

GIS REGISTRY

Cover Sheet

August 2011
(RR-5367)

Source Property Information

BRRTS #: 02-41-556941

ACTIVITY NAME: 6502 WEST NORTH AVENUE

PROPERTY ADDRESS: 6502 W North Ave

MUNICIPALITY: Wauwatosa

PARCEL ID #: 3300229002

CLOSURE DATE: Feb 13, 2012

FID #: 341202290

DATCP #:

PECFA#: 53213201702A

*WTM COORDINATES:

X: 683362 Y: 289542

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

WTM COORDINATES REPRESENT:

☒ Approximate Center Of Contaminant Source

☐ Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

Contaminated Media:

☐ Groundwater Contamination > ES (236)

☐ Contamination in ROW

☐ Off-Source Contamination

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

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

☐ Contamination in ROW

☐ Off-Source Contamination

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

Land Use Controls:

☐ N/A (Not Applicable)

☐ Soil: maintain industrial zoning (220)

*(note: soil contamination concentrations
between non-industrial and industrial levels)*

☐ Structural Impediment (224)

☐ Site Specific Condition (228)

☐ Cover or Barrier (222)

*(note: maintenance plan for
groundwater or direct contact)*

☒ Vapor Mitigation (226)

☐ Maintain Liability Exemption (230)

*(note: local government unit or economic
development corporation was directed to
take a response action)*

Monitoring Wells:

Are all monitoring wells properly abandoned per NR 141? (234)

☒ Yes ☐ No ☐ N/A

** Residual Contaminant Level*

***Site Specific Residual Contaminant Level*

This Adobe Fillable form is intended to provide a list of information that is required for evaluation for case closure. It is to be used in conjunction with Form 4400-202, Case Closure Request. The closure of a case means that the Department has determined that no further response is required at that time based on the information that has been submitted to the Department.

NOTICE: Completion of this form is mandatory for applications for case closure pursuant to ch. 292, Wis. Stats. and ch. NR 726, Wis. Adm. Code, including cases closed under ch. NR 746 and ch. NR 726. The Department will not consider, or act upon your application, unless all applicable sections are completed on this form and the closure fee and any other applicable fees, required under ch. NR 749, Wis. Adm. Code, Table 1 are included. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than reviewing closure requests and determining the need for additional response action. The Department may provide this information to requesters as required by Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.].

BRRTS #: 02-41-556941 (No Dashes) PARCEL ID #: 330-0229-00

ACTIVITY NAME: 6502 West North Avenue

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 #: Title: Site Survey 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 and Local Topography

- ☒ **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 Basemap and Geologic Cross-Section Transects

- ☒ **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: Sample Locations and Utilities and Extent of VOC and PAH Soil Impacts

BRRTS #: 02-41-556941

ACTIVITY NAME: 6502 West North Avenue

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 #: 4a Title: Geologic Cross Section A-A'

Figure #: 4b and 4c Title: Geologic Cross Section B-B' and C-C'

- ☐ **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 #: Title:

- ☒ **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 #: 6 Title: Groundwater Elevation December 2, 2010 and December 20, 2010

Figure #: Title:

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

Tables must be no larger than 11 x 17 inches unless the table is submitted electronically. Tables must not contain shading and/or cross-hatching. The use of **BOLD** or *ITALICS* is acceptable.

- ☒ **Soil Analytical Table:** A table showing remaining soil contamination with analytical results and collection dates.
Note: This is one table of results for the contaminants of concern. Contaminants of concern are those that were found during the site investigation, that remain after remediation. It may be necessary to create a new table to meet this requirement.

Table #: 1 Title: Soil Chemistry Data

- ☒ **Groundwater Analytical Table:** Table(s) that show the most recent analytical results and collection dates, for all monitoring wells and any potable wells for which samples have been collected.

Table #: 2 Title: Groundwater Quality Data

- ☒ **Water Level Elevations:** Table(s) that show the previous four (at minimum) water level elevation measurements/dates from all monitoring wells. If present, free product is to be noted on the table.

Table #: 3 Title: Survey and Groundwater Elevation data

IMPROPERLY ABANDONED MONITORING WELLS

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

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

- ☒ **Not Applicable**

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

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

Figure #: Title:

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

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

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

BRRTS #: 02-41-556941

ACTIVITY NAME: 6502 West North Avenue

NOTIFICATIONS

Source Property

☒ **Not Applicable**

☐ **Letter To Current Source Property Owner:** If the source property is owned by someone other than the person who is applying for case closure, include a copy of the letter notifying the current owner of the source property that case closure has been requested.

☐ **Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying current source property owner.

Off-Source Property

Group the following information per individual property and label each group according to alphabetic listing on the "Impacted Off-Source Property" attachment.

☒ **Not Applicable**

☐ **Letter To "Off-Source" Property Owners:** Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.

Note: Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.

Number of "Off-Source" Letters:

☐ **Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying any off-source property owner.

☐ **Deed of "Off-Source" Property:** The most recent deed(s) as well as legal descriptions, for all affected deeded **off-source** property(ies). This does not apply to right-of-ways.

Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.

☐ **Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map. (lots on subdivided or platted property (e.g. lot 2 of xyz subdivision)).

Figure #:

Title:

☐ **Letter To "Governmental Unit/Right-Of-Way" Owners:** Copies of all letters sent by the Responsible Party (RP) to a city, village, municipality, state agency or any other entity responsible for maintenance of a public street, highway, or railroad right-of-way, within or partially within the contaminated area, for contamination exceeding a groundwater Enforcement Standard (ES) and/or soil exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).

Number of "Governmental Unit/Right-Of-Way Owner" Letters:



STATE OF WISCONSIN
Department of Safety and Professional Services

Governor Scott Walker

Secretary Dave Ross

Mail to:
141 NW Barstow Street, 4th Floor
Waukesha, Wisconsin 53188-3789
TTY: (608) 267-2416
Fax: (262) 521-5187
Email: dsps@wisconsin.gov
Web: <http://dsps.wi.gov>

February 13, 2012

Mr. Merrick Fruchtman
East Tosa, LLC
5237 North Santa Monica Boulevard
Whitefish Bay, WI 53217

RE: **Final Closure**

PECFA # 53213-2017-02-A **DNR BRRTS # 02-41-556941**
6502 West North Avenue Property, 6502 West North Avenue, Milwaukee

Dear Mr. Fruchtman:

The Wisconsin Department of Safety and Professional Services (DPS) has received all items required as conditions for closure of the site referenced above. This site is now listed as "closed" on the DPS database and will be included on the Department of Natural Resources (DNR) Geographic Information System (GIS) Registry of Closed Remediation Sites to address residual soil contamination. To review all sites on the GIS Registry web page, visit <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. If you intend to construct or reconstruct a potable well on this property, you must get prior DNR approval.

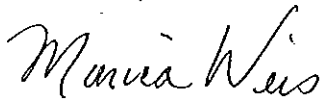
All current and future owners and occupants of the property need to be aware that excavation of contaminated soil may pose a hazard. Special precautions may be needed to prevent inhalation, ingestion or dermal contact with the residual contamination when it is removed. If soil is excavated, the property owner at the time of excavation must have the soil sampled and analyzed to determine if residual contamination remains. If sampling confirms that contamination is present, the property owner at the time of excavation must determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules.

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

Costs for sampling and excavation activities conducted after case closure are not eligible for PECFA reimbursement. However, if it is determined that any undisturbed remaining petroleum contamination poses a threat, the case may be reopened and further investigation or remediation may be required. If this case is reopened, any original claim under the PECFA fund would also reopen and you may apply for assistance to the extent of remaining eligibility. It is in your best interest to keep all documentation related to environmental activities at your site.

Thank you for your efforts to bring this case to closure. If you have any questions, please contact me in writing at the letterhead address or by telephone at (262) 521-2732.

Sincerely,

A handwritten signature in cursive script, reading "Monica L. Weis". The signature is written in dark ink and is positioned above the printed name.

Monica L. Weis
Hydrogeologist
Site Review Section

cc: Mr. Harris Byers, Symbiont



STATE OF WISCONSIN

Department of Safety and Professional Services

Governor Scott Walker

Secretary Dave Ross

Mail to:
141 NW Barstow Street, 4th Floor
Waukesha, Wisconsin 53188-3789
TTY: (608) 267-2416
Fax: (262) 521-5187
Email: dsps@wisconsin.gov
Web: <http://dsps.wi.gov>

January 11, 2012

Mr. Merrick Fruchtmann
East Tosa, LLC
5237 North Santa Monica Boulevard
Whitefish Bay, WI 53217

RE: **Conditional Case Closure**

PECFA # 53213-2017-02-A DNR BRRTS # 02-41-556941
6502 West North Avenue, 6502 West North Avenue, Milwaukee

Dear Mr. Fruchtmann:

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

The following condition must be satisfied to obtain final closure:

- All groundwater monitoring wells (MW-16 through MW-20, MW-22 and MW-23) must be properly abandoned within 60 days and the appropriate documentation forwarded to DPS at the letterhead address within 120 days of the date of this letter. Noncompliance with the abandonment requirement and deadline can result in enforcement action and financial penalties.

The asphalt or concrete cover and the site building, shown on the attached figure, should be maintained in the area of residual soil impacts. Additionally, all current and future owners and occupants of the property need to be aware that excavation of contaminated soil may pose a hazard. Special precautions may be needed to prevent inhalation, ingestion or dermal contact with the residual contamination when it is removed. If soil is excavated, the property owner at the time of excavation must have the soil sampled and analyzed to determine if residual contamination remains. If sampling confirms that contamination is present, the property owner at the time of excavation must determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules. Costs for sampling and excavation activities conducted after the date of this letter are not eligible for PECFA reimbursement.

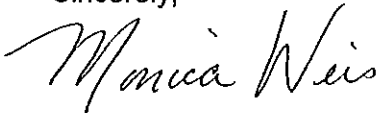
Information submitted with your closure request will be included on the Department of Natural Resources (DNR) GIS Registry of Closed Remediation Sites. All sites on the Registry can be viewed via the Remediation and Redevelopment (RR) Sites Map at <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. Because residual contamination remains at the time of case closure, if you intend to construct or reconstruct a potable well on this property, you must get prior DNR approval.

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

After the well abandonment forms have been received a final closure letter will be issued. DSPS understands that you and your consultant will not be submitting a claim for reimbursement from the PECFA program.

Thank you for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (262) 521-2732.

Sincerely,

A handwritten signature in cursive script that reads "Monica Weis".

Monica L. Weis
Hydrogeologist
Site Review Section

cc: Mr. Harris Byers, Symbiont

RECORDED
01/03/2011 10:44AMJOHN LA FAVE
REGISTER OF DEEDS
Milwaukee County, WI
AMOUNT: \$30.00
TRANSFER FEE: \$330.00
FEE EXEMPT #: 0***This document has been
electronically recorded and
returned to the submitter.***State Bar of Wisconsin Form 1-2003
WARRANTY DEED

Document Number

Document Name

THIS DEED, made between Mehring Management, LLC, a Wisconsin limited liability company("Grantor," whether one or more), and East Tosa, LLC, a Wisconsin limited liability company

("Grantee," whether one or more).

Grantor for a valuable consideration, conveys to Grantee the following described real estate, together with the rents, profits, fixtures and other appurtenant interests, in Milwaukee County, State of Wisconsin ("Property") (if more space is needed, please attach addendum):

Lot 2 of Certified Survey Map No. 8307 recorded in the office of the Register of Deeds for Milwaukee County, Wisconsin, on November 18, 2010, as Document No. 9941097, being all of Lot 9, Block 4, J.F. La Boule's Subdivision No. 1, in the Southwest 1/4 of the Southeast 1/4 of Section 15, Township 7 North, Range 21 East. Said land being in the City of Wauwatosa, County of Milwaukee, State of Wisconsin.

Recording Area

Name and Return Address

Merrick Fruchtman
5237 N. 5th Avenue, Blvd
Whitefish Bay, WI 53217330-0229-00 and Part of 330-0230-00
Parcel Identification Number (PIN)This is not homestead property.
(X) (is not)

Grantor warrants that the title to the Property is good, indefeasible, in fee simple and free and clear of encumbrances except: municipal and zoning ordinances and agreements entered under them, recorded easements for the distribution of utility and municipal services, recorded building and use restrictions and covenants, and general taxes levied in the year of closing and will warrant and defend the same.

Dated December 29, 2010* Gerald J. Mehring, Member

(SEAL)

Mehring Management, LLC,

* Nancy Mehring, Member

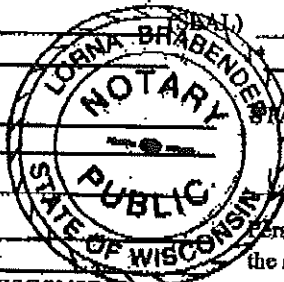
(SEAL)

(SEAL)

Signature(s)

AUTHENTICATION

authenticated on



ACKNOWLEDGMENT

STATE OF Wisconsin

Washington COUNTY)

ss.

Personally came before me on December 22, 2010the above-named Gerald J. Mehring and Nancy Mehring

TITLE: MEMBER STATE BAR OF WISCONSIN

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

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

Lorna Brabender
Lorna BrabenderNotary Public, State of WISCONSINMy commission (is permanent) (expires: 3/6/11)THIS INSTRUMENT DRAFTED BY:
Attorney Jeffrey B Green / Knight-Barry Title, Inc.
M543686 CMH

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

WARRANTY DEED

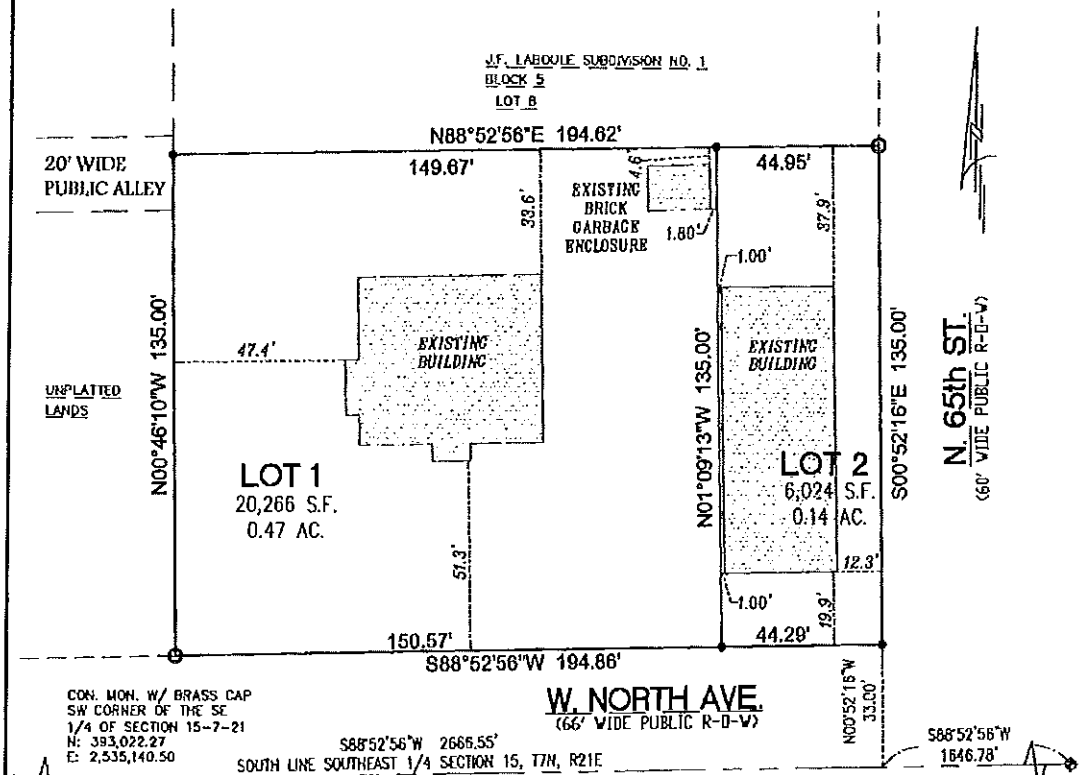
©2003 STATE BAR OF WISCONSIN

FORM NO. 1-2003

*Type name below signatures.

MILWAUKEE COUNTY CERTIFIED SURVEY MAP NO. _____

BEING ALL OF LOT 9, BLOCK 6, J.F. LA BOULE'S SUBDIVISION NO. 1 IN THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 15, TOWN 7 NORTH, RANGE 21 EAST, IN THE CITY OF WAUWATOSA, MILWAUKEE COUNTY, WISCONSIN.

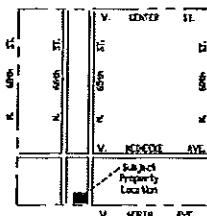


CON. MON. W/ BRASS CAP
SW CORNER OF THE SE
1/4 OF SECTION 15-7-21
N: 393,022.27
E: 2,535,140.50

W. NORTH AVE.
(66' WIDE PUBLIC R-D-V)

N 65th ST.
(60' WIDE PUBLIC R-D-V)

CON. MON. W/ BRASS CAP
SE CORNER OF THE SE
1/4 OF SECTION 15-7-21
N: 393,074.28
E: 2,537,806.31



VICINITY MAP
SE 1/4 OF SECT. 15-7-21
1" = 2000'

GRAPHIC SCALE



(IN FEET)

1 inch = 40 ft.

- - DENOTES FOUND 1" IRON PIPE
- - DENOTES SET 3/4" X 18" LONG IRON REBAR WEIGHING A MINIMUM OF 1.13 LBS PER LINEAL FOOT.

ALL BEARINGS ARE REFERENCED TO THE SOUTH LINE OF THE SOUTHEAST 1/4 OF SECTION 15-7-21. THE ASSUMED TO BEAR N88°52'56"E STATE PLANE COORDINATE SYSTEM SOUTH ZONE, FEB. 2008 DATUM.



2554 N. 100th STREET
WAUWATOSA, WI 53226
PHN 414-257-2212
FAX 414-257-2443

FREDERICK W. SHIBILSKI
S - 1154

Attn: Harris Myers
291-8841

East Tosa, LLC

(414) 962-5579

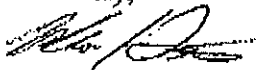
P.O. Box 170361
Milwaukee, WI 53217-8031

December 8, 2011

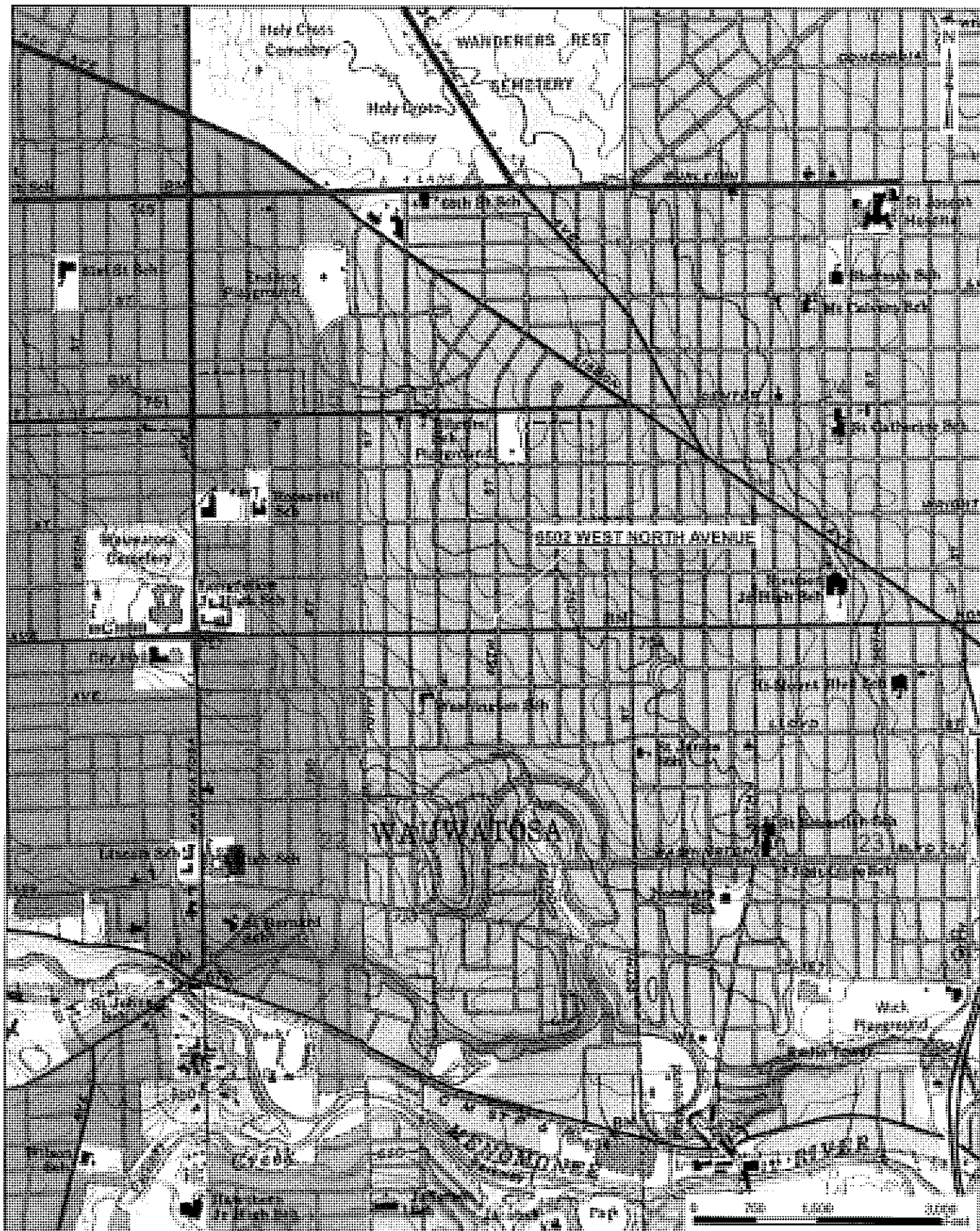
RE: Item H.1.3 - Signed Statement
Case Summary and Closure Form NR 4400-245
6502 West North Avenue; Wauwatosa, Wisconsin
BRRTS No. 02-41-556941
PECFA No. 23213-2017-02

To the best of my knowledge, I believe that the legal descriptions for all of the properties within or partially within the contaminated site's boundaries that have soil contamination exceeding generic or site-specific residual contaminant levels as determined under ss. NR 720 at the time that case closure is requested, other than public street or highway rights-of-way or railroad rights-of-way, have been submitted to the agency with administrative authority for the site, either as an attachment to the site investigation report or as part of a soil GIS registry attachment to the case close out report.

Sincerely,



Merrick Fruchtman
East Tosa, LLC



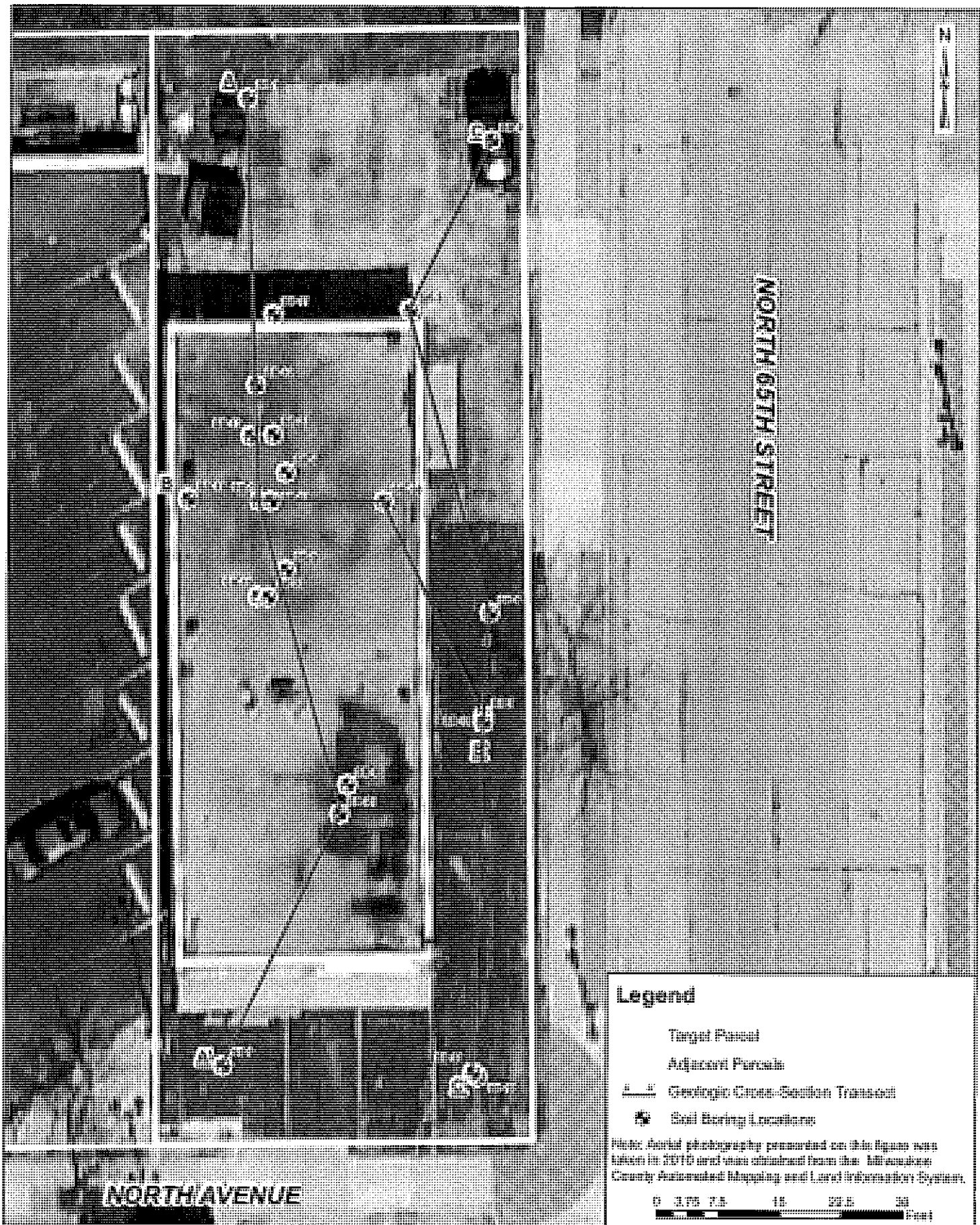
6737 West Washington Street
Suite 3410
West Allis, Wisconsin 53214
414.291.6840
FAX 414.291.8841

DSGN.	HLB	CHK
DR.	HLB	APVD.
PATH: G:\Project\Wauwatosa, City Of\W103782 - Brownfield Assessment Project\Map Document\6502 W North Ave Site Investigation		

Site Investigation
6502 West North Avenue
Wauwatosa, Wisconsin

Figure 1
Site Location
and Local Topography

SCALE	1 inch = 1,500 feet
DWG	Figure 1
DATE	Feb 2010
PROJ NO.	W103782



Legend

Target Parcel

Adjacent Parcel

Geologic Cross-Section Transect

Soil Boring Locations

Note: Aerial photography presented on this figure was taken in 2010 and was obtained from the Milwaukee County Automated Mapping and Land Information System.

0 3.75 7.5 15 22.5 30 Feet

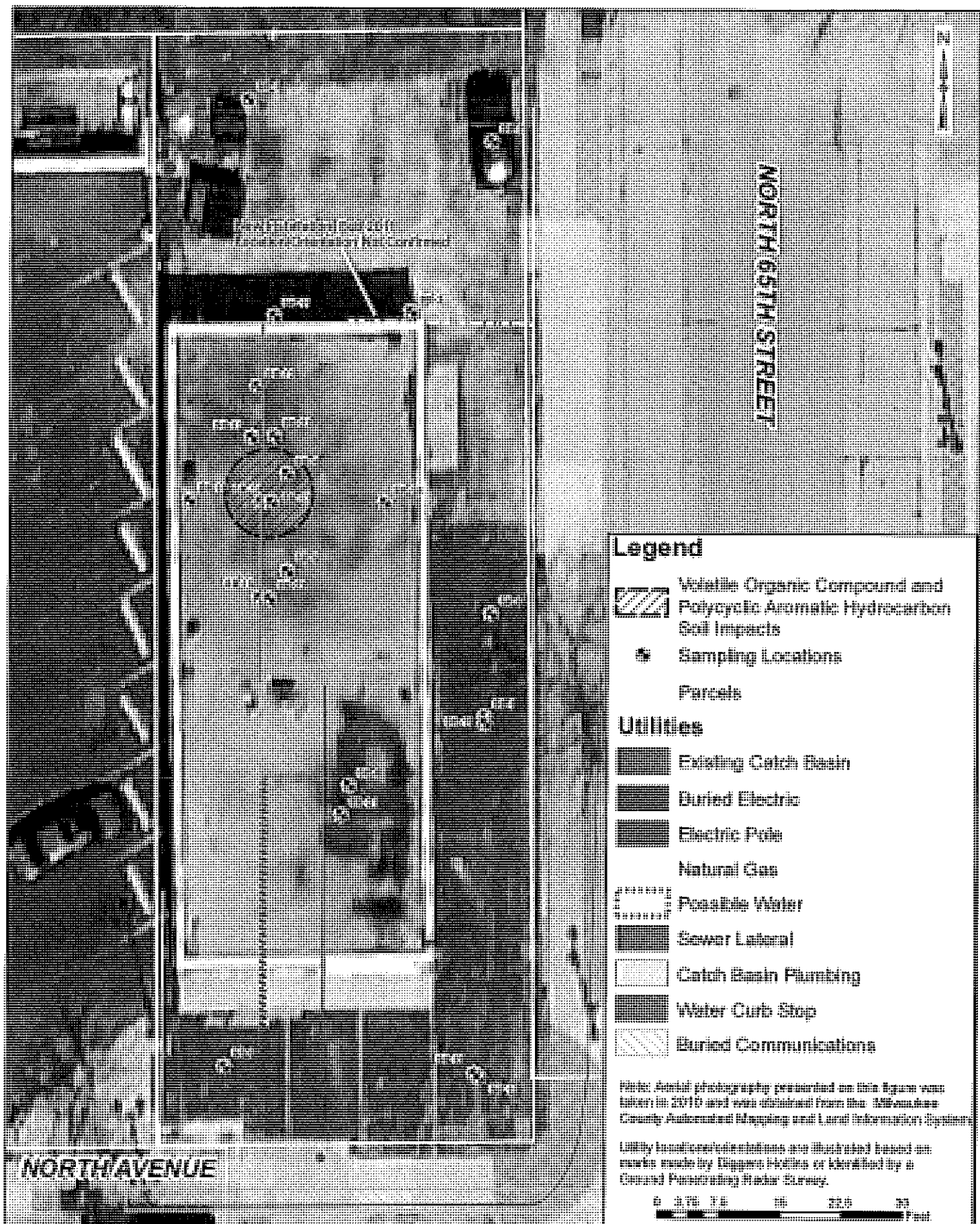
6737 West Washington Street
Suite 3440
West Allis, Wisconsin 53214
414.291.8840
FAX 414.291.8841

DSGN:	HLB	CHK:	
DR:	HLB	APVD:	
PATH: G:\Project\Wauwatosa, City of\W103752 - Brownfield Assessment Project\Map Documents 1602 W North Ave\Site Investigation			

Site Investigation
6502 West North Avenue
Wauwatosa, Wisconsin

Figure 2
Site Basemap and Geologic
Cross-Section Transects

SCALE:	1 inch = 15 feet
DWG:	Fig. 2
DATE:	February 2011
PROJ. NO.:	W103752



Legend

Volatile Organic Compound and Polycyclic Aromatic Hydrocarbon Soil Impacts

Sampling Locations

Parcels

Utilities

Existing Catch Basin

Buried Electric

Electric Pole

Natural Gas

Possible Water

Sewer Lateral

Catch Basin Plumbing

Water Curb Stop

Buried Communications

Note: Aerial photography presented on this figure was taken in 2010 and was obtained from the Milwaukee County Automated Mapping and Land Information System.

Utility locations/identifications are illustrated based on marks made by Digging Holes or identified by a Ground Penetrating Radar Survey.

0 3.75 7.5 15 22.5 30 Feet

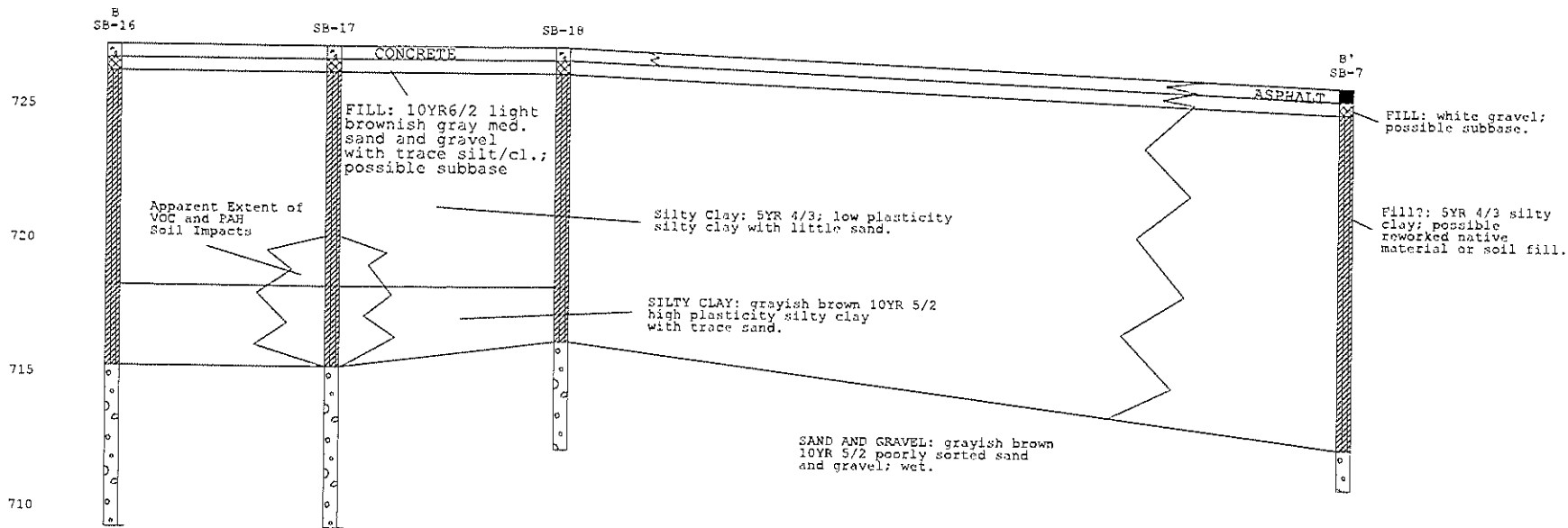
6737 West Washington Street
Suite 3440
West Allis, Wisconsin 53214
414.291.6340
FAX 414.291.8841

DESIGN: HLB CHK:
DRAWN: HLB APPROVED:
PROJECT: 01/Project/Wauwatosa, City of W103782 -
Brownfield Assessment Project Map Documents
6502 W North Avenue Investigation

Site Investigation
6502 West North Avenue
Wauwatosa, Wisconsin

Figure 3
Sample Locations and Utilities
and Extent of VOC and PAH
Soil Impacts

SCALE: 1 inch = 15 feet
DWG: Figure 3
DATE: Feb 2011
PROJECT NO.: W103782



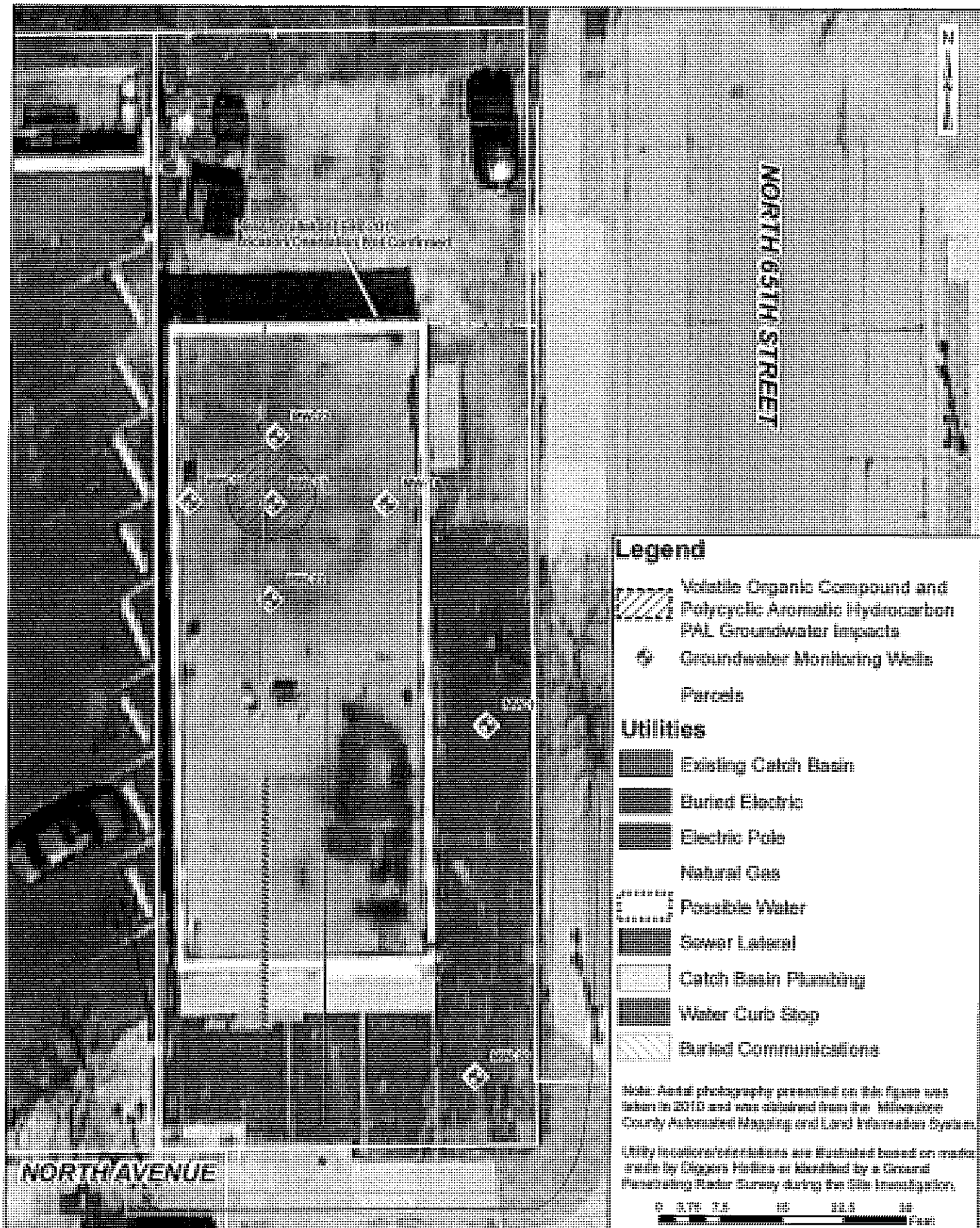
SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			SYMBOLS		TYPICAL DESCRIPTIONS
			GRAPH	LETTER	
COARSE GRAINED SOILS MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 40 SIEVE SIZE	GRAVEL AND GRAVELLY SOILS	CLEAN GRAVELS LITTLE OR NO FINE		GW	WELL-SORTED GRAVEL - SAND MIXTURES, LITTLE OR NO FINE
		GRAVELS WITH FINES APPRECIABLE AMOUNT OF FINE		GP	POORLY-SORTED GRAVEL - SAND MIXTURES, LITTLE OR NO FINE
		GRAVELS WITH FINES APPRECIABLE AMOUNT OF FINE		GM	SILT GRAVELS, GRAVEL - SAND - SILT MIXTURES
	SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING NO. 40 SIEVE SIZE	CLEAN SANDS LITTLE OR NO FINE		SW	WELL-SORTED SANDS - GRAVELLY SANDS, LITTLE OR NO FINE
		SANDS WITH FINES APPRECIABLE AMOUNT OF FINE		SP	POORLY-SORTED SANDS - GRAVELLY SANDS, LITTLE OR NO FINE
		SANDS WITH FINES APPRECIABLE AMOUNT OF FINE		SM	SILT SANDS, SAND - SILT MIXTURES
FINE GRAINED SOILS MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 40 SIEVE SIZE	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		ML	NON-COHESSIVE SILTS AND CLAYS, LIQUID LIMIT LESS THAN 50
		LIQUID LIMIT GREATER THAN 50		CL	COHESIVE SILTS AND CLAYS, LIQUID LIMIT GREATER THAN 50
		LIQUID LIMIT GREATER THAN 50		OL	ORGANIC SILTS AND CLAYS, LIQUID LIMIT GREATER THAN 50
	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		MH	NON-COHESSIVE SILTS AND CLAYS, LIQUID LIMIT GREATER THAN 50
		LIQUID LIMIT GREATER THAN 50		CH	COHESIVE SILTS AND CLAYS, LIQUID LIMIT GREATER THAN 50
		LIQUID LIMIT GREATER THAN 50		OH	ORGANIC SILTS AND CLAYS, LIQUID LIMIT GREATER THAN 50
HIGHLY ORGANIC SOILS			PT	PEAT, HUMUS, MUCK, SOILS WITH HIGH ORGANIC CONTENTS	

LEGEND

Vertical Scale 1 inch = 4 feet
Horizontal Scale 1 inch = 4 feet

	6737 W. BROADVIEW, CHICAGO, ILL. 60640 (312) 437-1000 (312) 437-1001	ENVIRONMENTAL ENGINEERING ENVIRONMENTAL INVESTIGATION ENVIRONMENTAL MONITORING ENVIRONMENTAL REMEDIATION ENVIRONMENTAL RESTORATION	VERIFY SCALE DATE: 1/22/2014 BY: [Signature] CHECKED: [Signature]	EAST TOGA, LLC 6502 WEST NORTH AV. WAUWATOSA, WISCONSIN	FIGURE 4b GEOLOGIC CROSS SECTION B-B'	SHEET NO. OF DATE: 11/15/2014 BY: [Signature]
	PROJECT: [Blank]					



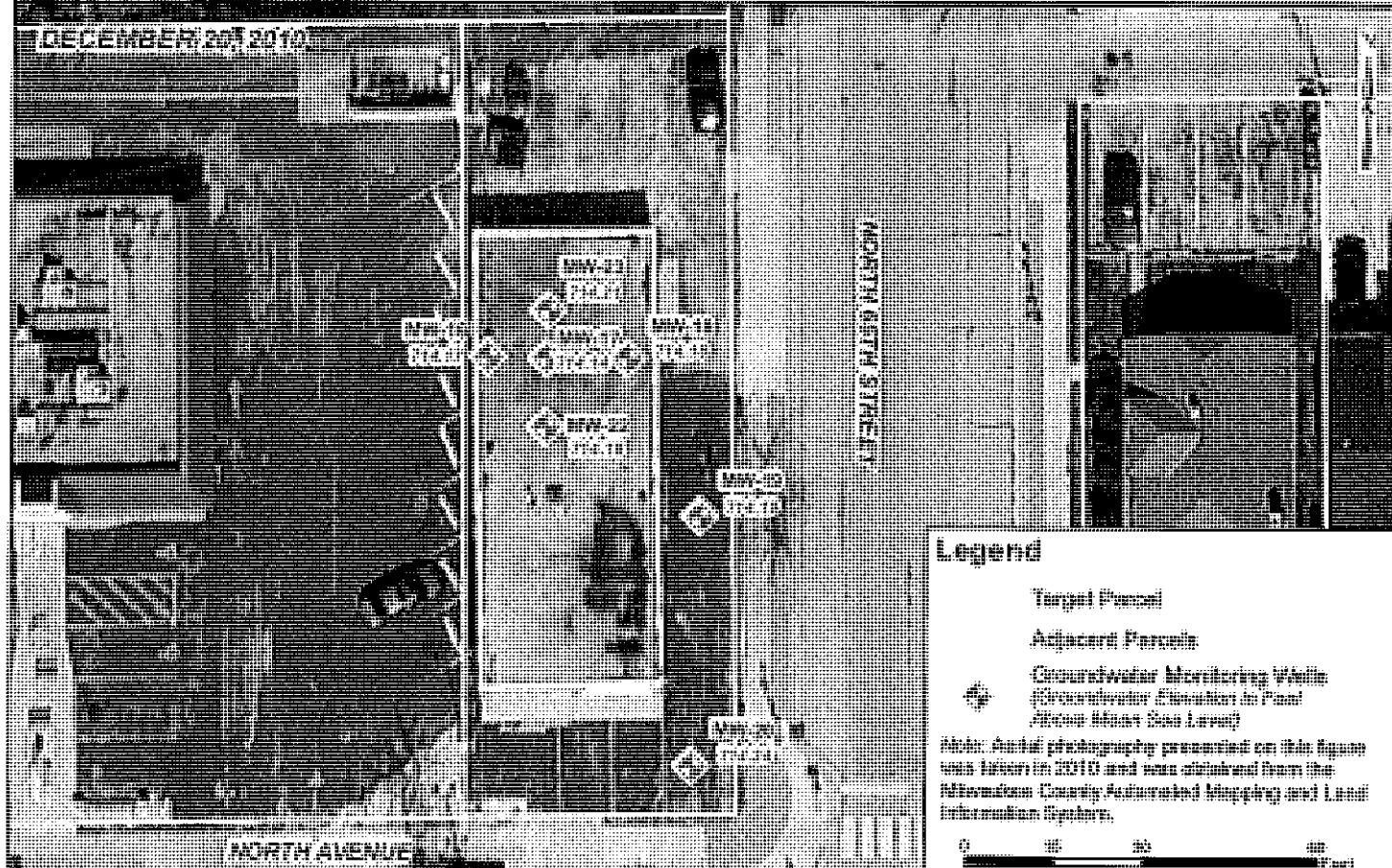
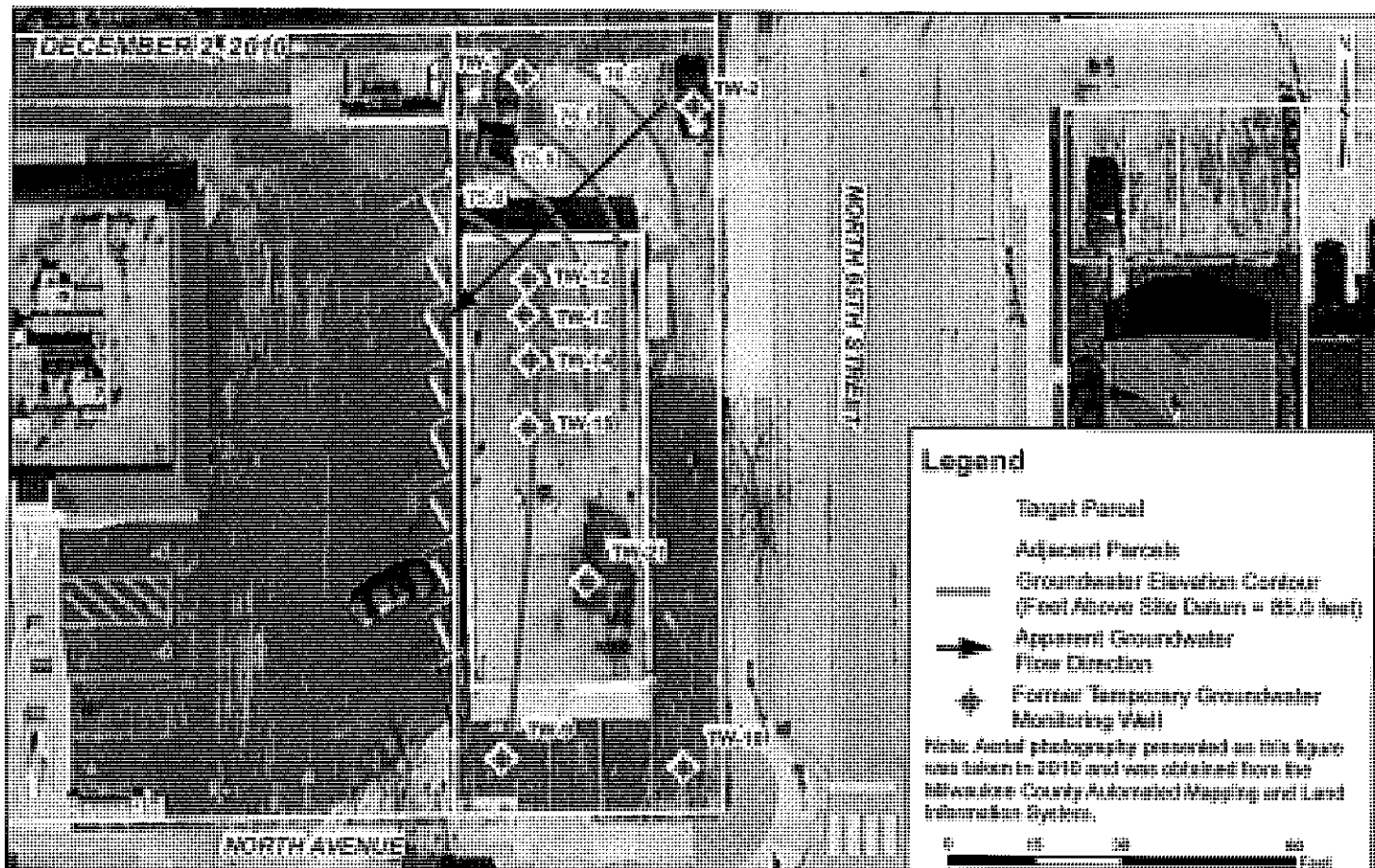
6737 West Washington Street
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DSGN: HLB CHK:
DR: HLB APVD:
PATH: G:\Projects\Wauwatosa, City of\W103782 -
Brownfield Assessment Project\Map Documents
6502 W North Ave Site Investigation

Site Investigation
6502 West North Avenue
Wauwatosa, Wisconsin

Figure 5
Sample Locations and Utilities
and Extent of VOC and PAH
Groundwater PAL Impacts

SCALE 1 inch = 15 feet
DWG: Figure 5
DATE: Feb 2011
PROJ NO: W103782



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DSGN: HLB CHK:
DR: HLB APVD:
PATH: G:\Projects\Wauwatosa, City of\W03782 -
Brownfield Assessment Project Map Documents
6502 W North Ave Site Investigation

Site Investigation
6502 West North Avenue
Wauwatosa, Wisconsin

Figure 6
Groundwater Elevation
December 2, 2010 and
December 20, 2010

SCALE 1 inch = 30 feet
DWG: Figure 6
DATE: Feb 2011
PROJ: W03782
NO:

TABLE 1
SOIL CHEMISTRY DATA
8502 WEST NORTH AVENUE
WAUWATOSA, WISCONSIN

Group	Constituent	Units	Groundwater Protection Pathway PAH ¹ VOC ^{4,5} PCBs ³	Direct Contact Non-Industrial RCL VOCs ² ; PAH ¹ Metals ^{2 and 3} PCBs ³	TCLP Metals ⁹	Site Location, Sample ID, Lab Sample ID, Sample Date, and Sample Depth (ft bgs)											
						SB-1	SB-2		SB-3	SB-4	SB-5	SB-6	SB-7	SB-7-FD	SB-8	SB-9	
						SB-1(3-4)	SB-2(3-4)	SB-2(6-7)	SB-3(5.5-6.5)	SB-4(6-7)	SB-5(7-8)	SB-6(11-12)	SB-7(10-11)	SB-7(10-11)-FD	SB-8(6-7)	SB-9(6-7)	
						10/8/2010	10/8/2010	10/8/2010	10/8/2010	10/8/2010	10/8/2010	10/8/2010	10/8/2010	10/8/2010	10/8/2010	10/8/2010	
VOCs ²	1,2,4-Trimethylbenzene	NA	8000	47000	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,3,5-Trimethylbenzene	NA	3733	27000	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Benzene	NA	5.5	150	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Ethylbenzene	NA	6000	400000	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Isopropylbenzene(Cumene)	NA	NE	860000	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Naphthalene	NA	603	65000	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Toluene	NA	1500	870000	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	m&p-Xylene	NA	30137	270000	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	n-Propylbenzene	NA	NE	3400000	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	o-Xylene	NA	NE	420000	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	p-Isopropyltoluene	NA	NE	3600000	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	sec-Butylbenzene	NA	NE	NE	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
PAHs	Acenaphthene	NA	38000	900000	NA	NA	NA	NA	<2.7	<2.8	<2.6	<2.8	<2.6	<2.7	<2.7	<2.7	
	Acenaphthylene	NA	700	18000	NA	NA	NA	<3.0	<2.9	<3.0	<2.9	<3.0	<3.0	<3.0	<3.0	<3.0	
	Anthracene	NA	3000000	5000000	NA	NA	NA	<4.4	<4.3	<4.4	<4.3	<4.4	<4.4	<4.4	<4.4	<4.4	
	Benzo(a)anthracene	NA	17000	88	NA	NA	NA	<2.7	<2.8	<2.7	<2.8	<2.7	<2.7	<2.7	<2.7	<2.7	
	Benzo(a)pyrene	NA	49000	8.8	NA	NA	NA	<3.1	<3.0	<3.1	<3.0	<3.1	<3.1	<3.1	<3.1	<3.1	
	Benzo(b)fluoranthene	NA	360000	88	NA	NA	NA	<3.3	<3.2	<3.3	<3.2	<3.3	<3.3	<3.3	<3.3	<3.3	
	Benzo(g,h,i)perylene	NA	6800000	1800	NA	NA	NA	<2.5	2.5	2.9	<2.4	<2.5	<2.5	<2.5	<2.5	<2.5	
	Benzo(k)fluoranthene	NA	570000	860	NA	NA	NA	<3.5	<3.4	<3.5	<3.4	<3.5	<3.5	<3.5	<3.5	<3.5	
	Chrysene	NA	37000	8800	NA	NA	NA	<3.5	4.7	5.4	<3.3	<3.4	<3.4	<3.5	<3.5	<3.5	
	Dibenz(a,h)anthracene	NA	38000	8.8	NA	NA	NA	<5.2	<5.0	<5.2	<5.0	<5.1	<5.1	<5.2	<5.2	<5.2	
	Fluoranthene	NA	500000	800000	NA	NA	NA	<9.5	<9.3	<9.5	<9.2	<9.4	<9.4	<9.5	<9.5	<9.5	
	Fluorone	NA	100000	600000	NA	NA	NA	<4.7	<4.6	<4.7	<4.6	<4.7	<4.7	<4.7	<4.7	<4.7	
	Indeno(1,2,3-cd)pyrene	NA	680000	88	NA	NA	NA	<2.7	<2.6	<2.7	<2.6	<2.7	<2.7	<2.7	<2.7	<2.7	
	1-Methylnaphthalene	NA	23000	1100000	NA	NA	NA	<2.9	9.2	<2.9	<2.8	<2.9	<2.9	4.8	<2.9	<2.9	
	2-Methylnaphthalene	NA	20000	600000	NA	NA	NA	<2.9	13.9	<2.9	<2.8	<2.9	<2.9	7	<2.9	<2.9	
	Naphthalene	NA	603	65000	NA	NA	NA	<3.3	23.4	<3.3	<3.2	8.6	<3.3	23	<3.3	5.6	
	Phenanthrene	NA	1800	18000	NA	NA	NA	<4.2	<4.1	<4.2	<4.1	<4.1	<4.1	<4.2	4.9	4.9	
	Pyrene	NA	8700000	500000	NA	NA	NA	<3.5	<3.4	<3.5	<3.4	<3.4	<3.4	<3.5	5.3	5.3	
	RCRA Metals	Arsenic ¹	NA	NE	0.039	NA	4.8	5.5	2.2	3.3	4.3	5.5	3.3	4.9	3.9	4	5
Barium ¹		NA	NE	15000	NA	52.1	56.6	17.5	29.7	80.9	54.1	33.1	45.3	35.4	44.5	49.2	
Cadmium ¹		NA	NE	8	NA	0.14	0.071	0.06	<0.026	0.074	0.081	<0.026	0.036	0.25	0.035	0.09	
Chromium ¹		NA	NE	16000	NA	16.5	16.9	8	12.3	15.8	18.1	11.4	15.7	10.9	13.5	14.2	
Lead ¹		NA	NE	50	NA	7.5	8.9	4.7	5.6	8.5	8.4	6.8	7.9	5.9	6.7	7	
Selenium ²		NA	NE	390	NA	0.23	<0.18	<0.18	<0.16	0.37	<0.17	0.22	0.33	<0.16	<0.18	0.35	
Silver ¹		NA	NE	390	NA	0.095	0.15	0.058	<0.044	0.11	0.11	0.08	0.13	0.046	0.096	0.13	
Mercury ²		NA	NE	5.6	NA	0.018	0.015	0.013	0.014	0.016	0.014	0.012	0.013	0.013	0.013	0.012	
TCLP Metals	Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	PCB-1018 (Aroclor 1016)	NA	3900	92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	PCB-1221 (Aroclor 1221)	NA	140	0.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	PCB-1232 (Aroclor 1232)	NA	140	0.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	PCB-1242 (Aroclor 1242)	NA	220	5.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	PCB-1248 (Aroclor 1248)	NA	220	5.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	PCB-1254 (Aroclor 1254)	NA	220	8.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	PCB-1260 (Aroclor 1260)	NA	220	24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Other	PCB, Total	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	pH at 25 Degrees C	S.U.	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Fractional Organic Carbon	Percent	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

TABLE 1
SOIL CHEMISTRY DATA
6502 WEST NORTH AVENUE
WAUWATOSA, WISCONSIN

Group	Constituent	Units	Groundwater Protection Pathway PAH ¹ VOC ^{2,4,5} PCBs ³	Direct Contact Non-Industrial RCL VOCs ² , PAH ¹ Metals ^{2 and 3} PCBs ³	Site Location, Sample ID, Lab Sample ID, Sample Date, and Sample Depth (ft bgs)													
					SB-10			SB-11			SB-12					SB-13		
					SB-10(12-13)	SB-11(2-4)	SB-11(6-7)	SB12(1.5-2.5)	SB12(6.5-7.5)	SB12(7.5-8.5)	SB12(8.5-9.5)	SB12(9.5-10.5)	SB13(5-6)	SB13(5-6)FD	SB13(9-10)			
VOCs	1,2,4-Trimethylbenzene	ug/kg	6000	47000	ND	ND	ND	NA	<25.0	NA	NA	<25.0	<25.0	<25.0				
	1,3,5-Trimethylbenzene		3733	27000	ND	ND	ND	NA	<25.0	NA	NA	<25.0	<25.0	<25.0				
	Benzene		5.5	160	ND	ND	ND	NA	<25.0	NA	NA	<25.0	<25.0	<25.0				
	Ethylbenzene		8000	400000	ND	ND	ND	NA	<25.0	NA	NA	<25.0	<25.0	<25.0				
	Isopropylbenzene(Cumene)		NE	860000	ND	ND	ND	NA	<25.0	NA	NA	<25.0	<25.0	<25.0				
	Naphthalene		803	65000	ND	ND	ND	NA	<25.0	NA	NA	<25.0	<25.0	<25.0				
	Toluene		1500	670000	ND	ND	ND	NA	<25.1	NA	NA	<25.0	<25.0	<25.0				
	m,p-Xylene		30137	270000	ND	ND	ND	NA	<50.0	NA	NA	<50.0	<50.0	<50.0				
	n-Propylbenzene		NE	3400000	ND	ND	ND	NA	<25.0	NA	NA	<25.0	<25.0	<25.0				
	o-Xylene		NE	420000	ND	ND	ND	NA	<25.0	NA	NA	<25.0	<25.0	<25.0				
	p-Isopropyltoluene		NE	3800000	ND	ND	ND	NA	<25.0	NA	NA	<25.0	<25.0	<25.0				
	sec-Butylbenzene		NE	NE	ND	ND	ND	NA	<25.0	NA	NA	<25.0	<25.0	<25.0				
PAHs	Acenaphthene	ug/kg	38000	900000	NA	<2.7	<2.6	NA	NA	<2.6	NA	NA	<2.6	NA				
	Acenaphthylene		700	18000	NA	<3.0	<2.9	NA	NA	<3.0	NA	NA	<3.0	NA				
	Anthracene		3000000	5000000	NA	<4.4	<4.3	NA	NA	<4.3	NA	NA	<4.3	NA				
	Benzo(a)anthracene		17000	88	NA	<2.7	<2.6	NA	NA	<2.7	NA	NA	<2.7	NA				
	Benzo(a)pyrene		48000	8.8	NA	<3.1	<3.0	NA	NA	<3.1	NA	NA	<3.1	NA				
	Benzo(b)fluoranthene		360000	88	NA	<3.3	<3.2	NA	NA	10	NA	NA	11.2	NA				
	Benzo(g,h,i)perylene		6800000	1800	NA	<2.6	<2.4	NA	NA	<2.5	NA	NA	<2.5	NA				
	Benzo(k)fluoranthene		370000	880	NA	<3.5	<3.4	NA	NA	<3.5	NA	NA	<3.5	NA				
	Chrysene		37000	8800	NA	<3.4	<3.3	NA	NA	<3.4	NA	NA	<3.4	NA				
	Dibenz(a,h)anthracene		36000	8.8	NA	<5.1	<5.0	NA	NA	<5.1	NA	NA	<5.1	NA				
	Fluoranthene		500000	600000	NA	<9.4	<9.1	NA	NA	<9.3	NA	NA	<9.3	NA				
	Fluorene		100000	600000	NA	<4.7	<4.5	NA	NA	<4.6	NA	NA	<4.6	NA				
	Indeno(1,2,3-cd)pyrene		680000	88	NA	<2.7	<2.6	NA	NA	<2.7	NA	NA	<2.7	NA				
	1-Methylnaphthalene		23000	1100000	NA	<2.9	<2.8	NA	NA	<2.8	NA	NA	<2.9	NA				
	2-Methylnaphthalene		20000	600000	NA	<2.9	<2.8	NA	NA	<2.8	NA	NA	<2.9	NA				
	Naphthalene		603	65000	NA	<3.3	<3.2	NA	NA	<3.3	NA	NA	<3.3	NA				
	Phenanthrene		1600	18000	NA	<4.2	<4.0	NA	NA	<4.1	NA	NA	<4.1	NA				
	Pyrene		8730000	500000	NA	<3.5	<3.3	NA	NA	<3.4	NA	NA	<3.4	NA				
RCRA Metals	Arsenic ¹	mg/kg	NE	0.039	NA	4.8	5.8	4.5	NA	NA	4.3	NA	NA	NA				
	Barium ¹		NE	15000	NA	44.4	24.9	NA	NA	NA	NA	NA	NA	NA				
	Cadmium ¹		NE	8	NA	0.083	J	<0.027	NA	NA	NA	NA	NA	NA				
	Chromium ¹		NE	16000	NA	15.9	11.1	NA	NA	NA	NA	NA	NA	NA				
	Lead ¹		NE	50	NA	8.4	6.5	NA	NA	NA	6	NA	NA	NA				
	Selenium ¹		NE	390	NA	<0.17	<0.17	NA	NA	NA	NA	NA	NA	NA				
	Silver ¹		NE	390	NA	0.083	J	<0.046	NA	NA	NA	NA	NA	NA				
TCLP Metals	Mercury ¹	mg/L	NE	5.8	NA	0.015	0.012	NA	NA	NA	NA	NA	NA	NA				
	Arsenic		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
PCBs	Lead		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
	PCB-1016 (Aroclor 1016)	ug/kg	3990	82	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
	PCB-1221 (Aroclor 1221)		140	0.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
	PCB-1232 (Aroclor 1232)		140	0.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
	PCB-1242 (Aroclor 1242)		220	5.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
	PCB-1248 (Aroclor 1248)		220	5.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
	PCB-1254 (Aroclor 1254)		220	6.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
	PCB-1260 (Aroclor 1260)		220	24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
Other	PCB, Total		NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
	pH at 25 Degrees C	S.U.	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
	Fractional Organic Carbon	Percent	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				

TABLE 1
SOIL CHEMISTRY DATA
8502 WEST NORTH AVENUE
WAUWATOSA, WISCONSIN

Group	Constituent	Units	Groundwater Protection Pathway PAH ¹ VOC ^{4,5} PCB ^{6,7}	Direct Contact Non-Industrial RCL VOCs ⁸ ; PAH ¹ Metals ^{2 and 3} PCB ^{6,7}	Site Location, Sample ID, Lab Sample ID, Sample Date, and Sample Depth (ft bgs)										
					SB-14				SB-15				SB-16		
					SB14(3-4)	SB14(7-8)	SB14(7-8)FD	SB14(10.5-11.5)	SB15(1-2)	SB15(6-7)	SB15(7-8)	SB15(8-9)	SB16 (1-2)	SB16 (3-5)	SB16 (5-8)
					12/1/2010	12/1/2010	12/1/2010	12/1/2010	12/1/2010	12/1/2010	12/1/2010	12/1/2010	12/16/2010	12/16/2010	12/16/2010
VOCs ⁷	1,2,4-Trimethylbenzene	ug/kg	6000	47000	NA	159000	NA	<25.0	NA	<25.0	NA	<25.0	NA	NA	NA
	1,3,5-Trimethylbenzene		3733	27000	NA	56500	NA	<25.0	NA	<25.0	NA	<25.0	NA	NA	NA
	Benzene		5.5	160	NA	<1250	NA	262	NA	<25.0	NA	<25.0	NA	NA	NA
	Ethylbenzene		6000	400000	NA	35400	NA	<25.0	NA	<25.0	NA	<25.0	NA	NA	NA
	Isopropylbenzene(Cumene)		NE	860000	NA	6270	NA	<25.0	NA	<25.0	NA	<25.0	NA	NA	NA
	Naphthalene		603	65000	NA	39500	NA	<25.0	NA	<25.0	NA	<25.0	NA	NA	NA
	Toluene		1500	670000	NA	<1250	NA	<25.1	NA	<25.1	NA	<25.0	NA	NA	NA
	m&p-Xylene		30137	270000	NA	126000	NA	<50.0	NA	<50.0	NA	<25.0	NA	NA	NA
	n-Propylbenzene		NE	3400000	NA	25400	NA	<25.0	NA	<25.0	NA	<50.0	NA	NA	NA
	o-Xylene		NE	420000	NA	37000	NA	<25.0	NA	<25.0	NA	<25.0	NA	NA	NA
	p-Isopropyltoluene		NE	3800000	NA	9170	NA	<25.0	NA	<25.0	NA	<25.0	NA	NA	NA
	sec-Butylbenzene		NE	NE	NA	9570	NA	<25.0	NA	<25.0	NA	<25.0	NA	NA	NA
PAHs	Acenaphthene	ug/kg	34000	900000	NA	<13.8	<34.4	<2.6	NA	<2.6	NA	NA	NA	NA	NA
	Acenaphthylene		700	18000	NA	<15.4	<39.0	<3.0	NA	<3.0	NA	NA	NA	NA	NA
	Anthracene		3000000	5000000	NA	<2.6	<57.0	<4.4	NA	<4.4	NA	NA	NA	NA	NA
	Benzo(a)anthracene		17000	88	NA	<13.8	<34.8	<2.7	NA	<2.7	NA	NA	NA	NA	NA
	Benzo(a)pyrene		48000	8.8	NA	<15.9	<40.1	<3.1	NA	<3.1	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene		360000	88	NA	55.2	137	9.8	NA	<3.1	NA	NA	NA	NA	NA
	Benzo(g,h,i)perylene		6900000	1800	NA	<12.8	<32.3	<2.5	NA	9.9	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene		370000	880	NA	<18.0	<45.5	<3.5	NA	<2.5	NA	NA	NA	NA	NA
	Chrysene		37000	8800	NA	<17.8	<44.4	<3.4	NA	<3.5	NA	NA	NA	NA	NA
	Dibenz(a,h)anthracene		38000	8.8	NA	<26.4	<66.6	<5.1	NA	<3.4	NA	NA	NA	NA	7.2
	Fluoranthene		500000	600000	NA	<48.5	<122	<8.4	NA	<5.1	NA	NA	NA	NA	<5.1
	Fluorene		190000	600000	NA	<24.1	<60.9	<4.4	NA	<0.4	NA	NA	NA	NA	<0.4
	Indeno(1,2,3-cd)pyrene		580000	88	NA	<13.8	<34.8	<2.7	NA	<4.7	NA	NA	NA	NA	<4.7
	1-Methylnaphthalene		23000	1100000	NA	303	810	<2.9	NA	<2.7	NA	NA	NA	NA	<2.7
	2-Methylnaphthalene		20000	600000	NA	677	1710	<2.9	NA	<2.9	NA	NA	NA	NA	<2.9
	Naphthalene		603	65000	NA	2690	5690	6.4	NA	<2.9	NA	NA	NA	NA	4.2
	Phenanthrene		1800	18000	NA	<21.3	<53.8	<4.1	NA	<3.3	NA	NA	NA	NA	<3.3
	Pyrene		2700000	500000	NA	<17.8	<44.8	<3.4	NA	<3.4	NA	NA	NA	NA	6.1
RCRA Metals	Arsenic ²	mg/kg	NE	0.039	6.4	NA	NA	4.1	4	NA	NA	NA	NA	NA	NA
	Barium ³		NE	15000	NA	NA	NA	38.3	28.2	NA	NA	NA	NA	NA	NA
	Cadmium ²		NE	8	NA	NA	NA	0.17	0.44	NA	NA	NA	NA	NA	NA
	Chromium ²		NE	16000	NA	NA	NA	13.7	9.8	NA	NA	NA	NA	NA	NA
	Lead ²		NE	50	77.7	22.1	NA	6.8	24.8	NA	NA	NA	NA	NA	NA
	Selenium ²		NE	390	NA	NA	NA	<0.17	<0.15	NA	NA	NA	NA	NA	NA
	Silver ²		NE	390	NA	NA	NA	<0.048	<0.041	NA	NA	NA	NA	NA	NA
	Mercury ²		NE	5.6	NA	NA	NA	0.0064	0.0095	NA	NA	NA	NA	NA	NA
TCLP Metals	Arsenic	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs	PCB-1016 (Aroclor 1016)	ug/kg	3900	92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PCB-1221 (Aroclor 1221)		140	0.12	NA	NA	NA	NA	NA	NA	NA	NA	<26.6	NA	NA
	PCB-1232 (Aroclor 1232)		140	0.12	NA	NA	NA	NA	NA	NA	NA	NA	<26.6	NA	NA
	PCB-1242 (Aroclor 1242)		220	5.3	NA	NA	NA	NA	NA	NA	NA	NA	<26.6	NA	NA
	PCB-1248 (Aroclor 1248)		220	5.2	NA	NA	NA	NA	NA	NA	NA	NA	<26.6	NA	NA
	PCB-1254 (Aroclor 1254)		220	8.8	NA	NA	NA	NA	NA	NA	NA	NA	<26.6	NA	NA
	PCB-1260 (Aroclor 1260)		220	24	NA	NA	NA	NA	NA	NA	NA	NA	<26.6	NA	NA
	PCB, Total		NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	<26.6	NA	NA
	PCB, Total		NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	<26.6	NA	NA
Other	pH at 25 Degrees C	S.U.	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.3	NA
	Fractional Organic Carbon	Percent	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	0.58%	NA	NA

TABLE 1
SOIL CHEMISTRY DATA
6502 WEST NORTH AVENUE
WAUWATOSA, WISCONSIN

Group	Constituent	Units	Groundwater Protection Pathway PAH ¹ VOC ^{4,5} PCB ^{6,7}	Direct Contact Non-Industrial RCL VOCs ⁸ ; PAH ¹ Metals ^{2 and 3} PCB ^{6,7}	Site Location, Sample ID, Lab Sample ID, Sample Date, and Sample Depth (ft bgs)											
					SB-17			SB-18				SB-21		Trip Blank		
					SB17 (3-4)	SB17 (7-8)	SB17 (10.5-11.5)	SB18 (1-2)	SB18 (3-4)	SB18 (7-8)	SB18 (7-8) FD	SB18 (10.5-11.5)	SB21 (1.5-2.5)			
					12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/17/2010	12/17/2010	10/8/2010	12/1/2010	12/20/2010
VOCs ⁷	1,2,4-Trimethylbenzene	ug/kg	6000	47000	NA	225	<25.0	NA	NA	<25.0	<25.0	<25.0	<25.0	ND	ND	ND
	1,3,5-Trimethylbenzene		3733	27000	NA	137	<25.0	NA	NA	<25.0	<25.0	<25.0	<25.0	ND	ND	ND
	Benzene		5.5	160	NA	1540	5580	NA	NA	<25.0	<25.0	<25.0	<25.0	ND	ND	ND
	Ethylbenzene		6000	400000	NA	6580	<25.0	NA	NA	<25.0	<25.0	<25.0	<25.0	ND	ND	ND
	Isopropylbenzene(Cumene)		NE	860000	NA	62	<25.0	NA	NA	<25.0	<25.0	<25.0	<25.0	ND	ND	ND
	Naphthalene		603	65000	NA	260	<25.0	NA	NA	<25.0	<25.0	<25.0	<25.0	ND	ND	ND
	Toluene		1500	670000	NA	2450	<25.0	NA	NA	<25.0	<25.0	<25.0	<25.0	ND	ND	ND
	m,p-Xylene		30137	270000	NA	15800	<50.0	NA	NA	<50.0	<50.0	<50.0	<50.0	ND	ND	ND
	n-Propylbenzene		NE	3400000	NA	124	<25.0	NA	NA	<25.0	<25.0	<25.0	<25.0	ND	ND	ND
	o-Xylene		NE	420000	NA	6100	<25.0	NA	NA	<25.0	<25.0	<25.0	<25.0	ND	ND	ND
	p-Isopropyltoluene		NE	3600000	NA	<25.0	<25.0	NA	NA	<25.0	<25.0	<25.0	<25.0	ND	ND	ND
	sec-Butylbenzene		NE	NE	NA	<25.0	<25.0	NA	NA	<25.0	<25.0	<25.0	<25.0	ND	ND	ND
PAHs	Acenaphthene	ug/kg	36000	900000	NA	NA	NA	NA	NA	<2.8	NA	NA	NA	NA	NA	NA
	Acenaphthylene		700	18000	NA	NA	NA	NA	NA	<3.0	NA	NA	NA	NA	NA	NA
	Anthracene		3000000	5000000	NA	NA	NA	NA	NA	<4.3	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene		17000	88	NA	NA	NA	NA	NA	<2.6	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene		48000	8.8	NA	NA	NA	NA	NA	<3.0	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene		360000	88	NA	NA	NA	NA	NA	<3.2	NA	NA	NA	NA	NA	NA
	Benzo(g,h,i)perylene		6600000	1800	NA	NA	NA	NA	NA	<2.5	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene		870000	880	NA	NA	NA	NA	NA	<3.4	NA	NA	NA	NA	NA	NA
	Chrysene		37000	8800	NA	NA	NA	NA	NA	<4.3	NA	NA	NA	NA	NA	NA
	Dibenz(a,h)anthracene		38000	8.8	NA	NA	NA	NA	NA	<5.0	NA	NA	NA	NA	NA	NA
	Fluoranthene		500000	600000	NA	NA	NA	NA	NA	<9.3	NA	NA	NA	NA	NA	NA
	Fluorene		190000	600000	NA	NA	NA	NA	NA	<4.6	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene		680000	88	NA	NA	NA	NA	NA	<2.6	NA	NA	NA	NA	NA	NA
	1-Methylnaphthalene		23000	1100000	NA	NA	NA	NA	NA	<2.8	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene		20000	600000	NA	NA	NA	NA	NA	<2.8	NA	NA	NA	NA	NA	NA
	Naphthalene		803	65000	NA	NA	NA	NA	NA	<3.2	NA	NA	NA	NA	NA	NA
	Phenanthrene		1800	18000	NA	NA	NA	NA	NA	<4.1	NA	NA	NA	NA	NA	NA
	Pyrene		8700000	500000	NA	NA	NA	NA	NA	3.5	NA	NA	NA	NA	NA	NA
RCRA Metals	Arsenic ²	mg/kg	NE	0.039	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium ³		NE	15000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium ⁴		NE	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium ⁵		NE	16000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead ⁶		NE	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium ⁷		NE	390	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TCPL Metals	Silver ⁸	mg/L	NE	390	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Mercury ⁹		NE	5.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs	Arsenic	mg/L	NA	NA	<0.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead		NA	NA	<0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PCB-1016 (Aroclor 1016)	ug/kg	3900	92	NA	NA	NA	<26.6	NA	NA	NA	NA	NA	NA	NA	NA
	PCB-1221 (Aroclor 1221)		140	0.12	NA	NA	NA	<26.6	NA	NA	NA	NA	NA	NA	NA	NA
	PCB-1232 (Aroclor 1232)		140	0.12	NA	NA	NA	<26.6	NA	NA	NA	NA	NA	NA	NA	NA
	PCB-1242 (Aroclor 1242)		220	5.3	NA	NA	NA	<26.6	NA	NA	NA	NA	NA	NA	NA	NA
	PCB-1248 (Aroclor 1248)		220	5.2	NA	NA	NA	<26.6	NA	NA	NA	NA	NA	NA	NA	NA
	PCB-1254 (Aroclor 1254)		220	8.8	NA	NA	NA	<26.6	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1260 (Aroclor 1260)	220		24	NA	NA	NA	<26.6	NA	NA	NA	NA	NA	NA	NA	NA	
PCB, Total	NE		NE	NA	NA	NA	<26.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other	pH at 25 Degrees C	S.U.	NE	NE	NA	NA	NA	NA	9.1	NA	NA	NA	NA	NA	NA	NA
	Fractional Organic Carbon	Percent	NE	NE	NA	NA	NA	NA	0.33%	NA	NA	NA	NA	NA	NA	NA

TABLE 1
SOIL CHEMISTRY DATA NOTES
6502 WEST NORTH AVENUE
WAUWATOSA, WISCONSIN

Note: SB = Soil boring
mg/kg = milligrams per kilogram
NA = Not analyzed or not applicable
NE = not established
PAH = polynuclear aromatic hydrocarbons
RCRA = Resource Conservation and Recovery Act
ug/kg = micrograms per kilogram
VOCs = volatile organic compounds
FD = Field Duplicate Sample
RCL = Residual Closure Level
J = Estimated concentration above adjusted method detection limit and below adjusted reporting limit
B = Analyte detected in associated method blank (at 8.5 ug/kg) and detected in associated laboratory supplied MS/MSD (at 9.7 ug/kg).
TCLP = Toxicity Characteristic Leaching Procedure

¹ Groundwater Pathway and Direct Contact Pathway for Non-Industrial and Industrial Properties Per Table 1 of WDNR, 1997, Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs) Interim Guidance, Publication RR-519-97, Available <http://dnr.wisconsin.gov/org/aw/rr/archives/pubs/RR519.pdf>,

² Residual Contaminant Levels Based on Human Health Risk from Direct Contact Related to Land Use per Ch. NR720, Tables 2

³ Residential and Industrial Screening Level per USEPA Region 9; Regional Screening Levels; Available <http://www.epa.gov/region9/superfund/prg/index.html>; Last Updated May 2010; Last Accessed June 28, 2010


⁴ Residual Contaminant Levels Based on Protection of Groundwater per Ch. NR720, Tables 1


⁵ Calculated as PAL-Based RCL per WDNR Publication PUB-RR-682


⁶ RCL calculated per WDNR Publication PUB-RR-682

⁷ Only VOCs detected in at least one sample are shown on this table

⁸ TCLP standards set forth in 40 CFR 261.24

 Cells painted blue exceed the Groundwater Protection Pathway

 Cells painted orange exceed the appropriate Direct Contact Non-Industrial RCL

 Residential Screening Level per USEPA Region 9; Regional Screening Levels; Available <http://www.epa.gov/region9/superfund/prg/index.html>

 Cells painted red exceed TCLP standards set forth in 40 CFR 261.24

TABLE 3
Survey and Groundwater Elevation Data
6502 West North Avenue
Wauwatosa, Wisconsin

LOCATION	ELEVATION TOC (feet*)	WATER LEVEL 10/8/2010 (ft below TOC)	WATER TABLE ELEVATION 10/8/2010 (feet)	WATER LEVEL 10/25/2010 (ft below TOC)	WATER TABLE ELEVATION 10/25/2010 (feet)	WATER LEVEL 12/2/2010 (ft below TOC)	WATER TABLE ELEVATION 12/2/2010 (feet)
TW-1	89.49	12.95	76.54	13.17	76.32	13.20	76.29
TW-2	89.82	12.74	77.08	13.13	76.69	13.04	76.78
TW-6	87.57	6.24	81.33	Dry			
TW-7	87.15	7.68	79.47				
TW-9	85.48	4.22	81.26	10.54	74.94	10.65	74.83
TW-10	85.51	5.63	79.88	10.49	75.02	Abandoned	
TW-12	90.18	Not Installed				15.18	75.00
TW-13	89.06					14.00	75.06
TW-14	88.13					Not Measured	
TW-15	88.21					13.27	74.94

LOCATION	ELEVATION TOC feet amsl	ELEVATION TOG feet amsl	WATER LEVEL 12/17/2010 (ft below TOC)	WATER TABLE ELEVATION 12/17/2010 feet amsl	WATER LEVEL 12/20/2010 (ft below TOC)	WATER TABLE ELEVATION 12/20/2010 feet amsl
MW-16	726.84	727.25	12.47	714.37	12.67	714.17
MW-17	726.95	727.24	12.67	714.28	12.81	714.14
MW-18	726.93	727.26	12.47	714.46	12.75	714.18
MW-19	725.54	726.04	NM	NM	11.35	714.19
MW-20	724.04	724.42	NM	NM	9.80	714.24
MW-22	726.93	727.25	12.65	714.28	12.75	714.18
MW-23	726.64	727.18	12.33	714.31	12.43	714.21

Note:

Site benchmark (BM-2) was established by Symbiont using a sub-cm GPS and the elevation was 727.55 Feet AMSL.

amsl - above mean sea level

TOC - Top of Well Casing

TOG - Top of Ground Surface

NM - Not Measured

TW - temporary 1-inch diameter PVC groundwater monitoring well

MW - permanent c. NR 141 WAC groundwater monitoring well