

Source Property Information

BRRTS #: (No Dashes)

ACTIVITY NAME:

PROPERTY ADDRESS:

MUNICIPALITY:

PARCEL ID #:

CLOSURE DATE:

FID #:

DATCP #:

PECFA#:

***WTM COORDINATES:**

X: Y:

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

WTM COORDINATES REPRESENT:

- Approximate Center Of Contaminant Source
- Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

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)*

Continuing Obligations:

- 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)*

Note: Comments will not print out.

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 #:	<input type="text" value="02-05-542645"/> (No Dashes)	PARCEL ID #:	<input type="text" value="18-753"/>
ACTIVITY NAME:	<input type="text" value="Prairie Ave Yard - Former Oil Storage Bldg"/>	WTM COORDINATES:	X: <input type="text" value="677525"/> Y: <input type="text" value="452907"/>

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 #: 8 **Title: Detailed Parcel 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: Site Condition Map**
 - 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 #: 3 **Title: Approximate Extent of Soil RCL Exceedances**

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ACTIVITY NAME: Prairie Ave Yard - Former Oil Storage Bldg

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 #: 4 **Title: Geologic Cross-Section A-A1**

Figure #: 5 **Title: Geologic Cross-Section B-B1**

- 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 #: 6 **Title: Approximate Extent of Groundwater Exceedances**

- 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 #: 7 **Title: Groundwater Contour Map (11/21/2011)**

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 #: 2 **Title: Summary of Soil Sample 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 #: 3 **Title: Summary of Compounds Detected in Groundwater**

- 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 #: 1 **Title: Summary of Field Data - Groundwater**

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: Prairie Ave Yard - Former Oil Storage Bldg

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: N/A

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: N/A



January 23, 2013

Wisconsin Central, Ltd.
Attn: Mr. Brian Hayden
1 Waterfront Drive
Two Harbors, MN 55616

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

SUBJECT: Final Case Closure with Continuing Obligations
Prairie Ave Yard – Former Oil Storage Bldg, 300 block Prairie Avenue,
Green Bay, Wisconsin
WDNR BRRTS Activity # 02-05-542645

Dear Mr. Hayden:

The Department of Natural Resources (DNR) considers the Prairie Ave Yard – Former Oil Storage Bldg site closed, with continuing obligations. No further investigation or remediation is required at this time. However, you and future property owners 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 attached maintenance plan to anyone who purchases this property from you.

This final closure decision is based on the correspondence and data provided, and is issued under ch. NR 726, Wisconsin Administrative Code. The Northeast Region (NER) Closure Committee reviewed the request for closure on December 4, 2012. The Closure Committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. A conditional closure letter was issued by the DNR on December 5, 2012, and documentation that the conditions in that letter were met was received on January 15, 2013.

This property is currently utilized as an active rail road yard operated by Canadian National Railway. Soil and groundwater is impacted mainly with petroleum based contamination (likely lube oil from previous maintenance activities) and some chlorinated solvents and metals. Free phase petroleum product was present at a thickness of up to approximately 1 foot at monitoring wells MW6, MW7 and MW9 at time of closure approval. Remedial activities included free product removal and natural attenuation monitoring. The conditions of closure and continuing obligations required were based on the property being used for industrial (rail road yard) purposes.

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 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 monitoring well was not located and must be properly filled and sealed if found.
- Pavement, an engineered cover or a soil barrier must be maintained over contaminated soil and the DNR must approve any changes to this barrier.

- If a structural impediment (the remaining parts of the former round house building) that obstructed a complete site investigation or cleanup is removed or modified, additional environmental work must be completed.
- Before the land use may be changed from industrial to non-industrial, additional environmental work must be completed.

GIS Registry

This site will be listed on the Remediation and Redevelopment Program's internet accessible Geographic Information System (GIS) Registry, to provide notice of residual contamination and of any continuing obligations. 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. 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> or at the web address listed below for the GIS Registry.

All site information is also on file at the Northeast Regional DNR office at 2984 Shawano Avenue, Green Bay, WI 54313. This letter and information that was submitted with your closure request application, including the maintenance plan, will be included on the GIS Registry in a PDF attachment. To review the site on the GIS Registry web page, visit the RR Sites Map page at <http://dnrmaps.wi.gov/imf/imf.jsp?site=brrts2>.

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 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 a building foundation, pavement, gravel or other barrier is required, as shown on the **attached map (Figure 9)**, unless prior written approval has been obtained from the DNR:

- removal of the existing barrier;
- replacement with another barrier;
- 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 are met. If these requirements are not followed, the DNR 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.

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 (Figure 6)**. 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 on this property as indicated on the **attached map (Figure 3)**. If contaminated soil is excavated in the future, the property owner 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 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.

Monitoring Wells that could not be Properly Filled and Sealed (ch. NR 141, Wis. Adm. Code)

Monitoring well MW11/ET-B11 located as shown on the **attached map (Figure 3)**, could not be properly filled and sealed because it was missing due to being paved over, covered or removed during site development activities. Your consultant made a reasonable effort to locate the well and to determine whether it was properly filled and sealed, but was unsuccessful. You may be held liable for any problems associated with the monitoring wells if they create a conduit for contaminants to enter groundwater. If the groundwater monitoring well is found, the then current owner of the property on which the well is 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.)

The building foundation, pavement, gravel or other barrier that currently exists in the location shown on the **attached map (Figure 9)** 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/or to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health.

In this case, the remaining parts of the round house building is also considered a structural impediment, and additional investigation and response requirements apply as described in the section titled Structural Impediments.

A cover or barrier for industrial land uses, or certain types of commercial land uses may not be protective if use of the property were to change such that a 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. Before using the property for such purposes, you must notify the DNR to determine if additional response actions are warranted.

A request may be made to modify or replace a cover or barrier. 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.

The **attached maintenance plan and inspection log** are to be kept up-to-date and on-site. Submit the inspection log to the DNR only upon request.

Structural Impediments (s. 292.12 (2) (b), Wis. Stats.)

The remaining parts of the roundhouse building, as shown on the **attached map (Figure 9)**, 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 before removal and conduct an investigation of the degree and extent of the petroleum/chlorinated solvent 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.

Industrial Soil Standards (s. NR 726.05 (8) (b) 1., Wis. Adm. Code)

Soil Meeting NR 720.11, Table 2 Industrial Standards

Soil contamination remains as shown on the **attached maps (Figures 3 and 9)**. Samples contained petroleum and metals in concentrations which exceeded non-industrial (residential) soil standards, but which met industrial soil standards.

Any soil exceeding the industrial soil standards are addressed via the attached cap maintenance plan.

This property may not be used or developed for a residential, commercial, agricultural or other non-industrial use, unless prior written approval has been obtained from the DNR. An investigation and remedial action to meet applicable soil cleanup standards may be required at that time.

Vapor Intrusion Evaluation

Vapor intrusion is the movement of vapors coming from volatile chemicals in the soil or groundwater, into buildings where people may breathe air contaminated by the vapors. Vapor mitigation systems are used to interrupt the pathway, thereby reducing or preventing vapors from moving into the building.

Depending on site-specific conditions, construction over contaminated materials may result in vapor intrusion of contaminants into enclosed structures or migration along newly placed underground utility lines. The potential for vapor inhalation and means of mitigation should be evaluated when planning any future redevelopment on your property. Measures should be taken to ensure the continued protection of public health, safety, welfare and the environment at the site.

General Wastewater Permits for Construction Related Dewatering Activities

The DNR's Water Quality 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.

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://dnr.wi.gov/topic/wastewater/GeneralPermits.html>. If residual soil or groundwater contamination is likely to affect water collected in a pit/trench that requires dewatering, a general permit for Discharge of Contaminated Groundwater from Remedial Action Operations may be needed. If water collecting in a pit/trench that requires dewatering is expected to be free of pollutants other than suspended solids and oil and grease, a general permit for Pit/Trench Dewatering may be needed.

Please send written notifications in accordance with the above requirements to WDNR office in Green Bay, to the attention of Keld Lauridsen.

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 to the environment.

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 Keld Lauridsen at (920) 662-5420.

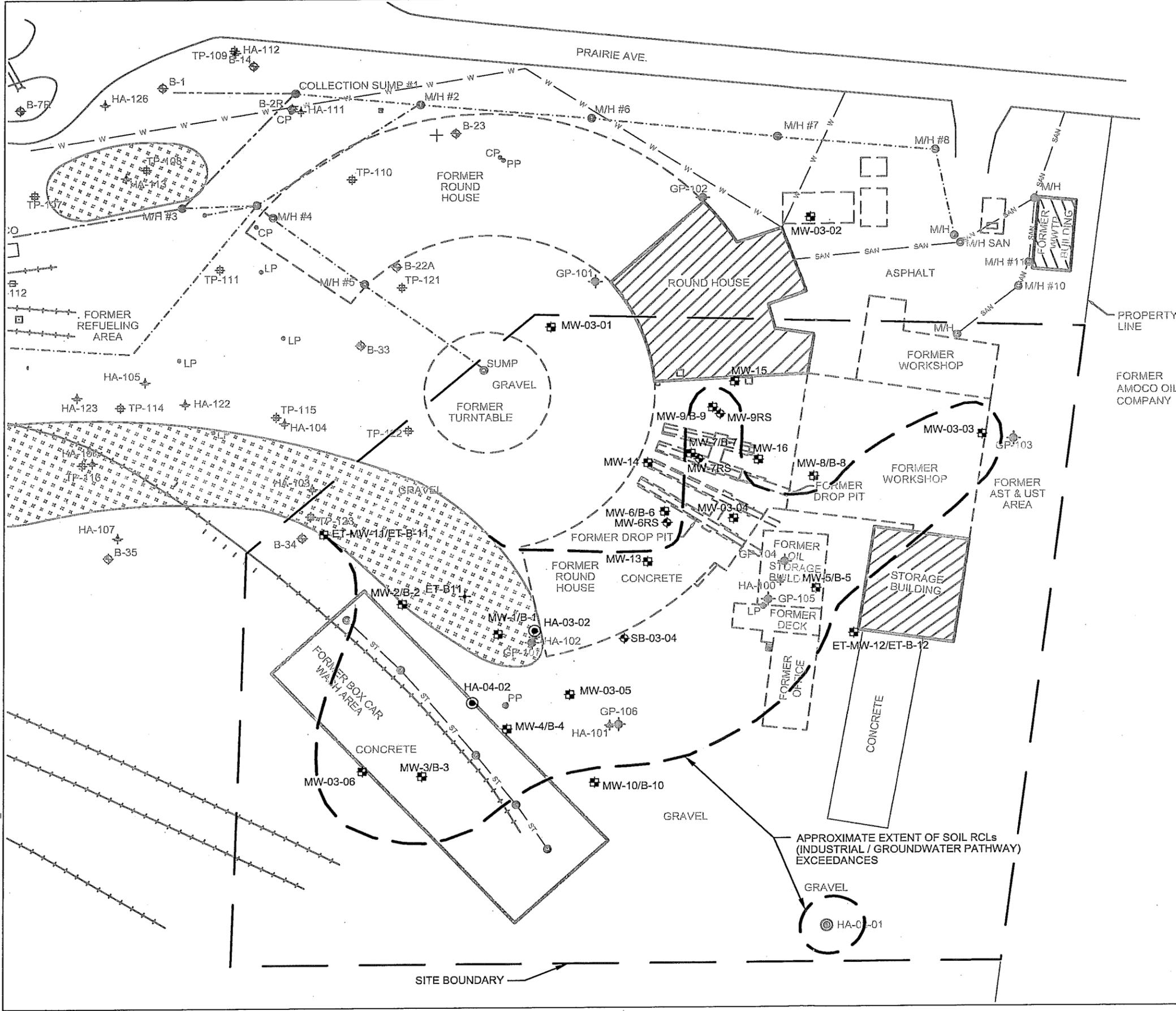
Sincerely,


Roxanne N. Chronert, Team Supervisor KD
Northeast Region Remediation & Redevelopment Program

Attachments:

- remaining groundwater contamination map (Figure 6)
- remaining soil contamination map (Figure 3)
- missing monitoring well location map (Figure 3)
- extent of cap map (Figure 9)
- structural impediments location map (Figure 9)
- map for soils meeting industrial standards (Figures 3 and 9)
- maintenance plan
- RR 819

cc: Andrew Mott, AECOM (ecopy - Andrew.Mott@aecom.com)

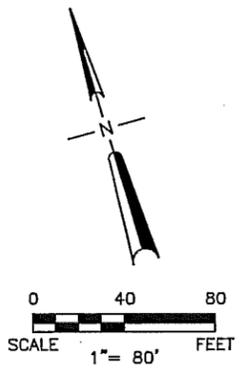


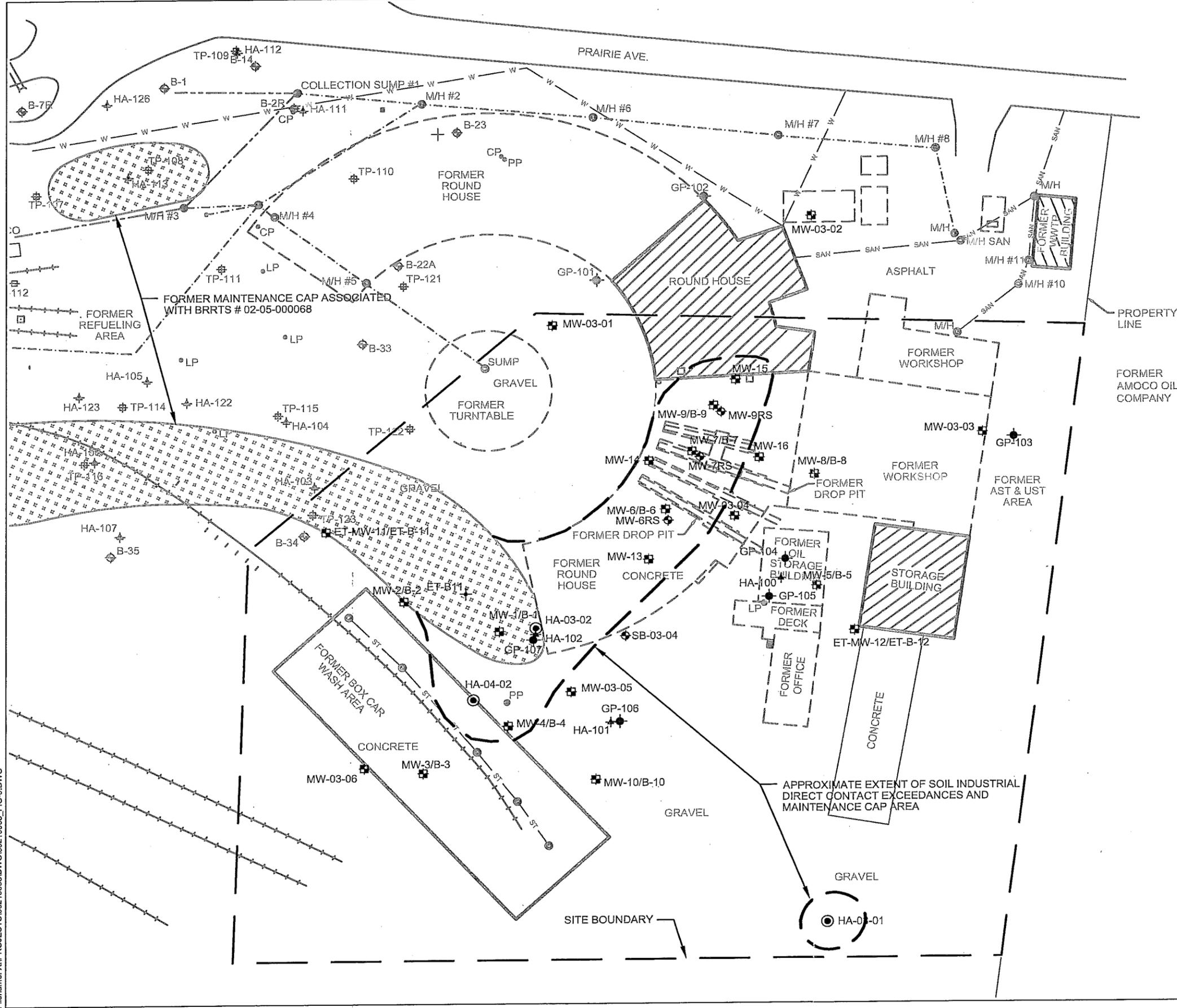
LEGEND:

- FORMER BUILDING
- EXISTING BUILDINGS
- TP-116 TEST PIT (STS - 1994)
- GP-104 GEOPROBE BORING (STS - 1996)
- HA-104 HAND AUGER (STS - 1998)
- HA-03-01 HAND AUGER
- SB-10 SOIL BORING (AECOM)
- MW-1 MONITORING WELL
- ET-B11 SOIL BORING
- PP POWER POLE
- LP LIGHT POLE
- CP SURVEY CONTROL POINT
- M/H MANHOLE (M/H)
- FUEL HOSE
- FIRE HYDRANT
- RAILROAD TRACKS
- GROUNDWATER COLLECTION PIPE (ABANDONED)
- GROUNDWATER COLLECTION TRENCH
- SANITARY LINE
- WATER LINE
- STORM LINE

NOTES:

1. MAP COMPILED FROM AERIAL PHOTOGRAPH SUPPLIED BY THE CITY OF GREEN BAY (11-18-79, AERO-METRIC ENGINEERING, INC.) AND FROM FIELD SURVEY BY STS CONSULTANTS LTD. ON DEC. 3, 1990 AND OCT. 19, 1994 AND DEC. 19, 1996.
2. DATES OBTAINED FROM SANBORN MAPS, ENGINEERING DRAWINGS, AND AERIAL PHOTOGRAPHS.



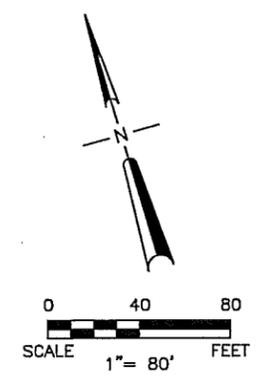


LEGEND:

- FORMER BUILDING
- EXISTING BUILDINGS
- TP-116 TEST PIT (STS - 1994)
- GP-104 GEOPROBE BORING (STS - 1996)
- HA-104 HAND AUGER (STS - 1998)
- HA-03-01 HAND AUGER
- SB-10 SOIL BORING (AECOM)
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- ET-B11 SOIL BORING
- PP POWER POLE
- LP LIGHT POLE
- CP SURVEY CONTROL POINT
- M/H MANHOLE (M/H)
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1. MAP COMPILED FROM AERIAL PHOTOGRAPH SUPPLIED BY THE CITY OF GREEN BAY (11-18-79, AERO-METRIC ENGINEERING, INC.) AND FROM FIELD SURVEY BY STS CONSULTANTS LTD. ON DEC. 3, 1990 AND OCT. 19, 1994 AND DEC. 19, 1996.
2. DATES OBTAINED FROM SANBORN MAPS, ENGINEERING DRAWINGS, AND AERIAL PHOTOGRAPHS.



**Barrier / Cover Maintenance Plan
Wisconsin Central Ltd.
Prairie Avenue Yard – Former Oil Storage Building
300 Prairie Avenue
Green Bay, Wisconsin
WDNR BRRTS Activity No. 02-05-542645**

Introduction

This document outlines the Maintenance Plan for a barrier/cover at the Wisconsin Central Ltd. Prairie Avenue Yard located at 300 Prairie Avenue in Green Bay, Wisconsin. This plan was prepared in accordance with the requirements of s. NR 724.13(2), Wisconsin Administrative Code. The maintenance activities are associated with an existing barrier covering subsurface soil characterized by elevated polynuclear aromatic hydrocarbons (PAHs) and lead concentrations. The location of the barrier/cover, to be maintained in accordance with this Maintenance Plan, is identified on Figure 9.

Soil Barrier/Cover Purpose and Description

The barrier/cover located 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 barrier/cover includes, remaining concrete floor slabs and pavement from the former Roundhouse and workshop / utility buildings and former box car wash area. Also included are portions of the existing gravel parking and driveways areas. This barrier/cover ties into a portion of the existing barrier/cover associated with the closed BRRTS Activity No. 02-05-000068.

The following activities are prohibited on any portion of the property where the existing barrier/cover is required as shown on Figure 9, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources (WDNR):

- removal of the existing barrier
- replacement with another barrier
- excavation or grading of the land surface
- filling on capped or paved areas
- plowing for agricultural cultivation
- construction or placement of a building or other structure

Based on the current and future use of the property, the barrier should function as intended, unless disturbed.

Annual Inspection

The barrier/cover overlying the impacted soil, as depicted on Figure 9, will be inspected once a year. Inspection will be conducted in the spring of each year after the snow melt. The barrier/cover will be inspected visually to evaluate damage due to settling, wear from traffic (tire ruts) and for other potential problems that may expose underlying soil. Areas of the barrier that have become or likely to become exposed will be documented and repaired to pre-existing conditions. A log of the inspections and any repairs will be maintained by the property owner and is included in the Barrier/Cover Inspection Log (attached). The log will include recommendations for necessary repair of areas where underlying soils are exposed. Once repairs are completed, they will be documented in the inspection log.

Maintenance Activities

If areas of the barrier are noted to be disturbed during the annual inspection or at any other time of the year, repairs will be scheduled as soon as practical. During maintenance activities, if underlying soils are exposed for an extended period of time, the owner should inform maintenance workers of the direct contact exposure hazard. The owner should also sample any soil that is excavated from the site prior to disposal to document chemical characteristics of soil transported from the facility. The soil should be managed, and disposed of in accordance with applicable local, state, and federal law.

In the event the barrier overlying the soil is removed or replaced, the replacement barrier must also limit direct contact with underlying soil. The replacement barrier will be subject to the same maintenance and inspection guidelines as outlined herein unless indicated otherwise by the WDNR or its successor.

The property owner 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.

Amendment of 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:

Mr. Brian Hayden
Wisconsin Central Ltd.
1 Waterfront Drive
Two Harbors, MN 55616
Phone: (218) 628-4592

Consultant:

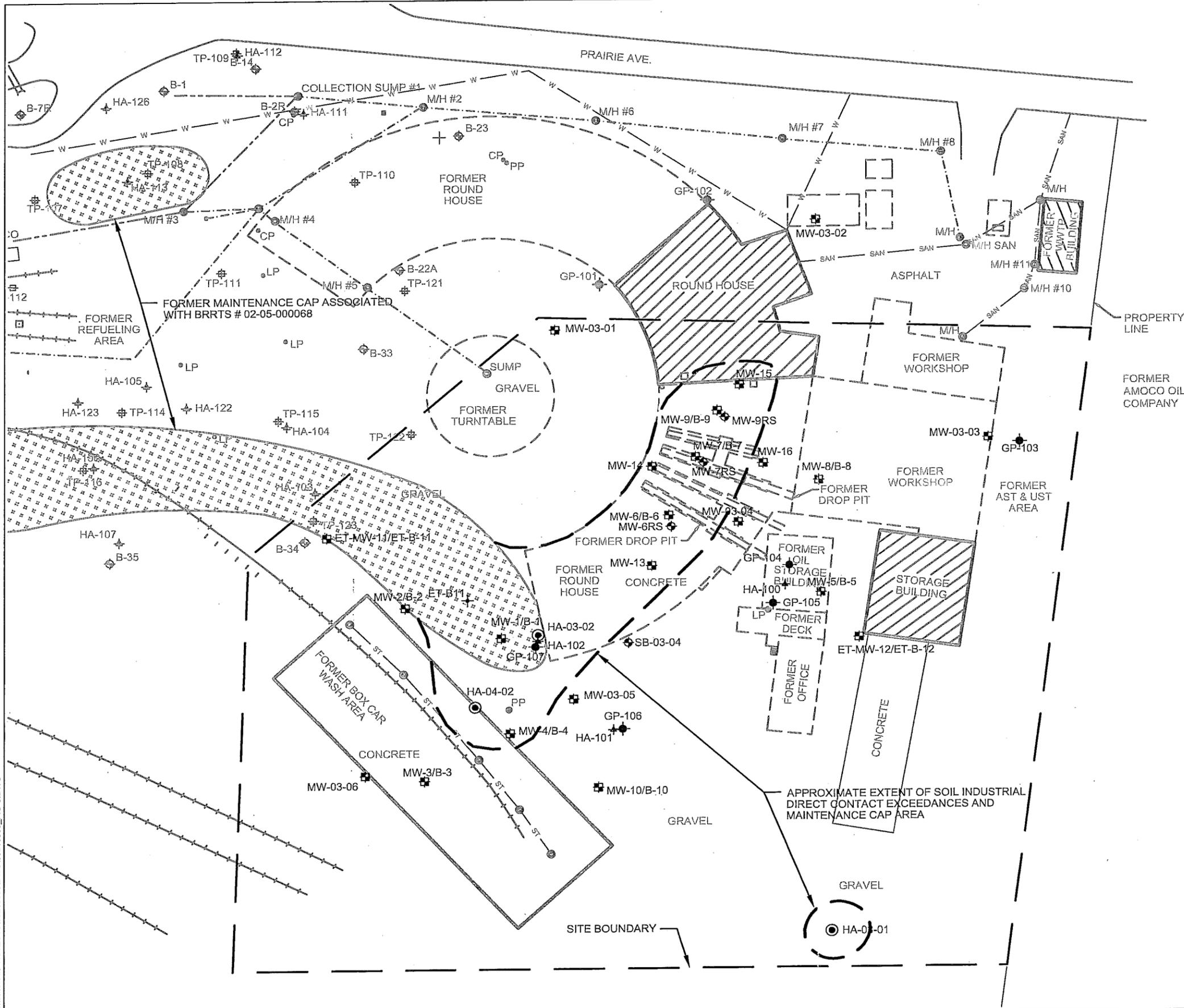
Mr. Andrew Mott
AECOM
558 North Main Street
Oshkosh, Wisconsin 54901
Phone: (920) 236-6713

WDNR:

Mr. Keld Lauridsen
Wisconsin Department of Natural Resources
2984 Shawano Avenue
Green Bay, Wisconsin 54313
Phone: (920) 662-5420

Attachments:

Figure 9 - Cover Maintenance Cap
Barrier / Cover Inspection Log

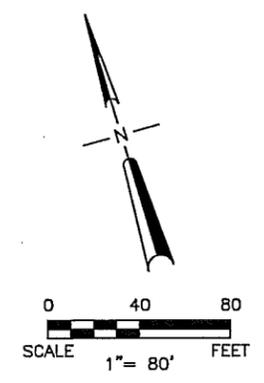


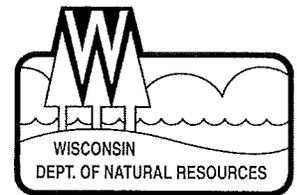
LEGEND:

- FORMER BUILDING
- EXISTING BUILDINGS
- TP-116 TEST PIT (STS - 1994)
- GP-104 GEOPROBE BORING (STS - 1996)
- HA-104 HAND AUGER (STS - 1998)
- HA-03-01 HAND AUGER
- SB-10 SOIL BORING (AECOM)
- MW-1 MONITORING WELL
- ET-B11 SOIL BORING
- PP POWER POLE
- LP LIGHT POLE
- CP SURVEY CONTROL POINT
- M/H MANHOLE (M/H)
- FUEL HOSE
- FIRE HYDRANT
- RAILROAD TRACKS
- GROUNDWATER COLLECTION PIPE (ABANDONED)
- GROUNDWATER COLLECTION TRENCH
- SANITARY LINE
- WATER LINE
- STORM LINE

NOTES:

1. MAP COMPILED FROM AERIAL PHOTOGRAPH SUPPLIED BY THE CITY OF GREEN BAY (11-18-79, AERO-METRIC ENGINEERING, INC.) AND FROM FIELD SURVEY BY STS CONSULTANTS LTD. ON DEC. 3, 1990 AND OCT. 19, 1994 AND DEC. 19, 1996.
2. DATES OBTAINED FROM SANBORN MAPS, ENGINEERING DRAWINGS, AND AERIAL PHOTOGRAPHS.





December 5, 2012

Wisconsin Central, Ltd.
Attn: Mr. Brian Hayden
1 Waterfront Drive
Two Harbors, MN 55616

Subject: Conditional Closure Decision with Requirements to Achieve Final Closure
Prairie Ave Yard – Former Oil Storage Bldg, 300 block Prairie Avenue,
Green Bay, Wisconsin
WDNR BRRTS Activity # 02-05-542645

Dear Mr. Hayden:

On December 4, 2012, the Northeast Region Closure Committee reviewed your request for closure of the case described above. The Closure Committee 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 Closure Committee has determined that the chlorinated solvent and petroleum contamination identified at the site and likely related to previous rail yard locomotive repair and maintenance activities in the vicinity of the former roundhouse/oil storage building appears to have been investigated and remediated to the extent practicable under site conditions. Your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code and will be closed if the following conditions are satisfied:

The monitoring wells at the site must be properly abandoned in accordance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment must be submitted on Form 3300-005, found at <http://dnr.wi.gov/org/water/dwg/forms/3300005.pdf> or provided by the Department of Natural Resources.

Any remaining purge water, waste and/or soil piles generated as part of site investigation or remediation activities must be removed from the site and disposed of or treated in accordance with Department of Natural Resources' rules. Once that work is completed, please send appropriate documentation regarding the treatment or disposal of the remaining purge water, waste and/or soil piles.

When the above conditions have been satisfied, please submit the appropriate documentation (for example, well abandonment forms, disposal receipts, copies of correspondence, etc.) to verify that applicable conditions have been met, and your case will be closed.

Your site will be listed on the DNR's Remediation and Redevelopment GIS Registry. Information that was submitted with your closure request application will be included on the GIS Registry. To review the site on the GIS Registry web page, visit the RR Sites Map page at: <http://dnrmaps.wi.gov/imf/imf.jsp?site=brrts2>.

As part of the approval of the closure of this case, you will be responsible for the following continuing obligations (remaining soil and groundwater contamination, cap maintenance and a structural impediment (remains of the former roundhouse) inhibiting complete site investigation/remediation). In the final closure approval, you will also be required to conduct annual cap inspections. Documentation of the inspection will be required to be kept on site.

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 to the environment.

We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at (920) 662-5420.

Sincerely,



Keld Lauridsen
Hydrogeologist
Remediation & Redevelopment Program

cc: Andrew Mott, AECOM (ecopy - Andrew.Mott@aecom.com)

1403220

J 23215 1 01

QUIT CLAIM DEED

FOX RIVER VALLEY RAILROAD CORPORATION, a Wisconsin corporation (the "Grantor"), formerly known as FRVR CORPORATION, quit-claims to FOX VALLEY & WESTERN LTD., an Illinois corporation (the "Grantee"), whose tax mailing address is One O'Hare Centre, Suite 2000, 6250 N. River Road, Rosemont, Illinois 60017, for the sum of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt whereof is hereby acknowledged, the following described real estate in Brown County, in the State of Wisconsin, to-wit: The real estate more particularly described in EXHIBIT "A" attached hereto and made a part hereof.

IN WITNESS WHEREOF, the Grantor has caused this instrument to be executed by its duly authorized officer as of this 12th day of August, 1993

Attest:

By: Charles D. Martin
Charles D. Martin
VP Finance & Accounting

FOX RIVER VALLEY RAILROAD CORPORATION, a Wisconsin corporation

By: Robert E. Dowdy
Robert E. Dowdy
President

STATE OF Wisconsin)
COUNTY OF Brown) SS.

TRANSFER
\$ 2,310.00
FEE

Before me Sandra K. Child, a notary public in and for said County and State, personally appeared FOX RIVER VALLEY RAILROAD CORPORATION; by Robert E. Dowdy and Charles D. Martin, President and VP Finance and Accounting, respectively, to me known to be the persons who executed the foregoing deed and acknowledged the same.

Given under my hand and official seal, this 12th day of August, 1993.

My Commission expires:
January 19, 1997.

Sandra K. Child

Notary Public
(SEAL)



This instrument was drafted by Yasmina Rahal, Esq
Skadden, Arps, Slate, Meagher & Flom
333 West Wacker Drive
Chicago, Illinois 60606

State Title
Services, Inc.

EXHIBIT "A"

STATE OF WISCONSIN

Strips of land of varying widths located in the County of Brown, State of Wisconsin, including all of Grantor's rights of way, station grounds and other real property associated therewith, not previously conveyed and not excluded and excepted herein, all as located over, across and upon the following described lands, to wit:

BROWN COUNTY, STATE OF WISCONSIN

Beginning at the intersection of the center line of the Grantor's main line track extending from Milwaukee, Wisconsin to Howard, Wisconsin (through Fond du Lac and Green Bay) and the Westerly line of Brown County, Wisconsin, being also a point on the Westerly line of Section 3, Township 21 North, Range 19 East of the Fourth Principal Meridian, distant 1,932 feet Southerly of the Northwest corner thereof; thence Northeasterly along said main line track center line traversing the following Sections:

Township 21 North, Range 19 East of the Fourth Principal Meridian, Sections 3 and 2;

Township 22 North, Range 19 East of the Fourth Principal Meridian, Sections 35, 26, 23, 24 and 13.

to a point in the fractional Northwest Quarter of the Southeast Quarter of said Section 13, said point being also on the Southwesterly line of Lot 140 of "Williams Grant", according to the recorded Plat thereof; thence continuing Northeasterly along said

main line track center line traversing the following Lots: 140, 139, 138, 137, 136, 135, 134, 133, 132, 131, 130, 129, 128, 127, 126, 125, 124, 123, 122, 121, 120, 119, 118, 117, 116 and 115, all in said "Williams Grant", according to the recorded Plat thereof, being also a point in the fractional Southwest Quarter of Section 5, Township 22 North, Range 20 East of the Fourth Principal Meridian; thence continuing Northeasterly along said main track traversing the following Sections:

Township 22 North, Range 20 East of the Fourth Principal Meridian, Section 5;

Township 22 North, Range 20 East of the Fourth Principal Meridian, Sections 12, 33 and 28.

to a point in the fractional Northeast Quarter of said Section 28, said point being also on the Southwesterly line of Private Claim 29, West of the Fox River; thence continuing Northeasterly along said main line track center line traversing the following:

Private Claim 29 West of the Fox River
 Private Claim 28 West of the Fox River
 Private Claim 27 West of the Fox River
 Private Claim 26 West of the Fox River
 Private Claim 25 West of the Fox River
 Private Claim 24 West of the Fox River
 Private Claim 23 West of the Fox River
 Private Claim 22 West of the Fox River
 Private Claim 21 West of the Fox River
 Private Claim 20 West of the Fox River
 Private Claim 30 West of the Fox River
 Private Claim 19 West of the Fox River
 Private Claim 18 West of the Fox River
 Private Claim 17 West of the Fox River
 Private Claim 16 West of the Fox River
 Private Claim 15 West of the Fox River
 Private Claim 14 West of the Fox River
 Private Claim 13 West of the Fox River
 Private Claim 12 West of the Fox River
 Private Claim 11 West of the Fox River
 Private Claim 10 West of the Fox River
 Private Claim 9 West of the Fox River
 Private Claim 8 West of the Fox River
 Private Claim 7 West of the Fox River
 Private Claim 6 West of the Fox River
 Private Claim 5 West of the Fox River
 Private Claim 4 West of the Fox River
 Private Claim 3 West of the Fox River

to the Northeastly line of said Private Claim 3; thence continuing Northerly and Northwestly along said main line track center traversing the following tracts of land, to wit:

A part of Private Claim 2 West of the Fox River,

The unsurveyed part of Private Claim 2 West of the Fox River,

The vacant Strip of land claimed by Alexander Gerdepie,

Private Claim 1 West of the Fox River,

Douman's Claim,

A tract of land referred to as the "Rail Road Tract", being a part of the Fort Howard Military Reserve, according to the recorded plat thereof, lying Northerly of said Douman's Claim,

The Claim known as the Laventure or Whitney tract;

thence continuing along said main line track center line, Northwestly, through a tract of land known as the Fort Howard Military Reserve, according to the recorded Plat thereof, to a point in Lot 4 of said Fort Howard Military Reserve, said point (M.P. 4.0) being also a point on the Easterly extension of the South line of Section 10, Township 24 North, Range 20 East of the Fourth Principal Meridian, distant 2,335 feet, more or less, Easterly of the Southwest corner of said Section 10, and there terminating; INCLUDING all of the Grantor's spur track rights-of-way lying between the above described main line track center line and the Fox River; ALSO INCLUDING all of the Grantor's spur track rights-of-way, being either wholly owned or jointly owned, extending Southeastly from the above described main line track center line in said Fort Howard Military Reserve, through Private Claim 1 East of the Fox River, Eastman's Addition to Green Bay and Martins Addition to Green Bay, according to the recorded Plats thereof, and the West Half of Section 32, Township 24 North, Range 21 East of the Fourth Principal Meridian. EXCLUDING AND EXCEPTING the signboard, access thereto and any income derived therefrom with respect to certain real estate conveyed by the Grantor to Jeffrey G. Smet by Deed #85094, dated November 21, 1986, said deed being recorded in Brown County, Wisconsin on December 9, 1986 in Volume 11266, Page 43.

BROWN COUNTY, STATE OF WISCONSIN

Beginning at the intersection of the center line of the Grantor's main line track extending from Cleveland, Wisconsin to Green Bay, Wisconsin (through Manitowoc and Denmark), and the Southerly line of Brown County, Wisconsin, being also the Southerly line of Section 34, Township 22 North, Range 22 East, said intersection being located 303 feet Easterly of the Southwest corner of said Section 34; thence Northwesterly along said main line track center line traversing the following Sections:

Township 22 North, Range 22 East of the Fourth Principal Meridian.
Sections 34, 33, 28, 21, 16, 9, 8, 5 and 6;

Township 22 North, Range 22 East of the Fourth Principal Meridian.
Section 31;

Township 21 North, Range 21 East of the Fourth Principal Meridian.
Sections 26, 25, 24, 23, 22, 21, 16, 9 and the fractional South-east Quarter of 8.

to a point on the southeasterly line of Private Claim 10 East of the Fox River; thence continuing Northwesterly along said main line track center line traversing the following:

- Private Claim 10 East of the Fox River
- Private Claim 11 East of the Fox River
- Private Claim 12 West of the Fox River
- Private Claim 13 West of the Fox River
- Private Claim 11 West of the Fox River
- Private Claim 10 West of the Fox River
- Private Claim 9 West of the Fox River

to a point (M.P. 113.30) located on the southerly line of 9th Street in the City of Green Bay, Brown County, Wisconsin, and there terminating.

EXCLUDING AND EXCEPTING all of the Grantor's right title and interest in the following described lands, to wit:

Part of a certain tract of land, formally known as the Fort Howard Military Reserve, now known as the Railroad Grant, T24N-R20E, City of Green Bay, Brown County, Wisconsin, more fully described as follows:

Beginning at the intersection of the south line of Mather Street and the east line of McDonald Street; thence S26°21'35"W, 44.21 feet; thence S52°12'32"W, 725.18 feet; thence N26°10'14"E, 177.79 feet along an east line of Volume 783, Records, page 376, Brown County Records; thence N63°48'57"W, 45.00 feet along a north line of said volume and page; thence N26°10'14"E, 343.00 feet along an east line of Jacket 8232, Image 15, Brown County Records; thence S63°48'57"E, 111.93 feet along a south line of Jacket 16038, Image 15, Brown County Records; thence N26°11'42"E, 50.31 feet along an east line of said Jacket and Image; thence S77°47'32"E, 103.10 feet along a south line of said Jacket and Image; thence S63°49'46"E, 11.47 feet along a south line of Jacket 13879, Image 17, Brown County Records; thence 113.99 feet along a line that is 9.5 feet west of the centerline of a remnant spur lane, being the arc of a 245.50 foot radius curve to the left whose long chord bears N53°59'00"E, 112.97 feet to the south right-of-way line of Mather Street; thence S63°45'33"E, 87.30 feet along said right-of-way to the point of beginning.

Parcel contains 106,003 square feet/2.43 acres, more or less, and subject to all easements and restrictions of record

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That part of the fractional NE $\frac{1}{4}$, Section 28, T23N, R20E, City of De Pere, Brown County, Wisconsin, described as follows:

Commencing at the northwest corner of Lot 2, Stewart's Second Addition; thence S 83° 21' 16" E along the south line of Butler Street, 415.33 feet to the point of beginning; thence S 17° 17' 24" E 231.04 feet; thence along the arc of a 2162.00 foot radius curve to the right 214.66 feet, the chord of which bears S 10° 09' 29" E 214.57 feet; thence S 83° 23' 46" E 57.25 feet to the centerline of the main track of the Fox River Valley Railroad; thence along said centerline along the arc of a 2148.79 foot radius curve (2° 40' curve) to the left 442.25 feet, the chord of which bears N 12° 42' 48" W 441.46 feet; thence N 83° 21' 16" W 66.80 feet to the point of beginning, excepting therefrom a 50 foot strip lying adjacent and west of the above described main track centerline. Containing 3,633 sq. ft. (0.083 ac.) and subject to all easements and restrictions of record.

PARCEL A:

Part of a tract of land formerly known as the Fort Howard Military Reserve, T24N-R20E, City of Green Bay, Brown County, Wisconsin, more fully described as follows:

Beginning at a U.S. Army Corps of Engineers point on the bulkhead line, point "E", West Side Fox River; thence S26° 30' 36" W, 8.90 feet along said bulkhead line; thence N63° 40' 07" W, 168.42 feet; thence N4° 44' 45" E, 46.10 feet along a line being 10 feet, more or less, easterly of the centerline of Track 431 of the Green Bay and Western Railroad; thence N1° 24' 51" W, 79.88 feet along a line 10 feet, more or less, easterly of Track 431, of said Green Bay and Western Railroad, to a point on a southerly line of Volume 1097, Records, page 43, Brown County Records; thence S25° 52' 25" E, 110.00 feet along said southerly line of said Volume 1097, Records, page 43; thence S67° 26' 57" E, 123.07 feet along said south line to said bulkhead line; thence S10° 24' 11" W, 47.18 feet along said bulkhead line to the point of beginning.

Parcel contains 10,241 square feet/0.24 acres, more or less, and subject to all easements and restrictions of record.

PARCEL B:

Part of a tract of land formerly known as the Fort Howard Military Reserve, T24N-R20E, City of Green Bay, Brown County, Wisconsin, more fully described as follows:

Beginning at the southwest corner of Volume 309, Deeds, page 61, Brown County Records; thence S64° 13' 12" E, 292.40 feet along the southerly line of Volume 309, Deeds, page 61 and Volume 315, Deeds, page 380, both Brown County Records; thence N63° 40' 07" E, 168.42 feet; thence N67° 26' 57" W, 125.99 feet along the northeasterly line of Parcel II, Volume 347, Deeds, page 651, Brown County Records; thence S4° 37' 31" E, 57.56 feet, along a westerly line of Parcel II of Volume 347, Deeds, page 651, Brown County Records; thence N64° 43' 00" W, 372.80 feet, along the northerly line of Parcel I of said Volume 347, Deeds, page 651; thence N42° 32' 03" E, 24.79 feet, along the extension of the westerly line of Jacket 10969, Image 1, Brown County Records; thence N20° 01' 28" E, 37.88 feet, along the extension of the westerly line of Volume 309, Deeds, page 61, Brown County Records, to the point of beginning.

Parcel contains 21,512 square feet/0.49 acres, more or less, and subject to all easements and restrictions of record.

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That part of Lot 53, Fort Howard Military Reserve, City of Green Bay, Brown County, Wisconsin, described as follows:

Beginning at the southeast corner of said Lot 53; thence N 64° 12' 46" W along the south line of said Lot, 400.00 feet; thence N 26° 16' 21" E parallel with the east line of said Lot, 160.00 feet; thence S 42° 20' 42" E 429.55 feet to the point of beginning. Containing 32,000 sq. ft. (0.735 ac.) and subject to all easements and restrictions of record.

That part of Lot 53, Fort Howard Military Reserve, City of Green Bay, Brown County, Wisconsin, described as follows:

Commencing at the southeast corner of said Lot 53; thence N 26° 16' 21" E along the east line of said Lot, 540.00 feet to the point of beginning; thence N 64° 12' 46" W parallel with the south line of said Lot, 400.00 feet; thence N 26° 16' 21" E 98.65 feet; thence S 65° 03' 12" E along the south line of I 43, 65.50 feet; thence along the arc of a 705.49 foot radius curve to the left 225.29 feet, the chord of which bears S 57° 47' 37" E 225.28 feet; thence N 82° 16' 28" E 52.73 feet; thence S 65° 03' 12" E 66.73 feet; thence S 26° 16' 21" W 104.52 feet to the point of beginning. Containing 36,821 sq. ft. (0.845 ac.) and subject to all easements and restrictions of record.

REGISTER OF DEEDS
BROWN COUNTY

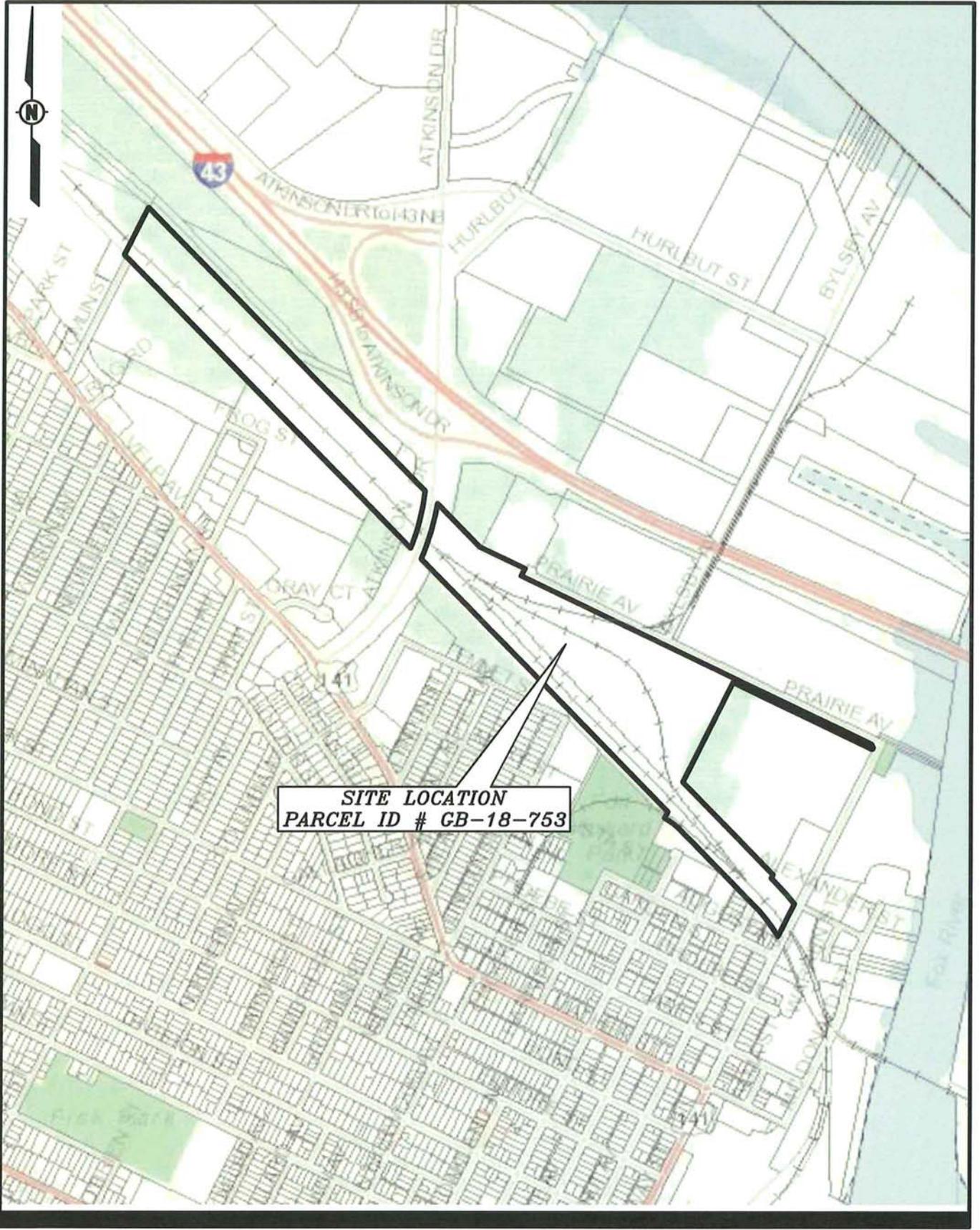
'94 APR 11 PM 12 41

CATHY WILLIQUETTE
REGISTER OF DEEDS

66 ⁰⁰

Project Management Initials: Designer: RLD Checked: MWM Approved: MWM ANS I A 8.5" x 11"

Last saved by: DUCARTR(2012-08-21) Last Plotted: 2012-08-21
Filename: X:\PROJECTS\60219905\DWG\60219905_FIG-8.DWG



**SITE LOCATION
PARCEL ID # GB-18-753**

**PARCEL MAP
WISCONSIN CENTRAL LTD.
PRAIRIE AVENUE YARD - FORMER OIL STORAGE BUILDING
GREEN BAY, WISCONSIN**

Project No.: 60219905 2012-08-20

AECOM
FIGURE-8

STATEMENT OF AFFECTED PROPERTY LEGAL DESCRIPTION

As required by s.NR 726.05(3)f of the Wisconsin Administrative Code, the Wisconsin Central Ltd. (WC) is providing this signed statement that to the best of our knowledge, the legal description for the property that is within, or partially within, the contaminated site boundary located at 300 Prairie Avenue in Green Bay, Wisconsin, has been provided to the Wisconsin Department of Natural Resources.

Brian T Hayden

Digitally signed by Brian Hayden
Date: 2012.10.21 23:29:09 -05'00'

10/21/12

Signature

Date

Brian T Hayden

Name

Environmental Manager

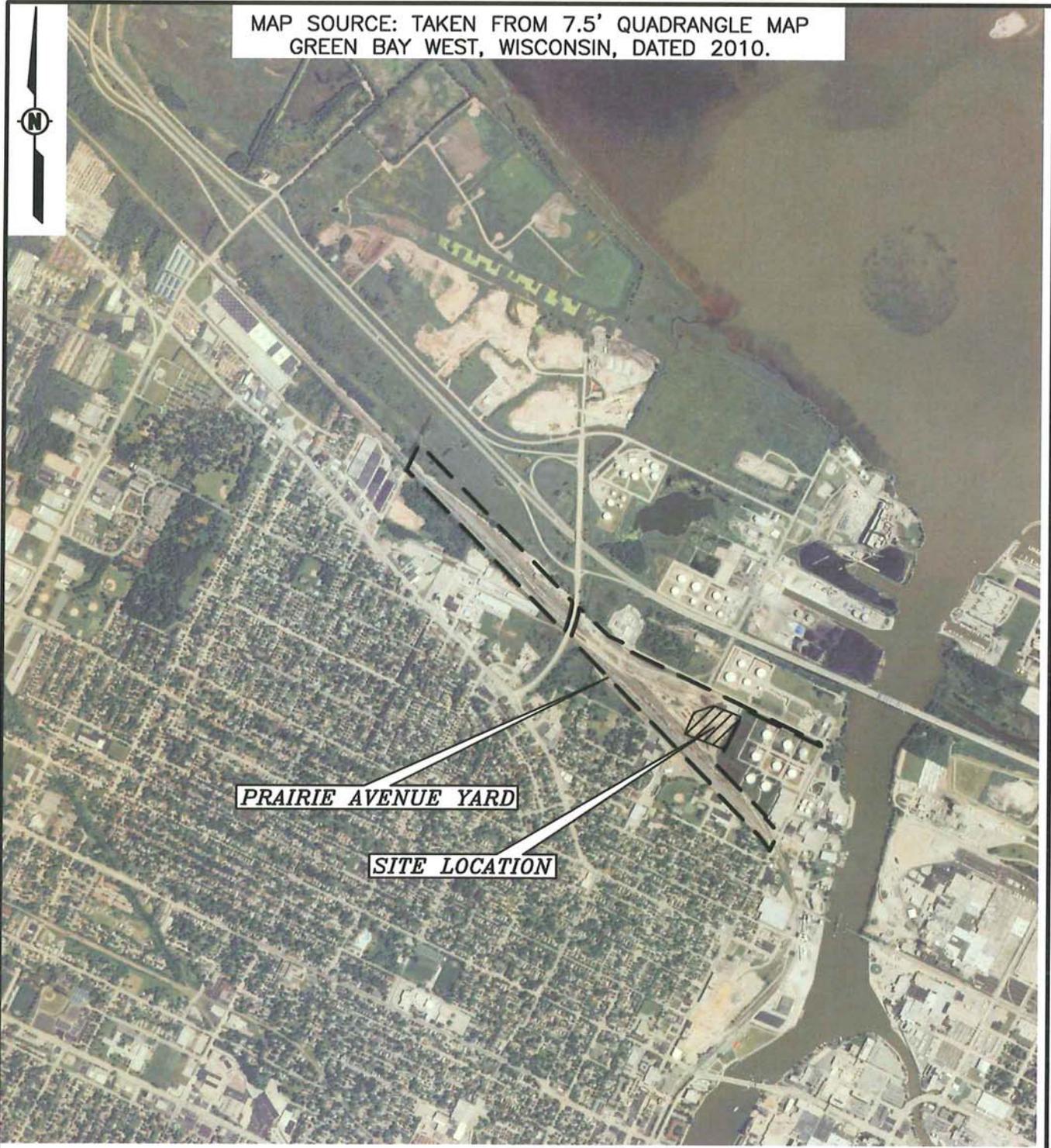
Title

Wisconsin Central Ltd.

Company

Project Management Initials: Designer: RLD Checked: MWM Approved: MWM ANSI A 8.5" x 11"

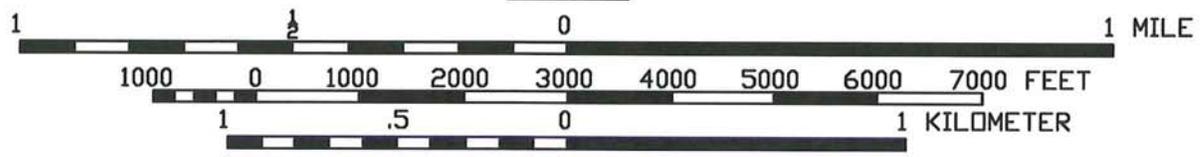
MAP SOURCE: TAKEN FROM 7.5' QUADRANGLE MAP GREEN BAY WEST, WISCONSIN, DATED 2010.



PRAIRIE AVENUE YARD

SITE LOCATION

SCALE

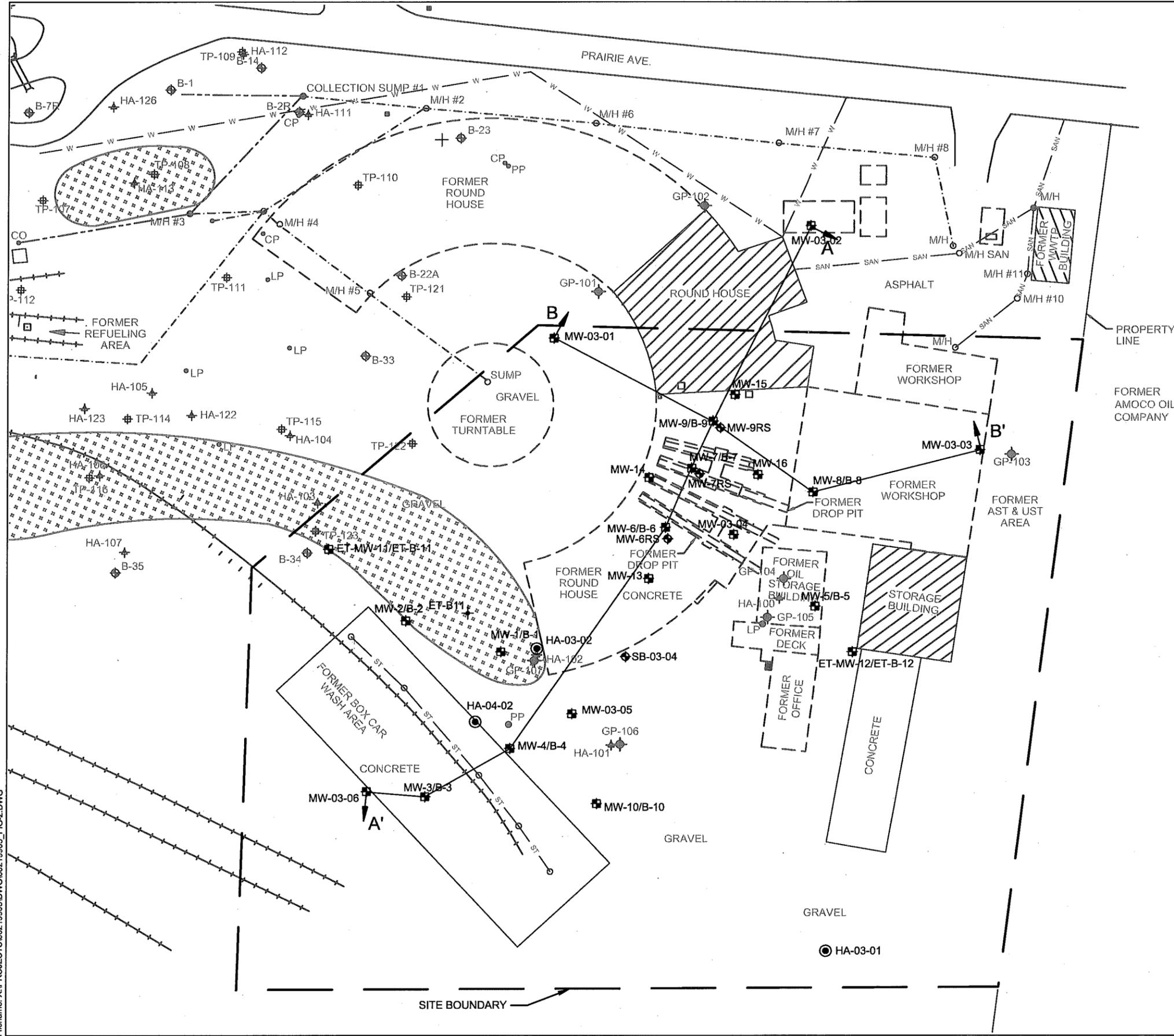


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SITE LOCATION MAP
WISCONSIN CENTRAL LTD.
PRAIRIE AVENUE YARD - FORMER OIL STORAGE BUILDING
GREEN BAY, WISCONSIN

AECOM
FIGURE-1

Project No.: 60219905 2012-08-20

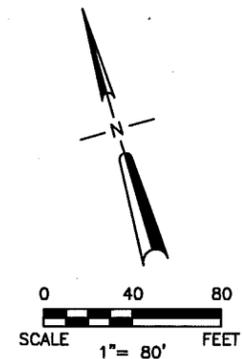


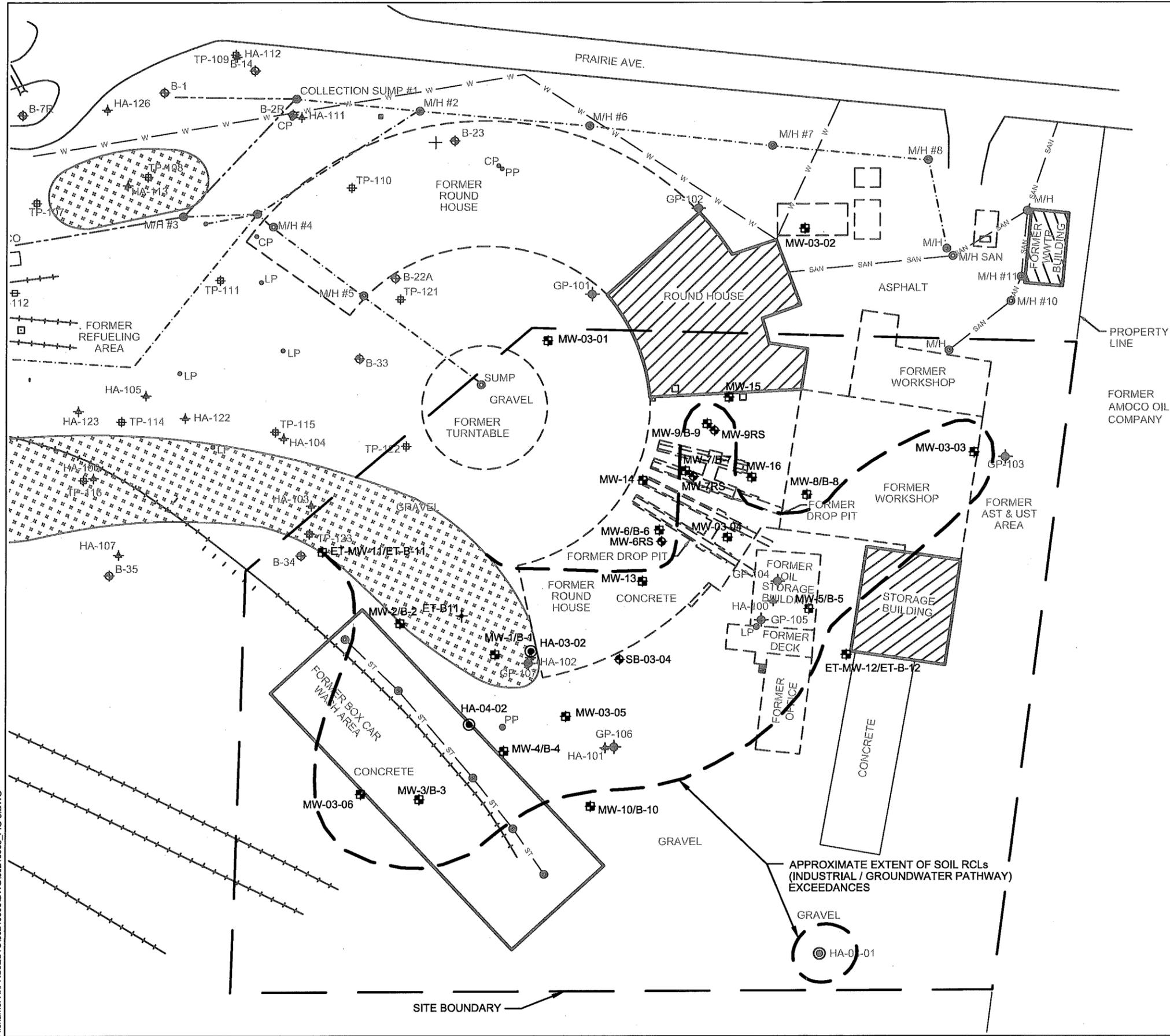
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- FIRE HYDRANT
- RAILROAD TRACKS
- GROUNDWATER COLLECTION PIPE (ABANDONED)
- GROUNDWATER COLLECTION TRENCH
- SANITARY LINE
- WATER LINE
- STORM LINE
- EXISTING PERFORMANCE BARRIER (GRAVEL CAP)
- SITE BOUNDARY

NOTES:

1. MAP COMPILED FROM AERIAL PHOTOGRAPH SUPPLIED BY THE CITY OF GREEN BAY (11-18-79, AERO-METRIC ENGINEERING, INC.) AND FROM FIELD SURVEY BY STS CONSULTANTS LTD. ON DEC. 3, 1990 AND OCT. 19, 1994 AND DEC. 19, 1996.
2. DATES OBTAINED FROM SANBORN MAPS, ENGINEERING DRAWINGS, AND AERIAL PHOTOGRAPHS.



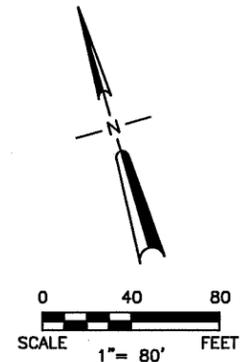


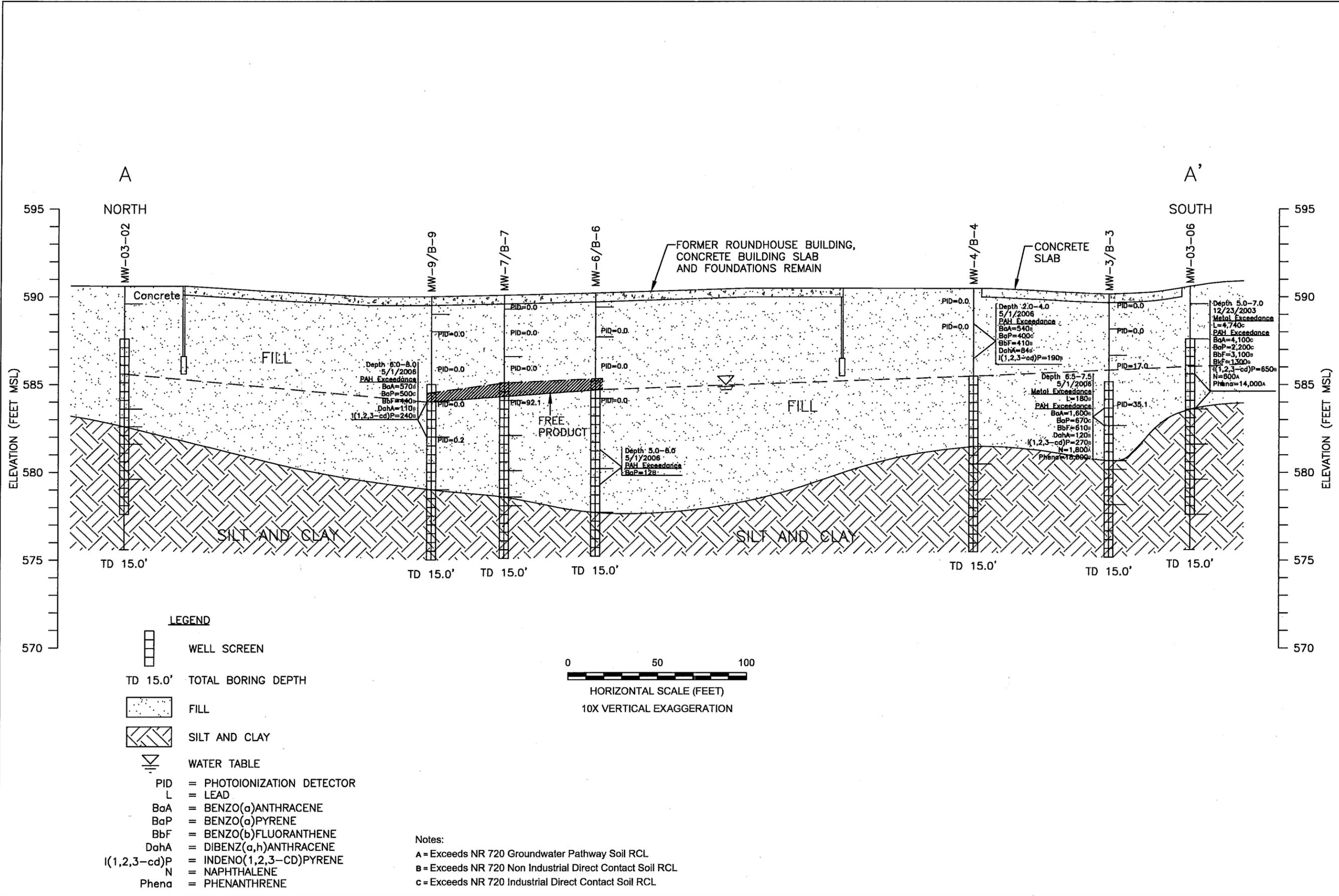
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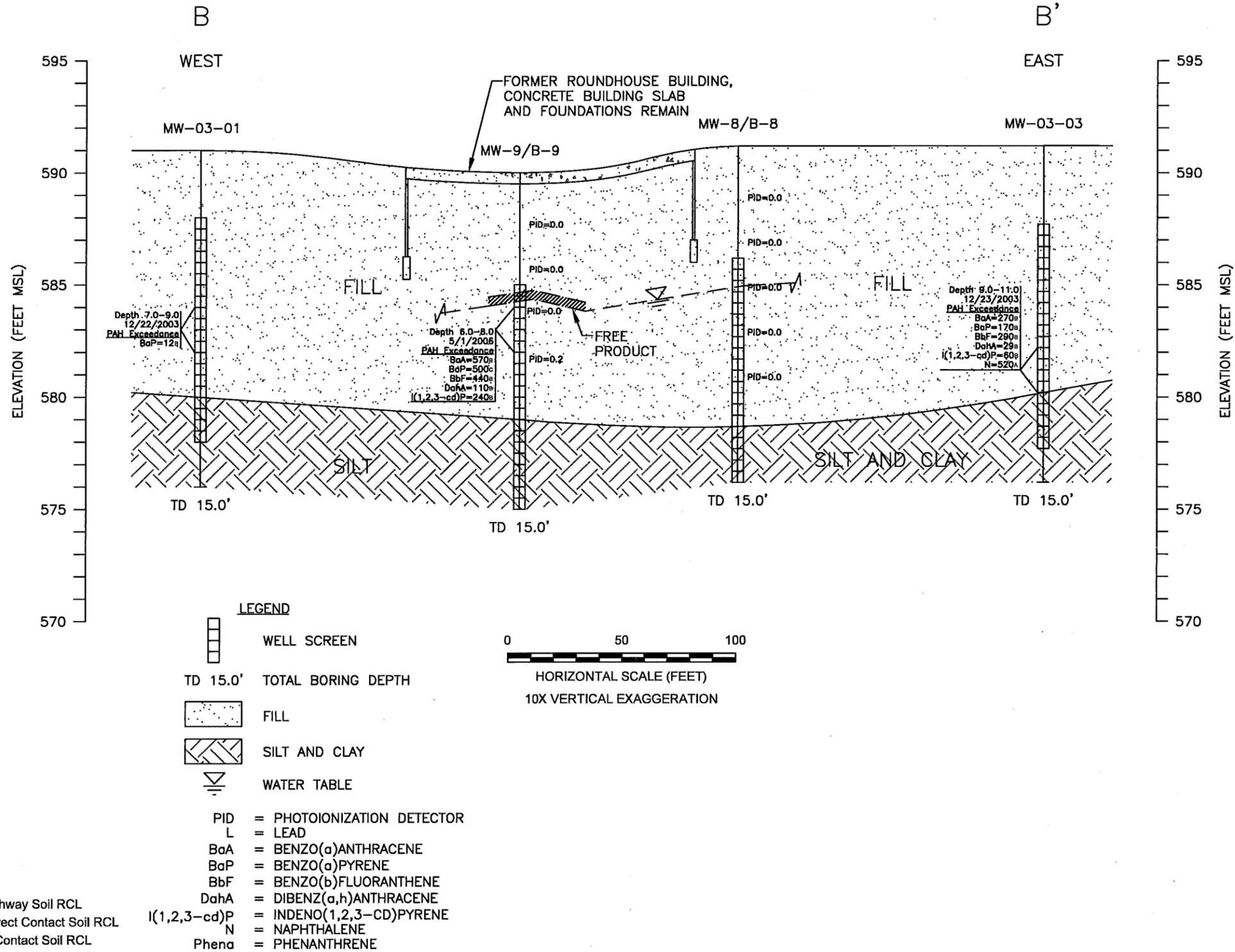
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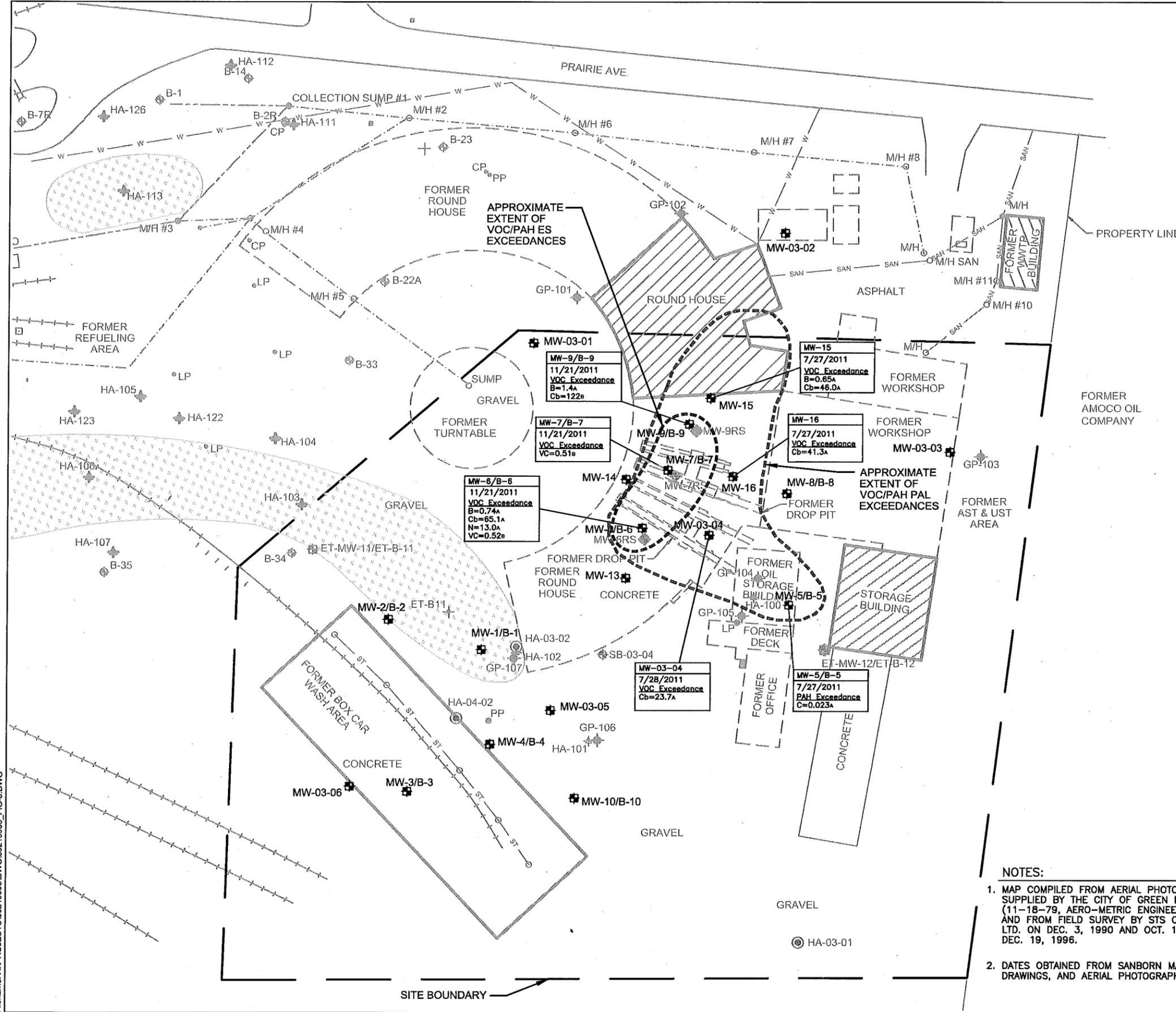
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2. DATES OBTAINED FROM SANBORN MAPS, ENGINEERING DRAWINGS, AND AERIAL PHOTOGRAPHS.









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- EXISTING BUILDINGS
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- SANITARY LINE
- WATER LINE
- STORM LINE
- SITE BOUNDARY
- EXISTING PERFORMANCE BARRIER (GRAVEL CAP)
- PAL EXCEEDANCES EXTENT
- ES AND FREE PRODUCT EXTENT
- B** BENZENE
- Cb** CHLORO BENZENE
- VC** VINYL CHLORIDE
- C** CHRYSENE
- N** NAPHTHALENE

Notes:
 A = Above PAL (Preventative Action Limit)
 B = Above ES (Enforcement Standard)

NOTES:

1. MAP COMPILED FROM AERIAL PHOTOGRAPH SUPPLIED BY THE CITY OF GREEN BAY (11-18-79, AERO-METRIC ENGINEERING, INC.) AND FROM FIELD SURVEY BY STS CONSULTANTS LTD. ON DEC. 3, 1990 AND OCT. 19, 1994 AND DEC. 19, 1996.
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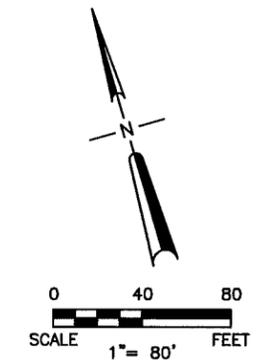


Table 2
Summary of Soil Sample Analytical Results
Paririe Avenue Yard - Green Bay, Wisconsin
AECOM Project No. 60219905



	Generic RCLs ⁽¹⁾⁽²⁾			NR 746 Criteria ⁽²⁾	Boring Number Laboratory Sample Number	MW-1/B-1	MW-2/B-2	MW-3/B-3	MW-4/B-4	MW-5/B-5	MW-6/B-6	MW-8/B-8	MW-9/B-9	MW-10/B-10	ET-B-11	MW-11/ET-B-11	MW-12/ET-B-12		
	Protection of Groundwater (A)	Direct Contact				Table 1 Indicator of Residual Petroleum Product in Soil Pores	Date Sampled	5/1/2006	5/1/2006	5/1/2006	5/1/2006	5/1/2006	5/1/2006	5/1/2006	5/1/2006	5/1/2006	5/1/2006	10/2/2007	10/2/2007
		Non-Industrial (B)	Industrial (C)				Depth (feet)	6.0-7.0	4.5-5.0	6.5-7.5	2.0-4.0	6.0-7.5	6.0-7.5	5.0-6.0	4.0-6.0	6.0-8.0	5.0-6.0	6.0-8.0	4.0-5.0
Petroleum Hydrocarbons (mg/kg)																			
Gasoline Range Organics	100	-	-	-		260 ^A	31	110 ^A	9.8	100 ^A	110 ^A	<2.6	<2.6	<2.6	5.3	15	NA		
Diesel Range Organics	100	-	-	-		6,500 ^A	1,600 ^A	2,100 ^A	270 ^A	910 ^A	1,900 ^A	130 ^A	<3.6	70	360 ^A	590 ^A	NA		
Detected Volatile Organic Compounds (µg/kg):																			
1,2,4-Trimethylbenzene	7,573	782,000	51,100,000	83,000		5,000	680	2,100	210	1,600	1,900	<25	<25	<25	36	470	<25		
1,3,5-Trimethylbenzene	3,520	782,000	51,100,000	11,000		2,500	180	1,100	64	830	960	<25	<25	<25	<25	290	<25		
Benzene	5.5	1,100	52,000	8,500		86 ^A	270 ^A	<50	<25	32 ^A	<25	<25	<25	<25	<25	210 ^A	<25		
Ethylbenzene	2,900	1,560,000	102,000,000	4,600		630	400	150	61	90	94	<25	<25	<25	<25	180	<25		
n-Butylbenzene	-	-	-	-		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
n-Propylbenzene	-	-	-	-		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Naphthalene	400	30,000	4,000,000	-		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
p-Isopropyltoluene	-	-	-	-		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
sec-Butylbenzene	-	-	-	-		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Toluene	1,500	1,250,000	81,800,000	38,000		470	1,400	200	180	160	140	<25	<25	<25	87	940	<25		
Xylene (total)	4,100	3,130,000	204,000,000	-		2,260	2,200	720	550	580	550	<75	<75	<75	66	880	<75		
Metals (mg/kg)																			
Cadmium	-	-	-	-		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Chromium	-	-	-	-		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Lead	-	50	500	-		35	420 ^B	180 ^B	42	200 ^B	300 ^B	5.2	1.5	7.8	57 ^B	190 ^B	NA		
PAH (µg/kg):																			
1-methyl naphthalene	23,000	1,100,000	70,000,000	-		5,500	3,100	1,200	390	4,200	17,000	12	<3.1	20	330	390	3,100		
2-methyl naphthalene	20,000	600,000	40,000,000	-		2,900	4,600	1,900	510	4,000	27,000 ^A	21	<3.2	29	460	570	310		
Acenaphthene	38,000	900,000	60,000,000	-		1,700	210	5,200	92	19,000	89,000 ^A	78	<3.1	24	19	24	310		
Acenaphthylene	700	18,000	360,000	-		510	260	290	61	300	<1300	<3.0	<3.0	24	35	37	88		
Anthracene	3,000,000	5,000,000	300,000,000	-		910	650	4,600	300	7,900	49,000	64	<3.7	200	95	99	250		
Benzo(a)anthracene	17,000	880 [*]	3,900	-		590	750	1,600 ^B	540	3,000	16,000 ^C	25	<5.5	570	75	170	<44		
Benzo(a)pyrene	48,000	88 [*]	390	-		440 ^C	630 ^C	670 ^C	400 ^C	1,700 ^C	7,400 ^C	12	<3.0	500 ^C	50	170 ^B	<42		
Benzo(b)fluoranthene	360,000	880 [*]	3,900	-		440	650	610	410	1,500 ^B	6,600 ^C	12	<2.9	440	110	160	<43		
Benzo(g,h,i)perylene	6,800,000	18,000 [*]	39,000	-		190	500	290	210	490	2,600	4.2	<3.7	240	34	72	<46		
Benzo(k)fluoranthene	870,000	8,800 [*]	39,000	-		390	660	730	460	1,600	5,100	11	<3.1	400	81	180	<41		
Chrysene	37,000	88,000 [*]	390,000	-		770	1,000	1,400	720	4,000	18,000	27	<4.5	470	150	210	110		
Dibenzo(a,h)anthracene	38,000	88 [*]	390	-		67	170 ^B	120 ^B	84	240 ^B	1,300 ^C	<2.9	<2.8	110 ^B	7.4	29	<46		
Fluoranthene	500,000	600,000.0	40,000,000	-		1,400	1,100	10,000	1,200	20,000	120,000	160	<3.0	1,100	210	290	87		
Fluorene	100,000	600,000	40,000,000	-		2,200	310	5,000	78	12,000	62,000	70	<3.5	34	14	20	320		
Indeno(1,2,3-cd)pyrene	680,000	880 [*]	3,900	-		160	380	270	190	430	2,000 ^B	2.7	<2.6	240	21	61	<45		
Naphthalene	400	20,000	110,000	-		1,700 ^A	2,000 ^A	1,800 ^A	320	5,300 ^A	34,000 ^{AB}	18	<4.1	18	190	290	220		
Phenanthrene	1,800	18,000	390,000	-		2,200 ^A	2,400 ^A	18,000 ^B	1,100	35,000 ^{AB}	210,000 ^B	310	3.4	290	470	620	510		
Pyrene	8,700,000	500,000	30,000,000	-		1,800	1,300	6,100	1,100	15,000	72,000	100	<2.5	950	250	340	170		
Miscellaneous (mg/kg)																			
TOC	-	-	-	-		71,000	170,000	29,000	250,000	340,000	81,000	7000	5400	7,000	620,000	NA	NA		

NOTES:

⁽¹⁾ Wisconsin Administrative Code Chapter NR 720, September 2007 - RCLs based on Table 1 (groundwater protection) or Table 2 (direct contact) values

⁽²⁾ NR 746 - Wisconsin Administrative Code Chapter NR 746, September 2007.

⁽³⁾ Interim PAH RCLs from "Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs) Interim Guidance," Wisconsin Department of Natural Resources, April 1997 (corrected).

* = WDNR PAH RCL adjusted to reflect exposure risk of 1x10⁻⁶ in accordance with NR 720.19(5)(a).

Generic RCLs not included in Wisconsin Administrative Code or Guidance are calculated from the US EPA

Soil Screening Level Web Page and the default values contained in Determining Residual Contaminant Levels using the EPA Soil Screening Level Web Site - WDNR PUB-RR-682, dated May 12, 2006

Blank cell indicates regulatory criteria have not been established.

bgs - below ground surface.

mg/kg - milligrams per kilogram.

µg/kg - micrograms per kilogram.

PAH - Polynuclear Aromatic Hydrocarbons

RCL - Residual Contaminant Level

NA - Not Analyzed

J - The analyte has been detected between the limit of detection and limit of quantitation. The results are qualified due to the uncertainty of concentrations in this range.

^A = Exceeds NR 720 Groundwater Pathway RCL

^B = Exceeds NR 720 Non Industrial Direct Contact RCL

^C = Exceeds NR 720 Industrial Direct Contact RCL

Table 2
Summary of Soil Sample Analytical Results
Paririe Avenue Yard - Green Bay, Wisconsin
AECOM Project No. 60219905



	Generic RCLs ⁽¹⁾⁽³⁾			NR 746 Criteria ⁽²⁾	Boring Number	HA-101	HA-102	GP-103	GP-104	GP-105	GP-106	GP-107	TP-122	TP-123
	Protection of Groundwater (A)	Direct Contact		Table 1 Indicator of Residual Petroleum Product in Soil Pores	Laboratory Sample Number	—	—	—	—	—	—	—	—	—
		Non- Industrial (B)	Industrial (C)		Date Sampled	4/14/1998	4/14/1998	12/10/1996	12/10/1996	12/10/1996	12/9/1996	12/10/1996	12/10/1996	10/25/1996
					Depth (feet)	1.0-1.5	1.0-1.5	1.0-3.0	1.0-3.0	7.0-9.0	1.0-3.0	0.0-2.0	0.0-2.0	2.0
					Material Sampled	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL
Petroleum Hydrocarbons (mg/kg)														
Gasoline Range Organics	100	—	—	—		NA	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics	100	—	—	—		NA	NA	NA	NA	NA	NA	NA	<2.0	862 ^A
Detected Volatile Organic Compounds (µg/kg):														
1,2,4-Trimethylbenzene	7,573	782,000	51,100,000	83,000		<30	50	NA	NA	<25	NA	603	518	NA
1,3,5-Trimethylbenzene	3,520	782,000	51,100,000	11,000		<30	<28	NA	NA	<25	NA	223	136	NA
Benzene	5.5	1,100	52,000	8,500		<30	<28	NA	NA	<25	NA	62 ^A	109 ^A	NA
Ethylbenzene	2,900	1,560,000	102,000,000	4,600		<30	43	NA	NA	<25	NA	336	323	NA
n-Butylbenzene	—	—	—	—		NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	—	—	—	—		NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	400	30,000	4,000,000	—		NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	—	—	—	—		NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	—	—	—	—		NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	1,500	1,250,000	81,800,000	38,000		<30	93	NA	NA	<25	NA	205	526	NA
Xylene (total)	4,100	3,130,000	204,000,000	—		<60	125	NA	NA	<25	NA	850	989	NA
Metals (mg/kg)														
Cadmium	—	—	—	—		NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	—	—	—	—		NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	—	50	500	—		NA	NA	NA	NA	NA	NA	NA	NA	NA
PAH (µg/kg):														
1-methyl naphthalene	23,000	1,100,000	70,000,000	—		<2.4	<2.2	NA	NA	NA	NA	NA	NA	NA
2-methyl naphthalene	20,000	600,000	40,000,000	—		<2.8	<2.5	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	38,000	900,000	60,000,000	—		<4.4	<4.1	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	700	18,000	360,000	—		<3.2	<3.0	NA	NA	NA	NA	NA	NA	NA
Anthracene	3,000,000	5,000,000	300,000,000	—		22	233	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	17,000	880*	3,900	—		<2.4	348	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	48,000	88*	390	—		70.9	469 ^c	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	360,000	880*	3,900	—		71	383	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	6,800,000	18,000*	39,000	—		5.2	473	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	870,000	8,800*	39,000	—		24	134	NA	NA	NA	NA	NA	NA	NA
Chrysene	37,000	88,000*	390,000	—		<1.6	649	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	38,000	88*	390	—		<2.4	<2.2	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	500,000	600,000.0	40,000,000	—		<1.6	656	NA	NA	NA	NA	NA	NA	NA
Fluorene	100,000	600,000	40,000,000	—		145.4	<1.4	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	680,000	880*	3,900	—		52.4	<1.4	NA	NA	NA	NA	NA	NA	NA
Naphthalene	400	20,000	110,000	—		<2.0	<1.9	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	1,800	18,000	390,000	—		81	964	NA	NA	NA	NA	NA	NA	NA
Pyrene	8,700,000	500,000	30,000,000	—		215	934	NA	NA	NA	NA	NA	NA	NA
Miscellaneous (mg/kg)														
TOC	—	—	—	—		NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:

⁽¹⁾ Wisconsin Administrative Code Chapter NR 720, September 2007 - RCLs based on Table 1 (groundwater protection) or Table 2 (direct contact) values

⁽²⁾ NR 746 - Wisconsin Administrative Code Chapter NR 746, September 2007.

⁽³⁾ Interim PAH RCLs from "Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs) Interim Guidance," Wisconsin Department of Natural Resources, April 1997 (corrected).

* = WDNR PAH RCL adjusted to reflect exposure risk of 1x10⁻⁶ in accordance with NR 720.19(5)(a).

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Blank cell indicates regulatory criteria have not been established.

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J - The analyte has been detected between the limit of detection and limit of quantitation. The results are qualified due to the uncertainty of c

^A = Exceeds NR 720 Groundwater Pathway RCL

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Table 2
Summary of Soil Sample Analytical Results
Paririe Avenue Yard - Green Bay, Wisconsin
AECOM Project No. 60219905



	Generic RCLs ⁽¹⁾⁽²⁾			NR 746 Criteria ⁽²⁾	Boring Number Laboratory Sample Number	MW-03-01	MW-03-02	MW-03-03	MW-03-04	MW-03-05	MW-03-06	HA-03-01	SB-03-04		HA-03-02	HA-04-02	HA-100		
	Protection of Groundwater (A)	Direct Contact				Table 1 Indicator of Residual Petroleum Product in Soil Pores	Date Sampled	12/22/2003	12/22/2003	12/22/2003	12/22/2003	12/22/2003	12/23/2003	12/23/2003	12/23/2003	12/23/2003	12/23/2003	4/7/2004	4/14/1998
		Non- Industrial (B)	Industrial (C)				Depth (feet)	7.0-9.0	7.0-9.0	9.0-11.0	7.0-9.0	9.0-11.0	9.0-11.0	5.0-7.0	2.0-3.0	9.0-11.0	9.0-11.0	2.0-3.0	2.0-3.0
Petroleum Hydrocarbons (mg/kg)																			
Gasoline Range Organics	100	-	-	-		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Diesel Range Organics	100	-	-	-		NA	<11	17	7,100 ^A	3,500 ^A	4,100 ^A	440 ^A	NA	2700 ^A	NA	NA	NA	NA	
Detected Volatile Organic Compounds (µg/kg):																			
1,2,4-Trimethylbenzene	7,573	782,000	51,100,000	83,000		<58	<62	<64	2500	<60	150	110	310	1900	930	310	NA	NA	
1,3,5-Trimethylbenzene	3,520	782,000	51,100,000	11,000		<58	<62	<64	470	<60	70	<63	<84	610	280	68	NA	NA	
Benzene	5.5	1,100	52,000	8,500		<58	<62	<64	<56	<60	<62	<63	330 ^A	<57	<57	280 ^A	NA	NA	
Ethylbenzene	2,900	1,560,000	102,000,000	4,600		<58	<62	<64	99	<60	<62	<63	210	150	60	210	NA	NA	
n-Butylbenzene	-	-	-	-		NA	NA	NA	1200	<300	<310	<320	<280	NA	NA	<300	NA	NA	
n-Propylbenzene	-	-	-	-		NA	NA	NA	300	<300	<310	<320	<280	NA	NA	<300	NA	NA	
Naphthalene	400	30,000	4,000,000	-		NA	NA	NA	950 ^A	<300	<310	420 ^A	450 ^A	NA	NA	980 ^A	NA	NA	
p-Isopropyltoluene	-	-	-	-		NA	NA	NA	510	<300	<310	<320	<280	NA	NA	<300	NA	NA	
sec-Butylbenzene	-	-	-	-		NA	NA	NA	690	<300	<310	<320	<280	NA	NA	<300	NA	NA	
Toluene	1,500	1,250,000	81,800,000	38,000		<58	<62	<64	<56	<60	120	150	950	33	<57	950	NA	NA	
Xylene (total)	4,100	3,130,000	204,000,000	-		<170	<190	<190	230	<180	270	200	1300	820	330	1200	NA	NA	
Metals (mg/kg)																			
Cadmium	-	-	-	-		<0.271	<0.309	<0.312	<0.273	<0.293	<0.283	39.5	0.288	<0.273	NA	0.615	6.14	NA	
Chromium	-	-	-	-		8.33	13.1	6.97	10.3	47.9	44.1	166	16.6	13.3	NA	15.7	266	NA	
Lead	-	50	500	-		2.85	6	15.9	5.98	394 ^B	51.5 ^B	4,740 ^C	62.9 ^B	<1.64	NA	952 ^C	1,210 ^C	NA	
PAH (µg/kg):																			
1-methyl naphthalene	23,000	1,100,000	70,000,000	-		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2.4	
2-methyl naphthalene	20,000	600,000	40,000,000	-		360	16	140	6,100	1,200	610	760	4,100	3,500	NA	10,000	370	<2.8	
Acenaphthene	38,000	900,000	60,000,000	-		11	18	200	1,200	<120	<120	1,800	<230	270	NA	<240	230	<4.4	
Acenaphthylene	700	18,000	360,000	-		<11	<12	<13	<110	<120	<120	330	<230	<110	NA	590	1,200 ^A	<3.2	
Anthracene	3,000,000	5,000,000	300,000,000	-		17	18	190	<110	<120	260	4,000	320	<110	NA	820	2,000	<1.2	
Benzo(a)anthracene	17,000	880*	3,900	-		<11	15	270	180	<120	<120	4,100 ^C	2,800 ^B	<110	NA	2,700 ^B	2,500 ^B	<5.5	
Benzo(a)pyrene	48,000	88*	390	-		12	<12	170 ^B	<110	<120	<120	2,200 ^C	1,300 ^C	<110	NA	2,800 ^C	3,100 ^C	142 ^B	
Benzo(b)fluoranthene	360,000	880*	3,900	-		25	13	290	<110	170	<120	3,100 ^B	2,600 ^B	<110	NA	3,900 ^C	5,600 ^C	11.8	
Benzo(g,h,i)perylene	6,800,000	18,000*	39,000	-		12	<12	62	<110	<120	<120	780	940	<110	NA	2,900	3,100	9.4	
Benzo(k)fluoranthene	870,000	8,800*	39,000	-		<11	<12	91	<110	<120	<120	1,300	430	<110	NA	1,400	1,600	4.4	
Chrysene	37,000	88,000*	390,000	-		18	14	210	180	180	<120	3,900	2,300	<110	NA	3,400	3,500	<1.6	
Dibenzo(a,h)anthracene	38,000	88*	390	-		<11	<12	29	<110	<120	<120	<250	<230	<110	NA	680 ^C	<57	<2.4	
Fluoranthene	500,000	600,000.0	40,000,000	-		42	120	720	540	170	<120	20,000	510	<110	NA	3,600	4,300	233	
Fluorene	100,000	600,000	40,000,000	-		13	<12	200	2,000	<120	<120	1,800	<230	520	NA	<240	280	<1.6	
Indeno(1,2,3-cd)pyrene	680,000	880*	3,900	-		<11	<12	60	<110	<120	<120	650	330	<110	NA	1,800 ^B	2,500 ^B	9.1	
Naphthalene	400	20,000	110,000	-		180	15	520 ^A	<110	830 ^A	430 ^A	600 ^A	3,000 ^A	560 ^A	NA	7,200 ^A	440 ^A	<2.0	
Phenanthrene	1,800	18,000	390,000	-		180	46	980	4,100 ^A	490	<120	14,000 ^A	2,800 ^A	1,100	NA	5,200 ^A	2,400 ^A	486	
Pyrene	8,700,000	500,000	30,000,000	-		47	100	550	1,200	340	160	15,000	780	250	NA	4,600	4,800	<6.8	
Miscellaneous (mg/kg)																			
TOC	-	-	-	-		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

NOTES:

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Table 3
Summary of Compounds Detected in Groundwater
Prairie Avenue Yard - Green Bay, Wisconsin
AECOM Project No. 60219905

		Detected Volatile Organic Compounds (µg/L):																								
NR 140 Groundwater Quality Standard	PAL ES	Benzene	n-Butyl benzene	sec-Butyl benzene	tert-Butyl benzene	Chloro benzene	Chloro ethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropyl benzene	p-Isopropyl toluene	Methyl-tert-butyl-ether	Naphthalene	n-Propyl benzene	Tetrachloro-ethene	Toluene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Xylene (total)
		0.5	NL	NL	NL	20	80	60	125	15	85	7	100	140	NL	NL	12	10	NL	0.5	200	0.5	96	480	0.02	1,000
Well ID	Date Sampled	5	NL	NL	NL	100	400	600	1250	75	850	70	20	700	NL	NL	60	100	NL	5	1,000	5	96	480	0.2	10,000
MW-1/B-1	7/12/2006	<0.14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	<0.36	NA	NA	NA	<0.36	NA	<0.39	<0.40	NA	<1.10
MW-2/B-2	7/13/2006	<0.14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	<0.36	NA	NA	NA	<0.36	NA	<0.39	<0.40	NA	<1.10
	7/26/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2/B-2 DUP	7/26/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3/B-3	7/13/2006	<0.14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	<0.36	NA	NA	NA	<0.36	NA	<0.39	<0.40	NA	<1.10
MW-4/B-4	7/13/2006	<0.14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	<0.36	NA	NA	NA	<0.36	NA	<0.39	<0.40	NA	<1.10
MW-5/B-5	7/12/2006	<0.14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	<0.36	NA	NA	NA	<0.36	NA	<0.39	<0.40	NA	<1.10
	7/21/2009	<0.41	<0.93	<0.89	NA	<0.41	<0.97	<0.83	<0.87	<0.95	<0.75	<0.83	NA	<0.54	<0.59	<0.67	NA	<0.89	<0.81	<0.45	<0.67	<0.48	<0.97	<0.83	<0.18	<2.63
	7/27/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-5/B-5 DUP	7/12/2006	<0.14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	<0.36	NA	NA	NA	<0.36	NA	<0.39	<0.40	NA	<1.84
MW-6/B-6	7/22/2009	1.1	5.7	7.0	NA	60.0	3.9	6.4	1.8	9.8	16.8	1.1	NA	1.9	12.6	4.0	NA	13.0	21.5	<0.45	3.5	0.53 J	40.0	5.5	0.40 J	39.1
	7/28/2011	0.69 J	5.1	5.7	<0.97	50.7	4.4	4.6	1.5	7.8	11.7	<0.89	<0.89	3.9	10.3	1.6	<0.61	23.3	14.9	<0.45	3	<0.48	28.8	3.4	0.32 J	30.7
	9/30/2011	0.59 J	5.4	6.8	<0.97	60.1	2.8	5.3	2.0	10.4	9.4	0.90 J	<0.89	1.4	13.3	0.70 J	<0.61	8.4	17.1	<0.48	1.6	<0.48	17.3	1.5	0.35 J	21.1
	11/21/2011	0.74 J	7.6	9.4	<0.97	65.1	4.7	4.5	2.1	10.9	12	1.0	<0.89	2.0	15	1.1	<0.61	13	23.8	<0.45	2.2	<0.48	21.4	3.5	0.52 J	26.6
MW-6/B-6 DUP	7/22/2009	1.1	5.6	6.8	NA	56.4	4.1	6.1	2.1	9.6	16.8	1.1	NA	12.0	4.1	NA	12.9	20.6	<0.45	3.6	<0.48	41.1	5.8	0.49 J	40.3	
MW-7/B-7	7/22/2009	1.1	5.0	4.0 J	NA	5.5	2.1	2.1	<0.87	<0.95	1.9	2.9	NA	10.1	6.1	8.0	NA	32.6	9.8	<0.45	3.2	<0.48	91.6	6.9	0.93 J	47.4
	7/28/2011	1.2	4.6	4.3 J	<0.97	10.7	2.2	3.6	<0.87	1.7	1.5	3	<0.89	7.4	7.7	3.3	<0.61	12.3	11.1	<0.45	5.3	<0.48	80.9	4.5	0.75 J	51.6
	9/30/2011	<1.0	3.1	3.4 J	<2.4	7.5	2.5 J	2.9	<2.2	<2.4	<1.9	<2.1	<2.2	4.7	5.7	2.5	<1.5	8.4 J	7.6	<1.1	3.3	<2.2	49.4	2.2 J	<0.45	31.6
	11/21/2011	<0.82	4.7	5.0 J	<1.9	8.9	6.9	3.6	<1.7	<1.9	<1.5	<1.7	<1.8	4.6	7.1	3.3	<1.2	6.4 J	11.3	<0.90	3.1	<0.96	65.6	<1.7	0.51 J	36.3
MW-8/B-8	10/17/2007	1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.83	NA	NA	<0.36	NA	NA	NA	<0.36	NA	2.6	0.58	NA	4.2
	7/21/2009	<0.41	<0.93	<0.89	NA	2.1	<0.97	<0.83	<0.87	<0.95	1.2	<0.83	NA	<0.54	<0.59	<0.67	NA	<0.89	<0.81	0.55 J	<0.67	<0.48	<0.97	<0.83	<0.18	<2.63
	7/27/2011	<0.41	<0.93	<0.89	<0.97	2.1	<0.97	<0.83	<0.87	<0.95	1.3	<0.83	<0.89	<0.54	<0.59	<0.67	<0.61	<0.89	<0.81	<0.45	<0.67	<0.48	<0.97	<0.83	<0.18	<2.63
	9/20/2011	<0.41	<0.93	<0.89	<0.97	8.6	<0.97	<0.83	<0.87	<0.95	0.98 J	<0.83	<0.89	<0.54	<0.59	<0.67	<0.61	<0.89	<0.91	<0.45	<0.67	<0.48	<0.97	<0.83	<0.18	<2.63
	11/21/2011	<0.41	<0.93	<0.89	<0.97	7.6	<0.97	<0.83	<0.87	<0.95	1.0	<0.83	<0.89	<0.54	<0.59	<0.67	<0.61	<0.89	<0.81	<0.45	<0.67	<0.48	<0.97	<0.83	<0.18	<2.63
MW-8/B-8 Dup	11/12/2011	<0.41	<0.93	<0.89	<0.97	7.7	<0.97	<0.83	<0.87	<0.95	1.1	<0.83	<0.89	<0.54	<0.59	<0.67	<0.61	<0.89	<0.81	<0.45	<0.67	<0.48	<0.97	<0.83	<0.18	<2.63
MW-9/B-9	7/22/2009	1.8 J	<1.9	3.1 J	NA	168	17.1	2.6	<1.7	14.0	11.6	<1.7	NA	<1.1	6.1	<1.3	NA	<1.8	6.8	<0.9	<1.3	<0.96	<1.9	<1.7	<0.36	2.2
	7/28/2011	1.5	1.4	2.0 J	<0.97	143	19.7	2.7	<0.87	15.4	14.7	<0.36	<0.57	1.8	6.6	<0.67	<0.61	<0.89	3.3	<0.45	0.85 J	<0.48	2.5	<0.83	<0.18	6.4
	9/20/2011	1.6 J	<2.3	<2.2	<2.4	138	12.5	3.2	<2.2	14.8	20.5	<2.1	<2.2	<1.4	6.0	<1.7	<1.5	<2.2	6.6	<1.1	<1.7	<1.2	<2.4	<2.1	<4.5	<6.6
	11/21/2011	1.4 J	2.4	3.2 J	<1.9	122	15.1	3.2	<1.7	12.4	16	<1.7	<1.8	<1.1	6.4	<1.3	<1.2	<1.8	9.3	<0.90	<1.3	<0.96	<1.9	<1.7	<0.36	<5.3
MW-9/B-9 DUP	9/20/2011	1.6 J	<1.9	2.4 J	<1.9	137	13.7	3.2	<1.7	14.7	20.3	<1.7	<1.8	<1.1	6.2	<1.3	<1.2	<1.8	6.9	<0.90	<1.3	<0.96	<1.9	<1.7	<0.36	<5.3
MW-10/B-10	7/12/2006	<0.14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	<0.36	NA	NA	NA	<0.36	NA	<0.39	<0.40	NA	<1.84
MW-11/ET-B-11	10/17/2007	<0.14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	<0.36	NA	NA	NA	<0.36	NA	<0.39	<0.40	NA	0.62
MW-11/ET-B-11 DUP	10/17/2007	<0.14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	<0.36	NA	NA	NA	<0.36	NA	<0.39	<0.40	NA	<1.37
MW-12/ET-B-12	10/17/2007	<0.14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	<0.36	NA	NA	NA	<0.36	NA	<0.39	<0.40	NA	<1.37
MW-13	7/21/2009	0.46 J	1.3	1.7 J	NA	48.7	<0.97	3.6	1.5	9.4	<0.75	<0.83	NA	<0.54	3.6	<0.67	NA	0.93 J	6.3	<0.45	<0.67	<0.48	3.1	<0.83	<0.18	5.5
	7/28/2011	<0.41	<0.93	<0.89	<0.97	1.9	<0.97	<0.83	<0.87	<0.95	<0.75	<0.83	<0.89	<0.54	<0.59	<0.67	<0.61	<0.89	<0.81	<0.45	<0.67	<0.48	<0.97	<0.83	<0.18	<2.63
MW-14	7/21/2009	1.9	<0.93	<0.89	NA	0.60 J	<0.97	<0.83	<0.87	<0.95	<0.75	<0.83	NA	<0.54	0.60 J	<0.67	NA	1.3 J	<0.81	<0.45	<0.67	<0.48	1.5	<0.83	<0.18	<2.63
	7/28/2011	<0.41	<0.93	<0.89	<0.97	<0.41	<0.97	<0.83	<0.87	<0.95	<0.75	<0.83	<0.89	<0.54	<0.59	<0.67	<0.61	<0.89	<0.81	<0.45	<0.67	<0.48	<0.97	<0.83	<0.18	<2.63
MW-15	7/22/2009	0.77 J	<0.93	<0.89	NA	55.3	<0.97	4.1	<0.87	1.4	<0.75	<0.83	NA	<0.54	<0.59	<0.67	NA	<0.89	<0.81	<0.45	<0.67	<0.48	<0.97	<0.83	<0.18	<2.63
	7/27/2011	0.65 J	<0.93	<0.89	<0.97	46	<0.97	1.7	<0.87	1.2	<0.75	<0.83	<0.89	<0.54	<0.59	<0.67	<0.61	<0.89	<0.81	<0.45	<0.67	<0.48	<0.97	<0.83	<0.18	<2.63
MW-16	7/21/2009	0.75 J	<0.93	2.0 J	NA	49.3	<0.97	1.1	<0.87	5.3	0.98 J	<0.83	NA	<0.54	3.2	<0.67	NA	<0.89	0.83 J	<0.45	<0.67	<0.48	<0.97	<0.83	<0.18	<2.63
	7/27/2011	0.45 J	<0.93	<0.89	<0.97	41.3	<0.97	0.86 J	<0.87	4.1	0.78 J	<0.83	<0.89	&												

Table 3
Summary of Compounds Detected in Groundwater
Prairie Avenue Yard - Green Bay, Wisconsin
AECOM Project No. 60219905

		Polynuclear Aromatic Hydrocarbons (ug/L)																	
		Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-methylnaphthalene	2-methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
NR 140 Groundwater Quality Standard	PAL	NL	NL	600	NL	0.02	0.02	NL	NL	0.02	NL	80	80	NL	NL	NL	10	NL	50
	ES	NL	NL	3,000	NL	0.2	0.2	NL	NL	0.2	NL	400	400	NL	NL	NL	100	NL	250
Well ID	Date Sampled																		
MW-1/B-1	7/12/2006	1.5	0.29	0.11	<0.016	<0.018	<0.016	<0.019	<0.019	<0.019	NA	0.053	1.9	<0.019	4.8	0.080	0.30	0.048	0.051
MW-2/B-2	7/13/2006	0.067	0.038	0.10	0.10	0.043	0.057	0.036	0.044	0.12	NA	0.18	0.22	0.029	0.28	0.19	0.047	0.25	0.26
	7/26/2011	0.029 J	0.051 J	0.075	<0.0038	<0.0030	<0.0036	<0.0050	<0.0046	0.0046 J	<0.0034	0.013 J	0.015 J	<0.0049	0.016 J	0.037 J	0.023 J	0.018 J	0.011 J
MW-2/B-2 DUP	7/26/2011	0.034 J	0.0052 J	0.069	<0.0039	<0.0031	<0.0036	<0.0052	<0.0047	0.0037 J	<0.0034	0.011 J	0.014 J	<0.0050	0.0069 J	0.028 J	0.020 J	0.016 J	0.0078 J
MW-3/B-3	7/13/2006	0.63	0.17	0.075	<0.016	<0.018	<0.016	<0.019	<0.019	<0.019	NA	0.061	0.068	<0.019	0.024	0.027	0.037	0.11	0.048
MW-4/B-4	7/13/2006	0.93	0.20	<0.23	<0.31	<0.37	<0.31	<0.39	<0.39	<0.38	NA	<0.31	1.2	<0.38	4.9	<0.22	<0.25	<0.23	<0.29
MW-5/B-5	7/12/2006	12	0.25	1.0	0.031	<0.018	<0.016	<0.019	<0.019	0.028	NA	1.4	4.4	<0.019	1.8	0.17	0.036	<0.45	0.83
	7/21/2009	2.8	0.019 J	0.76	0.029 J	NA	0.0039 J	NA	NA	0.033 J	NA	1.0	1.3	NA	0.017 J	0.021 J	0.023 J	0.068	0.55
	7/27/2011	1.2	0.011 J	0.6	0.023 J	<0.0031	<0.0037	<0.0053	<0.0048	0.023 J	<0.0035	0.87	0.49	<0.0051	0.011 J	0.020 J	0.041 J	0.037 J	0.46
MW-5/B-5 DUP	7/12/2006	9.4	0.22	0.85	0.031	<0.018	<0.016	<0.019	<0.019	0.027	NA	1.3	3.3	<0.019	1.4	0.13	0.024	0.21	0.81
MW-6/B-6	7/22/2009	2.9	<0.072	0.49 J	<0.072	NA	<0.068	NA	NA	<0.07	NA	0.094 J	5.4	NA	73.9	82.1	9.5	4.5	0.20 J
	7/28/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/30/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/21/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-6/B-6 DUP	7/22/2009	2.8	<0.072	0.43 J	<0.072	NA	<0.068	NA	NA	<0.07	NA	0.089 J	5.0	NA	77.9	84.6	10.6	4.1	0.18 J
MW-7/B-7	7/22/2009	1.2 J	0.043 J	0.39	0.014 J	NA	0.0039 J	NA	NA	0.010 J	NA	0.079	2.1 J	NA	21.1	11.0	8.9	1.7 J	0.13
	7/28/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/30/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-8/B-8	10/17/2007	4.2	<0.81	<1.2	<1.6	<1.8	<1.6	<1.9	<1.9	<1.9	NA	<1.5	3.7	<1.9	40	17	<1.2	1.4	<1.5
	7/21/2009	0.042 J	<0.0036	0.018 J	<0.0036	NA	<0.0034	NA	NA	<0.0035	NA	<0.0044	<0.0048	NA	0.0069 J	0.019 J	0.014 J	0.010 J	<0.0047
	7/27/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/20/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-8/B-8 Dup	11/12/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-9/B-9	7/22/2009	1.4	<0.0036	0.25	0.0063 J	NA	<0.0034	NA	NA	0.0089 J	NA	0.050	1.3	NA	6.3	0.48	0.33	0.25	0.071
	7/28/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/20/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/21/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-9/B-9 DUP	9/20/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-10/B-10	7/12/2006	0.32	0.036	0.028	<0.016	<0.018	<0.016	<0.019	<0.019	<0.019	NA	<0.015	0.037	<0.019	0.11	0.023	0.055	<0.011	<0.015
MW-11/ET-B-11	10/17/2007	2.8	<1.7	<2.4	<3.2	<3.8	<3.2	<4.0	<4.0	<3.9	NA	<3.2	3.5	<3.9	69	<2.3	<2.6	2.9	<3.0
MW-11/ET-B-11 DUP	10/17/2007	<3.3	<3.2	<4.6	<6.2	<7.3	<6.3	<7.7	<7.7	<7.6	NA	<6.2	4.2	<7.5	81	<4.5	<5.0	<4.5	<5.8
MW-12/ET-B-12	10/17/2007	<0.0082	<0.0081	0.023	<0.016	<0.018	<0.016	<0.019	<0.019	<0.019	NA	<0.015	<0.0091	<0.019	0.069	<0.011	<0.012	<0.011	<0.015
MW-13	7/21/2009	0.89	0.034 J	0.19	<0.0036	NA	<0.0034	NA	NA	<0.0035	NA	0.032 J	1.4 J	NA	18.0	4.8	0.52	0.37	0.11
	7/28/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-14	7/21/2009	0.17	0.022 J	0.12	<0.0036	NA	<0.0034	NA	NA	<0.0035	NA	0.0063 J	0.16	NA	1.3	1.2	0.65	0.020 J	0.0083 J
	7/28/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-15	7/22/2009	0.22	0.012 J	0.13	0.0081 J	NA	<0.0034	NA	NA	0.0099 J	NA	0.037 J	0.24	NA	0.21	0.16	0.33	0.11	0.038 J
	7/27/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-16	7/21/2009	3.1	<0.072	0.41 J	<0.072	NA	<0.068	NA	NA	<0.07	NA	0.11 J	2.2	NA	0.91 J	<0.077	<0.097	<0.16	<0.095
	7/27/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-16 DUP	7/27/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-03-01	2/20/2004	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	NA	<0.0041	<0.0041	<0.0041	<0.0041
MW-03-02	2/20/2004	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	NA	<0.0041	<0.0041	<0.0041	<0.0041
	7/21/2009	0.0070 J	0.0076 J	0.025 J	<0.0036	NA	<0.0034	NA	NA	<0.0035	NA	<0.0044	0.0069 J	NA	0.0076 J	0.010 J	0.015 J	<0.0081	<0.0047
MW-03-03	7/27/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/18/2004	0.075	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	NA	<0.041	0.28	0.055	<0.0041
MW-03-04	7/21/2009	1.7	0.31 J	0.28 J	<0.072	NA	<0.068	NA	NA	<0.07	NA	<0.088	2.6	NA	25.3	3.6	0.46 J	0.70 J	0.098 J
	7/28/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-03-05	2/20/2004	0.25	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	0.13	<0.0041	NA	<0.0041	0.094	<0.0041	0.042	
MW-03-06	2/18/2004	0.084	<0.0041	0.075	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	0.08	0.055	<0.0041	NA	<0.0041	<0.0041	0.12	0.049

NOTES:
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Bold is above PAL
Bold is above ES
NL - Not Listed.
NA - Not Analyzed
µg/L - micrograms per liter.
J - The analyte has been detected between the limit of detection and limit of quantitation.
The results are qualified due to the uncertainty of concentrations in this range.

Table 3
Summary of Compounds Detected in Groundwater
Prairie Avenue Yard - Green Bay, Wisconsin
AECOM Project No. 60219905

		Metals (ug/L)					Wet Chemistry Parameters (mg/L)
		Cadmium	Chromium	Lead-Dissolved	Iron-Dissolved	Manganese - Dissolved	Sulfate
NR 140 Groundwater Quality Standard	PAL ES	0.5 5	10 100	1.5 15	150 300	25 50	125 250
Well ID	Date Sampled						
MW-1/B-1	7/12/2006	NA	NA	NA	9,800	310	12
MW-2/B-2	7/13/2006	NA	NA	NA	17,000	420	18
MW-2/B-2	7/26/2011	NA	NA	NA	NA	NA	NA
MW-2/B-2 DUP	7/26/2011	NA	NA	NA	NA	NA	NA
MW-3/B-3	7/13/2006	NA	NA	NA	27,000	1,700	670
MW-4/B-4	7/13/2006	NA	NA	NA	18,000	280	4.0
MW-5/B-5	7/12/2006	NA	NA	NA	3,800	280	25
MW-5/B-5	7/21/2009	NA	NA	1.4 J	NA	NA	NA
MW-5/B-5	7/27/2011	NA	NA	NA	NA	NA	NA
MW-5/B-5 DUP	7/12/2006	NA	NA	NA	3,800	290	26
MW-6/B-6	7/22/2009	NA	NA	2.3 J	NA	NA	NA
MW-6/B-6	7/28/2011	NA	NA	2.9 J	NA	NA	2.7 J
MW-6/B-6	9/30/2011	NA	NA	NA	NA	NA	<2.0
MW-6/B-6	11/21/2011	NA	NA	NA	NA	NA	NA
MW-6/B-6 DUP	7/22/2009	NA	NA	2.4 J	NA	NA	NA
MW-6/B-6	7/22/2009	NA	NA	1.6 J	NA	NA	NA
MW-7/B-7	7/28/2011	NA	NA	<2.4	NA	NA	8.5
MW-7/B-7	9/30/2011	NA	NA	NA	NA	NA	8.6
MW-7/B-7	11/21/2011	NA	NA	NA	NA	NA	NA
MW-8/B-8	10/17/2007	NA	NA	NA	NA	NA	NA
MW-8/B-8	7/21/2009	NA	NA	0.83 J	NA	NA	NA
MW-8/B-8	7/27/2011	NA	NA	NA	NA	NA	73.6
MW-8/B-8	9/20/2011	NA	NA	NA	NA	NA	NA
MW-8/B-8	11/21/2011	NA	NA	NA	NA	NA	NA
MW-8/B-8 Dup	11/12/2011	NA	NA	NA	NA	NA	NA
MW-9/B-9	7/22/2009	NA	NA	1.4 J	NA	NA	NA
MW-9/B-9	7/28/2011	NA	NA	NA	NA	NA	NA
MW-9/B-9	9/20/2011	NA	NA	NA	NA	NA	NA
MW-9/B-9	11/21/2011	NA	NA	NA	NA	NA	NA
MW-9/B-9 DUP	9/20/2011	NA	NA	NA	NA	NA	NA
MW-10/B-10	7/12/2006	NA	NA	NA	13,000	390	67
MW-11/ET-B-11	10/17/2007	NA	NA	NA	NA	NA	NA
MW-11/ET-B-11 DUP	10/17/2007	NA	NA	NA	NA	NA	NA
MW-12/ET-B-12	10/17/2007	NA	NA	NA	NA	NA	NA
MW-13	7/21/2009	NA	NA	2.4 J	NA	NA	NA
MW-13	7/28/2011	NA	NA	<2.4	NA	NA	NA
MW-14	7/21/2009	NA	NA	<0.75	NA	NA	NA
MW-14	7/28/2011	NA	NA	NA	NA	NA	NA
MW-15	7/22/2009	NA	NA	1.5 J	NA	NA	NA
MW-15	7/27/2011	NA	NA	<2.4	NA	NA	NA
MW-16	7/21/2009	NA	NA	1.1 J	NA	NA	NA
MW-16	7/27/2011	NA	NA	NA	NA	NA	NA
MW-16 DUP	7/27/2011	NA	NA	NA	NA	NA	NA
MW-03-01	2/20/2004	<1.0	<10.0	<3.0	NA	NA	NA
MW-03-02	2/20/2004	<1.00	<10.0	<3.0	NA	NA	NA
MW-03-02	7/21/2009	NA	NA	1.7 J	NA	NA	NA
MW-03-02	7/27/2011	NA	NA	2.8 J	NA	NA	NA
MW-03-03	2/18/2004	<1.0	<10.0	<3.0	NA	NA	NA
MW-03-04	7/21/2009	NA	NA	1.3 J	NA	NA	NA
MW-03-04	7/28/2011	NA	NA	NA	NA	NA	NA
MW-03-05	2/20/2004	NA	NA	NA	NA	NA	NA
MW-03-06	2/18/2004	<1.0	<10.0	<3.0	NA	NA	NA

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TABLE 1
SUMMARY OF FIELD DATA - GROUNDWATER
PRAIRIE AVE YARD
GREEN BAY, WISCONSIN
AECOM PROJECT NO. 60219905

Well I.D.	Date	Ground Surface Elevation (Feet)	TPVC Elevation (Feet)	Screen Interval (Feet)	Screen Interval Elevation (Feet)	Depth to Water below TPVC (Feet)	Groundwater Elevation (Feet)	Corrected Water Elevation	Depth to Product	Free Product Observation (Feet)	Time	After Sampling Dissolved Oxygen (mg/L)	ORP	Temp	pH (Units)	Conductivity (umhos/cm)	Color	Petroleum Odor	Purged	Total Iron ug/L	Nitrogen, Nitrate mg/L	Sulfate mg/L	Methane ug/L	Ethane ug/L	Ethene ug/L					
MW-1/B-1	7/12/2006	590.22	592.89	5.0-15.0	585-22 - 575.22	8.55	584.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
	8/24/2006					8.68	584.21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	9/19/2006					8.76	584.13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	12/15/2006					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/1/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/2/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/20/2009					8.95	583.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	8/4/2010					7.39	585.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/26/2011					8.25	584.64	--	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/20/2011					8.77	584.12	--	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/21/2011	8.13	584.76	--	--	ND	ND	--	--	--	--	--	--	--	--	--	--	Slight odor	--	--	--	--	--	--	--						
MW-2/B-2	7/12/2006	589.54	591.94	5.0-15.0	584-54 - 574.54	7.53	584.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
	8/24/2006					7.60	584.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	9/19/2006					7.71	584.23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	12/15/2006					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/1/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/2/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/20/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	8/4/2010					6.38	585.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/26/2011					7.20	584.74	--	--	ND	ND	--	3:10	1.42	-97	13.84	6.74	1097	Clear	Hydro carbon/sulfer	5.1	--	--	--	--	--	--	--		
	9/20/2011					7.77	584.17	--	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
11/21/2011	7.10	584.84	--	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--						
MW-3/B-3	7/12/2006	590.16	592.78	5.0-15.0	585-16 - 575-16	7.38	585.40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
	8/24/2006					8.49	584.29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	9/19/2006					8.52	584.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	12/15/2006					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/1/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/2/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/20/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	8/4/2010					7.30	585.48	--	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/26/2011					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2011					8.63	584.15	--	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
11/21/2011	7.99	584.79	--	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--						
MW-4/B-4	7/12/2006	590.47	593.01	5.0-15.0	585.47 - 575.47	9.01	584.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
	8/24/2006					9.05	583.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	9/19/2006					9.09	583.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	12/15/2006					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/1/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/2/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/20/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	8/4/2010					7.70	585.31	--	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/26/2011					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2011					9.13	583.88	--	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
11/21/2011	8.40	584.61	--	--	ND	ND	--	--	--	--	--	--	--	--	--	--	Slight	--	--	--	--	--	--	--						
MW-5/B-5	7/12/2006	591.75	591.27	5.0-15.0	586.75 - 576.75	7.83	583.44	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
	8/24/2006					7.80	583.47	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	9/19/2006					7.79	583.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	12/15/2006					7.98	583.29	--	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/1/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/2/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/20/2009					7.88	583.39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	8/4/2010					7.70	583.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/26/2011					7.38	583.89	--	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/27/2011					--	--	--	--	--	--	--	--	--	1:06	1.56	-132	14.85	7.04	1020	Clear	Slight Hydro carbon	5.0	--	--	--	--	--	--	
9/20/2011	7.63	583.64	--	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--						
11/21/2011	7.26	584.01	--	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--						

Notes:
TPVC - Top of PVC
-- Not Measured
ND - No Defect

TABLE 1
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PRAIRIE AVE YARD
GREEN BAY, WISCONSIN
AECOM PROJECT NO. 60219905

Well I.D.	Date	Ground Surface Elevation (Feet)	TPVC Elevation (Feet)	Screen Interval (Feet)	Screen Interval Elevation (Feet)	Depth to Water below TPVC (Feet)	Groundwater Elevation (Feet)	Corrected Water Elevation	Depth to Product	Free Product Observation (Feet)	Time	After Sampling Dissolved Oxygen (mg/L)	ORP	Temp	pH (Units)	Conductivity (umhos/cm)	Color	Petroleum Odor	Purged	Total Iron ug/L	Nitrogen, Nitrate mg/L	Sulfate mg/L	Methane ug/L	Ethane ug/L	Ethene ug/L					
MW-11/ET-B-11*	7/12/2006	589.05	588.65	5.0-15.0	583.05 - 573.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
	8/24/2006					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	9/19/2006					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	12/15/2006					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/1/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/2/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/20/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	8/4/2010					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/26/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
MW-12/ET-B-12	7/12/2006	591.85	591.46	5.0-15.0	586.85 - 576.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
	8/24/2006					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	9/19/2006					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	12/15/2006					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/1/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/2/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/20/2009					8.09	583.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	8/4/2010					7.07	584.39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
7/26/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
MW-13	7/12/2006	591.65	591.28	5.0-15.0	586.65 - 576.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
	8/24/2006					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	9/19/2006					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	12/15/2006					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/1/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/2/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/20/2009					7.15	584.13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	8/4/2010					5.61	585.67	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/26/2011					6.40	584.88	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/28/2011					--	--	--	--	--	--	--	--	--	11:53	1.98	18	18.00	6.81	700.50	Clear	Slight Hydro carbon	7.0	--	--	--	--	--	--	
	9/20/2011					6.93	584.35	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
11/21/2011	6.44	584.84	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--						
MW-14	7/12/2006	591.36	590.75	5.0-15.0	586.35 - 576.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
	8/24/2006					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	9/19/2006					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	12/15/2006					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/1/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/2/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/20/2009					6.40	584.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	8/4/2010					4.65	586.10	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/26/2011					5.66	585.09	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/28/2011					--	--	--	--	--	--	--	--	--	8:59	3.33	55	17.99	7.30	531.20	Clear	Not Detected	5.1	--	--	--	--	--	--	
	9/20/2011					6.28	584.47	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
11/21/2011	5.62	585.13	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--						
MW-15	7/12/2006	591.50	591.07	5.0-15.0	586.50 - 576.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
	8/24/2006					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	9/19/2006					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	12/15/2006					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/1/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/2/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/20/2009					7.02	584.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	8/4/2010					5.71	585.36	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/26/2011					6.36	584.71	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/27/2011					--	--	--	--	--	--	--	--	--	5:57	1.34	-18	18.25	7.47	1368	Slight Yellow	Not Detected	5.0	--	--	--	--	--	--	
	9/20/2011					6.79	584.28	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
11/21/2011	6.41	584.66	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--						
MW-16	7/12/2006	591.43	591.01	5.0-15.0	586.43 - 576.43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
	8/24/2006					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	9/19/2006					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	12/15/2006					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/1/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/2/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/20/2009					6.98	584.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	8/4/2010					5.64	585.37	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	7/26/2011					6.30	584.71	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/27/2011					--	--	--	--	--	--	--	--	--	4:37	2.71	-148	17.42	6.69	847.2	Pale Yellow	Strong Hydro carbon	5.1	--	--	--	--	--	--	
	9/20/2011					6.77	584.24	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
11/21/2011	6.35	584.66	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--						

Notes:
TPVC - Top of PVC
-- Not Measured
ND - No Detect

TABLE 1
SUMMARY OF FIELD DATA - GROUNDWATER
PRAIRIE AVE YARD
GREEN BAY, WISCONSIN
AECOM PROJECT NO. 60219905

Well I.D.	Date	Ground Surface Elevation (Feet)	TPVC Elevation (Feet)	Screen Interval (Feet)	Screen Interval Elevation (Feet)	Depth to Water below TPVC (Feet)	Groundwater Elevation (Feet)	Corrected Water Elevation	Depth to Product	Free Product Observation (Feet)	Time	After Sampling Dissolved Oxygen (mg/L)	ORP	Temp	pH (Units)	Conductivity (umhos/cm)	Color	Petroleum Odor	Purged	Total Iron ug/L	Nitrogen, Nitrate mg/L	Sulfate mg/L	Methane ug/L	Ethane ug/L	Ethene ug/L				
MW-03-01	7/12/2006	591.00	590.66	3.0-13.0	588.00 - 578.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
	8/24/2006					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	9/19/2006					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/15/2006					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/1/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/2/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/20/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/4/2010					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/26/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
MW-03-02	7/12/2006	590.60	590.21	3.0-13.0	587.60 - 577.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
	8/24/2006					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	9/19/2006					6.59	583.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/15/2006					6.83	583.38	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/1/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/2/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/20/2009					6.44	583.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/4/2010					5.15	585.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/26/2011					5.85	584.36	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/27/2011					--	--	--	--	--	--	--	--	--	2:14	1.17	-123	16.81	7.21	1195	Clear	Not Detected	4.0	--	--	--	--	--	--
	9/20/2011					6.31	583.90	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/21/2011	5.88	584.33	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
MW-03-03	7/12/2006	591.20	590.96	3.5-13.5	587.70 - 577.70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
	8/24/2006					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	9/19/2006					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/15/2006					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/1/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/2/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/20/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/4/2010					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/26/2011					7.57	583.39	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/20/2011					7.67	583.29	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/21/2011					7.38	583.58	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-03-04	7/12/2006	591.50	591.11	3.5-13.5	588.00 - 578.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
	8/24/2006					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	9/19/2006					6.85	584.26	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/15/2006					7.34	583.77	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/1/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/2/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/20/2009					6.96	584.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/4/2010					5.56	585.55	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/26/2011					6.24	584.67	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/28/2011					--	--	--	--	--	--	--	--	--	10:22	2.24	-130	18.59	6.69	796.3	Slight Yellow	Hydro carbon	--	--	--	--	--	--	--
	9/20/2011					6.71	584.40	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/21/2011	6.30	584.81	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
MW-03-05	7/12/2006	590.90	593.26	3.0-13.0	587.90 - 577.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
	8/24/2006					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	9/19/2006					9.27	583.99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/15/2006					9.60	583.66	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/1/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/2/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/20/2009					9.42	583.84	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/4/2010					8.12	585.14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/26/2011					8.81	584.45	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/20/2011					9.21	584.05	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/21/2011					8.71	584.55	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-03-06	7/12/2006	590.60	592.90	3.5-13.5	587.10 - 586.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
	8/24/2006					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	9/19/2006					8.46	584.44	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/15/2006					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/1/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/2/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/20/2009					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/4/2010					7.21	585.69	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/26/2011					8.05	584.85	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/21/2011					7.91	584.99	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
TPVC - Top of PVC
-- Not Measured
ND - No Detect

IMPROPERLY ABANDONED MONITORING WELL

SOURCE PROPERTY

State of Wisconsin
Department of Natural Resources

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name CN Prairie Yard - AECOM #60135642	Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. _____ ft. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W.	Well Name MW-11/ET-B-11
Facility License, Permit or Monitoring No. 405108880	Local Grid Origin <input checked="" type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. _____ " Long. _____ " or St. Plane _____ ft. N, _____ ft. E. S/C/N	Wis. Unique Well No. _____ DNR Well Number _____
Type of Well Well Code 11/mw	Section Location of Waste/Source SW 1/4 of SE 1/4 of Sec. 24, T. 24 N, R. 20 <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Date Well Installed 10/02/2007
Distance from Waste/Source 155 ft.	Location of Well Relative to Waste/Source u <input checked="" type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Well Installed By: (Person's Name and Firm) Tony On-Site Environmental

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ 588.80 ft. MSL
C. Land surface elevation _____ 589.05 ft. MSL
D. Surface seal, bottom _____ 588.1 ft. MSL or _____ 1.0 ft.

12. USCS classification of soil near screen:
GP GM GC GW SW SP
SM SC ML MH CL CH
Bedrock

13. Sieve analysis attached? Yes No

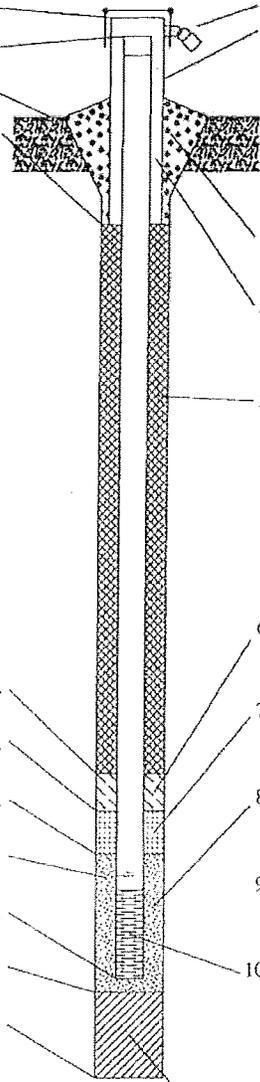
14. Drilling method used: Rotary 50
Hollow Stem Auger 41
Other

15. Drilling fluid used: Water 02 Air 01
Drilling Mud 03 None 99

16. Drilling additives used? Yes No

Describe _____

17. Source of water (attach analysis, if required):
NA



- 1. Cap and lock? Yes No
- 2. Protective cover pipe:
 - a. Inside diameter: _____ 12.0 in.
 - b. Length: _____ 1.0 ft.
 - c. Material: Steel 04
Other
 - d. Additional protection? Yes No
If yes, describe: _____
- 3. Surface seal:
 - Bentonite 30
 - Concrete 01
 - Other
- 4. Material between well casing and protective pipe:
 - Bentonite 30
 - Fine Sand _____ Other
- 5. Annular space seal:
 - a. Granular/Chipped Bentonite 33
 - b. _____ Lbs/gal mud weight ... Bentonite-sand slurry 35
 - c. _____ Lbs/gal mud weight ... Bentonite slurry 31
 - d. _____ % Bentonite ... Bentonite-cement grout 50
 - e. _____ Ft³ volume added for any of the above
 - f. How installed: Tremie 01
Tremie pumped 02
Gravity 08
- 6. Bentonite seal:
 - a. Bentonite granules 33
 - b. 1/4 in. 3/8 in. 1/2 in. Bentonite chips 32
 - c. Black Hills Bentonite, LLC _____ Other
- 7. Fine sand material: Manufacturer, product name & mesh size
 - a. RW Sidley _____
 - b. Volume added _____ 6.5 ft³
- 8. Filter pack material: Manufacturer, product name & mesh size
 - a. RW Sidley _____
 - b. Volume added _____ 0.5 ft³
- 9. Well casing:
 - Flush threaded PVC schedule 40 23
 - Flush threaded PVC schedule 80 24
 - Other
- 10. Screen material: Sch 40 PVC
 - a. Screen Type: Factory cut 11
Continuous slot 01
Other
 - b. Manufacturer _____
 - c. Slot size: _____ 0.010 in.
 - d. Slotted length: _____ 10.0 ft.
- 11. Backfill material (below filter pack):
 - None 14
 - Other

E. Bentonite seal, top _____ 588.05 ft. MSL or _____ 1.0 ft.

F. Fine sand, top _____ 585.55 ft. MSL or _____ 3.5 ft.

G. Filter pack, top _____ 584.55 ft. MSL or _____ 4.5 ft.

H. Screen joint, top _____ 584.05 ft. MSL or _____ 5.0 ft.

I. Well bottom _____ 574.05 ft. MSL or _____ 15.0 ft.

J. Filter pack, bottom _____ 574.1 ft. MSL or _____ 15.0 ft.

K. Borehole, bottom _____ 574.1 ft. MSL or _____ 15.0 ft.

L. Borehole, diameter _____ 8.50 in.

M. O.D. well casing _____ 2.50 in.

N. I.D. well casing _____ 2.00 in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm AECOM Tel: _____ Fax: _____

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.