State of Wisconsin
Department of Natural Resources
P.O. Box 7921, Madison, WI 53707-7921

GIS REGISTRY (Cover Sheet)
Form 4400-280 (R 6/13)

Source Property Information

CLOSURE DATE: 07/11/2012

BRRTS #: **02-41-554962**

FID #: 341184470

ACTIVITY NAME: COAKLEY (FMR AMPCO METAL)

DATCP #:

PROPERTY ADDRESS: 4000 W BURNHAM ST

PECFA#:

MUNICIPALITY: Milwaukee

PARCEL ID #: 4571352000

***WTM COORDINATES:**

X: **685864** Y: **283997**

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

WTM COORDINATES REPRESENT:

○ Approximate Center Of Contaminant Source

◉ Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

CONTINUING OBLIGATIONS

Contaminated Media for Residual Contamination:

☒ Groundwater Contamination > ES *(236)*

- ☒ Contamination in ROW
- ☒ Off-Source Contamination

*(**note:** for list of off-source properties see "Impacted Off-Source Property Information, Form 4400-246")*

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

- ☐ Contamination in ROW
- ☐ Off-Source Contamination

*(**note:** for list of off-source properties see "Impacted Off-Source Property Information, Form 4400-246")*

Site Specific Obligations:

☐ 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)*

- ☒ Direct Contact
- ☒ Soil to GW Pathway

☒ Vapor Mitigation *(226)*

☐ Maintain Liability Exemption *(230)*

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

Monitoring Wells:

MW-11

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

○ Yes ◉ No ○ N/A

** Residual Contaminant Level*
***Site Specific Residual Contaminant Level*

PLEASE ASSEMBLE IN THIS ORDER

GIS Registry Checklist

Form 4400-245 (R 8/11)

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 #: 02-41-554962 *(No Dashes)* PARCEL ID #: 4571352000

ACTIVITY NAME: COAKLEY (FMR AMPCO METAL) WTM COORDINATES: X: 685864 Y: 283997

CLOSURE DOCUMENTS (the Department adds these items to the final GIS packet for posting on the Registry)

- [x] **Closure Letter**
- [x] **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**
- [x] **Certificate of Completion (COC)** (for VPLE sites)

SOURCE LEGAL DOCUMENTS

- [x] **Deed:** The most recent deed as well as legal descriptions, for the **Source Property** (where the contamination originated). Deeds for other, off-source (off-site) properties are located in the **Notification** section.
  Note: *If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.*
- [ ] **Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map *for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map.* (lots on subdivided or platted property (e.g. lot 2 of xyz subdivision)).

  Figure #: **Title:**
- [ ] **Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description accurately describes the correct contaminated property.

MAPS (meeting the visual aid requirements of s. NR 716.15(2)(h))

Maps must be no larger than 11 x 17 inches unless the map is submitted electronically.

- [x] **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: Location Map**
- [x] **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 #: 1 **Title: Site Map**
- [x] **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 #: 9a-9c **Title: Soil Chemical Conditions - VOCs, PAHs, Arsenic and Lead**

BRRTS #: 02-41-554962 ACTIVITY NAME: COAKLEY (FMR AMPCO METAL)

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: Cross Section A-A'**

Figure #: 5 **Title: Cross Section B-B'**

☒ **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 #: 3, 3 **Title: Volitile Organic Compound Concentration in GW for (Trichloroethen) & (Vinyl Chloride)**

☒ **Groundwater Flow Direction Map:** A map that represents groundwater movement at the site. If the flow direction varies by more then 20° over the history of the site, submit 2 groundwater flow maps showing the maximum variation in flow direction.

Figure #: 2 **Title: GW Elevation Contour Map**

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 #: 3a-3c, 1, 6-1 **Title: Soil Chemical Concentrations.., Detect Constituents..,Soil Sample Results, Soil Analytical...**

☒ **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, 3 **Title: Historical GW..., Historical Natural Attenuation., Volatile Organic Compound..**

☐ **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 #: **Title:**

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 #: 1 **Title: Site Map**

☒ **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 #: 02-41-554962 ACTIVITY NAME: COAKLEY (FMR AMPCO METAL)

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: 3

☐ **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: 3

State of Wisconsin
Department of Natural Resources
http://dnr.wi.gov

Impacted Off-Source Property Information

Form 4400-246 (R 3/08)

This fillable form is intended to provide a list of information that must be submitted for evaluation for case closure. It is to be used in conjunction with Form 4400-202, Case Closure Request (Section H). 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 #: 02-41-554962

ACTIVITY NAME: COAKLEY (FMR AMPCO METAL)

ID	Off-Source Property Address	Parcel Number	WTM X	WTM Y
A	4111 W Mitchell St	4571371000	685863	284139
B	4150 W Burnham St	4579967100	685795	284084
C	4100 W Mitchell St	4571001002	685820	284218
D				
E				
F				
G				
H				
I				

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

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

July 11, 2012

Mr. Jeff Hall
90 S 7th Street, Suite 4500
Minneapolis, MN 55402

SUBJECT: Final Case Closure with Continuing Obligations for the Coakley Site (Former AMPCO Metals), 4000 W Burnham Street, Milwaukee, WI
WDNR BRRTS Activity #: 02-41-554962 FID # 341184470

Dear Mr. Hall:

On March 9, 2011, the SE Region Closure Committee reviewed the above referenced case for closure. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases.

On May 11, 2012, the Department received information or documentation (including Well Abandonment Forms and Off-site Notification Letter(s)) indicating that you have complied with the requirements for final closure.

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

GIS Registry
This site will be listed on the Remediation and Redevelopment Program's internet accessible GIS Registry, to provide notice of residual contamination, and of any continuing obligations. The continuing obligations for this site are summarized below:

- Residual soil contamination exists that must be properly managed should it be excavated or removed
- Pavement, an engineered cover or a soil barrier must be maintained over contaminated soil and the state must approve any changes to this barrier
- Groundwater contamination is present above Chapter NR 140 enforcement standards
- One or more monitoring wells were not located and must be properly abandoned if found.

All site information, including the maintenance plan, is also on file at the SE Regional DNR office, at **2300 N. Dr. Martin Luther King, Jr. Drive, Milwaukee WI 53212-3128**. 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 sites on the GIS Registry web page, visit the RR Sites Map page at http://dnr.wi.gov/topic/Brownfields/rrsm.html If the property is listed on the GIS Registry

because of remaining contamination and you intend to construct or reconstruct a well, you will need prior Department approval in accordance with s. NR 812.09(4) (w), Wis. Adm. Code. To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line at http://dnr.wi.gov/org/water/dwg/3300254.pdf or at the web address listed above for the GIS Registry.

Closure Conditions

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

Cover or Barrier

Pursuant to s. 292.12(2)(a), Wis. Stats., the pavement or other impervious cap that currently exists in the location shown on the **attached map** shall be maintained in compliance with the **attached maintenance plan** in order to minimize the infiltration of water and prevent additional groundwater contamination that would violate the groundwater quality standards in ch. NR 140, Wis. Adm. Code, and to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health.

Soil contamination remains at the site as shown on the **attached map** and in the information submitted to the Department of Natural Resources. If soil in the specific locations shown on the attached map is excavated in the future, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken during excavation activities to prevent a health threat to humans.

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

Prohibited Activities

The following activities are prohibited on any portion of the property where [pavement, a building foundation, soil cover, engineered cap or other barrier] is required as shown on the attached map, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources: 1) removal of the existing barrier; 2) replacement with another barrier; 3) excavating or grading of the land surface; 4) filling on capped or paved areas; 5) plowing for agricultural cultivation; 6) construction or placement of a building or other structure.

Upon Department approval to replace the existing barrier, the replacement barrier must be one of similar permeability, until contaminant levels no longer exceed the applicable standards.

Residual Groundwater Contamination

Groundwater impacted by VOC contamination greater than enforcement standards set forth in ch. NR140, Wis. Adm. Code, is present both on this contaminated property and off this contaminated property, as shown on the **attached map**. Off-source property owners have also been notified of the presence of groundwater contamination.

Vapor Migration

In addition, depending on site-specific conditions, construction over contaminated materials may result in vapor migration 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, and measures should be taken to ensure the continued protection of public health, safety, welfare and the environment at the site.

Monitoring Wells that could not be Properly Abandoned

On January 31, 2011 your consultant AMEC Geomatrix, Inc. notified the Department that monitoring well MW-11 located on the Coakley Property (4000 W Burnham St.) shown on the attached map, could not be properly abandoned because it was missing due to being paved over, covered or removed during site development activities. Your consultant has made a reasonable effort to locate the well shown on the attached map and to determine whether it was properly abandoned but has been unsuccessful in those efforts. You need to understand that in the future you may be held liable for any problems associated with monitoring well MW-11 if it creates a conduit for contaminants to enter groundwater. If in the future any of the groundwater monitoring wells are found, the then current owner of the property on which the well is located will be required to notify the Department, to properly abandon the wells in compliance with the requirements in ch. NR 141, Wis. Adm. Code, and to submit the required documentation of that abandonment to the Department.

Dewatering Permits

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

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

Post-Closure Notification Requirements

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

- Disturbance, construction on, change or removal in whole or part of pavement, an engineered cover or a soil barrier that must be maintained over contaminated soil
- One or more monitoring wells that were not located are found and properly abandoned.

Please send written notifications in accordance with the above requirements to **2300 N. Dr. Martin Luther King, Jr. Drive, Milwaukee WI 53212-3128**, to the attention of the Environmental Program Associate.

The following DNR fact sheet, RR-819, "Continuing Obligations for Environmental Protection" has been included with this letter, to help explain a property owner's responsibility for continuing obligations on their property. If the fact sheet is lost, you may obtain a copy at http://dnr.wi.gov/files/pdf/pubs/rr/rr819.pdf

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 Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Andy Boettcher at (414) 263-8541.

Sincerely,

James A. Schmidt

James A Schmidt
SER Remediation & Redevelopment Team Supervisor

Encl: Cap Maintenance Plan
Missing & Transferred Monitoring Well Location Map
Remaining Soil Contamination Map
Remaining Groundwater Contamination Map

cc: Michael Beck, Braun Intertec, 11001 Hampshire Avenue S, Minneapolis, MN 55438
WDNR Case File

WDNR BRRTS CASE # 02 - 41 - 554962
WDNR BRRTS CASE # 06 - 41 - 554957 WDNR SITE NAME : Coakley (Fmr Ampco Metal)

PERMANENT SOIL COVER MAINTENANCE PLAN

October 26, 2010

Property Located at:

4000 West Burnham Street
Milwaukee, Wisconsin
FID No. 341184470, WDNR BRRTS No. 02-41-554962 & 06-41-554957

Introduction

The purpose of this document is to present a Maintenance Plan for the permanent soil cover at the above-referenced property per the requirements of NR 724.13(2) of the Wisconsin Administrative Code. The maintenance activities relate to the existing slab on grade building, paved surfaces, and top soil cover that form a permanent barrier over impacted soil and groundwater at the Site.

Description of Contamination

Soil at the Site is contaminated by volatile organic compounds (VOCs), polyaromatic hydrocarbons (PAHs), arsenic, and lead and groundwater at the Site is contaminated by VOCs.

Description of Permanent Barrier

The permanent soil cover at the Site consists of the existing building, bituminous asphalt parking lots, driveways, and truck maneuvering areas, and a 6-inch topsoil cover in green space areas. The building foundation, paved surfaces, and soil cover serve as a barrier to prevent direct human contact with residual soil contamination that might otherwise pose a threat to human health. The building foundation and paved surfaces also act as a partial infiltration barrier to minimize future soil-to-groundwater contamination migration. Based on the current and future use of the property, the barrier will function as intended unless disturbed.

Annual Inspection

The building foundation, paved surfaces, and 6-inch top soil cover overlying residual soil and groundwater impacts will be inspected once a year for cracks, exposed underlying soils, and other potential problems that could cause infiltration into or exposures to underlying soils. The inspections will be performed to evaluate damage to the concrete floor, paved surfaces, and top soil cover due to settling, exposure to the weather, wear from traffic, increasing age and other factors. Any area where underlying soils have become exposed and where infiltration from the surface will not be effectively minimized will be documented. A log of the inspections will be maintained by the property owner and is included as Appendix B, *Permanent Soil Cover Maintenance and Inspection Log.* The log will include recommendations for necessary repair of any areas where underlying soils are exposed and where infiltration from the surface will not be effectively minimized. Once repairs are completed, they will be documented in the inspection

log. A copy of the inspection log will be kept at the address of the property owner and available for submittal or inspection by the Wisconsin Department of Natural Resources (WDNR) representatives upon their request.

Maintenance Activities

If problems are noted during the annual inspections or at any other time during the year, repairs will be scheduled as soon as practical. Maintenance activities can include patching and filling operations or they can include larger resurfacing or construction operations. In the event that necessary maintenance activities expose the underlying soil, the owner must inform maintenance workers of the direct contact exposure hazard and provide them with appropriate personal protection equipment (PPE). The owner must also collect samples of any soil that is excavated from the site prior to off-site disposal to identify an appropriate disposal facility. Excavated soil must be treated, stored, and disposed by the owner in accordance with applicable local, state, and federal regulations.

In the event the paved surfaces and/or building overlaying the contaminated soil or groundwater plume are removed or replaced, the replacement barrier must be equally impervious. Any replacement barrier will be subject to the same maintenance and inspection guidelines as outlined in this Maintenance Plan unless indicated otherwise by the WDNR or its successor.

Prohibition of Activities and Notification of WDNR Prior to Actions Affecting the Barrier

The following activities are prohibited on the property unless prior written approval has been obtained from the WDNR: 1) removal of the existing barrier; 2) replacement with another barrier; 3) excavating or grading of the land surface; 4) filling on capped or paved areas; 5) plowing for agricultural cultivation; or 6) construction or placement of a new building or structure.

Amendment or Withdrawal of Maintenance Plan

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

Contact Information

Jeff Hall
RER Acquisitions, LLC
90 S. 7th St., Suite 4500
Minneapolis, MN 55402
Phone: 612-904-1513
Email: jeffthall1@aol.com

LEGAL DESCRIPTION

Coakley
4000 West Burnham Street
Milwaukee, Wisconsin

Certified Survey Map No. 7551 in NW ¼ Sec. 1-6-21, Parcel 2, TID 54

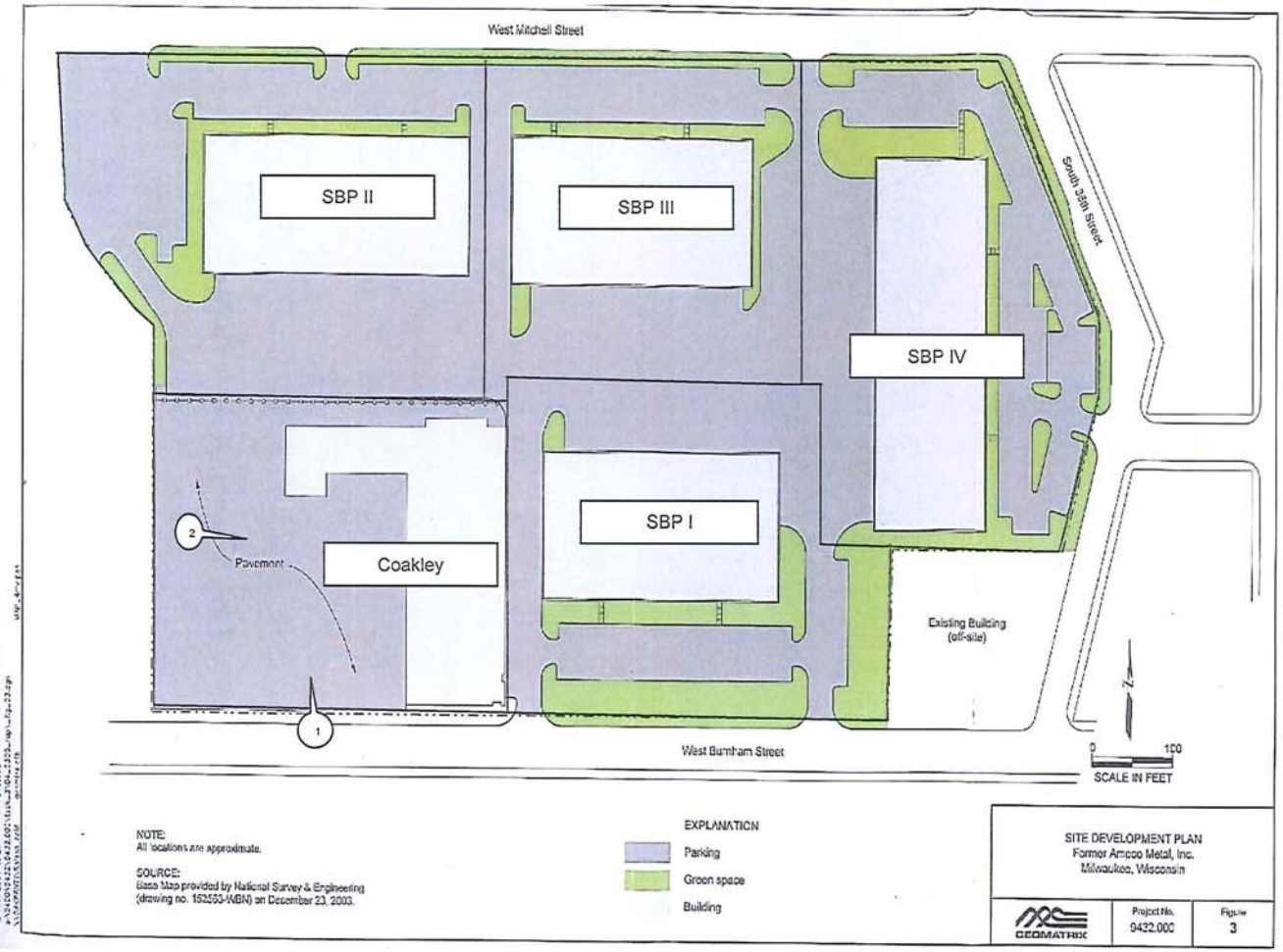
That part of the NW ¼ of Section 1, in Township 6 North, Range 21 East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin, bounded and described as follows: Commencing at the SW corner of said ¼ section, thence North 88°17'40" East along the South line of said ¼ section 561.0 feet to a point; thence North 01°42'20" West and at right angles to the South line of said ¼ section 33.0 feet to a point on the North line of West Burnham Street, being the point of beginning of the land to be described; thence North 01°42'20" West 333.00 feet to a point; thence North 88°17'40" East 443.00 feet, more or less to a point on the extension Northerly of the East wall of a brick and concrete block building; thence South 01°01'02" East along the East wall of said building and the East wall extended 333.00 feet, more or less to a point on the North line of West Burnham Street; thence South 88°17'40" West 439.00 feet more or less to the point of beginning.

PERMANENT SOIL COVER INSPECTION AND MAINTENANCE LOG

Inspection Date	Inspector	Condition of Barrier	Recommendations	Has recommended maintenance from previous inspection been implemented?

DESCRIPTION OF SOIL PERFORMANCE STANDARD ELEMENTS

Soil performance standard elements on the Coakley property consist of the existing building and pavements that extend out from the buildings toward the property boundaries and surrounding streets. There are no green spaces on the Coakley property. The building and associated pavements form a permanent cover that will prevent exposure to residual soil impacts that exist at the Coakley property.



Map and Photos Documenting Buildings, Pavement, and Greenspace Areas

Photos taken 11/2/2010

BRRTS #: 02-41-554962
FID #: 341184470
SITE NAME: COAKLEY (FMR AMPCO METAL)

To view the Certificate of Completion (COC) for this site click on the link below:

BRRTS #	SITE NAME
06-41-554957	COAKLEY (FMR AMPCO METAL)

5

FORM NO 985-A

HCMiller

Stock No. 26273

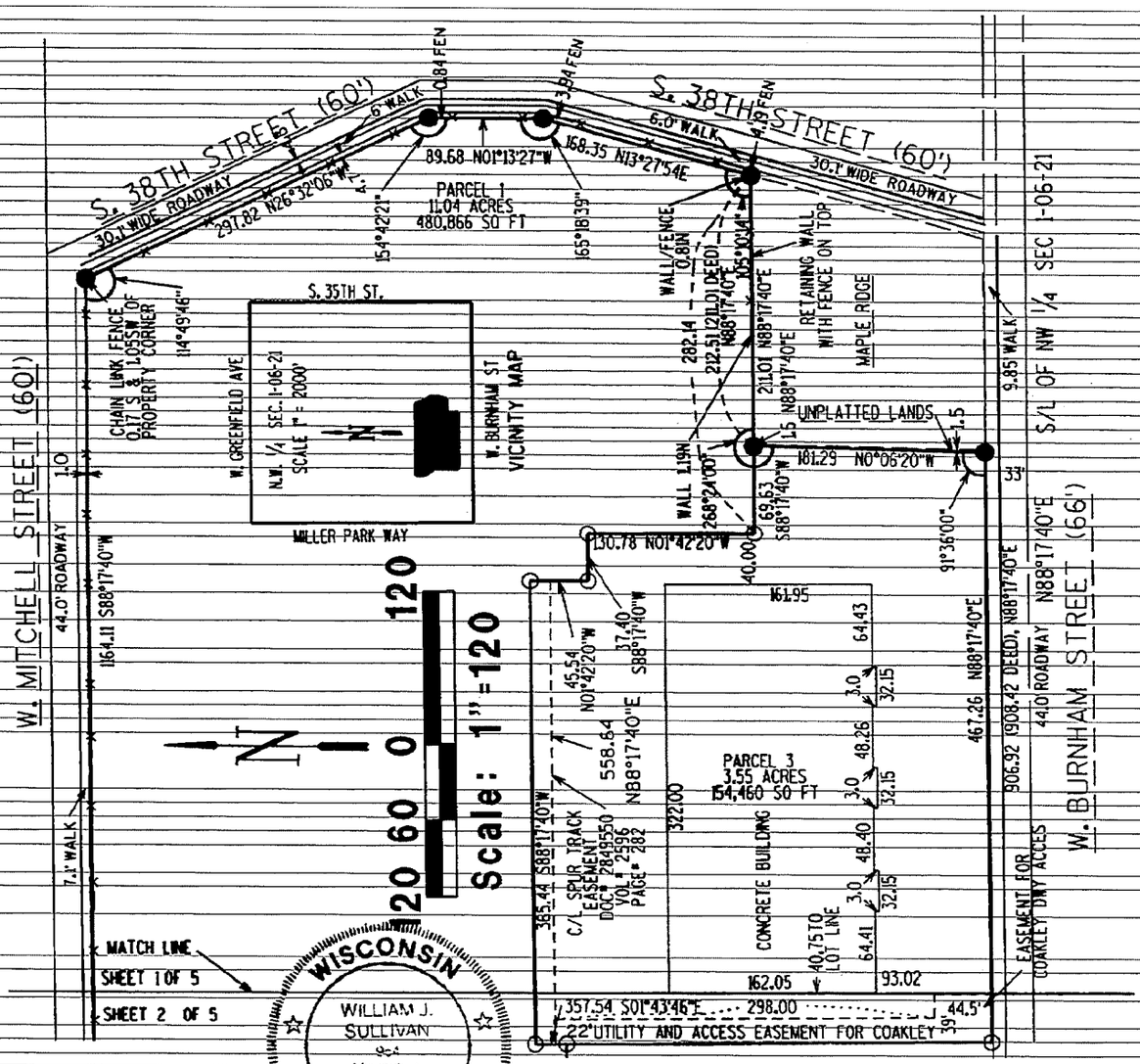
DCD # 2432

CERTIFIED SURVEY MAP 7551

November 30, 2004
REVISED 12-03-04

A division of lands in part of the Southeast ¼ and the Southwest ¼ of the Northwest ¼ of Section 1, Township 6 North, Range 21 East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin.

PREPARED FOR:	LOCATION OF PROPERTY:	PREPARED BY:
SBP I LLC	1745 SOUTH 38th STREET	MAKING THE GRADE, INC.
A MINNESOTA LLC	MILWAUKEE, WI 53215	N48 W14170 HAMPTON AVENUE
333 SOUTH 7th STREET		MENOMONEE FALLS, WI 53051
SUITE #3060		Zoning: IH
MINNEAPOLIS, MN 55402		Tax Key Number 457-9972-111(6)



Legend:
O Denotes 1 ¼" x 18" iron rebars 4.30 lbs/ft.
• Denotes 3/4" x 18" iron rebar 1.5 lbs/ft.
All bearings are referenced to the South line of the Northwest ¼ section 1-6-21, which is assumed to bear N88°17'40"E

This instrument was drafted by Kimberly Poenisch

INFRASTRUCTURE SERVICES DIVISION
Marcia Lindstrom 12/20/04
CENTRAL DRAFTING & RECORDS MANAGER
Martin Cegarra 12/16/04
ENGR. IN CHARGE ENVIRON. ENGR.
CORRECT
12/21/04
CITY ENGINEER
APPROVED

DEPARTMENT OF CITY DEVELOPMENT
CITY PLANNING MANAGER
NOV 30 2004
STAFF PLANNER

FORM NO. 985-A

HCMiller

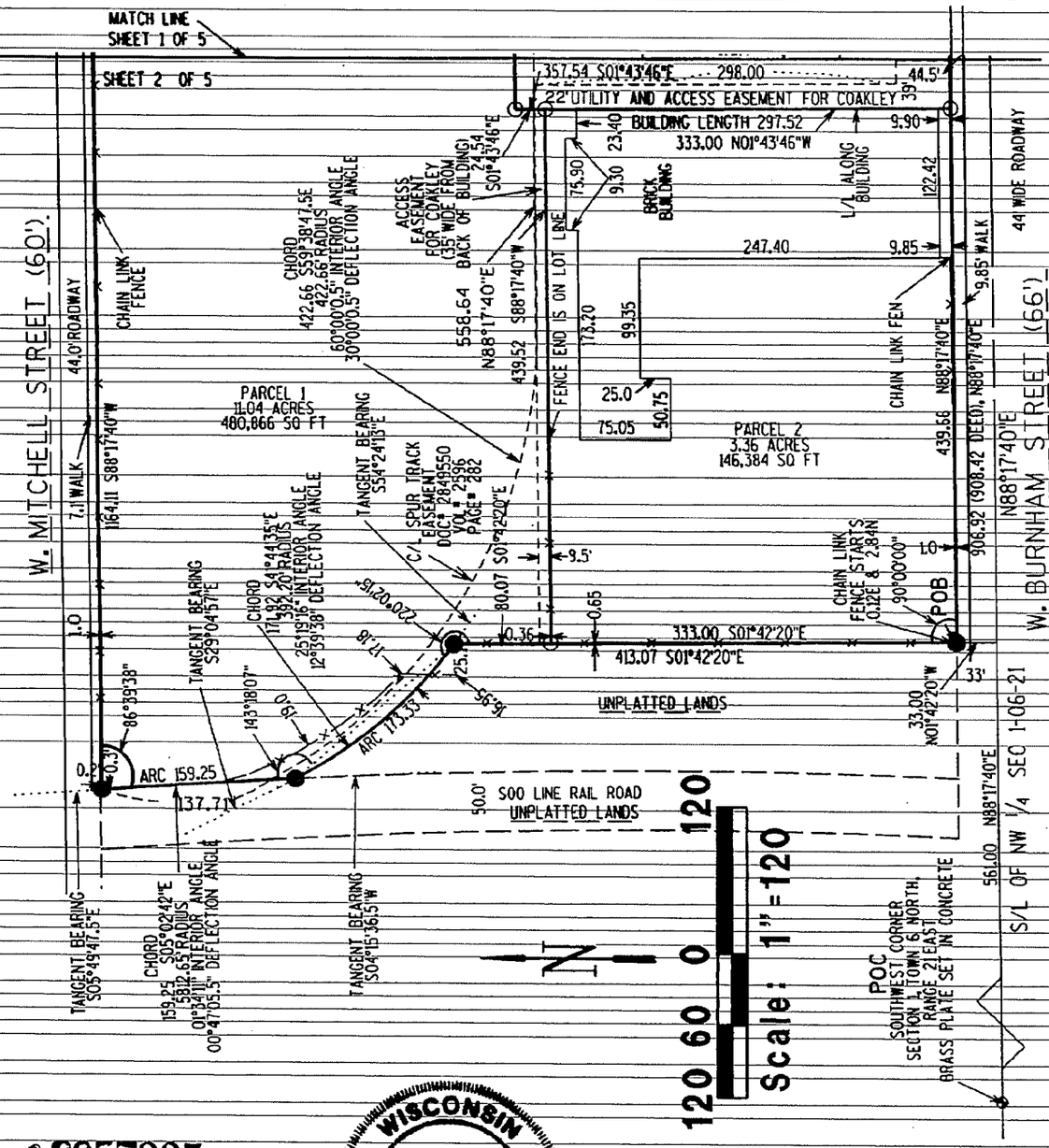
Stock No. 26273

DCD # 2432

CERTIFIED SURVEY MAP 7551

November 30, 2004
REVISED 12-03-04

A division of lands in part of the Southeast ¼ and the Southwest ¼ of the Northwest ¼ of Section 1, Township 6 North, Range 21 East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin.



08957225

REGISTER'S OFFICE
Milwaukee County, WI } SS
RECORDED AT 10:03 AM

FEB 11 2005

REEL ____ IMAGE ____

REGISTER OF DEEDS

WISCONSIN
WILLIAM J. SULLIVAN
S-2421
Milwaukee County
LAND SURVEYOR
12-03-04

This instrument was drafted by Kimberly Poenisch.

FORM NO. 985-A

HCMiller

Stock No. 26273

DOC# 2432

CERTIFIED SURVEY MAP 2551

November 30, 2004

REVISED 12-03-04

A division of lands in part of the Southeast ¼ and the Southwest ¼ of the Northwest ¼ of Section 1, Township 6 North, Range 21 East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin.

SURVEYOR'S CERTIFICATE

STATE OF WISCONSIN)
): SS
MILWAUKEE COUNTY)

I, William J. Sullivan, registered surveyor, certify:

That I have surveyed, divided and mapped a division of lands in part of the Southeast ¼ and Southwest ¼ of the Northwest ¼ of Section 1, Township 6 North, Range 21 East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin, bounded and described as follows:

Commencing at the Southwest corner of said ¼ Section; thence North 88°17'40" East along the South line of said ¼ Section 561.00 feet to a point;
thence North 01°42'20" West and at right angles to the South line of said ¼ Section 33.00 feet to a point on the North line of West Burnham Street, being the Point of Beginning of the land to be described;
thence North 88°17'40" East along the North line of West Burnham Street 906.92 (908.42 Deed) feet to a point 1.50 feet West of the West line of Maple Ridge;
thence North 00°06'20" West, parallel with said West line 181.29 feet to a point; thence North 88°17'40" East along the North line of said Maple Ridge and its westerly prolongation 212.51 (211.01 Deed) feet to the Northeast corner of Lot 1 in Maple Ridge , said point also being on the Westerly line of South 38th Street;
thence North 13°27'54" East along the Westerly line of South 38th Street 168.35 feet to a point;
thence North 01°13'27" West along the Westerly line of South 38th Street 89.68 feet to a point;
thence North 26°32'06" West along the Westerly line of South 38th Street 297.82 feet to a point on the South line of West Mitchell Street,
thence South 88°17'40" West along the South line of West Mitchell Street 1164.11 feet to a point along a non-tangent curve concaved to the West, having a radius of 5,812.65 feet and whose chord bears South 05°02'42" East, 159.25 feet, said point being on the Easterly line of a 50.00 foot wide strip of unplatted land;
thence Southerly along the arc of said curve 159.25 feet to a non-tangent curve along the Southwesterly line of a side track easement concaved to the Northeast having a radius of 392.20 feet and whose chord bears South 41°44' 35" East, 171.92 feet;
thence Southeasterly along the arc of said curve 173.33 feet to a non-tangent line; thence South 01°42'20" East, 413.07 feet to the Point of Beginning containing an area of 781,710 sq ft, (17.95 acres)

That I have made the survey, land division, and map by the direction of SBP I LLC.

That the map is a correct representation of all the exterior boundaries of the land surveyed and the land division made.

That I have fully complied with Chapter 236 of the Wisconsin Statutes and Chapter 119 of the Milwaukee Code of Ordinances in surveying, dividing and mapping the same.

William J Sullivan
William J Sullivan, Registered Wisconsin Land Surveyor, (954)

WISCONSIN WILLIAM J. SULLIVAN 954 WI LAND SURVEYOR
William J Sullivan
12-03-04

This instrument was drafted by Kimberly Poenisch.

FORM NO. 985-A

HCMiller

Stock No. 26273

DCD #2432

CERTIFIED SURVEY MAP 7551 November 30, 2004
REVISED 12-03-04

A division of lands in part of the Southeast ¼ and the Southwest ¼ of the Northwest ¼ of Section 1, Township 6 North, Range 21 East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin.

CORPORATE OWNER'S CERTIFICATE

The SBP I LLC, a Minnesota Limited Liability Company duly organized and existing under and by virtue of the laws of the State of Minnesota, as owner, caused the land described on this map to be surveyed, divided and mapped and dedicated as represented on this map in accordance with Chapter 119 of the Milwaukee Code of Ordinances.

In consideration of the approval of the map by the Common Council and in accordance with Chapter 119 of the Milwaukee Code, the undersigned agrees:

a) That all utility lines to provide electric power and telephone services and cable televis.on or communications systems lines or cables to all lots in the certified survey map shall be installed underground in easements provided therefore.

This agreement shall be binding on the undersigned and assigns.

In Witness Whereof, SBP I LLC, a Minnesota Limited Liability Company has caused these presents to be signed by Jeffrey T. Hall, its President; and countersigned by Paul M. Hyde, its Secretary, at Minneapolis, Minnesota, this 6th day of December, 2004

In the presents of:

(Witness)

(Witness)

SBP I LLC, a Minnesota Limited Liability Company

Jeffrey T. Hall, President

Paul M. Hyde, Secretary

STATE OF MINNESOTA)
): SS
Hennepin **COUNTY)**

Personally came before me this 6th day of December, 2004, Jeffrey T. Hall, President, of the above named SBP I LLC, a Minnesota Limited Liability Company to me known as the person who executed the foregoing instrument, and to me known to be the President of the above named Company and acknowledged that he executed the foregoing instrument as such officer as the deed of the Company, by its authority.

Notary Public

State of Minnesota
My commission expires 1-31-08
My commission is permanent.

ERIC T. OBRIEN
Notary Public-Minnesota
My Commission Expires Jan 31, 2008

Personally came before me this 6th day of December, 2004, Paul M. Hyde, Secretary of the above named SBP I LLC, a Minnesota Limited Liability Company to me known as the person who executed the foregoing instrument, and to me known to be the Secretary of the above named Company and acknowledged that he executed the foregoing instrument as such officer as the deed of the Company, by its authority.

Notary Public

State of Minnesota
My commission expires Jan 31 2008
My commission is permanent.

ERIC T. OBRIEN
Notary Public-Minnesota
My Commission Expires Jan 31, 2008

WISCONSIN
WILLIAM J. SULLIVAN
964
Milwaukee, WI
12-03-04
LAND SURVEYOR

This instrument was drafted by Kimberly Poenisch

FORM NO 985-A

HCMiller

Stock No. 26273

DOC #2432

CERTIFIED SURVEY MAP 7551

November 30, 2004
REVISED 12-03-04

A division of lands in part of the Southeast ¼ and the Southwest ¼ of the Northwest ¼ of Section 1, Township 6 North, Range 21 East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin.

CONSENT OF CORPORATE MORTGAGEE

First National Bank of Omaha, a national banking association, mortgagee of the above described land, consents to the surveying, dividing, mapping, restricting and dedication of the land described in the foregoing affidavit of William J. Sullivan, surveyor, and consents to the above certificate of SBP I LLC, a Minnesota Limited Liability Company, owner. In Witness Whereof, the First National Bank of Omaha has caused these presents to be signed by Lorrie L Becker, and countersigned by Michael J. Kuester, at Omaha, ~~Minnesota,~~ Nebraska. this 7th day of December, 2004.

In the presents of:

(Witness)

(Witness)

First National Bank of Omaha

Lorrie L Becker, Vice President

Michael J Kuester, Vice President

STATE OF ~~MINNESOTA~~ NEBRASKA)
) SS
DOUGLAS COUNTY)

Personally came before me this 7th day of December, 2004, Lorrie L Becker, VP, and Michael J Kuester, VP, of the above corporation, to me known to be the persons who executed the foregoing instrument, and to me known to be the Vice President and Vice President of the corporation, and acknowledged that they executed the foregoing instrument as such officers as the deed of the corporation.

Delores M. Micheel, Notary Public

State of Nebraska
My commission expires
My commission is permanent.

GENERAL NOTARY-State of Nebraska
DELORES M. MICHEEL
My Comm. Exp. Nov. 30, 2006

CERTIFICATION OF CITY TREASURER

STATE OF WISCONSIN)
): SS
MILWAUKEE COUNTY)

I, Wayne F. Whittow, being the duly elected, qualified and acting City Treasurer of the City of Milwaukee, certify that in accordance with the records in the office of the City Treasurer of the City of Milwaukee there are no unpaid taxes or unpaid special assessments on the land included in this certified survey map.

1-31-05
Date:

Wayne F. Whittow, City Treasurer

COMMON COUNCIL CERTIFICATE OF APPROVAL

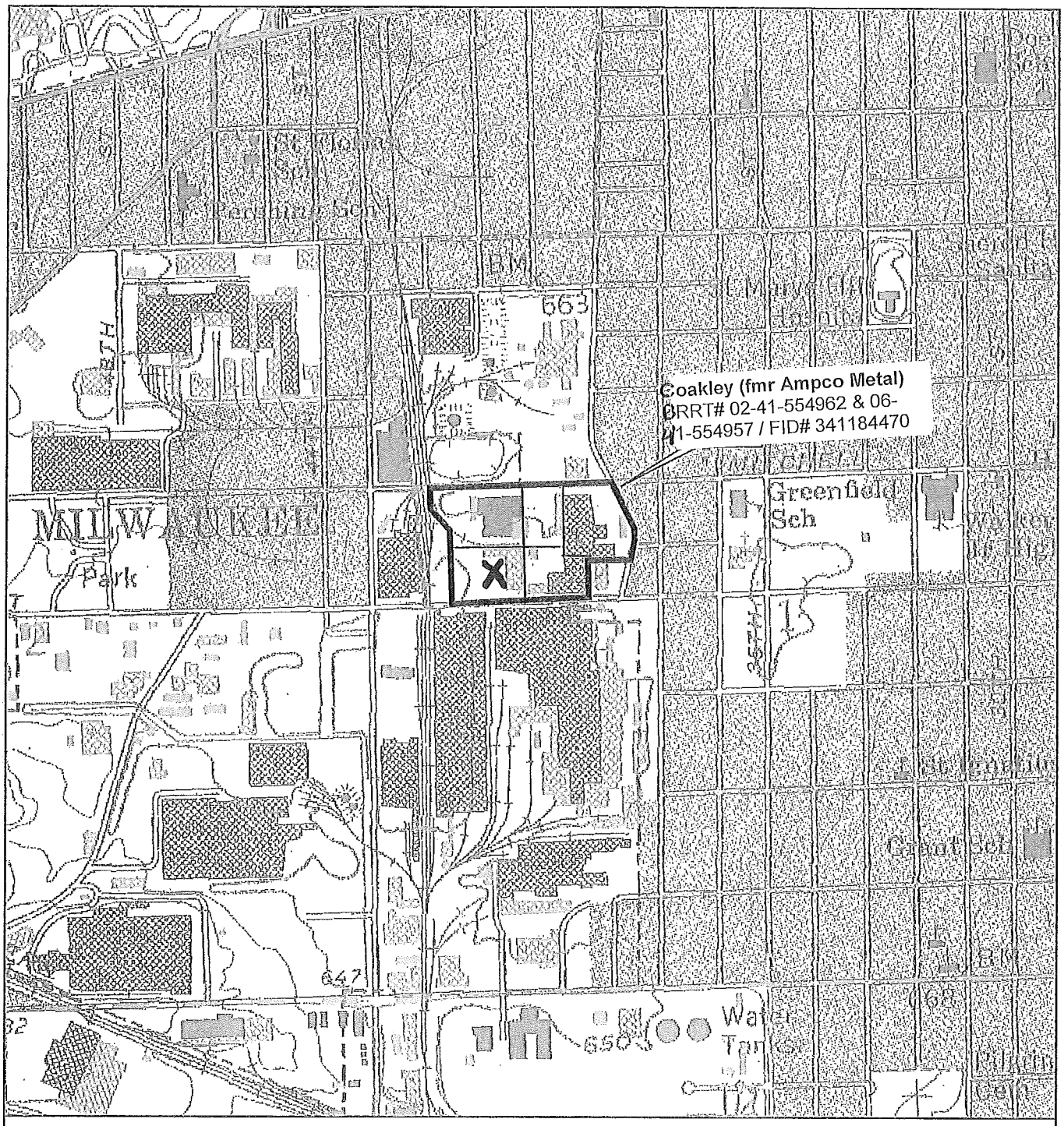
I certify that this certified survey map was approved under Resolution File No. 041154 Adopted by the Common Council of the City of Milwaukee on December 21, 2004.

Ronald D. Leonhardt, City Clerk

Tom Barrett, Mayor

WISCONSIN WILLIAM J. SULLIVAN S-1464 WI 12-03-04 LAND SURVEYOR

This instrument was drafted by Kimberly Poenisch



Basemap from USGS, Milwaukee, Wisconsin (1958)
7.5' topographic Quadrangle (photorevised in 1971).

SCALE 1:12,000

0 0.1 0.2 Miles

0 750 1,500 Feet

N

GEOMATRIX

SITE LOCATION MAP
Former Ampco Metal, Inc.
Milwaukee, Wisconsin

Project No.
9432.000

Figure 1. Location Map – Coakley (Fmr Ampco Metal)

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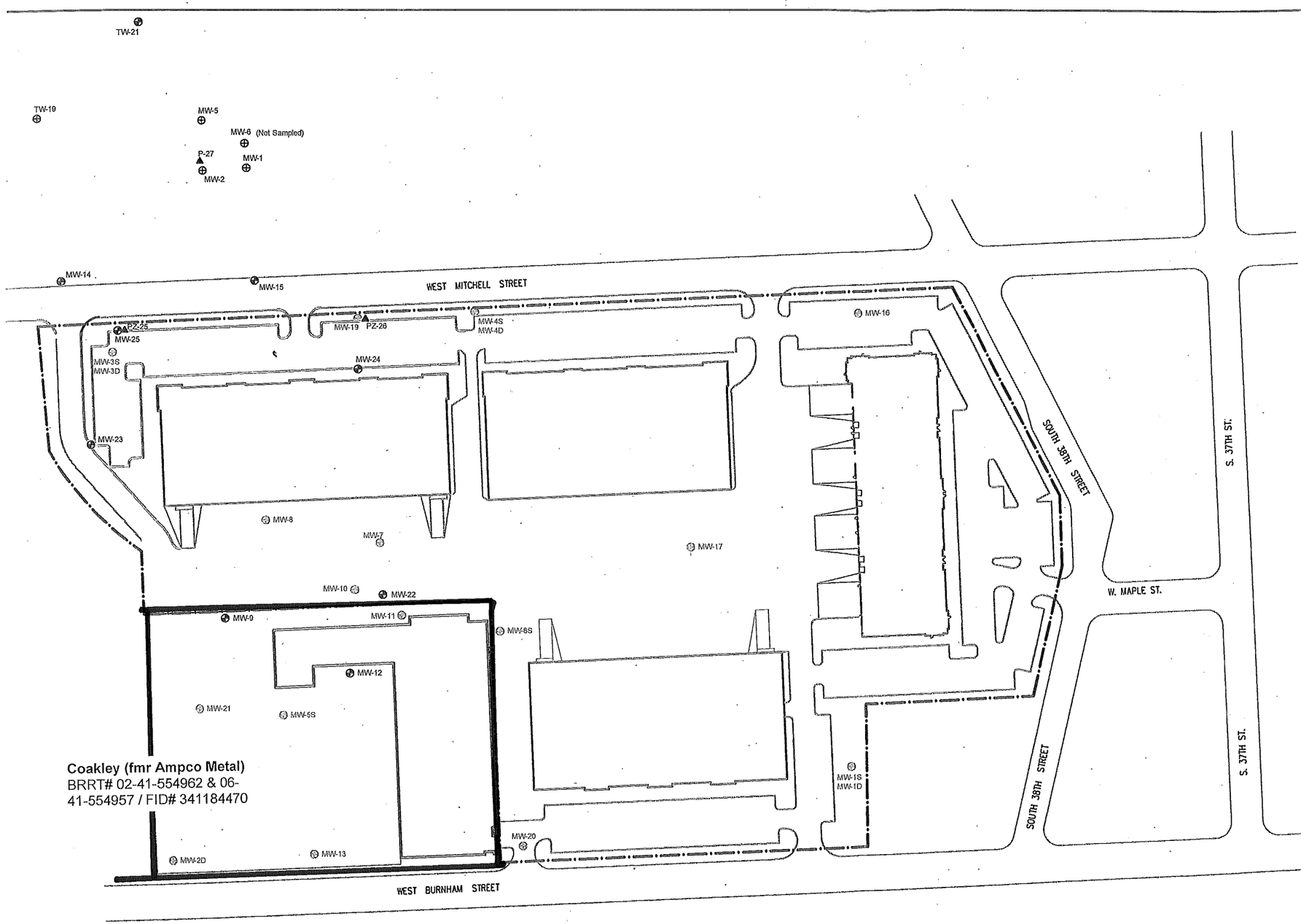


EXPLANATION:

- Property Boundary
- MW-5S Former Monitoring Well
- MW-25 Monitoring Well
- MW-5 Laidlaw Facility Wells
- P-25 Piezometer

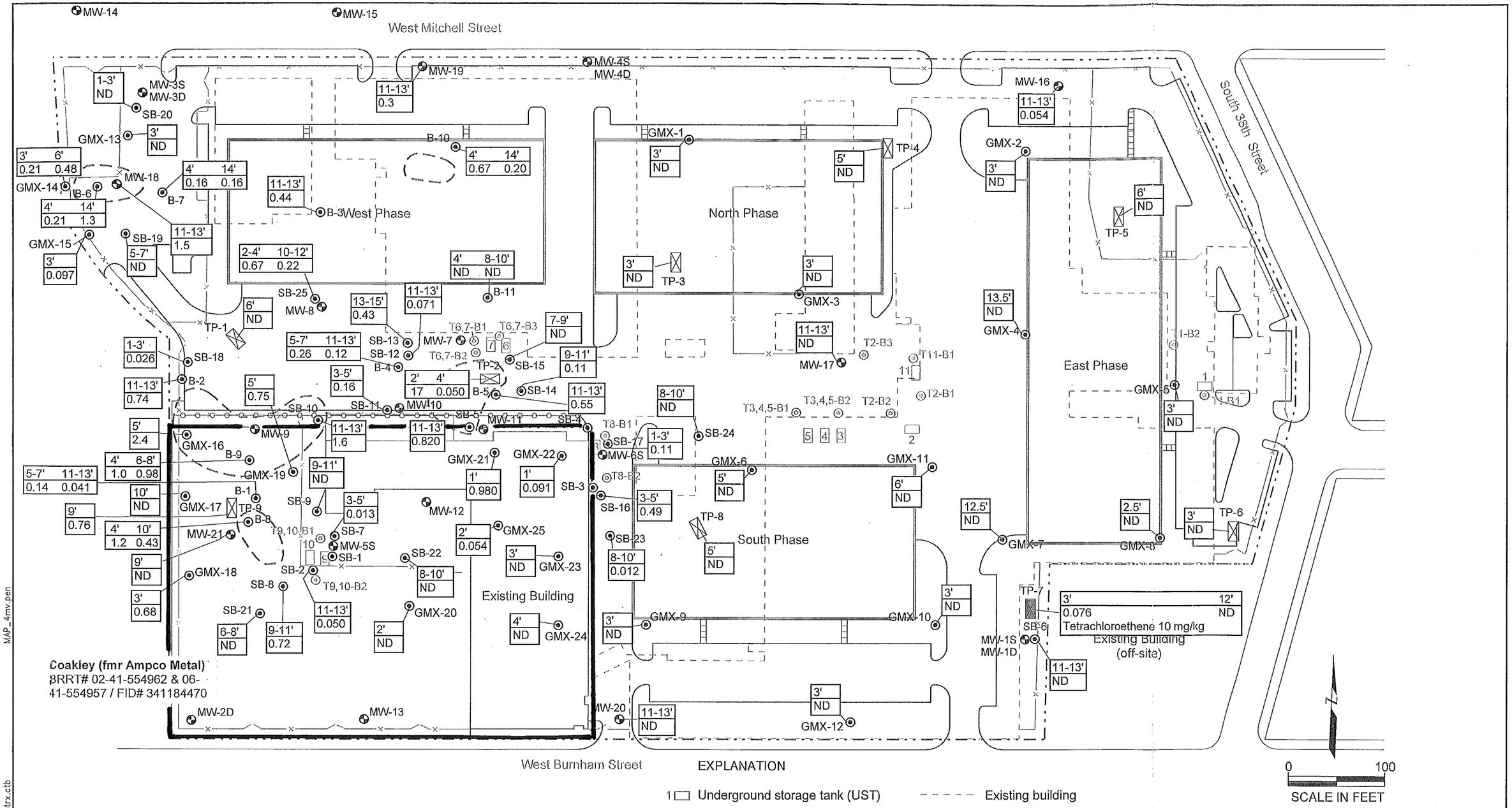
N

APPROXIMATE SCALE IN FEET
0 70 140
0 21 42
APPROXIMATE SCALE IN METERS

SITE MAP
Former Ampco Metal, Inc.
Milwaukee, Wisconsin

By: MJC	Date: 01/10/08	Project No. 9432.000
Geomatrix		Figure 1

BASEMAP MODIFIED FROM DRAWING PROVIDED BY WELMAN ARCHITECTS, INC DATED APRIL 6, 2007



EXPLANATION

- Underground storage tank (UST)
- Monitoring welll
- Soil boring
- Test trench
- Fence
- Property boundary
- Existing building
- Proposed new building
- VOCs detected above RCL
- Sample depth in feet
- TCE (mg/kg)

NOTE:
All locations are approximate.

SOURCE:
Base Map provided by National Survey & Engineering (drawing no. 152563-WBN) on December 23, 2003.

PRE-REMEDIAL

SOIL CHEMICAL CONDITIONS - VOCs
Former Ampco Metal, Inc.
Milwaukee, Wisconsin

GEOMATRIX

Project No.	Figure
9432.000	9a

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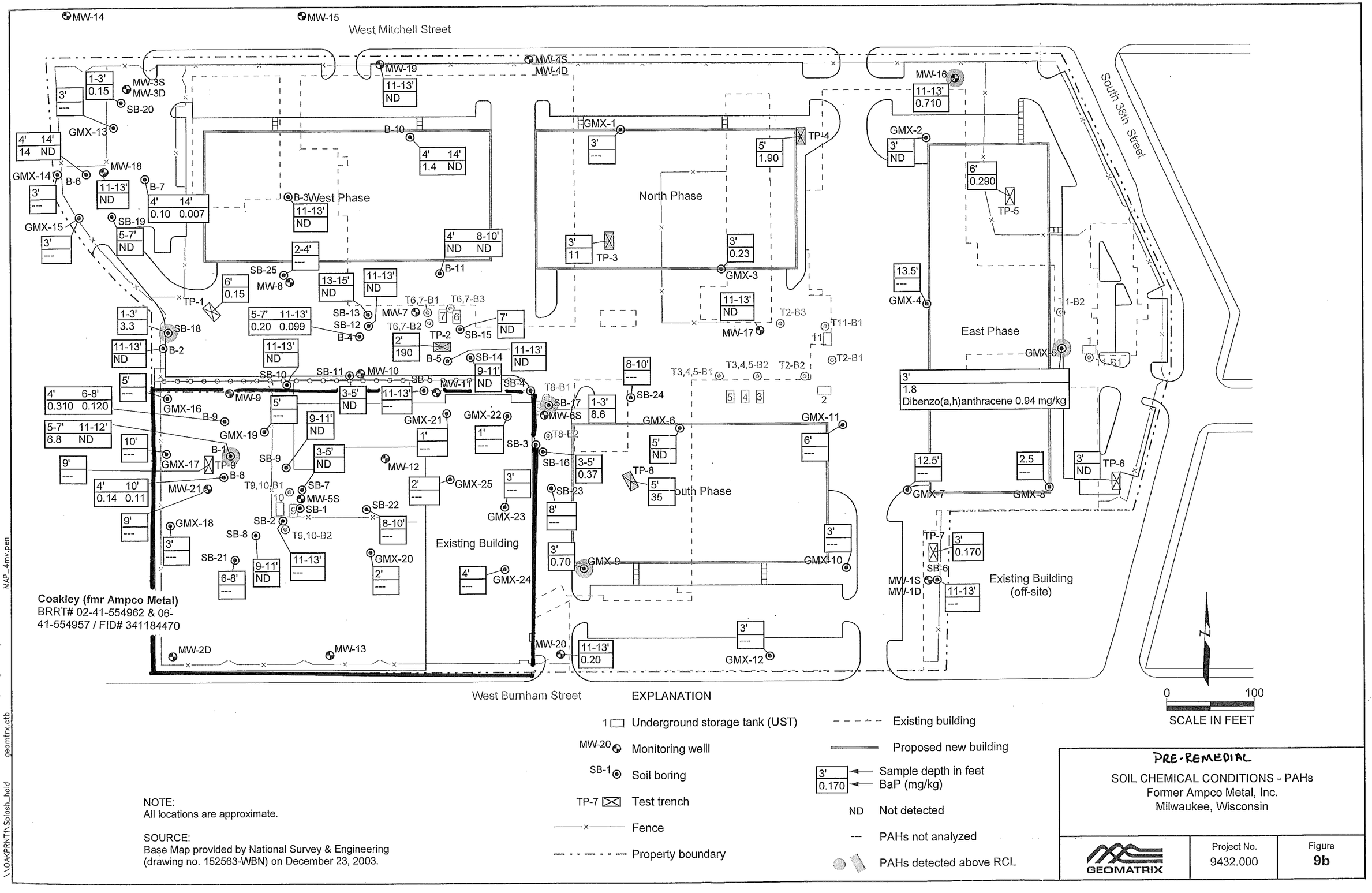
\\OAKPRNT1\Splash_hold geomtrx.ctb MAP_4mv.pen



NOTE:
All locations are approximate.

SOURCE:
Base Map provided by National Survey & Engineering (drawing no. 152563-WBN) on December 23, 2003.

15-MAR-2004 10:30 swessels
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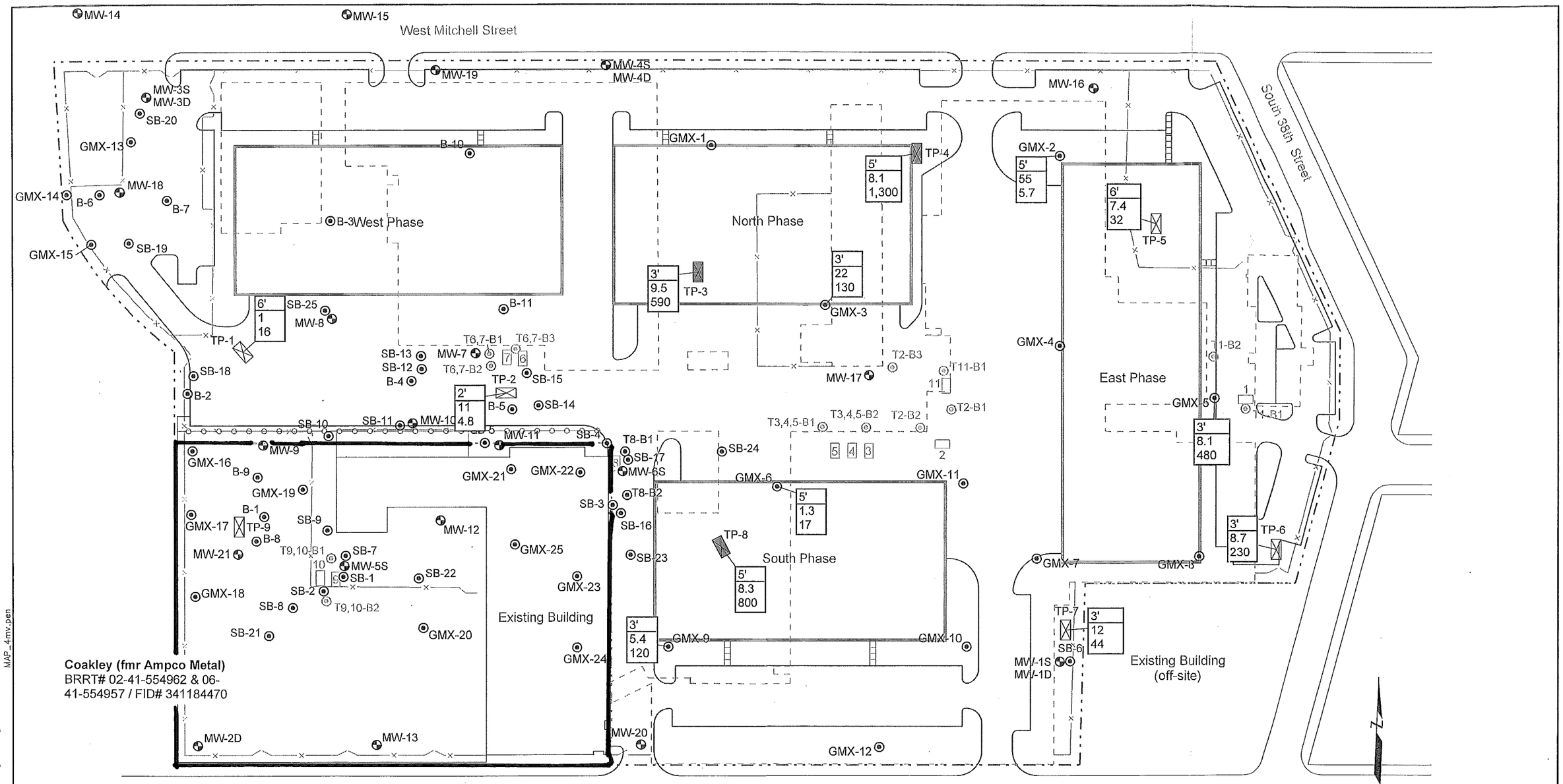

Coakley (fmr Ampco Metal)
BRRT# 02-41-554962 & 06-41-554957 / FID# 341184470

EXPLANATION

- 1 Underground storage tank (UST)
- MW-20 Monitoring welll
- SB-1 Soil boring
- TP-7 Test trench
- Fence
- Property boundary
- Existing building
- Proposed new building
- 5' Sample depth in feet
- 8.3 Arsenic (mg/kg)
- 800 Lead (mg/kg)
- Lead ≥ 500 mg/kg

NOTE:
All locations are approximate.

SOURCE:
Base Map provided by National Survey & Engineering (drawing no. 152563-WBN) on December 23, 2003.

PRE-REMEDIAL

SOIL CHEMICAL CONDITIONS - ARSENIC AND LEAD
Former Ampco Metal, Inc.
Milwaukee, Wisconsin

GEOMATRIX

Project No.	Figure
9432.000	9c

15-MAR-2004 10:42 swessels
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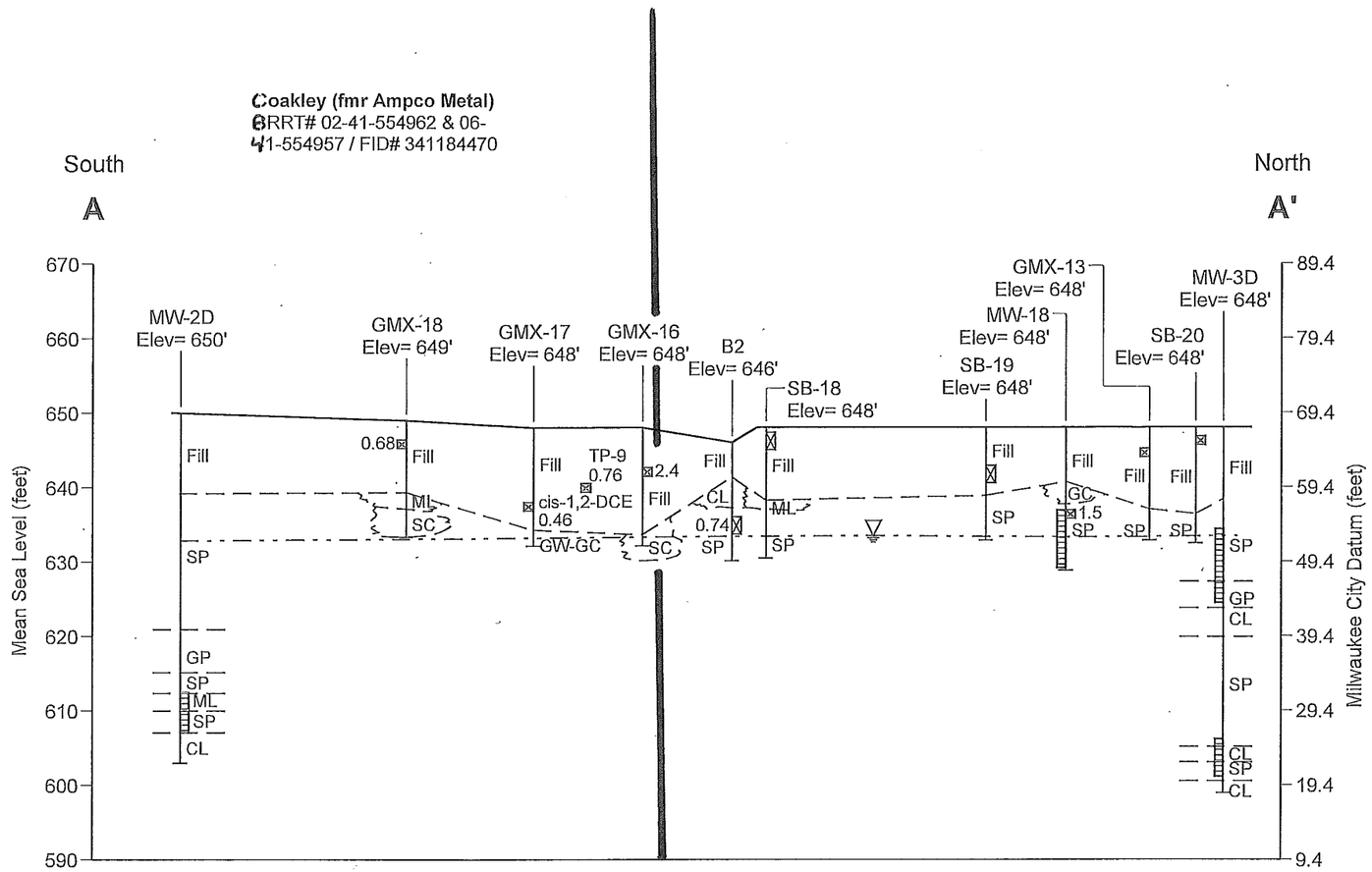
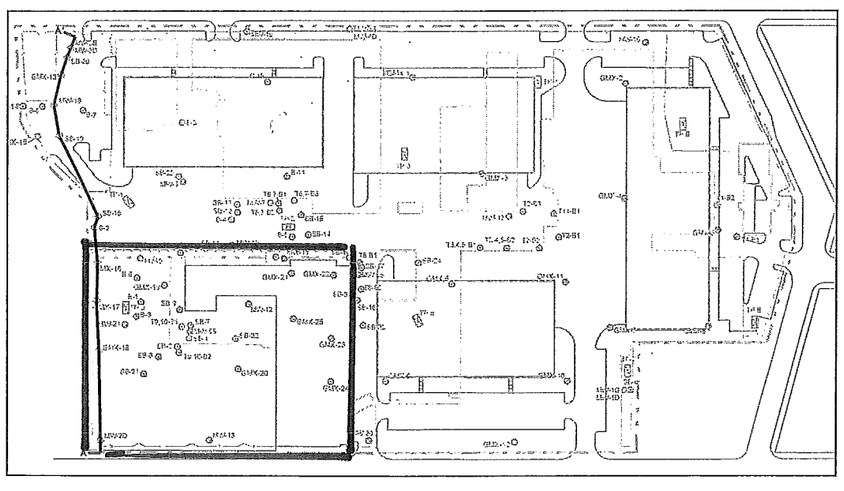
Coakley (fmr Ampco Metal)
BRRT# 02-41-554962 & 06-41-554957 / FID# 341184470





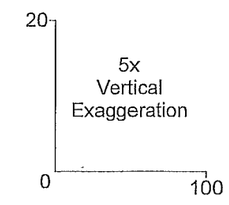
Units are milligrams per kilogram (mg/kg)

Values are TCE concentrations in soil, unless otherwise noted

⊠ Soil sample location. No value indicates there is no detection

Mean sea level = 580.6 + Milwaukee city datum

— · ▽ · · · Water table (typical)



PRE-REMEDIAL

CROSS-SECTION A-A'
Former Ampco Metal, Inc.
Milwaukee, Wisconsin

GEOMATRIX

Project No.
9432.000

Figure 4. Geologic Cross-Section North-South Map – Coakley (Fmr Ampco Metal)

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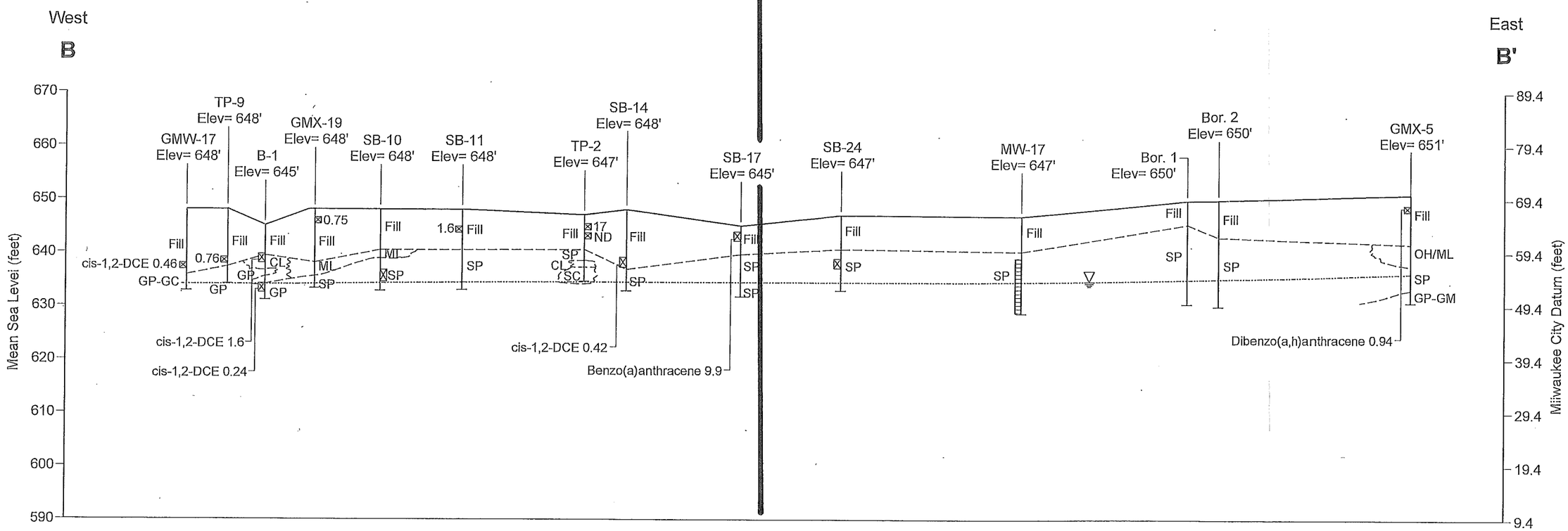
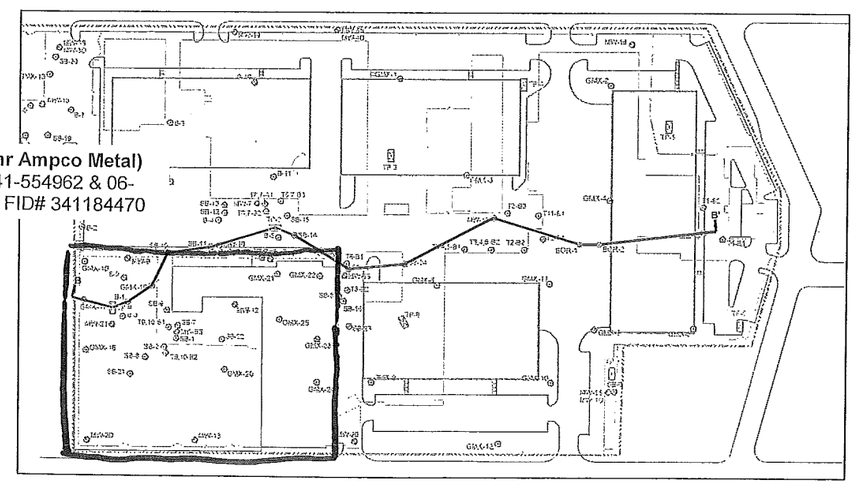




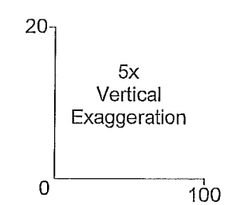
Coakley (fmr Ampco Metal)
BRRT# 02-41-554962 & 06-41-554957 / FID# 341184470

Units are milligrams per kilogram (mg/kg)

Values are TCE concentrations in soil, unless otherwise noted

⊠ Soil sample location. No value indicates there is no detection

Mean sea level = 580.6 + Milwaukee city datum



SCALE IN FEET

PRE-REMEDIAL

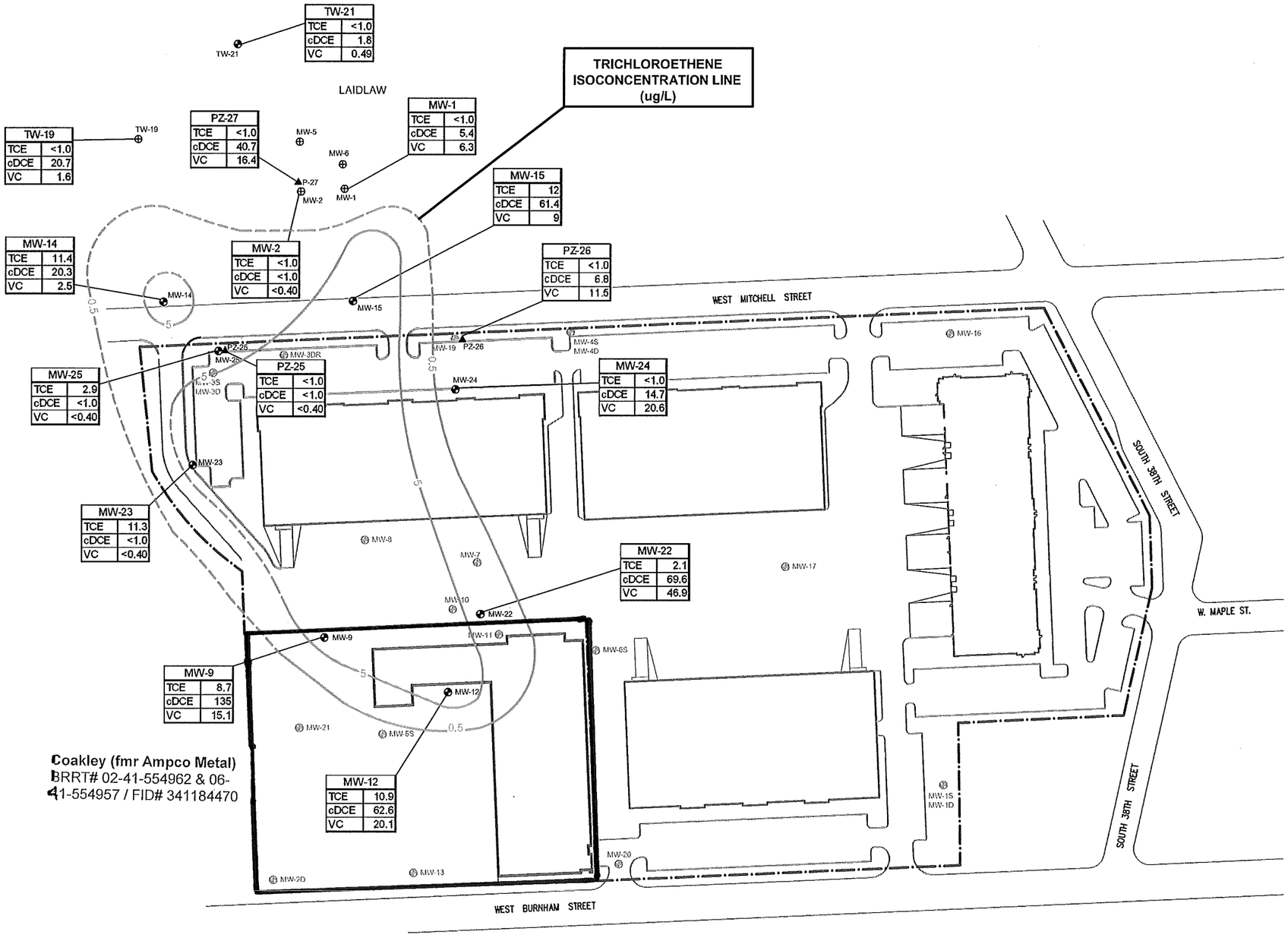
CROSS-SECTION B-B'
Former Ampco Metal, Inc.
Milwaukee, Wisconsin

GEOMATRIX

Project No.
9432.000

Figure 5. Geologic Cross-Section East-West Map – Coakley (Fmr Ampco Metal)

$PENTABLE$$012345
$COLORTABLE$$012345
$USERNAME$$$$
$SYTIME$$901234567
$DGNSPEC$$0123456789012345678 90
$PRINTQUEUE$$012345



EXPLANATION:

- Property Boundary
- MW-25 Monitoring Well
- MW-5 Laidlaw Facility Well
- P-25 Piezometer
- Trichloroethene Isoconcentration Line

Sampling Date
Sampling Date

MW-9	1/2007	9/2007
TCE	28.2	23.1
cDCE	48.9	33.8
VC	1.2	0.94

Detection (micrograms per liter [ug/L])

Chemical
TCE = Trichloroethene
cDCE = cis-Dichloroethene
VC = Vinyl Chloride

	Enforcement Standards	Preventative Action Limits
TCE	5 ug/L	0.5 ug/L
cDCE	70 ug/L	7 ug/L
VC	0.2 ug/L	0.02 ug/L

N

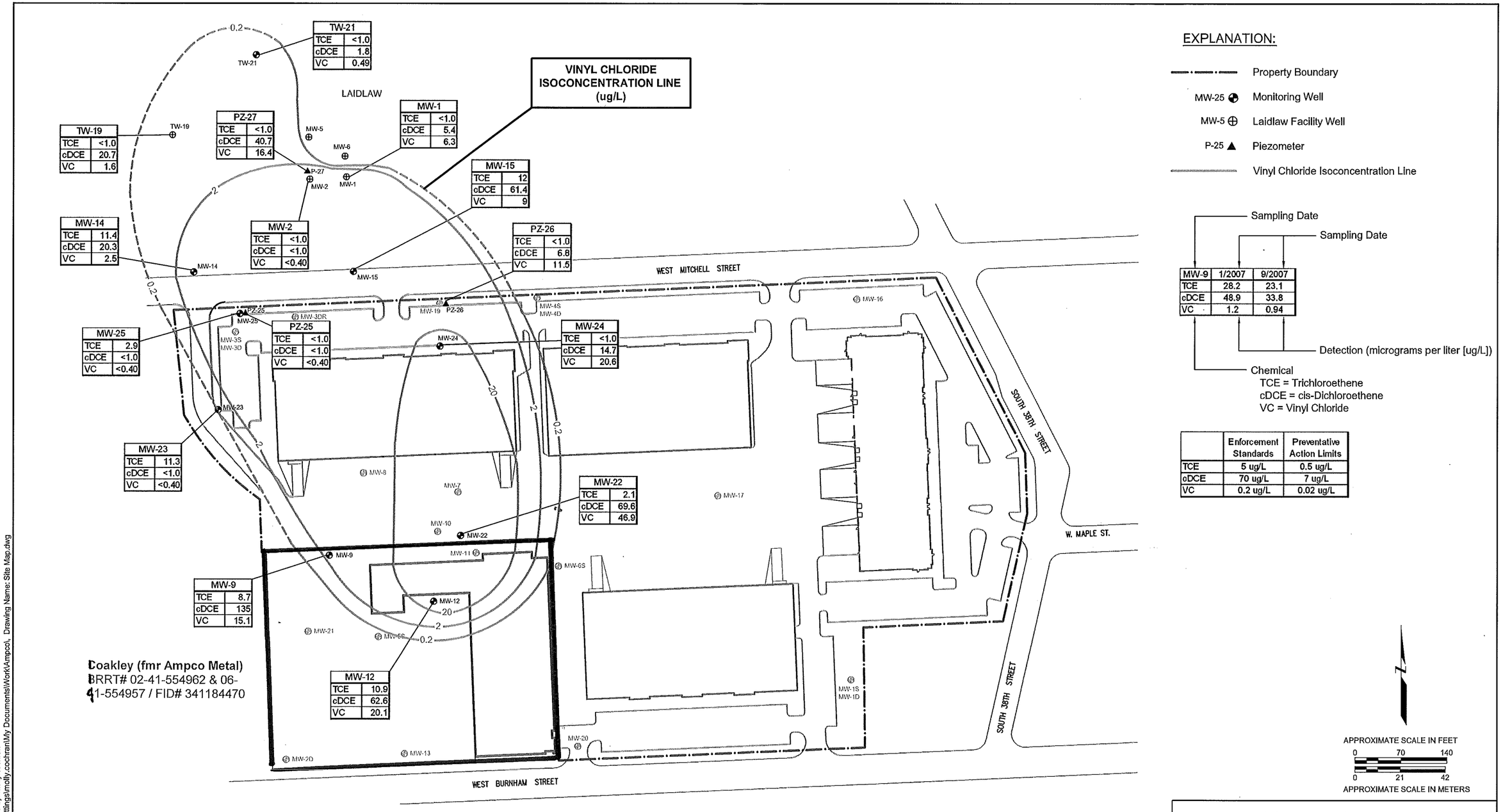
APPROXIMATE SCALE IN FEET
0 70 140
0 21 42
APPROXIMATE SCALE IN METERS

BASEMAP MODIFIED FROM DRAWING PROVIDED BY WELMAN ARCHITECTS, INC DATED APRIL 6, 2007

VOLITILE ORGANIC COMPOUND CONCENTRATIONS IN GROUNDWATER
SEPTEMBER 28, 2009
Former Ampco Metal, Inc.
Milwaukee, Wisconsin

By: MJC	Date: 01/12/11	Project No. 9432.000
AMEC Geomatrix		Figure 3

Plot Date: 01/12/11 - 3:39pm. Plotted by: molly.cochran
Drawing Path: C:\Documents and Settings\molly.cochran\My Documents\Work\Ampco\. Drawing Name: Site Map.dwg



BASEMAP MODIFIED FROM DRAWING PROVIDED BY WELMAN ARCHITECTS, INC DATED APRIL 6, 2007

VOLITILE ORGANIC COMPOUND CONCENTRATIONS IN GROUNDWATER
SEPTEMBER 28, 2009
Former Ampco Metal, Inc.
Milwaukee, Wisconsin

By: MJC	Date: 01/12/11	Project No. 9432.000
AMEC Geomatrix		Figure 3

Plot Date: 01/12/11 - 3:42pm, Plotted by: molly.cochran
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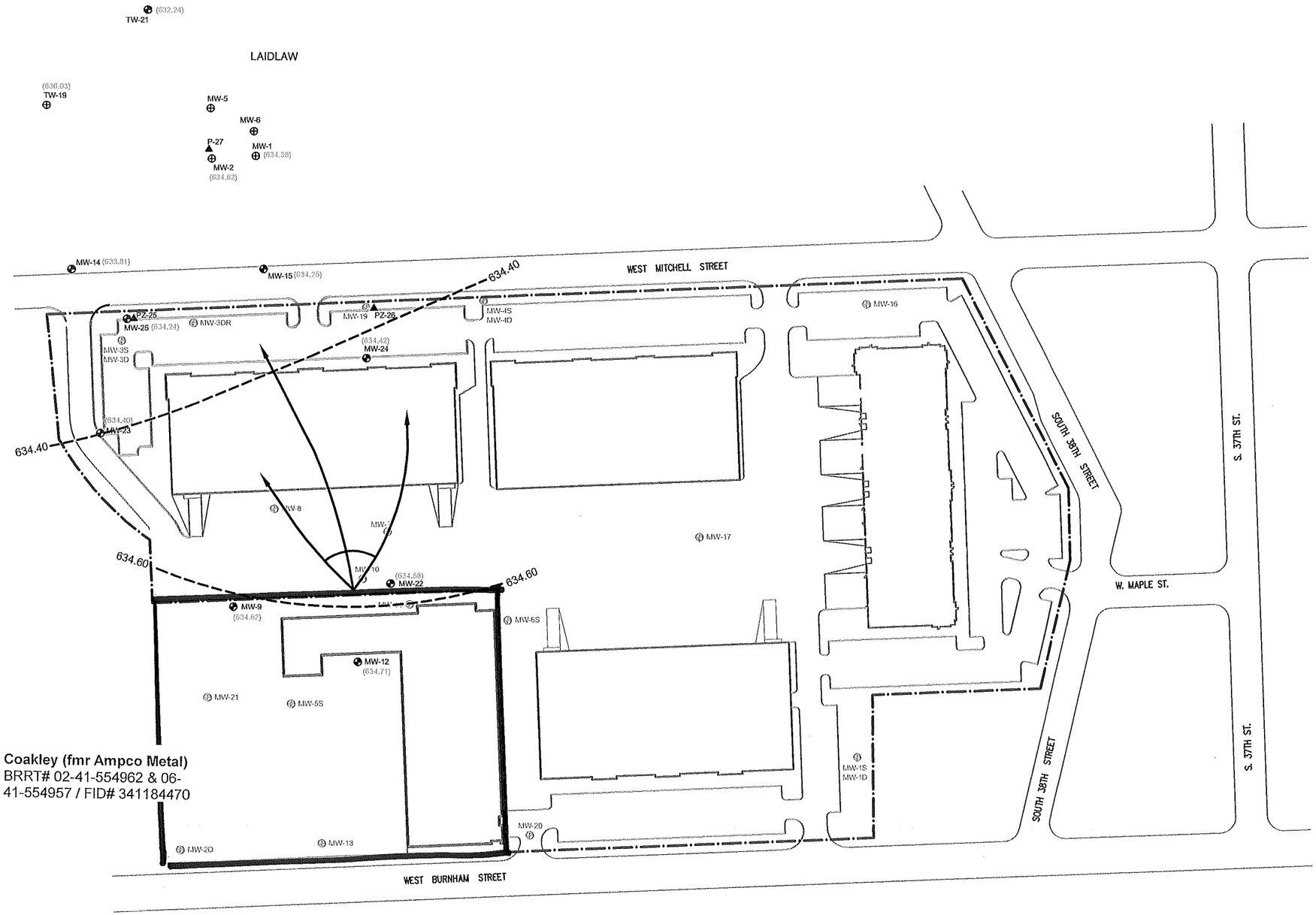

EXPLANATION:

- Property Boundary
- MW-25 — Monitoring Well
- MW-5 — Laidlaw Facility Wells
- P-25 — Piezometer
- (634.42) — Groundwater Elevation (feet above mean sea level)
- 134.00 — Groundwater Contour
- Groundwater Flow Direction
- Maximum Range of observed Groundwater Flow Direction

APPROXIMATE SCALE IN FEET
0 70 140
0 21 42
APPROXIMATE SCALE IN METERS

BASEMAP MODIFIED FROM DRAWING PROVIDED BY WELMAN ARCHITECTS, INC DATED APRIL 6, 2007

GROUNDWATER ELEVATION CONTOUR MAP
SEPTEMBER 28, 2009
Former Ampco Metal, Inc.
Milwaukee, Wisconsin

By: MJC	Date: 10/27/10	Project No. 9432.000
AMEC Geomatrix		Figure 2

Plot Date: 10/27/10 - 11:19am, Plotted by: molly.cochran
Drawing Path: C:\Documents and Settings\molly.cochran\My Documents\Work\Ampco\, Drawing Name: Site Map.dwg

TABLE 3a
SOIL CHEMICAL CONCENTRATIONS, JANUARY 2004 - VOLATILE ORGANICS
Former Ampco Metal Inc.
Milwaukee, Wisconsin

GEOMATRIX

Units are milligrams per kilogram

Sample ID	Depth (feet bgs)	Date	1,2,3-trichlorobenzene	1,2,4-trichlorobenzene	1,2,4-trimethylbenzene	1,2-dichlorobenzene	1,3-dichlorobenzene	1,3,5-trimethylbenzene	Benzene	Chlorobenzene	cis1,2-dichloroethene	Ethylbenzene	Isopropylbenzene	Napthalene	n-Butylbenzene	n-Propylbenzene	Toluene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Xylene, o	Xylenes, m+p
GMX01-3	3	1/15/2004	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
GMX02-5	5	1/14/2004	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.051
GMX03-3	3	1/15/2004	<0.025	<0.025	0.031J	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.076	<0.025	<0.025	0.052J	<0.025	<0.025	<0.025	<0.025	0.030J	<0.050
GMX04-13.5	13.5	1/14/2004	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
GMX05-3	3	1/15/2004	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.067J	<0.025	<0.025	0.029J	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
GMX06-5	5	1/14/2004	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
GMX07-12.5	12.5	1/16/2004	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.075
GMX07-4	4	1/16/2004	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.058
GMX08-2.5	2.5	1/16/2004	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
GMX09-3	3	1/14/2004	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.24	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
GMX10-3	3	1/19/2004	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
GMX11-6	6	1/16/2004	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.070
GMX12-3	3	1/19/2004	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
GMX13-3	3	1/16/2004	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.036J	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
GMX14-3	3	1/16/2004	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.210	<0.025	<0.025	<0.050
GMX14-6	6	1/16/2004	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	24	<0.100	<0.100	<0.100	<0.100	<0.100	0.480	<0.100	<0.100	<0.200
GMX15-3	3	1/16/2004	<0.026	<0.026	0.031J	<0.026	<0.026	<0.026	<0.026	<0.026	0.048J	<0.026	<0.026	0.087	<0.026	<0.026	0.031J	<0.026	<0.026	0.097	<0.026	<0.026	<0.053
GMX16-5	5	1/12/2004	0.047J	0.210	0.053J	<0.026	<0.026	0.031J	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	2.4	<0.026	<0.026	<0.052
GMX17-10	10	1/12/2004	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	0.46	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	0.073J	<0.033	<0.033	<0.033	<0.033	<0.066
GMX18-3	3	1/12/2004	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.68	<0.025	<0.025	<0.050
GMX19-2	2	1/12/2004	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.031J	<0.025	<0.025	<0.025	<0.025	<0.025	0.75	<0.025	<0.025	<0.050
GMX20-2	2	1/12/2004	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.040J	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
GMX21-3	3	1/16/2004	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.039J	0.980	<0.025	<0.025	<0.050
GMX22-1	1	1/16/2004	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.091	<0.025	<0.025	<0.050
GMX23-3	3	1/17/2004	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
GMX24-4	4	1/17/2004	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.059
GMX25-2	2	1/16/2004	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.054J	<0.025	<0.025	<0.050
MW21-9	9	1/16/2004	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.038J	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
TP1-6	6	1/14/2004	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.061
TP2-2	2	1/15/2004	<0.043	<0.043	0.94	<0.043	<0.043	0.22	0.41	<0.043	3.9	0.33	0.100J	4.8	0.075J	0.120J	1.6	0.28	<0.043	17	<0.043	1.1	1.7
TP2-4	4	1/15/2004	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.050J	<0.025	<0.025	<0.050
TP2A-2	2	1/14/2004	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.15	<0.025	<0.025	0.063J	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.084	<0.025	<0.050
TP3-3	3	1/13/2004	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.099	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
TP4-5	5	1/14/2004	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	0.044J	<0.029	<0.029	0.035J	<0.029	<0.029	<0.029	<0.029	<0.029	<0.057
TP5-6	6	1/13/2004	<0.031	<0.031	<0.031	<0.031	<0.031	<0.031	<0.031	0.047J	<0.031	<0.031	<0.031	0.051J	<0.031	<0.031	<0.031	<0.031	<0.031	<0.031	<0.031	<0.031	<0.062
TP6-3	3	1/13/2004	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
TP7-10	10	1/15/2004	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.068
TP7-12	12	1/15/2004	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.061J	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
TP7-3	3	1/15/2004	<0.028	<0.028	0.078	0.17	0.19	<0.028	0.056J	<0.028	<0.028	0.040J	<0.028	0.16	<0.028	0.038J	0.17	<0.028	10	0.076J	<0.028	0.12	0.14J
TP8-5	5	1/14/2004	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	0.16	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.056
TP9-9	9	1/14/2004	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.29	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.029J	<0.025	0.76	<0.025	<0.025	<0.050
Maximum			0.047J	0.210	0.94	0.17	0.19	0.22	0.41	0.061J	3.9	0.33	0.100J	24	0.075J	0.120J	1.6	0.28	10	17	0.084	1.1	1.7

J - Value is estimated.
NA - Not Analyzed

GEOMATRIX

TABLE 3b
SOIL CHEMICAL CONCENTRATIONS, JANUARY 2004 - PAHs
Former Ampco Metal, Inc.
Milwaukee, Wisconsin

Units are in millograms per kilograms

Sample ID	Depth (feet bgs)	Date	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)flouranthene	Benzo(g,h,i)perylene	Benzo(k)flouranthene	Carbazole	Chrysene	Dibenzo(a,h)anthracene	Dibenzofuran	Flouranthene	Flourene	Indeno(1,2,3-cd)pyrene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
GMX2-5	5	1/14/2004	<0.140	<0.150	<0.180	<0.120	<0.056	<0.160	<0.160	<0.130	<0.150	<0.120	<0.067	<0.160	<0.150	<0.170	<0.230	<0.120	<0.150	<0.170	<0.120
GMX3-3	3	1/15/2004	<0.140	<0.150	<0.180	0.240J	0.230J	0.310J	0.310J	0.250J	<0.150	0.230J	<0.067	<0.160	0.240J	<0.170	0.310J	0.210J	0.150J	0.270J	0.360J
GMX5-3	3	1/15/2004	<0.140	<0.150	<0.190	1.9	1.8	3.1	2.2	2.7	<0.150	3.3	0.94	<0.160	1.5	<0.170	2.2	<0.120	<0.150	0.74	2.4
GMX6-5	5	1/14/2004	<0.140	<0.160	<0.190	<0.130	<0.058	<0.170	<0.160	<0.130	<0.160	<0.130	<0.069	<0.170	<0.150	<0.170	<0.240	<0.130	<0.150	<0.180	<0.130
GMX9-3	3	1/14/2004	<0.140	<0.150	0.290J	0.67	0.70	0.69	0.85	0.60	<0.150	0.74	0.190J	<0.170	0.75	<0.170	0.640J	<0.130	<0.150	0.99	1.50
TP1-6	6	1/14/2004	<0.140	<0.150	<0.180	0.140J	0.150J	<0.160	0.230J	<0.130	<0.150	<0.120	<0.066	<0.160	<0.140	<0.160	<0.220	<0.120	<0.140	0.230J	0.340J
TP2-2	2	1/15/2004	<13	17J	54J	160	190	94	110	130	<14	180	26	<15	260	67	97	27	16	230	400
TP3-3	3	1/13/2004	<0.730	<0.790	1.50J	13	11	11	6.9	11	<0.790	17	2.7	<0.850	18	<0.880	8	<0.640	<0.760	5.5	16
TP4-5	5	1/14/2004	<0.140	<0.150	<0.190	1.40	1.90	2.30	2.70	1.90	<0.150	2.10	0.80	<0.160	0.95	<0.170	2.30	<0.120	0.170J	0.80	1.70
TP5-6	6	1/13/2004	<0.150	<0.160	<0.190	0.290J	0.36	0.300J	0.92	0.310J	<0.160	0.270J	0.170J	<0.170	0.240J	<0.180	0.530J	0.140J	<0.150	0.390J	0.510J
TP6-3	3	1/13/2004	<0.150	<0.160	<0.200	<0.130	<0.060	<0.170	<0.170	<0.140	<0.160	<0.130	<0.072	<0.170	<0.160	<0.180	<0.250	<0.130	<0.160	<0.190	<0.160
TP7-3	3	1/15/2004	<0.140	<0.150	<0.180	0.140J	0.170J	0.190J	0.190J	0.190J	<0.150	0.170J	<0.067	<0.160	0.190J	<0.170	<0.230	<0.120	<0.140	<0.170	0.270J
TP8-5	5	1/14/2004	16	<0.240	36	43	35	28	19	30	14	47	6.9	12	79	18	22	7.1	19	94	67
Maximum			16	17J	54J	160	190	94	110	130	14	180	26	12	260	67	97	27	19	230	400

J - Value is estimated.
NA - Not Analyzed

TABLE 1
DETECTED CONSTITUENTS IN ERM SOIL BORING SAMPLES
AMPCO METALS, INC.
MILWAUKEE, WISCONSIN

BORING NUMBER DEPTH (feet bgs) DATE SAMPLED	SB-2 11-13' 4/5/1991	SB-5 11-13' 4/5/1991	SB-6 11-13' 12/23/1993	SB-7 3-5' 12/22/1993	SB-8 9-11' 12/22/1993	SB-9 9-11' 12/21/1993	SB-10 11-13' 12/21/1993	SB-11 3-5' 12/21/1993	SB-12 11-13' 12/20/1993	SB-13 13-15' 12/21/1993	SB-14 9-11' 12/21/1993	SB-15 7-9' 12/21/1993	SB-16 3-5' 12/20/1993
VOCs (mg/kg)													
ACETONE	na	na	<0.011	0.4	0.3	<0.010	<0.010	0.045	<0.010	<0.010	2.6	0.072	<0.012
2-BUTANONE	na	na	<0.011	0.089	0.082	<0.010	<0.010	<0.010	<0.010	<0.010	1.3	<0.013	0.026
CARBON DISULFIDE	na	na	<0.0055	<0.006	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.016	<0.0063	<0.0059
CHLOROBENZENE	<0.05	<0.05	0.083	<0.006	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.016	<0.0063	<0.0059
cis-1,2-DICHLOROETHENE	na	na	0.034	0.0079	0.048	0.020	0.019	0.400	0.007	0.016	0.420	<0.0063	0.600
trans-1,2-DICHLOROETHENE	<0.05	<0.05	<0.0055	<0.006	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	0.022	<0.0063	0.035
ETHYLBENZENE	<0.05	<0.05	<0.0055	<0.006	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.016	<0.0063	<0.0059
4-METHYL-2-PENTANONE	na	na	<0.0055	<0.006	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.016	<0.0063	<0.0059
TETRACHLOROETHENE	<0.05	<0.05	<0.0055	<0.006	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.016	<0.0063	<0.0059
TOLUENE	<0.05	<0.05	<0.0055	0.0093	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.016	<0.0063	<0.0059
1,1,1-TRICHLOROETHANE	<0.05	<0.05	<0.0055	<0.006	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	0.017	<0.0063	0.0068
TRICHLOROETHENE	0.05	0.82	<0.0055	0.013	0.072	<0.0055	0.020	<0.0055	<0.0055	<0.0055	<0.016	<0.0063	<0.0059
VINYL CHLORIDE	<0.05	<0.05	<0.0055	0.056	0.018	<0.0055	1.6	0.180	0.071	0.430	0.110	<0.0063	0.490
TOTAL XYLENES	na	na	<0.0055	<0.006	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.016	<0.0063	<0.0059
PAHs (mg/kg)													
ACENAPHTHENE	na	na	<0.1	<0.7	<0.1	<0.1	<0.1	<0.1	<0.11	<0.1	<0.25	<0.1	<0.12
ACENAPHTHYLENE	na	na	<0.1	<0.7	<0.1	<0.1	<0.1	<0.1	<0.11	<0.1	<0.25	<0.1	<0.12
ANTHRACENE	na	na	<0.1	<0.7	<0.1	<0.1	<0.1	<0.1	<0.11	<0.1	<0.25	<0.1	<0.12
BENZO(A)ANTHRACENE	na	na	<0.1	<0.7	<0.1	<0.1	<0.1	<0.1	<0.11	<0.1	<0.25	<0.1	0.42
BENZO(B)FLUORANTHENE	na	na	<0.1	<0.7	<0.1	<0.1	<0.1	<0.1	<0.11	<0.1	<0.25	<0.1	0.44
BENZO(K)FLUORANTHENE	na	na	<0.1	<0.7	<0.1	<0.1	<0.1	<0.1	<0.11	<0.1	<0.25	<0.1	0.22
BENZO(G,H,I)PERYLENE	na	na	<0.1	<0.7	<0.1	<0.1	<0.1	<0.1	<0.11	<0.1	<0.25	<0.1	0.18
BENZO(A)PYRENE	na	na	<0.1	<0.7	<0.1	<0.1	<0.1	<0.1	<0.11	<0.1	<0.25	<0.1	0.37
CHRYSENE	na	na	<0.1	<0.7	<0.1	<0.1	<0.1	<0.1	<0.106	<0.1	<0.25	0.1	0.44
FLUORANTHENE	na	na	<0.1	<0.7	<0.1	<0.1	<0.1	<0.1	<0.106	<0.1	<0.25	0.2	0.52
FLUORENE	na	na	<0.1	<0.7	<0.1	<0.1	<0.1	<0.1	<0.106	<0.1	<0.25	<0.1	<0.118
INDENO(1,2,3-CD)PYRENE	na	na	<0.1	<0.7	<0.1	<0.1	<0.1	<0.1	<0.106	<0.1	<0.25	<0.1	0.21
NAPHTHALENE	na	na	<0.1	<0.7	<0.1	<0.1	<0.1	<0.1	<0.106	<0.1	<0.25	<0.1	<0.118
N-NITROSO-DI-N-PROPYLAMINE	na	na	<0.1	<0.7	<0.1	<0.1	<0.1	<0.1	<0.106	<0.1	<0.25	<0.1	<0.118
PHENANTHRENE	na	na	<0.1	<0.7	<0.1	<0.1	<0.1	<0.1	<0.106	<0.1	<0.25	0.22	0.18
PYRENE	na	na	<0.1	<0.7	<0.1	<0.1	<0.1	<0.1	<0.106	<0.1	<0.25	0.14	0.58

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ABLE 1
DETECTED CONSTITUENTS IN ERM SOIL BORING SAMPLES
AMPCO METALS, INC.
MILWAUKEE, WISCONSIN

BORING NUMBER DEPTH (feet bgs) DATE SAMPLED	SB-17 1-3' 12/20/1993	SB-18 1-3' 12/22/1993	SB-19 5-7' 12/22/1993	SB-20 1-3' 12/22/1993	SB-21 6-8' 2/1/1994	SB-22 8-10' 1/27/1994	SB-23 8-10' 1/17/1994	SB-24 8-10' 2/1/1994	SB-25 2-4' 1/26/1994	SB-25 10-12' 1/26/1994
VOCs (mg/kg)										
ACETONE	<0.012	<0.011	<0.010	<0.011	<0.010	<0.011	<0.012	<0.010	<0.010	<0.010
2-BUTANONE	<0.012	<0.011	<0.010	<0.011	<0.010	<0.011	<0.012	<0.010	<0.010	<0.010
CARBON DISULFIDE	<0.0058	<0.0055	<0.005	<0.0055	<0.005	<0.0055	<0.006	<0.005	0.051	<0.005
CHLOROBENZENE	<0.0058	<0.0055	<0.005	<0.0055	<0.005	<0.0055	<0.006	<0.005	<0.005	<0.005
cis-1,2-DICHLOROETHENE	<0.0058	<0.0055	<0.005	<0.0055	0.130	<0.0055	<0.006	<0.005	0.076	<0.005
trans-1,2-DICHLOROETHENE	<0.0058	<0.0055	<0.005	<0.0055	<0.005	<0.0055	<0.006	<0.005	<0.005	<0.005
ETHYLBENZENE	<0.0058	<0.0055	<0.005	<0.0055	<0.005	<0.0055	0.070	<0.005	<0.005	<0.005
4-METHYL-2-PENTANONE	<0.0058	<0.0055	<0.005	<0.0055	0.140	<0.0055	<0.006	<0.005	<0.005	<0.005
TETRACHLOROETHENE	<0.0058	<0.0055	<0.005	<0.0055	<0.005	<0.0055	<0.006	<0.005	0.017	<0.005
TOLUENE	<0.0058	<0.0055	<0.005	<0.0055	<0.005	<0.0055	0.013	<0.005	<0.005	<0.005
1,1,1-TRICHLOROETHANE	<0.0058	<0.0055	<0.005	<0.0055	<0.005	<0.0055	<0.006	<0.005	<0.005	<0.005
TRICHLOROETHENE	0.110	0.026	<0.005	<0.0055	0.420	<0.0055	0.012	<0.005	0.670	0.220
VINYL CHLORIDE	<0.0058	<0.0055	<0.005	<0.0055	<0.005	<0.0055	<0.006	<0.005	<0.005	<0.005
TOTAL XYLENES	<0.0058	<0.0055	<0.005	<0.0055	<0.005	<0.0055	0.055	<0.005	<0.005	<0.005
PAHs (mg/kg)										
ACENAPHTHENE	1.8	<0.77	<0.1	<0.11	na	na	na	na	na	na
ACENAPHTHYLENE	<0.8	2.1	<0.1	<0.11	na	na	na	na	na	na
ANTHRACENE	5.1	<0.77	<0.1	<0.11	na	na	na	na	na	na
BENZO(A)ANTHRACENE	9.9	2.3	<0.1	0.18	na	na	na	na	na	na
BENZO(B)FLUORANTHENE	9.3	3.2	<0.1	0.14	na	na	na	na	na	na
BENZO(K)FLUORANTHENE	4.8	1.2	<0.1	0.12	na	na	na	na	na	na
BENZO(G,H,I)PERYLENE	4.8	3.5	<0.1	<0.11	na	na	na	na	na	na
BENZO(A)PYRENE	8.6	3.3	<0.1	0.15	na	na	na	na	na	na
CHRYSENE	10	3	<0.1	0.19	na	na	na	na	na	na
FLUORANTHENE	18	2.9	<0.1	0.3	na	na	na	na	na	na
FLUORENE	1.8	<0.77	<0.1	<0.11	na	na	na	na	na	na
INDENO(1,2,3-CD)PYRENE	5.5	3	<0.1	<0.11	na	na	na	na	na	na
NAPHTHALENE	1.5	<0.77	<0.1	<0.11	na	na	na	na	na	na
N-NITROSO-DI-N-PROPYLAMINE	<0.798	4.9	<0.1	<0.11	na	na	na	na	na	na
PHENANTHRENE	15	1.5	<0.1	0.12	na	na	na	na	na	na
PYRENE	18	4.5	<0.1	0.21	na	na	na	na	na	na

TABLE 2-4

SOIL SAMPLE RESULTS
ERM PHASE II ENVIRONMENTAL ASSESSMENT[1,2]
AMPCO METALS, INC.
MILWAUKEE, WISCONSIN

Boring No. Sample Depth[3] Sample Date Parameter[4]	SB-2 11 to 13 4/5/91	SB-3 5 to 7 4/5/91	SB-4 11 to 13 4/5/91	SB-5 11 to 13 4/5/91
Trichloroethene	50	NA	NA	820
Total Petroleum Hydrocarbons	NA	ND	ND	NA

Notes:

(1) All units are in $\mu g/kg$.
(2) See Figure 2-2 for soil boring locations.
(3) All depths in feet below ground surface.
(4) Only compounds detected are listed.

Key:

NA = Not Analyzed.
ND = Not Detected.

TABLE 1
SOIL ANALYTICAL RESULTS - VOCs
AMPCO METALS
1745 South 38th Street, Milwaukee, Wisconsin

SAMPLE IDENTIFICATION, DEPTH, AND DATE			PARAMETERS														
			sec-Butylbenzene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	p-Isopropyltoluene	Naphthalene	n-Propylbenzene	Tetrachloroethene	Toluene	1,2,4-Trimethylbenzene	Trichloroethene	1,3,5-Trimethylbenzene	Xylenes, -m, -p	Xylenes,-o
RCL/SSL			NL	0.4 [2]	0.7 [2]	2.9 [1]	NL	NL	84 [2]	NL	0.06 [2]	1.5 [1]	NL	0.06 [2]	NL	4.1* [1]	
MW-16	11-13	6/10/2002	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	**0.047**	<0.025	<0.025	<0.025	<0.025	**0.054**	<0.025	**0.031**	<0.025
MW-17	11-13	6/10/2002	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
MW-18	11-13	6/10/2002	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	**1.5**	<0.025	<0.025	<0.025
MW-19	11-13	6/10/2002	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	**0.300**	<0.025	<0.025	<0.025
MW-20	11-13	6/10/2002	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
MW-20	DUP	6/10/2002	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
B-1	5-7	6/11/2002	**0.063**	**1.6**	**0.070**	**0.040**	**0.044**	**0.049**	**0.320**	**0.036**	<0.025	**0.07**	**0.63**	**0.140**	**0.320**	**0.150**	**0.200**
B-1	11-12	6/11/2002	<0.025	**0.240**	**0.037**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	**0.041**	<0.025	<0.025	<0.025
B-2	11-13	6/11/2002	<0.025	**0.034**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	**0.610**	<0.025	<0.025	**0.740**	<0.025	<0.025	<0.025
B-3	11-13	6/11/2002	<0.025	**0.047**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	**0.440**	<0.025	<0.025	<0.025
B-4	5-7	6/11/2002	<0.025	**0.370**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	**0.260**	<0.025	<0.025	<0.025
B-4	11-13	6/11/2002	<0.025	**0.760**	**0.067**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	**0.120**	<0.025	<0.025	<0.025
B-5	11-13	6/11/2002	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	**0.550**	<0.025	<0.025	<0.025

All concentrations are in mg/kg (parts per million, ppm).

[1] RCL obtained from Wisconsin Administrative Code NR 720 Table 1

[2] SSL obtained from EPA Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites, Peer Review Draft, Appendix A, Exhibit A-2, OSWER 9355.4-24, March 2001, DAF=20 (for source areas <0.5 acres).

* Indicates that parameters are combined on the corresponding RCL table.

NL = Parameter not listed.

Concentrations highlighted and in bold indicate an exceedance of the corresponding RCL.

SSL = Soil Screening Level

RCL = Residual Contaminant Level

Concentrations bold indicate levels above laboratory reporting limit.

TABLE 2
SOIL ANALYTICAL RESULTS - PAHs
AMPCO METALS
1745 South 38th Street, Milwaukee, Wisconsin

SAMPLE IDENTIFICATION, DEPTH, AND DATE			PARAMETERS																
			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
RCL			38	0.7	3000	17	48	360	6800	870	37	38	500	100	680	23	20	0.4	1.8	8700
MW-16	11-13	6/10/2002	<0.018	**0.110**	**0.110**	**0.510**	**0.710**	**0.730**	**0.580**	**0.390**	**0.490**	**0.190**	**0.590**	**0.015**	**0.550**	**0.049**	**0.069**	**0.088**	**0.260**	**0.660**
MW-17	11-13	6/10/2002	<0.017	<0.013	<0.012	<0.014	<0.013	<0.011	<0.012	<0.013	<0.014	<0.011	<0.011	<0.013	<0.012	<0.014	**0.013**	**0.052**	**0.024**	<0.012
MW-18	11-13	6/10/2002	<0.017	<0.013	<0.012	<0.014	<0.013	<0.011	<0.012	<0.013	<0.014	<0.011	<0.011	<0.013	<0.012	<0.015	<0.012	<0.018	<0.011	<0.012
MW-19	11-13	6/10/2002	<0.017	<0.013	<0.013	<0.014	<0.013	<0.012	<0.012	<0.014	<0.014	<0.012	<0.011	<0.013	<0.012	<0.015	<0.013	<0.018	<0.012	<0.013
MW-20	11-13	6/10/2002	<0.025	<0.029	**0.027**	**0.170**	**0.200**	**0.170**	**0.140**	**0.190**	**0.190**	**0.029**	**0.250**	<0.019	**0.160**	<0.022	<0.018	<0.026	**0.065**	**0.270**
MW-20	DUP	6/10/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-1	5-7	6/11/2002	**1.5**	**0.770**	**4.0**	**7.7**	**6.8**	**5.9**	**4.2**	**6.8**	**8.4**	**1.6**	**17**	**3.0**	**4.5**	**1.7**	**1.2**	<0.970	**17**	**16**
B-1	11-12	6/11/2002	<0.017	<0.013	<0.012	<0.014	<0.013	<0.011	<0.012	<0.013	<0.014	<0.011	<0.011	<0.013	<0.012	**0.021**	**0.031**	<0.018	**0.015**	<0.012
B-2	11-13	6/11/2002	<0.017	<0.013	<0.013	<0.014	<0.013	<0.012	<0.012	<0.014	<0.014	<0.012	<0.011	<0.013	<0.012	<0.015	<0.013	<0.018	<0.012	<0.013
B-3	11-13	6/11/2002	<0.017	<0.013	<0.012	<0.014	<0.013	<0.011	<0.012	<0.013	<0.014	<0.011	<0.011	<0.013	<0.012	<0.014	<0.012	<0.017	<0.011	<0.012
B-4	5-7	6/11/2002	<0.089	**0.100**	<0.065	**0.078**	**0.200**	**0.190**	**0.250**	**0.086**	**0.160**	<0.059	<0.057	<0.067	**0.230**	<0.076	<0.065	<0.092	<0.059	**0.290**
B-4	11-13	6/11/2002	<0.088	**0.088**	<0.064	<0.072	**0.099**	**0.110**	**0.230**	<0.069	<0.072	<0.059	<0.056	<0.067	**0.220**	<0.075	<0.064	<0.091	<0.059	<0.064
B-5	11-13	6/11/2002	<0.017	<0.013	<0.012	<0.014	<0.013	<0.011	<0.012	<0.014	<0.014	<0.011	<0.011	<0.013	<0.012	<0.015	<0.012	<0.018	<0.011	<0.012

All concentrations are in mg/kg (parts per million, ppm).
NA = Parameter Not Analyzed
NL = Parameter not listed.
RCL = Residual contaminant level obtained from Wisconsin Department of Natural Resources Soil Cleanup Levels for PAHs Interim Guidance.
Concentrations highlighted and in bold indicate an exceedance of the corresponding RCL.
Concentrations in bold indicate levels above laboratory reporting limits.

TABLE 1
ADDITIONAL SOIL ANALYTICAL RESULTS - VOCs and PAHs
AMPCO METALS
1745 South 38th Street
Milwaukee, Wisconsin

SAMPLE IDENTIFICATION, DEPTH, AND DATE			PARAMETERS																				
			VOCs		PAHs																		
			Naphthalene	Trichloroethene	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
Site Specific RCL/SSL		Direct Contact	1.5	0.64	1.8	2.1	5.1	9.205	0.923	9.17	4.8	4.8	10	0.37 [2]	18	1.8	5.5	70,000 [2]	40,000 [2]	1.5	15	18
		Soil to Groundwater	739	0.05	38	0.7	3000	17	48	360	6800	870	374	38	500	100	680	23	20	739	13.9	2,616
B-6	4	5/8/2003	0.041	0.21	<0.590	<0.970	<0.590	6.4	14	20	13	18	9.9	5.0	2.7	<0.320	13	<0.380	<0.400	<0.400	0.53	2.90
B-6	14	5/8/2003	<25	1.30	<0.011	<0.019	<0.011	<0.0062	<0.0062	<0.0067	<0.012	<0.0093	0.010	<0.0077	<0.0033	<0.0062	<0.011	<0.0075	<0.0076	<0.0076	<0.0088	<0.013
B-7	4	5/8/2003	<25	0.16	<0.013	<0.021	0.035	0.081	0.100	0.100	0.052	0.099	0.099	0.015	0.160	0.0088	0.049	0.024	0.028	0.024	0.160	0.160
B-7	14	5/8/2003	<25	0.16	<0.011	<0.019	<0.011	<0.0062	0.007	<0.0067	<0.012	<0.0093	0.014	<0.0076	<0.0032	<0.0062	<0.011	<0.0072	<0.0077	<0.0077	0.017	<0.013
B-8	4	5/8/2003	0.098	1.20	0.020	<0.091	0.015	0.066	0.140	0.190	0.150	0.110	0.100	0.038	0.086	0.011	0.130	0.063	0.110	0.077	0.088	0.077
B-8	10	5/8/2003	<25	0.43	<0.012	<0.020	0.015	0.056	0.110	0.130	0.089	0.120	0.086	0.024	0.091	<0.0066	0.081	0.029	0.047	0.027	0.080	0.081
B-9	4	5/8/2003	<25	1.00	<0.012	<0.020	0.015	0.110	0.310	0.320	0.260	0.200	0.150	0.068	0.110	<0.0067	0.240	<0.0078	0.0098	0.012	0.049	0.130
B-9	6-8	5/8/2003	<25	0.98	<0.012	<0.019	0.014	0.031	0.120	0.130	0.140	0.079	0.052	0.035	0.055	<0.0064	0.110	0.010	0.015	0.0096	0.080	0.049
B-10	4	5/8/2003	<25	0.67	0.036	0.048	0.130	0.810	1.4	2.0	1.0	1.2	1.1	0.340	1.1	0.038	0.950	0.067	0.110	0.093	0.410	1.000
B-10	14	5/8/2003	<25	0.20	<0.012	<0.019	<0.012	<0.0063	<0.0063	<0.0068	<0.013	<0.0094	<0.0072	<0.0078	<0.004	<0.0063	<0.012	<0.0073	<0.0079	<0.0079	<0.0089	<0.014
B-11	4	5/8/2003	<25	<25	<0.013	<0.022	<0.013	<0.0072	<0.0072	<0.0078	<0.014	<0.011	<0.0083	<0.0089	<0.096	<0.0072	<0.013	<0.0084	<0.0090	<0.0090	<0.0096	<0.016
B-11	8-10	5/8/2003	<25	<25	<0.013	<0.022	<0.013	<0.0072	<0.0072	<0.0078	<0.014	<0.011	<0.0083	<0.0089	<0.0097	<0.0072	<0.013	<0.0085	<0.0091	<0.0091	<0.0097	<0.016
LAIDLAW TRANSIT ANALYTICAL DATA																							
MW-1	16-18	9/20/1999	NA	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2	14-16	9/20/1999	NA	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	14-17	9/20/1999	NA	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4	14-16	6/26/2000	0.226	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-5	3-5	7/24/2001	<0.25	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-5	13-15	7/24/2001	0.724	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-6	8-10	7/24/2001	0.122	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-6	13-16	7/24/2001	0.319	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-6	18-20	7/24/2001	0.329	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7	8-10	7/24/2001	0.195	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7	13-15	7/24/2001	<0.25	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GP-1	8-12	4/15/1999	NA	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GP-2	4-8	4/15/1999	NA	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GP-3	12-16	4/15/1999	NA	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GP-4	0-4	4/15/1999	NA	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GP-5	12-16	4/15/1999	NA	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GP-6	0-4	4/15/1999	NA	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GP-7	8-12	4/15/1999	NA	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GP-8	12-16	4/15/1999	NA	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GP-9	12-16	4/15/1999	NA	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

All concentrations are in mg/kg (parts per million, ppm).
[1] Site Specific RCL - Residual contaminant level calculated per site-specific parameters. RCLs were caclculated for direct contact pathway and for soil-to-groundwater pathway.
Shaded samples indicate that the sample was obtained from a depth greater than 4 feet below ground surface
Concentrations in bold indicate an exceedance of a corresponding RCL
RCL = Residual Contaminant Level

TABLE 6-1

SOIL SAMPLE RESULTS [1,2]
VOLATILE ORGANIC COMPOUNDS
AMPCO METALS, INC.
MILWAUKEE, WISCONSIN
(Page 1 of 2)

Boring No. Sample Depth[3] Sample Date Compound[4]	SB-2 11 to 13 4/5/91	SB-5 11 to 13 4/5/91	SB-6 11 to 13 12/23/93	SB-7 3 to 5 12/22/93	SB-8 9 to 11 12/22/93	SB-9 9 to 11 12/21/93	SB-10 11 to 13 12/21/93	SB-11 3 to 5 feet 12/21/93	SB-12 11 to 13 12/20/93	SB-13 13 to 15 12/21/93	SB-14 9 to 11 12/21/93
Acetone	NA	NA	<11	400	300	<10	<10	45	<10	<10	2,600
2-Butanone	NA	NA	<11	89	82	<10	<10	<10	<10	<10	1,300
Carbon disulfide	NA	NA	<5.5	<6.0	<5.5	<5.0	<5.0	<5.0	<5.0	<5.0	<16
Chlorobenzene	<50	<50	83	<6.0	<5.5	<5.0	<5.0	<5.0	<5.0	<5.0	<16
cis-1,2-Dichloroethene	NA	NA	34	7.9	48	20	19	400	7.0	16	420
trans-1,2-Dichloroethene	<50	<50	<5.5	<6.0	<5.5	<5.0	<5.0	<5.0	<5.0	<5.0	22
Ethyl benzene	<50	<50	<5.5	<6.0	<5.5	<5.0	<5.0	<5.0	<5.0	<5.0	<16
4-Methyl-2-pentanone	NA	NA	<5.5	<6.0	<5.5	<5.0	<5.0	<5.0	<5.0	<5.0	<16
Tetrachloroethene	<50	<50	<5.5	<6.0	<5.5	<5.0	<5.0	<5.0	<5.0	<5.0	<16
Toluene	<50	<50	<5.5	9.3	<5.5	<5.0	<5.0	<5.0	<5.0	<5.0	17
1,1,1-Trichloroethane	<50	<50	<5.5	<6.0	<5.5	<5.0	20	<5.0	<5.0	<5.0	<16
Trichloroethene	50	820	<5.5	13	72	<5.0	1,600	180	71	430	110
Vinyl chloride	<50	<50	<5.5	56	18	<5.0	<5.0	<5.0	<5.0	<5.0	<16
Total xylenes	NA	NA	<5.5	<6.0	<5.5	<5.0	<5.0	<5.0	<5.0	<5.0	<16

Note:
(1) All units are in $\mu g/kg$.
(2) See Figure 3-1 for soil boring locations.
(3) All depths in feet below ground surface.
(4) Only compounds detected are listed.
Key:

TABLE 6-1

SOIL SAMPLE RESULTS [1,2]
VOLATILE ORGANIC COMPOUNDS
AMPCO METALS, INC.
MILWAUKEE, WISCONSIN
(page 2 of 2)

Boring No. Sample Depth[3] Date Compound[4]	SB-15 7 to 9 12/21/93	SB-16 3 to 5 12/20/93	SB-17 1 to 3 12/20/93	SB-18 1 to 3 12/22/93	SB-19 5 to 7 12/22/93	SB-20 1 to 3 12/22/93	SB-21 6 to 8 2/1/94	SB-22 8 to 10 1/27/94	SB-23 8 to 10 1/17/94	SB-24 8 to 10 2/1/94	SB-25 2 to 4 1/26/94	SB-25 10 to 12 1/26/94
Acetone	72	<12	<12	<11	<10	<11	<10	<11	<12	<10	<10	<10
2-Butanone	<13	26	<12	<11	<10	<11	<10	<11	<12	<10	<10	<10
Carbon disulfide	<6.3	<5.9	<5.8	<5.5	<5.0	<5.5	<5.0	<5.5	<6.0	<5.0	51	<5.0
Chlorobenzene	<6.3	<5.9	<5.8	<5.5	<5.0	<5.5	<5.0	<5.5	<6.0	<5.0	<5.0	<5.0
cis-1,2-Dichloroethene	<6.3	600	<5.8	<5.5	<5.0	<5.5	130	<5.5	<6.0	<5.0	76	<5.0
trans-1,2-Dichloroethene	<6.3	35	<5.8	<5.5	<5.0	<5.5	<5.0	<5.5	<6.0	<5.0	<5.0	<5.0
Ethyl benzene	<6.3	<5.9	<5.8	<5.5	<5.0	<5.5	<5.0	<5.5	70	<5.0	<5.0	<5.0
4-Methyl-2-pentanone	<6.3	<5.9	<5.8	<5.5	<5.0	<5.5	140	<5.5	<6.0	<5.0	<5.0	<5.0
Tetrachloroethene	<6.3	<5.9	<5.8	<5.5	<5.0	<5.5	<5.0	<5.5	<6.0	<5.0	17	<5.0
Toluene	<6.3	6.8	<5.8	<5.5	<5.0	<5.5	<5.0	<5.5	13	<5.0	<5.0	<5.0
1,1,1-Trichloroethane	<6.3	<5.9	<5.8	<5.5	<5.0	<5.5	<5.0	<5.5	<6.0	<5.0	<5.0	<5.0
Trichloroethene	<6.3	490	110	26	<5.0	<5.5	420	<5.5	12	<5.0	570	220
Vinyl chloride	<6.3	<5.9	<5.8	<5.5	<5.0	<5.5	<5.0	<5.5	<6.0	<5.0	<5.0	<5.0
Total xylenes	<6.3	<5.9	<5.8	<5.5	<5.0	<5.5	<5.0	<5.5	55	<5.0	<5.0	<5.0

Note:

[1] All units are in $\mu g/kg$.
[2] See Figure 3-1 for soil boring locations.
[3] All depths in feet below ground surface.
[4] Orily compounds detected are listed.

Key:

NA = Not analyzed.
Shaded values exceed the clean-up criteria presented on Table 5-2.

TABLE 6-2

SOIL SAMPLE RESULTS[1, 2]
SEMIVOLATILE ORGANIC COMPOUNDS
AMPCO METALS, INC.
MILWAUKEE, WISCONSIN

Boring No. / Sample Depth[3] / Sample Date / Compound[4]	SB-6 11 to 13 12/23/93	SB-7 3 to 5 12/22/93	SB-8 9 to 11 12/22/93	SB-9 9 to 11 12/21/93	SB-10 11 to 13 12/21/93	SB-11 3 to 5 12/21/93	SB-12 11 to 13 12/20/93	SB-13 13 to 15 12/21/93	SB-14 9 to 11 12/20/93	SB-15 7 to 9 12/21/93	SB-16 3 to 5 12/20/93	SB-17 1 to 3 12/20/93	SB-18 1 to 3 12/22/93	SB-19 5 to 7 12/22/93	SB-20 1 to 3 12/22/93
Acenaphthene	<100	<700	<100	<100	<100	<100	<110	<100	<250	<100	<120	1,800	<770	<100	<110
Acenaphthylene	<100	<700	<100	<100	<100	<100	<110	<100	<250	<100	<120	<800	2,100	<100	<110
Anthracene	<100	<700	<100	<100	<100	<100	<110	<100	<250	<100	<120	5,100	<770	<100	<110
Benzo(a)anthracene	<100	<700	<100	<100	<100	<100	<110	<100	<250	<100	420	9,900	2,300	<100	180
Benzo(b)fluoranthene	<100	<700	<100	<100	<100	<100	<110	<100	<250	<100	440	9,300	3,200	<100	140
Benzo(k)fluoranthene	<100	<700	<100	<100	<100	<100	<110	<100	<250	<100	220	4,800	1,200	<100	120
Benzo(g,h,i)perylene	<100	<700	<100	<100	<100	<100	<110	<100	<250	<100	180	4,800	3,500	<100	<110
Benzo(a)pyrene	<100	<700	<100	<100	<100	<100	<110	<100	<250	<100	370	8,600	3,300	<100	150
Chrysene	<100	<700	<100	<100	<100	<100	<110	<100	<250	100	440	10,000	3,000	<100	190
Fluoranthene	<100	<700	<100	<100	<100	<100	<106	<100	<250	200	520	18,000	2,900	<100	300
Fluorene	<100	<700	<100	<100	<100	<100	<106	<100	<250	<100	<118	1,800	<770	<100	<110
Indeno(1,2,3-cd)pyrene	<100	<700	<100	<100	<100	<100	<106	<100	<250	<100	210	5,500	3,000	<100	<110
Naphthalene	<100	<700	<100	<100	<100	<100	<106	<100	<250	<100	<118	1,500	<770	<100	<110
N-Nitroso-di-N-propylamine	<100	<700	<100	<100	<100	<100	<106	<100	<250	<100	<118	<798	4,900	<100	<110
Phenanthrene	<100	<700	<100	<100	<100	<100	<106	<100	<250	220	180	15,000	1,500	<100	120
Pyrene	<100	<700	<100	<100	<100	<100	<106	<100	<250	140	580	18,000	4,500	<100	210

Notes:

(1) All units are micrograms per kilogram ($\mu g/kg$).
(2) See Figure 3-1 for soil boring locations.
(3) All depths in feet below ground surface.
(4) Only compounds detected are listed.

TABLE 2
HISTORICAL GROUNDWATER ANALYTICAL RESULTS - VOCs
AMPCO METALS
1745 South 38th Street, Milwaukee, Wisconsin 53215

SAMPLE IDENTIFICATION AND DATE	Acetone	Benzene	2-Butanone	Chlorobenzene	Chloroethane	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Ethylbenzene	Toluene	Tetrachloroethene	Trichloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Sec-Butylbenzene	Tert-Butylbenzene	Isopropylbenzene	n-Propylbenzene
	PARAMETERS																				
ES	1000	5	NL	NL	400	1250	75	700	343	5	5	200	5	850	70	100	0.2	NL	NL	NL	NL
PAL	200	0.5	NL	NL	80	125	15	140	68.6	0.5	0.5	40	0.5	85	7	20	0.02	NL	NL	NL	NL
MW-1S																					
2/3/1994	no data	<2.0	no data	14	<2.0	<2.0	<2.0	<2.0	no data	no data	<2.0	<2.0	<2.0	<2.0	32	<2.0	<2.0	no data	no data	no data	no data
8/7/1996	NA	<0.50	NA	24	<1	1.1	1.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	35	1	1.6	no data	no data	no data	no data
3/25/1999	<5.0	<0.5	<5.0	16.8	<1	2.4	2.8	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	23.5	<0.5	12.9	no data	no data	no data	no data
6/22/1999	<5.0	<0.5	<5.0	26	<1	2.2	2.6	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	25	<0.5	9.0	no data	no data	no data	no data
9/28/1999	<5	<0.5	7	19	<1.0	2.4	2.4	<1.0	<1.0	<0.5	1.0	<0.5	<0.5	<1.0	6	<0.5	<0.2	no data	no data	no data	no data
1/18/2000	<5	<0.5	<5.0	6.4	<1.0	1.3	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	2.6	<0.5	3.0	no data	no data	no data	no data
7/12/2000	<5	<0.5	<5.0	12.5	<1.0	1.1	1.4	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	16.2	<0.5	9.9	no data	no data	no data	no data
6/12/2002	NA	<0.48	NA	6.2	<0.57	1.0	1.1	<0.43	<0.47	<0.57	<0.89	<0.69	<0.72	<0.48	3.0	<0.79	1.6	<0.49	<0.50	<0.43	<0.64
5/13/2003	NA	<0.41	NA	<0.41	<0.97	<0.87	<0.95	<0.54	<0.67	<0.45	<0.48	<0.90	<0.42	<0.75	<0.83	<0.67	<0.18	<0.89	<0.97	<0.59	<0.81
MW-1D																					
2/3/1994	no data	<2.0	no data	<2.0	<2.0	<2.0	<2.0	<2.0	no data	no data	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	no data	no data	no data	no data
3/25/1999	<5.0	<0.5	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.2	no data	no data	no data	no data
6/12/2002	NA	<0.48	NA	<0.55	<0.57	<0.54	<0.39	<0.43	<0.47	<0.57	<0.89	<0.69	<0.72	<0.48	<0.73	<0.79	<0.18	<0.49	<0.50	<0.43	<0.64
5/13/2003	NA	<0.41	NA	4.6	<0.97	1.1	1.2	<0.54	<0.67	<0.45	<0.48	<0.90	<0.42	<0.75	1.5	<0.67	1.8	<0.89	<0.97	<0.59	<0.81
MW-2D																					
2/3/1994	no data	<2.0	no data	<2.0	<2.0	<2.0	<2.0	<2.0	no data	no data	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	no data	no data	no data	no data
3/25/1999	<5.0	<0.5	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.2	no data	no data	no data	no data
6/12/2002	NA	<0.48	NA	<0.55	<0.57	<0.54	<0.39	<0.43	<0.47	<0.57	<0.89	<0.69	<0.72	<0.48	<0.73	<0.79	<0.18	<0.49	<0.50	<0.43	<0.64
5/13/2003	NA	<0.41	NA	<0.41	<0.97	<0.87	<0.95	<0.54	<0.67	<0.45	<0.48	<0.90	<0.42	<0.75	<0.83	<0.67	<0.18	<0.89	<0.97	<0.59	<0.81
MW-3S																					
2/3/1994	no data	<2.0	no data	<2.0	<2.0	<2.0	<2.0	<2.0	no data	no data	<2.0	<2.0	<2.0	<2.0	13	<2.0	<2.0	no data	no data	no data	no data
8/7/1996	NA	<0.50	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	13	<1.0	<0.50	no data	no data	no data	no data
3/25/1999	<5.0	<0.5	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	18	<0.5	<0.5	<1.0	29.4	1.8	<0.2	no data	no data	no data	no data
6/22/1999	<5.0	<0.5	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	13	<0.5	<0.5	<1.0	20	1.3	<0.2	no data	no data	no data	no data
9/28/1999	<5	<0.5	<5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	16.3	<0.5	<0.5	<1.0	28.7	<0.5	<0.2	no data	no data	no data	no data
1/18/2000	<5	<0.5	<5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	17.9	<0.5	<0.5	<1.0	27.2	1.1	<0.2	no data	no data	no data	no data
7/12/2000	<5	<0.5	<5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	20.0	<0.5	<0.5	<1.0	21.9	<0.5	<0.2	no data	no data	no data	no data
6/11/2002	NA	<0.48	NA	<0.55	<0.57	<0.54	<0.39	<0.43	<0.47	<0.57	41	<0.69	<0.72	<0.48	30	<0.79	<0.18	<0.49	<0.50	<0.43	<0.64
5/13/2003	NA	<0.41	NA	<0.41	<0.97	<0.87	<0.95	<0.54	<0.67	<0.45	41	<0.90	<0.42	<0.75	31	<0.67	<0.18	<0.89	<0.97	<0.59	<0.81
MW-3D																					
2/3/1994	no data	<2.0	no data	<2.0	<2.0	<2.0	<2.0	<2.0	no data	no data	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	no data	no data	no data	no data
3/25/1999	<5.0	<0.5	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.2	no data	no data	no data	no data
6/12/2001	Well could not be located.																				
5/13/2003	Well could not be located.																				
MW-4S																					
2/3/1994	no data	<2.0	no data	<2.0	<2.0	<2.0	<2.0	<2.0	no data	no data	8.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	no data	no data	no data	no data
8/7/1996	NA	<0.50	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	3.9	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	no data	no data	no data	no data
3/25/1999	<5.0	<0.5	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	1.4	<0.5	<0.5	<1.0	<0.5	<0.5	<0.2	no data	no data	no data	no data
6/22/1999	<5.0	<0.5	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	1.4	<0.5	<0.5	<1.0	<0.5	<0.5	<0.2	no data	no data	no data	no data
9/28/1999	<5	<0.5	<5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	1.4	<0.5	<0.5	<1.0	<0.5	<0.5	<0.2	no data	no data	no data	no data
1/18/2000	<5	<0.5	<5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.2	no data	no data	no data	no data
7/13/2000	<5	<0.5	<5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	6.8	<0.5	3.4	<1.0	6.8	<0.5	<0.2	no data	no data	no data	no data
6/11/2002	NA	<0.48	NA	<0.55	<0.57	<0.54	<0.39	<0.43	<0.47	<0.57	<0.89	<0.69	<0.72	<0.48	<0.73	<0.79	<0.18	<0.49	<0.50	<0.43	<0.64
5/13/2003	NA	<0.41	NA	<0.41	<0.97	<0.87	<0.95	<0.54	<0.67	<0.45	<0.48	<0.90	<0.42	<0.75	<0.83	<0.67	<0.18	<0.89	<0.97	<0.59	<0.81
MW-4D																					
2/3/1994	no data	<2.0	no data	<2.0	<2.0	<2.0	<2.0	<2.0	no data	no data	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	no data	no data	no data	no data
3/25/1999	<5.0	<0.5	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.2	no data	no data	no data	no data
6/11/2002	NA	<0.48	NA	<0.55	<0.57	<0.54	<0.39	<0.43	<0.47	<0.57	<0.89	<0.69	<0.72	<0.48	<0.73	<0.79	<0.18	<0.49	<0.50	<0.43	<0.64
5/13/2003	NA	<0.41	NA	<0.41	<0.97	<0.87	<0.95	<0.54	<0.67	<0.45	<0.48	<0.90	<0.42	<0.75	<0.83	<0.67	<0.18	<0.89	<0.97	<0.59	<0.81
MW-5S																					
2/3/1994	no data	<2.0	no data	<2.0	<2.0	<2.0	<2.0	<2.0	no data	no data	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	3.2	no data	no data	no data	no data
3/25/1999	<5.0	<0.5	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.2	no data	no data	no data	no data
6/22/1999	<5.0	<0.5	<5.0	<1.0	1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	13.0	<0.5	28.0	no data	no data	no data	no data
9/28/1999	<5	<0.5	<5	<1.0	1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	4.3	<0.5	<0.2	no data	no data	no data	no data
1/18/2000	<5	<0.5	<5	<1.0	1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.2	no data	no data	no data	no data
7/12/2000	<5	<0.5	<5	<1.0	1.6	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	14.0	1.1	22.4	no data	no data	no data	no data
6/12/2002	Not Sampled																				
5/13/2003	Not Sampled																				
MW-6S																					
2/3/1994	no data	<2.0	no data	<2.0	<2.0	<2.0	<2.0	<2.0	no data	no data	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	no data	no data	no data	no data
3/25/1999	<5.0	<0.5	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	1.9	<0.5	<0.5	<1.0	<0.5	<0.5	<0.2	no data	no data	no data	no data
6/22/1999	<5.0	<0.5	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	2.3	<0.5	<0.5	<1.0	<0.5	<0.5	<0.2	no data	no data	no data	no data

PARAMETERS

SAMPLE IDENTIFICATION AND DATE	Acetone	Benzene	2-Butanone	Chlorobenzene	Chloroethane	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Ethylbenzene	Toluene	Tetrachloroethene	Trichloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Sec-Butylbenzene	Tert-Butylbenzene	Isopropylbenzene	n-Propylbenzene
ES	1000	5	NL	NL	400	1250	75	700	343	5	5	200	5	850	70	100	0.2	NL	NL	NL	NL
PAL	200	0.5	NL	NL	80	125	15	140	68.6	0.5	0.5	40	0.5	85	7	20	0.02	NL	NL	NL	NL
9/28/1999	<5	<0.5	7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.2	no data	no data	no data	no data
1/18/2000	<5	<0.5	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	1.4	<0.5	<0.5	<1.0	<0.5	<0.5	<0.2	no data	no data	no data	no data
7/13/2000	5.7	<0.5	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	2.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.2	no data	no data	no data	no data
6/11/2002	NA	<0.48	NA	<0.55	<0.57	<0.54	<0.39	<0.43	<0.47	<0.57	1.7	<0.69	<0.72	<0.48	<0.73	<0.79	<0.18	<0.49	<0.50	<0.43	<0.64
5/13/2003	NA	<0.41	NA	<0.41	<0.97	<0.87	<0.95	<0.54	<0.67	<0.45	1.2	<0.90	<0.42	<0.75	<0.83	<0.67	<0.18	<0.89	<0.97	<0.59	<0.81
MW-7S																					
2/3/1994	no data	<2.0	no data	<2.0	<2.0	<2.0	<2.0	<2.0	no data	no data	8.4	<2.0	<2.0	<2.0	53	2.6	48	no data	no data	no data	no data
3/25/1999	Well could not be located and is presumed paved over.																				
5/13/2003	Well could not be located and is presumed paved over.																				
MW-8S																					
2/3/1994	no data	2.3	no data	<2.0	<2.0	<2.0	<2.0	<2.0	no data	no data	150	4.6	<2.0	10	79	7.1	44	no data	no data	no data	no data
8/7/1996	NA	2.9	NA	<1.0	<1.0	<1.0	<1.0	1.3	<1.0	<1.0	190	6.0	<0.5	6.4	60	6.8	11	no data	no data	no data	no data
3/25/1999	<5.0	<0.5	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	184	5.2	<0.5	4	48.8	4.6	12.5	no data	no data	no data	no data
6/22/1999	<5.0	<0.5	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	265	3.5	<0.5	3.5	108	9.9	2.7	no data	no data	no data	no data
9/28/1999	9.8	<0.5	11.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	274	6.8	<0.5	<1.0	70.2	<0.5	<0.2	no data	no data	no data	no data
1/18/2000	<5.0	1.2	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	124	3.2	<0.5	3.9	41	3.9	22.4	no data	no data	no data	no data
7/13/2000	<5.0	<0.5	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	308	<0.5	<0.5	4.3	95.8	8.1	3.4	no data	no data	no data	no data
6/11/2002	NA	0.73	NA	<0.55	<0.57	<0.54	<0.39	<0.43	<0.47	<0.57	160	4.5	<0.72	3.4	52	5.4	11	<0.49	<0.50	<0.43	<0.64
5/13/2003	NA	0.63	NA	<0.41	<0.97	<0.87	<0.95	<0.54	<0.67	<0.45	130	4.1	<0.42	4.1	55	3.7	5	<0.89	<0.97	<0.59	<0.81
MW-9																					
07/16/1999**	NA	<2.5	NA	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	67	<2.5	<2.5	<2.5	110	17	9.2	no data	no data	no data	no data
7/12/2000	<5.0	<0.5	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	42.3	<0.5	<0.5	<1.0	168	12	10	no data	no data	no data	no data
6/12/2002	NA	<0.48	NA	<0.55	<0.57	<0.54	<0.39	<0.43	<0.47	<0.57	8.4	<0.69	<0.72	<0.48	<0.73	8.9	5.1	<0.49	<0.50	<0.43	<0.64
5/13/2003	NA	<0.41	NA	<0.41	<0.97	<0.87	<0.95	<0.54	<0.67	<0.45	15	<0.90	<0.42	<0.75	98	8.2	6.8	<0.89	<0.97	<0.59	<0.81
MW-10																					
07/16/1999**	NA	<2.5	NA	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	4.0	47	27	<2.5	<2.5	48	<2.5	<0.85	no data	no data	no data	no data
7/13/2000	<5.0	<0.5	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	48.3	<0.5	<0.5	2.4	44.6	2.1	9.3	no data	no data	no data	no data
6/11/2002	NA	<0.48	NA	<0.55	<0.57	<0.54	<0.39	<0.43	<0.47	<0.57	26	14	<0.72	0.86	42	2.2	17	<0.49	<0.50	<0.43	<0.64
5/13/2003	NA	<0.41	NA	<0.41	<0.97	<0.87	<0.95	<0.54	<0.67	<0.45	23	12	<0.42	<0.75	38	1.9	21	<0.89	<0.97	<0.59	<0.81
MW-11																					
07/16/1999**	NA	<2.5	NA	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	140	<2.5	<2.5	<2.5	260	10	30	no data	no data	no data	no data
7/13/2000	<5.0	<0.5	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	339	<0.5	<0.5	1.0	168	5.8	23.3	no data	no data	no data	no data
6/11/2002	Well could not be located and is assumed to be paved over.																				
5/13/2003	Well could not be located and is assumed to be paved over.																				
MW-12																					
07/16/1999**	NA	<2.5	NA	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	3.8	<2.5	<2.5	<2.5	140	7.2	62	no data	no data	no data	no data
7/12/2000	<5.0	<0.5	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	7	<0.5	<0.5	<1.0	143	6.2	65.9	no data	no data	no data	no data
6/12/2002	NA	<0.48	NA	<0.55	<0.57	<0.54	<0.39	<0.43	<0.47	<0.57	3.7	<0.69	<0.72	<0.48	100	6.6	45	<0.49	<0.50	<0.43	<0.64
5/13/2003	NA	<0.41	NA	<0.41	<0.97	<0.87	<0.95	<0.54	<0.67	<0.45	1.2	<0.90	<0.42	<0.75	120	6.3	55	<0.89	<0.97	<0.59	<0.81
MW-13																					
07/16/1999**	NA	<0.5	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.88	<0.5	<0.5	<0.5	<0.5	<0.5	<0.17	no data	no data	no data	no data
6/12/2002	NA	<0.48	NA	<0.55	<0.57	<0.54	<0.39	<0.43	<0.47	<0.57	<0.89	<0.69	<0.72	<0.48	<0.73	<0.79	<0.18	6.8	2	18	7.4
5/13/2003	NA	<0.41	NA	<0.41	<0.97	<0.87	<0.95	<0.54	<0.67	<0.45	<0.48	<0.90	<0.42	<0.75	<0.83	<0.67	<0.18	11	2.9	31	12
MW-14																					
5/23/2000	<5.0	<0.5	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	6	<0.5	<0.2	no data	no data	no data	no data
7/12/2000	<5.0	<0.5	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	3.3	<0.5	<0.2	no data	no data	no data	no data
08/18/2000 *	<1.6	<0.27	<1.4	<0.26	<0.64	<0.26	<0.36	<0.25	<0.29	<0.31	0.5	<0.31	<0.44	<0.32	3.4	0.45	<0.20	no data	no data	no data	no data
6/11/2002	NA	<0.48	NA	<0.55	<0.57	<0.54	<0.39	<0.43	<0.47	<0.57	7.3	<0.69	<0.72	<0.48	6.5	<0.79	<0.18	<0.49	<0.50	<0.43	<0.64
5/13/2003	NA	<0.41	NA	<0.41	<0.97	<0.87	<0.95	<0.54	<0.67	<0.45	17	<0.90	<0.42	<0.75	7.0	<0.67	<0.18	<0.89	<0.97	<0.59	<0.81
MW-15																					
5/23/2000	<5.0	<0.5	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	10.2	<0.5	<0.5	<1.0	42.6	3.5	3.4	no data	no data	no data	no data
7/12/2000	<5.0	<0.5	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	19.2	<0.5	<0.5	<1.0	20.8	2.0	1.3	no data	no data	no data	no data
08/18/2000 *	<1.6	<0.27	<1.4	<0.26	<0.64	<0.26	<0.36	<0.25	<0.29	<0.31	9	<0.31	<0.44	0.36	57	5.2	6	no data	no data	no data	no data
6/11/2002	NA	<0.48	NA	<0.55	<0.57	<0.54	<0.39	<0.43	<0.47	<0.57	15	<0.69	<0.72	<0.48	45	4.7	2.5	<0.49	<0.50	<0.43	<0.64
5/13/2003	NA	<0.41	NA	<0.41	<0.97	<0.87	<0.95	<0.54	<0.67	<0.45	1.3	<0.90	<0.42	<0.75	70	4.7	9.1	<0.89	<0.97	<0.59	<0.81
MW-16																					
6/12/2002	NA	<0.48	NA	<0.55	<0.57	<0.54	<0.39	<0.43	0.75	<0.57	<0.89	<0.69	<0.72	<0.48	<0.73	<0.79	<0.18	<0.49	<0.50	<0.43	<0.64
5/13/2003	NA	<0.41	NA	<0.41	<0.97	<0.87	<0.95	<0.54	<0.67	<0.45	<0.48	<0.90	<0.42	<0.75	<0.83	<0.67	<0.18	<0.89	<0.97	<0.59	<0.81
MW-17																					
6/12/2002	NA	<0.48	NA	<0.55	<0.57	<0.54	<0.39	<0.43	<0.47	<0.57	<0.89	<0.69	<0.72	<0.48	<0.73	<0.79	<0.18	<0.49	<0.50	<0.43	<0.64
5/13/2003	NA	<0.41	NA	<0.41	<0.97	<0.87	<0.95	<0.54	<0.67	<0.45	<0.48	<0.90	<0.42	<0.75	<0.83	<0.67	<0.18	<0.89	<0.97	<0.59	<0.81
MW-18																					
6/12/2002	NA	<0.48	NA	<0.55	<0.57	<0.54	<0.39	<0.43	<0.47	<0.57	56	<0.69	<0.72	<0.48	<0.73	<0.79	<0.18	<0.49	<0.50	<0.43	<0.64

PARAMETERS

SAMPLE IDENTIFICATION AND DATE	Acetone	Benzene	2-Butanone	Chlorobenzene	Chloroethane	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Ethylbenzene	Toluene	Tetrachloroethene	Trichloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Sec-Butylbenzene	Tert-Butylbenzene	Isopropylbenzene	n-Propylbenzene
ES	1000	5	NL	NL	400	1250	75	700	343	5	5	200	5	850	70	100	0.2	NL	NL	NL	NL
PAL	200	0.5	NL	NL	80	125	15	140	68.6	0.5	0.5	40	0.5	85	7	20	0.02	NL	NL	NL	NL
5/13/2003	NA	<0.41	NA	<0.41	<0.97	<0.87	<0.95	<0.54	<0.67	<0.45	32	<0.90	<0.42	<0.75	<0.83	<0.67	<0.18	<0.89	<0.97	<0.59	<0.81
MW-19																					
6/12/2002	NA	<0.48	NA	<0.55	<0.57	<0.54	<0.39	<0.43	<0.47	<0.57	73	<0.69	<0.72	<0.48	7.0	<0.79	<0.18	<0.49	<0.50	<0.43	<0.64
5/13/2003	NA	<0.41	NA	<0.41	<0.97	<0.87	<0.95	<0.54	<0.67	<0.45	48	<0.90	<0.42	<0.75	7.0	<0.67	4.4	<0.89	<0.97	<0.59	<0.81
MW-20																					
6/12/2002	NA	<0.48	NA	<0.55	<0.57	<0.54	<0.39	<0.43	<0.47	<0.57	<0.89	<0.69	<0.72	<0.48	2.8	<0.79	<0.18	<0.49	<0.50	<0.43	<0.64
5/13/2003	NA	<0.41	NA	<0.41	<0.97	<0.87	<0.95	<0.54	<0.67	<0.45	<0.48	<0.90	<0.42	<0.75	1.8	<0.67	<0.18	<0.89	<0.97	<0.59	<0.81
TW-1																					
6/11/1999	<5.0	<0.5	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	26.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.2	no data	no data	no data	no data
TW-2																					
6/11/1999	<5.0	<0.5	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	24.0	<0.5	<0.5	<1.0	31.0	2.0	<0.2	no data	no data	no data	no data
TW-3																					
6/11/1999	<5.0	<0.5	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	137	1.0	<0.5	<1.0	1.0	<0.5	<0.2	no data	no data	no data	no data
TW-P1																					
12/20/1999	NA	0.33	NA	<0.23	<0.54	<0.34	<0.30	<0.32	0.57	<0.43	<0.37	<0.30	<0.30	<0.35	<0.28	<0.79	<0.20	no data	no data	no data	no data
TW-P2																					
12/20/1999	NA	0.37	NA	<0.23	<0.54	<0.34	<0.30	<0.32	<0.27	<0.43	1.3	<0.30	<0.30	<0.35	20	2.1	1.2	no data	no data	no data	no data
TW-P3																					
12/20/1999	NA	0.45	NA	<0.23	<0.54	<0.34	<0.30	<0.32	<0.27	<0.43	0.78	<0.30	<0.30	<0.35	75	7.0	16	no data	no data	no data	no data

LAIDLAW TRANSIT SITE MONITORING WELL ANALYTICAL RESULTS

MW-1																					
9/22/1999	no data	1.2	no data	<0.2	no data	no data	<0.15	0.29	0.88	no data	<0.16	no data	no data	<0.15	31	1.5	23	<0.3	0.23	<0.16	<0.25
8/18/2000	no data	0.53	no data	<0.26	no data	no data	<0.36	<0.25	<0.29	no data	<0.34	no data	no data	<0.32	48	2.5	26	<0.34	<0.3	<0.33	<0.28
11/6/2000	no data	1.2	no data	<0.52	no data	no data	<0.72	<0.5	<0.58	no data	<0.68	no data	no data	<0.64	37	1.6	17	<0.68	<0.6	<0.66	<0.56
8/10/2001	no data	0.837	no data	0.77	no data	no data	<0.5	<0.5	<0.5	no data	<0.5	no data	no data	<0.5	45	2.11	19.8	<0.5	<0.5	<0.5	<0.5
11/29/2001	no data	0.93	no data	<0.5	no data	no data	<0.5	<0.5	<0.5	no data	<0.5	no data	no data	<0.5	40.9	2.8	29.7	1.7	<0.5	<0.5	<0.5
7/2/2002	no data	0.557	no data	<0.5	no data	no data	<0.5	<0.5	<0.5	no data	<0.5	no data	no data	<0.5	43.5	1.87	19.2	<0.5	<0.5	<0.5	<0.5
MW-2																					
9/22/1999	no data	3	no data	<0.2	no data	no data	<0.15	<0.16	0.62	no data	1.5	no data	no data	<0.15	24	0.64	8.9	<0.3	<0.2	<0.16	<0.25
8/18/2000	no data	19	no data	<0.26	no data	no data	<0.36	<0.25	0.71	no data	0.82	no data	no data	<0.32	15	0.53	9.4	<0.34	<0.3	<0.33	<0.28
11/6/2000	no data	3.7	no data	<0.52	no data	no data	<0.36	<0.25	0.94	no data	0.83	no data	no data	<0.32	19	0.4	8.6	<0.34	<0.3	<0.33	<0.28
8/10/2001	no data	2.88	no data	0.77	no data	no data	<0.5	0.677	0.632	no data	<0.5	no data	no data	<0.5	9.68	<0.5	7.92	0.589	<0.5	<0.5	<0.5
11/29/2001	no data	4.3	no data	<0.5	no data	no data	<0.5	<0.5	0.725	no data	1.62	no data	no data	<0.5	10.8	<0.5	16.3	<0.5	<0.5	<0.5	<0.5
7/2/2002	no data	2.73	no data	<0.5	no data	no data	<0.5	<0.5	0.589	no data	0.618	no data	no data	<0.5	12.7	2.05	13.9	1.55	<0.5	<0.5	0.557
MW-3																					
9/22/1999	no data	6.3	no data	3.9	no data	no data	<0.15	<0.16	0.59	no data	<0.16	no data	no data	<0.15	<0.2	<0.16	<0.21	<0.3	<0.2	<0.16	<0.25
8/18/2000	no data	133	no data	94	no data	no data	1.1	<0.50	1.2	no data	<0.68	no data	no data	<0.64	<0.54	<0.5	<0.4	<0.68	<0.6	<0.66	<0.56
11/6/2000	no data	35	no data	29	no data	no data	<0.36	0.26	0.66	no data	<0.34	no data	no data	<0.32	<0.27	<0.25	<0.2	<0.34	<0.3	<0.33	<0.28
8/10/2001	no data	8.07	no data	6.51	no data	no data	<0.5	0.532	<0.5	no data	<0.5	no data	no data	<0.5	<0.5	<0.5	<0.17	1.39	<0.5	<0.5	1.16
11/29/2001	no data	22.7	no data	12.6	no data	no data	<0.5	<0.5	0.782	no data	2.76	no data	no data	<0.5	<0.5	<0.5	<0.17	0.626	<0.5	<0.5	0.921
7/2/2002	no data	28.9	no data	27	no data	no data	<0.5	1.18	1.09	no data	<0.5	no data	no data	<0.5	<0.5	<0.5	<0.17	0.650	<0.5	0.92	1.16
MW-4																					
8/18/2000	no data	2	no data	<0.26	no data	no data	<0.36	1.3	<0.29	no data	<0.34	no data	no data	<0.32	3.1	0.42	4.5	<0.34	<0.3	<0.33	<0.28
11/6/2000	no data	3	no data	<0.26	no data	no data	<0.36	1.4	<0.29	no data	0.77	no data	no data	<0.32	1.4	<0.25	2.5	<0.34	<0.3	<0.33	<0.28
8/10/2001	no data	3.05	no data	<0.5	no data	no data	<0.5	0.806	<0.5	no data	<0.5	no data	no data	<0.5	<0.5	<0.5	<0.17	0.913	<0.5	<0.5	1.05
11/29/2001	no data	4.22	no data	<0.5	no data	no data	<0.5	0.899	<0.5	no data	<0.5	no data	no data	<0.5	<0.5	<0.5	<0.17	1.36	<0.5	<0.5	1.03
7/2/2002	no data	3.61	no data	<0.5	no data	no data	<0.5	0.76	<0.5	no data	<0.5	no data	no data	<0.5	<0.5	<0.5	<0.17	0.546	<0.5	<0.5	0.788
11/5/2003	NA	4.9	NA	<0.20	<1.0	<0.20	<0.20	<0.50	<0.20	<0.50	<0.20	<0.50	<0.25	<0.50	<0.50	<0.50	<0.20	<0.25	<0.20	0.20	0.930
MW-5																					
8/9/2001	no data	<0.5	no data	<0.5	no data	no data	<0.5	<0.5	<0.5	no data	<0.5	no data	no data	<0.50	<0.5	<0.5	<0.17	13.5	5.04	<0.5	0.603
MW-6																					
8/9/2001	no data	3.61	no data	<0.5	no data	no data	<0.5	0.771	2.05	no data	0.26	no data	no data	<0.5	<0.5	<0.5	<0.17	3.02	<0.5	2.13	0.986
11/28/2001	no data	4.32	no data	<0.5	no data	no data	<0.5	0.67	1.47	no data	<0.5	no data	no data	<0.5	<0.5	<0.5	<0.17	4.99	<0.5	<0.5	2.55
7/2/2002	no data	0.699	no data	<0.5	no data	no data	<0.5	0.598	2.3	no data	<0.5	no data	no data	<0.5	<0.5	<0.5	<0.17	8.66	<0.5	0.635	0.879
11/5/2003	NA	6.1	NA	<0.20	<1.0	<0.20	<0.20	<0.50	3.0	<0.50	<0.20	<0.50	<0.25	<0.50	<0.50	<0.50	<0.20	<0.25	<0.20	0.23	<0.50
MW-7																					
8/8/2001	no data	<0.5	no data	<0.5	no data	no data	<0.5	<0.5	<0.5	no data	30	no data	no data	<0.5	6.82	<0.5	<0.17	<0.5	<0.5	<0.5	<0.5
11/28/2001	no data	<0.5	no data	<0.5	no data	no data	<0.5	<0.5	0.869	no data	40.1	no data	no data	<0.5	5.47	<0.5	<0.17	<0.5	<0.5	<0.5	<0.5
7/2/2002	no data	<0.5	no data	<0.5	no data	no data	<0.5	<0.5	0.869	no data	39.8	no data	no data	<0.5	5.81	0.936	0.783	2.87	1.01	0.602	<0.5
11/5/2003	NA	<0.20	NA	<0.20	<1.0	<0.20	<0.20	<0.50	<0.20	<0.50	51	<0.50	<0.25	<0.20	6.7	0.760	<0.20	<0.25	<0.20	<0.20	<0.50

SAMPLE IDENTIFICATION AND DATE	Acetone	Benzene	2-Butanone	Chlorobenzene	Chloroethane	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Ethylbenzene	Toluene	Tetrachloroethene	Trichloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Sec-Butylbenzene	Tert-Butylbenzene	Isopropylbenzene	n-Propylbenzene
	PARAMETERS																				
ES	1000	5	NL	NL	400	1250	75	700	343	5	5	200	5	850	70	100	0.2	NL	NL	NL	NL
PAL	200	0.5	NL	NL	80	125	15	140	68.6	0.5	0.5	40	0.5	85	7	20	0.02	NL	NL	NL	NL
MW-14 8/18/2000	no data	<0.27	no data	<0.26	no data	no data	<0.36	<0.25	<0.29	no data	0.5	no data	no data	<0.32	3.4	0.45	<0.20	<0.34	<0.3	<0.33	<0.28
MW-15 8/18/2000	no data	<0.27	no data	<0.26	no data	no data	<0.36	<0.25	<0.29	no data	9	no data	no data	0.36	57	5.2	6	<0.34	<0.3	<0.33	<0.28
MW-15 7/2/2002	no data	<0.5	no data	<0.5	no data	no data	<0.5	<0.5	<0.5	no data	22.3	no data	no data	<0.5	44.3	4,980	2.91	2.46	<0.5	<0.5	2.110
TW-19 8/18/2000	no data	<0.27	no data	<0.26	no data	no data	<0.36	<0.25	<0.29	no data	0.4	no data	no data	<0.32	13	6.6	0.41	<0.34	<0.3	<0.33	<0.28
TW-19 8/10/2001	no data	<0.5	no data	<0.5	no data	no data	<0.5	<0.5	<0.5	no data	6.55	no data	no data	<0.5	13.3	8.83	<0.17	<0.5	<0.5	<0.5	<0.5
TW-19 11/27/2001	no data	0.855	no data	<0.5	no data	no data	<0.5	<0.5	<0.5	no data	<0.5	no data	no data	<0.5	7.72	5.75	1.73	0.67	<0.5	<0.5	0.634
TW-19 11/5/2003	NA	<0.20	NA	<0.20	<1.0	<0.20	<0.20	<0.50	<0.20	<0.50	<0.20	<0.50	<0.25	<0.50	<0.50	<0.50	<0.20	<0.25	<0.20	<0.20	<0.50
TW-20 8/18/2000	no data	<0.27	no data	<0.26	no data	no data	<0.36	<0.25	<0.29	no data	<0.34	no data	no data	0.58	<0.27	<0.25	<0.2	<0.34	<0.3	<0.33	<0.28
TW-20 8/10/2001	no data	<0.5	no data	<0.5	no data	no data	<0.5	<0.5	<0.5	no data	<0.5	no data	no data	<0.5	<0.5	<0.5	<0.17	0.656	<0.5	<0.5	<0.5
TW-20 11/27/2001	no data	<0.5	no data	<0.5	no data	no data	<0.5	<0.5	<0.5	no data	<0.5	no data	no data	<0.5	<0.5	<0.5	<0.17	<0.5	<0.5	<0.5	<0.5
TW-21 8/18/2000	no data	<0.27	no data	<0.26	no data	no data	<0.36	<0.25	<0.29	no data	<0.34	no data	no data	<0.32	9	0.7	1.4	<0.34	<0.3	<0.33	<0.28
	MOBIL BLASTING SITE MONITORING WELL ANALYTICAL RESULTS																				
MW-104 1/29/2003	<20	<1.0	<20	<1.0	<1.0	no data	no data	1.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.5	2.7
MW-105 1/29/2003	<20	11	<20	<1.0	<1.0	no data	no data	39	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.3	<1.0	3.4	15

Notes:
All concentrations listed as micrograms per liter, parts per billion (ppb)
ND = Not Detected above laboratory detection limits
NA = Parameter Not Analyzed
NL = Parameter not listed in corresponding lable
PAL = Preventative Action Limits as listed in Wisconsin Administrative Code NR 140 Tables 1 and 2.
ES = Enforcement Standard as listed in the Wisconsin Administrative Code NR 140 Tables 1 and 2.
Concentrations in bold indicate an exceedance of the corresponding PAL.
Concentrations outlined and in bold indicate an exceedance of the corresponding ES.
< means constituent was not detected above the indicated concentration.
AMPCO PROPERTY SAMPLING
* Sampling and analyses performed by Environmental Innovations, Inc.
** Sampling and analyses performed by Sigma Environmental Services, Inc.
Sampling and analyses performed by ENSR beginning June 2002
All other dates sampling was performed by TRIAD.

TABLE 3
HISTORICAL NATURAL ATTENUATION PARAMETER RESULTS
AMPCO METALS
1745 South 38th Street, Milwaukee, Wisconsin

Well No. / Date Sampled	Methane (ug/L)	Ethane (ug/L)	Ethene (ug/L)	Dissolved Iron (ug/L)	Dissolved Manganese (ug/L)	Chloride (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	TOC as NPOC	pH (unitless)	Temperature (Celsius)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Specific Conductivity (umho/cm)	Oxidation-Reduction Potential (mV)
MW-1S															
3/25/1999	285	ND	ND	NA	NA	192	ND	200	NA	6.57	13.28	NA	0.17	1405	213
1/18/2000	87	ND	ND	NA	NA	235	ND	252	NA	6.70	14.17	5.4	0.54	1186	207
7/12/2000	454	ND	ND	NA	NA	106	ND	188	NA	6.45	15.78	2.9	0.27	1551	159
6/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.03	15.1	0.55	0.55	1665	-54.7
5/13/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.13	15.08	NA	2.1	2005	-23.6
MW-1D															
6/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.88	15.43	21	0.24	2228	-82.7
5/13/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.9	14.14	NA	1.32	1412	104.6
MW-2D															
6/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.93	12.97	6.6	0.70	1828	-104.7
5/13/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.14	11.96	NA	1.57	1696	-144.2
MW-3S															
3/25/1999	ND	ND	ND	NA	NA	67.5	ND	242	NA	6.56	11.91	NA	0.23	1422	215
1/18/2000	32	ND	ND	NA	NA	74	ND	226	NA	6.74	12.71	3.2	0.33	806	167
7/12/2000	ND	ND	ND	NA	NA	90	ND	284	NA	6.37	14.60	6.2	0.62	1507	154
6/11/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.00	12.45	5.7	0.61	1638	-25.8
5/13/2003	NA	NA	NA	1200	210	100	<0.057	220	4	7.50	12.54	NA	0.57	1423	-5.5
MW-4S															
3/25/1999	60	ND	ND	NA	NA	86	ND	106	NA	6.71	14.33	NA	0.26	1189	160
1/18/2000	985	ND	ND	NA	NA	56	0.10	59.8	NA	6.86	14.63	20.1	1.95	587	35
7/13/2000	377	ND	ND	NA	NA	115	ND	73.5	NA	6.71	16.27	3.7	0.38	1260	119
6/11/2002	NA	NA	NA	NA	NA	87	ND	110	NA	7.18	15.72	11.5	1.13	1168	-91.6
5/13/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.09	15.02	NA	0.94	951	104.9
MW-4D															
6/11/2002	NA	NA	NA	NA	NA	110	ND	170	NA	7.21	16.90	8.8	0.85	1449	-66.0
5/13/2003	NA	NA	NA	690	64	110	<0.057	150	3.4	7.35	14.80	NA	0.84	1305	-181.9
MW-5S															
3/25/1999	502	ND	ND	NA	NA	ND	ND	83	NA	6.79	11.20	NA	0.17	1881	198
1/18/2000	486	ND	ND	NA	NA	124	ND	118	NA	6.69	13.15	4.4	0.45	1149	49
7/12/2000	393	ND	ND	NA	NA	155	ND	234	NA	6.51	15.42	3.0	0.30	1961	149
MW-6S															
3/25/1999	ND	ND	ND	NA	NA	203	5.1	130	NA	6.74	13.16	NA	0.34	1691	276
1/18/2000	52	ND	ND	NA	NA	126	0.80	142	NA	6.76	15.28	4.5	0.44	850	251
7/13/2000	ND	ND	ND	NA	NA	145	1.00	268	NA	6.44	17.00	2.0	0.19	1754	227
6/11/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.04	14.98	4.7	0.47	1708	-0.4
5/13/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.06	13.35	NA	2.23	1513	-13
MW-8S															
3/25/1999	39	ND	ND	NA	NA	145	0.10	130	NA	6.65	12.10	NA	0.33	1738	251
1/18/2000	108	ND	ND	NA	NA	138	ND	170	NA	6.75	13.71	7.3	0.73	991	240
7/13/2000	ND	ND	ND	NA	NA	165	0.50	177	NA	6.33	14.33	3.7	0.37	1821	347
6/11/2002	NA	NA	NA	NA	NA	130	0.17	110	NA	6.94	13.86	4.5	0.46	1702	21.8
5/13/2003	NA	NA	NA	7000	520	180	<0.057	110	30	7.29	13.1	NA	1.37	1814	-43
MW-8SD (duplicate)															
3/25/1999	48	ND	ND	NA	NA	143	0.10	130	NA	NA	NA	NA	NA	NA	NA
7/13/2000	ND	ND	ND	NA	NA	160	0.60	176	NA	NA	NA	NA	NA	NA	NA

TABLE 3
HISTORICAL NATURAL ATTENUATION PARAMETER RESULTS
AMPCO METALS
1745 South 38th Street, Milwaukee, Wisconsin

Well No. Date Sampled	Methane (ug/L)	Ethane (ug/L)	Ethene (ug/L)	Dissolved Iron (ug/L)	Dissolved Manganese (ug/L)	Chloride (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	TOC as NPOC	pH (unitless)	Temperature (Celsius)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Specific Conductivity (umho/cm)	Oxidation-Reduction Potential (mV)
MW-9															
7/12/2000	56	ND	ND	NA	NA	148	ND	218	NA	6.52	15.04	2.3	0.23	1870	122
6/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.97	12.45	4.9	0.52	1774	-67.6
5/13/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.56	11.45	NA	1.12	1574	-30.8
MW-10s															
7/13/2000	ND	ND	ND	NA	NA	175	1.20	375	NA	6.42	14.83	3.2	0.30	2084	307
6/11/2002	NA	NA	NA	NA	NA	130	0.51	390	NA	7.24	13.58	6.6	0.72	2000	24.4
5/13/2003	NA	NA	NA	540	220	140	0.40	440	5	7.22	12.1	NA	1.03	1937	62.3
MW-11															
7/13/2000	ND	ND	ND	NA	NA	50	1.20	158	NA	6.52	15.02	4.3	0.44	1712	147
MW-12															
7/12/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.41	13.92	2.6	0.26	2110	195
6/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.88	12.69	3.0	0.31	2127	-70.9
5/13/2003	NA	NA	NA	3400	250	150	0.12	480	6.1	7.53	12.43	NA	1.43	2207	-16.6
MW-13															
6/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.7	11.9	0.0	0.00	3164	-197.9
5/13/2003	NA	NA	NA	270	140	1200	0.44	340	6.7	6.98	10.13	NA	1.19	4676	-238.4
MW-14															
7/12/2000	ND	ND	ND	NA	NA	390	ND	314	NA	6.32	12.57	4.1	0.42	2759	315
6/11/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.70	12.33	4.6	NA	2280	NA
5/13/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.87	11.29	NA	1.15	2149	66.5
MW-15															
7/12/2000	ND	ND	ND	NA	NA	380	3.5	210	NA	6.64	14.35	5.2	0.51	2212	273
5/13/2003	NA	NA	NA	1500	180	160	0.12	180	5.2	7.2	13.56	NA	1.13	1716	-40.2
MW-16															
6/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.05	14.52	7.6	0.65	1298	64.4
5/13/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.19	12.95	NA	1.70	1329	-52.8
MW-17															
6/12/2002	NA	NA	NA	NA	NA	68	0.21	70	NA	7.25	14.91	5.9	0.60	1041	20.4
5/13/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.31	13.64	NA	0.90	1020	-127.6
MW-18															
6/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.91	11.7	3.1	0.34	1553	108.2
5/13/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.66	12.74	NA	0.70	1262	79.7
MW-19															
6/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.28	15.71	4.1	0.41	1680	85.5
5/13/2003	NA	NA	NA	<18	290	140	0.51	280	7.5	7.45	14.94	NA	0.56	1795	84.6
MW-20															
6/12/2002	NA	NA	NA	NA	NA	350	0.20	260	NA	6.92	12.90	2.5	0.26	2425	22.0
5/13/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	7	11.73	NA	1.12	2193	-72.2

PAL - Chapter NR 140 Wisconsin Administrative Code Preventive Action Limit
ES - Chapter NR 140 Wisconsin Administrative Code Enforcement Standard
ND = Parameter not detected above method detection limits.
NA = Parameter not analyzed.
NE = None Established
Concentrations in bold indicate a PAL exceedance
Concentrations outlined and in bold indicate an ES exceedance

J:\COMMON\10251002-Ampco Metals\ENSR GW data.xls

TABLE 7
HISTORICAL GROUNDWATER ANALYTICAL RESULTS - PAHs
AMPCO METALS
1745 South 38th Street, Milwaukee, Wisconsin 53215

SAMPLE IDENTIFICATION AND DATE	1-Methylnaphthalene	2-Methylnaphthalene	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	Naphthalene	Phenanthrene	Pyrene
ES	NL	NL	NL	NL	3,000	NL	0.2	0.2	NL	NL	0.2	NL	400	400	NL	40	NL	250
PAL	NL	NL	NL	NL	600	NL	0.02	0.02	NL	NL	0.02	NL	80	80	NL	8	NL	80
MW-1B 6/12/2002	<0.028	<0.027	<0.018	<0.023	<0.020	<0.019	<0.012	<0.014	<0.015	<0.013	<0.018	<0.017	<0.028	<0.021	<0.014	<0.027	<0.019	<0.020
5/13/2003	<0.018	0.018	<0.018	<0.019	<0.020	0.11	0.14	0.15	0.12	0.13	0.16	0.034	0.31	<0.017	0.1	<0.024	0.22	0.29
MW-1D 6/12/2002	<0.028	<0.027	<0.018	<0.023	<0.020	<0.019	<0.012	<0.014	<0.015	<0.013	<0.018	<0.017	<0.028	<0.021	<0.014	<0.027	<0.019	<0.020
5/13/2003	<0.018	<0.017	<0.018	<0.019	<0.020	<0.012	<0.014	0.016	0.045	<0.018	0.019	0.031	<0.013	<0.017	0.033	<0.024	<0.016	<0.017
MW-2D 6/12/2002	<0.028	<0.027	<0.018	<0.023	<0.020	0.091	0.11	0.15 B	0.085	0.085	0.11 B	0.025	<0.028	<0.021	0.070	<0.027	0.056	0.18
5/13/2003	<0.018	<0.017	<0.018	<0.019	<0.020	0.028	0.045 B	0.047 B	0.036	0.039	0.047 B	<0.016	0.085	<0.017	0.031	<0.024	0.033	0.076
MW-3S 6/11/2002	<0.028	<0.027	<0.018	<0.023	<0.020	<0.019	0.022	0.021	0.018	0.015	<0.018	<0.017	<0.028	<0.021	<0.014	<0.027	<0.019	0.035
5/13/2003	<0.018	<0.017	<0.018	<0.019	<0.020	<0.012	<0.014	<0.013	<0.016	<0.019	<0.014	<0.016	<0.013	<0.017	<0.021	<0.024	<0.016	<0.017
MW-3D 6/12/2001	Well could not be located.																	
5/13/2003	Well could not be located.																	
MW-4S 6/11/2002	<0.028	<0.027	<0.018	0.033	<0.020	<0.019	<0.012	<0.014	<0.015	<0.013	<0.018	<0.017	<0.028	<0.021	<0.014	<0.027	<0.019	0.058
5/13/2003	<0.018	0.019	0.034	0.041	0.045	0.02	<0.014	0.021	0.019	<0.019	0.048	<0.016	0.046	0.022	<0.021	0.042	0.023	0.12
MW-4D 6/11/2002	<0.028	<0.027	<0.018	<0.023	<0.020	<0.019	0.013	0.024	<0.015	0.013	0.020	<0.017	0.031	<0.021	<0.014	<0.027	<0.019	0.028
5/13/2003	<0.018	<0.017	<0.018	<0.019	<0.020	0.023	0.023	0.028	0.027	0.021	0.032	<0.016	0.039	<0.017	<0.021	<0.024	0.022	0.048
MW-5S 6/12/2002	NOT SAMPLED																	
5/13/2003	NOT SAMPLED																	
MW-6S 6/11/2002	<0.028	<0.027	0.020	<0.023	0.092	1.1 D	0.99 D	1.1 D	0.56 D	0.61 D	0.85 D	0.25	1.3 D	<0.021	0.55 D	<0.027	0.28	1.3 D
5/13/2003	<0.018	<0.017	<0.018	<0.019	0.054	0.64 D	0.5 D	0.65 D	0.4	0.44	0.61 D	0.14	0.83 D	<0.017	0.34	0.025	0.24	0.83 D
MW-7S 6/12/2002	Well could not be located and is presumed paved over.																	
5/13/2003	Well could not be located and is presumed paved over.																	
MW-8S 6/11/2002	<0.020	<0.027	<0.018	<0.023	<0.020	<0.019	<0.012	<0.014	<0.015	<0.013	<0.018	<0.017	<0.028	<0.021	<0.014	<0.027	<0.019	<0.020
5/13/2003	<0.018	<0.017	<0.018	<0.019	<0.020	<0.012	<0.014	<0.013	<0.016	<0.019	<0.014	<0.016	<0.013	<0.017	<0.021	<0.024	<0.016	<0.017
MW-9 6/12/2002	<0.028	<0.027	<0.018	<0.023	<0.020	<0.019	0.35	0.038	0.034	0.020	0.044	<0.017	<0.028	<0.021	0.020	<0.027	0.033	0.029
5/13/2003	<0.018	<0.017	<0.018	<0.019	<0.020	<0.012	<0.014	0.015	0.018	<0.019	0.024	<0.016	<0.013	<0.017	<0.021	<0.024	<0.016	<0.017
MW-10 6/11/2002	<0.028	<0.027	<0.018	<0.023	<0.020	<0.019	0.012	<0.014	<0.015	<0.013	0.020	<0.017	<0.028	<0.021	<0.014	<0.027	0.023	0.025
5/13/2003	<0.018	<0.017	<0.018	<0.019	<0.020	<0.012	<0.014	<0.013	<0.016	<0.019	<0.014	<0.016	<0.013	<0.017	<0.021	<0.024	<0.016	<0.017
MW-11 6/11/2002	Well could not be located and is presumed paved over.																	
5/13/2003	Well could not be located and is presumed paved over.																	
MW-12 6/12/2002	<0.028	<0.027	<0.018	<0.023	<0.020	<0.019	<0.012	0.014	0.016	<0.013	0.025	<0.017	<0.028	<0.021	<0.014	0.045	0.022	0.022
5/13/2003	<0.018	<0.017	<0.018	<0.019	0.02	0.1	0.087	0.095	0.072	0.03	0.11	0.024	0.10	<0.017	0.061	<0.024	0.11	0.18

TABLE 3
VOLATILE ORGANIC COMPOUND CONCENTRATIONS DETECTED IN GROUNDWATER
Former Ampco Metal, Inc.
Milwaukee, Wisconsin

Units are micrograms per liter

Sample ID	Date	Benzene	cis1,2-dichloroethene	Chloromethane	Naphthalene	Toluene	Trichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
MW-1	9/26/07	<1.0	39.1	<1.0	<4.0	2.4	<1.0	3.4	12.2
	10/7/08	2.3	7.8	<1.0	17.5	<2.0	<1.0	<2.0	15.8
	9/28/09	3.2	5.4	<4.0	124	<2.0	<1.0	<2.0	6.3
MW-2	9/26/07	4.0	<2.0	<1.0	<4.0	<2.0	<2.0	<2.0	<0.80
	10/7/08	3.5	<2.0	<1.0	<4.0	<2.0	<2.0	<2.0	<0.40
	9/28/09	4.0	<1.0	<4.0	<4.0	<1.0	<1.0	<1.0	<0.40
MW-5	9/26/07	4.4	<2.0	<1.0	<4.0	4.6	<2.0	<2.0	<0.80
MW-9	7/16/99	<2.5	110	<1.0	<4.0	<2.5	67	17	9.2
	7/12/00	<0.5	168	<1.0	<4.0	<1.0	42.3	12	10
	6/12/02	<0.48	<0.73	<1.0	<4.0	<0.47	8.4	8.9	5.1
	5/13/03	<0.41	98	<1.0	<4.0	<0.67	15	8.2	6.8
	7/5/06	<1.0	51.3	<1.0	<4.0	<1.0	<1.0	1.9	0.79
	1/30/07	<1.0	48.9	<1.0	<4.0	<1.0	28.2	3.4	1.2
	9/27/07	<1.0	33.8	<1.0	<4.0	<1.0	23.1	2.4	0.94
	10/7/08	<1.0	99.7	<1.0	<4.0	<1.0	4.2	6.3	6.1
	9/28/09	<1.0	135	<4.0	<4.0	<1.0	8.7	7.3	15.1
MW-12	7/16/99	<2.5	140	<1.0	<4.0	<2.5	3.8	7.2	62
	7/12/00	<0.5	143	<1.0	<4.0	<1.0	7	6.2	65.9
	6/12/02	<0.48	100	<1.0	<4.0	<0.47	3.7	6.6	45
	5/13/03	<0.41	120	<1.0	<4.0	<0.67	1.2	6.3	55
	1/4/06	<1.0	68	<1.0	<4.0	<1.0	13.7	4.7	4.8
	7/5/06	<1.0	86.1	<1.0	<4.0	<1.0	4.8	3.6	30.2
	1/30/07	<1.0	77	<1.0	<4.0	<1.0	5.5	3.6	15.1
	9/26/07	<1.0	93.4	<1.0	<4.0	<1.0	7.1	5.4	25.6
	10/7/08	<1.0	59.5	<1.0	<4.0	<1.0	6.8	4.5	15.5
	9/28/09	<1.0	62.6	<4.0	<4.0	<1.0	10.9	4.2	20.1
MW-14	5/23/00	<0.5	6.0	<1.0	<4.0	<1.0	<0.5	<0.5	<0.2
	7/12/00	<0.5	3.3	<1.0	<4.0	<1.0	<0.5	<0.5	<0.2
	8/18/00	<0.27	3.4	<1.0	<4.0	<0.29	0.5	0.45	<0.20
	6/11/00	<0.48	6.5	<1.0	<4.0	<0.47	7.3	<0.79	<0.18
	5/13/03	<0.41	7.0	<1.0	<4.0	<0.67	17	<0.67	<0.18
	7/5/06	<1.0	8.1	<1.0	<4.0	<1.0	12.7	<1.0	<0.40
	1/30/07	<1.0	17.4	<1.0	<4.0	<1.0	24.6	1.2	<0.40
	9/26/07	<1.0	13	<1.0	<4.0	<1.0	12.3	1.5	<0.40
	10/7/08	<1.0	11.0	<1.0	<4.0	<1.0	11.1	1.5	1.5
	9/28/09	<1.0	20.3	<4.0	<4.0	<1.0	11.4	1	2.5
MW-15	5/23/00	<0.5	42.6	<1.0	<4.0	<1.0	10.2	3.5	3.4
	7/12/00	<0.5	20.8	<1.0	<4.0	<1.0	19.2	2	1.3
	8/18/00	<0.27	57	<1.0	<4.0	<0.29	9.0	5.2	6.0
	6/11/00	<0.48	45	<1.0	<4.0	<0.47	15	4.7	2.5
	5/13/03	<0.41	70	<1.0	<4.0	<0.67	1.3	4.7	9.1
	1/4/06	<1.0	58.6	<1.0	<4.0	<1.0	11.8	6.2	6.6
	7/5/06	<1.0	68.9	<1.0	<4.0	<1.0	17.4	4.7	6
	1/30/07	<1.0	51.7	<1.0	<4.0	<1.0	10.9	3.7	7.3
	9/26/07	<1.0	65.4	<1.0	<4.0	<1.0	16.2	6.1	10.1
	10/7/08	<1.0	49	<1.0	<4.0	<1.0	17.5	5.2	11.8
	9/28/09	<1.0	61.4	<4.0	<4.0	<1.0	12	4.5	9
	ES	5	70	3	100	1000	5	100	0.2
	PAL	0.5	7	0.3	10	200	0.5	20	0.02

TABLE 3
VOLATILE ORGANIC COMPOUND CONCENTRATIONS DETECTED IN GROUNDWATER
Former Ampco Metal, Inc.
Milwaukee, Wisconsin

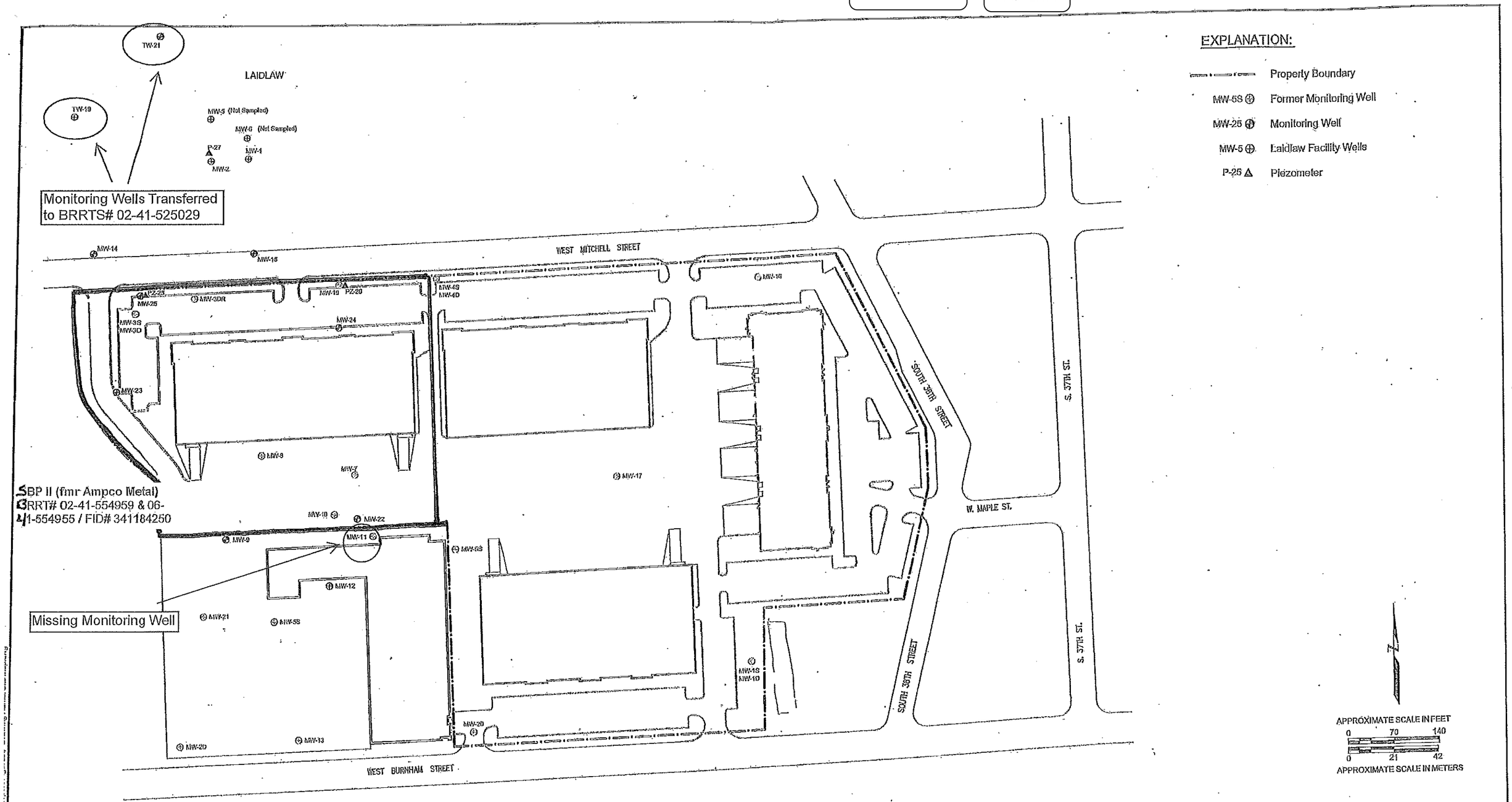
Units are micrograms per liter

Sample ID	Date	Benzene	cis-1,2-dichloroethene	Chloromethane	Naphthalene	Toluene	Trichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
MW-22	1/4/06	<1.0	**85.9**	<1.0	<4.0	<1.0	**2.5**	2.5	**42.5**
	7/5/06	<1.0	**90.4**	<1.0	<4.0	<1.0	<1.0	<1.0	**24.5**
	1/30/07	<1.0	**71.1**	<1.0	<4.0	<1.0	<1.0	2.1	**25.2**
	9/27/07	<1.0	**51.2**	<1.0	<4.0	<1.0	**2.6**	1.4	**16.4**
	10/7/08	<1.0	**71.2**	<1.0	<4.0	<1.0	**6.4**	1.9	**50.2**
	9/28/09	<1.0	**69.6**	<4.0	<4.0	<1.0	**2.1**	<1.0	**46.9**
MW-23	1/4/06	<1.0	<1.0	<1.0	<4.0	<1.0	**20.7**	<1.0	<0.40
	7/6/06	<1.0	1.0	<1.0	<4.0	<1.0	**30.2**	<1.0	<0.40
	1/30/07	<1.0	2.1	<1.0	<4.0	<1.0	**41.5**	<1.0	<0.40
	9/27/07	<1.0	1.4	<1.0	<4.0	<1.0	**38.4**	<1.0	<0.40
	10/7/08	<1.0	<1.0	<1.0	<4.0	<1.0	**18.3**	<1.0	<0.40
	9/28/09	<1.0	<1.0	<4.0	<4.0	<1.0	**11.3**	<1.0	<0.40
MW-24	1/4/06	<1.0	**12.1**	<1.0	<4.0	<1.0	<1.0	<1.0	**38**
	7/6/06	<1.0	**13**	<1.0	<4.0	<1.0	<1.0	<1.0	**43.6**
	1/30/07	<1.0	**10.7**	<1.0	<4.0	<1.0	<1.0	<1.0	**33.5**
	9/26/07	<1.0	**11**	<1.0	<4.0	<1.0	<1.0	<1.0	**56.3**
	10/7/08	<1.0	**13.2**	<1.0	<4.0	<1.0	<1.0	<1.0	**38.5**
	9/28/09	<1.0	**14.7**	<4.0	<4.0	<1.0	<1.0	<1.0	**20.6**
MW-25	1/4/06	<1.0	2.9	<1.0	<4.0	<1.0	**13**	<1.0	<0.40
	7/6/06	<1.0	2.1	<1.0	<4.0	<1.0	**6.5**	<1.0	<0.40
	1/30/07	<1.0	<1.0	<1.0	<4.0	<1.0	**6.2**	<1.0	<0.40
	9/26/07	<1.0	<1.0	<1.0	<4.0	<1.0	**3.8**	<1.0	<0.40
	10/7/08	<1.0	<1.0	<1.0	<4.0	<1.0	**3.3**	<1.0	<0.40
	9/28/09	<1.0	<1.0	<4.0	<4.0	<1.0	**2.9**	<1.0	<0.40
PZ-25	1/4/06	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<0.40
	7/6/06	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<0.40
	1/30/07	<1.0	<1.0	<1.0	<4.0	<1.0	**1.1**	<1.0	<0.40
	9/26/07	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<0.40
	10/7/08	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<0.40
	9/28/09	<1.0	<1.0	<4.0	<4.0	<1.0	<1.0	<1.0	<0.40
PZ-26	1/4/06	<1.0	4.3	<1.0	<4.0	<1.0	<1.0	<1.0	**24.4**
	7/6/06	<1.0	6.8	<1.0	<4.0	<1.0	<1.0	<1.0	**32**
	1/30/07	<1.0	5.2	<1.0	<4.0	<1.0	<1.0	<1.0	**13.4**
	9/26/07	<1.0	6.1	<1.0	<4.0	<1.0	<1.0	<1.0	**23.5**
	10/7/08	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	**14.9**
	9/28/09	<1.0	6.8	<4.0	<4.0	<1.0	<1.0	<1.0	**11.5**
PZ-27	9/27/07	<1.0	**36.5**	<1.0	<4.0	3.3	<1.0	3.4	**11.5**
	6/26/08	<1.0	**37.5**	<1.0	<4.0	<1.0	<1.0	2.8	**12**
	10/7/08	<1.0	**46.2**	<1.0	<4.0	<1.0	<1.0	3.1	**15.6**
	9/28/09	<1.0	**40.7**	<4.0	<4.0	<1.0	<1.0	3.2	**16.4**
TW-19	2/7/01	< 5.0	**27**	< 5.0	< 5.0	< 5.0	< 5.0	**18**	< 5.0
	9/26/07	<1.0	<1.0	<1.0	<4.0	2.5	<1.0	<1.0	<0.40
	10/7/08	<1.0	**13.1**	<1.0	<4.0	<2.0	<1.0	3.0	<0.40
	9/28/09	<1.0	**20.7**	<4.0	<4.0	<2.0	<1.0	4.2	**1.6**
TW-21	1/4/06	<1.0	3.7	<1.0	<4.0	<1.0	<1.0	<1.0	<0.40
	7/5/06	<1.0	3.5	<1.0	<4.0	<1.0	<1.0	<1.0	<0.40
	1/30/07	<1.0	3	<1.0	<4.0	<1.0	<1.0	<1.0	**0.98**
	10/7/08	<1.0	2.1	**1.8**	<4.0	<1.0	<1.0	<1.0	<0.40
	9/28/09	<1.0	1.8	<1.0	<4.0	<1.0	<1.0	<1.0	**0.49**
ES		5	70	3	100	1000	5	100	0.2
PAL		0.5	7	0.3	10	200	0.5	20	0.02

Shaded data were collected prior to implementation of remedial actions at the Site.
Bold data exceed Preventative Action Limits.
ESs - Enforcement Standards (NR 140.10)
PALs - Preventative Action Limits (NR 140.10)

MONITORING WELL NOT ABANDONED

SOURCE PROPERTY



SITE MAP
Former Ampco Metal, Inc.
Milwaukee, Wisconsin

By: MJC	Date: 03/10/09	Project No. 9432.000
AMEC Geomatrix		Figure 1

BASEMAP MODIFIED FROM DRAWING PROVIDED BY WELMAN ARCHITECTS, INC DATED APRIL 6, 2007

MONITORING WELL NOT ABANDONED

SOURCE PROPERTY

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name **Ampco Metal**	Local Grid Location of Well _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name **MW-11**
ility License, Permit or Monitoring Number _ _ _ _ _ _ _ _	Grid Origin Location Lat. ___ ___ ___ Long. ___ ___ ___ or St. Plane _____ ft. N, _____ ft. E.	Wis. Unique Well Number DNR Well Number _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
Type of Well Water Table Observation Well ☒ 11 Piezometer ☐ 12	Section Location of Waste/Source SW 1/4 of NW 1/4 of Sec. 1, T. 6 N, R. 21 ☒ E. ☐ W.	Date Well Installed 0 7 / 1 4 / 9 9 m m d d y y
Distance Well Is From Waste/Source Boundary ft.	Location of Well Relative to Waste/Source u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Well Installed By: (Person's Name and Firm) **Briohn Environmental Contractors, I** **Mark and Dick**
Is Well A Point of Enforcement Std. Application? ☒ Yes ☐ No		

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation __623.87_ ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom _____ ft. MSL or _____ 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

. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of water (attach analysis):
_____

E. Bentonite seal, top _____ ft. MSL or __1.0_ ft.

F. Fine sand, top _____ ft. MSL or __8.0_ ft.

G. Filter pack, top _____ ft. MSL or __9.0_ ft.

H. Screen joint, top _____ ft. MSL or __10.0_ ft.

I. Well bottom _____ ft. MSL or __20.0_ ft.

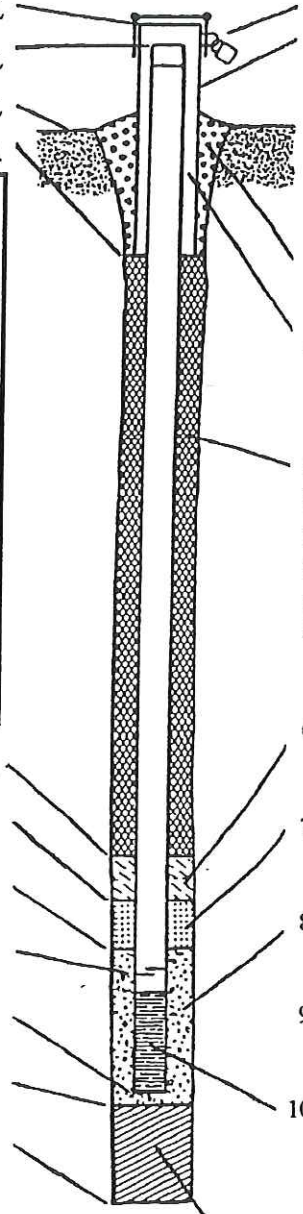
J. Filter pack, bottom _____ ft. MSL or __20.0_ ft.

K. Borehole, bottom _____ ft. MSL or __20.0_ ft.

L. Borehole, diameter __8.50 in.

M. O.D. well casing __2.07_ in.

N. I.D. well casing __2.00_ in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: __9.00 in.
b. Length: __1.0_ ft.
c. Material: Steel ☒ 04
Flushmount 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
Annular space seal ☒
_____ Other ☐

5. Annular space seal: a. Granular 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 pellets ☐ 32
c. _____ Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. **Red Flint #45/55**
b. Volume added _____ ft³

8. Filter pack material: Manufacturer, product name & mesh size
a. **Red Flint #30**
b. Volume added _____ ft³

9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
_____ Other ☐

10. Screen material: **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 ☐

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

Signature

Firm **Sigma Environmental Services, Inc.**
220 E. Ryan Road, Oak Creek, WI 53154 (414) 768-7144

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs 144,147 & 160, Wis Stats, and ch NR 141, Wis Ad Code. In accordance with ch 144, Wis Stats, failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch 147, Wis Stats, failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

5483

State of Wisconsin
Department of Natural Resources
http://dnr.wi.gov

Impacted Off-Source Property Information

Form 4400-246 (R 3/08)

This fillable form is intended to provide a list of information that must be submitted for evaluation for case closure. It is to be used in conjunction with Form 4400-202, Case Closure Request (Section H). 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 #: 02-41-554962

ACTIVITY NAME: COAKLEY (FMR AMPCO METAL)

ID	Off-Source Property Address	Parcel Number	WTM X	WTM Y
A	4111 W Mitchell St	4571371000	685863	284139
B	4150 W Burnham St	4579967100	685795	284084
C	4100 W Mitchell St	4571001002	685820	284218
D				
E				
F				
G				
H				
I				

OFF-SOURCE
A
PROPERTY

amec

January 12, 2010

Mr. Jeff Hall
SBP II LLC
90 south 7th Street, Suite 4500
Minneapolis, MN 55402

RE: **Notice of Residual Groundwater Impacts**
4100 W. Burnham Street
Milwaukee, Wisconsin
WDNR BRRTS No. 02-41-554962 & 06-41-554957

Dear Mr. Hall:

Groundwater contamination that appears to have originated on the property located at 4100 W. Burnham Street and currently owned by Coakley Land LLC has migrated onto the property located at 4111 W. Mitchell Street, Milwaukee, Wisconsin. AMEC has enclosed a figure showing monitoring well locations and historical groundwater quality. The levels of trichloroethene, 1,2-dichloroethene, and vinyl chloride contamination on the property located at 4111 W. Mitchell Street are above state groundwater enforcement standards found in chapter NR 140, Wisconsin Administrative Code. However, this groundwater contaminant plume is stable or receding and will naturally degrade over time. We believe that allowing natural attenuation to complete the cleanup at this site will meet the requirements for case closure under ch. NR 746, Wisconsin Administrative Code, and Coakley Land LLC will be requesting that the WDNR accept natural attenuation as the final remedy for this site and grant case closure. Closure means that the Department will not be requiring any further investigation or cleanup action to be taken, other than the reliance on natural attenuation.

Neither SBP II LLC nor any subsequent owner of the property located at 4111 W. Mitchell Street will be held responsible for investigation or cleanup of groundwater contamination originating at 4100 W. Burnham Street, as long as SBP II LLC and any subsequent owners comply with the requirements of section 292.12, Wisconsin Statues, including allowing access to your property for environmental investigation or cleanup, if access is required. To obtain a copy of WDNR publication #RR-589, Fact Sheet 10: Guidance for Dealing with Properties Affected by Off-Site Contamination, you may visit http://www.dnr.wi.gov/org/aw/rr/archives/pubs/RR589.pdf.

The WDNR will not review Coakley Land LLC's closure request for at least 30 days after the date of this letter. As an affected property owner, you have a right to contact the WDNR to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information to the WDNR that is relevant to this closure request, you should mail that information to the following address:

Wisconsin Department of Natural Resources
2300 N Dr Martin Luther King Dr
Milwaukee, WI 53212
Attn: Andrew Boettcher

OFF-SOURCE
A
PROPERTY

amec

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

Once the WDNR makes a decision on the Coakley Land LLC closure request, it will be documented in a letter. If the WDNR grants closure, you may obtain a copy of this letter by requesting a copy from Coakley Land LLC, by writing to the agency address given above, or by accessing the WDNR GIS Registry of Closed Remediation Sites on the internet at http://dnr.wi.gov/org/aw/rr/gis/. A copy of the closure letter is included as part of the site file on the GIS Registry of Closed Remediation Sites.

Should you or any subsequent property owner wish to construct or reconstruct a well on your property, special well construction standards may be necessary to protect the well from the residual groundwater contamination. Any well driller who proposes to construct a well on your property in the future will first need to obtain approval from a regional water supply specialist in WDNR's Drinking Water and Groundwater Program. The well construction application, form 3300-254, is on the internet at http://dnr.wi.gov/org/water/dwg/3300254.pdf, or may be accessed through the GIS Registry web address in the preceding paragraph.

If you need more information, you may contact the undersigned at Midwest Plaza Building, 800 Marquette Ave., Suite 1200, Minneapolis, MN 55402 and (612) 252-3680, or you may contact Mr. Andrew Boettcher of the WDNR at (414) 263-8541.

Sincerely,

AMEC Geomatrix, Inc.

Michael J Beck

Mr. Michael Beck, P.E.
Senior Engineer

Enclosures:

-- Figure 1. Volatile Organic Compound Concentrations in Groundwater
-- Legal Description for 4111 W Mitchell Street

Distribution: Andrew Boettcher (WDNR)

OFF-SOURCE
B
PROPERTY

amec

December 8, 2010

Mr. Todd Buchund
First Group America, Inc
600 Vine Street, Suite 1400
Cincinnati, Ohio 45202

RE: **Notice of Residual Groundwater Impacts**
Stadium Business Park II (Former Ampco Metal, Inc. Site)
4111 W. Mitchell St.
Milwaukee, Wisconsin
WDNR BRRTS No. 02-41-554959 & 06-41-554955

Dear Mr. Buchund:

Groundwater contamination that appears to have originated on the property located at 4111 W. Mitchell Street (former Ampco Metal, Inc. Site) and currently owned by SBP I LLC (SBP) may has migrated onto your property located at 4100 W. Mitchell Street, Milwaukee, Wisconsin. AMEC has enclosed a figure showing monitoring well locations and historical groundwater quality. The levels of trichloroethene, 1,2-dichloroethene, and vinyl chloride contamination on your property are above state groundwater enforcement standards found in chapter NR 140, Wisconsin Administrative Code. However, this groundwater contaminant plume is stable or receding and will naturally degrade over time. We believe that allowing natural attenuation to complete the cleanup at this site will meet the requirements for case closure under ch. NR 746, Wisconsin Administrative Code, and SBP will be requesting that the WDNR accept natural attenuation as the final remedy for this site and grant case closure. Closure means that the Department will not be requiring any further investigation or cleanup action to be taken, other than the reliance on natural attenuation.

Since the source of the groundwater contamination is not on your property, neither you nor any subsequent owner of your property will be held responsible for investigation or cleanup of this groundwater contamination, as long as you and any subsequent owners comply with the requirements of section 292.12, Wisconsin Statues, including allowing access to your property for environmental investigation or cleanup, if access is required. To obtain a copy of WDNR publication #RR-589, Fact Sheet 10: Guidance for Dealing with Properties Affected by Off-Site Contamination, you may visit http://www.dnr.wi.gov/org/aw/rr/archives/pubs/RR589.pdf.

The WDNR will not review SBP's closure request for at least 30 days after the date of this letter. As an affected property owner, you have a right to contact the WDNR to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information to the WDNR that is relevant to this closure request, you should mail that information to the following address:

Wisconsin Department of Natural Resources
2300 N Dr Martin Luther King Dr
Milwaukee, WI 53212
Attn: Andrew Boettcher

OFF-SOURCE
B
PROPERTY

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

Once the WDNR makes a decision on the SBP closure request, it will be documented in a letter. If the WDNR grants closure, you may obtain a copy of this letter by requesting a copy from SBP, by writing to the agency address given above, or by accessing the WDNR GIS Registry of Closed Remediation Sites on the internet at http://dnr.wi.gov/org/aw/rr/gis/. A copy of the closure letter is included as part of the site file on the GIS Registry of Closed Remediation Sites.

Should you or any subsequent property owner wish to construct or reconstruct a well on your property, special well construction standards may be necessary to protect the well from the residual groundwater contamination. Any well driller who proposes to construct a well on your property in the future will first need to obtain approval from a regional water supply specialist in WDNR's Drinking Water and Groundwater Program. The well construction application, form 3300-254, is on the internet at http://dnr.wi.gov/org/water/dwg/3300254.pdf, or may be accessed through the GIS Registry web address in the preceding paragraph.

If you need more information, you may contact the undersigned at Midwest Plaza Building, 800 Marquette Ave., Suite 1200, Minneapolis, MN 55402 and (612) 252-3680, or you may contact Mr. Andrew Boettcher of the WDNR at (414) 263-8541.

Sincerely,

AMEC Geomatrix, Inc.

Mr. Michael Beck, P.E.
Senior Engineer

Enclosures:

-- Figure 1. Volatile Organic Compound Concentrations in Groundwater
-- Legal Description for 4100 W Mitchell Street

Distribution: Jeff Hall (SBP I LLC)
Andrew Boettcher (WDNR)

OFF-SOURCE
C
PROPERTY

amec

January 12, 2010

Ms. Peggy Coakley
Trapper LLC
400 S. 5th Street
Milwaukee, WI 53204

RE: **Notice of Residual Groundwater Impacts**
4111 W. Mitchell Street and 4100 Burnham Street
Milwaukee, Wisconsin
WDNR BRRTS No. 02-41-554959 & 06-41-554955 and
WDNR BRRTS No. 02-41-554962 & 06-41-554957

Dear Ms. Coakley:

Groundwater contamination that appears to have originated on the property located at 4111 W. Mitchell Street (former Ampco Metal, Inc. Site) and currently owned by SBP II LLC and/or the property located at 4100 W. Burnham Street and currently owned by Coakley Land LLC may have migrated onto your property located at 4150 W. Burnham Street in Milwaukee, Wisconsin. AMEC has enclosed a figure showing monitoring well locations and historical groundwater quality. The levels of trichloroethene, 1,2-dichloroethene, and vinyl chloride contamination on your property located at 4150 W. Burnham Street may be above state groundwater enforcement standards found in chapter NR 140, Wisconsin Administrative Code. However, this groundwater contaminant plume is stable or receding and will naturally degrade over time. We believe that allowing natural attenuation to complete the cleanup at this site will meet the requirements for case closure under ch. NR 746, Wisconsin Administrative Code, and SBP II LLC and Coakley Land LLC will be requesting that the WDNR accept natural attenuation as the final remedy for these sites and grant case closure. Closure means that the Department will not be requiring any further investigation or cleanup action to be taken, other than the reliance on natural attenuation.

Since the source of the groundwater contamination is not on your property, neither you nor any subsequent owner of the property located at 4150 W. Burnham Street will be held responsible for investigation or cleanup of this groundwater contamination, as long as you and any subsequent owners comply with the requirements of section 292.12, Wisconsin Statues, including allowing access to your property for environmental investigation or cleanup, if access is required. To obtain a copy of WDNR publication #RR-589, Fact Sheet 10: Guidance for Dealing with Properties Affected by Off-Site Contamination, you may visit http://www.dnr.wi.gov/org/aw/rr/archives/pubs/RR589.pdf.

The WDNR will not review closure requests from SBP LLC and Coakley Land LLC for at least 30 days after the date of this letter. As an affected property owner, you have a right to contact the WDNR to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information to the WDNR that is relevant to this closure request, you should mail that information to the following address:

OFF-SOURCE
C
PROPERTY

amec

Wisconsin Department of Natural Resources
2300 N Dr Martin Luther King Dr
Milwaukee, WI 53212
Attn: Andrew Boettcher

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

Once the WDNR makes a decision on the SBP II LLC and Coakley Land LLC closure requests, they will be documented in a letter. If the WDNR grants closure, you may obtain a copy of this letter by requesting a copy from SBP II LLC and Coakley Land LLC, by writing to the agency address given above, or by accessing the WDNR GIS Registry of Closed Remediation Sites on the internet at http://dnr.wi.gov/org/aw/rr/gis/. A copy of the closure letter is included as part of the site file on the GIS Registry of Closed Remediation Sites.

Should you or any subsequent property owner wish to construct or reconstruct a well on your property, special well construction standards may be necessary to protect the well from the residual groundwater contamination. Any well driller who proposes to construct a well on your property in the future will first need to obtain approval from a regional water supply specialist in WDNR's Drinking Water and Groundwater Program. The well construction application, form 3300-254, is on the internet at http://dnr.wi.gov/org/water/dwg/3300254.pdf, or may be accessed through the GIS Registry web address in the preceding paragraph.

If you need more information, you may contact the undersigned at Midwest Plaza Building, 800 Marquette Ave., Suite 1200, Minneapolis, MN 55402 and (612) 252-3680, or you may contact Mr. Andrew Boettcher of the WDNR at (414) 263-8541.

Sincerely,

AMEC Geomatrix, Inc.

Michael D. Beck

Mr. Michael Beck, P.E.
Senior Engineer

Enclosures:

-- Figure 1. Volatile Organic Compound Concentrations in Groundwater
-- Legal Description for 4150 W Burnham Street

Distribution: Jeff Hall (SBP II LLC and Coakley Land LLC)
Andrew Boettcher (WDNR)

RIGHT-OF-WAY

amec

December 8, 2010

Union Pacific Railroad
c/o Real Estate/Property Management
4823 N. 119th St.
Milwaukee, WI 53225

RE: **Notice of Residual Groundwater Impacts**
Stadium Business Park II (Former Ampco Metal, Inc. Site)
4111 W. Mitchell St.
Milwaukee, Wisconsin
WDNR BRRTS No. 02-41-554959 & 06-41-554955

Dear Property Manager:

Groundwater contamination that appears to have originated on the property located at 4111 W. Mitchell Street (former Ampco Metal, Inc. Site) and currently owned by SBP I LLC (SBP) may have migrated onto your property located west of 4100 W. Mitchell Street and/or your property west of 4111 W. Mitchell Street, Milwaukee, Wisconsin. AMEC has enclosed a figure showing monitoring well locations and historical groundwater quality. The levels of trichloroethene, 1,2-dichloroethene, and vinyl chloride contamination on your property may be above state groundwater enforcement standards found in chapter NR 140, Wisconsin Administrative Code. However, this groundwater contaminant plume is stable or receding and will naturally degrade over time. We believe that allowing natural attenuation to complete the cleanup at this site will meet the requirements for case closure under ch. NR 746, Wisconsin Administrative Code, and SBP will be requesting that the WDNR accept natural attenuation as the final remedy for this site and grant case closure. Closure means that the Department will not be requiring any further investigation or cleanup action to be taken, other than the reliance on natural attenuation.

Since the source of the groundwater contamination is not on your property, neither you nor any subsequent owner of your property will be held responsible for investigation or cleanup of this groundwater contamination, as long as you and any subsequent owners comply with the requirements of section 292.12, Wisconsin Statues, including allowing access to your property for environmental investigation or cleanup, if access is required. To obtain a copy of WDNR publication #RR-589, Fact Sheet 10: Guidance for Dealing with Properties Affected by Off-Site Contamination, you may visit http://www.dnr.wi.gov/org/aw/rr/archives/pubs/RR589.pdf.

The WDNR will not review SBP's closure request for at least 30 days after the date of this letter. As an affected property owner, you have a right to contact the WDNR to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information to the WDNR that is relevant to this closure request, you should mail that information to the following address:

RIGHT-OF-WAY

amec

Wisconsin Department of Natural Resources
2300 N Dr Martin Luther King Dr
Milwaukee, WI 53212
Attn: Andrew Boettcher

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

Once the WDNR makes a decision on the SBP closure request, it will be documented in a letter. If the WDNR grants closure, you may obtain a copy of this letter by requesting a copy from SBP, by writing to the agency address given above, or by accessing the WDNR GIS Registry of Closed Remediation Sites on the internet at http://dnr.wi.gov/org/aw/rr/gis/. A copy of the closure letter is included as part of the site file on the GIS Registry of Closed Remediation Sites.

Should you or any subsequent property owner wish to construct or reconstruct a well on your property, special well construction standards may be necessary to protect the well from the residual groundwater contamination. Any well driller who proposes to construct a well on your property in the future will first need to obtain approval from a regional water supply specialist in WDNR's Drinking Water and Groundwater Program. The well construction application, form 3300-254, is on the internet at http://dnr.wi.gov/org/water/dwg/3300254.pdf, or may be accessed through the GIS Registry web address in the preceding paragraph.

If you need more information, you may contact the undersigned at Midwest Plaza Building, 800 Marquette Ave., Suite 1200, Minneapolis, MN 55402 and (612) 252-3680, or you may contact Mr. Andrew Boettcher of the WDNR at (414) 263-8541.

Sincerely,

AMEC Geomatrix, Inc.

Michael Beck

Michael Beck, P.E.
Senior Engineer

RIGHT-OF-WAY

Enclosures:

-- Figure 1. Volatile Organic Compound Concentrations in Groundwater
-- Legal Descriptions for Union Pacific Parcels

Distribution: Jeff Hall (SBP I LLC)
Andrew Boettcher (WDNR)

RIGHT-OF-WAY

amec

December 8, 2010

Mr. Jeffery Polenske, Chief Engineer
Infrastructure Services Division
City of Milwaukee Department of Public Works
841 N. Broadway
Milwaukee, WI 53202

RE: **Notice of Residual Groundwater Impacts Within Public Street or Right-of-Way**
Stadium Business Park II (Former Ampco Metal)
4111 W. Mitchell St.
Milwaukee, Wisconsin
WDNR BRRTS No. 02-41-554959 & 06-41-554955

Dear Mr. Polenske:

On behalf of SBP I LLC (SBP), AMEC Geomatrix, Inc (AMEC) is notifying the City of Milwaukee Department of Public Works regarding the presence of residual chlorinated solvent impacts in groundwater located within the West Mitchell Street right-of-way, north of the property located at 4111 W. Mitchell Street (former Ampco Metal, Inc. site). AMEC has petitioned the Wisconsin Department of Natural Resources (WDNR) for case closure for the former Ampco Metal, Inc. site, conditional upon filing of the appropriate GIS registry information and notifying municipal authorities of chlorinated impacts potentially extending in the public right-of-ways.

AMEC is notifying your department pursuant to Wisconsin Administrative Code (WAC), Chapter NR 726.05(2)(b)(4), of the potential presence of groundwater impacts beneath the right-of-way, which may exceed applicable WAC, Chapter NR 140 standards. AMEC has enclosed a figure showing monitoring well locations and historical groundwater quality.

If future construction activities require dewatering or if groundwater is to be otherwise extracted in the vicinity of the above-referenced site, the groundwater shall be sampled and managed in compliance with applicable statures and rules.

If you have any questions or comments, please contact the undersigned at Midwest Plaza Building, 800 Marquette Ave., Suite 1200, Minneapolis, MN 55402 and (612) 252-3680.

Sincerely,

AMEC Geomatrix, Inc.

Michael Beck

Michael Beck, P.E.
Senior Engineer

Enclosure: Figure 1. Volatile Organic Compound Concentrations in Groundwater

Distribution: Jeff Hall (SBP I, LLC)
Andrew Boettcher (WDNR)

RIGHT-OF-WAY

amec

December 8, 2010

Mr. James Stenzel, Superintendent
Village of West Milwaukee Department of Public Works
4517 W. Burnham Street
Milwaukee, WI 53214

RE: **Notice of Residual Groundwater Impacts Within Public Street or Right-of-Way**
Stadium Business Park II (Former Ampco Metal)
4111 W. Mitchell St.
Milwaukee, Wisconsin
WDNR BRRTS No. 02-41-554959 & 06-41-554955

Dear Mr. Stenzel:

On behalf of SBP I LLC (SBP), AMEC Geomatrix, Inc (AMEC) is notifying the Village of West Milwaukee Department of Public Works regarding the presence of residual chlorinated solvent impacts in groundwater located within the West Mitchell Street right-of-way, north of the property located at 4111 W. Mitchell Street (former Ampco Metal, Inc. site). AMEC has petitioned the Wisconsin Department of Natural Resources (WDNR) for case closure for the former Ampco Metal, Inc. site, conditional upon filing of the appropriate GIS registry information and notifying municipal authorities of chlorinated impacts potentially extending in the public right-of-ways.

AMEC is notifying your department pursuant to Wisconsin Administrative Code (WAC), Chapter NR 726.05(2)(b)(4), of the potential presence of groundwater impacts beneath the right-of-way, which may exceed applicable WAC, Chapter NR 140 standards. AMEC has enclosed a figure showing monitoring well locations and historical groundwater quality.

If future construction activities require dewatering or if groundwater is to be otherwise extracted in the vicinity of the above-referenced site, the groundwater shall be sampled and managed in compliance with applicable statures and rules.

If you have any questions or comments, please contact the undersigned at Midwest Plaza Building, 800 Marquette Ave., Suite 1200, Minneapolis, MN 55402 and (612) 332-8326.

Sincerely,

AMEC Geomatrix, Inc.

Michael J Beck

Michael Beck, P.E.
Senior Engineer

Enclosure: Figure 1. Volatile Organic Compound Concentrations in Groundwater

Distribution: Jeff Hall (SBP I LLC)
Andrew Boettcher (WDNR)