCL for arsenic. The RCLs for VOCs are the generic RCLs listed in NR720, WAC. The RCL listed for naphthalene is the generic suggested RCL listed in WDNR Publication RR-519-97 for protection of groundwater.
- Samples above were analyzed by Test America in Watertown, Wisconsin (WDNR Certification #241340550)
- Detections of analytes are bolded
- B = Analyte was detected in the laboratory's method blank

**#** = Exceedance or potential exceedance of the NR 720 RCL

**Table 4**  
**Summary of PCBs Detected in Soil Samples - May and August 2009**  
**Subsurface Investigation, Northeast Quadrant of US Highway 45 at Hampton Avenue, Milwaukee, Wisconsin**  
**Milwaukee County Project ID 5082-06806; WisDOT Project ID 1009-03-51; RMT Project ID 10737.07**

	TP-15		B-1	B-2	B-3	B-4	B-5	B-6	B-7	B-8	B-9	B-10	B-11	B-12	B-13	B-14	B-15	B-17	B-18	B-19	B-20	B-21	B-16	B-16 new	
	5' - 8'	9'	18" bgs	18" bgs	18" bgs	30" bgs	18" bgs	18" bgs	18" bgs	36" bgs	18" bgs	18" bgs	24" bgs	18" bgs	18" bgs	12" bgs	12" bgs	12" bgs	18" bgs	18" bgs	18" bgs	~42" bgs	~20" bgs	~20" bgs	
	Jun-2006		Samples Collected May 2009																						
PCBs (mg/kg)																									
PCB-1016	<b>4.23</b>	<3.17	<0.120	<0.106	<0.103	<0.111	<0.126	<0.120	<0.121	<0.116	<0.144	<0.117	<0.122	<0.117	<0.115	<0.136	<0.118	<0.117	<0.114	<0.138	<0.116	<0.118	<0.124	<0.112	
PCB-1248	<3.21	<3.17	<0.120	<b>0.165</b>	<b>8.38</b>	<b>0.227</b>	<b>0.202</b>	<b>5.43</b>	<0.121	<b>1.24</b>	<b>0.330</b>	<b>1.60</b>	<b>0.558</b>	<b>0.803</b>	<b>3.71</b>	<b>19.2</b>	<b>6.47</b>	<b>3.08</b>	<b>2.97</b>	<0.138	<b>0.676</b>	<b>8.71</b>	<b>54.7</b>	<b>23.4</b>	

- Notes:**
1. PCBs = Polychlorinated Biphenyls analyzed using EPA Method 8082
  2. mg/kg = milligrams per kilogram (ppm)
  3. The June 2006 samples were analyzed by Test America in Watertown, Wisconsin (WDNR Certification #241340550) and the May 2009 samples were analyzed by EMT Labs in Morton Grove, Illinois (WDNR Certification #999888890)
  4. Detections of analytes are bolded



**Table 7**  
**Groundwater Elevations in Monitoring Wells, Piezometer and Menomonee River**  
**Subsurface Investigation, Northeast Quadrant of US Highway 45 at Hampton Avenue, Milwaukee, Wisconsin**  
**WisDOT Project ID 1009-03-51; RMT Project ID 10737.07**

Well ID	Top of PVC Well Casing <sup>1</sup>	Ground Surface <sup>1</sup>	Screened Interval (ft bgs)	7/21/2006		10/17/2006		12/4/2007		5/8/2008	
				DTW <sup>2</sup>	ELEV <sup>3</sup>	DTW <sup>2</sup>	ELEV <sup>3</sup>	DTW <sup>2</sup>	ELEV <sup>3</sup>	DTW <sup>2</sup>	ELEV <sup>3</sup>
MW-1	88.06	88.5	10 to 25	15.95	72.11	13.29	74.77	13.50	74.56	12.26	75.80
PZ-1	88.14	88.5	35 to 40	15.61	72.53	13.33	74.81	13.50	74.64	11.59	76.55
MW-2	82.25	79.5	3 to 13	8.42	73.84	6.41	75.84	6.94	75.31	5.86	76.39
MW-3	83.97	81.8	5 to 15	11.91	72.06	9.25	74.72	9.79	74.18	8.53	75.44
MW-4	93.73	91.2	22.4 to 32.4	21.20	72.53	17.65	76.08	16.80	76.93	15.57	78.16
MW-5	77.96	75.5	3.5 to 13.5	[Well Not Installed Yet]				3.92	74.04	2.80	75.16
MW-6	78.45	76.0	3.5 to 13.5	[Well Not Installed Yet]				5.85	72.60	4.76	73.69
MW-7	78.30	75.8	3.5 to 13.5	[Well Not Installed Yet]				7.21	71.09	5.98	72.32
MW-8	78.84	76.3	3.5 to 13.5	[Well Not Installed Yet]				8.02	70.82	6.76	72.08
Paint Mark on USH 45 Bridge Over Menomonee River	97.09	NA		23.10	73.99	[The River elevation is no longer measured here given the safety risks associated with the heavy highway traffic present.]					
Paint Mark on Hampton Avenue Bridge Over Menomonee River	93.23	NA		22.78	70.45	20.29	72.94	22.61	70.62	21.93	71.30

**Notes:**

1. Elevation in feet referenced to site benchmark (concrete base of street light at the northeast corner of the USH 45 northbound on-ramp from Hampton Avenue) = 100.00 feet. Elevations surveyed by RMT, Inc. on 7/12/06 (MW-1, MW-2, MW-3, MW-4, PZ-1 and bridge elevations) and 12/4/07 (MW-5, MW-6, MW-7 and MW-8)
2. DTW = Depth to water in feet measured in feet below the top of the PVC well casing (for wells and piezometer) or in feet below the surveyed point (for river)
3. Water table elevation in feet referenced to site benchmark