REVISED
10:19 am, Jan 22, 2015

GIS REGISTRY
Cover Sheet

POST CLOSURE

August 2011
(RR-5367)

Source Property Information

CLOSURE DATE: Nov 23, 2011

BRRTS #: **02-30-230967**

FID #: 230189080

ACTIVITY NAME: MACWHYTE FACILITY - FORMER

DATCP #:

PROPERTY ADDRESS: 2906 14th Ave

PECFA#:

MUNICIPALITY: Kenosha

PARCEL ID #: 10-223-19-377-002, 10-223-19-376-001, 10-223-19-312-001

***WTM COORDINATES:**

X: **698221** Y: **240063**

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

WTM COORDINATES REPRESENT:

- ○ Approximate Center Of Contaminant Source
- ◉ Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

Contaminated Media:

- ☒ Groundwater Contamination > ES *(236)*
  - ☒ Contamination in ROW
  - ☐ Off-Source Contamination

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

- ☒ Soil Contamination > *RCL or **SSRCL *(232)*
  - ☒ Contamination in ROW
  - ☐ Off-Source Contamination

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

Land Use Controls:

- ☐ N/A (*Not Applicable*)
- ☐ Soil: maintain industrial zoning *(220)*

  *(**note:** soil contamination concentrations between non-industrial and industrial levels)*
- ☐ Structural Impediment *(224)*
- ☐ Site Specific Condition *(228)*
- ☒ Cover or Barrier *(222)*

  *(**note:** maintenance plan for groundwater or direct contact)*
- ☐ Vapor Mitigation *(226)*
- ☐ Maintain Liability Exemption *(230)*

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

Monitoring Wells:

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

◉ Yes ○ No ○ N/A

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

PLEASE ASSEMBLE IN THIS ORDER

GIS Registry Checklist

Form 4400-245 (R 3/10)

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 #: 02-30-230967 *(No Dashes)* PARCEL ID #: 10-223-19-377-002, 10-223-19-376-001, 10-223-19-312-001

ACTIVITY NAME: MacWhyte Facility - Former WTM COORDINATES: X: 698157 Y: 239909

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**
- [ ] **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.*
- [x] **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: Plat Map**
- [x] **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: Site 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 #: 2 **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 #: Multiple **Title: Soil Isoconcentration Maps (Multiple)**

BRRTS #: 02-30-230967 ACTIVITY NAME: MacWhyte Facility - Former

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 #: Multiple **Title: Geologic Cross Section A-A**

Figure #: Multiple **Title: Geologic Cross Section E-E**

☒ **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 #: E **Title: Groundwater Isoconcentration Map**

☒ **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 #: **Title: Groundwater Contour Map**

Figure #: **Title: Hydrogeologic Potentiometric Map**

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 #: Multiple **Title: Confirmatory Soil Sample Results**

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

Table #: Multiple **Title: Groundwater Results**

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

Table #: **Title: Static Groundwater Elevations**

IMPROPERLY ABANDONED MONITORING WELLS

For each monitoring well not properly abandoned according to requirements of s. NR 141.25 include the following documents.
Note: *If the site is being listed on the GIS Registry for only an improperly abandoned monitoring well you will only need to submit the documents in this section for the GIS Registry Packet.*

☒ **Not Applicable**

☐ **Site Location Map:** A map showing all surveyed monitoring wells with specific identification of the monitoring wells which have not been properly abandoned.
Note: *If the applicable monitoring wells are distinctly identified on the Detailed Site Map this Site Location Map is not needed.*

Figure #: **Title:**

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

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

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

BRRTS #: 02-30-230967 ACTIVITY NAME: MacWhyte Facility - Former

NOTIFICATIONS

Source Property

☐ **Not Applicable**

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

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

Off-Source Property

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

☐ **Not Applicable**

☐ **Letter To "Off-Source" Property Owners:** Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.
Note: *Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.*

Number of "Off-Source" Letters:

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

☐ **Deed of "Off-Source" Property:** The most recent deed(s) as well as legal descriptions, for all affected deeded **off-source property(ies).** This does not apply to right-of-ways.
Note: *If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.*

☒ **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: 1

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
Sturtevant Service Center
9531 Rayne Rd
Sturtevant WI 53177

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

WISCONSIN
DEPT. OF NATURAL RESOURCES

November 23, 2011

ELM Investments LLC
Lee Graves
60 State Street, Suite 201
Peoria, IL 61602

SUBJECT: Final Case Closure with Continuing Obligations for Former MacWhyte Wire Rope Company, 2906 14th Ave., Kenosha, WI, FID 230189080, BRRTS 02-30-230967

Dear Mr. Graves:

On October 6 2011, the Southeast 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. Your consultant was notified that the Closure Committee had granted conditional closure to this case.

On October 31, 2011 the Department received information or documentation indicating that you have complied with the requirements for final closure. The monitoring well abandonment forms and updated maps for the GIS packet were submitted via email.

The Department reviewed the case closure request regarding the Chlorinated compounds and metals in 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

All site information, including the maintenance plan, is also on file at the Southeast Regional DNR office, at 9531 Rayne Road, Sturtevant, WI. 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/org/aw/rr/gis/index.htm. If the property is listed on the GIS Registry because of remaining contamination and you intend to construct or reconstruct a well, you will need prior Department approval in accordance with s. NR 812.09(4) (w), Wis. Adm. Code. To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This

form can be obtained on-line 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 **attached maintenance plans** are met.

Residual Soil Contamination

Residual soil contamination remains at various locations across the site as indicated on the **attached map** and in the information submitted to the Department of Natural Resources. If soil in the specific locations described above is excavated in the future, then pursuant to ch. NR 718 or, if applicable, ch. 289, Stats., and chs. 500 to 536, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken to prevent a direct contact health threat to humans.

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 various locations across 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 chlorinated compounds contamination greater than enforcement standards set forth in ch. NR140, Wis. Adm. Code, is present on this contaminated property as shown on the **attached map**.

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:

- Any activity or construction that results in the removal or modification of a structural impediment that obstructed a complete site investigation or cleanup
- Disturbance, construction on, change or removal in whole or part of pavement, an engineered cover or a soil barrier that must be maintained over contaminated soil

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

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 Shanna L. Laube-Anderson at 262-884-2341.

Sincerely,

Frances M. Koonce

Frances M. Koonce, Team Supervisor
Southeast Region Remediation & Redevelopment Program

CC: Brian Berner, ELM Consulting LLC., 13500 Watertown Plank Road, Suite 100, Elm Grove, Wisconsin 53211
Mike Lemens, Interim Director of Public Works, City of Kenosha, 625 52nd St., Kenosha, WI 53140

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
9531 Rayne Rd
Sturtevant WI 53177

POST CLOSURE

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

November 25, 2014

Shelly Billingsley, PE
City of Kenosha
625 52nd St.
Room 305
Kenosha, WI 53140

Subject: Completion of Cap Modification at Former MacWhyte Wire Rope Property, 2906 14th Ave., Kenosha, WI, FID 230189080, BRRTS 02-30-230967

Dear Ms. Billingsley,

On May 9, 2014 the Department approved the plan to complete development of an additional lacrosse field over a section of the Former MacWhyte Wire Rope Property. On October 22, 2014 the Department received the final documentation with the fee for Modification to the GIS Registry indicating that the development was complete.

As the construction of the lacrosse field did not cause a disturbance to the cap and actually increased the cap thickness, a new closure letter is not needed at this time. This letter is for your files indicating that the Department had been notified of the proposed construction and the final construction specifications, as required in the Closure letter dated November 23, 2011.

The information provided by your consultant, new cross sections and maps indicating the location of the new field, will all be added to the GIS packet online.

The Department appreciates your efforts to address the environmental concerns at this property and bring it back into use.

If you have any questions feel free to contact me at 262-884-2341.

Sincerely,

Shanna L. Laube-Anderson
Hydrogeologist
Remediation and Redevelopment Program.

Cc: Brian Berner, ELM Energy LLC, 13500 Watertown Plank Rd., Elm Grove, WI 53122
Mark A. Molinaro Jr., AIA, ALA, LEED® AP, Partners in Design Architects, 600 52nd Street, Suite 220, Kenosha, Wisconsin 53140

POST CLOSURE

ELM Energy LLC™
13500 Watertown Plank Rd.
Elm Grove, WI 53122
Telephone: (262) 786-1708
Fax: (262) 786-1740
www.elmllc.com

October 21, 2014

DNR Southeast Region
Attn: Ms. Victoria Stovall (RR Program Assistant)
Department of Natural Resources
2300 N. Martin Luther King Dr.
Milwaukee, WI 53212

Re: GIS Registry Update Memo and Associated Figures
Former MacWhyte Wire Rope Co.
2906 14th Ave.
Kenosha, WI 53140
FID #: 230189080
WDNR BRRTS # 02-30-230967

Dear Ms. Stovall:

Please find enclosed for WDNR review and approval, a GIS Registry Update Memo and Associated Figures for the Former MacWhyte Wire Rope Co. site located in Kenosha, WI. The memo and associated figures reflect the changes to the west-central portion of the site by the construction of an athletic field.

The required $300.00 fee to complete the update to the GIS Registry is also included.

If you have any questions or concerns, please do not hesitate to call.

Sincerely

ELM Energy, LLC

Brian Berner
Senior Scientist

Cc: Shelly Billingsley, P.E. – City of Kenosha
Mark Molinaro Jr., AIA, ALA, LEED® AP - Partners in Design Architects
Dan Dunn, P.E. – ELM Energy, LLC

Enclosure

POST CLOSURE

ELM Energy LLC™
13500 Watertown Plank Rd.
Elm Grove, WI 53122
Telephone: (262) 786-1708
Fax: (262) 786-1740
www.elmllc.com

October 10, 2014 ELM Project No. 00.0176.09

Shanna L. Laube-Anderson
Hydrogeologist
Sturtevant Service Center
Bureau of Remediation and Redevelopment
Wisconsin Department of Natural Resources
9531 Rayne Road, Suite 4
Sturtevant, WI 53177

SUBJECT: As-Built Figures for the Carthage College LaCrosse Field - MacWhyte Site

Dear Ms. Laube-Anderson:

ELM Energy, LLC (ELM) has completed the as-built cross-sections and planview figures for the post construction conditions of the Carthage College lacrosse field, recently completed on the former MacWhyte site (Site) (**Figure 1**). The figure-set documents the current grades of the project area and the vertical locations of the engineered barriers in the vicinity of the field. The development and review of the as-built grades/figures has been conducted on behalf of the City of Kenosha (the City). All new grade data was provided by Partners in Design Architects (on behalf of Carthage College). A summary of the design specifications and construction activities are summarized below.

- The practice athletic field was constructed on the west central portion of the Site and encompasses a portion of the Site and the adjacent (west) Petzke Park. The project location and limits are shown on **Figure 2**.
- The subsurface of the project limits were regraded to support approximately nine (9) - inches of topsoil. No subsurface soil was excavated (cut) within the Former MacWhyte site boundaries.
- Subsurface regrading activities did not penetrate the existing remedial soil caps.
- The ***Engineered Cap Maintenance Plan*** was not amended as soil material was added to the site within the project limits and the caps were not penetrated.
- Imported topsoil was spread to a thickness of approximately nine (9) - inches over the entire field surface.

POST CLOSURE

- The field was revegetated with an athletic grass seed blend.
- The sub-surface as built cross-section plan-view is shown as **Figure 3**.
- ELM used the available historic boring logs in concert with the Partners in Design Architect's post-construction survey data to develop accurate cross sections through the new practice field location (**Figures 4-5**).
- Copies of the figures are provided for the WDNR inclusion in the MacWhyte file and to update the GIS Registry.

If you have any questions or concerns, please do not hesitate to contact me by telephone at (262) 786-1708 or email at bberner@elmllc.com.

Best Regards,

ELM Energy, LLC

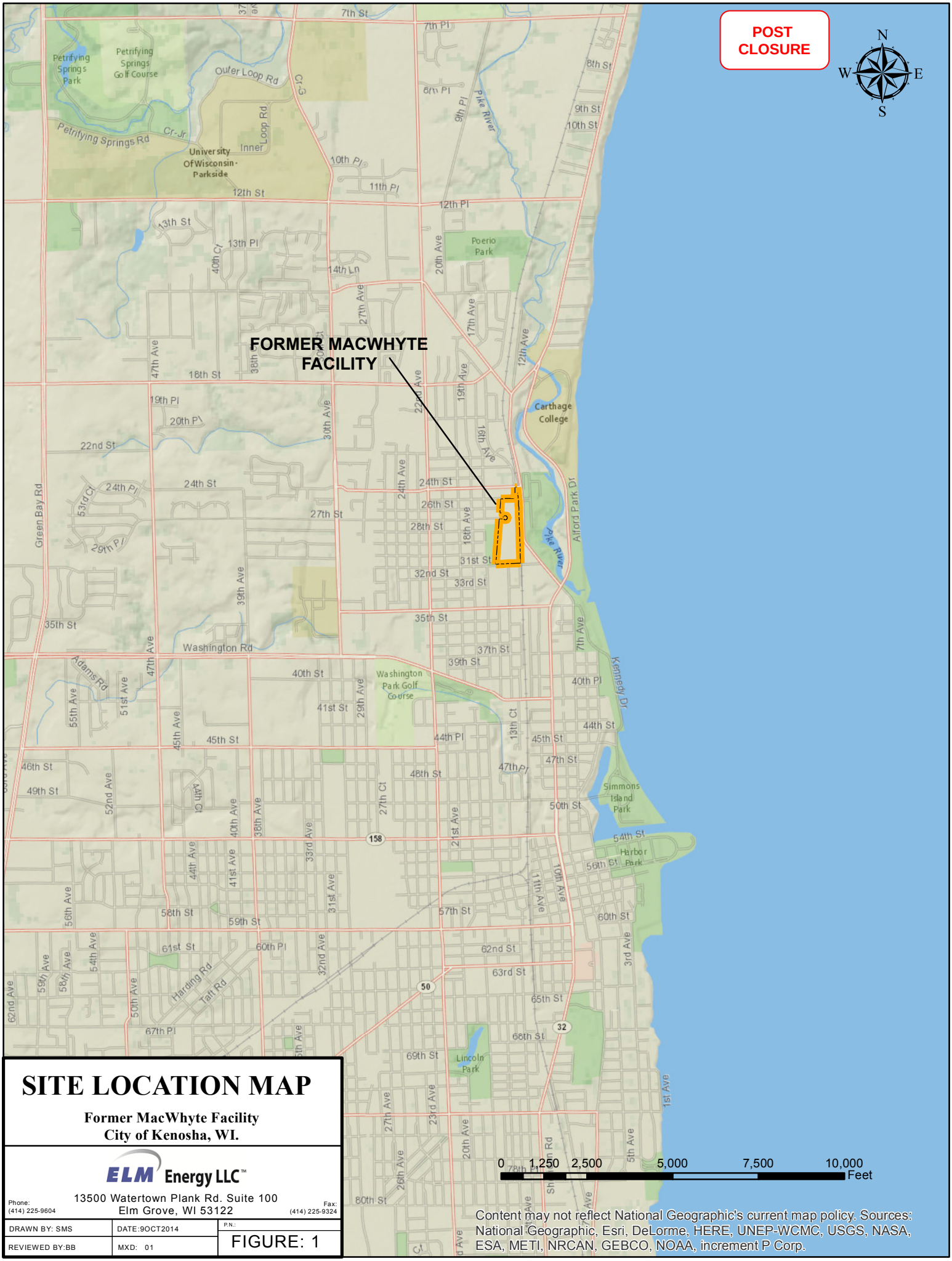
Brian Berner
Senior Consultant

Cc: Shelly Billingsley, P.E. – City of Kenosha
Mark Molinaro Jr., AIA, ALA, LEED® AP – Partners in Design Architects
Dan Dunn, P.E. – ELM Energy, LLC

Attachment – Figures

POST CLOSURE

FIGURES



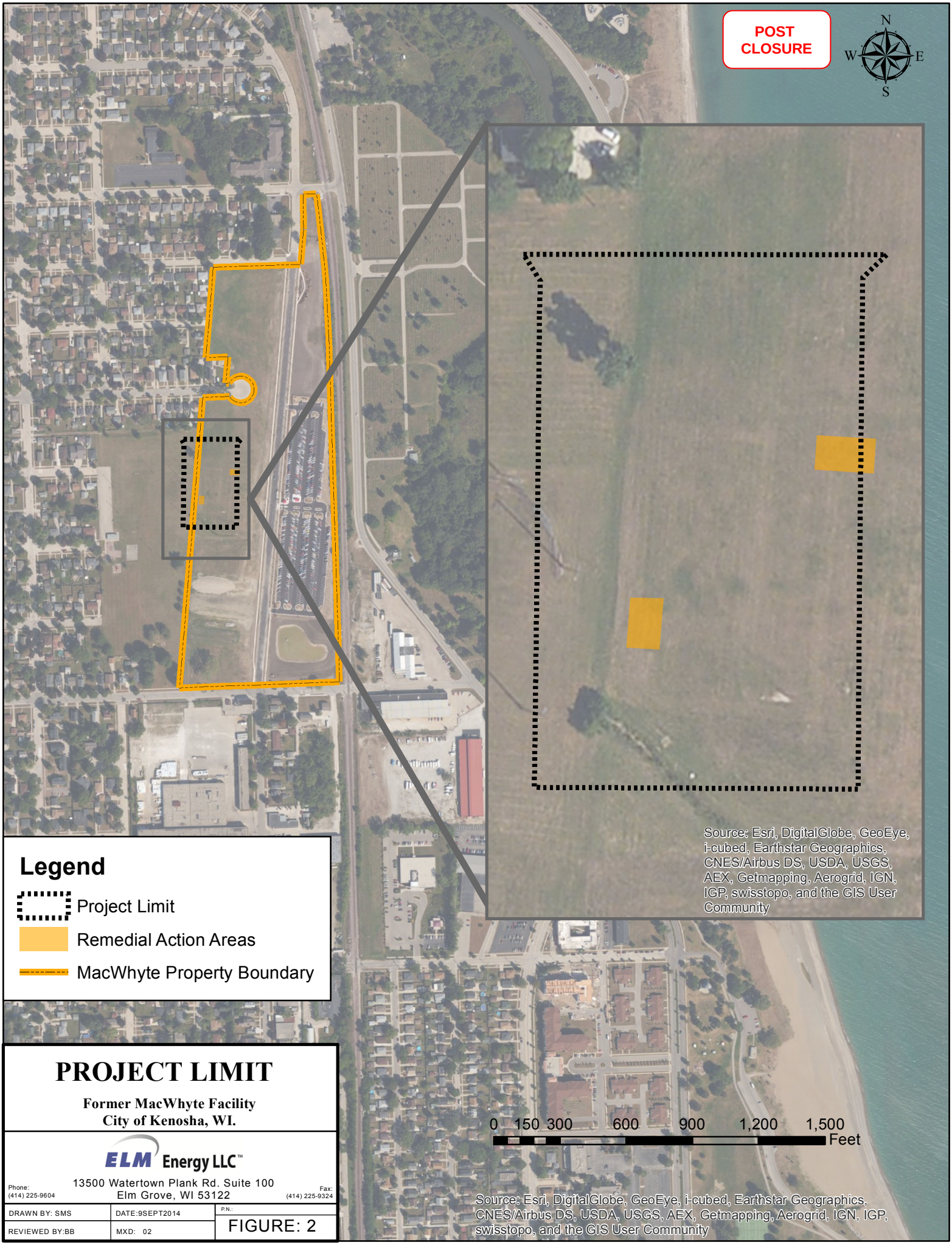
SITE LOCATION MAP

Former MacWhyte Facility
City of Kenosha, WI.

ELM Energy LLC™
13500 Watertown Plank Rd. Suite 100
Elm Grove, WI 53122
Phone: (414) 225-9604
Fax: (414) 225-9324

DRAWN BY: SMS	DATE:9OCT2014	P.N.:
REVIEWED BY:BB	MXD: 01	FIGURE: 1

Content may not reflect National Geographic's current map policy. Sources: National Geographic, Esri, DeLorme, HERE, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, increment P Corp.



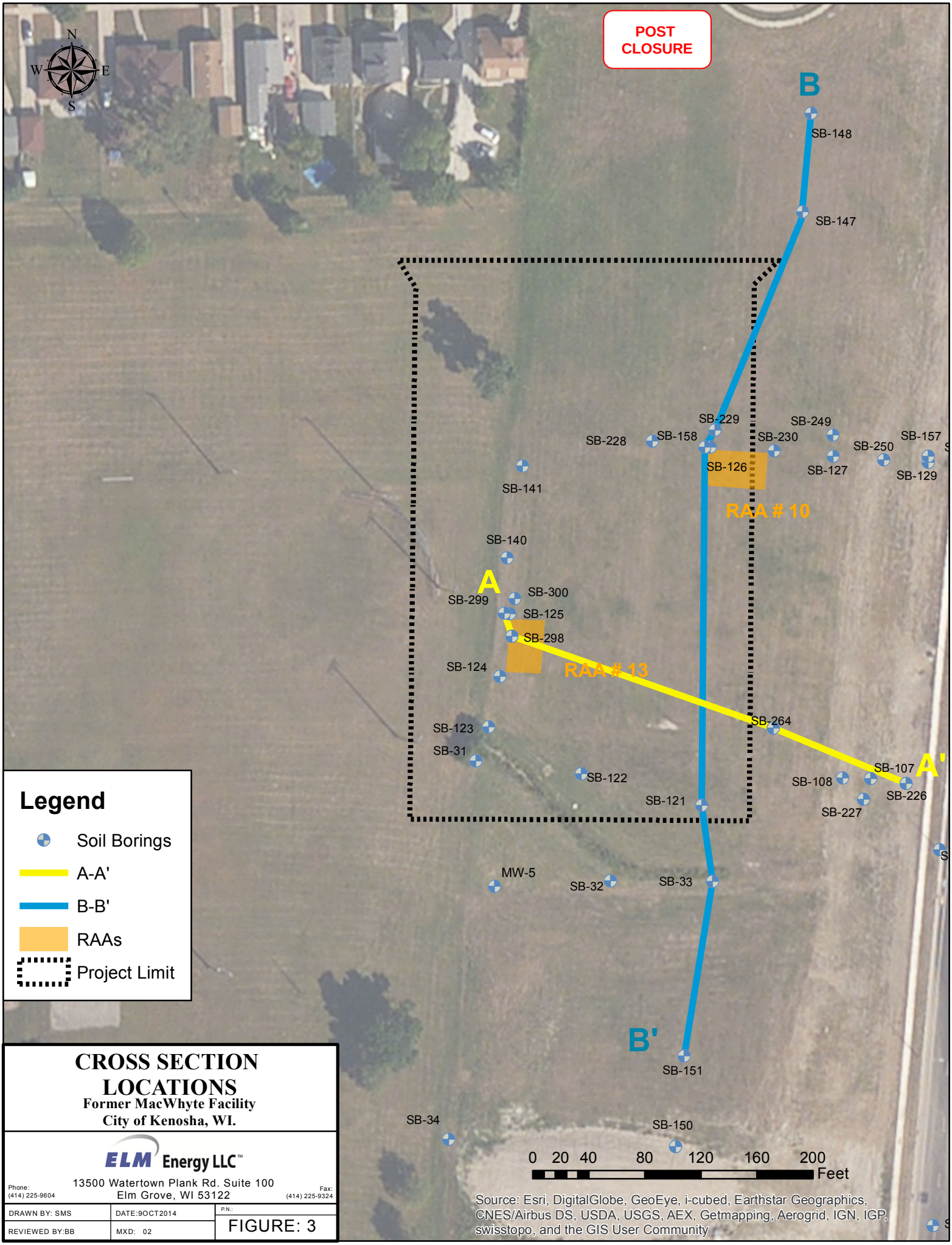
PROJECT LIMIT

Former MacWhyte Facility
City of Kenosha, WI.

ELM Energy LLC™

Phone: (414) 225-9604
13500 Watertown Plank Rd. Suite 100
Elm Grove, WI 53122
Fax: (414) 225-9324

DRAWN BY: SMS	DATE:9SEPT2014	P.N.:
REVIEWED BY:BB	MXD: 02	FIGURE: 2


POST CLOSURE
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SB-147
SB-229
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SB-228
SB-158
SB-230
SB-250
SB-157
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SB-127
SB-129
SB-141
RAA # 10
SB-140
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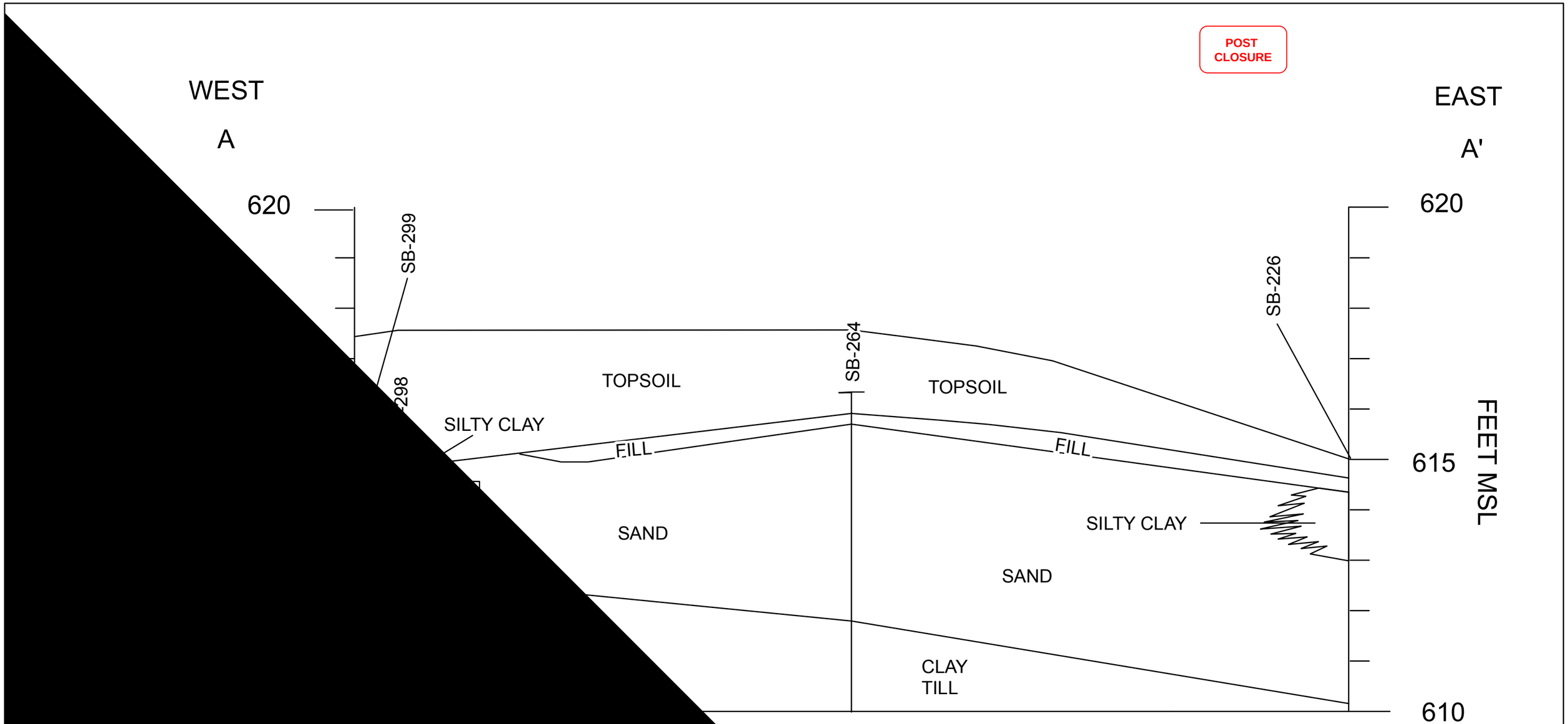
SB-300
SB-299
SB-125
SB-298
SB-124
RAA # 13
SB-264
SB-123
SB-31
SB-107
A'
SB-108
SB-226
SB-122
SB-121
SB-227
MW-5
SB-32
SB-33
B'
SB-151
SB-34
SB-150
0 20 40 80 120 160 200
Feet
Legend
Soil Borings
A-A'
B-B'
RAAs
Project Limit
CROSS SECTION LOCATIONS
Former MacWhyte Facility
City of Kenosha, WI.
ELM Energy LLC™
Phone: (414) 225-9604
13500 Watertown Plank Rd. Suite 100
Elm Grove, WI 53122
Fax: (414) 225-9324
DRAWN BY: SMS
DATE:9OCT2014
P.N.:
REVIEWED BY:BB
MXD: 02
FIGURE: 3
Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

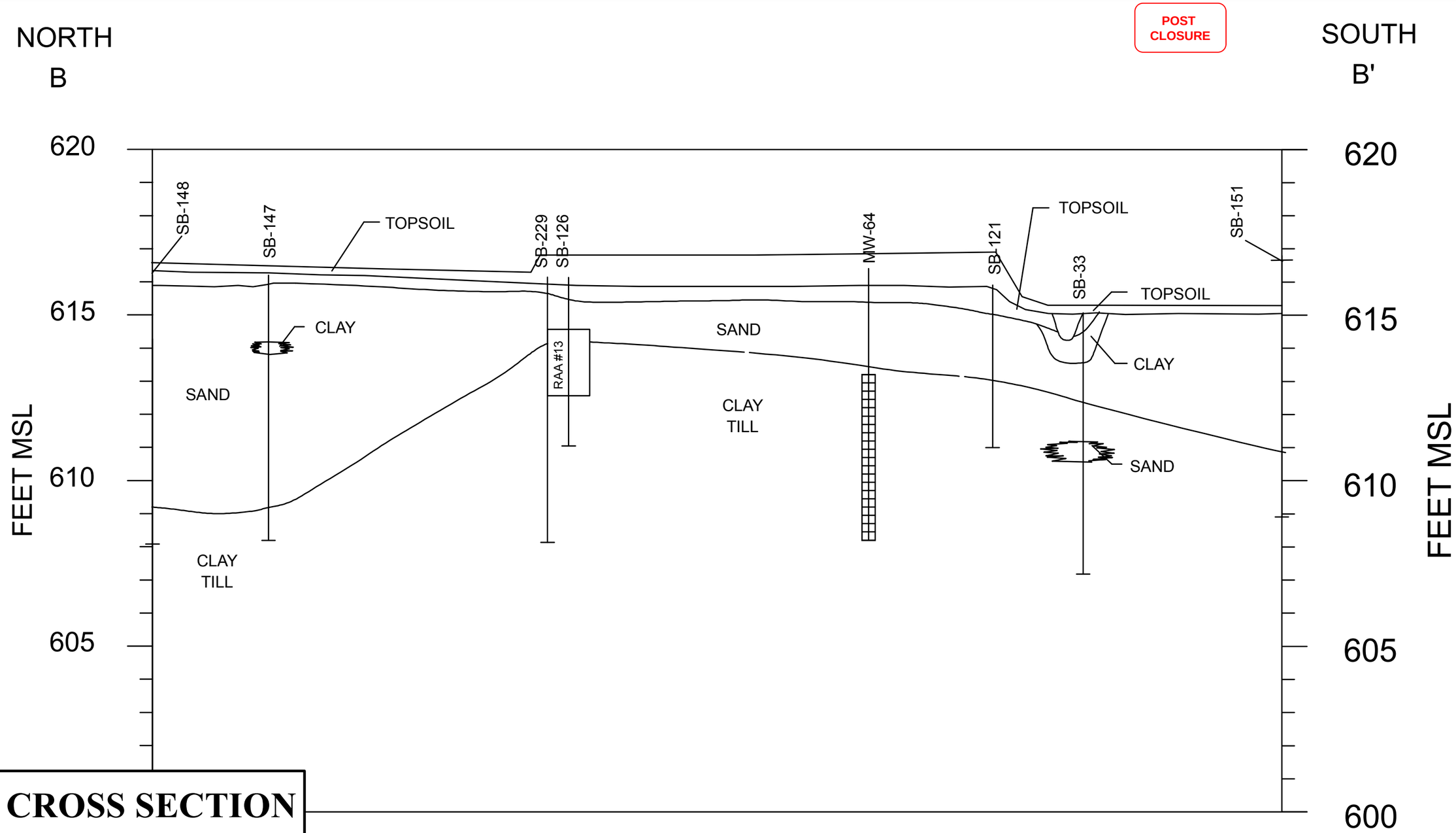


A - A' CROSS SECTION

Former MacWhyte Facility
City of Kenosha, WI.

ELM Energy LLC™
13500 Watertown Plank Rd. Suite 100
Elm Grove, WI 53122
Phone: (414) 225-9604
Fax: (414) 225-9324

DRAWN BY: SMS	DATE:9OCT2014	P.N.:
REVIEWED BY:BB	MXD: 06	FIGURE: 4



B - B' CROSS SECTION

Former MacWhyte Facility
City of Kenosha, WI.

ELM Energy LLC™
13500 Watertown Plank Rd. Suite 100
Elm Grove, WI 53122
Phone: (414) 225-9604
Fax: (414) 225-9324

DRAWN BY: SMS	DATE:9CT2014	P.N.:
REVIEWED BY:BB	MXD: 06	FIGURE: 5

ENGINEERED CAP MAINTENANCE PLAN
2906 14th Avenue, Kenosha,Wisconsin
WDNR BRRTS #02-30-230967
WDNR FID #230189080
May 2011

The Engineered Cap Maintenance Plan (ECMP) is designed to maintain the prevention of direct contact with and stormwater infiltration through residual soil impacts resulting from chlorinated volatile organic compounds (CVOC) and lead. Heavy landfill clay, imported from Waste Management – Pheasant Run Landfill facility, was used to construct the engineered caps design to function as direct contact and infiltration barriers. Portions of the Site are also covered with asphalt pavement as part of 14th Avenue and the Carthage College Remote Parking facility. The normal operation of the engineered caps serve as stormwater infiltration barriers and direct contact barriers between impacted soils and typical, non-invasive users of the property. The engineered caps will function as intended unless disturbed. A scaled map (*Engineered Cap Locations*) is attached showing the locations and depths below existing grade of the engineered cap is included.

Disturbance Management

The City of Kenosha (current owner) and subsequent owners of the site shall take the following steps to assure that uncontrolled disturbances of the engineered barrier do not occur:

- A copy of this ECMP will be available from the property owner to all interested parties.
- A copy of the ECMP will be provided to all private utilities seeking easements for the purpose of installing facilities on the Site.
- A copy of the ECMP will be provided to all contractors and repair workers, including utility and landscaping services, during construction and repairs on the Site.

Inspections of Engineered Cap

Annual inspections of the engineered caps will be required to ensure that the engineered caps are functioning as designed.

- Annual inspections of the engineered caps will be performed by the current property owner.
- A majority of the engineered caps are located below more than one foot of clean fill material used to meet the requirements of the Site Grading Plan or are located under concrete or asphalt pavement. Therefore, the annual inspections for these engineered caps will be limited to observations of groundcover and erosion. A scaled map depicting the locations of the individual engineered caps and their current depth below the existing grade is included with this ECMP.
- The eastern portion of the engineered cap for Remedial Action Area #1 consists of clean roadbed material and concrete or asphalt pavement used to construct 14th Avenue. Observations of the integrity of the surface pavement

material will be made for this portion of engineered cap. The location of the engineered cap for Remedial Action Area #1 provided by the 14th Avenue roadbed and surface pavement is identified on the scaled map included with this ECMP.

- As necessary, the engineered caps will be repaired to maintain integrity. Repairs may include, but are not limited to revegetation of bare spots and patching pavement material on 14th Avenue in the vicinity of Remedial Action Area #1.
- An "Engineered Cap Inspection Log" will be completed during each inspection. The inspection log will also be used to record any disturbances of the engineered cap and the steps that have been taken to maintain the integrity of the engineered caps. The inspection log will be made available for review by representatives of Wisconsin Department of Natural Resources (WDNR) upon reasonable prior request. The inspection log will be maintained as long as inspection and maintenance of the engineered caps is required. A template of the "Engineered Cap Inspection Log" is included with this ECMP.

Planned Breaches of the Engineered Cap

In the event that the engineered cap must be breached, the following precautions shall be taken:

- The current owner shall be given a 48-hour notice of any planned breach.
- For activities requiring excavation below the existing grade, the current owner will be required to review all construction plans to ensure that the integrity of the existing engineered caps is maintained.
- If the engineered caps must be disturbed, the current owner will be required to ensure that the engineered caps are reestablished to their condition and specifications prior to disturbance.
- To the extent possible, all material excavated form beneath the engineered caps should be returned to the excavation prior to restoration of the engineered cap. The excavation zone and any soils excavated will be secured from public access until the engineered cap is restored. Soil stockpiled from the excavation will be placed on an impervious surface (e.g., concrete, asphalt pavement or plastic) and covered with plastic. Soil that cannot be replaced in the excavation will be sampled and properly disposed of at a licensed landfill facility in accordance with applicable solid and/or hazardous waste rules and regulations. All contaminated soils that are stored, treated, excavated, removed and/or transported offsite will be managed in accordance with Wisconsin Administrative Code NR 718.
- If the engineered caps are altered to accommodate the requirements of the final development, the current owner will be required to ensure that a new cap is constructed that will indefinitely serve the purpose and level of functionality of the original engineered cap.
- The engineered cap will be restored to meet the original conditions, unless otherwise planned. The restoration of the engineered cap, including the

proper disposal of any excess soils, should be completed within 72 hours of the completion of any on-site work, or as soon as reasonably practical.

- Details of the engineered cap breach, the handling of excavated spoils, individuals responsible for the work and the restoration of the engineered cap will be recorded on the Engineered Cap Inspection Log and filed with the ECMP.

Amendments to this ECMP

- If an engineered cap with a new design is constructed, the current owner will be required to notify the WDNR of the changes by providing an amendment to this ECMP. The amendment may require the current property owner to institute an annual engineered cap inspection program, if the replacement cap consists of a material that will degrade over time and with use (e.g., concrete, asphalt pavement, etc.). All amendments to this ECMP must be approved by the WDNR in writing, prior to initiating activities requiring an amendment.

Withdrawal of this ECMP

- This ECMP may be withdrawn at anytime with written approval from the WDNR.

Contact Information

- **Responsible Party**

  ELM Investments, LLC
  60 State Street
  Suite 201
  Peoria, IL 61602
  Contact: Mr. Lee Graves, Esq.
  Telephone: (309) 673-7648
  Fax: (309) 673-7768

- **Current Property Owner**

  City of Kenosha
  625 52nd Street
  Room 302
  Kenosha, Wisconsin 53140
  Contact: Mr. Ron Bursek
  Telephone: (262) 653-4050
  Fax: (262) 653-4056

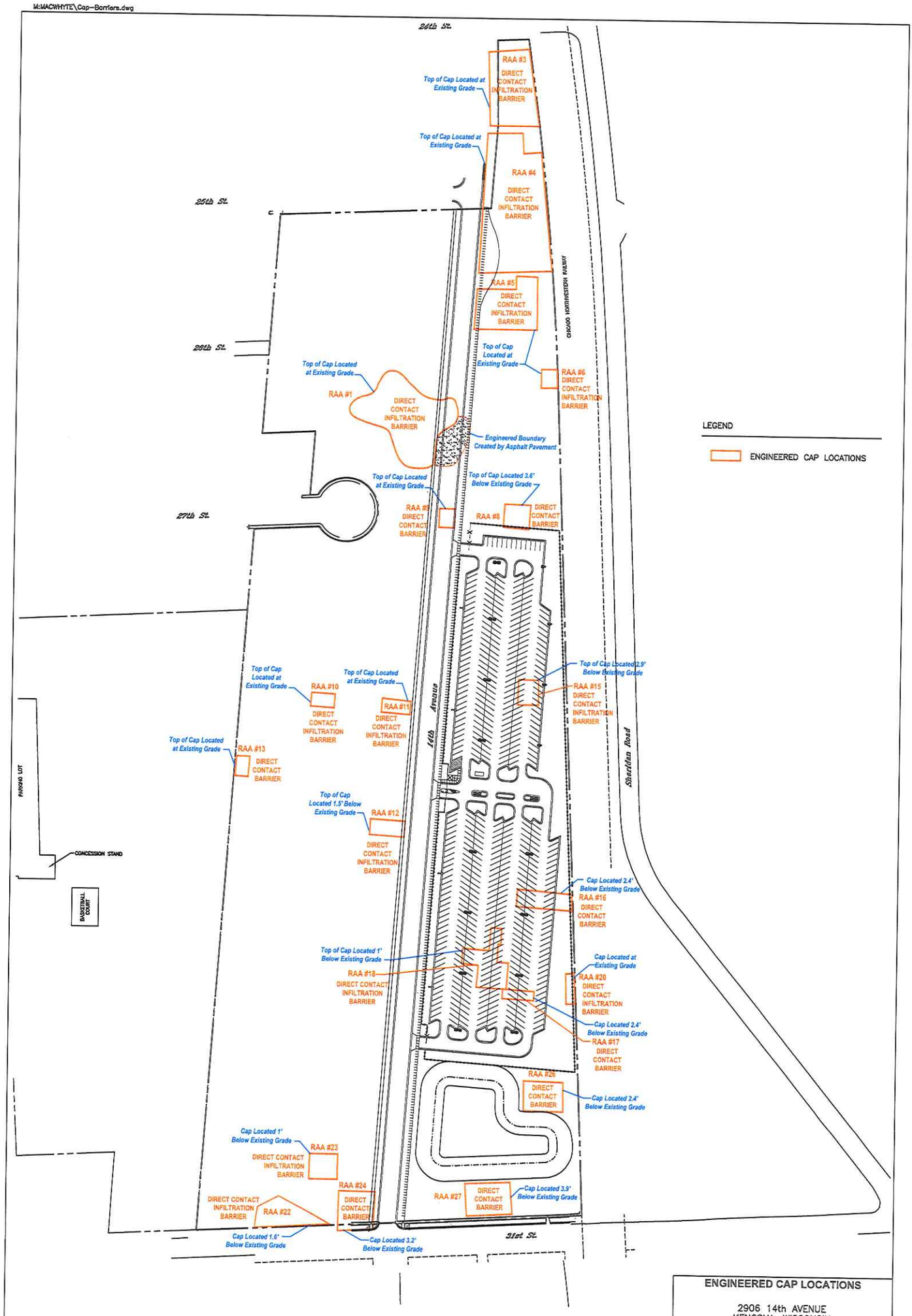
- **Environmental Consultant**

  ELM Consulting, LLC
  111 East Kilbourn Avenue
  Suite 1750
  Milwaukee, WI 53202
  Contact: Mr. Brian Berner
  Telephone: (414) 225-9604
  Fax: (414) 225-9324

- **Wisconsin Department of Natural Resources**

  Wisconsin Department of Natural Resources
  Sturtevant Service Center
  Remediation and Redevelopment Program
  9531 Rayne Road
  Suite 4
  Sturtevant, WI 53177
  Contact: Ms. Shanna Laube-Anderson
  Telephone: (262) 884-2341
  Fax: 262-884-2306

M:\MACWHYTE\Cap-Barriers.dwg



ENGINEERED CAP LOCATIONS

2906 14th AVENUE
KENOSHA, WISCONSIN

ELM CONSULTING, L.L.C.
111 East Kilbourn Avenue, Suite 1750
Milwaukee, Wisconsin 53202
Phone: (414)225-9604 Fax: (414)225-9324

DRAWN BY: LMS	DATE: 05MAY11	P.N.: BA-0007-54
REVIEWED BY: BMB	DWG:	FIGURE 1

ENGINEERED CAP INSPECTION LOG
2906 14th Avenue, Kenosha Wisconsin
WDNR BRRTS #02-30-230967

Inspection Date	Inspector / Title	Condition of Cap and Groundcover	Recommendations	Has recommended maintenance from previous inspections been implemented?

Document Number

WARRANTY DEED
STATE OF WISCONSIN
Exempt 2g

DOCUMENT NUMBER
1406380
RECORDED
At Kenosha County, Kenosha, WI 53140
Louise I. Principe, Register of Deeds
on 9/30/2004 at 12:01PM
40054077
$21.00
REGB
REGBEED3

This Deed, made between Amsted Industries Incorporated, Grantor, and City of Kenosha, a Municipal Corporation, Grantee.

Grantor, for a valuable consideration, conveys to Grantee the following described real estate in Kenosha County, State of Wisconsin (the "Property"):

See attached Exhibit "A"

Recording Area

Name and Return Address:
City of Kenosha
Department of City Development
625 52nd Street, Room 308
Kenosha, WI 53140

21

FEE EXEMPT
26

10-4-223-19-308-004
10-4-223-19- 312-001
10-4-223-19- 376-002
10-4-223-19- 377-002
Parcel Identification Number (PIN)
This is not homestead property.

Together with all appurtenant rights, title and interests.

Grantor warrants that the title to the Property is good, indefeasible in fee simple and free and clear of encumbrances except recorded easements for the distribution of utility and municipal services and restrictions of record, if any (provided none of the foregoing prohibit Grantee's intended use of the property).

Dated this 3 day of ~~May~~ SEPT, 2004.

_____ (SEAL)
* _____

_____ (SEAL)
* _____

By: Amsted Industries Incorporated (SEAL)
* Thomas C. Berg, Vice President

By: (SEAL)
* Edward J. Brosius, Assistant Secretary

AUTHENTICATION

Signature(s) _____

_____

authenticated this _____ day of _____, 2004.

_____
*

TITLE: MEMBER STATE BAR OF WISCONSIN
(If not, _____ Authorized by 706.06, Wis.Stats.)

OFFICIAL SEAL
PAMELA S CURATOLO
NOTARY PUBLIC, STATE OF ILLINOIS
MY COMMISSION EXPIRES:01/20/06

THIS INSTRUMENT WAS DRAFTED BY:
J. Conway, City of Kenosha

ACKNOWLEDGMENT

State of ~~Wisconsin~~ ILLINOIS, }
} ss.
~~Kenosha~~ COOK County }

Personally came before me this 3rd day of ~~May~~ September, 2004, the above named Thomas C. Berg, Vice President, and Edward J. Brosius, Assistant Secretary, of Amsted Industries Incorporated

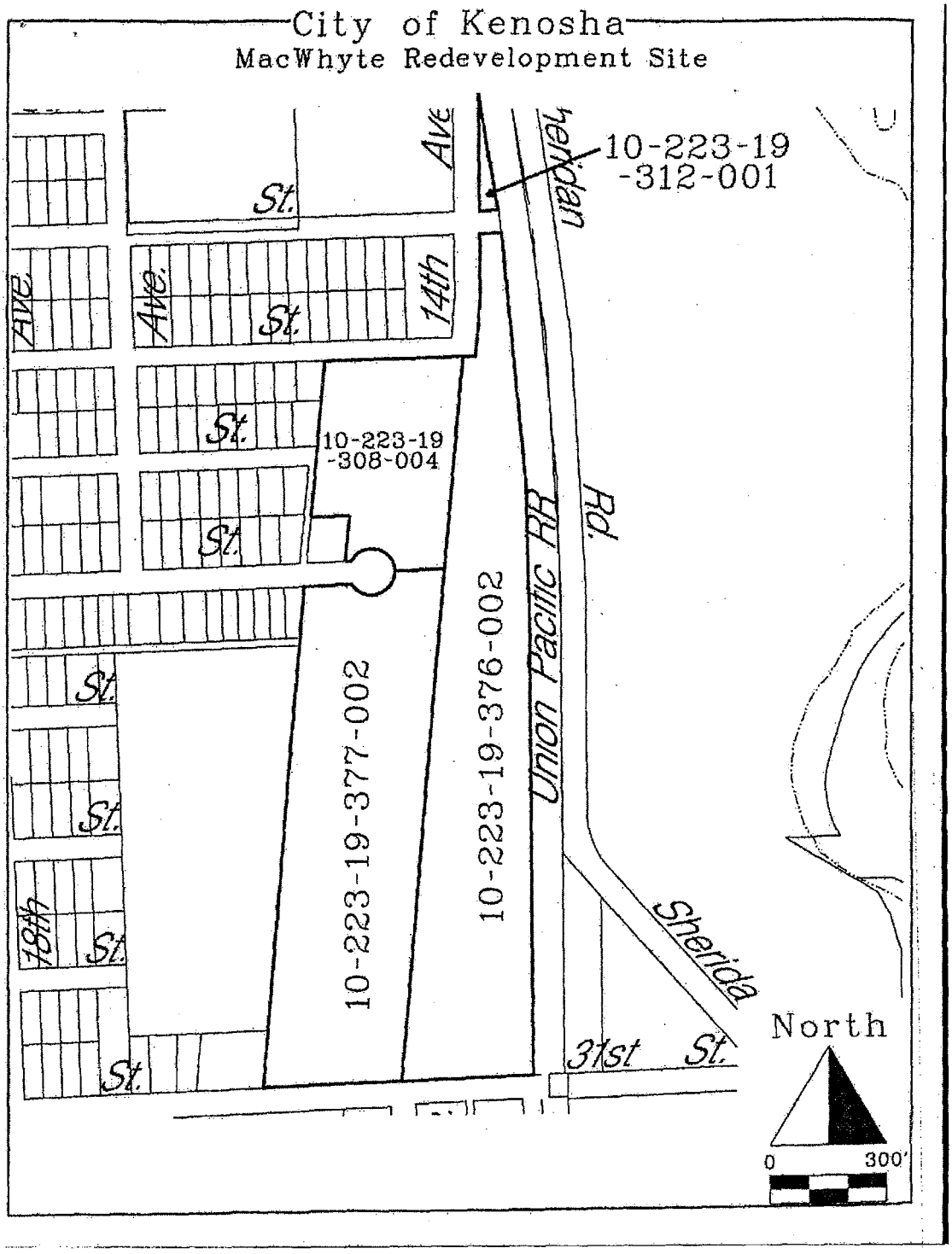
to me known to be the person(s) who executed the foregoing instrument and acknowledge the same.

Pamela S. Curatolo
* Pamela S. Curatolo, Notary
Notary Public, State of ~~Wisconsin~~ ILLINOIS
My Commission expires:
1/20/06

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

*Names of persons signing in any capacity must be typed or printed below their signature.

EXHIBIT A


City of Kenosha
MacWhyte Redevelopment Site
10-223-19
-312-001
Ave.
St.
14th
Ave.
St.
St.
St.
St.
St.
St.
St.
78th
St.
10-223-19
-308-004
10-223-19-377-002
10-223-19-376-002
Union Pacific RR
Sheridan Rd.
31st St.
North
0
300'

LEGAL DESCRIPTION

Kenosha County Tax Parcel Numbers:
10-4-223-19-308-004
10-4-223-19-312-001
10-4-223-19-376-002
10-4-223-19-377-002

Fee Title in and to the following described (7) Parcels of land:

Parcel 1:

All that land of the owner, described in Volume 653, Page 525, Document 456370, recorded November 8, 1963 with the Kenosha County Register of Deeds Office and being described therein as:

Part of the Southwest Quarter of Section 19, Town 2 North, Range 23 East in the City of Kenosha and more particularly described as follows: Commencing at the point on the west line of 14th Avenue which is 1379.25 feet north of the north line of 31st Street of Trustee's Subdivision of a part of said Quarter Section; thence west parallel with 31st Street, 330 feet; thence north parallel with 14th Avenue, 560.84 feet and to the south line of the north 40 acres of that part of the said Southwest Quarter of Section 19 lying west of 14th Avenue; thence east upon the south line of said 40 acres, 330 feet; thence southerly and parallel with the west line of 14th Avenue to the point of beginning; EXCEPTING from the above premises that part conveyed by Christopher J. Werwie and Cecelia E. Werwie, his wife, to Fred A. Cross and Mary Ellen Cross, his wife, by warranty deed dated Feb. 7, 1948 and recorded Feb. 10, 1948 in Volume 312 of Deeds at Page 469, as Document 301979 and EXCEPTING from the above premises also that part conveyed by Sol Blankstein to the City of Kenosha, a Municipal Corporation, by Quit Claim Deed dated Aug. 14, 1956 and recorded Nov 8, 1956 in Volume 423 of Deeds on Page 515, Document 380121.

EXCEPTING from Parcel 1 above, land conveyed to the City of Kenosha, Wisconsin, for the 27th Street (cul-de-sac) right-of-way west of 14th Avenue, and being described in Volume 1154, Page 310, Document 715544, recorded February 16, 1984 with the Kenosha County Register of Deeds Office.

(The above described Parcel 1 being a part of Kenosha County Tax Parcel 10-4-223-19-308-004.)

Parcel 2:

All that land of the owner, described in Volume 254, Pages 75-76, Document 266919, recorded January 13, 1944 with the Kenosha County Register of Deeds Office and being described therein as:

Part of the Southwest Quarter of Section 19, Town 2 North, Range 23 East of the Fourth Principal Meridian and more particularly described as follows: Commencing at the northeast corner of 14th Avenue, formerly Racine Avenue, and 31st Street, formerly Putnam Street; thence North 4° East along and upon the east line of 14th Avenue 2,066.97 feet and to the angle point of said 14th Avenue; thence North 1° West along and upon the aforesaid east line of 14th Avenue a distance of 509.7 feet and to the west right-of-way fence line of the Chicago and North Western Railroad; thence southerly along and upon the aforesaid right-of-way fence line, a distance of 2,562.4 feet and to the north line of 31st Street; thence South 87° 03'30" West along and upon the aforesaid north line of 31st Street a distance of 329 feet and to the place of beginning, containing 10.49 acres of land, more or less, and lying and being in the City of Kenosha, in the County of Kenosha and State of Wisconsin, EXCEPTING AND RESERVING THEREFROM a strip of land 66 feet in width lying between the east line of 14th Avenue and the west line of the Chicago and North Western Railway right-of-way; the center line of said strip of land being parallel to the south line of said Southwest Quarter of Section 19 and to commence at a point on and measured along the east line of said 14th Avenue 1,349.44 feet northerly of the intersection of said east line of 14th Avenue with said south line of said Southwest Quarter of Section 19 and extending easterly to the west line of the Chicago & North Western Railway Company right-of-way.

EXCEPTING from Parcel 2 above, land conveyed to the City of Kenosha, Wisconsin, for the 24th Street right-of-way east of 14th Avenue, and being described in Volume 1154, Page 309, Document 715543, recorded February 16, 1984 with the Kenosha County Register of Deeds Office.

(The above described Parcel 2 being a part of Kenosha County Tax Parcels 10-4-223-19-312-001 and 10-4-223-19-376-002.)

Parcel 3:

All that land of the owner, described in Volume 254, Page 71-73, Document 266918, recorded January 13, 1944 with the Kenosha County Register of Deeds Office and being described therein as:

Part of the Southwest Quarter of Section 19, Town 2 North, Range 23 East of the Fourth Principal Meridian, more particularly described as follows, to wit: Beginning at the point on the west line of 14th Avenue, formerly Racine Avenue, where the north line of 31st Street, formerly Putnam Street, intersects the same; thence North 8° East, 664.9 feet in and along the west line of said 14th Avenue; thence North 89° West, 20 rods; thence South 8° West, 664.9 feet and to the north line of 31st Street; thence east on the north line of 31st Street, 20 rods and to the point of beginning, containing 5.3 acres of land, more or less, and lying and being in the City of Kenosha, in the County of Kenosha and State of Wisconsin.

(The above described Parcel 3 being a part of Kenosha County Tax Parcel 10-4-223-19-377-002.)

Parcel 4:

All that land of the owner, described in Volume 254, Page 79-81, Document 266920, recorded January 13, 1944 with the Kenosha County Register of Deeds Office and being described therein as:

Part of the Southwest Quarter of Section 19, Town 2 North, Range 23 East of the Fourth Principal Meridian: Commence at the point in the west line of 14th Avenue, formerly Racine Avenue, 664.9 feet north of the north line of 31st Street, formerly Putnam Street, of Trustee's Subdivision of a part of said Quarter Section, and at the northeast corner of the parcel of land heretofore conveyed to one Mary A. Dunnebacke; thence west along the north line of said parcel so conveyed to Mary A. Dunnebacke, 330 feet; thence North 8° East, 664.9 feet; thence east parallel with the south line, 330 feet and to the west line of 14th Avenue; thence south and along the west line of 14th Avenue, 664.9 feet to the point of beginning, containing 5 acres of land, more or less, and lying and being in the City of Kenosha, County of Kenosha and State of Wisconsin.

EXCEPTING from Parcel 4 above, land conveyed to the City of Kenosha, Wisconsin, for the 27th Street (cul-de-sac) right-of-way west of 14th Avenue, and being described in Volume 1154, Page 310, Document 715544, recorded February 16, 1984 with the Kenosha County Register of Deeds Office.

ALSO EXCEPTING from Parcel 4 above, land conveyed to the City of Kenosha, Wisconsin, for the 27th Street right-of-way west of 14th Avenue, and being described in Volume 272, Page 542, Document 278764, recorded April 30, 1945 with the Kenosha County Register of Deeds Office.

(The above described Parcel 4 being a part of Kenosha County Tax Parcel 10-4-223-19-377-002.)

Parcel 5:

All that land of the owner, being a part of the (former) 27th Street right-of-way east of 14th Avenue, and being vacated in City of Kenosha Common Council Resolution 6617-60 on October 17, 1960 and described as:

Part of the Southwest Quarter of Section 19, Town 2 North, Range 23 East of the Fourth Principal Meridian, lying and being in the City of Kenosha, County of Kenosha, and State of Wisconsin and more particularly described as follows:

A strip of land 66 feet in width lying between the east line of 14th Avenue, formerly known as Racine Avenue, and the west line of the Chicago & North Western Railway right-of-way; the center line of said strip of land being parallel to the south line of said Southwest Quarter of Section 19 and to commence at a point on (and measured along), the east line of said 14th Avenue, 1349.44 feet northerly of the intersection of said east line of 14th Avenue with said south line of said Southwest Quarter of Section 19 and extending easterly to the west line of the Chicago & North Western Railway Company right-of-way.

(The above described Parcel 5 being a part of Kenosha County Tax Parcel 10-4-223-19-376-002.)

Parcel 6:

All that land of the owner, being a part of the (former) 14th Avenue right-of-way north of 31st Street, and being vacated in City of Kenosha Common Council Resolution 14-84, recorded in Volume 1152, Page 260-62, Document 714311 on January 17, 1984 with the Kenosha County Register of Deeds Office.

(The above described Parcel 6 being a part of Kenosha County Tax Parcels 10-4-223-19-308-004, 10-4-223-19-376-002 and 10-4-223-19-377-002.)

Parcel 7:

All that land of the owner, being a part of the (former) 27th Street right-of-way west of 14th Avenue, and being vacated in City of Kenosha Common Council Resolution 15-84, recorded in Volume 1152, Page 263-65, Document 714312 on January 17, 1984 with the Kenosha County Register of Deeds Office.

(The above described Parcel 7 being a part of Kenosha County Tax Parcels 10-4-223-19-308-004 and 10-4-223-19-377-002.)

Document No	Document Title	
	AMENDMENT OF OFFICIAL MAP	DOCUMENT 1602468 RECORDED At Kenosha County, Kenosha, WI 53140 Louise I. Principe, Register of Deeds on 10/19/2009 at 3:43PM 9600.8207 $15.00 JANK REGDEED02
REGISTER OF DEEDS 1010 – 56th Street Kenosha, WI 53140 **RE: Amendment to the Official Map for City of Kenosha, Wisconsin to Include the Designation of 14th Avenue from 25th Street to 31st Street as a Future Street; and, to Classify said Future Street as a Collector, Pursuant to Section 62.23(6), Wisconsin Statutes**		Recording Area Return This Document to **City Clerk/Treasurer-Kenosha** **625 - 52nd Street, Room 105** ***Kenosha, Wisconsin 53140***

15

10-223-19-308-004, 10-223-19-376-002,
10-223-19-377-002
Parcel Identification #s (PIN)

I, Debra L. Salas, Deputy City Clerk of Kenosha, Wisconsin do hereby certify that on the 5th day of October, 2009, the Common Council of the City of Kenosha, Wisconsin by Resolution No. 139-09 duly adopted, did amend the official map for the City of Kenosha, Wisconsin to include the designation of 14th avenue from 25th street to 31st street as a future street; and, to classify said future Street as a collector, Pursuant to Section 62.23(6), Wisconsin Statutes.

Dated this 6th day of October, 2009.

Debra L. Salas, Deputy City Clerk

SEAL

RESOLUTION NO: 139-09

BY: THE MAYOR

TO AMEND THE OFFICIAL MAP FOR THE CITY OF KENOSHA, WISCONSIN, TO INCLUDE THE DESIGNATION OF 14TH AVENUE FROM 25TH STREET TO 31ST STREET AS A FUTURE STREET; AND, TO CLASSIFY SAID FUTURE STREET AS A COLLECTOR, PURSUANT TO SECTION 62.23(6), WISCONSIN STATUTES

WHEREAS, Section 62.23(6) of the Wisconsin Statutes, provides for the establishment of an official City Map for the purpose of conserving and promoting the public health, safety, convenience, and general welfare; and,

WHEREAS, 14th Avenue from 25th Street to 31st Street is required to be designated as a future street in order to provide proper access and circulation within the neighborhood; and,

WHEREAS, this future street is hereby classified as a collector as that tern is defined by the Southeastern Wisconsin Regional Planning Commission in Planning Report No. 49 entitled "A Regional Transportation System Plan for Southeastern Wisconsin: 2035" and as that term is further described in the Federal Highway Administration Functional Classification Guidelines.

NOW, THEREFORE, BE IT RESOLVED by the Common Council of the City of Kenosha, Wisconsin, that pursuant to the authority of Section 62.23(6) of the Wisconsin Statutes, the Official Map for the City of Kenosha, Wisconsin, be and hereby is amended to include the designation of 14th Avenue from 25th Street to 31st Street as a future street as depicted on Supplement No. FS2-09, which is attached hereto and incorporated herein by reference.

BE IT FURTHER RESOLVED this future street is hereby classified as a collector based upon the function of this roadway.

BE IT FURTHER RESOLVED that the City Clerk/Treasurer is hereby directed to file a certified copy of this Resolution, along with the attached Supplement No. FS2-09, in the Office of the Register of Deeds for Kenosha County, Wisconsin.

Adopted this 5th day of October, 2009

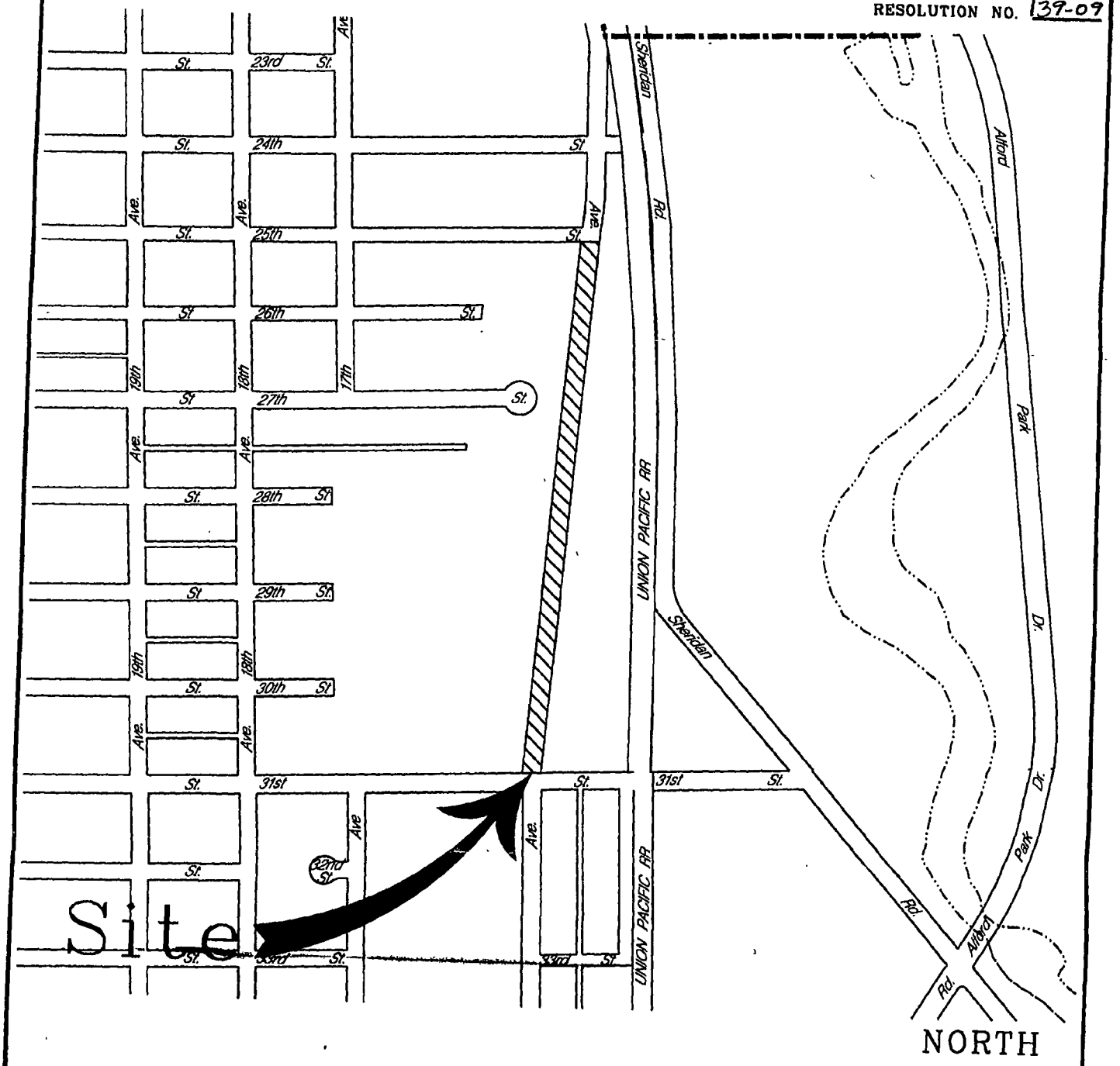
ATTEST: _____
Debra L. Salas, Deputy City Clerk

APPROVE: _____
Keith G. Bosman, Mayor

City of Kenosha

Official Map Amendment
14th Avenue from 25th to 31st Streets

SUPPLEMENT NO. FS2-09
RESOLUTION NO. 139-09



Street to be added to Official Map

Municipal Boundary

0 500'

DCD ~ City Plan Division ~ JBL ~ 7-28-2009 ~ mc

223-30-2

This map is neither a legally recorded map, nor a survey and is NOT intended to be used as one.
This drawing is a compilation of records, data and information located in various state, county and city offices and other sources affecting the area shown and is to be used for reference purposes only.
The City of Kenosha is not responsible for any inaccuracies herein contained. If discrepancies are found, please contact the City of Kenosha Department of City Development.

RR-1	Rural Single Family Residential	TRD-2	Traditional Multiple Family Residential	A-1	General Agricultural	AIR 0	Airport Operations
RR-2	Suburban Single Family Residential	RM-1	Multiple Family Residential	A-2	Agricultural Land Holding	AIR 1	Runway Protection
RR-3	Urban Single Family Residential	RM-2	Multiple Family Residential	C-1	Upland Conservancy	AIR 2	Noise Cone
RS-1	Single Family Residential	RM-3	Elderly & Handicapped Housing	C-2	Lowland Conservancy	AIR 3	Approach
RS-2	Single Family Residential	B-1	Neighborhood Business	FW	Flood Way	AIR 4	Overflight
RS-3	Single Family Residential	B-2	Community Business	FFO	Flood Fringe Overlay	AIR 5	Height
RG-1	General Residential	B-3	Central Business	PDO	Planned Development Overlay		
RG-2	General Residential	B-4	Mixed-Use	SWO	Shoreland Wetland Overlay		
RD	Two Family Residential	M-1	Light Manufacturing	HPO	Historic Preservation Overlay		
TRD-1	Traditional Single & Two-Family Residential	M-2	Heavy Manufacturing	HRPO	HarborPark Overlay		
		IP	Institutional Park	PCNO	Pike Creek Neighborhood Overlay		

223-19-3

Major Street Setback

Scale: 1"=100'

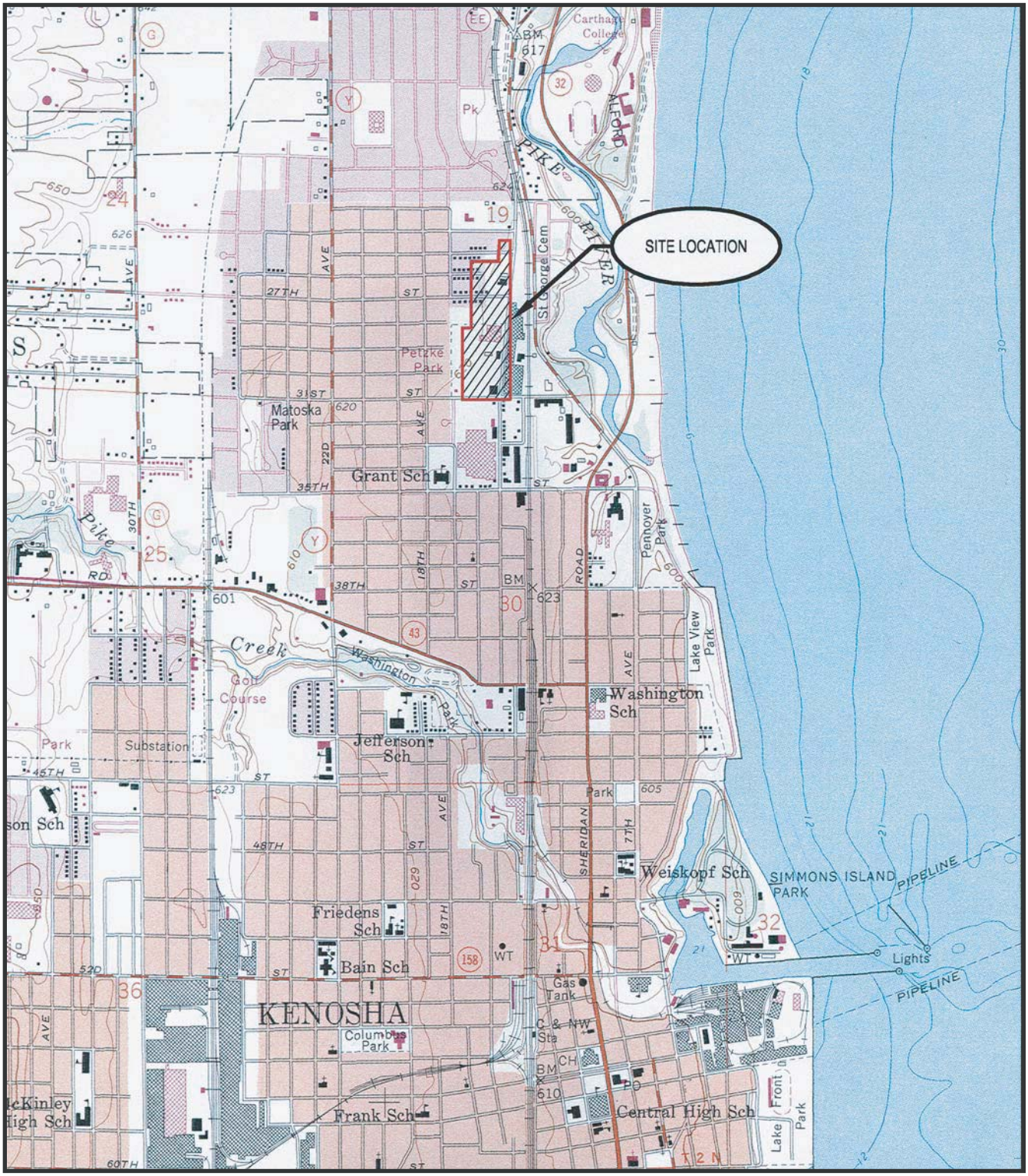
Printed: 12-28-2009

I Lee C. Graves, Esq. certify that the legal description of the parcels provided on the attached Warranty Deed are complete and accurate to the best of my knowledge. The legal descriptions accurately describe the parcels impacted by multiple releases from the historical operations at the Former MacWhyte Wire Rope Company facility, 2906 14th Avenue, Kenosha, WI.

Signature Lee C. Graves

Title CEO – ELM Investments, LLC

Date July 14, 2011



SOURCE: USGS 7.5 MINUTE QUADRANGLE MAP, KENOSHA, WISCONSIN

SCALE IN FEET

0 1000 2000

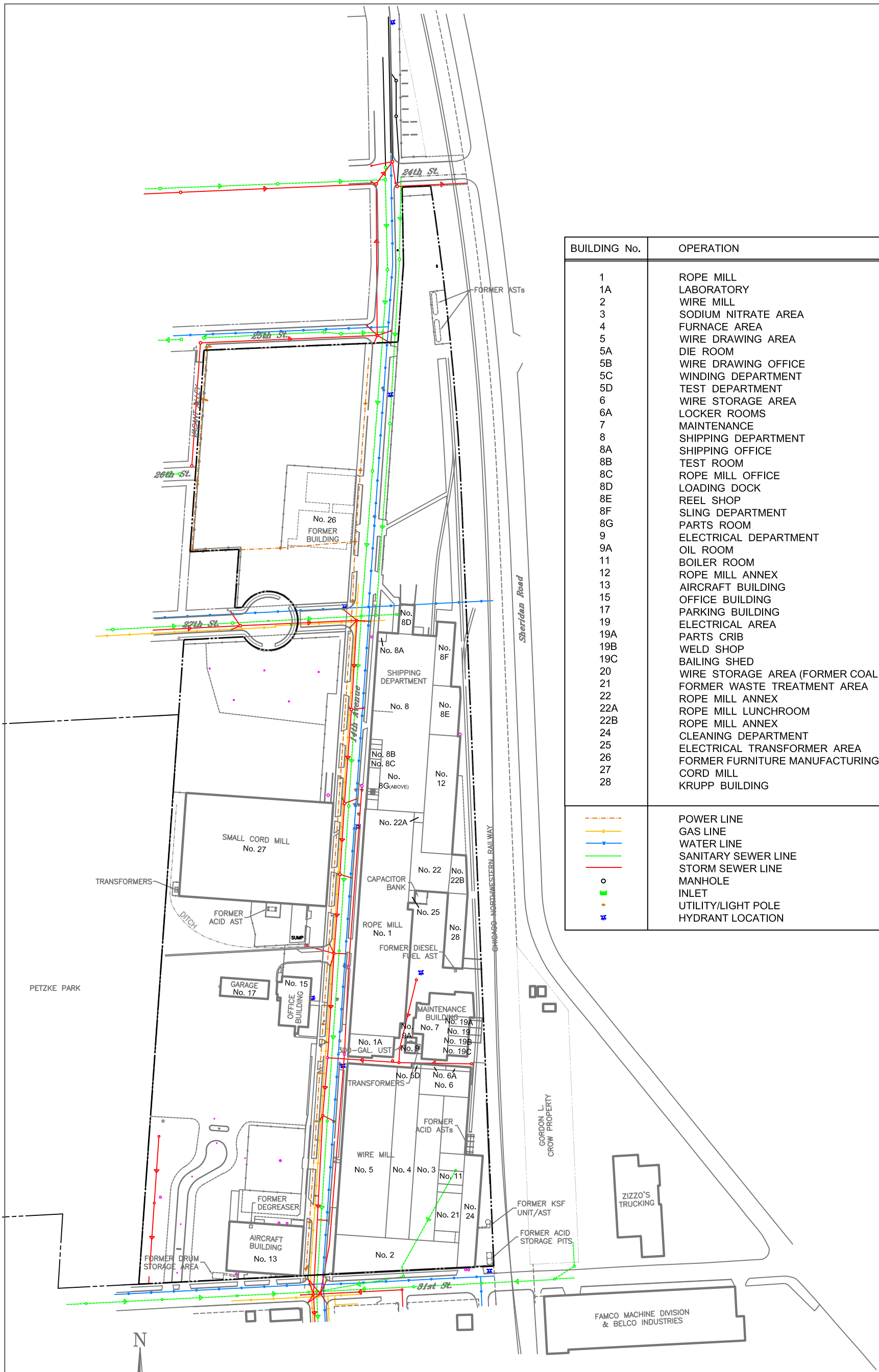
SITE LOCATION MAP

FORMER MACWHYTE COMPANY FACILITY
KENOSHA, WISCONSIN

ELM Consulting LLC™
111 East Kilbourn Avenue, Suite 1750
Milwaukee, Wisconsin 53202
Phone: (414)225-9604
Fax: (414)225-9324

DRAWN BY: LMS	DATE: 12JAN09	PROJ #: BA-0007-10	
REVEIWED BY: BMB	DWG #: SITELOCMAP.AI	FIGURE 1	

MACWHYTE\RAC\Detailed\June2008Figures\Fig1-SiteLoc.ai



BUILDING No.	OPERATION
1	ROPE MILL
1A	LABORATORY
2	WIRE MILL
3	SODIUM NITRATE AREA
4	FURNACE AREA
5	WIRE DRAWING AREA
5A	DIE ROOM
5B	WIRE DRAWING OFFICE
5C	WINDING DEPARTMENT
5D	TEST DEPARTMENT
6	WIRE STORAGE AREA
6A	LOCKER ROOMS
7	MAINTENANCE
8	SHIPPING DEPARTMENT
8A	SHIPPING OFFICE
8B	TEST ROOM
8C	ROPE MILL OFFICE
8D	LOADING DOCK
8E	REEL SHOP
8F	SLING DEPARTMENT
8G	PARTS ROOM
9	ELECTRICAL DEPARTMENT
9A	OIL ROOM
11	BOILER ROOM
12	ROPE MILL ANNEX
13	AIRCRAFT BUILDING
15	OFFICE BUILDING
17	PARKING BUILDING
19	ELECTRICAL AREA
19A	PARTS CRIB
19B	WELD SHOP
19C	BAILING SHED
20	WIRE STORAGE AREA (FORMER COAL STORAGE AREA)
21	FORMER WASTE TREATMENT AREA
22	ROPE MILL ANNEX
22A	ROPE MILL LUNCHROOM
22B	ROPE MILL ANNEX
24	CLEANING DEPARTMENT
25	ELECTRICAL TRANSFORMER AREA
26	FORMER FURNITURE MANUFACTURING BUILDING
27	CORD MILL
28	KRUPP BUILDING
	POWER LINE
	GAS LINE
	WATER LINE
	SANITARY SEWER LINE
	STORM SEWER LINE
	MANHOLE
	INLET
	UTILITY/LIGHT POLE
	HYDRANT LOCATION

SITE MAP

FORMER MACWHYTE COMPANY FACILITY
KENOSHA, WISCONSIN

ELM CONSULTING, LLC
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Milwaukee, Wisconsin 53202
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Fax: (414)225-9324

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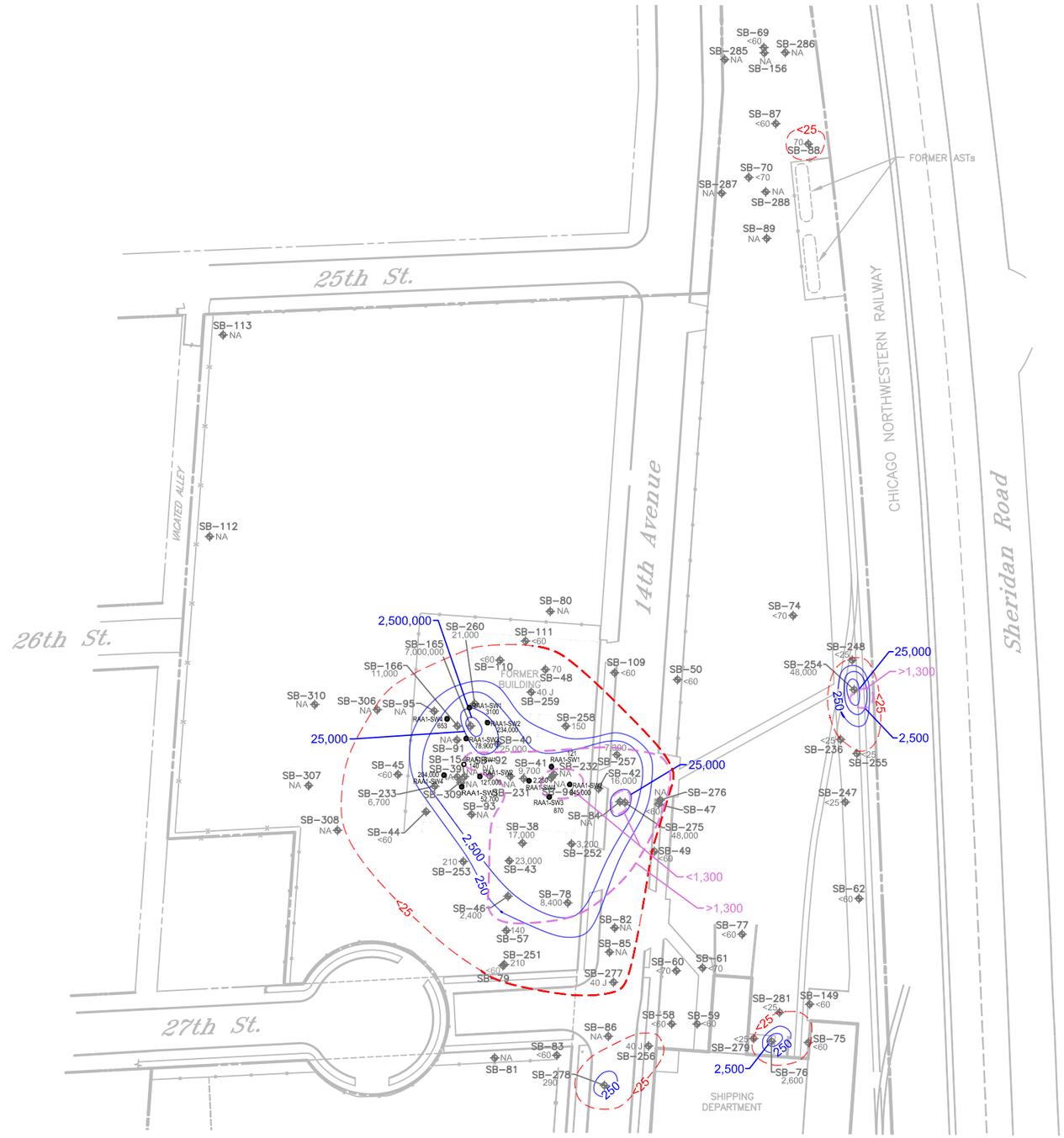
REVIEWED BY: BMB	DWG:	FIGURE 2



SCALE IN FEET

0 50 100 200

LEGEND

- SOIL BORING LOCATION
- NA NOT ANALYZED
- J REPRESENTS A VALUE BETWEEN THE METHOD DETECTION LIMIT (MDL) AND THE LABORATORY REPORTING LIMIT
- 1300 SOIL ISOCONCENTRATIONS SHOWING SOIL REMAINING ON THE SITE EXCEEDING THE SSRCLDC (1,300 ug/kg)

CONCENTRATIONS IN ug/kg

SB = SOIL SAMPLES COLLECTED AS PART OF REMEDIAL INVESTIGATION (CLAYTON 2003)

RAA – POST REMEDIATION SAMPLES (ELM 2006)

SOIL ISOCONCENTRTION MAP
FOR TETRACHLOROETHENE (0–4' BGS)
AREAS 1 & 2
FORMER MACWHYTE COMPANY FACILITY
KENOSHA, WISCONSIN

ELM CONSULTING, LLC
111 East Kilbourn Ave., Suite 1750
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Phone: (414)225-9604
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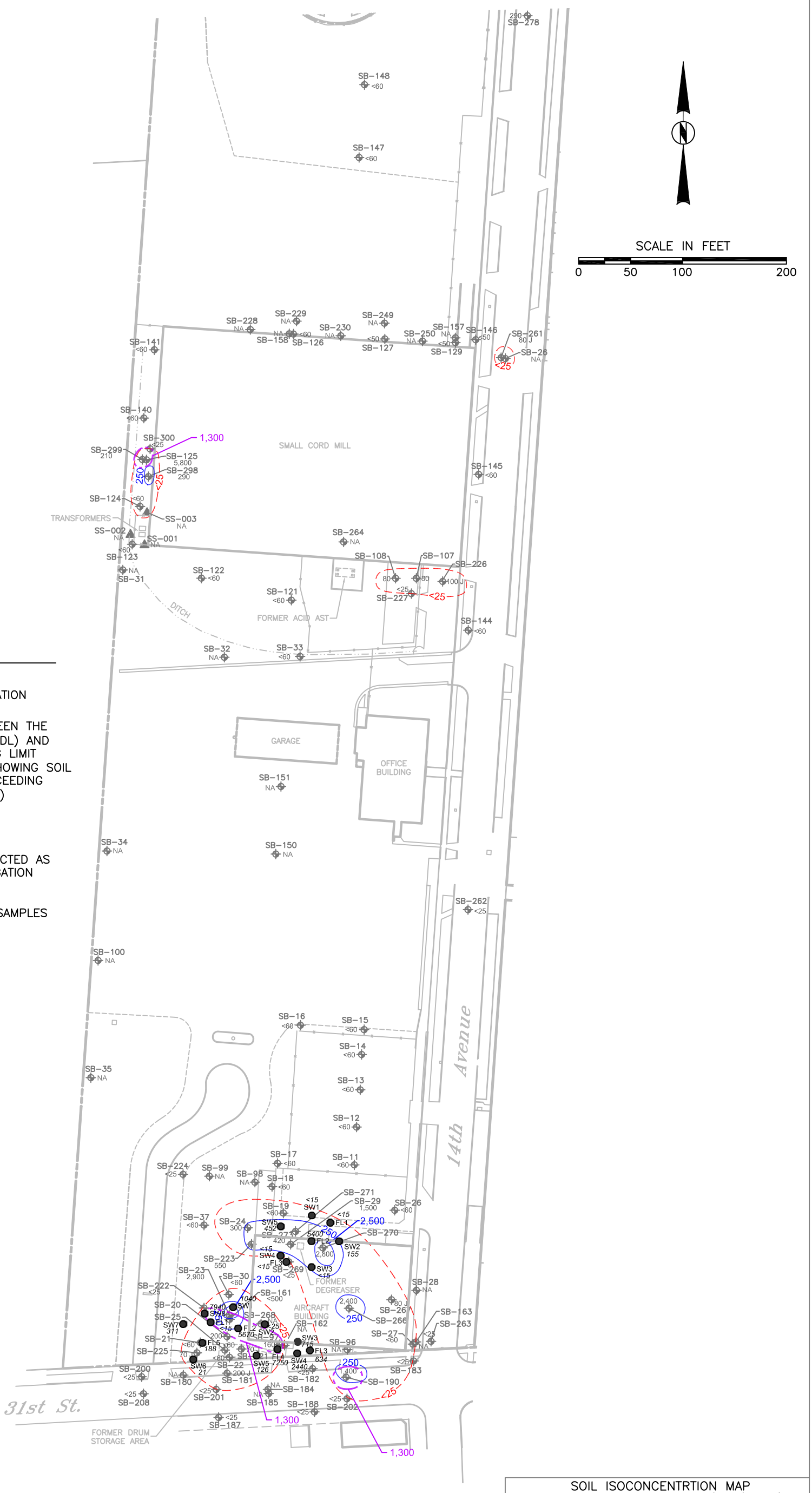
MACWHYTE\CaseSummary & CloseOutRequest\isoconcentrations\Soil\soil-tetrachlor04-area1-2.dwg

MACWHYTE\CaseSummary & CloseOutRequest\insoconcentraction\Soil\soil-tetrachroethlene0-4-area3-5.dwg



LEGEND

- SOIL BORING LOCATION
- SURFACE SOIL SAMPLE LOCATION
- NA NOT ANALYZED
- J REPRESENTS A VALUE BETWEEN THE METHOD DETECTION LIMIT (MDL) AND THE LABORATORY REPORTING LIMIT
- 1300 SOIL ISOCONCENTRATIONS SHOWING SOIL REMAINING ON THE SITE EXCEEDING THE SSRCLDC (1,300 ug/kg)

CONCENTRATIONS IN ug/kg

SB = SOIL SAMPLES COLLECTED AS PART OF REMEDIAL INVESTIGATION (CLAYTON 2003)

RAA – POST REMEDIATION SAMPLES (ELM 2006)

SOIL ISOCONCENTRTION MAP
FOR TETRACHLOROETHENE (0-4' BGS)
AREAS 3 & 5
FORMER MACWHYTE COMPANY FACILITY
KENOSHA, WISCONSIN

ELM CONSULTING, LLC
111 East Kilbourn Ave., Suite 1750
Milwaukee, Wisconsin 53202
Phone: (414)225-9604
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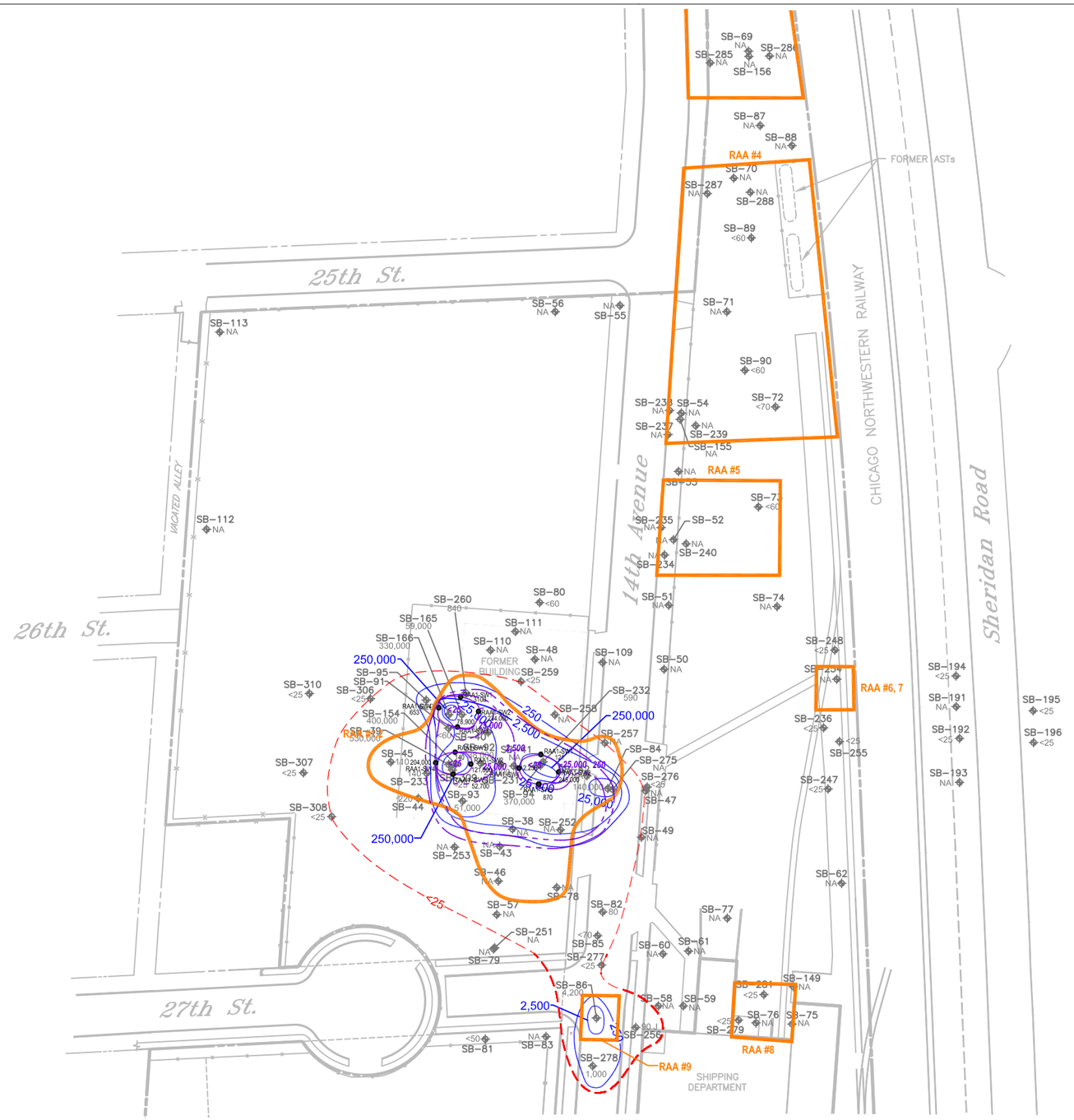

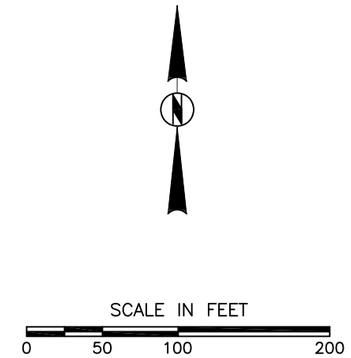

LEGEND

- SOIL BORING LOCATION
- NA NOT ANALYZED
- J REPRESENTS A VALUE BETWEEN THE METHOD DETECTION LIMIT (MDL) AND THE LABORATORY REPORTING LIMIT
- 1300 SOIL ISOCONCENTRATIONS SHOWING SOIL REMAINING ON THE SITE EXCEEDING THE SSRCLDC (1,300 ug/kg)

CONCENTRATIONS IN ug/kg

SB = SOIL SAMPLES COLLECTED AS PART OF REMEDIAL INVESTIGATION (CLAYTON 2003)

RAA – POST REMEDIATION SAMPLES (ELM 2006)

SOIL ISOCONCENTRTION MAP
FOR TETRACHLOROETHENE (4–8' BGS)
AREAS 1 & 2
FORMER MACWHYTE COMPANY FACILITY
KENOSHA, WISCONSIN

ELM CONSULTING, LLC
111 East Kilbourn Ave., Suite 1750
Milwaukee, Wisconsin 53202
Phone: (414)225–9604
Fax: (414)225–9324

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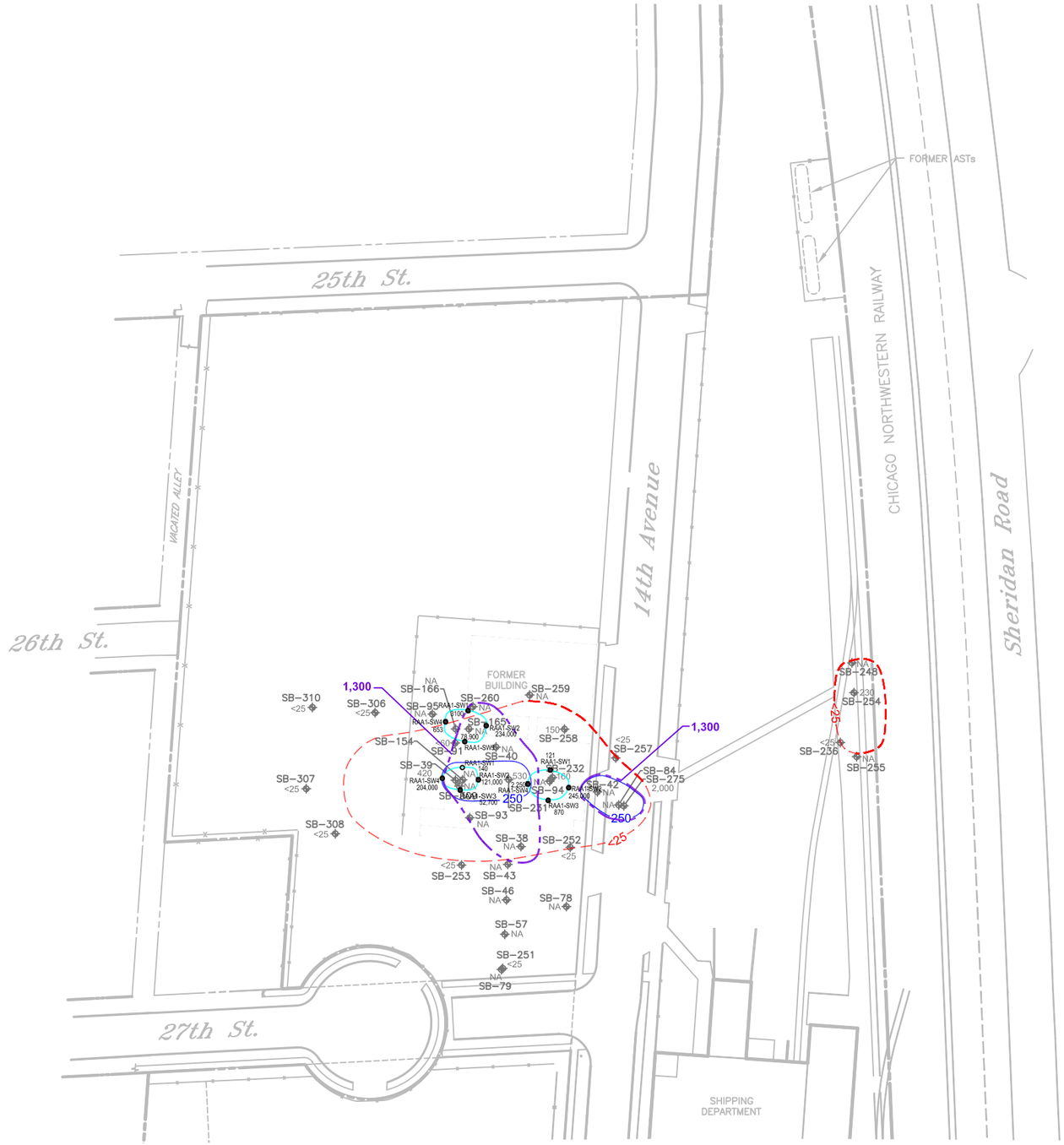
MACWHYTE\CaseSummary & CloseOutRequest\sectionD\isoconcentrations\Soil\soil-tetrachlor4-8-area1-2.dwg



SCALE IN FEET

0 50 100 200

LEGEND

- SOIL BORING LOCATION
- NA NOT ANALYZED
- J REPRESENTS A VALUE BETWEEN THE METHOD DETECTION LIMIT (MDL) AND THE LABORATORY REPORTING LIMIT
- 1,300 SOIL ISOCONCENTRATIONS SHOWING SOIL REMAINING ON THE SITE EXCEEDING THE SSRCLDC (1,300 ug/kg)
- EXCAVATION TO 8 FEET

CONCENTRATIONS IN ug/kg

NOTE: SB-91 SAMPLED AT 8 FEET BGS.

SB = SOIL SAMPLES COLLECTED AS PART OF REMEDIAL INVESTIGATION (CLAYTON 2003)

RAA – POST REMEDIATION SAMPLES (ELM 2006)

SOIL ISOCONCENTRTION MAP
FOR TETRACHLOROETHENE (8–12' BGS)
AREAS 1 & 2
FORMER MACWHYTE COMPANY FACILITY
KENOSHA, WISCONSIN

ELM CONSULTING, LLC
111 East Kilbourn Ave., Suite 1750
Milwaukee, Wisconsin 53202
Phone: (414)225-9604
Fax: (414)225-9324

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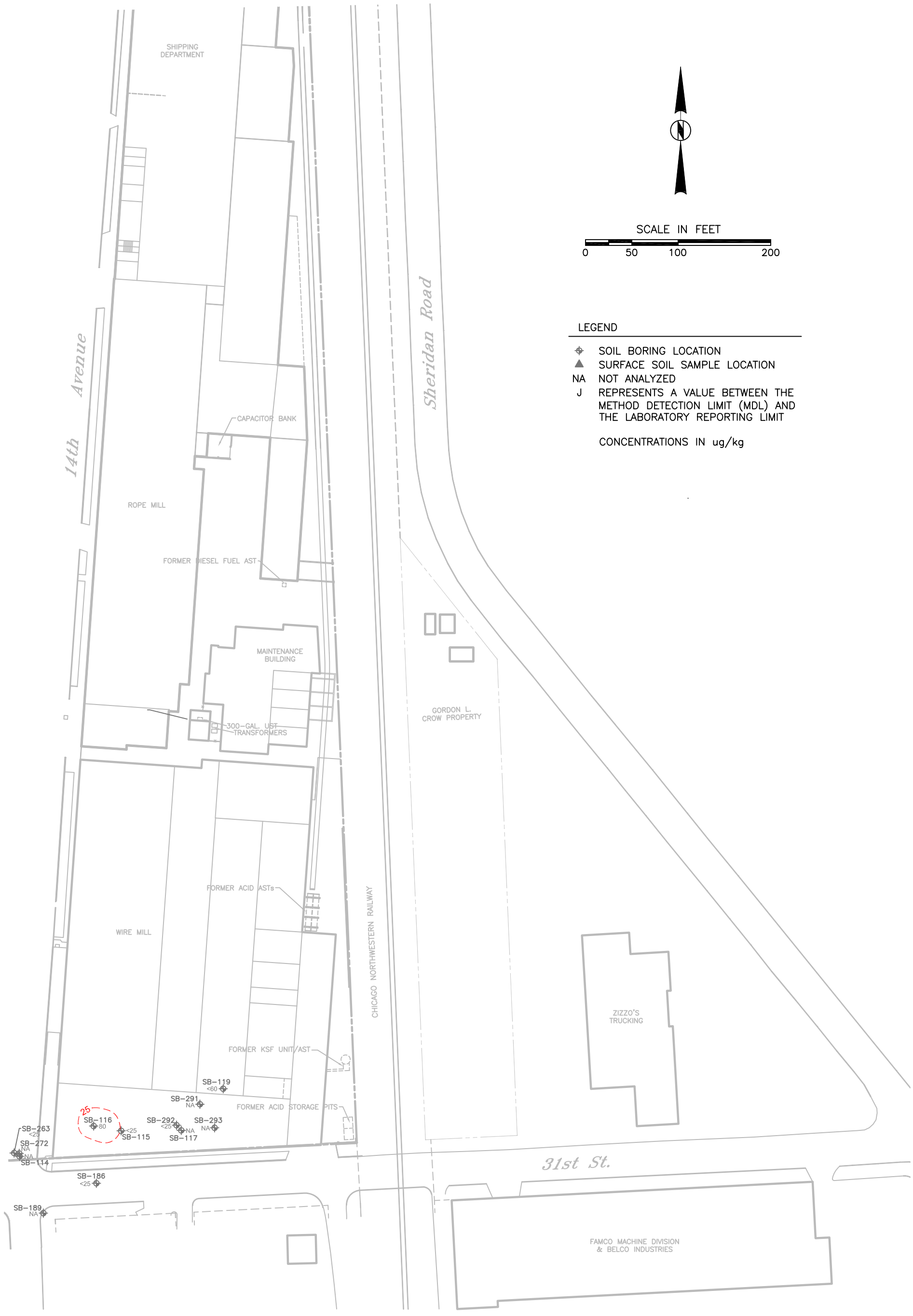
MACWHYTE/CaseSummary & CloseOutRequest\isoconcentration\Soil\soil-tetrachoro8-12-area1-2.dwg

MACWHYTE\CaseSummary & CloseOutRequest\Isoconcentration\Soil\soil-tetrachlor0-4-area4-6.dwg



SOIL ISOCONCENTRTION MAP
FOR TETRACHLOROETHENE (0-4' BGS)
AREAS 4 & 6
FORMER MACWHYTE COMPANY FACILITY
KENOSHA, WISCONSIN

ELM CONSULTING, LLC
111 East Kilbourn Ave., Suite 1750
Milwaukee, Wisconsin 53202
Phone: (414)225-9604
Fax: (414)225-9324

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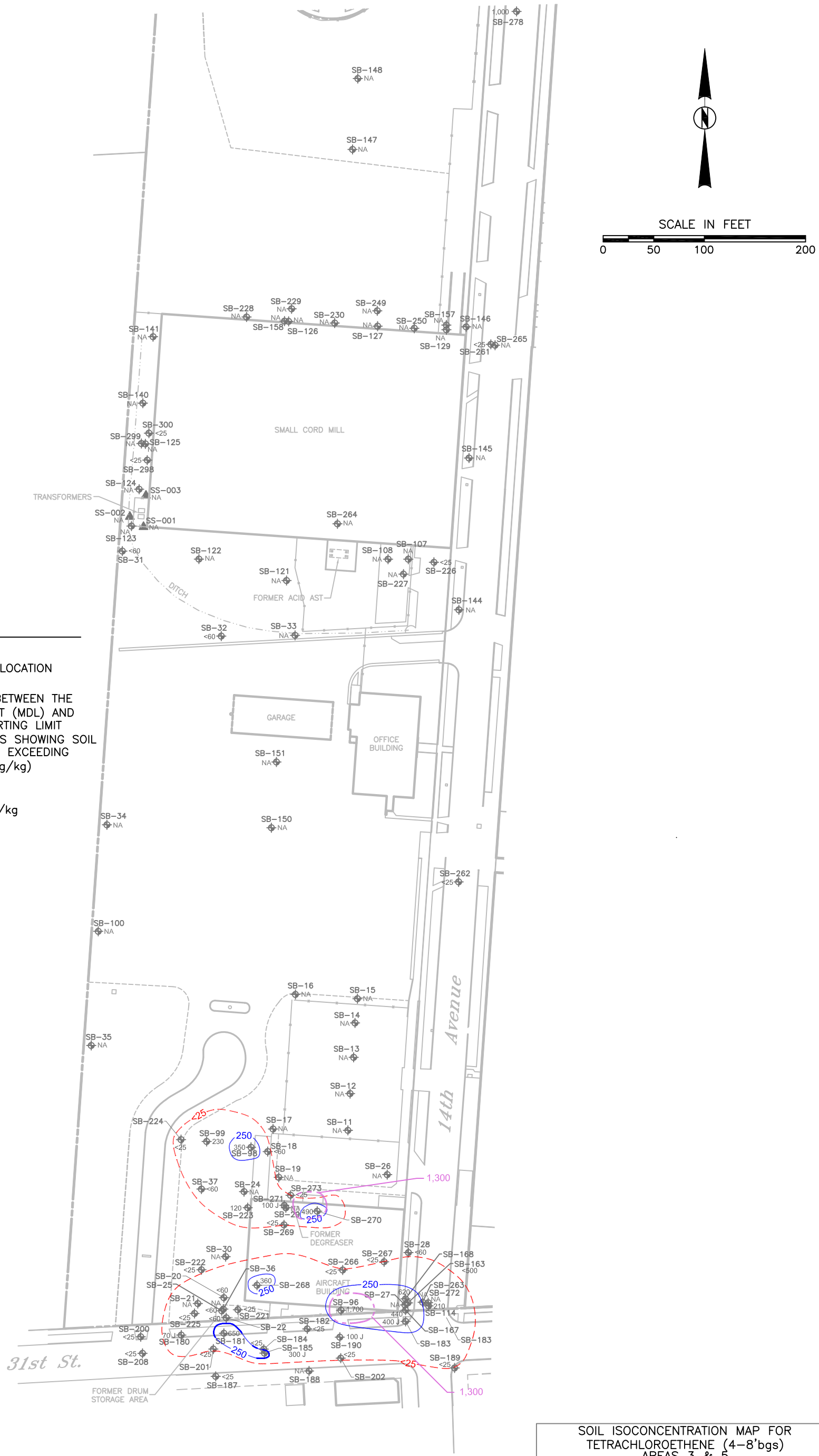
REVIEWED BY: BMB	DWG:	SECTION D

MACWHYTE\CASESUMMARY&CLOSEOUTREQUEST\ISOCONCENTRATION\SOIL\SOIL-TETRACHLOR4-8-AREA3-5.DWG



LEGEND

- SOIL BORING LOCATION
- SURFACE SOIL SAMPLE LOCATION
- NA NOT ANALYZED
- J REPRESENTS A VALUE BETWEEN THE METHOD DETECTION LIMIT (MDL) AND THE LABORATORY REPORTING LIMIT
- 1300 SOIL ISOCONCENTRATIONS SHOWING SOIL REMAINING ON THE SITE EXCEEDING THE SSRCLDC (1,300 ug/kg)

CONCENTRATIONS IN ug/kg

SOIL ISOCONCENTRATION MAP FOR TETRACHLOROETHENE (4-8'bgs)
AREAS 3 & 5
FORMER MACWHYTE COMPANY FACILITY
KENOSHA, WISCONSIN

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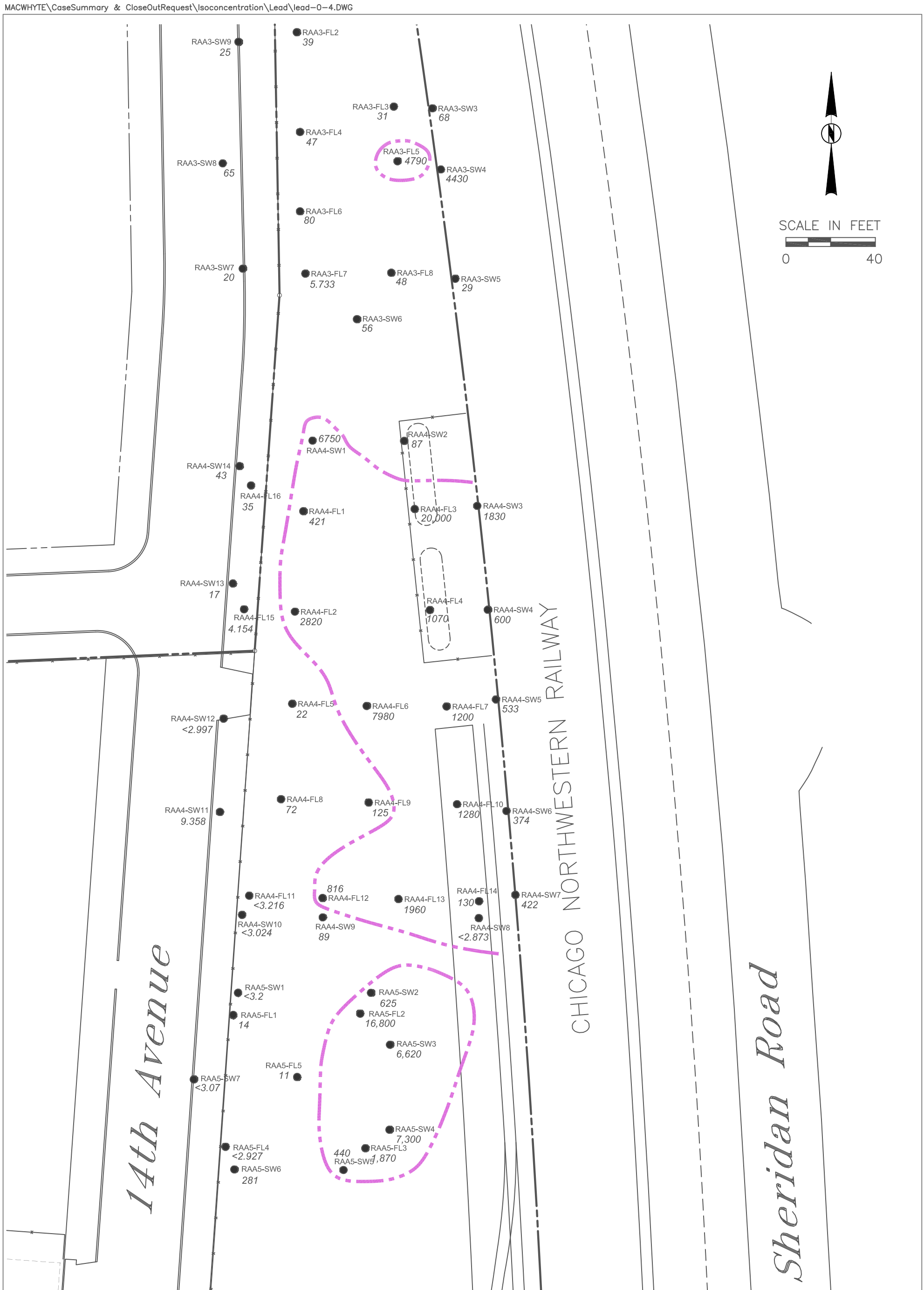
MACWHYTE\CaseSummary & CloseOutRequest\Isoconcentration\Lead\lead-0-4.DWG



BASEMAP BY CLAYTON GROUP SERVICES

LEGEND

FL1 ● FLOOR SAMPLE LOCATION

SW1 ● SIDE WALL SAMPLE LOCATION

- - - SOIL ISOCONCENTRATIONS SHOWING SOIL REMAINING ON THE SITE EXCEEDING THE SSRCLDC (400 mg/kg)

CONCENTRATIONS IN mg/kg

NOTE: All concentrations exceeding 400 mg/kg are located a minium of 2 ft below the exisitng grade.

SOIL ISOCONCENTRTION MAP
FOR LEAD (0-4' BGS)
AREAS 3, 4 & 5
FORMER MACWHYTE COMPANY FACILITY
KENOSHA, WISCONSIN

ELM CONSULTING, LLC
111 East Kilbourn Ave., Suite 1750
Milwaukee, Wisconsin 53202
Phone: (414)225-9604
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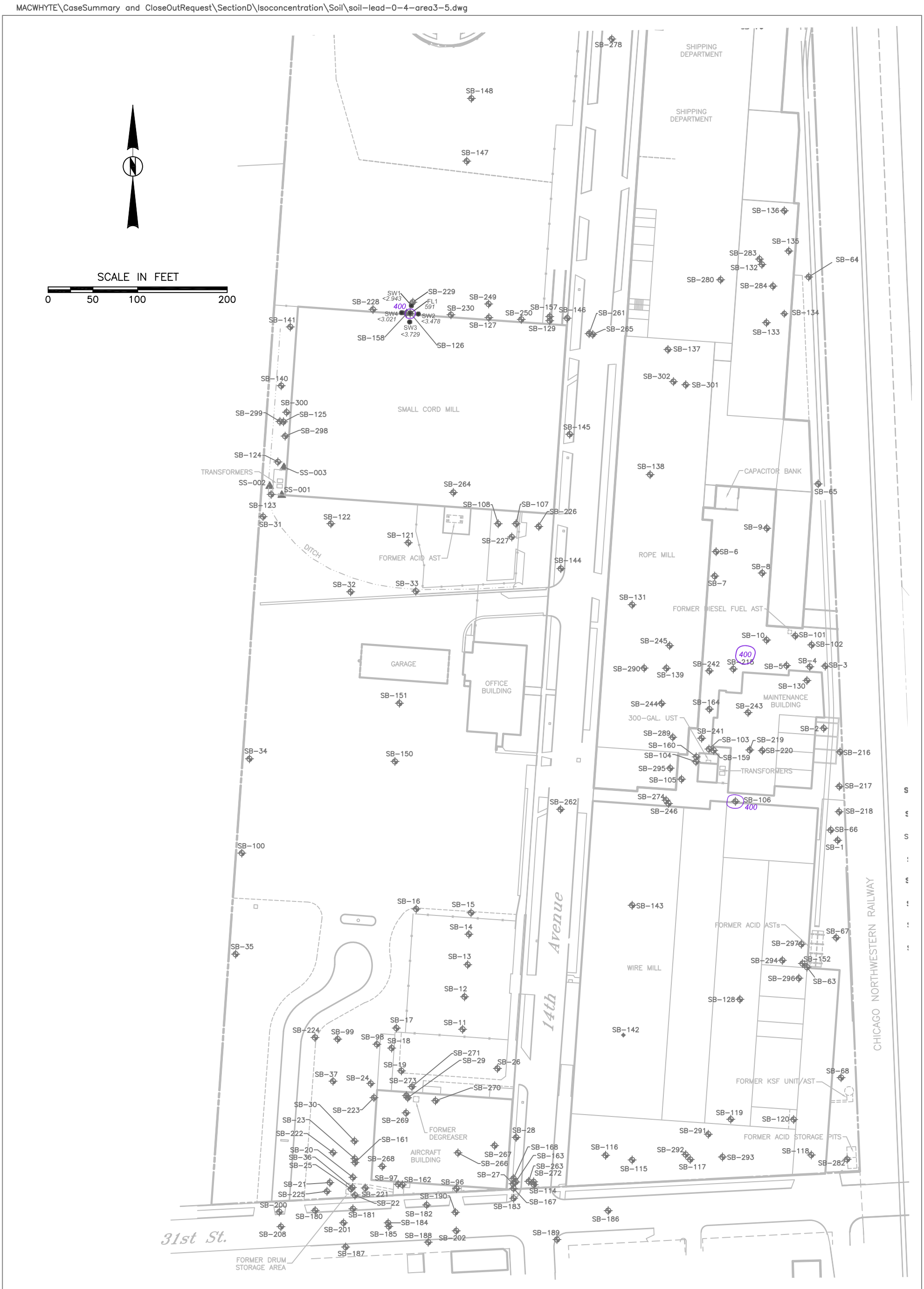
MACWHYTE\CaseSummary and CloseOutRequest\SectionD\Isoconcentration\Soil\soil-lead-0-4-area3-5.dwg



LEGEND

- SOIL BORING LOCATION
- SURFACE SOIL SAMPLE LOCATION
- NA NOT ANALYZED
- J REPRESENTS A VALUE BETWEEN THE METHOD DETECTION LIMIT (MDL) AND THE LABORATORY REPORTING LIMIT
- 1,300 SOIL ISOCONCENTRATIONS SHOWING SOIL REMAINING ON THE SITE EXCEEDING THE SSRCLDC (400 mg/kg)

CONCENTRATIONS IN mg/kg

SB = SOIL SAMPLES COLLECTED AS PART OF REMEDIAL INVESTIGATION (CLAYTON 2003)

RAA – POST REMEDIATION SAMPLES (ELM 2006)

SOIL ISOCONCENTRTION MAP
FOR LEAD (0-4' BGS)
AREAS 3 & 5
FORMER MACWHYTE COMPANY FACILITY
KENOSHA, WISCONSIN

ELM CONSULTING, LLC
111 East Kilbourn Ave., Suite 1750
Milwaukee, Wisconsin 53202
Phone: (414)225-9604
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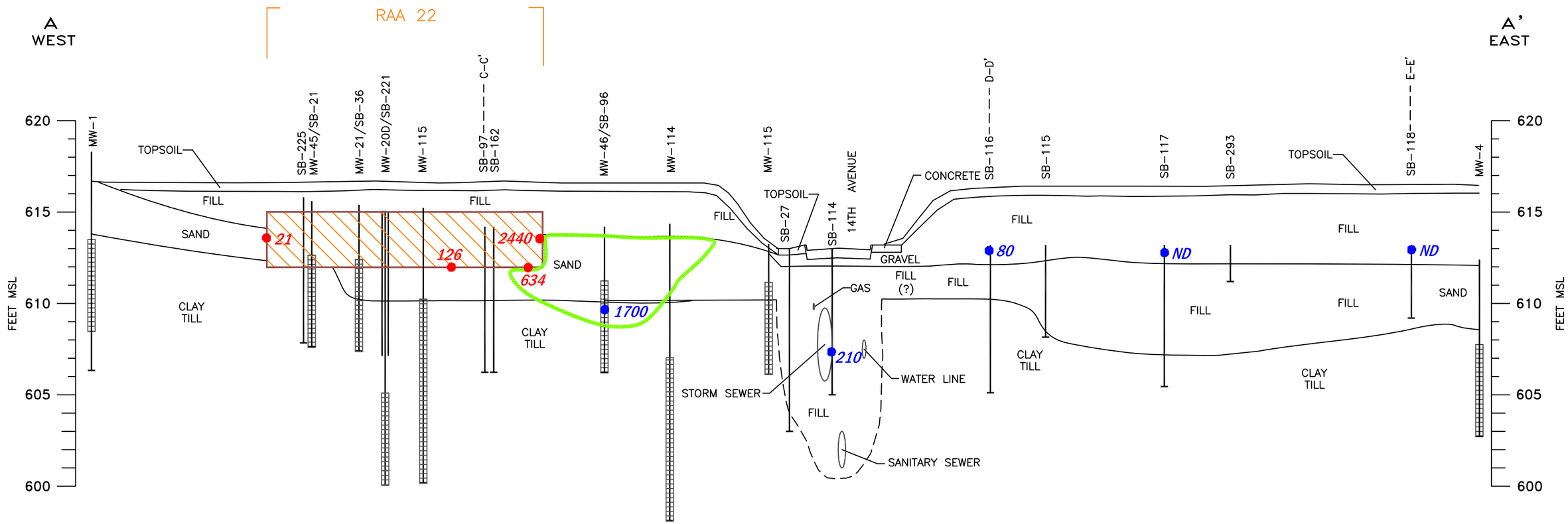
SECTION A – A'



NOTES:

1. VERTICAL EXAGGERATION X 10
   HORIZONTAL SCALE: 1"=50'
   VERTICAL SCALE: 1"=5'
2. CROSS SECTIONS ARE BASED ON BEST PROFESSIONAL JUDGEMENT USING AVAILABLE DATA. THE GEOLOGY PRESENTED IN THIS CROSS SECTION WAS GENERALIZED TO ILLUSTRATE THE MAJOR LITHOLOGIC UNITS AT THE SITE: GLACIAL TILL, SAND, GRAVEL, BASAL DEPOSITS, AND GALENA–PLATTEVILLE DOLOMITE. THE THICKNESS AND EXTENT OF THE LITHOLOGIC UNITS ARE APPROXIMATED AND GEOLOGIC CONTACTS BETWEEN BORING LOCATIONS ARE INFERRED.
3. RED LINES REPRESENT FOOTINGS, FOUNDATIONS, AND WALLS FOR THE BUILDINGS. THE FOOTINGS ARE ASSUMED TO BE 4 TO 5 FEET BELOW SURFACE GRADE.
4. CONTAMINANT CONCENTRATIONS REPRESENT MOST RECENT SAMPLE COLLECTED.

ENGINEERED BARRIER – DIRECT CONTACT AND INFILTRATION (EXCAVATION BACKFILLED WITH COMPACTED CLAY)

SOIL ISOCONCENTRATIONS SHOWING SOIL REMAINING ON THE SITE EXCEEDING THE SSRCLDC (1,300 ug/kg)

1300 POST REMEDIATION CONCENTRATIONS IN RED

1300 PRE–REMEDIATION CONCENTRATIONS IN BLUE

ND NO DETECT

GEOLOGIC CROSS–SECTION A–A'
POST REMEDIATION SOIL
RESIDUAL CONTAMINATION – PCE
FORMER MACWHYTE WIRE ROPE COMPANY
KENOSHA, WISCONSIN

ELM CONSULTING, LLC
111 East Kilbourn Ave., Suite 1750
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Phone: (414)225–9604
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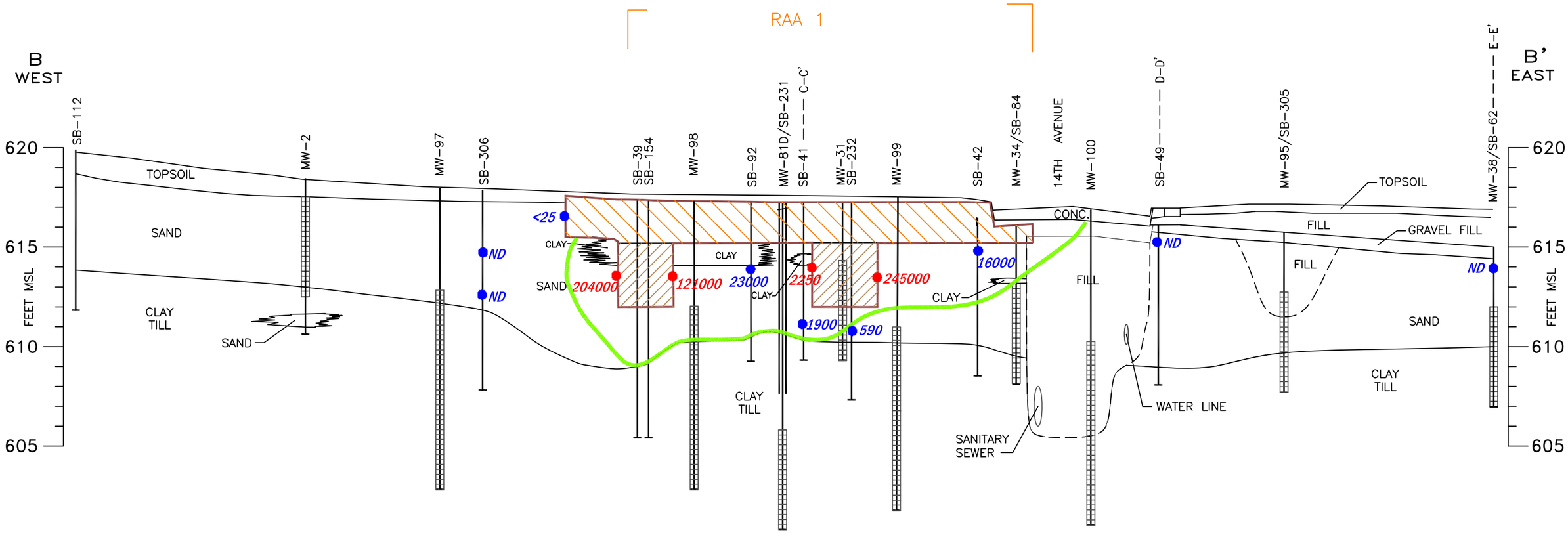
SECTION B – B'



NOTES:

1. VERTICAL EXAGGERATION X 10
   HORIZONTAL SCALE: 1"=50'
   VERTICAL SCALE: 1"=5'
2. CROSS SECTIONS ARE BASED ON BEST PROFESSIONAL JUDGEMENT USING AVAILABLE DATA. THE GEOLOGY PRESENTED IN THIS CROSS SECTION WAS GENERALIZED TO ILLUSTRATE THE MAJOR LITHOLOGIC UNITS AT THE SITE: GLACIAL TILL, SAND, GRAVEL, BASAL DEPOSITS, AND GALENA–PLATTEVILLE DOLOMITE. THE THICKNESS AND EXTENT OF THE LITHOLOGIC UNITS ARE APPROXIMATED AND GEOLOGIC CONTACTS BETWEEN BORING LOCATIONS ARE INFERRED.
3. RED LINES REPRESENT FOOTINGS, FOUNDATIONS, AND WALLS FOR THE BUILDINGS. THE FOOTINGS ARE ASSUMED TO BE 4 TO 5 FEET BELOW SURFACE GRADE.
4. CONTAMINANT CONCENTRATIONS REPRESENT MOST RECENT SAMPLE COLLECTED.

ENGINEERED BARRIER – DIRECT CONTACT AND INFILTRATION (EXCAVATION BACKFILLED WITH COMPACTED CLAY)

SOURCE AREA REMOVAL (EXCAVATION BACKFILLED WITH CRUSHED STONE)

SOIL ISOCONCENTRATIONS SHOWING SOIL REMAINING ON THE SITE EXCEEDING THE SSRCLDC (1,300 ug/kg)

1300 POST REMEDIATION CONCENTRATIONS IN RED

1300 PRE–REMEDIATION CONCENTRATIONS IN BLUE

ND NO DETECT

GEOLOGIC CROSS–SECTION B–B'
POST REMEDIATION SOIL
RESIDUAL CONTAMINATION – PCE
FORMER MACWHYTE WIRE ROPE COMPANY
KENOSHA, WISCONSIN

ELM CONSULTING, LLC
111 East Kilbourn Ave., Suite 1750
Milwaukee, Wisconsin 53202
Phone: (414)225–9604
Fax: (414)225–9324

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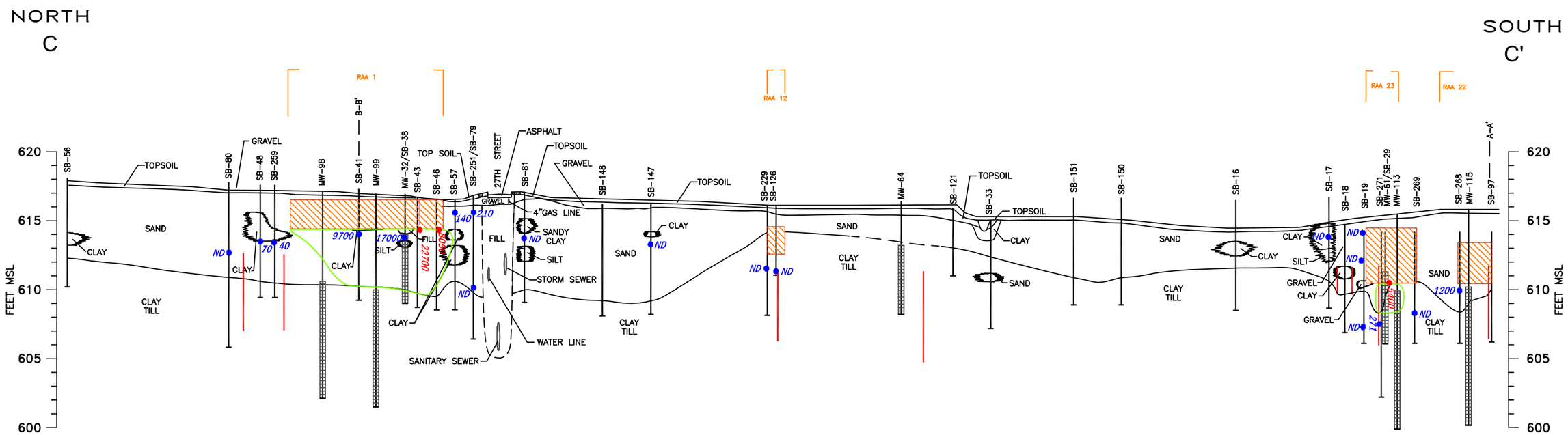
REVIEWED BY: BMB	DWG:	FIGURE

SECTION C – C'



NOTES:

1. VERTICAL EXAGGERATION X 20
   HORIZONTAL SCALE: 1"=150'
   VERTICAL SCALE: 1"=7.5'
2. CROSS SECTIONS ARE BASED ON BEST PROFESSIONAL JUDGMENT USING AVAILABLE DATA. THE GEOLOGY PRESENTED IN THIS CROSS SECTION WAS GENERALIZED TO ILLUSTRATE THE MAJOR LITHOLOGIC UNITS AT THE SITE: GLACIAL TILL, SAND, GRAVEL, BASAL DEPOSITS, AND GALENA–PLATTEVILLE DOLOMITE. THE THICKNESS AND EXTENT OF THE LITHOLOGIC UNITS ARE APPROXIMATED AND GEOLOGIC CONTACTS BETWEEN BORING LOCATIONS ARE INFERRED.
3. RED LINES REPRESENT REMNANT FOOTINGS, FOUNDATIONS, AND WALLS FOR THE BUILDINGS. THE FOOTINGS ARE ASSUMED TO BE 4 FEET BELOW SURFACE GRADE.
4. CONTAMINANT CONCENTRATIONS REPRESENT THE MOST RECENT SAMPLE COLLECTED.

ENGINEERED BARRIER – DIRECT CONTACT AND INFILTRATION (EXCAVATION BACKFILLED WITH COMPACTED CLAY)

SOIL ISOCONCENTRATIONS SHOWING SOIL REMAINING ON THE SITE EXCEEDING THE SSRCLDC (1,300 ug/kg)

1300 POST REMEDIATION CONCENTRATIONS IN RED

1300 PRE–REMEDIATION CONCENTRATIONS IN BLUE

ND NO DETECT

GEOLOGIC CROSS–SECTION C–C'
POST REMEDIATION SOIL
RESIDUAL CONTAMINATION – PCE
FORMER MACWHYTE WIRE ROPE COMPANY
KENOSHA, WISCONSIN

ELM CONSULTING, LLC
111 East Kilbourn Ave., Suite 1750
Milwaukee, Wisconsin 53202
Phone: (414)225–9604
Fax: (414)225–9324

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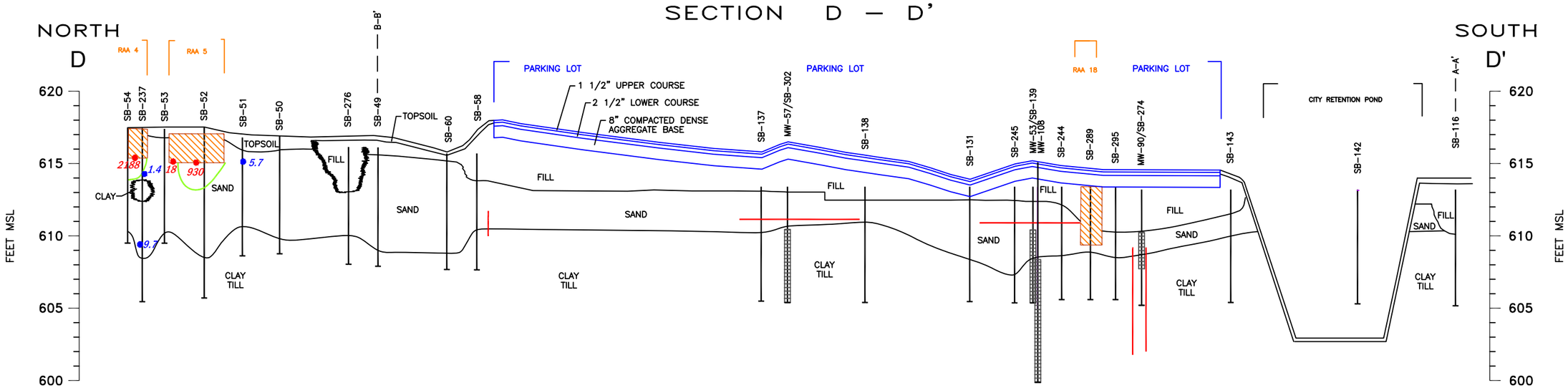
SECTION D – D'



NOTES:

1. VERTICAL EXAGGERATION X 20
   HORIZONTAL SCALE: 1"=150'
   VERTICAL SCALE: 1"=7.5'
2. CROSS SECTIONS ARE BASED ON BEST PROFESSIONAL JUDGMENT USING AVAILABLE DATA. THE GEOLOGY PRESENTED IN THIS CROSS SECTION WAS GENERALIZED TO ILLUSTRATE THE MAJOR LITHOLOGIC UNITS AT THE SITE: GLACIAL TILL, SAND, GRAVEL, BASAL DEPOSITS, AND GALENA–PLATTEVILLE DOLOMITE. THE THICKNESS AND EXTENT OF THE LITHOLOGIC UNITS ARE APPROXIMATED AND GEOLOGIC CONTACTS BETWEEN BORING LOCATIONS ARE INFERRED.
3. RED LINES REPRESENT REMNANT FOOTINGS, FOUNDATIONS, AND WALLS FOR THE BUILDINGS. THE FOOTINGS ARE ASSUMED TO BE 4 FEET BELOW SURFACE GRADE.
4. CONTAMINANT CONCENTRATIONS REPRESENT THE MOST RECENT SAMPLE COLLECTED.

ENGINEERED BARRIER – DIRECT CONTACT AND INFILTRATION (EXCAVATION BACKFILLED WITH COMPACTED CLAY)

SOIL ISOCONCENTRATIONS SHOWING SOIL REMAINING ON THE SITE EXCEEDING THE SSRCLDC (400 mg/kg)

400 POST REMEDIATION CONCENTRATIONS IN RED

400 PRE–REMEDIATION CONCENTRATIONS IN BLUE

ND NO DETECT

GEOLOGIC CROSS–SECTION D–D'
POST REMEDIATION SOIL
RESIDUAL CONTAMINATION – LEAD
FORMER MACWHYTE WIRE AND ROPE
KENOSHA, WISCONSIN

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Milwaukee, Wisconsin 53202
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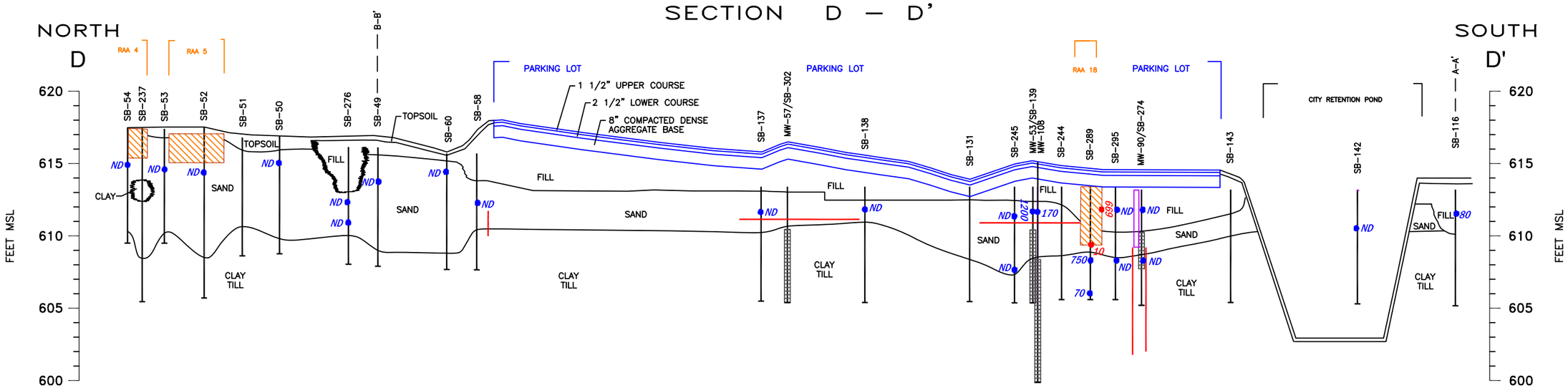
SECTION D – D'



NOTES:

1. VERTICAL EXAGGERATION X 20
   HORIZONTAL SCALE: 1"=150'
   VERTICAL SCALE: 1"=7.5'
2. CROSS SECTIONS ARE BASED ON BEST PROFESSIONAL JUDGMENT USING AVAILABLE DATA. THE GEOLOGY PRESENTED IN THIS CROSS SECTION WAS GENERALIZED TO ILLUSTRATE THE MAJOR LITHOLOGIC UNITS AT THE SITE: GLACIAL TILL, SAND, GRAVEL, BASAL DEPOSITS, AND GALENA–PLATTEVILLE DOLOMITE. THE THICKNESS AND EXTENT OF THE LITHOLOGIC UNITS ARE APPROXIMATED AND GEOLOGIC CONTACTS BETWEEN BORING LOCATIONS ARE INFERRED.
3. RED LINES REPRESENT REMNANT FOOTINGS, FOUNDATIONS, AND WALLS FOR THE BUILDINGS. THE FOOTINGS ARE ASSUMED TO BE 4 FEET BELOW SURFACE GRADE.
4. CONTAMINANT CONCENTRATIONS REPRESENT THE MOST RECENT SAMPLE COLLECTED.

ENGINEERED BARRIER – DIRECT CONTACT AND INFILTRATION (EXCAVATION BACKFILLED WITH COMPACTED CLAY)

SOIL ISOCONCENTRATIONS SHOWING SOIL REMAINING ON THE SITE EXCEEDING THE SSRCLDC (1,300 ug/kg)

1300 POST REMEDIATION CONCENTRATIONS IN RED

1300 PRE–REMEDIATION CONCENTRATIONS IN BLUE

ND NO DETECT

GEOLOGIC CROSS–SECTION D–D'
POST REMEDIATION SOIL
RESIDUAL CONTAMINATION – PCE
FORMER MACWHYTE WIRE AND ROPE
KENOSHA, WISCONSIN

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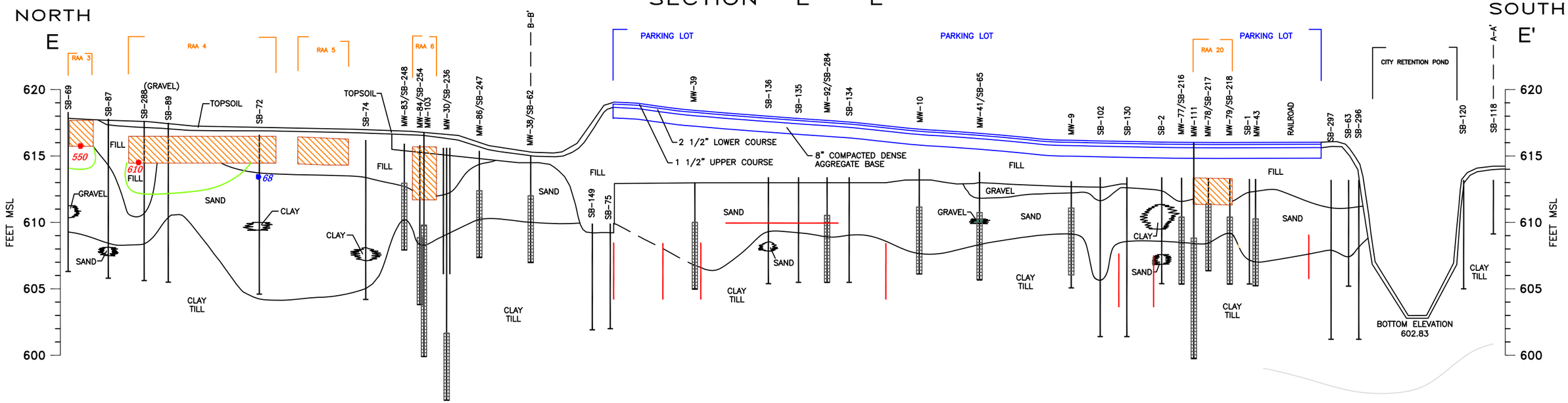
REVIEWED BY: BMB	DWG:	SECTION D

SECTION E – E'



NOTES:

1. VERTICAL EXAGGERATION X 20
   HORIZONTAL SCALE: 1"=150'
   VERTICAL SCALE: 1"=7.5'
2. CROSS SECTIONS ARE BASED ON BEST PROFESSIONAL JUDGMENT USING AVAILABLE DATA. THE GEOLOGY PRESENTED IN THIS CROSS SECTION WAS GENERALIZED TO ILLUSTRATE THE MAJOR LITHOLOGIC UNITS AT THE SITE: GLACIAL TILL, SAND, GRAVEL, BASAL DEPOSITS, AND GALENA–PLATTEVILLE DOLOMITE. THE THICKNESS AND EXTENT OF THE LITHOLOGIC UNITS ARE APPROXIMATED AND GEOLOGIC CONTACTS BETWEEN BORING LOCATIONS ARE INFERRED.
3. RED LINES REPRESENT REMNANT FOOTINGS, FOUNDATIONS, AND WALLS FOR THE BUILDINGS. THE FOOTINGS ARE ASSUMED TO BE 4 FEET BELOW SURFACE GRADE.
4. CONTAMINANT CONCENTRATIONS REPRESENT THE MOST RECENT SAMPLE COLLECTED.

ENGINEERED BARRIER – DIRECT CONTACT AND INFILTRATION (EXCAVATION BACKFILLED WITH COMPACTED CLAY)

SOIL ISOCONCENTRATIONS SHOWING SOIL REMAINING ON THE SITE EXCEEDING THE SSRCLDC (400 mg/kg)

400 POST REMEDIATION CONCENTRATIONS IN RED

400 PRE–REMEDIATION CONCENTRATIONS IN BLUE

ND NO DETECT

GEOLOGIC CROSS–SECTION E–E'
POST REMEDIATION SOIL
RESIDUAL CONTAMINATION – LEAD
FORMER MACWHYTE WIRE ROPE FACILITY
KENOSHA, WISCONSIN

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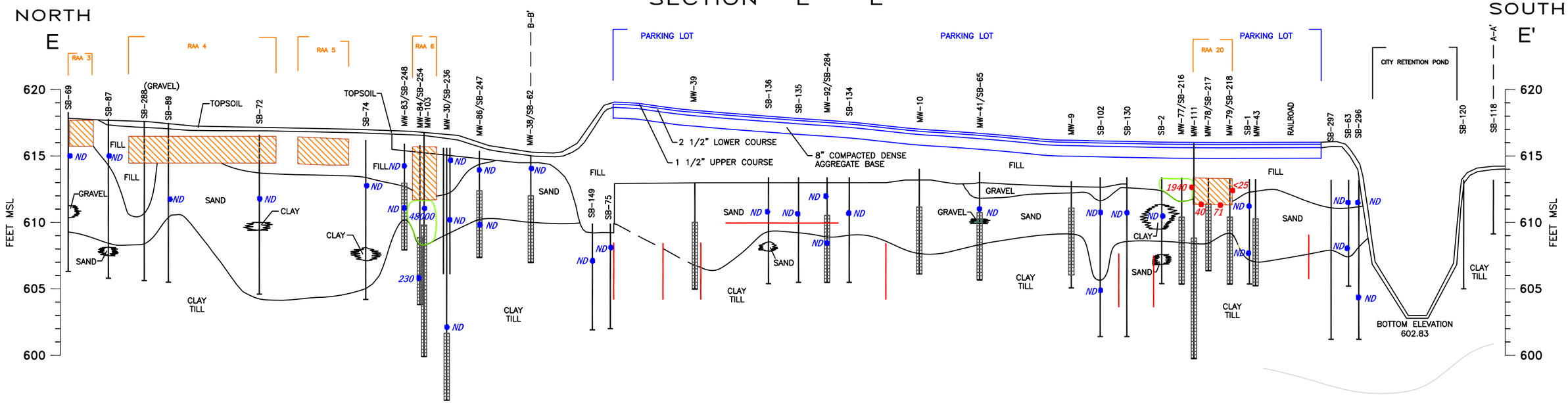
DRAWN BY: LMS	DATE: 06JUL11	P.N.:
REVIEWED BY: BMB	DWG:	SECTION D

SECTION E – E'



NOTES:

1. VERTICAL EXAGGERATION X 20
   HORIZONTAL SCALE: 1"=150'
   VERTICAL SCALE: 1"=7.5'
2. CROSS SECTIONS ARE BASED ON BEST PROFESSIONAL JUDGMENT USING AVAILABLE DATA. THE GEOLOGY PRESENTED IN THIS CROSS SECTION WAS GENERALIZED TO ILLUSTRATE THE MAJOR LITHOLOGIC UNITS AT THE SITE: GLACIAL TILL, SAND, GRAVEL, BASAL DEPOSITS, AND GALENA–PLATTEVILLE DOLOMITE. THE THICKNESS AND EXTENT OF THE LITHOLOGIC UNITS ARE APPROXIMATED AND GEOLOGIC CONTACTS BETWEEN BORING LOCATIONS ARE INFERRED.
3. RED LINES REPRESENT REMNANT FOOTINGS, FOUNDATIONS, AND WALLS FOR THE BUILDINGS. THE FOOTINGS ARE ASSUMED TO BE 4 FEET BELOW SURFACE GRADE.
4. CONTAMINANT CONCENTRATIONS REPRESENT THE MOST RECENT SAMPLE COLLECTED.

ENGINEERED BARRIER – DIRECT CONTACT AND INFILTRATION (EXCAVATION BACKFILLED WITH COMPACTED CLAY)

SOIL ISOCONCENTRATIONS SHOWING SOIL REMAINING ON THE SITE EXCEEDING THE SSRCLDC (1,300 ug/kg)

1300 POST REMEDIATION CONCENTRATIONS IN RED

1300 PRE–REMEDIATION CONCENTRATIONS IN BLUE

ND NO DETECT

GEOLOGIC CROSS–SECTION E–E'
POST REMEDIATION SOIL
RESIDUAL CONTAMINATION – PCE
FORMER MACWHYTE WIRE ROPE FACILITY
KENOSHA, WISCONSIN

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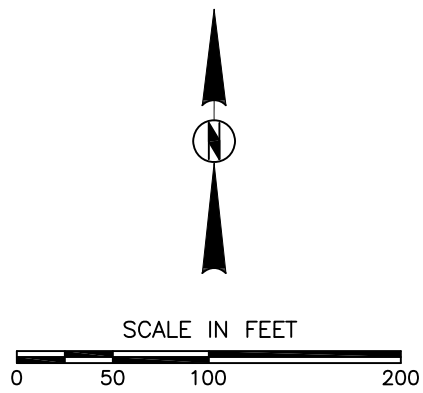
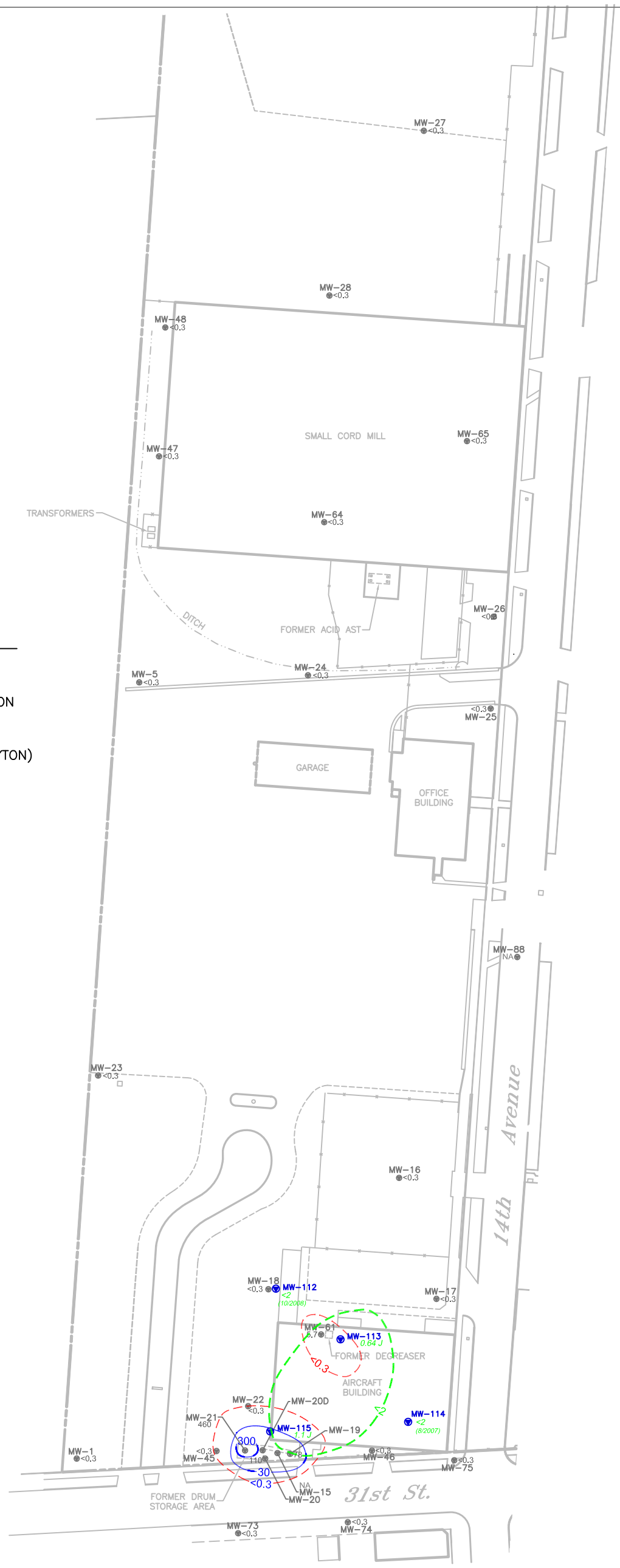
DRAWN BY: LMS	DATE: 06JUL11	P.N.:
REVIEWED BY: BMB	DWG:	SECTION D

MACWHYTE\CASESUMMARY AND CLOSEOUT REQUEST\ISOCONCENTRATION\VINYLCHLORIDE3-5.DWG





LEGEND

- MONITORING WELL LOCATION
- NA NOT ANALYZED
- J REPRESENTS A VALUE BETWEEN THE METHOD DETECTION LIMIT (MDL) AND THE LABORATORY REPORTING LIMIT THE MDL FOR THIS COMPOUND IS 0.3 ug/L
- CONTOURS REPRESENTING 2002 CONCENTRATION (CLAYTON)
- CONTOURS REPRESENTING MOST RECENT 2007-2008 CONCENTRATIONS (ELM)

PREVENTIVE ACTION LIMIT: 0.02 ug/L
ENFORCEMENT STANDARD: 0.2 ug/L
CONCENTRATIONS IN ug/L

NAME	DATE SAMPLED
MW-112	10/2008
MW-113	8/2011
MW-114	8/2007
MW-115	8/2011

GROUNDWATER ISOCONCENTRATION MAP
AREAS 3 & 5 VINYL CHLORIDE
AUGUST 2002 AND MOST RECENT
FORMER MACWHYTE COMPANY FACILITY
KENOSHA, WISCONSIN

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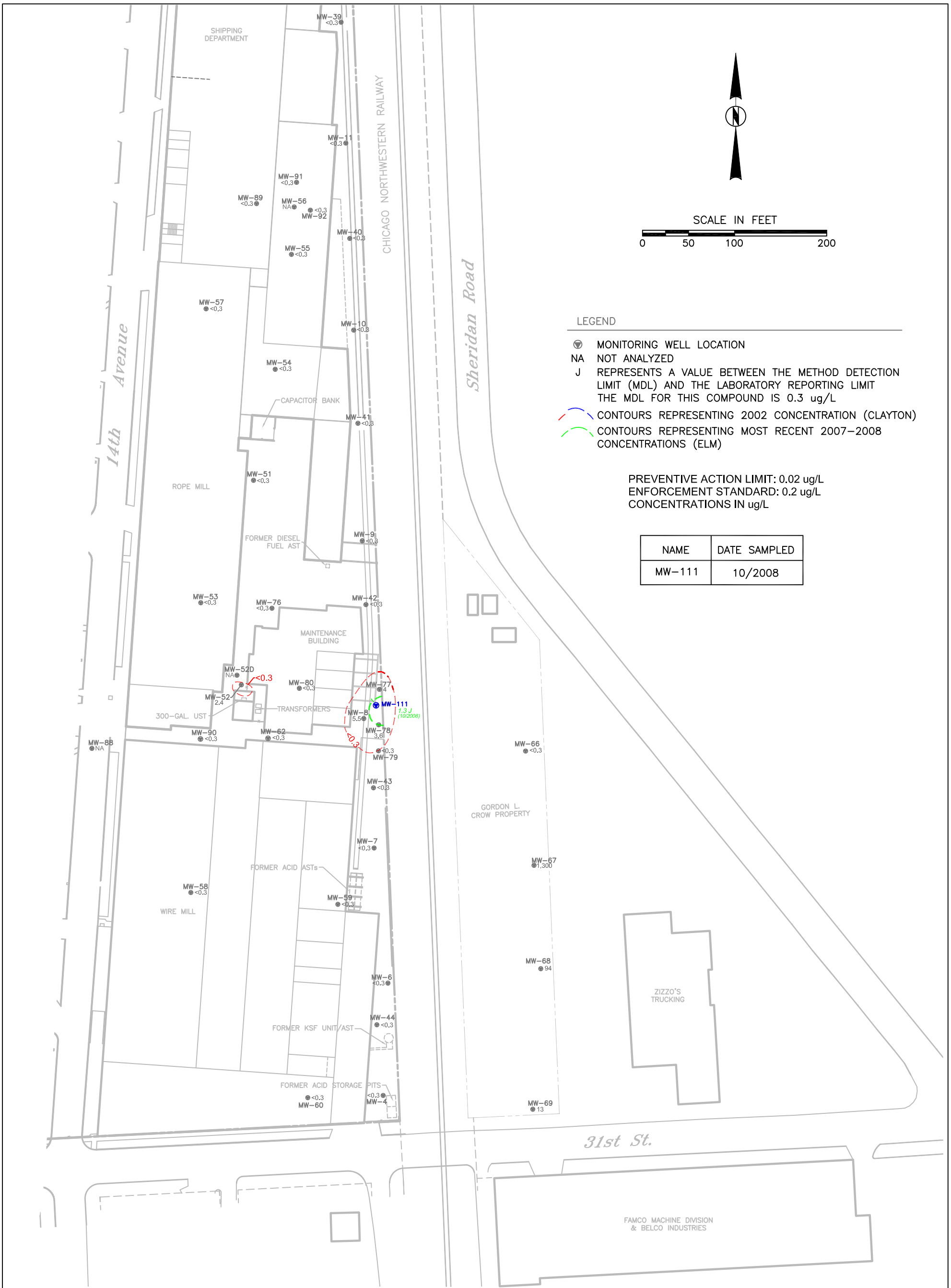
DRAWN BY: LMS	DATE: 10JUN11	P.N.: BA-0007-10
REVIEWED BY: BMB	DWG:	ATTACHMENT E

MACWHYTE\CASESUMMARY AND CLOSEOUT REQUEST\ISOCONCENTRATION\VINYL CHLORIDE4-6.DWG



GROUNDWATER ISOCONCENTRATION MAP
AREAS 4 & 6 VINYL CHLORIDE
AUGUST 2002 & MOST RECENT
FORMER MACWHYTE COMPANY FACILITY
KENOSHA, WISCONSIN

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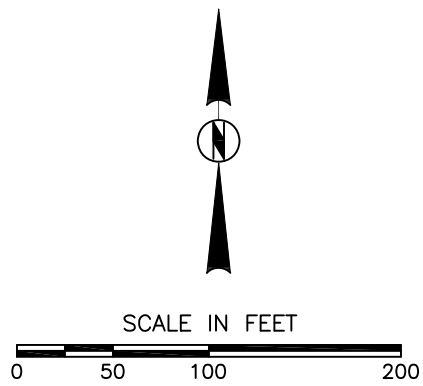
REVIEWED BY: BMB	DWG:	ATTACHMENT E

MACWHYTE\CASESUMMARY AND CLOSEOUT REQUEST\ISOCONCENTRATION\TETRACHLOROETHENE 3-5.DWG

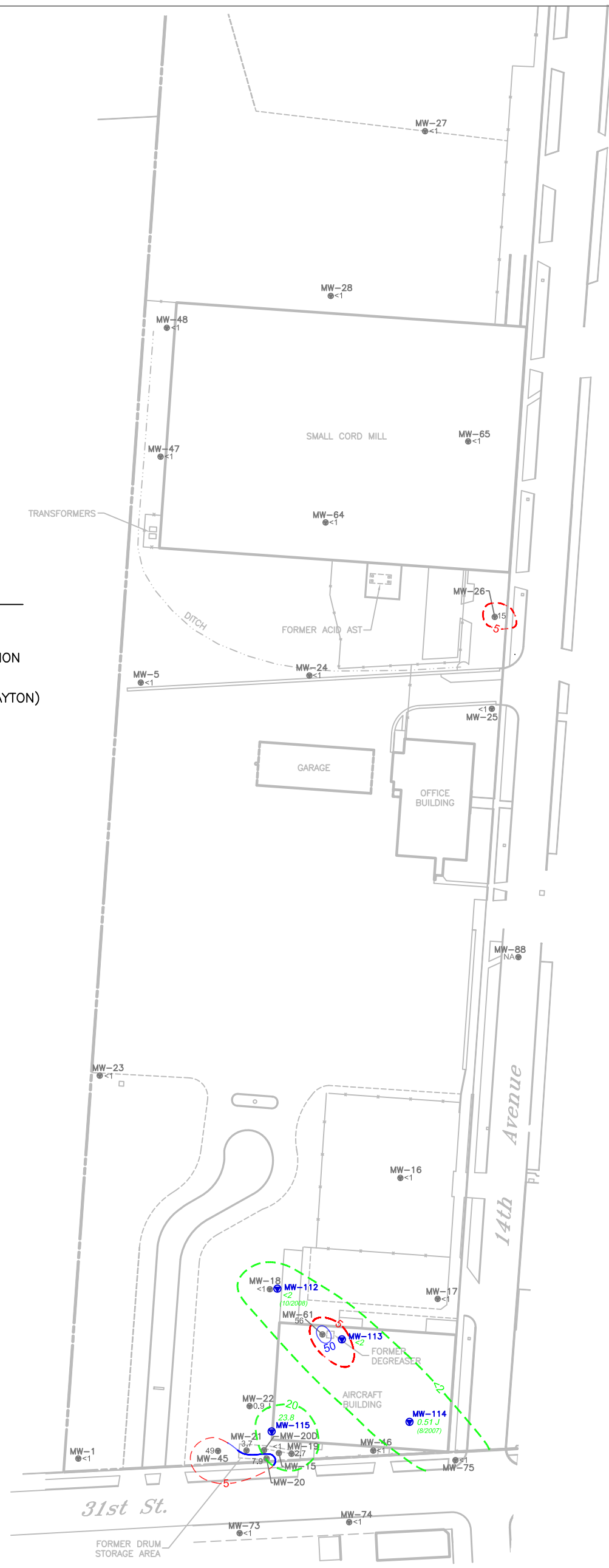


LEGEND

- MONITORING WELL LOCATION
- NA NOT ANALYZED
- J REPRESENTS A VALUE BETWEEN THE METHOD DETECTION LIMIT (MDL) AND THE LABORATORY REPORTING LIMIT
- CONTOURS REPRESENTING 2002 CONCENTRATION (CLAYTON)
- CONTOURS REPRESENTING MOST RECENT 2007-2008 CONCENTRATIONS (ELM)

PREVENTIVE ACTION LIMIT: 0.5 ug/L
ENFORCEMENT STANDARD: 5.0 ug/L
CONCENTRATIONS IN ug/L

NAME	DATE SAMPLED
MW-112	10/2008
MW-113	8/2011
MW-114	8/2007
MW-115	8/2011



GROUNDWATER ISOCONCENTRATION MAP
AREAS 3 & 5 TRICHLOROETHENE
AUGUST 2002 AND MOST RECENT
FORMER MACWHYTE COMPANY FACILITY
KENOSHA, WISCONSIN

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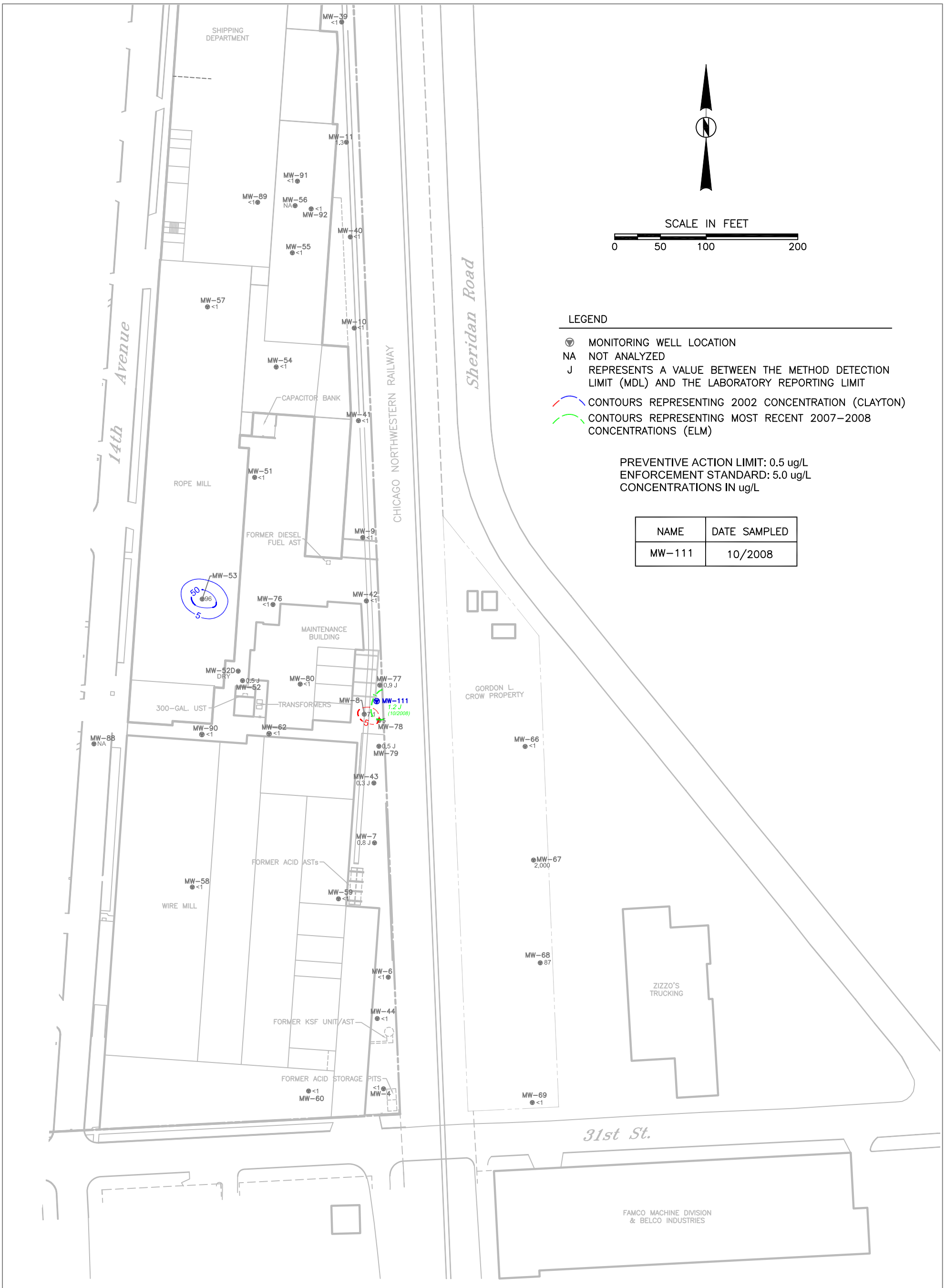
DRAWN BY: LMS	DATE: 10JUN11	P.N.: BA-0007-10
REVIEWED BY: BMB	DWG:	ATTACHMENT E

MACWHYTE\CASESUMMARY AND CLOSEOUT REQUEST\ISOCONCENTRATION\TRICHLOROETHENE4-6.DWG



GROUNDWATER ISOCONCENTRATION MAP
AREAS 4 & 6 TRICHLOROETHENE
AUGUST 2002 AND MOST RECENT
FORMER MACWHYTE COMPANY FACILITY
KENOSHA, WISCONSIN

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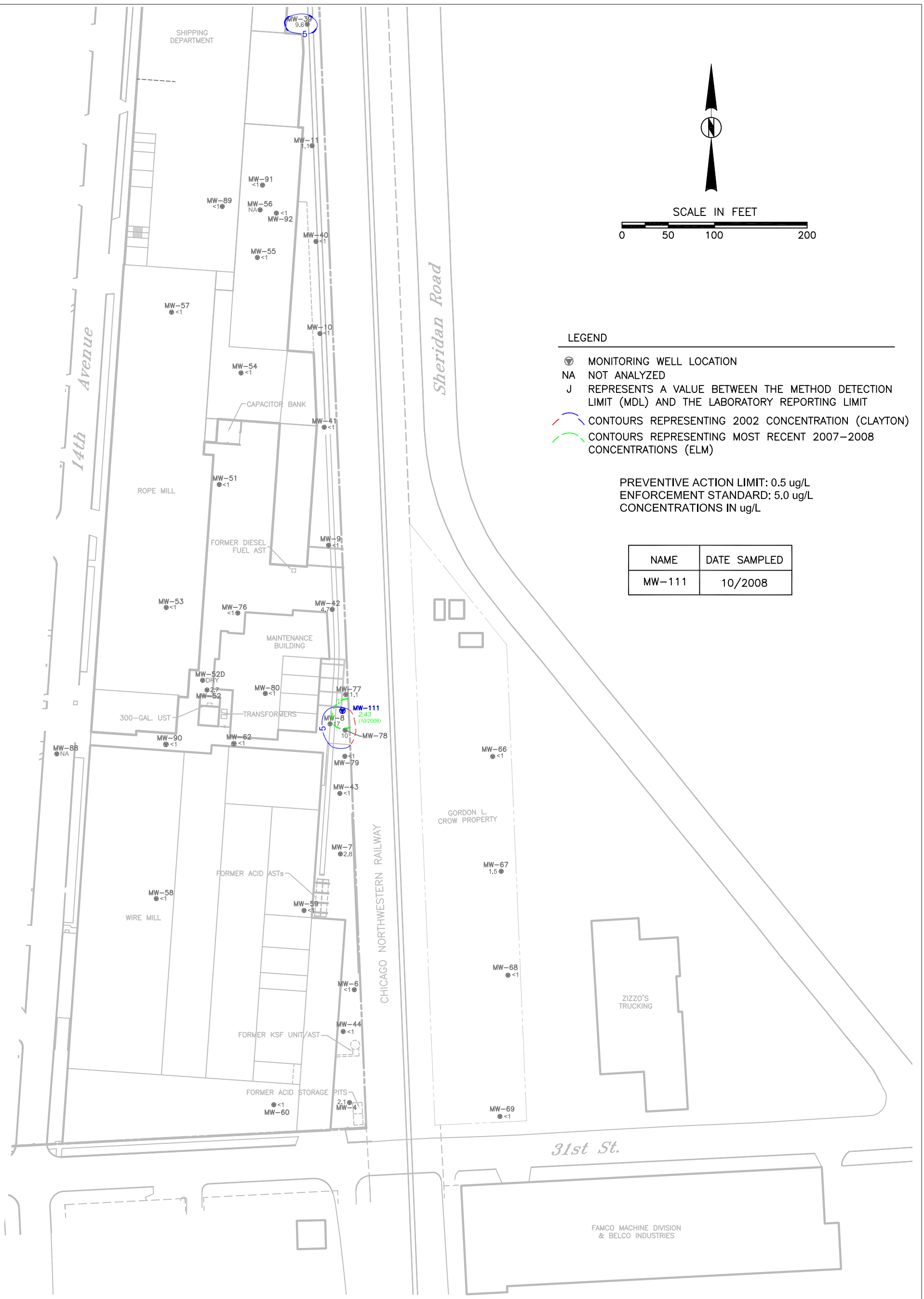
DRAWN BY: LMS	DATE: 10JUN11	P.N.: BA-0007-10
REVIEWED BY: BMB	DWG:	ATTACHMENT E

MACWHYTE\CASESUMMARY AND CLOSEOUT REQUEST\ISOCONCENTRATION\TETRACHLOROETHENE4-6.DWG



GROUNDWATER ISOCONCENTRATION MAP
AREAS 4 & 6 TETRACHLOROETHENE
AUGUST 2002 AND MOST RECENT
FORMER MACWHYTE COMPANY FACILITY
KENOSHA, WISCONSIN

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DRAWN BY: LMS	DATE: 10JUN11	P.N.: BA-0007-10
REVIEWED BY: BMB	DWG:	ATTACHMENT E

MACWHYTE\CASESUMMARY AND CLOSEOUT REQUEST\ISOCONCENTRATION\TETRACHLOROETHENE 3–5.DWG

SCALE IN FEET

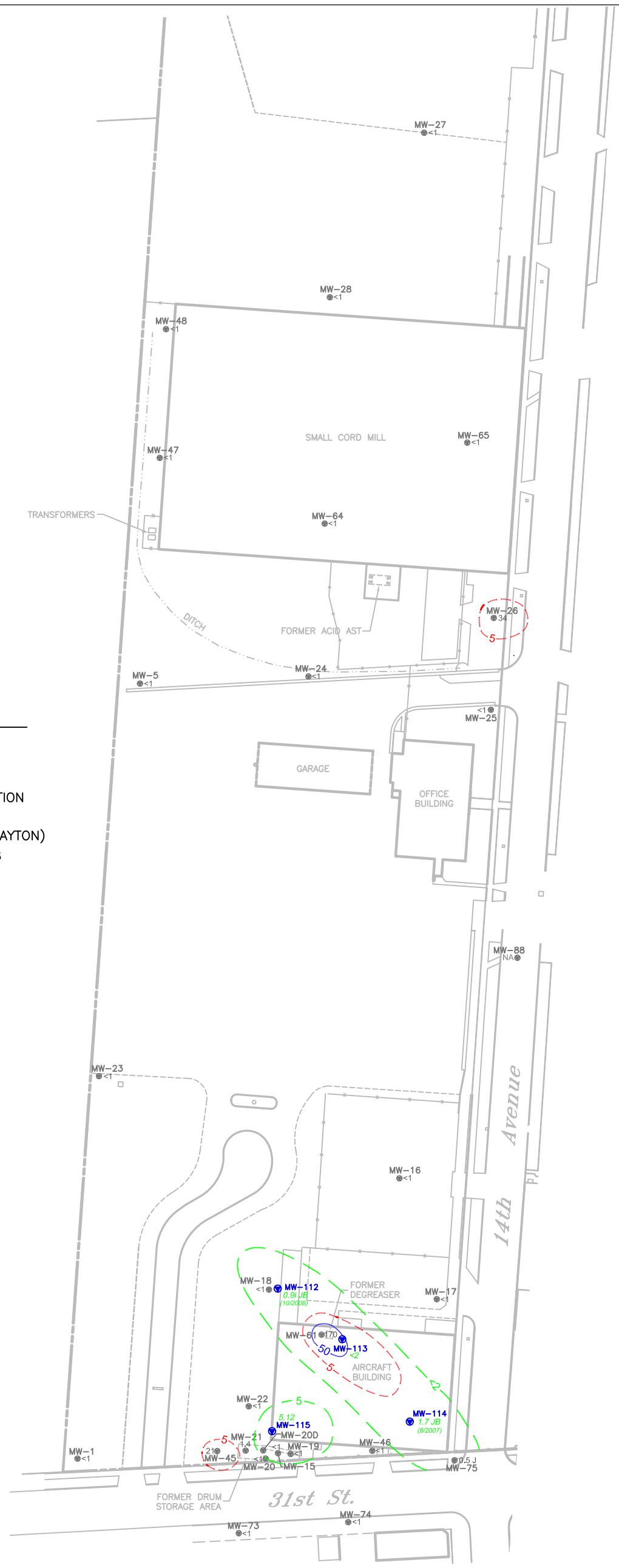
0 50 100 200

LEGEND

- MONITORING WELL LOCATION (CLAYTON INSTALLED)
- MONITORING WELL LOCATION (ELM INSTALLED)
- NA NOT ANALYZED
- J REPRESENTS A VALUE BETWEEN THE METHOD DETECTION LIMIT (MDL) AND THE LABORATORY REPORTING LIMIT
- CONTOURS REPRESENTING 2002 CONCENTRATION (CLAYTON)
- CONTOURS REPRESENTING MOST RECENT 2007–2008 CONCENTRATIONS (ELM)

PREVENTIVE ACTION LIMIT: 0.5 ug/L
ENFORCEMENT STANDARD: 5.0 ug/L
CONCENTRATIONS IN ug/L

NAME	DATE SAMPLED
MW–112	10/2008
MW–113	8/2011
MW–114	8/2007
MW–115	8/2011



GROUNDWATER ISOCONCENTRATION MAP
AREAS 3 & 5 TETRACHLOROETHENE
AUGUST 2002 & MOST RECENT
FORMER MACWHYTE COMPANY FACILITY
KENOSHA, WISCONSIN

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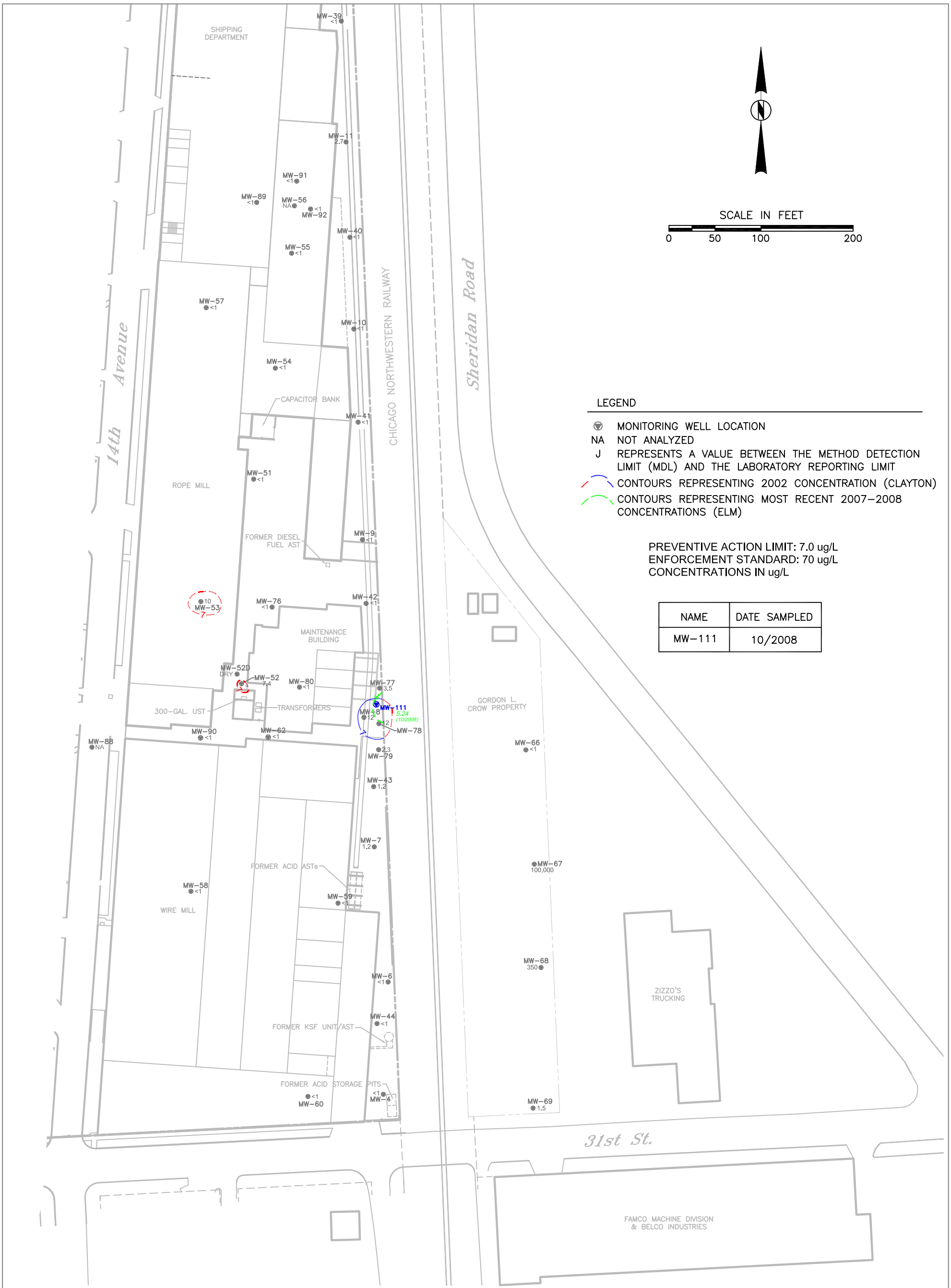
Fax: (414)225–9324

DRAWN BY: LMS	DATE: 10JUN11	P.N.: BA–0007–10
REVIEWED BY: BMB	DWG:	ATTACHMENT E

MACWHYTE\CASESUMMARY AND CLOSEOUT REQUEST\ISOCONCENTRATION\CIS-1-2-DICHLOROETHENE3-5.DWG



GROUNDWATER ISOCONCENTRATION MAP
AREAS 4 & 6 CIS-1,2-DICHLOROETHENE
AUGUST 2002 & MOST RECENT
FORMER MACWHYTE COMPANY FACILITY
KENOSHA, WISCONSIN

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DRAWN BY: LMS	DATE: 27MAY11	P.N.: BA-0007-10
REVIEWED BY: BMB	DWG:	FIGURE - E

MACWHYTE\CASESUMMARY AND CLOSEOUT REQUEST\ISOCONCENTRATION\CIS-1-2-DICHLOROETHENE3-5.DWG

SCALE IN FEET

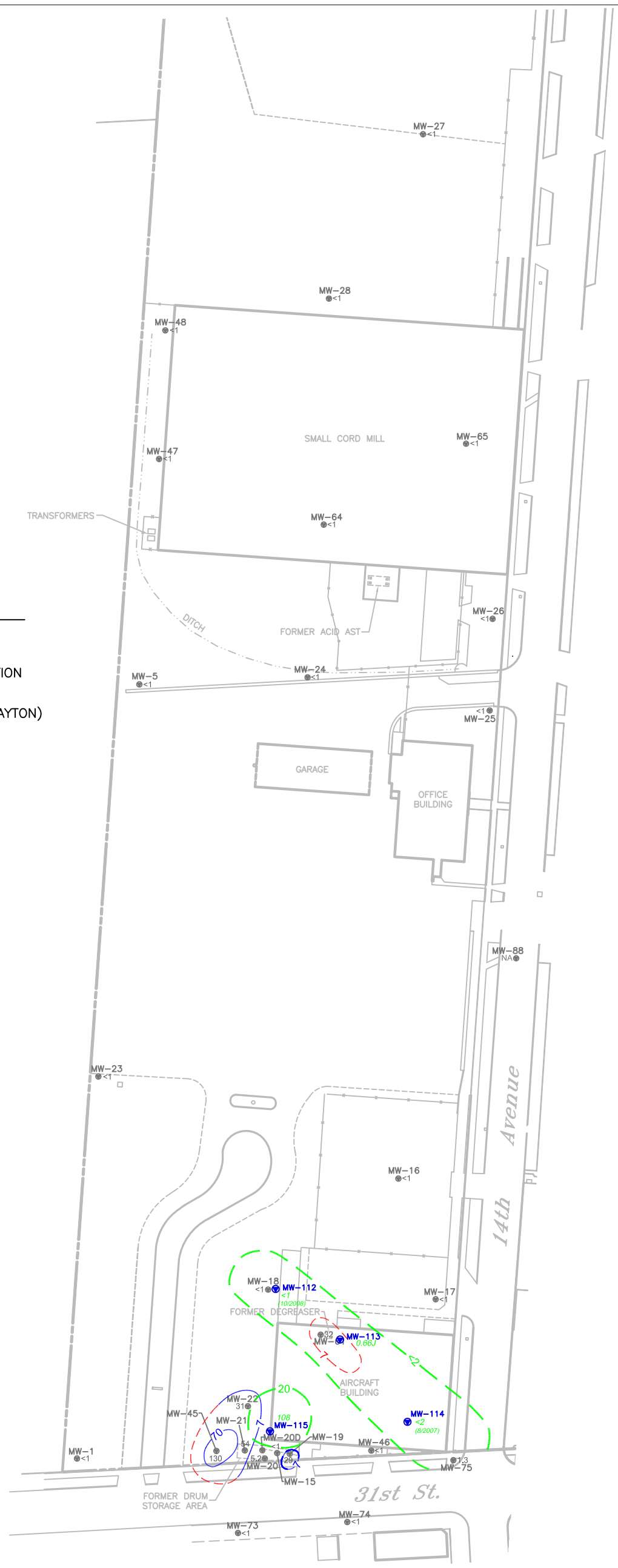
0 50 100 200

LEGEND

- MONITORING WELL LOCATION
- NA NOT ANALYZED
- J REPRESENTS A VALUE BETWEEN THE METHOD DETECTION LIMIT (MDL) AND THE LABORATORY REPORTING LIMIT
- CONTOURS REPRESENTING 2002 CONCENTRATION (CLAYTON)
- CONTOURS REPRESENTING MOST RECENT 2007-2008 CONCENTRATIONS (ELM)

PREVENTIVE ACTION LIMIT: 7 ug/L
ENFORCEMENT STANDARD: 70 ug/L
CONCENTRATIONS IN ug/L

NAME	DATE SAMPLED
MW-112	10/2008
MW-113	8/2011
MW-114	8/2007
MW-115	8/2011



GROUNDWATER ISOCONCENTRATION MAP
AREAS 3 & 5 CIS-1,2-DICHLOROETHENE
AUGUST 2002 & MOST RECENT
FORMER MACWHYTE COMPANY FACILITY
KENOSHA, WISCONSIN

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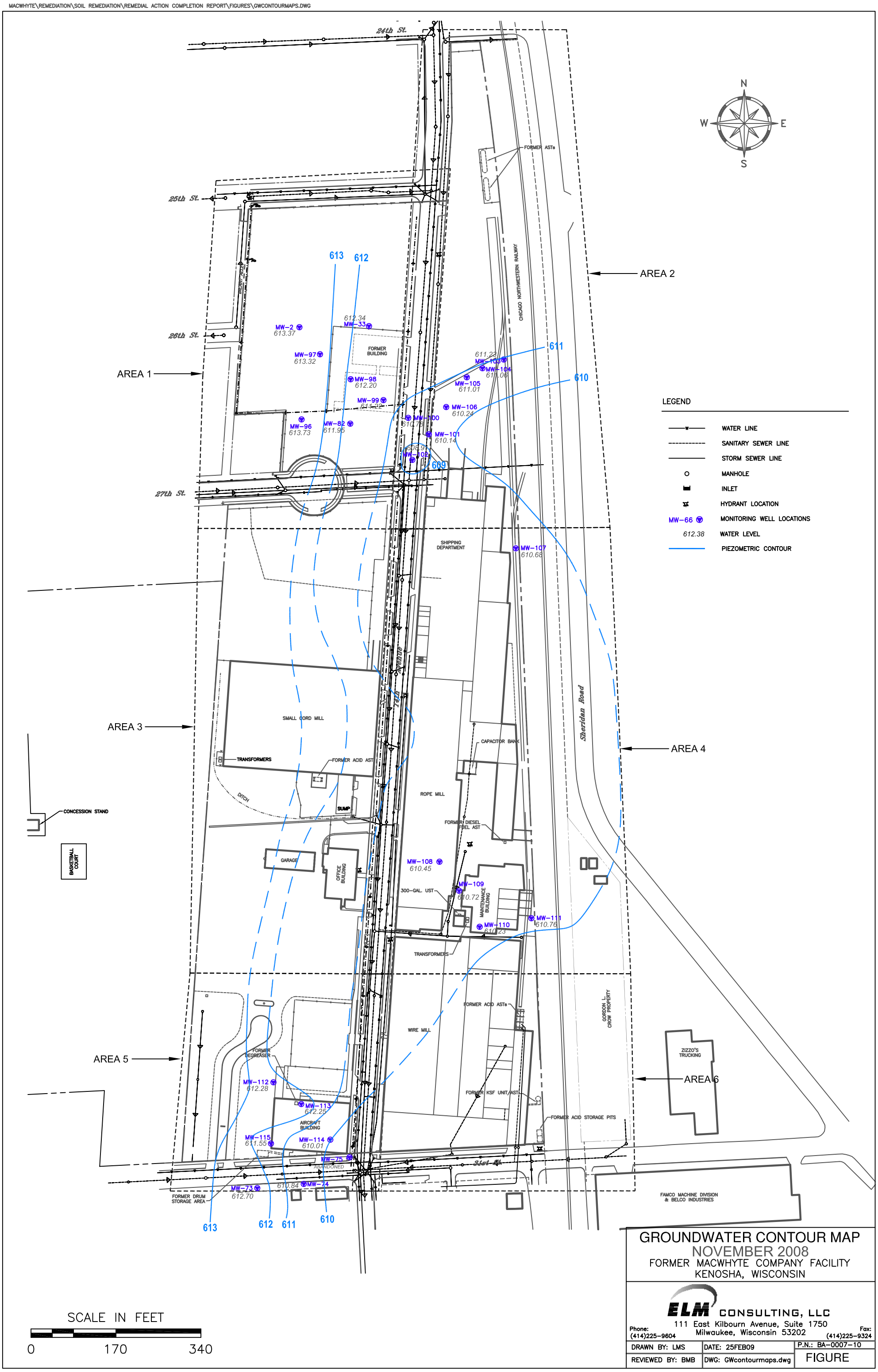
DRAWN BY: LMS	DATE: 10JUN11	P.N.: BA-0007-10
REVIEWED BY: BMB	DWG:	ATTACHMENT E

MACWHYTE\REMEDIATION\SOIL REMEDIATION\REMEDIAL ACTION COMPLETION REPORT\FIGURES\GWCONTOURMAPS.DWG



GROUNDWATER CONTOUR MAP
NOVEMBER 2008
FORMER MACWHYTE COMPANY FACILITY
KENOSHA, WISCONSIN

ELM CONSULTING, LLC
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DRAWN BY: LMS	DATE: 25FEB09	P.N.: BA-0007-10
REVIEWED BY: BMB	DWG: GWcontourmaps.dwg	FIGURE

HYDROGEOLOGIC POTENTIOMETRIC MAP
OCTOBER 2004
FORMER MACWHYTE COMPANY FACILITY
KENOSHA, WISCONSIN

ELM CONSULTING, L.L.C.
330 East Kilbourn Ave., Suite 827
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Phone: (414)225-9604
Fax: (414)225-9324

DRAWN BY: LMS	DATE: 02MAY05	P.N.: BA-0007-02
REVIEWED BY: RAC	POTNTIO-BASE.DWG	FIGURE 4

RAA #1 Confirmatory Soil Sample Results

	FL1	FL2	FL3	FL4	FL5	FL6	FL7	FL8	FL9	FL10	SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8	SW9	SW10
o-Chlorotoluene	<25	**50**	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Tetrachloroethene	**8050**	**637**	**2270**	**222**	<25	**7650**	**2300**	**132000**	**1590**	**3860**	**990**	**102**	<25	<25	**91**	**59**	**21400**	**4310**	**98**	**1480**
Trichloroethene	<25	<25	<25	<25	<25	**50**	<25	**391**	<25	<25	<25	<25	<25	<25	<25	<25	**137**	<25	<25	<25

Notes:
1. All results in µg/kg.
2. Floor samples (FL#) were collected from the base of the remedial excavation at a depth of approximately 2 feet below the post-site restoration ground surface elevation.
3. Sidewall samples (SW#) were collected from the sidewalls of the remedial excavation at a depth of approximately 1 foot below the post-site restoration ground surface elevation.
4. All samples were collected between October 30 and October 31, 2006.
5. Bold numbers indicate detected concentrations.
6. Shading indicates residual soil that exceeds the Site Specific Residual Concentration Level - Direct Contact of 1,300 µg/kg for PCE and TCE.

	RAA-1-I				**RAA-1-II**				**RAA-1-III**			
	SW1	SW2	SW3	SW4	SW1	SW2	SW3	SW4	SW1	SW2	SW3	SW4
1,1,2-Trichloroethane	<22	**4730**	<22	**29**	<22	**2210**	**908**	**3970**	**43**	**4480**	**1390**	<22
1,1-Dichloroethane	**345**	<16	<16	**58**	<16	<16	<16	<16	<16	<16	<16	<16
1,1-Dichloroethene	**45**	<17	<17	<17	<17	<17	<17	<17	<17	<17	<17	<17
1,2,3-Trichlorobenzene	<25	<25	<25	<25	**50**	<25	<25	<25	<25	<25	<25	<25
1,2,4-Trichlorobenzene	<23	<23	<23	<23	**28**	<23	<23	<23	<23	<23	<23	<23
2,2-Dichloropropane	**16**	**16**	**17**	<14	<14	**17**	**43**	<14	<14	<14	<14	**16**
Carbon Tetrachloride	<13	<13	<13	<13	<13	**123**	<13	<13	**113**	<13	**124**	<13
cis-1,2-dichloroethene	**56**	**81**	<14	<14	<14	<14	<14	<14	<14	**40**	<14	**92**
Dibromochloromethane	<20	**67**	<20	<20	<20	**47**	**47**	**58**	<20	**66**	**47**	<20
Hexachlorobutadiene	<21	<21	<21	<21	**60**	<21	<21	<21	<21	<21	<21	<21
Methylene Chloride	**17**	**16**	**17**	**16**	**70**	**45**	**68**	**55**	**54**	**61**	**42**	**31**
Naphthalene	<38	<38	<38	<38	**134**	**46**	<38	<38	<38	<38	<38	<38
n-Butylbenzene	<18	<18	<18	<18	**28**	<18	<18	<18	<18	<18	<18	<18
p-Isopropyltoluene	<16	<16	<16	<16	**26**	<16	<16	<16	<16	<16	<16	<16
sec-Butylbenzene	<17	<17	<17	<17	**42**	<17	**33**	**39**	<17	<17	<17	<17
tert-Butylbenzene	<15	<15	<15	<15	**26**	<15	<15	<15	<15	<15	<15	<15
Tetrachloroethene	**121**	**245000**	**870**	**2250**	**140**	**121000**	**52700**	**204000**	**3100**	**234000**	**78900**	**653**
Trichloroethene	**1680**	**1840**	<17	**179**	<17	**809**	**922**	**207**	<17	**707**	**42**	<17

Notes:
1. RAA-1-I, RAA-1-II and RAA-1-III represent the source area removal excavations located within RAA 1. Source area excavtions extended to depth of 8 feet below the ground surface.
2. All results in µg/kg.
3. Sidewall samples (SW#) were collected from the sidewalls of the remedial excavation at a depth of approximately 4.5 feet below the post-site restoration ground surface elevation.
4. Samples were collected on November 13, 2006 (RAA-1-I) and November 14, 2006 (RAA-1-II and RAA-1-III).
5. Bold numbers indicate detected concentrations.
6. Shading indicates residual soil that exceeds the Site Specific Residual Concentration Level - Direct Contact of 1,300 µg/kg for PCE and TCE.

RAA #3 Confirmatory Soil Sample Results

	Lead
SW1	**410**
SW2	**443**
SW3	**68**
SW4	**4430**
SW5	**29**
SW6	**56**
SW7	**20**
SW8	**65**
SW9	**25**
FL1	**59**
FL2	**39**
FL3	**31**
FL4	**47**
FL5	**4790**
FL6	**80**
FL7	**5.733**
FL8	**48**

Notes:

1. All results in µg/kg.
2. Floor samples (FL#) were collected from the base of the remedial excavation at a depth of approximately 2 feet below the post-site restoration ground surface elevation.
3. Sidewall samples (SW#) were collected from the sidewalls of the remedial excavation at a depth of approximately 1 foot below the post-site restoration ground surface elevation.
4. All samples were collected between October 19 and October 26, 2006.
5. Bold numbers indicate detected concentrations.
6. Shading indicates residual soil that exceeds the Site Specific Residual Concentration Level - Direct Contact of 400 mg/kg.

RAA #4 Confirmatory Soil Sample Results

	Lead
SW1	**6750**
SW2	**87**
SW3	**1830**
SW4	**600**
SW5	**533**
SW6	**374**
SW7	**422**
SW8	<2.873
SW9	**89**
SW10	<3.024
SW11	**9.358**
SW12	<2.997
SW13	**17**
SW14	**43**
FL1	**421**
FL2	**2820**
FL3	**20000**
FL4	**1070**
FL5	**22**
FL6	**7980**
FL7	**1200**
FL8	**72**
FL9	**125**
FL10	**1280**
FL11	<3.216
FL12	**816**
FL13	**1960**
FL14	**130**
FL15	**4.154**
FL16	**35**

Notes:

1. All results in µg/kg.
2. Floor samples (FL#) were collected from the base of the remedial excavation at a depth of approximately 2 feet below the post-site restoration ground surface elevation.
3. Sidewall samples (SW#) were collected from the sidewalls of the remedial excavation at a depth of approximately 1 foot below the post-site restoration ground surface elevation.
4. All samples were collected between October 20 and October 26, 2006.
5. Bold numbers indicate detected concentrations.
6. Shading indicates residual soil that exceeds the Site Specific Residual Concentration Level - Direct Contact of 400 mg/kg.

TABLE 5

RAA #5 Confirmatory Soil Sample Results

	Lead
SW1	<3.2
SW2	**625**
SW3	**6620**
SW4	**7300**
SW5	**440**
SW6	**281**
SW7	<3.07
FL1	**14**
FL2	**16800**
FL3	**1870**
FL4	<2.927
FL5	**11**

Notes:

1. All results in µg/kg.
2. Floor samples (FL#) were collected from the base of the remedial excavation at a depth of approximately 2 feet below the post-site restoration ground surface elevation.
3. Sidewall samples (SW#) were collected from the sidewalls of the remedial excavation at a depth of approximately 1 foot below the post-site restoration ground surface elevation.
4. All samples were collected on October 24, 2006.
5. Bold numbers indicate detected concentrations.
6. Shading indicates residual soil that exceeds the Site Specific Residual Concentration Level - Direct Contact of 400 mg/kg.

RAA #6 Confirmatory Soil Sample Results

	FL1	SW1	SW2	SW3	SW4
cis-1,2-Dichloroethene	**348**	**1780**	**92**	<25	<25
Tetrachloroethene	<25	**86**	**27000**	**508**	<25
Trichloroethene	<25	<25	**715**	**42**	<25

Notes:

1. All results in µg/kg.
2. Floor samples (FL#) were collected from the base of the remedial excavation at a depth of approximately 6 feet below the post-site restoration ground surface elevation.
3. Sidewall samples (SW#) were collected from the sidewalls of the remedial excavation at a depth of approximately 4 feet below the post-site restoration ground surface elevation.
4. All samples were collected on October 24, 2006.
5. Bold numbers indicate detected concentrations.
6. Shading indicates residual soil that exceeds the Site Specific Residual Concentration Level - Direct Contact of 1,300 µg/kg.

RAA #10 Confirmatory Soil Sample Results

	Lead
FL1	**591**
SW1	<2.943
SW2	<3.478
SW3	<3.729
SW4	<3.021

Notes:

1. All results in µg/kg.
2. Floor samples (FL#) were collected from the base of the remedial excavation at a depth of approximately 2 feet below the post-site restoration ground surface elevation.
3. Sidewall samples (SW#) were collected from the sidewalls of the remedial excavation at a depth of approximately 1 foot below the post-site restoration ground surface elevation.
4. All samples were collected on October 25, 2006.
5. Bold numbers indicate detected concentrations.
6. Shading indicates residual soil that exceeds the Site Specific Residual Concentration Level - Direct Contact of 400 mg/kg.

RAA #11 Confirmatory Soil Sample Results

	Lead
FL1	**22**
SW1	**40**
SW2	**11**
SW3	<3.099
SW4	**8.634**

Notes:

1. All results in µg/kg.
2. Floor samples (FL#) were collected from the base of the remedial excavation at a depth of approximately 2 feet below the post-site restoration ground surface elevation.
3. Sidewall samples (SW#) were collected from the sidewalls of the remedial excavation at a depth of approximately 1 foot below the post-site restoration ground surface elevation.
4. All samples were collected on October 25, 2006.
5. Bold numbers indicate detected concentrations.
6. Shading indicates residual soil that exceeds the Site Specific Residual Concentration Level - Direct Contact of 400 mg/kg.

RAA #12 Confirmatory Soil Sample Results

	Lead
FL1	<3.22
SW1	**16**
SW2	**6.471**
SW3	**5.262**

Notes:

1. All results in µg/kg.
2. Floor samples (FL#) were collected from the base of the remedial excavation at a depth of approximately 1 foot below the post-site restoration ground surface elevation.
3. Sidewall samples (SW#) were collected from the sidewalls of the remedial excavation at a depth of approximately 0.5 foot below the post-site restoration ground surface elevation.
4. All samples were collected on October 26, 2006.
5. Bold numbers indicate detected concentrations.
6. Shading indicates residual soil that exceeds the Site Specific Residual Concentration Level - Direct Contact of 400 mg/kg.

	PCE
FL2	**245**
SW4	**336**
SW5	**165**
SW6	<25

Notes:

1. All results in µg/kg.
2. Floor samples (FL#) were collected from the base of the remedial excavation at a depth of approximately 1 f00t below the post-site restoration ground surface elevation.
3. Sidewall samples (SW#) were collected from the sidewalls of the remedial excavation at a depth of approximately 0.5 foot below the post-site restoration ground surface elevation.
4. All samples were collected on October 26, 2006.
5. Bold numbers indicate detected concentrations.
6. Shading indicates residual soil that exceeds the Site Specific Residual Concentration Level - Direct Contact of 1,300 µg/kg.

RAA #15 Confirmatory Soil Sample Results

	FL1	SW1	SW2	SW3	SW4
Benzene	<16	<16	<16	<16	<16
Ethylbenzene	<18	<18	<18	<18	<18
m&p-Xylene	<21	<21	<21	**88**	<21
o-Xylene	<16	<16	<16	<16	<16
Toluene	<17	<17	<17	<17	<17

Notes:

1. All results in µg/kg.
2. Floor samples (FL#) were collected from the base of the remedial excavation at a depth of approximately 7 feet below the post-site restoration ground surface elevation.
3. Sidewall samples (SW#) were collected from the sidewalls of the remedial excavation at a depth of approximately 4 feet below the post-site restoration ground surface elevation.
4. All samples were collected on October 26, 2006.
5. Bold numbers indicates detected concentrations.

RAA #18 Confirmatory Soil Sample Results

	FL1	FL2	FL3	FL4	SW1	SW2	SW3	SW4	SW5	SW6
Benzene	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	**9200**	**37**	<25	<25	<25	<25	<25	<25	<25
Ethylbenzene	<25	**62**	<25	<25	<25	<25	<25	<25	<25	<25
m&p-Xylene	<25	**74**	<25	<25	<25	<25	<25	<25	<25	<25
Tetrachloroethene	**2700**	**228**	**1070**	<25	<25	**373**	<25	<25	**108**	**669**
Toluene	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Trichloroethene	<25	<25	**44**	<25	<25	<25	<25	<25	<25	<25

Notes:

1. All results in µg/kg.
2. Floor samples (FL#) were collected from the base of the remedial excavation at a depth of approximately 6 feet below the post-site restoration ground surface elevation.
3. Sidewall samples (SW#) were collected from the sidewalls of the remedial excavation at a depth of approximately 4 feet below the post-site restoration ground surface elevation.
4. All samples were collected on October 30, 2006.
5. Bold numbers indicate detected concentrations.
6. Shading indicates residual soil that exceeds the Site Specific Residual Concentration Level - Direct Contact of 1,300 µg/kg for PCE and TCE.

RAA #20 Confirmatory Soil Sample Results

	FL1	SW1	SW2	SW3	SW4
1,1,1-Trichloroethane	<25	**185**	<25	<25	<25
Tetracloroethene	**71**	**1940**	**215**	<25	<25
Trichloroethene	**47**	**37**	**29**	<25	<25

Notes:

1. All results in µg/kg.
2. Floor samples (FL#) were collected from the base of the remedial excavation at a depth of approximately 1 f00t below the post-site restoration ground surface elevation.
3. Sidewall samples (SW#) were collected from the sidewalls of the remedial excavation at a depth of approximately 0.5 foot below the post-site restoration ground surface elevation.
4. All samples were collected on October 26, 2006.
5. Bold numbers indicate detected concentrations.
6. Shading indicates residual soil that exceeds the Site Specific Residual Concentration Level - Direct Contact of 1,300 µg/kg for PCE and TCE.

RAA #22 Confirmatory Soil Sample Results

	SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8	FL1	FL2	FL3	FL4	FL5
1,1,2-Trichloroethane	<22	<22	<22	**39**	<22	<22	<22	**128**	<22	**99**	<22	**135**	<22
1,2,3-Trichlorobenzene	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	**74**	<25	<25
1,2,4-Trichlorobenzene	<23	<23	<23	<23	<23	<23	<23	<23	<23	<23	**46**	<23	<23
Carbon Tetrachloride	<13	**114**	<13	<13	**115**	<13	**115**	<13	<13	<13	<13	<13	**115**
cis-1,2-Dichloroethene	<14	**266**	<14	<14	<14	<14	<14	<14	<14	**137**	<14	**79**	<14
Hexachlorobutadiene	<21	<21	<21	<21	<21	<21	<21	<21	<21	<21	**78**	<21	<21
Methylene Chloride	**167**	**44**	**449**	**71**	**43**	**48**	**41**	**101**	**173**	**96**	**67**	**51**	**76**
Tetrachloroethene	**1040**	<15	**715**	**2440**	**126**	**21**	**311**	**7940**	<15	**5670**	**634**	**7250**	**188**
Trichloroethene	**74**	**34**	**37**	**49**	<17	<17	<17	**308**	<17	**425**	**32**	**418**	**41**
Vinyl Chloride	<11	**104**	<11	<11	<11	<11	<11	<11	<11	**25**	<11	<11	<11

Notes:

1. All results in µg/kg.
2. Floor samples (FL#) were collected from the base of the remedial excavation at a depth of approximately 5 feet below the post-site restoration ground surface elevation.
3. Sidewall samples (SW#) were collected from the sidewalls of the remedial excavation at adepth of approximately 3.5 feet below the post-site restoration ground surface elevation.
5. Bold numbers indicate detected concentrations.
6. Shading indicates residual soil that exceeds the Site Specific Residual Concentration Level - Direct Contact of 1,300 µg/kg for PCE and TCE.

RAA #23 Confirmatory Soil Sample Results

	SW1	SW2	SW3	SW4	SW5	FL1	FL2	FL3
1,1,2-Trichloroethane	<22	<22	<22	<22	<22	<22	**99**	<22
Carbon Tetrachloride	<13	**115**	<13	**113**	**115**	<13	<13	**114**
cis-1,2-Dichloroethene	<14	**188**	**1200**	<14	<14	<14	**447**	<14
Methylene Chloride	**63**	**86**	**45**	**130**	**39**	**41**	**106**	**50**
Tetrachloroethene	<15	**155**	<15	<15	**452**	<15	**5400**	<15
Trichloroethene	<17	**122**	**26**	<17	**78**	<17	**2930**	<17
Vinyl Chloride	<11	<11	**130**	<11	<11	<11	<11	<11

Notes:

1. All results in µg/kg.
2. Floor samples (FL#) were collected from the base of the remedial excavation at a depth of approximately 5 feet below the post-site restoration ground surfa
3. Sidewall samples (SW#) were collected from the sidewalls of the remedial excavation at adepth of approximately 6.5 feet below the post-site restoration gr
4. All samples were collected on November 16, 2006.
5. Bold numbers indicate detected concentrations.
6. Shading indicates residual soil that exceeds the Site Specific Residual Concentration Level - Direct Contact of 1,300 µg/kg for PCE and TCE.

MW-2
RAA #2
Groundwater Results
Volatile Organic Compounds

PARAMETERS	PAL	ES	Feb-07	May-07	Aug-07	Nov-07	Feb-08	May-08	Aug-08	Nov-08
1,1,1-Trichloroethane	*40*	**200**	<2	<2	<2	<2	<2	<0.3500	<2	<2
1,1,2,2-Tetrachloroethane	*0.02*	**0.2**	<2	<2	<2	<2	<2	<0.2300	<2	<2
1,1,2-Trichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2
1,1-Dichloroethane	*85*	**850**	<2	<2	<2	<2	<2	<0.3200	<2	<2
1,1-Dichloroethene	*0.7*	**7**	<2	<2	<2	<2	<2	<0.7500	<2	<2
1,2,-Dibromo-3-chloropropane	*0.02*	**0.2**	<2	<2	<1	<2	<1	<1.000	<2	<1
1,2-Dibromoethane	*0.005*	**0.05**	<2	<2	<0.17	<2	<0.17	<0.1700	<2	<0.17
1,2-Dichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2000	<2	<2
1,2-Dichloropropane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2
1-Butanol			<100	<100	<100	<100	<100	<5.080	<100	<100
2-Butanone (MEK)	*90*	**460**	<20	<20	<20	<20	<20	<10.00	<20	<20
2-Chloroethyl vinyl ether			<10	<10	<10	<10	<10	<1.140	<10	<10
2-Hexanone			<20	<20	<20	<20	<20	<1.010	<20	<20
4-Methyl-2-pentanone (MIBK)	*50*	**500**	<20	<20	<20	<20	<20	<2.570	<20	<20
Acetone	*200*	**1000**	<40	<40	<40	<40	<40	<4.280	<40	11 J,B
Acrylonitrile			<20	<20	<20	<20	<20	<3.680	<20	<20
Benzene	*0.5*	**5**	<2	<2	<2	<2	<2	*4.77*	<2	0.21 J,B
Bromodichloromethane	*0.06*	**0.6**	<2	<2	<0.27	<2	<0.27	<0.2700	<2	<0.2
Bromoform	*0.44*	**4.4**	<2	<2	< 0.25	<2	<0.25	<0.2500	<2	< 0.25
Bromomethane	*1*	**10**	<2	<2	<2	*1.5 J,B*	<2	<0.2300	<2	<2
Carbon disulfide	*200*	**1000**	<2	<2	<2	<2	<2	<0.4100	<2	<2
Carbon tetrachloride	*0.5*	**5**	<2	<2	<2	<2	<2	<0.3300	<2	<2
Chlorobenzene	*20*	**100**	<2	<2	<2	<2	<2	<0.1900	<2	<2
Chloroethane	*80*	**400**	<2	<2	<2	<2	<2	<0.5000	<2	<2
Chloroform	*0.6*	**6**	<2	<2	<0.26	<2	<0.26	*4.18*	<2	<0.2
Chloromethane	*0.3*	***3***	*0.89 J*	<2	<2	*0.36 J,B*	<2	<0.2600	*0.36 J*	*0.3 J,B*
cis-1,2-Dichloroethene	*7*	**70**	<2	<2	<2	<2	<2	<0.3800	<2	<2
cis-1,3-Dichloropropene	*0.02*	**0.2**	<0.14	<1	<1	<2	<1	<0.1400	<2	<1
Dibromochloromethane	*6*	**60**	<2	<2	<2	<2	<2	<0.2200	<2	<2
Ethylbenzene	*140*	**700**	<2	<2	<2	0.42 J,B	<2	3.67	0.3 J	<2
Methyl tert-butyl ether	*12*	**60**	<2	<2	<2	<2	<2	<0.2400	<2	<2
Methylene chloride	*0.5*	**5**	<2	<2	*1.8 J,B*	*3.91 B*	*1.3 J*	<0.1980	*1.2 J*	*1 J,B*
Styrene	*10*	**100**	<2	<2	<2	<2	<2	<0.2600	<2	<2
Tetrachloroethene	*0.5*	**5**	<2	<5	<2	*0.96 J,B*	*1.0 J*	*2.15*	<2	<2
Toluene	*200*	**1000**	<2	<2	0.6 J,B	0.47 J,B	<2	2.93	1.2 J	0.55 J,B
trans-1,2-Dichloroethene	*20*	**100**	<2	<2	<2	<2	<2	<0.3100	<2	<2
trans-1,3-Dichloropropene	*0.02*	**0.2**	<0.62	<1	<2	<2	<1	<0.6200	<2	<2
Trichloroethene	*0.5*	**5**	<2	<2	<1	<2	<2	<0.2600	<2	0.25 J,B
Vinyl acetate			<2	<2	<2	<2	<2	<0.2100	<2	<2
Vinyl chloride	*0.02*	**0.2**	<2	<2	<2	<2	<2	<0.0930	<2	<2
Xylenes, Total	*1000*	**10000**	<6	<6	<6	1 JB	<6	9.68	0.77 J	<6
		Total VOCs	0.89	0	2.4	8.62	2.3	27.38	3.83	13.31

Notes:
J - Analyte detected below quantitation limits.
B - Analyte detected in the associated method blank.
NS - Not Sampled
ISCO - In-Situ Chemical Oxidation
ISCO Injection activities occurred between 9/1/2009 and 9/3/2009

MW-33
RAA #2
Groundwater Results
Volatile Organic Compounds

PARAMETERS	PAL	ES	Feb-07	May-07	Aug-07	Nov-07	Feb-08	May-08	Aug-08	Nov-08	Oct-09	Jan-10	May-10	Sep-10
1,1,1-Trichloroethane	*40*	**200**	<2	<2	<2	<2	<2	<0.3500	<2	<2	<2	<2	<2	<2
1,1,2,2-Tetrachloroethane	*0.02*	**0.2**	<2	<2	<2	<2	<2	<0.2300	<2	<2	<2	<2	<2	<2
1,1,2-Trichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2
1,1-Dichloroethane	*85*	**850**	<2	<2	<2	<2	<2	<0.3200	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	*0.7*	**7**	<2	<2	<2	<2	<2	<0.7500	<2	<2	<2	<2	<2	<2
1,2,-Dibromo-3-chloropropane	*0.02*	**0.2**	<2	<2	<1	<2	<1	<1.000	<2	<1	<1	<2	<1	<2
1,2-Dibromoethane	*0.005*	**0.05**	<2	<2	<0.17	<2	<0.17	<0.1700	<2	<0.17	<0.26	<2	<0.26	<2
1,2-Dichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2000	<2	<2	<2	<2	<2	<2
1,2-Dichloropropane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2
1-Butanol			<100	<100	<100	<100	<100	<5.080	<100	<100	<100	<100	<100	<100
2-Butanone (MEK)	*90*	**460**	<20	<20	<20	<20	<20	<10.00	<20	<20	<20	<20	<20	<20
2-Chloroethyl vinyl ether			<10	<10	<10	<10	<10	<1.140	<10	<10	<10	<10	<10	<10
2-Hexane			<20	<20	<20	<20	<20	<1.010	<20	<20	<20	<20	<20	<20
4-Methyl-2-pentanone (MIBK)	*50*	**500**	<20	<20	<20	<20	<20	<2.570	<20	<20	<20	<20	<20	<20
Acetone	*200*	**1000**	<40	<40	14 J,B	<40	<40	<4.280	<40	8.4 J,B	<40	<40	<40	<40
Acrylonitrile			<20	<20	<20	<20	<20	<3.680	<20	<20	<20	<20	<20	<20
Benzene	*0.5*	**5**	<2	<2	<2	<2	<2	*4.85*	<2	<2	<2	<2	<2	<2
Bromodichloromethane	*0.06*	**0.6**	<2	<2	<0.27	<2	<0.27	<0.2700	<2	<0.2	<0.2	<2	<0.2	<2
Bromoform	*0.44*	**4.4**	<2	<2	< 0.25	<2	<0.25	**5.68**	<2	<0.25	<0.67	<2	<0.67	<2
Bromomethane	*1*	**10**	<2	<2	<2	<2	<2	<0.2300	<2	<2	<2	<2	<2	<2
Carbon disulfide	*200*	**1000**	<2	<2	<2	<2	<2	<0.4100	<2	<2	<2	<2	<2	<2
Carbon tetrachloride	*0.5*	**5**	<2	<2	<2	<2	<2	<0.3300	<2	<2	<2	<2	<2	<2
Chlorobenzene	*20*	**100**	<2	<2	<2	<2	<2	<0.1900	<2	<2	<2	<2	<2	<2
Chloroethane	*80*	**400**	<2	<2	<2	<2	<2	<0.5000	<2	<2	<2	<2	<2	<2
Chloroform	*0.6*	**6**	<2	<2	<0.26	<2	<0.26	*4.23*	<2	<0.2	<0.235	<2	0.24 J,B	<2
Chloromethane	*0.3*	**3**	*0.72 J*	<2	<2	*0.33 J,B*	<2	<0.2600	<2	*0.51 J,B*	<2	<2	0.35 J,B	<2
cis-1,2-Dichloroethene	*7*	**70**	<2	<2	<2	<2	<2	<0.3800	<2	<2	<2	<2	<2	<2
cis-1,3-Dichloropropene	*0.02*	**0.2**	<0.14	<1	<1	<2	<1	<0.1400	<2	<1	<1	<2	<1	<2
Dibromochloromethane	*6*	**60**	<2	<2	<2	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2
Ethylbenzene	*140*	**700**	<2	<2	<2	0.39 J,B	<2	<0.1500	0.31 J	<2	<2	<2	<2	<2
Methyl tert-butyl ether	*12*	**60**	<2	<2	<2	<2	<2	<0.2400	<2	<2	<2	<2	<2	<2
Methylene chloride	*0.5*	**5**	<2	<2	*1.5 J,B*	*4.08 B*	*1.4 J*	<0.1980	*1.2 J*	*0.85 J,B*	0.35 J	<2	0.63 J,B	<2
Styrene	*10*	**100**	0.35 J	<2	<2	<2	<2	<0.2600	<2	<2	<2	<2	<2	<2
Tetrachloroethene	*0.5*	**5**	<2	<5	*1.3 J,B*	*1.1 J,B*	*1.7 J*	*2.13*	<2	<2	<2	<2	<2	<2
Toluene	*200*	**1000**	<2	<2	0.57 J,B	0.41 J,B	<2	2.95	1.9 J	0.54 J,B	<2	0.31 JB	2.64 B	<2
trans-1,2-Dichloroethene	*20*	**100**	<2	<2	<2	<2	<2	<0.3100	<2	<2	<2	<2	<2	<2
trans-1,3-Dichloropropene	*0.02*	**0.2**	<0.62	<1	<2	<2	<1	<0.6200	<2	<1	<1	<2	<1	<1
Trichloroethene	*0.5*	**5**	<2	<2	<1	<2	<2	<0.2600	<2	0.35 J,B	<2	<2	<2	<2
Vinyl acetate			<2	<2	<2	<2	<2	<0.2100	<2	<2	<2	<2	<2	<2
Vinyl chloride	*0.02*	**0.2**	<2	<2	<2	<2	<2	<0.0930	<2	<2	<2	<2	<2	<2
Xylenes, Total	*1000*	**10000**	<6	<6	<6	<6	<6	9.76	0.76 J	0.66 J	<6	<6	<6	<6
		Total VOCs	1.07	0	17.37	6.31	3.1	29.6	4.17	11.31	0.35	0.31	3.86	0

Notes:
J - Analyte detected below quantitation limits.
B - Analyte detected in the associated method blank.
NS - Not Sampled
ISCO - In-Situ Chemical Oxidation
ISCO Injection activities occurred between 9/1/2009 and 9/3/2009

MW-73
RAA #22
Groundwater Results
Volatile Organic Compounds

PARAMETERS	PAL	ES	Feb-07	May-07	Aug-07	Nov-07	Feb-08	May-08	Aug-08	Nov-08
1,1,1-Trichloroethane	*40*	**200**	<2	<2	<2	<2	<2	<0.3500	<2	<2
1,1,2,2-Tetrachloroethane	*0.02*	**0.2**	<2	<2	<2	<2	<2	<0.2300	<2	<2
1,1,2-Trichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2
1,1-Dichloroethane	*85*	**850**	<2	<2	<2	<2	<2	<0.3200	<2	<2
1,1-Dichloroethene	*0.7*	**7**	<2	<2	<2	<2	<2	<0.7500	<2	<2
1,2,-Dibromo-3-chloropropane	*0.02*	**0.2**	<2	<2	<1	<2	<1	<1.000	<2	<2
1,2-Dibromoethane	*0.005*	**0.05**	<2	<2	<0.17	<2	<0.17	<0.1700	<2	<0.17
1,2-Dichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2000	<2	<2
1,2-Dichloropropane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2
1-Butanol			<100	<100	<100	<100	<100	<5.080	<100	<100
2-Butanone (MEK)	*90*	**460**	<20	<20	<20	<20	<20	<10.00	<20	<20
2-Chloroethyl vinyl ether			<10	<10	<10	<10	<10	<1.140	<10	<10
2-Hexane			<20	<20	<20	<20	<20	<1.010	<20	<20
4-Methyl-2-pentanone (MIBK)	*50*	**500**	<20	<20	<20	<20	<20	<2.570	<20	<20
Acetone	*200*	**1000**	<40	<40	14 J,B	12 JB	<40	<4.280	<40	<40
Acrylonitrile			<20	<20	<20	<20	<20	<3.680	<20	<20
Benzene	*0.5*	**5**	<2	<2	<2	<2	<2	*4.82*	<2	**11.6**
Bromodichloromethane	*0.06*	**0.6**	<2	<2	<0.27	<2	<0.27	<0.2700	<2	<0.27
Bromoform	*0.44*	**4.4**	<2	<2	< 0.25	<2	<0.25	<0.2500	<2	<0.25
Bromomethane	*1*	**10**	<2	<2	<2	<2	<2	<0.2300	<2	<2
Carbon disulfide	*200*	**1000**	<2	<2	<2	<2	<2	<0.4100	<2	<2
Carbon tetrachloride	*0.5*	**5**	<2	<2	<2	<2	<2	<0.3300	<2	<2
Chlorobenzene	*20*	**100**	<2	<2	<2	<2	<2	<0.1900	<2	0.23 J,B
Chloroethane	*80*	**400**	<2	<2	<2	<2	<2	<0.5000	<2	<2
Chloroform	*0.6*	**6**	<2	<2	<0.26	<2	<0.26	*4.25*	<2	<0.26
Chloromethane	*0.3*	**3**	*0.41 J*	<2	<2	*0.46 JB*	<2	<0.2600	<2	<2
cis-1,2-Dichloroethene	*7*	**70**	<2	<2	<2	<2	<2	<0.3800	<2	<2
cis-1,3-Dichloropropene	*0.02*	**0.2**	<0.14	<1	<1	<1	<1	<0.1400	<2	<1
Dibromochloromethane	*6*	**60**	<2	<2	<2	<2	<2	<0.2200	<2	<2
Ethylbenzene	*140*	**700**	<2	<2	<2	<2	<2	<0.1500	4.43	<2
Methyl tert-butyl ether	*12*	**60**	<2	<2	<2	<2	<2	<0.2400	<2	<2
Methylene chloride	*0.5*	**5**	<2	<2	*1.6 J,B*	<2	*0.65 J*	<0.1980	<2	*0.58 J,B*
Styrene	*10*	**100**	<2	<2	<2	<2	<2	<0.2600	<2	<2
Tetrachloroethene	*0.5*	**5**	<2	<5	<2	0.47 JB	<2	*2.11*	*1.1 J*	*0.68 J,B*
Toluene	*200*	**1000**	<2	<2	0.5 J,B	0.6 JB	<2	2.92	1.6	0.53 J,B
trans-1,2-Dichloroethene	*20*	**100**	<2	<2	<2	<2	<2	<0.3100	<2	<2
trans-1,3-Dichloropropene	*0.02*	**0.2**	<0.62	<1	<2	<1	<1	<0.6200	<2	<1
Trichloroethene	*0.5*	**5**	<2	<2	<1	0.28 JB	<2	<0.2600	<2	<2
Vinyl acetate			<2	<2	<2	<2	<2	<0.2100	<2	<2
Vinyl chloride	*0.02*	**0.2**	<2	<2	<2	<2	<2	<0.0930	<2	<2
Xylenes, Total	*1000*	**10000**	<6	<6	<6	<6	<6	9.67	22.8	<6
		Total VOCs	0.41	0	16.1	13.81	0.65	23.77	29.93	13.62

Notes:
J - Analyte detected below quantitation limits.
B - Analyte detected in the associated method blank.
NS - Not Sampled
ISCO - In-Situ Chemical Oxidation
ISCO Injection activities occurred between 9/1/2009 and 9/3/2009

MW-74
RAA #22
Groundwater Results
Volatile Organic Compounds

PARAMETERS	PAL	ES	Feb-07	May-07	Aug-07	Nov-07	Feb-08	May-08	Aug-08	Nov-08
1,1,1-Trichloroethane	*40*	**200**	<2	<2	<2	<2	<2	<0.3500	<2	<2
1,1,2,2-Tetrachloroethane	*0.02*	**0.2**	<2	<2	<2	<2	<2	<0.2300	<2	<2
1,1,2-Trichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2
1,1-Dichloroethane	*85*	**850**	<2	<2	<2	<2	<2	<0.3200	<2	<2
1,1-Dichloroethene	*0.7*	**7**	<2	<2	<2	<2	<2	<0.7500	<2	<2
1,2,-Dibromo-3-chloropropane	*0.02*	**0.2**	<2	<2	<1	<2	<1	<1.000	<2	<1
1,2-Dibromoethane	*0.005*	**0.05**	<2	<2	<0.17	<2	<0.17	<0.1700	<2	<0.17
1,2-Dichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2000	<2	<2
1,2-Dichloropropane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2
1-Butanol			<100	<100	<100	<100	<100	<5.080	<100	<100
2-Butanone (MEK)	*90*	**460**	<20	<20	<20	<20	<20	<10.00	<20	<20
2-Chloroethyl vinyl ether			<10	<10	<10	<10	<10	<1.140	<10	<10
2-Hexane			<20	<20	<20	<20	<20	<1.010	<20	<20
4-Methyl-2-pentanone (MIBK)	*50*	**500**	<20	<20	<20	<20	<20	<2.570	<20	<20
Acetone	*200*	**1000**	<40	<40	16 J,B	15 J,B	<40	<4.280	<40	<40
Acrylonitrile			<20	<20	<20	<20	<20	<3.680	<20	<20
Benzene	*0.5*	**5**	<2	<2	<2	<2	<2	*4.82*	<2	**5.8**
Bromodichloromethane	*0.06*	**0.6**	<2	<2	<0.27	<2	<0.27	<0.2700	<2	<0.27
Bromoform	*0.44*	**4.4**	<2	<2	< 0.25	<2	<0.25	<0.2500	<2	<0.25
Bromomethane	*1*	**10**	<2	<2	<2	<2	<2	<0.2300	<2	<2
Carbon disulfide	*200*	**1000**	<2	<2	<2	<2	<2	<0.4100	<2	<2
Carbon tetrachloride	*0.5*	**5**	<2	<2	<2	<2	<2	<0.3300	<2	<2
Chlorobenzene	*20*	**100**	<2	<2	<2	<2	<2	<0.1900	<2	<2
Chloroethane	*80*	**400**	<2	<2	<2	<2	<2	<0.5000	<2	<2
Chloroform	*0.6*	**6**	<2	<2	<0.26	<2	<0.26	*4.22*	<2	<0.26
Chloromethane	*0.3*	**3**	*0.61 J*	<2	<2	*0.4 J,B*	0.26 J	<0.2600	<2	<2
cis-1,2-Dichloroethene	*7*	**70**	<2	<2	<2	<2	<2	<0.3800	<2	<2
cis-1,3-Dichloropropene	*0.02*	**0.2**	<0.14	<1	<1	<1	<1	<0.1400	<1	<1
Dibromochloromethane	*6*	**60**	<2	<2	<2	<2	<2	<0.2200	<2	<2
Ethylbenzene	*140*	**700**	<2	<2	<2	<2	<2	<0.1500	0.54 J	<2
Methyl tert-butyl ether	*12*	**60**	<2	<2	<2	<2	<2	<0.2400	<2	<2
Methylene chloride	*0.5*	**5**	<2	<2	*2.22* B	<2	*0.62 J*	<0.1980	0.22 J	*0.66 J,B*
Styrene	*10*	**100**	<2	<2	<2	<2	<2	<0.2600	<2	<2
Tetrachloroethene	*0.5*	**5**	<2	<5	<2	*0.6 J,B*	<2	*2.05*	*1.2 J*	*0.7 J,B*
Toluene	*200*	**1000**	<2	<2	0.75 J,B	0.59 J,B	<2	2.91	0.44 J	*0.48 J,B*
trans-1,2-Dichloroethene	*20*	**100**	<2	<2	<2	<2	<2	<0.3100	<2	<2
trans-1,3-Dichloropropene	*0.02*	**0.2**	<0.62	<1	<2	<1	<1	<0.6200	<1	<1
Trichloroethene	*0.5*	**5**	<2	<2	<1	0.3 J,B	<2	<0.2600	<2	<2
Vinyl acetate			<2	<2	<2	<2	<2	<0.2100	<2	<2
Vinyl chloride	*0.02*	**0.2**	<2	<2	<2	<2	<2	<0.0930	<2	<2
Xylenes, Total	*1000*	**10000**	<6	<6	<6	<6	<6	9.65	2.4 J	<6
		Total VOCs	0.61	0	18.97	16.89	0.88	23.65	4.8	7.64

Notes:
J - Analyte detected below quantitation limits.
B - Analyte detected in the associated method blank.
NS - Not Sampled
ISCO - In-Situ Chemical Oxidation
ISCO Injection activities occurred between 9/1/2009 and 9/3/2009

MW-75
RAA #24
Groundwater Results
Volatile Oranic Compounds

PARAMETERS	PAL	ES	Feb-07	May-07	Aug-07	Nov-07	Feb-08	May-08	Aug-08	Nov-08
1,1,1-Trichloroethane	*40*	**200**	<2	<2	<2	NS	NS	NS	NS	
1,1,2,2-Tetrachloroethane	*0.02*	**0.2**	<2	<2	<2	NS	NS	NS	NS	
1,1,2-Trichloroethane	*0.5*	**5**	<2	<2	<2	NS	NS	NS	NS	
1,1-Dichloroethane	*85*	**850**	<2	<2	<2	NS	NS	NS	NS	
1,1-Dichloroethene	*0.7*	**7**	<2	<2	<2	NS	NS	NS	NS	
1,2,-Dibromo-3-chloropropane	*0.02*	**0.2**	<2	<2	<1	NS	NS	NS	NS	
1,2-Dibromoethane	*0.005*	**0.05**	<2	<2	<0.17	NS	NS	NS	NS	
1,2-Dichloroethane	*0.5*	**5**	<2	<2	<2	NS	NS	NS	NS	
1,2-Dichloropropane	*0.5*	**5**	<2	<2	<2	NS	NS	NS	NS	
1-Butanol			<100	<100	<100	NS	NS	NS	NS	
2-Butanone (MEK)	*90*	**460**	<20	<20	<20	NS	NS	NS	NS	
2-Chloroethyl vinyl ether			<10	<10	<10	NS	NS	NS	NS	
2-Hexane			<20	<20	<20	NS	NS	NS	NS	
4-Methyl-2-pentanone (MIBK)	*50*	**500**	<20	<20	<20	NS	NS	NS	NS	
Acetone	*200*	**1000**	<40	<40	14 J,B	NS	NS	NS	NS	
Acrylonitrile			<20	<20	<20	NS	NS	NS	NS	
Benzene	*0.5*	**5**	<2	<2	<2	NS	NS	NS	NS	
Bromodichloromethane	*0.06*	**0.6**	<2	<2	<0.27	NS	NS	NS	NS	
Bromoform	*0.44*	**4.4**	<2	<2	< 0.25	NS	NS	NS	NS	
Bromomethane	*1*	**10**	<2	<2	<2	NS	NS	NS	NS	
Carbon disulfide	*200*	**1000**	<2	<2	<2	NS	NS	NS	NS	
Carbon tetrachloride	*0.5*	**5**	<2	<2	<2	NS	NS	NS	NS	
Chlorobenzene	*20*	**100**	<2	<2	<2	NS	NS	NS	NS	
Chloroethane	*80*	**400**	<2	<2	<2	NS	NS	NS	NS	
Chloroform	*0.6*	**6**	<2	<2	<0.26	NS	NS	NS	NS	
Chloromethane	*0.3*	**3**	*0.41 J*	<2	<2	NS	NS	NS	NS	
cis-1,2-Dichloroethene	*7*	**70**	1 J	0.9 J	<2	NS	NS	NS	NS	
cis-1,3-Dichloropropene	*0.02*	**0.2**	<0.14	<1	<1	NS	NS	NS	NS	
Dibromochloromethane	*6*	**60**	<2	<2	<2	NS	NS	NS	NS	
Ethylbenzene	*140*	**700**	<2	<2	<2	NS	NS	NS	NS	
Methyl tert-butyl ether	*12*	**60**	<2	<2	<2	NS	NS	NS	NS	
Methylene chloride	*0.5*	**5**	<2	<2	*1.7 J,B*	NS	NS	NS	NS	
Styrene	*10*	**100**	0.81 J	<2	<2	NS	NS	NS	NS	
Tetrachloroethene	*0.5*	**5**	<2	*1.2 J*	*1.7 J,B*	NS	NS	NS	NS	
Toluene	*200*	**1000**	<2	<2	0.53	NS	NS	NS	NS	
trans-1,2-Dichloroethene	*20*	**100**	<2	<2	<2	NS	NS	NS	NS	
trans-1,3-Dichloropropene	*0.02*	**0.2**	<0.62	<1	<2	NS	NS	NS	NS	
Trichloroethene	*0.5*	**5**	*0.5 J*	0.45 J	*0.51 J*	NS	NS	NS	NS	
Vinyl acetate			<2	<2	<2	NS	NS	NS	NS	
Vinyl chloride	*0.02*	**0.2**	<2	<2	<2	NS	NS	NS	NS	
Xylenes, Total	*1000*	**10000**	<6	<6	<6	NS	NS	NS	NS	
		Total VOCs	2.72	2.55	18.44	NS	NS	NS	NS	

Notes:
J - Analyte detected below quantitation limits.
B - Analyte detected in the associated method blank.
NS - Not Sampled
ISCO - In-Situ Chemical Oxidation
ISCO Injection activities occurred between 9/1/2009 and 9/3/2009

MW-82
RAA #2
Groundwater Results
Volatile Organic Compounds

PARAMETERS	PAL	ES	Feb-07	May-07	Aug-07	Nov-07	Feb-08	May-08	Aug-08	Nov-08	Oct-09	Jan-10	May-10	Sep-10
1,1,1-Trichloroethane	*40*	**200**	<2	<2	<2	<2	<2	<0.3500	<2	<2	<2	<2	<2	<2
1,1,2,2-Tetrachloroethane	*0.02*	**0.2**	<2	<2	<2	<2	<2	<0.2300	<2	<2	<2	<2	<2	<2
1,1,2-Trichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2
1,1-Dichloroethane	*85*	**850**	<2	<2	<2	<2	<2	<0.3200	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	*0.7*	**7**	<2	<2	<2	<2	<2	<0.7500	<2	<2	<2	<2	<2	<2
1,2,-Dibromo-3-chloropropane	*0.02*	**0.2**	<2	<2	<1	<2	<1	<1.000	<2	<1	<1	<2	<2	<2
1,2-Dibromoethane	*0.005*	**0.05**	<2	<2	<0.17	<2	<0.17	<0.1700	<2	<0.17	<0.26	<2	<0.26	<2
1,2-Dichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2000	<2	<2	<2	<2	<2	<2
1,2-Dichloropropane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2
1-Butanol			<100	<100	<100	<100	<100	<5.080	<100	<100	<100	<100	<100	<100
2-Butanone (MEK)	*90*	**460**	<20	<20	<20	<20	<20	<10.00	<20	<20	<20	<20	<20	<20
2-Chloroethyl vinyl ether			<10	<10	<10	<10	<10	<1.140	<10	<10	<10	<10	<10	<10
2-Hexane			<20	<20	<20	<20	<20	<1.010	<20	<20	<20	<20	<20	<20
4-Methyl-2-pentanone (MIBK)	*50*	**500**	<20	<20	<20	<20	<20	<2.570	<20	<20	<20	<20	<20	<20
Acetone	*200*	**1000**	<40	<40	13 J,B	6.8 J,B	<40	<4.280	<40	13 J,B	<40	<40	<40	<40
Acrylonitrile			<20	<20	<20	<20	<20	<3.680	<20	<20	<20	<20	<20	<20
Benzene	*0.5*	**5**	<2	<2	<2	<2	<2	*4.84*	<2	0.23 J,B	<2	<2	<2	<2
Bromodichloromethane	*0.06*	**0.6**	<2	<2	<0.27	<2	<0.27	<0.2700	<2	<0.2	<0.2	<2	<0.2	<2
Bromoform	*0.44*	**4.4**	<2	<2	< 0.25	<2	<0.25	<0.2500	<2	<0.25	<0.67	<2	<0.67	<2
Bromomethane	*1*	**10**	<2	<2	<2	<2	<2	<0.2300	<2	<2	<2	<2	<2	<2
Carbon disulfide	*200*	**1000**	<2	<2	<2	<2	<2	1.89	<2	0.51 J,B	<2	<2	<2	<2
Carbon tetrachloride	*0.5*	**5**	<2	<2	<2	<2	<2	<0.3300	<2	<2	<2	<2	<2	<2
Chlorobenzene	*20*	**100**	<2	<2	<2	<2	<2	<0.1900	<2	<2	<2	<2	<2	<2
Chloroethane	*80*	**400**	<2	<2	<2	<2	<2	<0.5000	<2	<2	<2	<2	<2	<2
Chloroform	*0.6*	**6**	<2	<2	<0.26	<2	<0.26	*4.24*	<2	<0.2	<0.235	<2	0.25 J,B	<2
Chloromethane	*0.3*	**3**	*0.32 J*	<2	<2	<2	<2	<0.2600	<2	0.4 J,B	<2	<2	0.59 J,B	<2
cis-1,2-Dichloroethene	*7*	**70**	<2	<2	<2	<2	<2	<0.3800	<2	<2	<2	<2	<2	<2
cis-1,3-Dichloropropene	*0.02*	**0.2**	<0.14	<1	<1	<1	<1	<0.1400	<1	<1	<1	<1	<1	<1
Dibromochloromethane	*6*	**60**	<2	<2	<2	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2
Ethylbenzene	*140*	**700**	<2	<2	<2	<2	<2	<0.1500	0.3 J	<2	<2	<2	<2	<2
Methyl tert-butyl ether	*12*	**60**	<2	<2	<2	<2	<2	<0.2400	0.54 J	<2	<2	<2	<2	<2
Methylene chloride	*0.5*	**5**	<2	<2	*1.8 J,B*	<2	*1.4 J*	<0.1980	<2	*0.77 J,B*	<2	<2	0.97 J,B	<2
Styrene	*10*	**100**	<2	<2	<2	<2	<2	<0.2600	<2	<2	<2	<2	<2	<2
Tetrachloroethene	*0.5*	**5**	<2	<5	*2.3 B*	*3.92 B*	*4.15*	*3.73*	**7.44**	*4.58*	**5.15**	*2.44 B*	*2.29*	*4.51*
Toluene	*200*	**1000**	<2	<2	0.51 J,B	0.22 J,B	<2	2.91	0.31 J	0.59 J,B	0.33 J	0.28 J,B	3.93 B	<2
trans-1,2-Dichloroethene	*20*	**100**	<2	<2	<2	<2	<2	<0.3100	<2	<2	<2	<2	<2	<2
trans-1,3-Dichloropropene	*0.02*	**0.2**	<0.62	<1	<2	<2	<1	<0.6200	<1	<1	<1	<2	<1	<1
Trichloroethene	*0.5*	**5**	<2	<2	<2	0.36 J,B	<2	<0.2600	<2	0.48 J,B	0.35 J	<2	<2	<2
Vinyl acetate			<2	<2	<2	<2	<2	<0.2100	<2	<2	<2	<2	<2	<2
Vinyl chloride	*0.02*	**0.2**	<2	<2	<2	<2	<2	<0.0930	<2	<2	<2	<2	<2	<2
Xylenes, Total	*1000*	**10000**	<6	<6	<6	<6	<6	<6.000	0.78 J	0.79 J	<6	<6	<6	<6
		Total VOCs	0.32	0	17.61	11.3	5.55	17.61	9.37	21.35	5.83	2.72	8.03	4.51

Notes:
J - Analyte detected below quantitation limits.
B - Analyte detected in the associated method blank.
NS - Not Sampled
ISCO - In-Situ Chemical Oxidation
ISCO Injection activities occurred between 9/1/2009 and 9/3/2009

MW-96
RAA #2
Groundwater Results
Volatile Organic Compounds

PARAMETERS	PAL	ES	Feb-07	May-07	Aug-07	Nov-07	Feb-08	May-08	Aug-08	Nov-08
1,1,1-Trichloroethane	*40*	**200**	<2	<2	<2	<2	<2	<0.3500	<2	<2
1,1,2,2-Tetrachloroethane	*0.02*	**0.2**	<2	<2	<2	<2	<2	<0.2300	<2	<2
1,1,2-Trichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2
1,1-Dichloroethane	*85*	**850**	<2	<2	<2	<2	<2	<0.3200	<2	<2
1,1-Dichloroethene	*0.7*	**7**	<2	<2	<2	<2	<2	<0.7500	<2	<2
1,2,-Dibromo-3-chloropropane	*0.02*	**0.2**	<2	<2	<1	<2	<1	<1.000	<2	<1
1,2-Dibromoethane	*0.005*	**0.05**	<2	<2	<0.17	<2	<0.17	<0.1700	<2	<0.17
1,2-Dichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2000	<2	<2
1,2-Dichloropropane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2
1-Butanol			<100	<100	<100	<100	<100	<5.080	<100	<100
2-Butanone (MEK)	*90*	**460**	<20	<20	<20	<20	<20	<10.00	<20	<20
2-Chloroethyl vinyl ether			<10	<10	<10	<10	<10	<1.140	<10	<10
2-Hexane			<20	<20	<20	<20	<20	<1.010	<20	<20
4-Methyl-2-pentanone (MIBK)	*50*	**500**	<20	<20	<20	<20	<20	<2.570	<20	<20
Acetone	*200*	**1000**	<40	<40	12 J,B	6.9 J,B	<40	<4.280	<40	13 J,B
Acrylonitrile			<20	<20	<20	<20	<20	<3.680	<20	<20
Benzene	*0.5*	**5**	<2	<2	<2	<2	<2	*4.87*	<2	<2
Bromodichloromethane	*0.06*	**0.6**	<2	<2	<0.27	<2	<0.27	<0.2700	<2	<0.2
Bromoform	*0.44*	**4.4**	<2	<2	< 0.25	<2	<0.25	<0.2500	<2	<0.25
Bromomethane	*1*	**10**	<2	<2	<2	<2	<2	<0.2300	<2	<2
Carbon disulfide	*200*	**1000**	<2	<2	<2	<2	<2	1.62	<2	<2
Carbon tetrachloride	*0.5*	**5**	<2	<2	<2	<2	<2	<0.3300	<2	<2
Chlorobenzene	*20*	**100**	<2	<2	<2	<2	<2	<0.1900	<2	<2
Chloroethane	*80*	**400**	<2	<2	<2	<2	<2	<0.5000	<2	<2
Chloroform	*0.6*	**6**	<2	<2	<0.26	<2	<0.26	*4.21*	<2	<0.2
Chloromethane	*0.3*	**3**	<2	<2	<2	*0.34 J,B*	<2	<0.2600	<2	*0.46 J,B*
cis-1,2-Dichloroethene	*7*	**70**	<2	<2	<2	<2	<2	<0.3800	<2	<2
cis-1,3-Dichloropropene	*0.02*	**0.2**	<0.14	<1	<1	<2	<1	<0.1400	<1	<1
Dibromochloromethane	*6*	**60**	<2	<2	<2	<2	<2	<0.2200	<2	<2
Ethylbenzene	*140*	**700**	<2	<2	<2	<2	<2	<0.1500	0.28 J	<2
Methyl tert-butyl ether	*12*	**60**	<2	<2	<2	<2	<2	<0.2400	<2	<2
Methylene chloride	*0.5*	**5**	<2	<2	*1.7 J,B*	<2	*1.4 J*	<0.1980	<2	*0.73 J,B*
Styrene	*10*	**100**	<2	<2	<2	<2	<2	<0.2600	<2	<2
Tetrachloroethene	*0.5*	**5**	<2	<5	<2	*0.8 J,B*	*1.6 J*	<0.4400	*1.2 J*	<2
Toluene	*200*	**1000**	<2	0.27 J	0.52 J,B	<2	<2	2.96	0.28 J	<2
trans-1,2-Dichloroethene	*20*	**100**	<2	<2	<2	<2	<2	<0.3100	<2	0.58 J,B
trans-1,3-Dichloropropene	*0.02*	**0.2**	<0.62	<1	<2	<2	<1	<0.6200	<1	<1
Trichloroethene	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2600	<2	<2
Vinyl acetate			<2	<2	<2	<2	<2	<0.2100	<2	<2
Vinyl chloride	*0.02*	**0.2**	<2	<2	<2	<2	<2	<0.0930	<2	<2
Xylenes, Total	*1000*	**10000**	<6	<6	<6	<6	<6	3.5	0.44 J	0.79 J
		Total VOCs	0	0.27	14.22	8.04	3	17.16	2.2	15.56

Notes:
J - Analyte detected below quantitation limits.
B - Analyte detected in the associated method blank.
NS - Not Sampled
ISCO - In-Situ Chemical Oxidation
ISCO Injection activities occurred between 9/1/2009 and 9/3/2009

MW-97
RAA #2
Groundwater Results
Volatile Organic Compounds

PARAMETERS	PAL	ES	Feb-07	May-07	Aug-07	Nov-07	Feb-08	May-08	Aug-08	Nov-08	Oct-09	Jan-10	May-10	Sep-10
1,1,1-Trichloroethane	*40*	**200**	<2	<2	<2	<2	<2	**4.52**	<2	<2	<2	<2	<2	<2
1,1,2,2-Tetrachloroethane	*0.02*	**0.2**	<2	<2	<2	<2	<2	<0.2300	<2	<2	<2	<2	<2	<2
1,1,2-Trichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2
1,1-Dichloroethane	*85*	**850**	<2	<2	<2	<2	<2	<0.3200	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	*0.7*	**7**	<2	<2	<2	<2	<2	<0.7500	<2	<2	<2	<2	<2	<2
1,2,-Dibromo-3-chloropropane	*0.02*	**0.2**	<2	<2	<1	<2	<1	<1.000	<2	<1	<1	<2	<1	<2
1,2-Dibromoethane	*0.005*	**0.05**	<2	<2	<0.17	<2	<0.17	<0.1700	<2	<0.17	<0.26	<2	<0.26	<2
1,2-Dichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2000	<2	<2	<2	<2	<2	<2
1,2-Dichloropropane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2
1-Butanol			<100	<100	<100	<100	<100	<5.080	<100	<100	<100	<100	<100	<100
2-Butanone (MEK)	*90*	**460**	<20	<20	<20	<20	<20	<10.00	<20	<20	<20	<20	<20	<20
2-Chloroethyl vinyl ether			<10	<10	<10	<10	<10	<1.140	<10	<10	<10	<10	<10	<10
2-Hexane			<20	<20	<20	<20	<20	<1.010	<20	<20	<20	<20	<20	<20
4-Methyl-2-pentanone (MIBK)	*50*	**500**	<20	<20	<20	<20	<20	<2.570	<20	<20	<20	<20	<20	<20
Acetone	*200*	**1000**	<40	<40	13 J,B	4.3 J,B	<40	<4.280	<40	<40	<40	<40	<40	<40
Acrylonitrile			<20	<20	<20	<20	<20	<3.680	<20	<20	<20	<20	<20	<20
Benzene	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2400	<2	<2	<2	<2	<2	<2
Bromodichloromethane	*0.06*	**0.6**	<2	<2	<0.27	<2	<0.27	<0.2700	<2	<0.2	<0.2	<2	<0.2	<2
Bromoform	*0.44*	**4.4**	<2	<2	< 0.25	<2	<0.25	<0.2500	<2	<0.25	<0.67	<2	<0.67	<2
Bromomethane	*1*	**10**	<2	<2	<2	<2	<2	<0.2300	<2	<2	<2	<2	<2	<2
Carbon disulfide	*200*	**1000**	<2	<2	<2	<2	<2	1.58	<2	<2	<2	<2	<2	<2
Carbon tetrachloride	*0.5*	**5**	<2	<2	<2	<2	<2	<0.3300	<2	<2	<2	<2	<2	<2
Chlorobenzene	*20*	**100**	<2	<2	<2	<2	<2	<0.1900	<2	<2	<2	<2	<2	<2
Chloroethane	*80*	**400**	<2	<2	<2	<2	<2	<0.5000	<2	<2	<2	<2	<2	<2
Chloroform	*0.6*	**6**	<2	<2	<0.26	<2	<0.26	<0.2600	<2	<0.2	<0.235	<2	0.28 J,B	<2
Chloromethane	*0.3*	**3**	*0.33 J*	<2	<2	*0.52 J,B*	<2	<0.2600	<2	0.33 J,B	<2	<2	<2	<2
cis-1,2-Dichloroethene	*7*	**70**	<2	<2	<2	<2	<2	<0.3800	<2	<2	<2	<2	<2	<2
cis-1,3-Dichloropropene	*0.02*	**0.2**	<0.14	<1	<1	<2	<1	<0.1400	<2	<1	<1	<2	<1	<2
Dibromochloromethane	*6*	**60**	<2	<2	<2	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2
Ethylbenzene	*140*	**700**	<2	<2	<2	<2	<2	<0.1500	0.3 J	<2	<2	<2	<2	<2
Methyl tert-butyl ether	*12*	**60**	<2	<2	<2	<2	<2	<0.2400	<2	<2	<2	<2	<2	<2
Methylene chloride	*0.5*	**5**	<2	<2	<2	<2	*1.3 J*	<0.1980	<2	*0.71 J,B*	*0.54 J*	<2	*0.56 J,B*	<2
Styrene	*10*	**100**	**1 J**	<2	<2	<2	<2	<0.2600	<2	<2	<2	<2	<2	<2
Tetrachloroethene	*0.5*	**5**	<2	<5	<2	*0.86 J,B*	*1.7 J*	<0.4400	<5	<2	*2.03*	<2	<2	<2
Toluene	*200*	**1000**	<2	0.76 J	0.46 J,B	<2	0.2 J	2.99	*1 J*	0.47 J,B	0.36 J	0.37 J,B	1.5 J,B	<2
trans-1,2-Dichloroethene	*20*	**100**	<2	<2	<2	<2	<2	<0.3100	0.34 J	<2	<2	<2	<2	<2
trans-1,3-Dichloropropene	*0.02*	**0.2**	<0.62	<1	<2	<2	<1	<0.6200	<2	<1	<1	<1	<1	<1
Trichloroethene	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2600	<2	0.27 J,B	<2	<2	<2	<2
Vinyl acetate			<2	<2	<2	<2	<2	<0.2100	<2	<2	<2	<2	<2	<2
Vinyl chloride	*0.02*	**0.2**	<2	<2	<2	<2	<2	<0.0930	<2	<2	<2	<2	<2	<2
Xylenes, Total	*1000*	**10000**	<6	<6	<6	<6	<6	<6.000	0.9 J	<6	<6	<6	<6	<6
		Total VOCs	1.33	0.76	13.46	5.68	3.2	9.09	2.54	1.78	2.93	0.37	2.34	0

Notes:
J - Analyte detected below quantitation limits.
B - Analyte detected in the associated method blank.
NS - Not Sampled
ISCO - In-Situ Chemical Oxidation
ISCO Injection activities occurred between 9/1/2009 and 9/3/2009

MW-98
RAA #2
Groundwater Results
Volatile Organic Compounds

PARAMETERS	PAL	ES	Feb-07	May-07	Aug-07	Nov-07	Feb-08	May-08	Aug-08	Nov-08	Oct-09	Jan-10	May-10	Sep-10
1,1,1-Trichloroethane	*40*	**200**	<2	<2	<2	<2	<2	<0.3500	<2	<2	<2	<2	<2	<2
1,1,2,2-Tetrachloroethane	*0.02*	**0.2**	<2	<2	<2	<2	<2	<0.2300	<2	<2	<2	<2	<2	<2
1,1,2-Trichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2
1,1-Dichloroethane	*85*	**850**	<2	<2	<2	<2	<2	<0.3200	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	*0.7*	**7**	<2	<2	<2	<2	<2	<0.7500	<2	<2	<2	<2	<2	<2
1,2,-Dibromo-3-chloropropane	*0.02*	**0.2**	<2	<2	<1	<2	<1	<1.000	<2	<1	<1	<2	<1	<2
1,2-Dibromoethane	*0.005*	**0.05**	<2	<2	<0.17	<2	<0.17	<0.1700	<2	<0.17	<0.26	<2	<0.26	<2
1,2-Dichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2000	<2	<2	<2	<2	<2	<2
1,2-Dichloropropane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2
1-Butanol			<100	<100	<100	<100	<100	<5.080	<100	<100	<100	<100	<100	<100
2-Butanone (MEK)	*90*	**460**	<20	<20	<20	<20	<20	<10.00	<20	<20	33.1	*251*	*204*	*90.8*
2-Chloroethyl vinyl ether			<10	<10	<10	<10	<10	<1.140	<10	<10	<10	<10	<10	<10
2-Hexane			<20	<20	<20	<20	<20	<1.010	<20	<20	3.5 J	15 J	11 J	4.2 J
4-Methyl-2-pentanone (MIBK)	*50*	**500**	<20	<20	<20	<20	<20	<2.570	<20	<20	<20	<20	**6.5 J**	<20
Acetone	*200*	**1000**	<40	<40	15 J,B	<20	<40	<4.280	<40	<40	*365*	**2240**	**1650**	**1840**
Acrylonitrile			<20	<20	<20	<20	<20	<3.680	<20	<20	<20	<20	<20	<20
Benzene	*0.5*	**5**	<2	<2	<2	<2	<2	*4.85*	<2	<2	<2	<2	0.22 J	<2
Bromodichloromethane	*0.06*	**0.6**	<2	<2	<0.27	<2	<0.27	<0.2700	<2	<0.2	<0.2	<2	<0.2	<2
Bromoform	*0.44*	**4.4**	<2	<2	< 0.25	<2	<0.25	<0.2500	<2	<0.25	<0.67	<2	<0.67	<2
Bromomethane	*1*	**10**	<2	<2	<2	<2	<2	<0.2300	<2	<2	<2	<2	<2	<2
Carbon disulfide	*200*	**1000**	<2	<2	<2	<2	<2	<0.4100	0.76 J	<2	1.6 J	<2	15.1	7.18
Carbon tetrachloride	*0.5*	**5**	<2	<2	<2	<2	<2	<0.3300	<2	<2	<2	<2	<2	<2
Chlorobenzene	*20*	**100**	<2	<2	<2	<2	<2	<0.1900	<2	<2	<2	<2	<2	<2
Chloroethane	*80*	**400**	<2	<2	<2	<2	<2	<0.5000	<2	<2	<2	<2	<2	<2
Chloroform	*0.6*	**6**	<2	<2	<0.26	<2	<0.26	<0.2600	<2	<0.2	<0.235	<2	0.3 J,B	<2
Chloromethane	*0.3*	**3**	*1 J*	<2	<2	*0.3 J,B*	<2	<0.2600	<2	*0.45 J,B*	<2	<2	<2	<2
cis-1,2-Dichloroethene	*7*	**70**	1.3 J	<2	1.8 J	<2	1.3 J	4.17	0.89 J	<2	<2	<2	<2	<2
cis-1,3-Dichloropropene	*0.02*	**0.2**	<0.14	<1	<1	<2	<1	<0.1400	<2	<1	<1	<2	<1	<2
Dibromochloromethane	*6*	**60**	<2	<2	<2	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2
Ethylbenzene	*140*	**700**	<2	<2	<2	0.37 J,B	<2	<0.1500	0.32 J	<2	<2	<2	<2	<2
Methyl tert-butyl ether	*12*	**60**	<2	<2	<2	<2	<2	<0.2400	<2	<2	<2	<2	<2	<2
Methylene chloride	*0.5*	**5**	<2	<2	*1.6 J,B*	*3.55 B*	*1.2 J*	<0.1980	<2	*0.71 J,B*	0.4 J	<2	0.74 J,B	<2
Styrene	*10*	**100**	<2	<2	<2	<2	<2	<0.2600	<2	<2	<2	<2	<2	<2
Tetrachloroethene	*0.5*	**5**	**5.5**	**19.5**	**24.5 B**	*3.57 B*	**32.7**	**22.8**	**7.33**	**6.46**	*1.6 J*	*1.9 J,B*	*2.08 B*	**5.45**
Toluene	*200*	**1000**	<2	0.32 J	0.65 J,B	0.42 J,B	0.2 J	2.92	0.39 J	0.58 J,B	0.41 J	0.31 J,B	1.7 J,B	<2
trans-1,2-Dichloroethene	*20*	**100**	<2	<2	<2	<2	<2	<0.3100	<2	<2	<2	<2	<2	<2
trans-1,3-Dichloropropene	*0.02*	**0.2**	<0.62	<1	<2	<2	<1	<0.6200	<2	<1	<1	<2	<1	<2
Trichloroethene	*0.5*	**5**	<2	<2	<2	<2	0.27 J	**5.70**	0.29 J	0.45 J,B	0.41 J,B	<2	<2	0.45 J
Vinyl acetate			<2	<2	<2	<2	<2	<0.2100	<2	<2	<2	<2	<2	<2
Vinyl chloride	*0.02*	**0.2**	<2	<2	<2	<2	<2	<0.0930	<2	<2	<2	<2	<2	<2
Xylenes, Total	*1000*	**10000**	<6	<6	<6	<6	<6	<6.000	0.88 J	<6	<6	<6	<6	<6
		Total VOCs	7.8	19.82	43.55	8.21	35.67	40.44	10.86	8.65	406.02	2508.21	1891.64	1948.08

Notes:
J - Analyte detected below quantitation limits.
B - Analyte detected in the associated method blank.
NS - Not Sampled
ISCO - In-Situ Chemical Oxidation
ISCO Injection activities occurred between 9/1/2009 and 9/3/2009

MW-99
RAA #2
Groundwater Results
Volatile Organic Compounds

PARAMETERS	PAL	ES	Feb-07		May-07		Aug-07		Nov-07		Feb-08		May-08		Aug-08		Nov-08		Oct-09		Jan-10		May-10		Sep-10	
1,1,1-Trichloroethane	*40*	**200**	<2		<2		<20		<2		<2		<0.3500		**0.66**	**J**	**0.89**	**J**	<2		<2		<2		<2	
1,1,2,2-Tetrachloroethane	*0.02*	**0.2**	<2		<2		<20		<2		<2		<0.2300		<2		<2		<2		<2		<2		<2	
1,1,2-Trichloroethane	*0.5*	**5**	<2		<2		<5		<2		<2		<0.2200		<2		<2		<2		<2		<2		<2	
1,1-Dichloroethane	*85*	**850**	<2		<2		<20		<2		<2		<0.3200		<2		<2		<2		<2		<2		<2	
1,1-Dichloroethene	*0.7*	**7**	<2		<2		<7.5		<2		<2		<0.7500		<2		<2		<2		<2		<2		<2	
1,2,-Dibromo-3-chloropropane	*0.02*	**0.2**	<2		<2		<10		<2		<1		<1.000		<2		<1		<1		<2		<1		<1	
1,2-Dibromoethane	*0.005*	**0.05**	<2		<2		<1.7		<2		<0.17		<0.1700		<2		<0.17		<0.26		<2		<0.26		<2	
1,2-Dichloroethane	*0.5*	**5**	<2		<2		<5		<2		<2		<0.2000		<2		<2		<2		<2		<2		<2	
1,2-Dichloropropane	*0.5*	**5**	<2		<2		<5		<2		<2		<0.2200		<2		<2		<2		<2		<2		<2	
1-Butanol			<100		<100		<700		<100		<100		<5.080		<100		<100		<100		<100		<100		<100	
2-Butanone (MEK)	*90*	**460**	<20		<20		<200		<20		<20		<10.00		<20		<20		*117*		<20		<20		<20	
2-Chloroethyl vinyl ether			<10		<10		<100		<10		<10		<1.140		<10		<10		<10		<10		<10		<10	
2-Hexane			<20		<20		<200		<20		<20		<1.010		<20		<20		7.8	J	<20		<20		<20	
4-Methyl-2-pentanone (MIBK)	*50*	**500**	<20		<20		<200		<20		<20		<2.570		<20		<20		5.8	J	<20		<20		<20	
Acetone	*200*	**1000**	<40		<40		<400		<40		<40		<4.280		<40		<40		*763*		13	J	14	J,B	<40	
Acrylonitrile			<20		<20		<200		<20		<20		<3.680		<20		<20		<20		<20		<20		<20	
Benzene	*0.5*	**5**	<2		<2		<5		0.25	J,B	<2		*4.80*		<2		0.21	J,B	<2		<2		<2		<2	
Bromodichloromethane	*0.06*	**0.6**	<2		<2		<2.7		<2		<0.27		<0.2700		<2		<0.2		<0.2		<2		<0.2		<0.2	
Bromoform	*0.44*	**4.4**	<2		<2		<2.5		<2		<0.25		<0.2500		<2		<0.25		<0.67		<2		<0.67		<0.67	
Bromomethane	*1*	**10**	<2		<2		<9.8		<2		<2		<0.2300		<2		<2		<2		<2		<2		<2	
Carbon disulfide	*200*	**1000**	<2		<2		<20		<2		<2		<0.4100		0.5	J	<2		<2		<2		<2		<2	
Carbon tetrachloride	*0.5*	**5**	<2		<2		<5		<2		<2		<0.3300		<2		<2		<2		<2		<2		<2	
Chlorobenzene	*20*	**100**	<2		<2		<20		<2		<2		<0.1900		<2		0.26	J,B	<2		<2		<2		<2	
Chloroethane	*80*	**400**	<2		<2		<20		<2		<2		<0.5000		<2		<2		<2		<2		<2		<2	
Chloroform	*0.6*	**6**	<2		0.26	J	<2.6		<2		<0.26		4.23		0.28	J	0.41		0.44		<2		0.32	J,B	<2	
Chloromethane	*0.3*	**3**	***1.4***	***J***	0.27	J	<20		0.33	J,B	<2		<0.2600		<2		0.3	J,B	<2		<2		<2		<2	
cis-1,2-Dichloroethene	*7*	**70**	1	J	0.97	J	*15*	*J*	1.2	J	0.81	J	<0.3800		4.99		3.74		<2		1.7	J	5.89		*16.1*	
cis-1,3-Dichloropropene	*0.02*	**0.2**	<0.14		<1		<1.4		<2		<1		<0.1400		<2		<1		<1		<2		<1		<1	
Dibromochloromethane	*6*	**60**	<2		<2		<20		<2		<2		<0.2200		<2		<2		<2		<2		<2		<2	
Ethylbenzene	*140*	**700**	<2		<2		<20		2.17	J	<2		<0.1500		0.3	J	<2		<2		<2		<2		<2	
Methyl tert-butyl ether	*12*	**60**	<2		<2		<20		<2		<2		<0.2400		<2		<2		<2		<2		<2		<2	
Methylene chloride	*0.5*	**5**	<2		<2		**17**	**B**	<2		*1.4*	*J*	<0.1980		<2		*0.77*	*J,B*	*0.55*	*J*	<2		*0.69*	*J,B*	*0.52*	*J*
Styrene	*10*	**100**	<2		<2		<20		<2		<2		<0.2600		<2		<2		<2		<2		<2		<2	
Tetrachloroethene	*0.5*	**5**	**135**		**194**		**3510**		**935**		**173**		**139**		**3310**		**2100**		**105**		**210**		**170**		**119**	
Toluene	*200*	**1000**	<2		0.3	J	7.8	J,B	0.45	J,B	0.22	J	2.89		0.38	J	0.53	J,B	0.48	J	0.33	JB	0.67	J,B	0.67	J,B
trans-1,2-Dichloroethene	*20*	**100**	<2		<2		<20		<10		<2		<0.3100		<2		<2		<2		<2		<2		<2	
trans-1,3-Dichloropropene	*0.02*	**0.2**	<0.62		<1		<6.2		<2		<1		<0.6200		<2		<1		<1		<2		<1		<1	
Trichloroethene	*0.5*	**5**	**2.22**		4.01		**16**		**9.8**	**J**	*2.56*		**8.53**		**36.5**		**35.6**		*1.1*	*J*	*1.9*	*J*	**8.72**		**29.7**	
Vinyl acetate			<2		<2		<20		<2		<2		<0.2100		<2		<2		<2		<2		<2		<2	
Vinyl chloride	*0.02*	**0.2**	<2		<2		**3.1**		<2		<2		<0.0930		<2		<2		<2		<2		<2		<2	
Xylenes, Total	*1000*	**10000**	<6		<6		<60		<6		<6		<6.000		0.74	J	<6		<6		<6		<6		<6	
		Total VOCs	139.62		199.81		3568.9		949.2		177.99		159.45		3354.35		2142.71		1001.17		226.93		200.29		165.99	

Notes:
J - Analyte detected below quantitation limits.
B - Analyte detected in the associated method blank.
NS - Not Sampled
ISCO - In-Situ Chemical Oxidation
ISCO Injection activities occurred between 9/1/2009 and 9/3/2009

MW-100
RAA #2
Groundwater Results
Volatile Organic Compounds

PARAMETERS	PAL	ES	Feb-07	May-07	Aug-07	Nov-07	Feb-08	May-08	Aug-08	Nov-08	Oct-09	Jan-10	May-10	Sep-10
1,1,1-Trichloroethane	40	**200**	<2	0.41 J	<20	0.58 J	<2	5.03	0.87 J	0.64 J	<2	<2	<2	<10
1,1,2,2-Tetrachloroethane	0.02	**0.2**	<2	<2	<20	<2	<2	<0.2300	<2	<2	<2	<2	<2	<10
1,1,2-Trichloroethane	0.5	**5**	<2	<2	<5	<2	<2	<0.2200	**30.9**	<2	<2	<2	<2	<10
1,1-Dichloroethane	85	**850**	<2	0.56 J	<20	<2	<2	<0.3200	1.1 J	0.71 J	0.84 J	0.42 J	<2	<10
1,1-Dichloroethene	0.7	**7**	<2	<2	<7.5	<2	0.95 J	<0.7500	1.5 J	1.3 J	0.76 J	<2	<2	<10
1,2,-Dibromo-3-chloropropane	0.02	**0.2**	<2	<2	<10	<2	<1	<1.000	**5.35**	<1	<1	<2	<1	<10
1,2-Dibromoethane	0.005	**0.05**	<2	<2	<1.7	<2	<0.17	<0.1700	<2	<0.17	<0.26	<2	<0.26	<10
1,2-Dichloroethane	0.5	**5**	<2	<2	<5	<2	1.9 J	<0.2000	0.97 J	<2	<2	<2	<2	<10
1,2-Dichloropropane	0.5	**5**	<2	<2	<5	<2	<2	<0.2200	<2	<2	<2	<2	<2	<10
1-Butanol			<100	<100	<700	<100	94 J	<5.080	93 J	<100	<100	<100	<100	<500
2-Butanone (MEK)	90	**460**	<20	<20	<200	<20	<20	<10.00	<20	<20	15 J	14 J	15 J	<100
2-Chloroethyl vinyl ether			<10	<10	<100	<10	<10	<1.140	<10	<10	<10	<10	<10	<50
2-Hexanone			<20	<20	<200	<20	<20	<1.010	5.5 J	<20	<20	<20	<20	<100
4-Methyl-2-pentanone (MIBK)	50	**500**	<20	<20	<200	<20	<20	<2.570	4.7 J	<20	<20	<20	<20	<100
Acetone	200	**1000**	<40	<40	270 J,B	<40	<40	<4.280	<40	8.7 J,B	102 J	112	120 B	<200
Acrylonitrile			<20	<20	<200	<20	<20	<3.680	<20	<20	<20	<20	<20	<100
Benzene	0.5	**5**	<2	<2	<5	<2	<2	4.83	<2	<2	<2	<2	<2	<10
Bromodichloromethane	0.06	**0.6**	<2	<2	<2.7	<2	<0.27	<0.2700	<2	<0.2	<0.2	<2	<0.2	<10
Bromoform	0.44	**4.4**	<2	<2	<2.5	<2	<0.25	<0.2500	3.51	<0.25	<0.67	<2	<0.67	<10
Bromomethane	1	**10**	<2	<2	<9.8	<2	<2	<0.2300	<2	<2	<2	<2	<2	<10
Carbon disulfide	200	**1000**	<2	<2	<20	<2	<2	<0.4100	<2	<2	<2	<2	<2	<10
Carbon tetrachloride	0.5	**5**	<2	<2	<5	<2	<2	<0.3300	4.09	<2	<2	<2	<2	<10
Chlorobenzene	20	**100**	0.28 J	<2	<20	0.36 J,B	<2	4.33	0.83 J	0.55 J,B	0.7 J	<2	<2	<10
Chloroethane	80	**400**	<2	<2	<20	<2	<2	<0.5000	<2	<2	<2	<2	<2	<10
Chloroform	0.6	**6**	<2	0.26 J	<2.6	0.34 J	<0.26	4.39	0.5 J	0.48	0.34	<2	0.37 J,B	2.1 J,B
Chloromethane	0.3	**3**	<2	<2	<20	0.35 J,B	<2	<0.2600	<2	0.34 J,B	<2	<2	0.34 J,B	<10
cis-1,2-Dichloroethene	7	**70**	<2	<2	<20	<10	<2	<0.3800	0.75 J	0.63 J	0.66 J	0.44 J	1.1 J	4.9 J
cis-1,3-Dichloropropene	0.02	**0.2**	<0.14	<1	<1.4	<2	<1	<0.1400	<2	<1	<1	<2	<1	<10
Dibromochloromethane	6	**60**	<2	<2	<20	<2	<2	<0.2200	<2	<2	<2	<2	<2	<10
Ethylbenzene	140	**700**	<2	<2	5.3	0.4 J,B	<2	<0.1500	<2	<2	<2	<2	<2	<10
Methyl tert-butyl ether	12	**60**	<2	<2	<40	<2	<2	<0.2400	<2	<2	<2	<2	<2	<10
Methylene chloride	0.5	**5**	<2	<2	<20	<2	**13.1**	<0.1980	<2	0.8 J,B	<2	<2	0.82 J,B	<10
Styrene	10	**100**	<2	<2	<20	<2	<2	<0.2600	<2	<2	<2	<2	<2	<10
Tetrachloroethene	0.5	**5**	**1720**	**1380**	**1770**	**935**	1.5 J	**2140 D**	**3400**	**2000 J**	**1660**	**896**	**1110**	**2050**
Toluene	200	**1000**	<2	<2	8.6	0.45 J,B	<2	3.01	0.31 J	0.48 J,B	0.38 J	0.35 JB	0.77 J,B	7.7 JB
trans-1,2-Dichloroethene	20	**100**	<2	<2	<20	<10	<2	<0.3100	<2	<2	<2	<2	<2	<10
trans-1,3-Dichloropropene	0.02	**0.2**	<0.62	<1	<6.2	<2	<1	<0.6200	<2	<1	<1	<2	<1	<10
Trichloroethene	0.5	**5**	**7.91**	**11.9**	**12**	**9.8 J**	<2	**17.60**	**28.6**	**17.4**	**14.9**	**12.8**	**15.8**	**49.3**
Vinyl acetate			<2	<2	<20	<2	<2	<0.2100	1.8 J	<2	<2	<2	<2	<10
Vinyl chloride	0.02	**0.2**	<2	<2	<2	<2	<2	<0.0930	<2	<2	<2	<2	<2	<10
Xylenes, Total	1000	**10000**	<6	<6	<60	<6	<6	<6.000	<6	0.68 J	<6	<6	<6	<30
		Total VOCs	1728.19	1393.13	2065.9	947.28	111.45	2179.19	3584.28	2032.71	1795.58	1036.01	1264.2	2114

Notes:
J - Analyte detected below quantitation limits.
B - Analyte detected in the associated method blank.
NS - Not Sampled
ISCO - In-Situ Chemical Oxidation
ISCO Injection activities occurred between 9/1/2009 and 9/3/2009

MW-101
RAA #2
Groundwater Results
Volatile Organic Compounds

PARAMETERS	PAL	ES	Feb-07	May-07	Aug-07	Nov-07	Feb-08	May-08	Aug-08	Nov-08	Oct-09	Jan-10	May-10	Sep-10
1,1,1-Trichloroethane	*40*	**200**	<2	<2	<2	<2	<2	<0.3500	<2	<2	<2	<2	<2	<2
1,1,2,2-Tetrachloroethane	*0.02*	**0.2**	<2	<2	<2	<2	<2	<0.2300	<2	<2	<2	<2	<2	<2
1,1,2-Trichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2
1,1-Dichloroethane	*85*	**850**	<2	<2	<2	<2	<2	<0.3200	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	*0.7*	**7**	<2	<2	<2	<2	<2	<0.7500	<2	<2	<2	<2	<2	<2
1,2,-Dibromo-3-chloropropane	*0.02*	**0.2**	<2	<2	<1	<2	<1	<1.000	<2	<1	<1	<2	<1	<2
1,2-Dibromoethane	*0.005*	**0.05**	<2	<2	<0.17	<2	<0.17	<0.1700	<2	<0.17	<0.26	<2	<0.26	<2
1,2-Dichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2000	<2	<2	<2	<2	<2	<2
1,2-Dichloropropane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2
1-Butanol			<100	<100	<100	<100	<100	<5.080	<100	<100	<100	<100	<100	<100
2-Butanone (MEK)	*90*	**460**	<20	<20	<20	<20	<20	<10.00	<20	<20	<20	<20	<20	<20
2-Chloroethyl vinyl ether			<10	<10	<10	<10	<10	<1.140	<10	<10	<10	<10	<10	<10
2-Hexane			<20	<20	<20	<20	<20	<1.010	<20	<20	<20	<20	<20	<20
4-Methyl-2-pentanone (MIBK)	*50*	**500**	<20	<20	<20	<20	<20	<2.570	<20	<20	<20	<20	<20	<20
Acetone	*200*	**1000**	<40	<40	14 J,B	6.3 J,B	<40	<4.280	<40	<40	<40	<40	10 J,B	<40
Acrylonitrile			<20	<20	<20	<20	<20	<3.680	<20	<20	<20	<20	<20	<20
Benzene	*0.5*	**5**	<2	<2	<2	<2	<2	*4.80*	<2	0.22 J,B	<2	<2	<2	<2
Bromodichloromethane	*0.06*	**0.6**	<2	<2	<0.27	<2	<0.27	<0.2700	<2	<0.2	<0.2	<2	<0.2	<2
Bromoform	*0.44*	**4.4**	<2	<2	< 0.25	<2	<0.25	<0.2500	<2	<0.25	<0.67	<2	<0.67	<2
Bromomethane	*1*	**10**	<2	<2	<2	<2	<2	<0.2300	<2	0.6 J	<2	<2	<2	<2
Carbon disulfide	*200*	**1000**	<2	<2	<2	<2	<2	1.53	<2	<2	<2	<2	<2	<2
Carbon tetrachloride	*0.5*	**5**	<2	<2	<2	<2	<2	<0.3300	<2	<2	<2	<2	<2	<2
Chlorobenzene	*20*	**100**	<2	<2	<2	<2	<2	<0.1900	<2	0.23 J,B	<2	<2	<2	<2
Chloroethane	*80*	**400**	<2	<2	<2	<2	<2	<0.5000	<2	<2	<2	<2	<2	<2
Chloroform	*0.6*	**6**	<2	<2	<0.26	<2	<0.26	<0.2600	<2	<0.2	<0.235	<2	0.29 J	<2
Chloromethane	*0.3*	**3**	<2	<2	<2	*0.35 J,B*	<2	<0.2600	<2	*0.3 J,B*	<2	<2	<2	<2
cis-1,2-Dichloroethene	*7*	**70**	<2	<2	<2	<2	<2	<0.3800	<2	<2	<2	<2	<2	<2
cis-1,3-Dichloropropene	*0.02*	**0.2**	<0.14	<1	<1	<2	<1	<0.1400	<2	<1	<1	<2	<1	<2
Dibromochloromethane	*6*	**60**	<2	<2	<2	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2
Ethylbenzene	*140*	**700**	<2	<2	<2	<2	<2	<0.1500	<2	0.29 J	<2	<2	<2	<2
Methyl tert-butyl ether	*12*	**60**	<2	<2	<2	<2	<2	<0.2400	<2	<2	<2	<2	<2	<2
Methylene chloride	*0.5*	**5**	<2	<2	1.7 J,B	<2	**13.1**	<0.1980	<2	<2	<2	<2	*1 J,B*	0.34 J
Styrene	*10*	**100**	<2	<2	<2	<2	<2	<0.2600	<2	<2	<2	<2	<2	<2
Tetrachloroethene	*0.5*	**5**	<2	1.1 J	<2	<2	*1.5 J*	*2.59*	*0.87 J*	<2	*0.56 J*	<2	<2	<2
Toluene	*200*	**1000**	<2	<2	0.42 J,B	<2	<2	2.92	0.35 J	0.59 J,B	0.68 J	0.24 J,B	2.03 B	<2
trans-1,2-Dichloroethene	*20*	**100**	<2	<2	<2	<2	<2	<0.3100	<2	<2	<2	<2	<2	<2
trans-1,3-Dichloropropene	*0.02*	**0.2**	<0.62	<1	<2	<2	<1	<0.6200	<2	<1	<1	<2	<1	<2
Trichloroethene	*0.5*	**5**	<2	<2	<1	<2	<2	<0.2600	<2	<2	<2	<2	<2	<2
Vinyl acetate			<2	<2	<2	<2	<2	<0.2100	<2	0.32 J,B	<2	<2	<2	<2
Vinyl chloride	*0.02*	**0.2**	<2	<2	<2	<2	<2	<0.0930	<2	<2	<2	<2	<2	<2
Xylenes, Total	*1000*	**10000**	<6	<6	<6	<6	<6	<6.000	<6	2.5 J,B	<6	<6	<6	<6
		Total VOCs	0	1.1	16.12	6.65	14.6	11.84	1.22	5.05	1.24	0.24	13.32	0.34

Notes:
J - Analyte detected below quantitation limits.
B - Analyte detected in the associated method blank.
NS - Not Sampled
ISCO - In-Situ Chemical Oxidation
ISCO Injection activities occurred between 9/1/2009 and 9/3/2009

MW-102
RAA #2
Groundwater Results
Volatile Organic Compounds

PARAMETERS	PAL	ES	Feb-07	May-07	Aug-07	Nov-07	Feb-08	May-08	Aug-08	Nov-08	Oct-09	Jan-10	May-10	Sep-10
1,1,1-Trichloroethane	*40*	**200**	<2	<2	<2	<2	<2	<0.3500	NS	<2	<2	<2	<2	<2
1,1,2,2-Tetrachloroethane	*0.02*	**0.2**	<2	<2	<2	<2	<2	<0.2300	NS	<2	<2	<2	<2	<2
1,1,2-Trichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	NS	<2	<2	<2	<2	<2
1,1-Dichloroethane	*85*	**850**	<2	<2	<2	<2	<2	<0.3200	NS	<2	<2	<2	<2	<2
1,1-Dichloroethene	*0.7*	**7**	<2	<2	<2	<2	<2	<0.7500	NS	<2	<2	<2	<2	<2
1,2,-Dibromo-3-chloropropane	*0.02*	**0.2**	<2	<2	<1	<2	<1	<1.000	NS	<1	<1	<2	<1	<2
1,2-Dibromoethane	*0.005*	**0.05**	<2	<2	<0.17	<2	<0.17	<0.1700	NS	<0.17	<0.26	<2	<0.26	<2
1,2-Dichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2000	NS	<2	<2	<2	<2	<2
1,2-Dichloropropane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	NS	<2	<2	<2	<2	<2
1-Butanol			<100	<100	<100	<100	<100	<5.080	NS	<100	<100	<100	<100	<100
2-Butanone (MEK)	*90*	**460**	<20	<20	<20	<20	<20	<10.00	NS	<20	<20	<20	<20	<20
2-Chloroethyl vinyl ether			<10	<10	<10	<10	<10	<1.140	NS	<10	<10	<10	<10	<10
2-Hexane			<20	<20	<20	<20	<20	<1.010	NS	<20	<20	<20	<20	<20
4-Methyl-2-pentanone (MIBK)	*50*	**500**	<20	<20	<20	<20	<20	<2.570	NS	<20	<20	<20	<20	<20
Acetone	*200*	**1000**	<40	<40	15 J,B	8 J,B	<40	<4.280	NS	<40	<40	9.4 J	12 J	<40
Acrylonitrile			<20	<20	<20	<20	<20	<3.680	NS	<20	<20	<20	<20	<20
Benzene	*0.5*	**5**	<2	<2	<2	<2	<2	*4.80*	NS	0.21 J,B	<2	<2	<2	<2
Bromodichloromethane	*0.06*	**0.6**	<2	<2	<0.27	<2	<0.27	<0.2700	NS	<0.2	<0.2	<2	<0.2	<2
Bromoform	*0.44*	**4.4**	<2	<2	<0.25	<2	<0.25	<0.2500	NS	<0.25	<0.67	<2	<0.67	<2
Bromomethane	*1*	**10**	<2	<2	<2	*2.04 B*	<2	<0.2300	NS	0.45 J	<2	<2	<2	<2
Carbon disulfide	*200*	**1000**	<2	<2	<2	<2	<2	<0.4100	NS	<2	<2	<2	<2	<2
Carbon tetrachloride	*0.5*	**5**	<2	<2	<2	<2	<2	<0.3300	NS	<2	<2	<2	<2	<2
Chlorobenzene	*20*	**100**	<2	<2	<2	<2	<2	<0.1900	NS	0.3 J,B	<2	<2	<2	<2
Chloroethane	*80*	**400**	<2	<2	<2	<2	<2	<0.5000	NS	<2	<2	<2	<2	<2
Chloroform	*0.6*	**6**	<2	<2	<0.26	<2	<0.26	*4.24*	NS	<0.2	<0.235	<2	0.24 J	<2
Chloromethane	*0.3*	**3**	<2	<2	<2	*0.44 J,B*	<2	<0.2600	NS	<2	<2	<2	*0.46 J,B*	<2
cis-1,2-Dichloroethene	*7*	**70**	<2	<2	<2	<2	<2	<0.3800	NS	<2	<2	<2	<2	<2
cis-1,3-Dichloropropene	*0.02*	**0.2**	<0.14	<1	<1	<2	<1	<0.1400	NS	<1	<1	<2	<1	<2
Dibromochloromethane	*6*	**60**	<2	<2	<2	<2	<2	<0.2200	NS	<2	<2	<2	<2	<2
Ethylbenzene	*140*	**700**	<2	<2	<2	<2	<2	<0.1500	NS	0.2 J	<2	<2	<2	<2
Methyl tert-butyl ether	*12*	**60**	<2	<2	<2	<2	<2	<0.2400	NS	<2	<2	<2	<2	<2
Methylene chloride	*0.5*	**5**	<2	<2	*1.6 J,B*	<2	**12.8**	<0.1980	NS	<2	0.32 J	<2	*1 J,B*	<2
Styrene	*10*	**100**	<2	<2	<2	<2	<2	<0.2600	NS	<2	<2	<2	<2	<2
Tetrachloroethene	*0.5*	**5**	<2	<5	<2	*0.78 J,B*	*1.6 J*	<0.4400	NS	<2	<2	<2	<2	<2
Toluene	*200*	**1000**	<2	1.1 J	0.41 J,B	0.22 J,B	<2	3.04	NS	0.65 J,B	0.43 J	0.31 J,B	1.2 J,B	<2
trans-1,2-Dichloroethene	*20*	**100**	<2	<2	<2	<2	<2	<0.3100	NS	<2	<2	<2	<2	<2
trans-1,3-Dichloropropene	*0.02*	**0.2**	<0.62	<1	<1	<2	<1	<0.6200	NS	<1	<1	<2	<1	<2
Trichloroethene	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2600	NS	<2	<2	<2	<2	<2
Vinyl acetate			<2	<2	<2	<2	<2	<0.2100	NS	<2	<2	<2	<2	<2
Vinyl chloride	*0.02*	**0.2**	<2	<2	<2	<2	<2	<0.0930	NS	<2	<2	<2	<2	<2
Xylenes, Total	*1000*	**10000**	<6	0.59 J	<6	<6	<6	9.75	NS	2.9 J,B	<6	<6	<6	<6
		Total VOCs	0	1.69	17.01	11.48	14.4	21.83	**NS**	4.71	0.75	9.71	14.9	0

Notes:
J - Analyte detected below quantitation limits.
B - Analyte detected in the associated method blank.
NS - Not Sampled
ISCO - In-Situ Chemical Oxidation
ISCO Injection activities occurred between 9/1/2009 and 9/3/2009

MW-103
RAA #7
Groundwater Results
Volatile Organic Compounds

PARAMETERS	PAL	ES	Feb-07	May-07	Aug-07	Nov-07	Feb-08	May-08	Aug-08	Nov-08	Oct-09	Jan-10	May-10	Sep-10	Dec-10	Apr-11
1,1,1-Trichloroethane	40	200	<10	<10	<20	<2	<2	<0.3500	<2	<2	<2	<2	<2	<2	<2	<20
1,1,2,2-Tetrachloroethane	0.02	0.2	<10	<10	<20	<2	<2	<0.2300	<2	<2	<2	<2	<2	<2	<2	<20
1,1,2-Trichloroethane	0.5	5	<1.1	<5	<5	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2	<2	<20
1,1-Dichloroethane	85	850	<10	<10	<20	<2	<2	<0.3200	<2	<2	<2	<2	<2	<2	<2	<20
1,1-Dichloroethene	0.7	7	<3.75	<7	<7.5	<2	2.03	<0.7500	1.2 J	2.39	1.4 J	<2	0.92 J	1.4	<2	<20
1,2,-Dibromo-3-chloropropane	0.02	0.2	<10	<10	<10	<2	<1	<1.000	<2	<1	<1	<2	<1	<2	<2	<20
1,2-Dibromoethane	0.005	0.05	<10	<10	<1.7	<2	<0.17	<0.1700	<2	<0.17	<0.26	<2	<0.26	<2	<2	<20
1,2-Dichloroethane	0.5	5	<1	<5	<5	<2	<2	<0.2000	<2	<2	<2	<2	<2	<2	<2	<20
1,2-Dichloropropane	0.5	5	<1.1	<5	<5	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2	<2	<20
1-Butanol			<500	<500	<700	<100	<100	<5.080	<100	<100	<100	<100	<100	<100	<100	<1000
2-Butanone (MEK)	90	460	<100	<100	<200	<20	<20	<10.00	<20	<20	<20	<20	<20	<20	<20	<200
2-Chloroethyl vinyl ether			<50	<50	<100	<10	<10	<1.140	<10	<10	<10	<10	<10	<10	<10	<100
2-Hexane			<100	<100	<200	<20	<20	<1.010	<20	<20	<20	<20	<20	<20	<20	<20
4-Methyl-2-pentanone (MIBK)	50	500	<100	<100	<200	<20	<20	<2.570	<20	<20	<20	<20	<20	<20	<20	<200
Acetone	200	1000	<200	<200	320 J,B	6 J,B	28 J	5.39	<40	7.6 J,B	<40	<40	17 J,B	<40	<40	<400
Acrylonitrile			<100	<100	<200	<20	<20	<3.680	<20	<20	<20	<20	<20	<20	<20	<200
Benzene	0.5	5	<1.2	<5	2.9 J	0.31 J,B	0.27 J	4.93	<2	0.42 J,B	0.24 J	<2	0.21 J	<2	<2	<20
Bromodichloromethane	0.06	0.6	<10	<10	<2.7	<2	<0.27	<0.2700	<2	<0.27	<0.2	<2	<0.2	<2	<2	<20
Bromoform	0.44	4.4	<10	<10	<2.5	<2	<0.25	<0.2500	<2	<0.2	<0.67	<2	<0.67	<2	<2	<20
Bromomethane	1	10	<1.15	<9.8	<9.8	<2	<2	<0.2300	<2	<2	<2	<2	<2	<2	<2	<62.1
Carbon disulfide	200	1000	<10	<10	<20	<2	<2	<0.4100	<2	<2	<2	<2	<2	<2	<2	<20
Carbon tetrachloride	0.5	5	<1.65	<5	<5	<2	<2	<0.3300	<2	<2	<2	<2	<2	<2	<2	<20
Chlorobenzene	20	100	<10	<10	<20	<2	<2	<0.1900	<2	<2	<2	<2	<2	<2	<2	<20
Chloroethane	80	400	<10	<10	<20	<2	<2	<0.5000	<2	<2	<2	<2	<2	<2	<2	<200
Chloroform	0.6	6	<10	<10	<2.6	<2	<0.26	4.32	<2	0.27	<0.235	<2	0.34 J,B	<2	0.24 J,B	<32.7
Chloromethane	0.3	3	<10	<10	4.5 J	<2	1.5 J	2.28	<2	0.57 J,B	<2	0.43 J	0.42 J,B	0.43 J	<2	<2
cis-1,2-Dichloroethene	7	70	605	407	1280	424	787	461	594	584	497	87.4	214	532	41.7	239
cis-1,3-Dichloropropene	0.02	0.2	<0.7	<1	<1.4	<2	<1	<0.1400	<2	<1	<1	<2	<1	<2	<2	<20
Dibromochloromethane	6	60	<10	<10	<20	<2	<1	<0.2200	<2	<2	<2	<2	<2	<2	<2	<20
Ethylbenzene	140	700	<10	1.3 J	4.9 J,B	0.41 J,B	<2	<0.1500	0.22 J	<2	<2	<2	<2	<2	<2	<20
Methyl tert-butyl ether	12	60	<10	<10	<20	<2	<4	<0.2400	<2	<4	<2	<2	<2	<2	<2	<20
Methylene chloride	0.5	5	<0.99	<5	28.2 B	<2	15.7	<0.1980	<2	0.69 J,B	0.6 J	<2	0.58 J,B	<2	0.34 J,B	<20
Styrene	10	100	3.1 J	<10	3.8 J	<2	<2	<0.2600	<2	<2	<2	<2	<2	<2	<2	<20
Tetrachloroethene	0.5	5	724	192	733	507	324	394	766	584	621	83.5	155	437	28.3	136
Toluene	200	1000	<10	9.6 J	8.5 J,B	0.49 J,B	<2	3.02	0.37 J	0.58 J,B	0.45 J	0.29 JB	1.2 J,B	<2	<2	<20
trans-1,2-Dichloroethene	20	100	10.8	6.9 J	22.8	8.6 J	14.1	<0.3100	11	12.2	7.2	1.3 J	5.43	6.35	0.58 J	<20
trans-1,3-Dichloropropene	0.02	0.2	<3.1	<10	<6.2	<2	<1	<0.6200	<2	<1	<1	<2	<1	<2	<2	<20
Trichloroethene	0.5	5	133	163	429	187	209	175	223	259	343	36.1	99.4	267	16.7	110
Vinyl acetate			<10	<10	<20	<2	<1	<0.2100	<2	<2	<2	<2	<2	<2	<2	<20
Vinyl chloride	0.02	0.2	9.7	5.2	16	10.9	18.6	11.3	5.78	10.6	9.14	8.64	15.6	9.65	0.5 J	5.5 J
Xylenes, Tota	1000	10000	<30	4.7 J	<60	<6	<2	6.170	<6	<6	<6	<6	<6	<6	<6	<60
		Total VOCs	1485.6	789.7	2853.6	1144.71	1400.2	1067.41	1601.57	1462.32	1480.03	217.66	510.1	1253.83	88.36	490.5

Notes:
J - Analyte detected below quantitation limits.
B - Analyte detected in the associated method blank.
NS - Not Sampled
ISCO - In-Situ Chemical Oxidation
ISCO Injection activities occurred between 9/1/2009 and 9/3/2009

MW-104
RAA #7
Groundwater Results
Volatile Organic Compounds

PARAMETERS	PAL	ES	Feb-07	May-07	Aug-07	Nov-07	Feb-08	May-08	Aug-08	Nov-08	Oct-09	Jan-10	May-10	Sep-10	Dec-10	Apr-11
1,1,1-Trichloroethane	40	200	<10	<10	<2	<2	<2	<0.3500	<2	<2	<2	<2	<2	<2	<2	<2
1,1,2,2-Tetrachloroethane	0.02	0.2	<10	<10	<2	<2	<2	<0.2300	<2	<2	<2	<2	<2	<2	<2	<2
1,1,2-Trichloroethane	0.5	5	<1.1	<5	<2	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethane	85	850	<10	<10	<2	<2	<2	<0.3200	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	0.7	7	<3.75	<5	<2	<2	<2	<0.7500	0.9 J	0.93 J	0.91 J	<2	<2	2.18	<2	<2
1,2,-Dibromo-3-chloropropane	0.02	0.2	<10	<10	<1	<2	<1	<1.000	<2	<1	<1	<2	<1	<2	<2	<2
1,2-Dibromoethane	0.005	0.05	<10	<10	<0.17	<2	<0.17	<0.1700	<2	<0.17	<0.26	<2	<0.26	<2	<2	<2
1,2-Dichloroethane	0.5	5	<1	<5	<2	<2	<2	<0.2000	<2	<2	<2	<2	<2	<2	<2	<2
1,2-Dichloropropane	0.5	5	<1.1	<5	<2	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2	<2	<2
1-Butanol			<500	<500	<100	<100	<100	<5.080	<100	<100	<100	<100	<100	<100	<100	<100
2-Butanone (MEK)	90	460	<100	<100	<20	<20	<20	<10.00	<20	<20	156		<20	<20	<20	<20
2-Chloroethyl vinyl ether			<50	<50	<10	<10	<10	<1.140	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexane			<100	<100	<20	<20	<20	<1.010	<20	<20	3.1 J	<20	<20	<20	<20	<20
4-Methyl-2-pentanone (MIBK)	50	500	<100	<100	<20	<20	<20	<2.570	<20	<20	4.8 J	<20	<20	<20	<20	<20
Acetone	200	1000	<200	<200	13 J,B	<40	<40	<4.280	<40	11 J,B	2610	24 J	11 J,B	<40	<40	<40
Acrylonitrile			<100	<100	<20	<20	<20	<3.680	<20	<20	<20	<20	<20	<20	<20	<20
Benzene	0.5	5	<1.2	<5	<2	0.25 J,B	<2	4.77	<2	<2	<2	<2	<2	<2	<2	<2
Bromodichloromethane	0.06	0.6	<10	<10	<0.27	<2	<0.27	<0.2700	<2	<0.27	<0.2	<2	<0.2	<2	<2	<2
Bromoform	0.44	4.4	<10	<10	< 0.25	<2	<0.25	<0.2500	<2	<0.2	<0.67	<2	<0.67	<2	<2	<2
Bromomethane	1	10	<1.15	<9.8	<2	<2	<2	<0.2300	<2	<2	<2	<2	<2	<2	<2	<6.21
Carbon disulfide	200	1000	<10	<10	<2	<2	<2	<0.4100	<2	<2	<2	<2	<2	<2	<2	<2
Carbon tetrachloride	0.5	5	<1.65	<5	<2	<2	<2	<0.3300	<2	<2	<2	<2	<2	<2	<2	<2
Chlorobenzene	20	100	<10	<10	<2	<2	<2	<0.1900	<2	<2	<2	<2	<2	<2	<2	<2
Chloroethane	80	400	<10	<10	<2	<2	<2	<0.5000	<2	<2	<2	<2	<2	<2	<2	<2
Chloroform	0.6	6	<10	<10	<0.26	<2	<0.26	4.32	<2	<0.26	<0.235	<2	<0.235	<2	0.24 J,B	<2
Chloromethane	0.3	3	<10	<10	<2	<2	<2	<0.2600	<2	0.26 J,B	<2	<2	<2	<2	<2	<3.27
cis-1,2-Dichloroethene	7	70	108	107	101	138	138	<0.3800	204	205	133	159	61.3	2150	46.3	1.7
cis-1,3-Dichloropropene	0.02	0.2	<0.7	<1	<1	<2	<1	<0.1400	<2	<1	<1	<2	<1	<2	<2	<2
Dibromochloromethane	6	60	<10	<10	<2	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2	<2	<2
Ethylbenzene	140	700	<10	1.5	<2	0.43 J,B	<2	<0.1500	<2	<2	<2	<2	<2	<2	<2	<2
Methyl tert-butyl ether	12	60	<10	<10	<2	<2	<2	<0.2400	<2	<2	<2	<2	<2	<2	<2	<2
Methylene chloride	0.5	5	<0.99	<5	1.5 J,B	<2	11.9	<0.1980	<2	0.66 J,B	<2	<2	0.58 J,B	<2	<2	<2
Styrene	10	100	<10	<10	<2	<2	<2	<0.2600	<2	<2	<2	<2	<2	<2	<2	<2
Tetrachloroethene	0.5	5	635	314	179 B	614	505	4.71	1080	1040	625	48.2	18.5	26.9	<2	<10
Toluene	200	1000	<10	9.6	0.48 J,B	0.45 J,B	<2	3.16	0.34 J	0.61 J,B	0.41 J	0.35 J,B	2.67	<2	<2	<2
trans-1,2-Dichloroethene	20	100	<10	<10	1.3 J,B	<20	<2	<0.3100	7.02	5.62	4.58	2.28	4.58	21.7	0.56 J	<2
trans-1,3-Dichloropropene	0.02	0.2	<3.1	<10	<1	<2	<1	<0.6200	<2	<1	<1	<2	<1	<2	<2	<2
Trichloroethene	0.5	5	116	83.8	61.6	208	133	6.07	262	261	309	97.9	50.9	329	0.61 J	<2
Vinyl acetate			<10	<10	<2	<2	<2	<0.2100	<2	<2	<2	<2	<2	<2	<2	<2
Vinyl chloride	0.02	0.2	11.6	9	8.03	9.67	9.58	<0.0903	3.7	5.72	2.42	3.78	5.01	1110	23.7	2 J
Xylenes, Tota	1000	10000	<30	4.8	<6	<6	<2	<6.000	<6	0.72 J	<6	<6	<6	<6	<6	<6
		Total VOCs	870.6	529.7	365.91	970.8	797.48	23.03	1557.96	1531.52	3849.22	335.51	154.54	3639.78	71.41	3.7

Notes:
J - Analyte detected below quantitation limits.
B - Analyte detected in the associated method blank.
NS - Not Sampled
ISCO - In-Situ Chemical Oxidation
ISCO Injection activities occurred between 9/1/2009 and 9/3/2009

MW-105
RAA #7
Groundwater Results
Volatile Organic Compounds

PARAMETERS	PAL	ES	Feb-07	May-07	Aug-07	Nov-07	Feb-08	May-08	Aug-08	Nov-08	Oct-09	Jan-10	May-10	Sep-10	Dec-10	Apr-11
1,1,1-Trichloroethane	40	200	<2	<3.5	<20	<2	<2	<0.3500	<2	<2	<2	<2	<2	<2	<2	<20
1,1,2,2-Tetrachloroethane	0.02	0.2	<2	<2.3	<20	<2	<2	<0.2300	<2	<2	<2	<2	<2	<2	<2	<20
1,1,2-Trichloroethane	0.5	5	<2	<2.2	<5	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2	<2	<20
1,1-Dichloroethane	85	850	<2	<3.2	<20	<2	<2	<0.3200	<2	<2	<2	<2	<2	<2	<2	<20
1,1-Dichloroethene	0.7	7	<2	<7.5	<7.5	<2	0.92 J	<0.7500	0.76 J	1.2 J	<2	<2	<2	0.93 J	<2	<20
1,2,-Dibromo-3-chloropropane	0.02	0.2	<2	<10	<10	<2	<1	<1.000	<2	<1	<1	<2	<1	<2	<2	<20
1,2-Dibromoethane	0.005	0.05	<2	<1.7	<1.7	<2	<0.17	<0.1700	<2	<0.17	<0.26	<2	<0.26	<2	<2	<20
1,2-Dichloroethane	0.5	5	<2	<2	<5	<2	<2	<0.2000	<2	<2	<2	<2	<2	<2	<2	<20
1,2-Dichloropropane	0.5	5	<2	<2.2	<5	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2	<2	<20
1-Butanol			<100	<254	<700	<100	<100	<5.080	<100	<100	<100	<100	<100	<100	<100	<1000
2-Butanone (MEK)	90	460	<20	<23	<200	<20	<20	<10.00	<20	<20	45.5	<20	<20	<20	<20	<200
2-Chloroethyl vinyl ether			<10	<11.4	<100	<10	<10	<1.140	<10	<10	<10	<10	<10	<10	<10	<100
2-Hexane			<20	<10.1	<200	<20	<20	<1.010	<20	<20	<20	<20	<20	<20	<20	<20
4-Methyl-2-pentanone (MIBK)	50	500	<20	<25.7	<200	<20	<20	<2.570	<20	<20	<20	<20	<20	<20	<20	<200
Acetone	200	1000	<40	<42.8	250 J,B	<40	<40	<4.280	<40	9.5 J,B	351	<40	14 J,B	<40	<40	<400
Acrylonitrile			<20	<36.7	<200	<20	<20	<3.680	<20	<20	<20	<20	<20	<20	<20	<200
Benzene	0.5	5	<2	<2.4	2.6 J	0.32 J,B	<2	4.78	<2	0.28 J,B	<2	<2	0.2 J	<2	<2	<20
Bromodichloromethane	0.06	0.6	<2	<2.7	<2.7	<2	<0.27	<0.2700	<2	<0.27	<0.2	<2	<0.2	<2	<2	<20
Bromoform	0.44	4.4	<2	<2.5	<2.5	<2	<0.25	<0.2500	<2	<0.2	<0.67	<2	<0.67	<2	<2	<20
Bromomethane	1	10	<2	<2.3	<9.8	<2	<2	<0.2300	<2	<2	<2	<2	<2	<2	<2	<62.1
Carbon disulfide	200	1000	<2	<4.1	<20	<2	<2	<0.4100	1.4 J	<2	<2	<2	<2	<2	<2	<20
Carbon tetrachloride	0.5	5	<2	<3.3	<5	<2	<2	<0.3300	<2	<2	<2	<2	<2	<2	<2	<20
Chlorobenzene	20	100	<2	<1.9	<20	<2	<2	<0.1900	<2	<2	<2	<2	<2	<2	<2	<20
Chloroethane	80	400	<2	<5	<20	<2	<2	<0.5000	<2	<2	<2	<2	<2	<2	<2	<200
Chloroform	0.6	6	<2	<2.6	<2.6	<2	<0.26	<0.2600	<2	<0.26	<0.235	<2	0.26 J,B	<2	<2	<32.7
Chloromethane	0.3	3	0.32 J	<2.6	<20	<2	<0.25	<0.2600	<2	<2	<2	<2	<2	<2	<2	<2
cis-1,2-Dichloroethene	7	70	220	143	215	156	188	83.9	198	205	81.3	158	503	805	33.9	731
cis-1,3-Dichloropropene	0.02	0.2	<0.14	<1.4	<1.4	<2	<1	<0.1400	<2	<1	<1	<2	<1	<2	<2	<20
Dibromochloromethane	6	60	<2	<2.2	<20	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2	<2	<20
Ethylbenzene	140	700	<2	2.9	4.4 J,B	0.44 J,B	<2	<0.1500	0.24 J	<2	<2	<2	<2	<2	<2	<20
Methyl tert-butyl ether	12	60	<2	<2.4	<40	<2	<2	<0.2400	<2	<2	<2	<2	<2	<2	<2	<20
Methylene chloride	0.5	5	<2	<1.98	28.7 B	<2	8.29	<0.1980	<2	0.73 J,B	0.44 J	<2	0.59 J,B	1.2 J	<2	<20
Styrene	10	100	1.9 J	<2.6	<20	<2	<2	<0.2600	<2	<2	<2	<2	<2	<2	<2	<20
Tetrachloroethene	0.5	5	793	1320	1770 B	366	1180	191	1540	1280	292	199	406	95.3	3.88	143
Toluene	200	1000	<2	20	7.5 J,B	0.49 J,B	<2	3.12	0.35 J	0.59 J,B	0.55 J	0.22 JB	92	<2	0.23 J	<20
trans-1,2-Dichloroethene	20	100	5.8	<3.1	<20	<20	2.25	6.39	8.11	8.68	2.95	3.12	10.6	6.77	0.43 J	<20
trans-1,3-Dichloropropene	0.02	0.2	<0.62	<6.2	<6.2	<2	<1	<0.6200	<2	<1	<1	<2	<1	<2	<2	<20
Trichloroethene	0.5	5	190	217	391	126	191	66.8	275	255	123	131	348	206	9.53	198
Vinyl acetate			<2	<2.1	<20	<2	<2	<0.2100	<2	<2	<2	<2	<2	<2	<2	<20
Vinyl chloride	0.02	0.2	10.7	28.7	23.6	11.1	11.6	3.88	11.1	12.1	1.6 J	3.12 J	8.48	1.9 J	<2	39.1
Xylenes, Tota	1000	10000	<6	10	<60	<6	<2	<6.000	0.63	0.68 J	<6	<6	<6	<6	<6	<60
		Total VOCs	1221.72	1741.6	2692.8	660.35	1582.06	359.87	2035.59	1773.76	898.34	494.46	1383.13	1117.1	47.97	490.5

Notes:
J - Analyte detected below quantitation limits.
B - Analyte detected in the associated method blank.
NS - Not Sampled
ISCO - In-Situ Chemical Oxidation
ISCO Injection activities occurred between 9/1/2009 and 9/3/2009

MW-106
RAA #7
Groundwater Results
Volatile Organic Compounds

PARAMETERS	PAL	ES	Feb-07	May-07	Aug-07	Nov-07	Feb-08	May-08	Aug-08	Nov-08	Oct-09	Jan-10	May-10	Sep-10	Dec-10	Apr-11
1,1,1-Trichloroethane	*40*	**200**	<2	<2	<2	<2	<2	<0.3500	<2	<2	<2	<2	<2	<2	<2	<2
1,1,2,2-Tetrachloroethane	*0.02*	**0.2**	<2	<2	<2	<2	<2	<0.2300	<2	<2	<2	<2	<2	<2	<2	<2
1,1,2-Trichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethane	*85*	**850**	<2	<2	<2	<2	<2	<0.3200	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	*0.7*	**7**	<2	<2	<2	<2	<2	<0.7500	<2	<2	<2	<2	<2	<2	<2	<2
1,2,-Dibromo-3-chloropropane	*0.02*	**0.2**	<2	<2	<1	<2	<1	<1.000	<2	<1	<1	<2	<1	<2	<2	<2
1,2-Dibromoethane	*0.005*	**0.05**	<2	<2	<0.17	<2	<0.17	<0.1700	<2	<0.17	<0.26	<2	<0.26	<2	<2	<2
1,2-Dichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2000	<2	<2	<2	<2	<2	<2	<2	<2
1,2-Dichloropropane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2	<2	<2
1-Butanol			<100	<100	<100	<100	<100	<5.080	<100	<100	<100	<100	<100	<100	<100	<100
2-Butanone (MEK)	*90*	**460**	<20	<20	<20	<20	<20	<10.00	<20	<20	<20	<20	<20	<20	<20	<20
2-Chloroethyl vinyl ether			<10	<10	<10	<10	<10	<1.140	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexane			<20	<20	<20	<20	<20	<1.010	<20	<20	<20	<20	<20	<20	<20	<20
4-Methyl-2-pentanone (MIBK)	*50*	**500**	<20	<20	<20	<20	<20	<2.570	<20	<20	<20	<20	<20	<20	<20	<20
Acetone	*200*	**1000**	<40	<40	14 J,B	5.3 J,B	<40	<4.280	<40	11 J,B	<40	6.7 J	9.8 J	<40	<40	<40
Acrylonitrile			<20	<20	<20	<20	<20	<3.680	<20	<20	<20	<20	<20	<20	<20	<20
Benzene	*0.5*	**5**	<2	<2	<2	<2	<2	*4.84*	<2	<2	<2	<2	<2	<2	<2	<2
Bromodichloromethane	*0.06*	**0.6**	<2	<2	<0.27	<2	<0.27	<0.2700	<2	<0.27	<0.2	<2	<0.2	<2	<2	<2
Bromoform	*0.44*	**4.4**	<2	<2	< 0.25	<2	<0.25	**5.69**	<2	<0.2	<0.67	<2	<0.67	<2	<2	<2
Bromomethane	*1*	**10**	<2	<2	<2	<2	<2	<0.2300	<2	<2	<2	<2	<2	<2	<2	<6.21
Carbon disulfide	*200*	**1000**	<2	<2	<2	<2	<2	<0.4100	<2	<2	<2	<2	<2	<2	<2	<2
Carbon tetrachloride	*0.5*	**5**	<2	<2	<2	<2	<2	<0.3300	<2	<2	<2	<2	<2	<2	<2	<2
Chlorobenzene	*20*	**100**	<2	<2	<2	<2	<2	<0.1900	<2	<2	<2	<2	<2	<2	<2	<2
Chloroethane	*80*	**400**	<2	<2	<2	<2	<2	<0.5000	<2	<2	<2	<2	<2	<2	<2	<2
Chloroform	*0.6*	**6**	<2	<2	<0.26	<2	<0.26	*4.23*	<2	<0.26	<0.235	<2	<0.235	<2	<2	<2
Chloromethane	*0.3*	**3**	<2	<2	<2	*0.27 J,B*	<0.25	<0.2600	<2	0.28 J,B	<2	<2	*0.39 J,B*	<2	*0.34 J,B*	<3.27
cis-1,2-Dichloroethene	*7*	**70**	3.55	*7.54*	*8.91*	7.08	<2	*12.1*	*8.98*	*11.6*	3.73	4.8	*8.03*	*9.41*	4	**5.81**
cis-1,3-Dichloropropene	*0.02*	**0.2**	<0.14	<1	<1	<2	<1	<0.1400	<2	<1	<1	<2	<1	<2	<2	<2
Dibromochloromethane	*6*	**60**	<2	<2	<2	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2	<2	<2
Ethylbenzene	*140*	**700**	<2	0.28 J	<2	<2	<2	<0.1500	<2	<2	<2	<2	<2	<2	<2	<2
Methyl tert-butyl ether	*12*	**60**	<2	<2	<2	<2	<2	<0.2400	<2	<2	<2	<2	<2	<2	<2	<2
Methylene chloride	*0.5*	**5**	<2	<2	*1.6 J,B*	<2	**6.05**	<0.1980	0.34 J	*0.72 J,B*	<2	<2	*0.96 J,B*	<2	<2	<2
Styrene	*10*	**100**	<2	<2	<2	<2	<2	<0.2600	<2	<2	<2	<2	<2	<2	<2	<2
Tetrachloroethene	*0.5*	**5**	<2	<5	<2	*0.81 J,B*	*1.9*	<0.4400	<2	*3.8*	<2	<2	<2	<2	<2	<10
Toluene	*200*	**1000**	<2	1.9 J	0.39 J,B	<2	<2	<0.3100	1.9 J	0.64 J,B	0.44 J	0.33 JB	1.9 J,B	<2	<2	<2
trans-1,2-Dichloroethene	*20*	**100**	<2	1.1 J	1.1 J	<2	<2	2.95	0.97 J	1.2 J	0.37 J	0.59 J	1.2 J	1.1 J	<2	<2
trans-1,3-Dichloropropene	*0.02*	**0.2**	<0.62	<1	<1	<2	<1	<0.6200	<2	<1	<1	<2	<1	<2	<2	<2
Trichloroethene	*0.5*	**5**	<2	<2	0.26 J	<2	<2	<0.2600	<2	0.38 J,B	<2	<2	<2	<2	<2	<2
Vinyl acetate			<2	<2	<2	<2	<2	<0.2100	<2	<2	<2	<2	<2	<2	<2	<2
Vinyl chloride	*0.02*	**0.2**	<2	**0.74**	**0.71 J**	1.1 J	**0.79 J**	**1.99**	0.4 J	**0.69 J**	<2	**0.67 J**	**0.52 J**	**0.91 J**	<2	**0.59 J**
Xylenes, Tota	*1000*	**10000**	<6	1	<6	<6	<6	<6.000	<6	<6	<6	<6	<6	<6	<6	<6
		Total VOCs	3.55	12.56	26.97	14.56	8.74	31.8	12.59	30.31	4.54	13.09	22.8	11.42	4.34	6.4

Notes:
J - Analyte detected below quantitation limits.
B - Analyte detected in the associated method blank.
NS - Not Sampled
ISCO - In-Situ Chemical Oxidation
ISCO Injection activities occurred between 9/1/2009 and 9/3/2009

MW-107
RAA #19
Groundwater Results
Volatile Organic Compounds

PARAMETERS	PAL	ES	Feb-07	May-07	Aug-07	Nov-07	Feb-08	May-08	Aug-08	Nov-08
1,1,1-Trichloroethane	*40*	**200**	<2	<2	<2	<2	<2	<0.3500	<2	<2
1,1,2,2-Tetrachloroethane	*0.02*	**0.2**	<2	<2	<2	<2	<2	<0.2300	<2	<2
1,1,2-Trichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2
1,1-Dichloroethane	*85*	**850**	<2	<2	<2	<2	<2	<0.3200	<2	<2
1,1-Dichloroethene	*0.7*	**7**	<2	<2	<2	<2	<2	<0.7500	<2	<2
1,2,-Dibromo-3-chloropropane	*0.02*	**0.2**	<2	<2	<1	<2	<1	<1.000	<2	<1
1,2-Dibromoethane	*0.005*	**0.05**	<2	<2	<0.17	<2	<0.17	<0.1700	<2	<0.17
1,2-Dichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2000	<2	<2
1,2-Dichloropropane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2
1-Butanol			<100	<100	<100	<100	<100	<5.080	<100	<100
2-Butanone (MEK)	*90*	**460**	<20	<20	<20	<20	<20	<10.00	<20	<20
2-Chloroethyl vinyl ether			<10	<10	<10	<10	<10	<1.140	<10	<10
2-Hexane			<20	<20	<20	<20	<20	<1.010	<20	<20
4-Methyl-2-pentanone (MIBK)	*50*	**500**	<20	<20	<20	<20	<20	<2.570	<20	<20
Acetone	*200*	**1000**	<40	<40	<40	<40	<40	<4.280	<40	<40
Acrylonitrile			<20	<20	<20	<20	<20	<3.680	<20	<20
Benzene	*0.5*	**5**	<2	<2	<2	<2	<2	*4.78*	<2	0.22 J,B
Bromodichloromethane	*0.06*	**0.6**	<2	<2	<0.27	<2	<0.27	<0.2700	<2	<0.2
Bromoform	*0.44*	**4.4**	<2	<2	< 0.25	<2	<0.25	<0.2500	<2	<0.25
Bromomethane	*1*	**10**	<2	<2	<2	<2	<2	<0.2300	<2	<2
Carbon disulfide	*200*	**1000**	<2	<2	<2	<2	<2	<0.4100	0.6 J	<2
Carbon tetrachloride	*0.5*	**5**	<2	<2	<2	<2	<2	<0.3300	<2	<2
Chlorobenzene	*20*	**100**	<2	<2	<2	<2	<2	<0.1900	<2	<2
Chloroethane	*80*	**400**	<2	<2	<2	<2	<2	<0.5000	<2	<2
Chloroform	*0.6*	**6**	<2	<2	<0.26	<2	<0.26	*4.27*	<2	<0.2
Chloromethane	*0.3*	**3**	<2	<2	<2	*0.35 J,B*	<0.25	<0.2600	<2	<2
cis-1,2-Dichloroethene	*7*	**70**	<2	<2	<2	*0.46 J,B*	<2	<0.3800	<2	<2
cis-1,3-Dichloropropene	*0.02*	**0.2**	<0.14	<1	<1	<2	<1	<0.1400	<2	<1
Dibromochloromethane	*6*	**60**	<2	<2	<2	<2	<2	<0.2200	<2	<2
Ethylbenzene	*140*	**700**	<2	<2	<2	*0.41 J,B*	<2	<0.1500	<2	0.2 J,B
Methyl tert-butyl ether	*12*	**60**	<2	<2	<2	<2	<2	<0.2400	<2	<2
Methylene chloride	*0.5*	**5**	<2	<2	*0.99 J,B*	*3.24 B*	**5.76**	<0.1980	<2	<2
Styrene	*10*	**100**	<2	<2	<2	<2	<2	<0.2600	<2	<2
Tetrachloroethene	*0.5*	**5**	*1.9 J*	*3.6 J*	**16.4 B**	**5.59 B**	**19.1**	**18.0**	*3.75*	*3.53*
Toluene	*200*	**1000**	<2	<2	0.37 J,B	0.47 J,B	0.2 J	2.88	0.32 J	0.63 J,B
trans-1,2-Dichloroethene	*20*	**100**	<2	<2	<2	<2	<2	<0.3100	<2	<2
trans-1,3-Dichloropropene	*0.02*	**0.2**	<0.62	<1	<1	<2	<1	<0.6200	<2	<1
Trichloroethene	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2600	*0.52 J*	*0.55 J,B*
Vinyl acetate			<2	<2	<2	<2	<2	<0.2100	<2	<2
Vinyl chloride	*0.02*	**0.2**	<2	<2	<2	<2	<2	<0.0930	<2	<2
Xylenes, Total	*1000*	**10000**	<6	<6	<6	1.07 JB	<6	<6.000	<6	2.5 J,B
		Total VOCs	1.9	3.6	17.76	11.59	25.06	29.93	5.19	7.63

Notes:
J - Analyte detected below quantitation limits.
B - Analyte detected in the associated method blank.
NS - Not Sampled
ISCO - In-Situ Chemical Oxidation
ISCO Injection activities occurred between 9/1/2009 and 9/3/2009

MW-108
RAA #19
Groundwater Results
Volatile Organic Compounds

PARAMETERS	PAL	ES	Feb-07	May-07	Aug-07	Nov-07	Feb-08	May-08	Aug-08	Nov-08	Oct-09	Jan-10	May-10	Sep-10
1,1,1-Trichloroethane	*40*	**200**	<2	2.07	<2	<2	1.3 J	8.33	1.7 J	2.46	1.9 J	1.5 J	2.1	2.94
1,1,2,2-Tetrachloroethane	*0.02*	**0.2**	<2	<2	<2	<2	<2	<0.2300	<2	<2	<2	<2	<2	<2
1,1,2-Trichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2
1,1-Dichloroethane	*85*	**850**	<2	2.38	<2	<2	3.45	10.5	5.81	7.02	4.97	2.87	3.77	5.06
1,1-Dichloroethene	*0.7*	**7**	<2	<2	<2	<2	<2	<0.7500	<2	<2	<2	<2	<2	<2
1,2,-Dibromo-3-chloropropane	*0.02*	**0.2**	<2	<2	<1	<2	<1	<1.000	<2	<1	<1	<2	<1	<2
1,2-Dibromoethane	*0.005*	**0.05**	<2	<2	<0.17	<2	<0.17	<0.1700	<2	<0.17	<0.26	<2	<0.26	<2
1,2-Dichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2000	<2	<2	<2	<2	<2	<2
1,2-Dichloropropane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2
1-Butanol			<100	<100	<100	<100	<100	<5.080	<100	<100	<100	<100	<100	<100
2-Butanone (MEK)	*90*	**460**	<20	<20	<20	<20	<20	<10.00	<20	<20	<20	<20	<20	<20
2-Chloroethyl vinyl ether			<10	<10	<10	<10	<10	<1.140	<10	<10	<10	<10	<10	<10
2-Hexane			<20	<20	<20	<20	<20	<1.010	<20	<20	<20	<20	<20	<20
4-Methyl-2-pentanone (MIBK)	*50*	**500**	<20	<20	<20	<20	<20	<2.570	<20	<20	<20	<20	<20	<20
Acetone	*200*	**1000**	<40	<40	<40	7.1 J,B	<40	<4.280	<40	9 J,B	<40	8.8 J	<40	<40
Acrylonitrile			<20	<20	<20	<20	<20	<3.680	<20	<20	<20	<20	<20	<20
Benzene	*0.5*	**5**	<2	<2	<2	<2	<2	*4.76*	<2	<2	<2	<2	<2	<2
Bromodichloromethane	*0.06*	**0.6**	<2	<2	<0.27	<2	<0.27	<0.2700	<2	<0.2	<0.2	<2	<0.2	<2
Bromoform	*0.44*	**4.4**	<2	<2	< 0.25	<2	<0.25	<0.2500	<2	< 0.25	< 0.67	<2	< 0.67	<2
Bromomethane	*1*	**10**	<2	<2	<2	*1.1 J,B*	<2	<0.2300	<2	<2	<2	<2	<2	<2
Carbon disulfide	*200*	**1000**	<2	<2	<2	<2	<2	<0.4100	<2	<2	<2	<2	<2	<2
Carbon tetrachloride	*0.5*	**5**	<2	<2	<2	<2	<2	<0.3300	<2	<2	<2	<2	<2	<2
Chlorobenzene	*20*	**100**	<2	<2	<2	<2	<2	<0.1900	<2	<2	<2	<2	<2	<2
Chloroethane	*80*	**400**	<2	<2	<2	<2	<2	<0.5000	<2	<2	<2	<2	<2	<2
Chloroform	*0.6*	**6**	<2	<2	<0.26	<2	<0.26	*4.19*	<2	<0.2	<0.235	<2	0.27 J,B	<2
Chloromethane	*0.3*	**3**	<2	<2	<2	*0.4 J,B*	*0.3*	<0.2600	<2	*0.38 J,B*	<2	<2	<2	<2
cis-1,2-Dichloroethene	*7*	**70**	<2	<2	<2	<2	<2	<0.3800	<2	0.65 J	0.63 J	<2	0.42 J	1.1 J
cis-1,3-Dichloropropene	*0.02*	**0.2**	<0.14	<0.14	<1	<2	<1	<0.1400	<2	<1	<1	<2	<1	<2
Dibromochloromethane	*6*	**60**	<2	<2	<2	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2
Ethylbenzene	*140*	**700**	<2	<2	<2	<2	<2	<0.1500	<2	<2	<2	0.25 J,B	<2	<2
Methyl tert-butyl ether	*12*	**60**	<2	<2	<2	<2	<2	<0.2400	<2	<2	<2	<2	<2	<2
Methylene chloride	*0.5*	**5**	<2	<2	*1.3 J,B*	<2	*0.84 J*	<0.1980	*1.6 J*	*0.7 J,B*	<2	<2	*0.71 J,B*	<2
Styrene	*10*	**100**	<2	<2	<2	<2	<2	<0.2600	<2	<2	<2	<2	<2	<2
Tetrachloroethene	*0.5*	**5**	<2	*0.71*	<1	*0.88 J,B*	**5.15**	<0.4400	<2	<2	<2	<2	<2	<2
Toluene	*200*	**1000**	<2	<2	0.45 J,B	0.23 J,B	<2	2.97	0.32 J	0.59 J,B	0.61 J	0.34 J,B	8.45 B	1.3 J,B
trans-1,2-Dichloroethene	*20*	**100**	<2	<2	<2	<2	<2	<0.3100	<2	<2	<2	<2	<2	<2
trans-1,3-Dichloropropene	*0.02*	**0.2**	<0.62	<0.62	<1	<2	<1	<0.6200	<2	<1	<1	<2	<1	<2
Trichloroethene	*0.5*	**5**	*3.68*	**8.42**	**11.4**	**12.4 B**	**6.73**	**20.4**	**9.56**	**11.2**	**10.8**	**7.49**	**8.46**	**12.9**
Vinyl acetate			<2	<2	<2	<2	<2	<0.2100	<2	<2	<2	<2	<2	<2
Vinyl chloride	*0.02*	**0.2**	<2	<2	<2	<2	<2	<0.0930	<2	<2	<2	<2	<2	<2
Xylenes, Total	*1000*	**10000**	<6	<6	<6	<6	<6	<6.000	<6	0.93 J	<6	<6	<6	<6
		Total VOCs	3.68	13.58	13.15	22.11	17.77	51.15	18.99	32.93	18.91	21.25	24.18	23.3

Notes:
J - Analyte detected below quantitation limits.
B - Analyte detected in the associated method blank.
NS - Not Sampled

MW-109
RAA #19
Groundwater Results
Volatile Organic Compounds

PARAMETERS	PAL	ES	Feb-07	May-07	Aug-07	Nov-07	Feb-08	May-08	Aug-08	Nov-08	Oct-09	Jan-10	May-10	Sep-10
1,1,1-Trichloroethane	*40*	**200**	<2	<2	<2	<2	<2	<0.3500	<2	<2	<2	<2	<2	<2
1,1,2,2-Tetrachloroethane	*0.02*	**0.2**	<2	<2	<2	<2	<2	<0.2300	<2	<2	<2	<2	<2	<2
1,1,2-Trichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2
1,1-Dichloroethane	*85*	**850**	<2	<2	<2	<2	<2	<0.3200	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	*0.7*	**7**	<2	<2	<2	<2	<2	<0.7500	<2	<2	<2	<2	<2	<2
1,2,-Dibromo-3-chloropropane	*0.02*	**0.2**	<2	<2	<1	<2	<1	<1.000	<2	<1	<2	<2	<1	<2
1,2-Dibromoethane	*0.005*	**0.05**	<2	<2	<0.17	<2	<0.17	<0.1700	<2	<0.17	<2	<2	<0.26	<2
1,2-Dichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2000	<2	<2	<2	<2	<2	<2
1,2-Dichloropropane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2
1-Butanol			<100	<100	<100	<100	<100	<5.080	<100	<100	<100	<100	<100	<100
2-Butanone (MEK)	*90*	**460**	<20	<20	<20	<20	<20	<10.00	<20	<20	<20	<20	<20	<20
2-Chloroethyl vinyl ether			<10	<10	<10	<10	<10	<1.140	<10	<10	<10	<10	<10	<10
2-Hexane			<20	<20	<20	<20	7.8 J	<1.010	<20	<20	<20	<20	<20	<20
4-Methyl-2-pentanone (MIBK)	*50*	**500**	<20	<20	<20	<20	<20	<2.570	<20	<20	<20	<20	<20	<20
Acetone	*200*	**1000**	<40	<40	<40	<40	<40	<4.280	<40	<40	<40	<40	11 J,B	<40
Acrylonitrile			<20	<20	<20	<20	<20	<3.680	<20	<20	<20	<20	<20	<20
Benzene	*0.5*	**5**	<2	<2	<2	<2	<2	*4.77*	<2	<2	<2	<2	<2	<2
Bromodichloromethane	*0.06*	**0.6**	<2	<2	<0.27	<2	<0.27	<0.2700	<2	<0.2	<2	<2	<0.2	<2
Bromoform	*0.44*	**4.4**	<2	<2	< 0.25	<2	<0.25	<0.2500	<2	< 0.25	< 2	< 2	< 0.67	< 2
Bromomethane	*1*	**10**	<2	<2	<2	<2	<2	<0.2300	<2	<2	<2	<2	<2	<2
Carbon disulfide	*200*	**1000**	<2	<2	<2	<2	<2	<0.4100	<2	<2	<2	<2	<2	<2
Carbon tetrachloride	*0.5*	**5**	<2	<2	<2	<2	<2	<0.3300	<2	<2	<2	<2	<2	<2
Chlorobenzene	*20*	**100**	<2	<2	<2	<2	<2	<0.1900	<2	<2	<2	<2	<2	<2
Chloroethane	*80*	**400**	<2	<2	<2	<2	<2	<0.5000	<2	<2	<2	<2	<2	<2
Chloroform	*0.6*	**6**	<2	<2	<0.26	<2	<0.26	*4.30*	<2	<0.26	<2	<2	0.25 J	0.25 J
Chloromethane	*0.3*	**3**	<2	<2	<2	*0.5 J,B*	<0.25	<0.2600	<2	*0.35 J,B*	<2	<2	<2	<2
cis-1,2-Dichloroethene	*7*	**70**	<2	<2	<2	<2	<2	<0.3800	<2	<2	<2	<2	<2	<2
cis-1,3-Dichloropropene	*0.02*	**0.2**	<0.14	<1	<1	<2	<1	<0.1400	<2	<1	<2	<2	<1	<2
Dibromochloromethane	*6*	**60**	<2	<2	<2	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2
Ethylbenzene	*140*	**700**	<2	<2	<2	0.34 J,B	<2	<0.1500	<2	0.36 J	<2	<2	<2	<2
Methyl tert-butyl ether	*12*	**60**	<2	<2	<2	<2	<2	<0.2400	<2	<2	<2	<2	<2	<2
Methylene chloride	*0.5*	**5**	<2	<2	*0.88 J,B*	*2.32 B*	*0.79 J*	<0.1980	0.4 J	*0.71 J,B*	*0.59 J*	<2	*0.75 J,B*	<2
Styrene	*10*	**100**	<2	<2	<2	<2	<2	<0.2600	<2	<2	<2	<2	<2	<2
Tetrachloroethene	*0.5*	**5**	*3.82 B*	**5.63**	**52.3 B**	**21.6 B**	**33.2**	**44.4**	**48**	**40.6**	**28.1**	**21.2**	**20.3**	**28**
Toluene	*200*	**1000**	<2	<2	0.31 J,B	0.33 J,B	<2	2.98	0.32 J	0.55 J,B	<2	0.27 JB	2.12 B	<2
trans-1,2-Dichloroethene	*20*	**100**	<2	<2	<2	<2	<2	<0.3100	<2	<2	<2	<2	<2	<2
trans-1,3-Dichloropropene	*0.02*	**0.2**	<0.62	<1	<1	<2	<1	<0.6200	<2	<1	<2	<2	<1	<2
Trichloroethene	*0.5*	**5**	<2	<2	<2	<2	<2	**5.76**	0.4 J	*1.6 J,B*	<2	<2	<2	0.34 J
Vinyl acetate			<2	<2	<2	<2	<2	<0.2100	<2	<2	<2	<2	<2	<2
Vinyl chloride	*0.02*	**0.2**	<2	<2	<2	<2	<2	<0.0930	<2	<2	<2	<2	<2	<2
Xylenes, Total	1000	**10000**	<6	<6	<6	0.79 J,B	<6	<6.000	<6	2.1 J	<6	<6	<6	<6
		Total VOCs	3.82	5.63	53.49	25.88	41.79	62.21	49.12	46.27	28.69	21.47	34.42	28.59

Notes:
J - Analyte detected below quantitation limits.
B - Analyte detected in the associated method blank.
NS - Not Sampled

MW-110
RAA #19
Groundwater Results
Volatile Organic Compounds

PARAMETERS	PAL	ES	Feb-07	May-07	Aug-07	Nov-07	Feb-08	May-08	Aug-08	Nov-08	Oct-09	Jan-10	May-10	Sep-10
1,1,1-Trichloroethane	*40*	**200**	<2	<2	<2	<2	<2	<0.3500	<2	<2	<2	<2	<2	<2
1,1,2,2-Tetrachloroethane	*0.02*	**0.2**	<2	<2	<2	<2	<2	<0.2300	<2	<2	<2	<2	<2	<2
1,1,2-Trichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2
1,1-Dichloroethane	*85*	**850**	<2	<2	<2	<2	<2	<0.3200	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	*0.7*	**7**	<2	<2	<2	<2	<2	<0.7500	<2	<2	<2	<2	<2	<2
1,2,-Dibromo-3-chloropropane	*0.02*	**0.2**	<2	<2	<1	<2	<1	<1.000	<2	<1	<2	<2	<1	<2
1,2-Dibromoethane	*0.005*	**0.05**	<2	<2	<0.17	<2	<0.17	<0.1700	<2	<0.17	<2	<2	<0.26	<2
1,2-Dichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2000	<2	<2	<2	<2	<2	<2
1,2-Dichloropropane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2
1-Butanol			<100	<100	<100	<100	<100	<5.080	<100	<100	<100	<100	<100	<100
2-Butanone (MEK)	*90*	**460**	<20	<20	<20	<20	<20	<10.00	<20	<20	<20	<20	<20	<20
2-Chloroethyl vinyl ether			<10	<10	<10	<10	<10	<1.140	<10	<10	<10	<10	<10	<10
2-Hexane			<20	<20	<20	<20	<20	<1.010	<20	<20	<20	<20	<20	<20
4-Methyl-2-pentanone (MIBK)	*50*	**500**	<20	<20	<20	<20	<20	<2.570	<20	<20	<20	<20	<20	<20
Acetone	*200*	**1000**	<40	<40	<40	6 J,B	<40	<4.280	<40	<40	<40	<40	<40	<40
Acrylonitrile			<20	<20	<20	<20	<20	<3.680	<20	<20	<20	<20	<20	<20
Benzene	*0.5*	**5**	<2	<2	<2	<2	<2	*4.77*	<2	*0.96 J,B*	<2	<2	<2	<2
Bromodichloromethane	*0.06*	**0.6**	<2	<2	<0.27	<2	<0.27	<0.2700	<2	<0.27	<2	<2	<0.2	<2
Bromoform	*0.44*	**4.4**	<2	<2	< 0.25	<2	<0.25	<0.2500	<2	< 0.25	<2	<2	< 0.67	<2
Bromomethane	*1*	**10**	<2	<2	<2	<2	<2	<0.2300	<2	<2	<2	<2	<2	<2
Carbon disulfide	*200*	**1000**	<2	<2	<2	<2	<2	<0.4100	<2	<2	<2	<2	<2	<2
Carbon tetrachloride	*0.5*	**5**	<2	*2.22*	<2	<2	<2	<0.3300	<2	<2	<2	<2	<2	<2
Chlorobenzene	*20*	**100**	<2	<2	<2	<2	<2	<0.1900	<2	<2	<2	<2	<2	<2
Chloroethane	*80*	**400**	<2	<2	<2	<2	<2	<0.5000	<2	<2	<2	<2	<2	<2
Chloroform	*0.6*	**6**	<2	<2	<0.26	<2	<0.26	*4.28*	<2	<0.26	<2	<2	<2	<2
Chloromethane	*0.3*	**3**	<2	<2	<2	*0.47 J,B*	*0.33 J*	<0.2600	<2	0.28 J,B	<2	<2	<2	<2
cis-1,2-Dichloroethene	*7*	**70**	<2	1.1 J	<2	<2	<2	5.37	2.63	3.12	3.14	1.9 J	2.37	2.71
cis-1,3-Dichloropropene	*0.02*	**0.2**	<0.14	<1	<1	<2	<1	<0.1400	<2	<1	<2	<2	<1	<2
Dibromochloromethane	*6*	**60**	<2	<2	<2	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2
Ethylbenzene	*140*	**700**	<2	<2	<2	<2	<2	<0.1500	0.66	0.26 J,B	<2	<2	<2	<2
Methyl tert-butyl ether	*12*	**60**	<2	<2	<2	<2	<2	<0.2400	<2	<2	<2	<2	<2	<2
Methylene chloride	*0.5*	**5**	<2	<2	*1.1 J,B*	<2	*0.69 J*	<0.1980	*1.8 J*	*0.6 J,B*	<2	<2	*0.73 J,B*	<2
Styrene	*10*	**100**	<2	<2	<2	<2	<2	<0.2600	<2	<2	<2	<2	<2	<2
Tetrachloroethene	*0.5*	**5**	<2	*0.5 J*	<2	*0.89 J,B*	<2	<0.4400	<2	*0.93 J,B*	<2	<2	<2	<2
Toluene	*200*	**1000**	<2	<2	0.31 J,B	<2	<2	2.96	2.06 J	0.34 J,B	<2	0.38 JB	0.84 J,B	<2
trans-1,2-Dichloroethene	*20*	**100**	<2	<2	<2	<2	<2	<0.3100	<2	0.65 J	<2	<2	0.48 J,B	0.57 J
trans-1,3-Dichloropropene	*0.02*	**0.2**	<0.62	<1	<1	<2	<1	<0.6200	<2	<1	<2	<2	<1	<2
Trichloroethene	*0.5*	**5**	<2	<2	<2	*0.56 J,B*	*0.92 J*	**5.78**	*0.59 J*	*0.93 J,B*	*0.74 J*	<2	*0.56 J*	*0.64 J*
Vinyl acetate			<2	<2	<2	<2	<2	<0.2100	<2	<2	<2	<2	<2	<2
Vinyl chloride	*0.02*	**0.2**	<2	<2	<2	<2	<2	<0.0930	<2	<2	<2	<2	<2	<2
Xylenes, Total	*1000*	**10000**	<6	<6	<6	<6	<6	<6.000	0.97 J	1.1 J,B	<6	<6	<6	<6
		Total VOCs	0	3.82	1.41	7.92	1.94	23.16	8.71	9.17	3.88	2.28	4.98	3.92

Notes:
J - Analyte detected below quantitation limits.
B - Analyte detected in the associated method blank.
NS - Not Sampled

MW-111
RAA #19
Groudnwater Results
Volatile Organic Compounds

PARAMETERS	PAL	ES	Feb-07	May-07	Aug-07	Nov-07	Feb-08	May-08	Aug-08	Nov-08
1,1,1-Trichloroethane	*40*	**200**	<2	2.35	<2	0.86 J	1.7 J	<0.3500	1.5 J	1 J
1,1,2,2-Tetrachloroethane	*0.02*	**0.2**	<2	<2	<2	<2	<2	<0.2300	<2	<2
1,1,2-Trichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2
1,1-Dichloroethane	*85*	**850**	<2	1.4 J	<2	0.98 J	1.1 J	5.28	1.4 J	1.2 J
1,1-Dichloroethene	*0.7*	**7**	<2	<2	<2	<2	<2	<0.7500	<2	<2
1,2,-Dibromo-3-chloropropane	*0.02*	**0.2**	<2	<2	<1	<2	<1	<1.000	<2	<1
1,2-Dibromoethane	*0.005*	**0.05**	<2	<2	<0.17	<2	<0.17	<0.1700	<2	<0.17
1,2-Dichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2000	<2	<2
1,2-Dichloropropane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2
1-Butanol			<100	<100	<100	<100	<100	<5.080	<100	<100
2-Butanone (MEK)	*90*	**460**	<20	<20	<20	<20	<20	<10.00	<20	<20
2-Chloroethyl vinyl ether			<10	<10	<10	<10	<10	<1.140	<10	<10
2-Hexane			<20	<20	<20	<20	<20	<1.010	<20	<20
4-Methyl-2-pentanone (MIBK)	*50*	**500**	<20	<20	<20	<20	<20	<2.570	<20	<20
Acetone	*200*	**1000**	<40	<40	<40	5.1 J,B	<40	<4.280	<40	<40
Acrylonitrile			<20	<20	<20	<20	<20	<3.680	<20	<20
Benzene	*0.5*	**5**	<2	<2	<2	<2	<2	*4.81*	<2	*1.1 J,B*
Bromodichloromethane	*0.06*	**0.6**	<2	<2	<0.27	<2	<0.27	<0.2700	<2	<0.27
Bromoform	*0.44*	**4.4**	<2	<2	< 0.25	<2	<0.25	<0.2500	<2	< 0.25
Bromomethane	*1*	**10**	<2	<2	<2	<2	<2	<0.2300	<2	<2
Carbon disulfide	*200*	**1000**	<2	<2	<2	<2	<2	<0.4100	<2	0.68 J,B
Carbon tetrachloride	*0.5*	**5**	<2	<2	<2	<2	<2	<0.3300	<2	<2
Chlorobenzene	*20*	**100**	<2	<2	<2	<2	<2	<0.1900	<2	<2
Chloroethane	*80*	**400**	<2	<2	<2	<2	<2	<0.5000	<2	<2
Chloroform	*0.6*	**6**	<2	<2	<0.26	<2	<0.26	*4.33*	<2	<0.26
Chloromethane	*0.3*	**3**	<2	<2	<2	*0.3 J,B*	0.28 J	<0.2600	<2	<2
cis-1,2-Dichloroethene	*7*	**70**	3.12	<2	3.54	4.16	3.76	*7.38*	5.92	5.24
cis-1,3-Dichloropropene	*0.02*	**0.2**	<0.14	<1	<1	<2	<1	<0.1400	<2	<1
Dibromochloromethane	*6*	**60**	<2	<2	<2	<2	<2	<0.2200	<2	<2
Ethylbenzene	*140*	**700**	<2	<2	<2	<2	<2	<0.1500	<2	0.23 J,B
Methyl tert-butyl ether	*12*	**60**	<2	<2	<2	<2	<2	<0.2400	<2	<2
Methylene chloride	*0.5*	**5**	<2	<2	*1.1 J,B*	<2	0.81 J	<0.1980	<2	0.55 J,B
Styrene	*10*	**100**	<2	<2	<2	<2	<2	<0.2600	<2	<2
Tetrachloroethene	*0.5*	**5**	<2	2.4 J	<2	2.9 J,B	1.9 J	3.57	4.5	2.43 B
Toluene	*200*	**1000**	<2	<2	0.36 J,B	<2	<2	3.02	1.1 J	0.37 J,B
trans-1,2-Dichloroethene	*20*	**100**	<2	<2	<2	<2	<2	<0.3100	<2	<2
trans-1,3-Dichloropropene	*0.02*	**0.2**	<0.62	<1	<1	<2	<1	<0.6200	<2	<1
Trichloroethene	*0.5*	**5**	*1 J*	*1.2 J*	<2	*1.3 J,B*	*1.5 J*	**6.90**	*2.26*	*1.6 J,B*
Vinyl acetate			<2	<2	<2	<2	<2	<0.2100	<2	<2
Vinyl chloride	*0.02*	**0.2**	**1.3 J**	**1.7 J**	**2.13**	**1.5 J**	**2.67**	<0.0930	**1.5 J**	**1.3 J**
Xylenes, Total	*1000*	**10000**	<6	<6	<6	<6	<6	<6.000	<6	<6
		Total VOCs	5.42	9.05	7.13	17.1	13.72	35.29	18.18	7.13

Notes:
J - Analyte detected below quantitation limits.
B - Analyte detected in the associated method blank.
NS - Not Sampled
ISCO - In-Situ Chemical Oxidation
ISCO Injection activities occurred between 9/1/2009 and 9/3/2009

MW-112
RAA-23
Groundwater Results
Volatile Organic Compounds

PARAMETERS	PAL	ES	Feb-07	May-07	Aug-07	Nov-07	Feb-08	May-08	Aug-08	Nov-08
1,1,1-Trichloroethane	*40*	**200**	<2	<2	<2	<2	<2	<0.3500	<2	<2
1,1,2,2-Tetrachloroethane	*0.02*	**0.2**	<2	<2	<2	<2	<2	<0.2300	<2	<2
1,1,2-Trichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2
1,1-Dichloroethane	*85*	**850**	<2	<2	<2	<2	<2	<0.3200	<2	<2
1,1-Dichloroethene	*0.7*	**7**	<2	<2	<2	<2	<2	<0.7500	<2	<2
1,2,-Dibromo-3-chloropropane	*0.02*	**0.2**	<2	<2	<1	<1	<1	<1.000	<2	<1
1,2-Dibromoethane	*0.005*	**0.05**	<2	<2	<0.17	<0.17	<0.17	<0.1700	<2	<0.17
1,2-Dichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2000	<2	<2
1,2-Dichloropropane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2
1-Butanol			<100	<100	<100	<100	<100	<5.080	<100	<100
2-Butanone (MEK)	*90*	**460**	<20	<20	<20	<20	<20	<10.00	<20	<20
2-Chloroethyl vinyl ether			<10	<10	<10	<10	<10	<1.140	<10	<10
2-Hexane			<20	<20	<20	<20	<20	<1.010	<20	<20
4-Methyl-2-pentanone (MIBK)	*50*	**500**	<20	<20	<20	<20	<20	<2.570	<20	<20
Acetone	*200*	**1000**	<40	<40	<40	6 J,B	<40	<4.280	<40	8 J,B
Acrylonitrile			<20	<20	<20	<20	<20	<3.680	<20	<20
Benzene	*0.5*	**5**	<2	<2	<2	<2	<2	*4.81*	<2	*1.6 J,B*
Bromodichloromethane	*0.06*	**0.6**	<2	<2	<0.27	<0.27	<0.27	<0.2700	<2	<0.27
Bromoform	*0.44*	**4.4**	<2	<2	< 0.25	< 0.25	<0.25	<0.2500	<2	<0.25
Bromomethane	*1*	**10**	<2	<2	<2	<2	<2	<0.2300	<2	<2
Carbon disulfide	*200*	**1000**	<2	<2	<2	<2	<2	<0.4100	<2	3.68
Carbon tetrachloride	*0.5*	**5**	<2	<2	<2	<2	<2	<0.3300	<2	<2
Chlorobenzene	*20*	**100**	<2	<2	<2	<2	<2	<0.1900	<2	<2
Chloroethane	*80*	**400**	<2	<2	<2	<2	<2	<0.5000	<2	<2
Chloroform	*0.6*	**6**	<2	<2	<0.26	<0.26	<0.26	*4.25*	<2	<0.26
Chloromethane	*0.3*	**3**	<2	<2	<2	*0.4 J,B*	*0.38 J*	<0.2600	<2	<2
cis-1,2-Dichloroethene	*7*	**70**	<2	<2	<2	<2	<2	<0.3800	<2	<2
cis-1,3-Dichloropropene	*0.02*	**0.2**	<0.14	<1	<1	<1	<1	<0.1400	<2	<1
Dibromochloromethane	*6*	**60**	<2	<2	<2	<2	<2	<0.2200	<2	<2
Ethylbenzene	*140*	**700**	<2	<2	<2	<2	<2	<0.1500	<2	<2
Methyl tert-butyl ether	*12*	**60**	<2	<2	<2	<2	<2	<0.2400	<2	<2
Methylene chloride	*0.5*	**5**	<2	<2	*0.95 J,B*	<2	*0.62 J*	<0.1980	*0.66 J*	*0.9 J,B*
Styrene	*10*	**100**	<2	<2	<2	<2	<2	<0.2600	<2	<2
Tetrachloroethene	*0.5*	**5**	<2	<5	<2	*0.79 J,B*	<2	<0.4400	<5	*0.91 J,B*
Toluene	*200*	**1000**	<2	<2	0.4 J,B	<2	<2	3.04	1.6 J	0.38 J,B
trans-1,2-Dichloroethene	*20*	**100**	<2	<2	<2	<2	<2	<0.3100	<2	<2
trans-1,3-Dichloropropene	*0.02*	**0.2**	<0.62	<1	<1	<2	<1	<0.6200	<2	<1
Trichloroethene	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2600	*2.78*	<2
Vinyl acetate			<2	<2	<2	<2	<2	<0.2100	<2	<2
Vinyl chloride	*0.02*	**0.2**	<2	<2	<2	<2	<2	<0.0930	<2	<2
Xylenes, Total	*1000*	**10000**	<6	<6	<6	<6	<6	<6.000	<6	<6
		Total VOCs	0	0	1.35	7.19	1	12.1	5.04	15.47

Notes:
J - Analyte detected below quantitation limits.
B - Analyte detected in the associated method blank.
NS - Not Sampled
ISCO - In-Situ Chemical Oxidation
ISCO Injection activities occurred between 9/1/2009 and 9/3/2009

MW-113
RAA #25
Groundwater Results
Volatile Organic Compounds

PARAMETERS	PAL	ES	Feb-07	May-07	Aug-07	Nov-07	Feb-08	May-08	Aug-08	Nov-08	Oct-09	Jan-10	May-10	Sep-10
1,1,1-Trichloroethane	40	**200**	<2	<2	<2	<2	<2	<0.3500	<2	<2	<2	<2	<2	<2
1,1,2,2-Tetrachloroethane	0.02	**0.2**	<2	<2	<2	<2	<2	<0.2300	<2	<2	<2	<2	<2	<2
1,1,2-Trichloroethane	0.5	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2
1,1-Dichloroethane	85	**850**	<2	<2	<2	<2	<2	<0.3200	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	0.7	**7**	<2	<2	<2	<2	<2	<0.7500	<2	<2	<2	<2	<2	<2
1,2,-Dibromo-3-chloropropane	0.02	**0.2**	<2	<2	<1	<2	<1	<1.000	<2	<1	<2	<2	<1	<2
1,2-Dibromoethane	0.005	**0.05**	<2	<2	<0.17	<2	<0.17	<0.1700	<2	<0.17	<2	<2	<0.26	<2
1,2-Dichloroethane	0.5	**5**	<2	<2	<2	<2	<2	<0.2000	<2	<2	<2	<2	<2	<2
1,2-Dichloropropane	0.5	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2
1-Butanol			<100	<100	<100	<100	<100	<5.080	<100	<100	<100	<100	<100	<100
2-Butanone (MEK)	90	**460**	<20	<20	<20	<20	<20	<10.00	<20	<20	<20	<20	14 J	<20
2-Chloroethyl vinyl ether			<10	<10	<10	<10	<10	<1.140	<10	<10	<10	<10	<10	<10
2-Hexane			<20	<20	<20	<20	<20	<1.010	<20	<20	<20	<20	<20	<20
4-Methyl-2-pentanone (MIBK)	50	**500**	<20	<20	<20	7.1 J	<20	<2.570	<20	<20	<20	<20	<20	<20
Acetone	200	**1000**	39 J	42.1	51.2	279 B	<40	215	192	62.1	<40	25 J	52.4 B	<40
Acrylonitrile			<20	<20	<20	<20	<20	<3.680	<20	<20	<20	<20	<20	<20
Benzene	0.5	**5**	<2	<2	<2	0.4 J,B	<2	4.94	<2	2.21 B	0.23 J	< 2	0.38 J	< 2
Bromodichloromethane	0.06	**0.6**	<2	<2	<0.27	<2	<0.27	<0.2700	<2	<0.27	<2	<2	<0.2	<2
Bromoform	0.44	**4.4**	<2	<2	< 0.25	<2	<0.25	<0.2500	<2	< 0.25	< 2	< 2	< 0.67	< 2
Bromomethane	1	**10**	**11.3**	<2	<2	<2	<2	<0.2300	<2	<2	<2	<2	<2	<2
Carbon disulfide	200	**1000**	0.57 J	<2	<2	<2	<2	<0.4100	<2	<2	<2	<2	<2	<2
Carbon tetrachloride	0.5	**5**	<2	<2	<2	<2	<2	<0.3300	<2	<2	<2	<2	<2	<2
Chlorobenzene	20	**100**	<2	<2	<2	<2	<2	<0.1900	<2	<2	<2	<2	<2	<2
Chloroethane	80	**400**	<2	<2	<2	<2	<2	<0.5000	<2	<2	<2	<2	<2	<2
Chloroform	0.6	**6**	<2	<2	<0.26	<0.26	<0.26	4.22	<2	<0.26	<2	<2	<2	<2
Chloromethane	0.3	**3**	<2	**5.01**	<2	2.54 B	2.56	**6.28**	1.1 J	1.3 J,B	1.3 J	0.72 J	0.85 J,B	0.41 J
cis-1,2-Dichloroethene	7	**70**	3.81	4.7	2.73	4.64	3.21	8.76	4.01	5.59	4.46	4.02	7.6	0.66 J
cis-1,3-Dichloropropene	0.02	**0.2**	<0.14	<1	<1	<2	<1	<0.1400	<2	<1	<2	<2	<1	<2
Dibromochloromethane	6	**60**	<2	<2	<2	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2
Ethylbenzene	140	**700**	<2	<2	<2	0.43 J,B	<2	3.70	0.32 J	0.27 J,B	<2	<2	<2	<2
Methyl tert-butyl ether	12	**60**	<2	<2	<2	<2	<2	<0.2400	<2	<2	<2	<2	<2	<2
Methylene chloride	0.5	**5**	<2	<2	0.82 J,B	<2	0.77 J	<0.1980	<2	0.62 J,B	0.63 J	<2	0.7 J,B	<2
Styrene	10	**100**	<2	<2	<2	<2	<2	<0.2600	<2	<2	<2	<2	<2	<2
Tetrachloroethene	0.5	**5**	0.52 J	2 J	<2	4.98 B	0.57 J	4.66	3.53	3.57 B	2.59 B	3.22 B	3.95	<2
Toluene	200	**1000**	<2	<2	0.4 J,B	0.61 J,B	<2	3.01	0.83 J	0.54 J,B	<2	0.45 JB	4.15	<2
trans-1,2-Dichloroethene	20	**100**	<2	<2	<2	<2	<2	<0.3100	<2	0.48 J	<2	<2	0.66 J	<2
trans-1,3-Dichloropropene	0.02	**0.2**	<0.62	<1	<1	<2	<1	<0.6200	<2	<1	<2	<2	<1	<2
Trichloroethene	0.5	**5**	0.65 J	0.7 J	<2	1.2 J,B	0.63 J	**6.57**	0.83 J	1.2 J,B	1 J	1.2 J	1.3 J	<2
Vinyl acetate			<2	<2	<2	<2	<2	<0.2100	<2	<2	<2	<2	<2	<2
Vinyl chloride	0.02	**0.2**	<2	<2	**4.29**	**10.9**	**8.37**	<0.0930	**3.65**	**8.58**	**4.79**	**4.98**	**4.02**	**0.64 J**
Xylenes, Total	1000	**10000**	<6	<6	<6	<6	<6	9.780	0.61 J	0.6 J,B	<6	<6	<6	<6
		Total VOCs	55.85	54.51	59.44	311.8	16.11	266.92	206.88	87.06	15	39.59	90.01	1.71

Notes:
J - Analyte detected below quantitation limits.
B - Analyte detected in the associated method blank.
NS - Not Sampled

MW-114
RAA #24
Groundwater Results
Volatile Organic Compounds

PARAMETERS	PAL	ES	Feb-07	May-07	Aug-07	Nov-07	Feb-08	May-08	Aug-08	Nov-08
1,1,1-Trichloroethane	*40*	**200**	<2	<2	<2	<2	<2	<0.3500	<2	<2
1,1,2,2-Tetrachloroethane	*0.02*	**0.2**	<2	<2	<2	<2	<2	<0.2300	<2	<2
1,1,2-Trichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2
1,1-Dichloroethane	*85*	**850**	<2	<2	<2	<2	<2	<0.3200	<2	<2
1,1-Dichloroethene	*0.7*	**7**	<2	<2	<2	<2	<2	<0.7500	<2	<2
1,2,-Dibromo-3-chloropropane	*0.02*	**0.2**	<2	<2	<1	<2	<1	<1.000	<2	<1
1,2-Dibromoethane	*0.005*	**0.05**	<2	<2	<0.17	<2	<0.17	<0.1700	<2	<0.17
1,2-Dichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2000	<2	<2
1,2-Dichloropropane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2
1-Butanol			<100	<100	<100	<100	<100	<5.080	<100	<100
2-Butanone (MEK)	*90*	**460**	<20	<20	<20	<20	<20	<10.00	<20	<20
2-Chloroethyl vinyl ether			<10	<10	<10	<10	<10	<1.140	<10	<10
2-Hexane			<20	<20	<20	<20	<20	<1.010	<20	<20
4-Methyl-2-pentanone (MIBK)	*50*	**500**	<20	<20	<20	<20	<20	<2.570	<20	<20
Acetone	*200*	**1000**	<40	<40	12 J,B	6.2 J,B	<40	<4.280	<40	6.1
Acrylonitrile			<20	<20	<20	<20	<20	<3.680	<20	<20
Benzene	*0.5*	**5**	<2	<2	<2	<2	<2	*4.81*	<2	*3.78*
Bromodichloromethane	*0.06*	**0.6**	<2	<2	<0.27	<2	<0.27	<0.2700	<2	<0.27
Bromoform	*0.44*	**4.4**	<2	<2	< 0.25	<2	<0.25	<0.2500	<2	< 0.25
Bromomethane	*1*	**10**	<2	<2	<2	<2	<2	<0.2300	<2	<2
Carbon disulfide	*200*	**1000**	<2	<2	<2	<2	<2	<0.4100	<2	<2
Carbon tetrachloride	*0.5*	**5**	<2	<2	<2	<2	<2	<0.3300	<2	<2
Chlorobenzene	*20*	**100**	<2	<2	<2	<2	<2	<0.1900	<2	<2
Chloroethane	*80*	**400**	<2	<2	<2	<2	<2	<0.5000	<2	<2
Chloroform	*0.6*	**6**	<2	<2	<0.26	<2	<0.26	*4.16*	<2	<0.26
Chloromethane	*0.3*	**3**	<2	<2	<2	*0.37 J,B*	*0.31 J*	**3.11**	*0.6 J*	<2
cis-1,2-Dichloroethene	*7*	**70**	<2	<2	<2	<2	<2	<0.3800	<2	<2
cis-1,3-Dichloropropene	*0.02*	**0.2**	<0.14	<1	<1	<2	<1	<0.1400	<2	<1
Dibromochloromethane	*6*	**60**	<2	<2	<2	<2	<2	<0.2200	<2	<2
Ethylbenzene	*140*	**700**	<2	<2	<2	<2	<2	<0.1500	0.33 J	0.23 JB
Methyl tert-butyl ether	*12*	**60**	<2	<2	<2	<2	<2	<0.2400	<2	<2
Methylene chloride	*0.5*	**5**	<2	<2	*1.5 J,B*	<2	<2	<0.1980	<2	*0.71 JB*
Styrene	*10*	**100**	<2	<2	<2	<2	<2	<0.2600	<2	<2
Tetrachloroethene	*0.5*	**5**	<2	<5	<2	*0.92 J,B*	<2	*2.31*	<5	*0.95 JB*
Toluene	*200*	**1000**	<2	<2	0.54 J,B	<2	<2	2.94	2 J	0.47 JB
trans-1,2-Dichloroethene	*20*	**100**	<2	<2	<2	<2	<2	<0.3100	<2	<2
trans-1,3-Dichloropropene	*0.02*	**0.2**	<0.62	<1	<1	<2	<1	<0.6200	<2	<1
Trichloroethene	*0.5*	**5**	<2	<2	<2	0.3 J,B	<2	<0.2600	<2	<2
Vinyl acetate			<2	<2	<2	<2	<2	<0.2100	<2	<2
Vinyl chloride	*0.02*	**0.2**	<2	<2	<2	<2	<2	<0.0930	<2	<2
Xylenes, Total	*1000*	**10000**	<6	<6	<6	<6	<6	6.21	0.72 J	<6
		Total VOCs	0	0	14.04	7.79	0.31	23.54	3.65	12.24

Notes:
J - Analyte detected below quantitation limits.
B - Analyte detected in the associated method blank.
NS - Not Sampled
ISCO - In-Situ Chemical Oxidation
ISCO Injection activities occurred between 9/1/2009 and 9/3/2009

MW-115
RAA #25
Groundwater Results
Volatile Organic Compounds

PARAMETERS	PAL	ES	Feb-07	May-07	Aug-07	Nov-07	Feb-08	May-08	Aug-08	Nov-08	Oct-09	Jan-10	May-10	Sep-10
1,1,1-Trichloroethane	*40*	**200**	<2	<2	<2	<2	<2	<0.3500	<2	<2	<2	<2	<2	<2
1,1,2,2-Tetrachloroethane	*0.02*	**0.2**	<2	<2	<2	<2	<2	<0.2300	<2	<2	<2	<2	<2	<2
1,1,2-Trichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2
1,1-Dichloroethane	*85*	**850**	<2	<2	<2	<2	<2	<0.3200	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	*0.7*	**7**	<2	<2	<2	<2	<2	<0.7500	<2	<2	<2	<2	<2	<2
1,2,-Dibromo-3-chloropropane	*0.02*	**0.2**	<2	<2	<1	<2	<1	<1.000	<2	<1	<2	<2	<1	<2
1,2-Dibromoethane	*0.005*	**0.05**	<2	<2	<0.17	<2	<0.17	<0.1700	<2	<0.17	<2	<2	<0.26	<2
1,2-Dichloroethane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2000	<2	<2	<2	<2	<2	<2
1,2-Dichloropropane	*0.5*	**5**	<2	<2	<2	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2
1-Butanol			<100	<100	<100	<100	134	<5.080	<100	<100	<100	<100	<100	<100
2-Butanone (MEK)	*90*	**460**	<20	<20	<20	<20	<20	<10.00	<20	<20	<20	<20	<20	<20
2-Chloroethyl vinyl ether			<10	<10	<10	<10	<10	<1.140	<10	<10	<10	<10	<10	<10
2-Hexane			<20	<20	<20	<20	<20	<1.010	<20	<20	<20	<20	<20	<20
4-Methyl-2-pentanone (MIBK)	*50*	**500**	<20	<20	<20	<20	<20	<2.570	<20	<20	<20	<20	<20	<20
Acetone	*200*	**1000**	<40	<40	13 J,B	<40	<40	5.23	<40	4.9 J,B	<40	<40	10 J,B	<40
Acrylonitrile			<20	<20	<20	<20	<20	<3.680	<20	<20	<20	<20	<20	<20
Benzene	*0.5*	**5**	<2	<2	<2	<2	<2	*4.80*	<2	*2.69*	<2	<2	<2	<2
Bromodichloromethane	*0.06*	**0.6**	<2	<2	<0.27	<2	<0.27	<0.2700	<2	<0.27	<2	<2	<0.2	<2
Bromoform	*0.44*	**4.4**	<2	<2	< 0.25	<2	<0.25	<0.2500	<2	< 0.25	<2	<2	< 0.67	<2
Bromomethane	*1*	**10**	<2	<2	<2	<2	<2	<0.2300	<2	<2	<2	<2	<2	<2
Carbon disulfide	*200*	**1000**	<2	<2	<2	<2	<2	<0.4100	<2	<2	<2	<2	<2	<2
Carbon tetrachloride	*0.5*	**5**	<2	<2	<2	<2	<2	<0.3300	<2	<2	<2	<2	<2	<2
Chlorobenzene	*20*	**100**	<2	<2	<2	<2	<2	<0.1900	<2	<2	<2	<2	<2	<2
Chloroethane	*80*	**400**	<2	<2	<2	<2	<2	<0.5000	<2	<2	<2	<2	<2	<2
Chloroform	*0.6*	**6**	<2	<2	<0.26	<2	<0.26	*4.18*	<2	<0.26	<2	<2	<2	0.24 J,B
Chloromethane	*0.3*	**3**	<2	<2	<2	0.27 J,B	*0.36 J*	**3.08**	<2	<2	<2	<2	<2	<2
cis-1,2-Dichloroethene	*7*	**70**	**141**	**104**	**101**	**152**	**107**	**159**	**187**	**210**	**163**	**147**	**178**	**188**
cis-1,3-Dichloropropene	*0.02*	**0.2**	<0.14	<1	<1	<2	<1	<0.1400	<2	<1	<2	<2	<1	<2
Dibromochloromethane	*6*	**60**	<2	<2	<2	<2	<2	<0.2200	<2	<2	<2	<2	<2	<2
Ethylbenzene	*140*	**700**	<2	<2	<2	0.43 J,B	<2	<0.1500	<2	<2	<2	<2	<2	<2
Methyl tert-butyl ether	*12*	**60**	<2	<2	<2	<2	<2	<0.2400	<2	<2	<2	<2	<2	<2
Methylene chloride	*0.5*	**5**	<2	<2	*1.4 J,B*	<2	*0.65 J*	<0.1980	<2	*0.68 J,B*	0.36 J	<2	*0.57 J,B*	0.34 J
Styrene	*10*	**100**	<2	<2	<2	<2	<2	<0.2600	<2	<2	<2	<2	<2	<2
Tetrachloroethene	*0.5*	**5**	*2.65*	*2 J*	*3.18*	*4.98 B*	*1.5 J*	*4.76*	**6.21**	*4.6 B*	*4.43 B*	**7.26**	**5.66**	**5.12**
Toluene	*200*	**1000**	<2	<2	0.42 J,B	0.5 J,B	<2	2.92	0.32 J	0.42 J,B	<2	0.34 JB	1.9 JB	<2
trans-1,2-Dichloroethene	*20*	**100**	9.65	7.9	8.56	9.95	7.14	<0.3100	15.2	17.4	16.8	12.7	18.3 J	16.4
trans-1,3-Dichloropropene	*0.02*	**0.2**	<0.62	<1	<1	<2	<1	<0.6200	<2	<1	<2	<2	<1	<2
Trichloroethene	*0.5*	**5**	**13.4**	**10**	**10.9**	**15.8**	**10.4**	**20.0**	**18**	**20.4**	**22.3**	**23.7**	**22.8 J**	**23.8**
Vinyl acetate			<2	<2	<2	<2	<2	<0.2100	<2	<2	<2	<2	<2	<2
Vinyl chloride	*0.02*	**0.2**	**3.27**	**1.8 J**	**1.8 J**	**1 J**	**0.56 J**	**1.87**	**0.75 J**	**0.47 J**	**2.87 J**	<2	**0.72 J**	**1.1 J**
Xylenes, Total	*1000*	**10000**	<6	<6	<6	<6	<6	6.21	<6	<6	<6	<6	<6	<6
		Total VOCs	169.97	125.7	140.26	184.93	261.61	212.05	227.48	261.56	209.76	191	237.95	235

Notes:
J - Analyte detected below quantitation limits.
B - Analyte detected in the associated method blank.
NS - Not Sampled

Post-Remediation
Static Groundwater Elevations

Former MacWhyte Wire Rope Company
Kenosha, Wisconsin

Well ID	Top of Well Casing Elevation (MSL)	Ground Surface Elevation (MSL)	Top of Well Screen Elevation (MSL)	Bottom of Well Screen Elevation (MSL)	Groundwater Elevation (MSL) February-07	Groundwater Elevation (MSL) May - 07	Groundwater Elevation (MSL) August-07	Groundwater Elevation (MSL) November-2007	Groundwater Elevation (MSL) February-08	Groundwater Elevation (MSL) May-08	Groundwater Elevation (MSL) August-08	Groundwater Elevation (MSL) November-08	Groundwater Elevation (MSL) October-09	Groundwater Elevation (MSL) January-10	Groundwater Elevation (MSL) May-10	Groundwater Elevation (MSL) September-10	Groundwater Elevation (MSL) December-10	Groundwater Elevation (MSL) April-11
MW-2	618.47	618.64	617.44	612.44	614.71	614.92	616.43	613.49	614.79	615.06	613.74	613.37	613.18	--	614.83	613.74	--	615.52
MW-33	617.95	618.00	614.84	609.84	613.29	613.73	614.73	612.36	613.40	613.71	612.57	612.34	611.99	613.60	613.55	612.56	--	617.95
MW-73	616.02	616.09	613.77	608.77	612.04	612.70	614.47	612.01	612.12	612.76	611.88	612.70	612.66	612.03	612.62	612.79	--	615.42
MW-74	614.29	614.52	612.14	607.14	610.07	612.19	612.40	610.81	610.42	611.28	610.96	610.84	611.17	610.44	611.61	609.60	--	613.69
MW-75	613.12	613.10	611.12	606.12	608.00	608.28	608.39	Abandoned										
MW-82	620.76	616.98	612.57	607.87	612.33	612.57	613.57	611.80	--	612.68	611.87	611.95	611.52	612.53	612.60	611.88	--	616.82
MW-96	620.76	NA	614.86	609.86	614.10	614.43	616.14	613.48	614.35	614.62	613.60	613.73	613.25	614.53	614.49	613.64	612.67	617.64
MW-97	620.44	NA	612.77	602.77	614.19	614.64	615.87	613.30	614.36	614.60	613.35	613.32	612.82	614.54	614.33	613.27	612.32	617.74
MW-98	619.82	NA	612.00	602.00	612.81	613.39	614.41	612.08	612.99	613.29	612.28	612.20	611.84	613.30	613.23	612.32	611.51	616.40
MW-99	619.38	NA	611.39	601.39	611.91	612.48	612.98	611.22	611.99	612.28	611.42	611.22	610.98	612.12	612.07	611.29	610.69	615.37
MW-100	618.36	NA	610.90	600.90	611.11	611.70	611.90	610.64	611.32	611.57	610.86	610.78	610.59	611.55	611.68	610.96	610.34	613.74
MW-101	618.84	NA	611.33	601.33	610.72	611.39	611.54	610.02	610.93	611.25	610.34	610.14	609.84	611.14	611.22	610.34	609.35	613.54
MW-102	617.58	NA	610.56	600.56	610.15	610.61	610.92	609.64	610.39	610.76	--	608.91	608.61	609.66	609.78	609.02	609.03	Damaged
MW-103	618.45	NA	609.75	599.75	611.95	613.01	614.04	610.93	612.49	612.69	609.67	611.23	610.72	612.66	612.59	610.58	610.10	615.23
MW-104	619.23	NA	612.02	602.02	611.90	612.93	613.53	610.85	612.34	612.72	610.91	611.06	610.65	612.65	612.60	610.89	610.01	614.80
MW-105	619.57	NA	613.07	603.07	611.84	612.81	613.33	610.86	612.25	612.61	610.97	611.01	610.63	612.54	612.52	610.95	609.98	614.53
MW-106	519.63	NA	612.38	602.38	611.04	611.72	611.89	610.15	611.24	611.63	610.48	610.24	609.96	611.50	611.58	610.45	609.37	613.85
MW-107	617.80	NA	609.97	599.97	611.38	611.80	612.38	610.64	611.85	612.00	610.30	610.68	610.11	611.83	611.70	610.31	609.35	612.54
MW-108	616.18	NA	608.37	598.37	609.76	611.69	611.37	609.10	610.21	611.05	608.97	610.45	608.91	611.21	610.92	609.22	607.51	Abandoned
MW-109	616.47	NA	608.36	598.36	610.03	610.95	611.66	609.66	610.67	610.53	609.49	610.72	609.37	611.45	611.34	609.68	607.57	613.01
MW-110	616.22	NA	608.48	598.48	601.88	610.19	611.29	609.84	610.10	610.54	610.01	610.23	609.78	611.21	610.67	610.14	608.18	611.79
MW-111	616.18	NA	608.74	598.74	610.98	611.56	612.51	610.36	611.54	611.79	609.83	610.76	610.24	611.45	611.59	609.86	608.76	611.93
MW-112	618.30	NA	610.32	600.32	612.45	613.34	613.14	611.09	611.70	612.95	610.72	612.28	611.49	610.55	612.35	610.27	610.05	614.54
MW-113	617.65	NA	609.75	599.75	611.63	612.85	613.03	610.80	611.29	612.35	610.71	612.25	611.63	611.85	612.20	610.30	609.79	614.22
MW-114	616.43	NA	607.67	597.67	601.53	609.92	611.09	609.73	608.55	609.49	610.24	610.01	609.91	609.34	609.47	610.01	Damaged	
MW-115	619.02	NA	610.01	600.01	612.15	612.64	612.87	610.67	612.07	613.28	611.50	611.55	610.77	612.65	613.11	611.08	609.50	614.93

NOTES: MW-96 through MW-115 top of casing elevations based on surveying conducted after soil excavation activities on April 5, 2007. Survey conducted by Edgewood Engineering Group. Groundsurface elevations are not available due to site construction activities periodically changing the site grades.

(1) = Top of casing elevation based on surveying conducted during the RI, and onsite/offsite investigations by Marescalco Countrywide Surveying, Inc.

NA = Not Available

MSL = Feet above Mean Sean Level

-- = Water Level was not measured

RIGHT-OF-WAY | SOURCE PROPERTY

ELM Investments LLC

60 State St., Suite 201
Peoria, Illinois 61602
Telephone: (309) 673-7648
Fax: (309) 673-7768

May 13, 2011

Ronald Bursek
Director of Public Works
City of Kenosha
625 52nd Street, Room 302
Kenosha, Wisconsin 53140

Re: Notification of Residual Contamination on the Property and in the Utility Right-of-Way
Former MacWhyte Wire Rope Co.
2906 14th Ave.
Kenosha, WI 53140
FID #: 230189080
WDNR BRRTS # 02-30-230967

Dear Mr. Bursek,

Residual soil and dissolved groundwater contamination remain on the property and within the 14th Avenue utility right-of-way currently owned by the City of Kenosha and located at **2906 14th Avenue**. As the owner of the property, the City of Kenosha (Owner) will be responsible for continuing obligations related to the existing residual soil and groundwater contamination remaining at the property and within the 14th Avenue right-of-way, upon approval of case closure by the Wisconsin Department of Natural Resources.

ELM Consulting LLC, on behalf of ELM Investments, LLC, has remediated the soil contamination via removal and disposal of all soils exceeding the Site Specific Residual Contaminant Level (SSRCL) that pose a human health risk by direct contact. Soil contamination exceeding the SSRCL; specifically, tetrachloroethylene (PCE), trichloroethylene (TCE), lead and chromium remains at various locations within the Site boundaries. The soil contamination has been remediated by removal and disposal of all soils exceeding the SSRCL that pose a human health risk by direct contact. The residual contaminated soils containing levels of PCE, TCE, lead and chromium exceeding the SSRCL are located at least two (2) feet below the existing Site grade which provides a barrier to human contact during the normal planned use for the Site. The residual soils exceeding the SSRCL can only be accessed by someone intentionally excavating or digging. The City of Kenosha must notify anyone planning to excavate an area within the Site boundaries ofresidual soil contamination to allow such individuals to take appropriate precautionary measures for worker safety.

The levels of PCE, TCE, cis 1,2-dichloroethylene (cis 1,2-DCE) and vinyl chloride contamination in the groundwater on the Site and within the 14th Avenue utility right-of-way remain above the state groundwater enforcement standards found in chapter NR 140, Wisconsin Administrative Code. ELM Consulting, LLC has investigated the groundwater contamination and demonstrated to the Wisconsin Department of Natural Resources that the

remaining groundwater contaminant plumes are stable or receding and will continue to naturally degrade over time. Natural attenuation provides an adequate cleanup mechanism that satisfies requirements for case closure contained in chapter NR 726 and chapter NR 746 Wisconsin Administrative Code. ELM Investments, LLC will be requesting that the Wisconsin Department of Natural Resources accept natural attenuation as the final remedy for this site and grant case closure. Closure means that the Wisconsin Department of Natural Resources will not be requiring any further investigation or cleanup action to be taken, other than the reliance on natural attenuation and the institutional controls described herein.

Case closure granted by the Wisconsin Department of Natural Resources will denote completion of ELM Investments, LLC obligations for "Remediation of the Pre-existing Pollution Conditions to achieve Baseline Remediation and Project Completion". Any undocumented soil or groundwater contamination discovered at the Site will be deemed "New Pollution" and the sole responsibility of the City of Kenosha.

If case closure is granted, all closed parcels within the Site boundaries where groundwater contamination exceeds chapter NR 140 groundwater enforcement standards will be listed on the Wisconsin Department of Natural Resources' 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 above chapter NR 140 enforcement standards was found at the time that the case was closed. This GIS Registry will be available to the general public on the Wisconsin Department of Natural Resources' internet web site. Please review the enclosed legal description of your property, and notify me within the next 30 days if the legal description requires modification.

You or any subsequent property owner may not construct a groundwater well for any purpose on the Site, and must connect to the public water supply system to meet Site demands for water.

Engineered barriers (caps) were constructed over areas with residual soil contamination to eliminate the direct contact exposure pathway and create infiltration barriers that minimize surface water infiltration through residual contaminated soils. Since engineered caps were used to remediate the soils, an *Engineered Cap Maintenance Plan* (ECMP) is required by the Wisconsin Department of Natural Resources as part of the case closure. The *Engineered Cap Maintenance Plan* identifies the locations of the engineered barriers and the future maintenance, notification and inspection requirements associated with the engineered barriers. The City of Kenosha will be responsible for the engineered barrier requirements after case closure is granted, including annual inspections, as outlined in the *Engineered Cap Maintenance Plan*. A copy of the *Engineered Cap Maintenance Plan* will be provided to the City of Kenosha – Department of Public Works for review and comment prior to submittal of the case closure request to the Department of Natural Resources.

Once the Wisconsin Department of Natural Resources makes a decision on the case closure request, the decision will be documented in a letter to ELM Investments, LLC. If the Wisconsin

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Department of Natural Resources grants case closure, a copy of the case closure letter will be provided to the City of Kenosha. At any time, the City of Kenosha may obtain a copy of this letter by writing to the Wisconsin Department of Natural Resources – Bureau of Remediation and Redevelopment or by accessing the Wisconsin Department of Natural Resources GIS Registry of Closed Remediation Sites on the internet at www.dnr.state.wi.us/org/at/et/geo/gwur. A copy of the closure letter is included as part of the site file on the GIS Registry of Closed Remediation Sites.

If you need more information, you may contact Brian Berner at 414-225-9604 at ELM Consulting, LLC or bberner@elmmllc.com or you may contact Shanna Laube-Anderson at the Wisconsin Department of Natural Resources at (262) 884-2341 or Shanna.LaubeAnderson@wisconsin.gov.

Sincerely,

Lee C Graves

ELM Investments, LLC
Lee C. Graves
President and CEO

Cc: Shelly Billingsley, P.E. (Assistant City Engineer)
Michael Lemens, P.E. (City Engineer)
Brian Berner, PM (ELM Consulting, LLC)

Enclosure – Parcel Legal Descriptions

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SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Ronald Bursek
Director of Public Works
City of Kenosha
625 52nd St. Room 302
Kenosha, WI 53140

COMPLETE THIS SECTION ON DELIVERY

A. Signature
x [illegible] ☒ Agent ☐ Addressee

B. Received by *(Printed Name)*

C. Date of Delivery 5-16-11

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☒ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number *(Transfer from service label)* 7010 3090 0000 6334 2932

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540