GIS REGISTRY
Cover Sheet

March, 2010
(RR 5367)

Source Property Information

CLOSURE DATE: Mar 1, 2010

BRRTS #: **02-41-520943**

FID #: 241357710

ACTIVITY NAME: 225 W CAPITOL DR

DATCP #:

PROPERTY ADDRESS: 225 W CAPITOL DR

COMM #:

MUNICIPALITY: Milwaukee

PARCEL ID #: 273-1971-000-6

***WTM COORDINATES:**

X: **689876** Y: **292795**

** 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*

State of Wisconsin Department of Natural Resources http://dnr.wi.gov	**GIS Registry Checklist** Form 4400-245 (R 4/08) Page 1 of 3

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

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

BRRTS #: 02-41-547756 PARCEL ID #: 273-1971-000-6

ACTIVITY NAME: 02-41-520943 WTM COORDINATES: X: ~~689876~~ 689919 Y: ~~292795~~ 292759

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.)*
- [x] **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 #: CSM #7763 Title: Recorded Certified Survey 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 8.5 x 14 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 Plan 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 #: Title: See attached page

BRRTS #: 02-41-520943 / 02-41-547765 ACTIVITY NAME: 225 W Capitol Dr. & Former 3901 N 2nd St.-North Half

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 #: **Title: See attached page**

Figure #: **Title:**

☒ **Groundwater Isoconcentration Map:** For sites closing with residual groundwater contamination, this map shows the horizontal extent of all groundwater contamination exceeding a ch. NR140 Preventive Action Limit (PAL) and an Enforcement Standard (ES). Indicate the direction and date of groundwater flow, based on the most recent sampling data.
Note: *This is intended to show the total area of contaminated groundwater.*

Figure #: 5 **Title: Groundwater Quality 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 #: 5 **Title: Groundwater Contour Map (11-14-08)**

Figure #: **Title:**

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

Tables must be no larger than 8.5 x 14 inches unless the table is submitted electronically. Tables must not contain shading and/or cross-hatching. The use of **BOLD** or *ITALICS* is acceptable.

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

Table #: **Title: See attached page**

☒ **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 #: **Title: See attached page**

☒ **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: See attached page**

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 #: 2 **Title: Site Plan Map**

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

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

☒ **Notification Letter:** Copy of the notification letter to the affected property owner(s).
N/A

BRRTS #: 02-41-520943 / 02-41-547765 ACTIVITY NAME: 225 W Capitol Dr. & Former 3901 N 2nd St.-North Half

NOTIFICATIONS

Source Property

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

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

Off-Source Property

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

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

Number of "Off-Source" Letters: One

☒ **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: One

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

Impacted Off-Source Property Information

Form 4400-246 (R 3/08)

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

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

BRRTS #: 02-41-547756

ACTIVITY NAME: Great Lake Fabrication

ID	Off-Source Property Address	Parcel Number	WTM X	WTM Y
A	201 W. Capitol Drive	273-1941-000	689933	292788
B				
C				
D				
E				
F				
G				
H				
I				

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

WISCONSIN
DEPT. OF NATURAL RESOURCES

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

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

March 1, 2010

Mr. Chuck Biller
Capitol Crossing, LLC c/o Williams Development Corp.
648 N. Plankinton Ave. #418
Milwaukee, WI 53203

SUBJECT: Final Case Closure with Continuing Obligations
225 W. Capitol Dr site and former Great Lake Fabrication site
225 W. Capitol Drive, including former 3901 N. 2nd Street (North Half), Milwaukee, WI
WDNR BRRTS Activity #: 02-41-520943 and 02-41-547756
FID# 241558680 and 241357710

Dear Mr. Biller:

On April 7, 2009, the Department's 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. On April 24, 2009 your consultant was notified that the additional information was required to complete the closure review for this case. Your consultant provided the requested information in May 2009. On December 11, 2009, you were notified that the Department had granted conditional closure to this case, based on the need to abandon the monitoring wells.

On December 18, 2009, the Department received the required monitoring well abandonment documentation, indicating that you have complied with the requirements for final closure.

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

GIS Registry

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

- Residual soil contamination exists that must be properly managed should it be excavated or removed.
- Pavement, an engineered cover or a soil barrier must be maintained over contaminated soil and the state must approve any changes to this barrier.
- Passive soil vapor barrier system under the new building addition at 225 W. Capitol Drive must be maintained, and the state must approve any changes to this system.
- Groundwater contamination is present above Chapter NR 140 enforcement standards.
- One or more monitoring wells were not located and must be properly abandoned if found.

This letter and information that was submitted with your closure request application will be included on the GIS Registry. To review the sites on the GIS Registry web page, visit the RR Sites Map page at http://dnr.wi.gov/org/aw/rr/gis/index.htm. If the property is listed on the GIS Registry because of remaining contamination and you intend to construct or reconstruct a well, you will need prior Department approval in accordance with s. NR 812.09(4)(w), Wis. Adm. Code. To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line http://dnr.wi.gov/org/water/dwg/3300254.pdf or at the web address listed above for the GIS Registry.

Closure Conditions

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

Cover or Barrier: Pursuant to s. 292.12(2)(a), Wis. Stats., the pavement, building or other impervious cap, and smaller areas of soil cover that currently exists in the location shown on the **attached maps** 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. The passive soil vapor barrier under the new addition to the building at 225 W. Capitol Drive and the landscaped area to the west of the building must be maintained to prevent vapor intrusion.

If soil is excavated from the site 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.

Residual Groundwater Contamination: Groundwater impacted by tetrachloroethylene and carbon tetrachloride contamination greater than enforcement standards set forth in ch. NR140, Wis. Adm. Code, is present on the 225 W. Capitol Drive parcel and tetrachloroethylene and cis-1,2-dichloroethylene contamination greater than enforcement standards set forth in ch. NR140, Wis. Adm. Code, is present on the 3901 N. 2nd Street (North Half) parcel. For more detailed information regarding the locations where groundwater samples have been collected (i.e., monitoring well locations) and the associated contaminant concentrations, refer to the Remediation and Redevelopment Program's GIS Registry at the RR Sites Map page at http://dnr.wi.gov/org/aw/rr/gis/index.htm.

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

Monitoring Wells that could not be Properly Abandoned: On February 19, 2009, your consultant, The Sigma Group, notified the Department that monitoring wells SMW-2, SMW-3 and PZ-1, located on the 225 W. Capitol Drive parcel and depicted on the attached map, could not be properly abandoned because they were missing due to being paved over, covered or removed during site development activities. Your consultant has made a reasonable effort to locate the wells depicted on the attached map and to determine whether they were properly abandoned but has been unsuccessful in those efforts. You need to understand that in the future you may be held liable for any problems associated with monitoring wells SMW-2, SMW-3 and PZ-1, if they create a conduit for contaminants to enter groundwater. If in the future any of the groundwater monitoring wells are found, the then current owner of the property on which the well is located will be required to notify the Department, to properly abandon the wells in compliance with the requirements in ch. NR 141, Wis. Adm. Code, and to submit the required documentation of that abandonment to the Department.

Dewatering Permits

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

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

Post-Closure Notification Requirements

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

- Disturbance, construction on, change or removal in whole or part of pavement, an engineered cover or a soil barrier that must be maintained over contaminated soil
- Discontinuing operation and maintenance or changes to the passive soil vapor mitigation barrier
- One or more monitoring wells that were not located is found and properly abandoned

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

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 Pamela Mylotta at (414) 263-8758.

Sincerely,

James A. Schmidt, Team Supervisor
Southeast Region Remediation & Redevelopment Program

Attachments:
- Soil contamination maps
- Engineered Barrier Operation and Maintenance plan
- WDNR Continuing Obligations Letter to JP Morgan Chase for 201 W. Capitol Drive property

cc: Adam Roder – The Sigma Group (electronic)
Bill Lauenstein – JP Morgan Chase

ENGINEERED BARRIER OPERATION AND MAINTENANCE PLAN
MAY 2009

225 WEST CAPITOL DRIVE, MILWAUKEE, WI – BRRTS #02-41-520943
FORMER 3901 N. 2ND STREET – NORTH HALF, MILWAUKEE, WI – BRRTS #02-41-547756

This Engineered Barrier Operation and Maintenance Plan ("Plan") is designed to prevent direct contact with residual soil impacts that exceed Wisconsin Department of Natural Resources (WDNR) direct contact soil cleanup standards. As shown on the attached "Engineered Barrier Map", the impacted soils are to be covered with concrete building floor slabs, concrete sidewalks, asphalt pavement, and a soil (clay and topsoil) cover system in green space areas. Additionally, the building subgrade/floor slab system for the "Building Addition" area serves as a vapor barrier system for any residual chlorinated solvent impacts in this area of the site. The grass area west of the "Building Addition" is to be maintained as a green space area so that potential vapors in the general building area are allowed to passively diffuse to the atmosphere.

Any future alterations to the engineered barrier system and/or changes to the site layout must be pre-approved by the WDNR and follow the conditions set forth in this Plan. The normal operation of the engineered barriers will be as a direct contact barrier between site soils and typical, non-invasive users of the property. The engineered barriers will function as intended unless disturbed.

Disturbance Management

Capitol Crossing, LLC and subsequent owners of the site shall take the following steps to assure that uncontrolled disturbances of the engineered barrier do not occur:

- WDNR's case closure documents and Geographic Information System (GIS) Registry will establish future land use, development, and/or management restrictions of the site. This Plan will be incorporated into the case closure documents and/or GIS Registry, which will together identify the environmental impacts, the nature of the engineered barriers, the requirements regarding the management of impacted soils, and the availability of this Plan.

- A copy of this Plan will be available from the property owner to all interested parties.

- A copy of this Plan will be provided to all private utilities seeking easements for the purpose of installing facilities on the property.

- A copy of this Plan will be provided to all contractors and repair workers, including utility and landscaping services, during construction and repairs on the property.

- On-site personnel employed by current or future business operators will be made familiar with the contents and restriction requirements of this Plan.

Inspections of Engineered Barrier

Inspections will be required to assure that the engineered barrier is functioning as planned:

- Annual inspections shall be completed for the engineered barrier system. Inspections will be completed during summer months (or when the ground surface is not obstructed) for all accessible areas, including the floor of the "Building Addition" (gymnasium area). Additionally, the HVAC/air handling system for the building shall be evaluated during each inspection to make sure it is functioning.

- As necessary, the engineered barriers will be repaired to maintain integrity. Repairs may include, but are not limited to, the following:

    - Replacing soil in low areas and re-establishing appropriate vegetation;

    - Patching or replacing concrete or asphalt pavement where it has cracked or otherwise broken and would allow direct contact with underlying soil; and

    - Patching breaches in the vapor barrier/sealed concrete floor slab/rubberized floor system if observed in the gymnasium.

- An inspection log will be maintained to record any disturbances of the engineered barriers and the steps that have been taken to maintain the integrity of the engineered barriers. The inspection log will be made available for inspection by representatives of the WDNR upon reasonable prior request. The on-site inspection log will be maintained as long as inspection and maintenance of the engineered barriers are required.

Planned Breaches of Engineered Barriers

In the event an engineered barrier is breached, the following precautions shall be taken:

- Secure approval from the WDNR (or its successor agency) for the proposed work.

- The owner shall be given 48-hour notice of any planned breach. Owner will make soil data available to workers who penetrate the engineered barrier to allow for appropriate health and safety planning.

- The excavation zone and any soils excavated will be secured from public access until the engineered barrier is restored. The excavated soil will be placed on an impervious surface (e.g., existing concrete or asphalt pavement or plastic) and covered with plastic. Excavated soil shall be sampled and disposed of at a licensed landfill facility in accordance with applicable solid and/or hazardous waste rules and regulations, unless the WDNR or its successor agency grants approval to replace the soil into the same excavation.

- The engineered barrier will be restored to meet original conditions. This work, including the proper disposal of excess soils, should be completed within 72 hours following the completion of any on-site work, or as soon as reasonably practical.

- Details of the engineered barrier breach, the handling of excavated soils, individuals responsible for the work, and the restoration of the engineered barrier shall be recorded in the engineered barrier maintenance log. The maintenance log will be available for inspection by representatives of the WDNR upon reasonable prior request. An example inspection log page is included with this Plan.

Amendments

This Plan may be amended or withdrawn upon written approval from the WDNR or its successor agency.

Contact Information

- For responsible party and current owner information contact:

  Capitol Crossing, LLC
  c/o Williams Development Corporation
  648 N. Plankinton Avenue, #418
  Milwaukee, WI 53203
  Telephone: (414) 272-7700
  Fax: (414) 272-2904
  Contact: Mr. Chuck Biller

- For environmental consultant information contact:

  Sigma Environmental Services, Inc.
  1300 West Canal Street
  Milwaukee, WI 53233
  Telephone: (414) 643-4200
  Fax: (414) 643-4210
  Contact: Mr. Adam Roder, P.E.

- For Wisconsin Department of Natural Resources information contact:

  Wisconsin Department of Natural Resources
  Southeast Region Headquarters Remediation & Redevelopment Program
  2300 N. Dr. Martin Luther King Jr. Drive
  Milwaukee, WI 53212
  Telephone: (414) 263-8758
  Fax: (414) 263-8483
  Contact: Ms. Pam Mylotta

ENGINEERED BARRIER INSPECTION LOG
225 WEST CAPITOL DRIVE, MILWAUKEE, WI – BRRTS #02-41-520943
FORMER 3901 N. 2ND STREET – NORTH HALF, MILWAUKEE, WI – BRRTS #02-41-547756

Inspection Date	Inspector	Condition of Engineered Barrier	Recommendations	Have recommendations from previous inspection been implemented?

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

WISCONSIN
DEPT. OF NATURAL RESOURCES

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

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

December 11, 2009

Mr. Chuck Biller
Capitol Crossing, LLC c/o Williams Development Corp.
648 N. Plankinton Ave. #418
Milwaukee, WI 53203

Subject: Conditional Closure Decision, With Requirements to Achieve Final Closure
225 W. Capitol Dr site and Great Lake Fabrication site
225 W. Capitol Drive, and 3901 N. 2nd Street (North Half), Milwaukee, WI
WDNR BRRTS Activity #: 02-41-520943 and 02-41-547756
FID# 241558680 and 241357710

Dear Mr. Biller:

On April 7, 2009, the Southeast Region Case Closure Committee reviewed your request for closure of the case described above. The Regional Closure Committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. On April 24, 2009 your consultant was notified that the additional information was required to complete the closure review for this case. Your consultant provided the requested information in May 2009. After careful review of the closure request and supplemental information, the Department has determined that the chlorinated volatile organic compound, polynuclear aromatic hydrocarbon, lead and arsenic contamination on the site from the various spills and previous factory operations appears to have been investigated and remediated to the extent practicable under site conditions. Your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code and will be closed if the following conditions are satisfied:

Monitoring Well Abandonment; The monitoring wells at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment must be submitted to me on Form 3300-005 found at http://dnr.wi.gov/org/water/dwq/gw/ or provided by the Department of Natural Resources. For the monitoring wells that were buried during the construction project at the 225 W. Capitol Drive site, please provide an explanation of the efforts that were taken to locate these monitoring wells.

When the above conditions have been satisfied, please submit the appropriate documentation (for example, well abandonment forms, disposal receipts, copies of correspondence, etc.) to verify that applicable conditions have been met, and your case will be closed. Upon issuance of a final case closure letter, your site will be listed on the DNR Remediation and Redevelopment GIS Registry. Information that was submitted with your closure request application will be included on the GIS Registry. To review the site on the GIS Registry web page, visit the RR Sites Map page at: http://dnr.wi.gov/org/aw/rr/gis/index.htm.

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

We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at (414) 263-8758.

Sincerely,

Pamela A. Mylotta
Hydrogeologist, Remediation & Redevelopment Program
Southeast Region, Milwaukee Service Center

cc: Adam Roder – The Sigma Group

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

WISCONSIN
DEPT. OF NATURAL RESOURCES

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

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

March 1, 2010

Mr. Bill Lauenstein
JP Morgan Chase
14900 W. Capitol Drive
Brookfield, WI 53005

SUBJECT: Continuing Obligations and Property Owner Requirements for 201 W. Capitol Drive, Milwaukee
Parcel Identification Number: 273-1941-000
Final Case Closure for 225 W. Capitol Drive and Former Great Lake Fabrication at 3901 N. 2nd Street, Milwaukee, WI
WDNR BRRTS Activity #: 02-41-520943 and 02-41-547756

Dear Mr. Lauenstein:

The purpose of this letter is to notify you that certain continuing obligations apply to the property at 201 W. Capitol Drive, Milwaukee, (referred to in this letter as the "Property") due to contamination remaining on the Property. The continuing obligations are part of the cleanup and case closure approved for the above referenced cases, located at 225 W. Capitol Drive and 3901 N. 2nd Street, MIlwaukee. (The case is referenced by the location of the source property, i.e. the property where the original discharge occurred, prior to contamination migrating to the Property.) The continuing obligations that apply to the Property are stated as conditions in the attached closure approval letter, and are consistent with s. 292.12, Wis. Stats., and ch. NR 700, Wis. Adm. Code, rule series. They are meant to limit exposure to any remaining environmental contamination at the Property. These continuing obligations will also apply to future owners of the Property, until the conditions no longer exist at the Property.

It is common for properties with approved cleanups to have continuing obligations as part of cleanup/closure approvals. Information on continuing obligations on properties is shown on the Internet at http://dnr.wi.gov/org/aw/rr/gis/index.htm. How to find further information about the closure and residual contamination for this site can be located at http://dnr.wi.gov/org/aw/rr/clean.htm.

The Department reviewed and approved the case closure requests regarding the chlorinated solvent compounds in soil and groundwater at these sites, based on the information submitted by The Sigma Group. As required by state law, you received notification about the requested closure from the person conducting the cleanup. No further investigation or cleanup is required at this time. However, the closure decision is conditioned on the long-term compliance with certain continuing obligations, as described below.

Continuing Obligations Applicable to Your Property

A number of continuing obligations are described in the attached case closure letter to Capitol Crossing LLC, dated March 1, 2010. However, only the following continuing obligations apply to your Property:

Residual Groundwater Contamination: Groundwater impacted by tetrachloroethylene and cis-1,2-dichloroethylene contamination greater than enforcement standards set forth in ch. NR140, Wis. Adm. Code, is present on the 3901 N. 2nd Street (North Half) parcel and may extend onto southeast part of the Property (at 201

W. Capitol). A map is attached for reference. For more detailed information regarding the locations where groundwater samples have been collected (i.e., monitoring well locations) and the associated contaminant concentrations, refer to the Remediation and Redevelopment Program's GIS Registry at the RR Sites Map page at http://dnr.wi.gov/org/aw/rr/gis/index.htm.

Vapor Migration: Vapor migration is the movement of vapors originating from volatile chemicals in the soil or groundwater, into buildings or other areas where people may become exposed by breathing air contaminated by the vapors. Depending on site-specific conditions, construction over contaminated materials may result in vapor migration of contaminants into enclosed structures or migration along newly placed underground utility lines. The potential for vapor inhalation and means of mitigation should be evaluated when planning any future redevelopment, and measures should be taken to ensure the continued protection of public health, safety, welfare and the environment at the site.

GIS Registry – Well Construction Approval Needed

Because of the residual groundwater contamination and the continuing obligations, this site, which includes your Property, will be listed on the Department's internet accessible GIS Registry, at http://dnr.wi.gov/org/aw/rr/gis/index.htm. If you intend to construct or reconstruct a well on the Property, you will need to get 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. A well driller can help with this form. This form can be obtained on-line http://dnr.wi.gov/org/water/dwg/3300254.pdf. If at some time, all these continuing obligations are fulfilled, and the remaining contamination is either removed or meets applicable standards, you may request the removal of the Property from the GIS Registry.

Property Owner Responsibilities

The owner (you and any subsequent property owner) of this Property is responsible for compliance with these continuing obligations, pursuant to s. 292.12, Wis. Stats. You are strongly encouraged to pass on the information about these continuing obligations to anyone who purchases this property from you (i.e. pass on this letter). For residential property transactions, you are required to make disclosures under Wis. Stats. s. 709.02. You may have additional obligations to notify buyers of the condition of the property and the continuing obligations set out in this letter and the closure letter.

Please be aware that failure to comply with the continuing obligations may result in enforcement action by the Department. The Department intends to conduct inspections in the future to ensure that the conditions included in this letter, including compliance with referenced maintenance plans, are met.

These responsibilities are the property owner's. A property owner may enter into a legally binding agreement (such as a contract) with someone else (the person responsible for the cleanup) to take responsibility for compliance with the continuing obligations. If the person with whom any property owner has an agreement fails to adequately comply with the appropriate continuing obligations, the Department has the authority to require the property owner to complete the necessary work.

A legal agreement between you and another party to carry out any of the continuing obligations listed in this letter does not automatically transfer to a new owner of the property. If a subsequent property owner cannot negotiate a new agreement, the responsibility for compliance with the applicable continuing obligations resides with that Property owner.

Under s. 292.13, Wis. Stats., owners of properties affected by contamination from another property are generally exempt from investigating or cleaning up a hazardous substance discharge that has migrated onto a property from another property, through the soil, groundwater or sediment pathway. However, the exemption under s. 292.13, Wis. Stats., does not exempt the property owner from the responsibility to maintain a continuing obligation placed on the property in accordance with s. 292.12, Wis. Stats. To maintain this exemption, that statute requires the current property owner and any subsequent property owners, to meet the conditions in the statute, including:

- Granting reasonable access to DNR or responsible party, or their contractors;
- Avoiding interference with response actions taken; and
- Avoiding actions that make the contamination worse (e.g., demolishing a structure and causing or worsening the discharges to the environment).

The Department appreciates your efforts. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Pam Mylotta at (414) 263-8758.

Sincerely,

James A. Schmidt

James A. Schmidt, Team Supervisor
Southeast Region Remediation & Redevelopment Program

Attachments:
Case Closure Letter
Groundwater Contamination Map
RR819 – Continuing Obligations Fact Sheet

cc: Chuck Biller – Capitol Crossing LLC
Adam Roder - Sigma

A

09393324

DOC.# 09393324

REGISTER'S OFFICE | SS
Milwaukee County, WI|

RECORDED 03/02/2007 09:01AM

JOHN LA FAVE
REGISTER OF DEEDS

AMOUNT: 17.00

Document Number	LIMITED WARRANTY DEED Document Title

This deed, made between Redevelopment Authority of the City of Milwaukee ("Grantor") and Capitol Crossing, LLC ("Grantee")

WITNESSETH:

That Grantor for valuable consideration, the receipt and sufficiency of which is hereby acknowledged, conveys to Grantee, its successors and assigns forever, the following described real estate (the "Property"):

See Exhibit A attached hereto.

Together with all and singular the hereditaments and appurtenances thereunto belonging or in any way appertaining;

This is not homestead property.

Recording Area

Name and Return Address

Michael J. Dwyer
Godfrey & Kahn, S.C.
780 North Water Street
Milwaukee, Wisconsin 53202

Parcel Identification Number (PIN)
273-1942-000 AND 273-1015-000 (2006)
272-1971-000 (2007)

Grantor warrants that title to the Property is good, indefeasible in fee simple and free and clear of encumbrances, arising by, through or under Grantor, except municipal and zoning ordinances, taxes and assessments levied in 2007 which are not yet due and payable and subsequent years, those encumbrances set forth on Exhibit B attached hereto and the following restriction:

Neither Grantee nor any transferee, assignee or other successor in interest or future owner shall, for a period of seven years following the date of completion of the Project (as defined in that certain Purchase, Sale and Development Agreement dated as of February 27, 2007 which is further described on Exhibit B as exception A), apply for an exemption from real estate taxation for the Property pursuant to Wisconsin Statute Sec. 70.11 or otherwise and, thereafter, any application for an exemption shall be conditioned upon the exempt entity entering into a PILOT Agreement with the City of Milwaukee to pay the City portion of real estate taxes.

* There is no transfer fee due pursuant to Wisconsin Statute Sec 77.25 (2) *

Dated as of this 27 day of February, 2007.

REDEVELOPMENT AUTHORITY OF THE CITY OF MILWAUKEE

By: Kathryn M. West
Name: KATHRYN M. WEST
Its: Chairman

Attest: Joel T. Brennan
Name: JOEL T. BRENNAN
Its: Assistant Executive Director-Secretary

STATE OF WISCONSIN)
)
COUNTY OF MILWAUKEE)

Personally came before me this 27 day of February, 2007, Kathryn M. West and Joel T. Brennan as Chairman and Assistant Executive Director-Secretary of the Redevelopment Authority of the City of Milwaukee, and to me known to be the persons who executed the foregoing instrument and acknowledged the same in such capacity.

Rhonda G. Szallai
* Rhonda G. Szallai
Notary Public, State of Wisconsin
My Commission: November 1, 2009

This document was drafted by:
Kevin P. Sullivan, Assistant City Attorney

1089-2006-281:116047

RHONDA G. SZALLAI NOTARY PUBLIC STATE OF WISCONSIN

EXHIBIT A

Description of Real Estate

Parcel 1 of Certified Survey Map No. 7763, recorded on June 1, 2006, on Reel 6359, as Document No. 9244622, being a division of Parcel 2 of Certified Survey Map No. 3440, also the South 20 feet of Lot 8 and allof Lots 9, 10, 11 and 12, Block 3, in North View and Lot 1, Block 4, in North View, together with the portions of the vacated West Melvina Street and vacated alley adjacent to said Lots, all located in the Northeast 1/4 and Northwest 1/4 of the Northeast 1/4 of Section 8, Town 7 North, Range 22 East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin.

Tax Key No: 273-1942-8 + 273-1015-000

Address: 225 W. CAPITOL DRIVE

EXHIBIT B

Permitted Encumbrances

A. The terms, conditions, covenants and restrictions contained in that certain Purchase, Sale and Development Agreement dated as of February 27, 2007 by and between Grantor and Grantee, which is to be memorialized by a Memorandum of Purchase, Sale and Development Agreement by and between. Grantor and Grantee.

B. Applicable statutes, orders, rules and regulations of the Federal Government and State of Wisconsin, and laws and ordinances of the City of Milwaukee, including zoning, building and land subdivision laws and regulations;

C. Land use, building and other covenants or restrictions of record;

D. All easements of record;

E. Any unrecorded rights or interests of any person, entity or utility in any vacated alley, street, or public right-of-way at the Property under Wis. Stat. § 66.1005(2);

F. Rights of Skytel (or successors in interest thereto) under Antenna Site License agreement with NWM Management, Inc. dated June 10, 1994, now with Skytel Communications, Inc. as successor (the "Antenna Lease"); provided that the term of such lease shall end on July 31, 2007 and shall not be extended; and

G. Rights and responsibilities associated with the Property being part of the Riverworks BID and part of TID 24.

V 10. Zoning, Notes and Redivision Restriction set forth on Certified Survey Map No. 3440 and Certified Survey Map No. 7763.

W 11. Spur track easement set forth in Deeds recorded as Documents Numbered 1774903, 2407725 and 2429676.

Y 12. Easements, if any, of the public or any school district, utility, municipality or person, as provided in Section 80.32(4) of the Statutes, for the continued use and right of entrance, maintenance, construction and repair of underground or overground structures, improvements or service in that portion of the subject premises which were formerly a part of W. Melvina Place and alleys now vacated.

AA 13. Limitations imposed upon access set forth in Document No. 4100266 and corrected by Award of Damages recorded as Document No. 4183749.

AK 17. Access Restriction set forth on Certified Survey Map No. 7763.

AU 18. Encroachment to the extent of up to 1.17 feet upon the premises adjoining the subject premises on the Southwest by a building and retaining wall located principally on the subject premises.

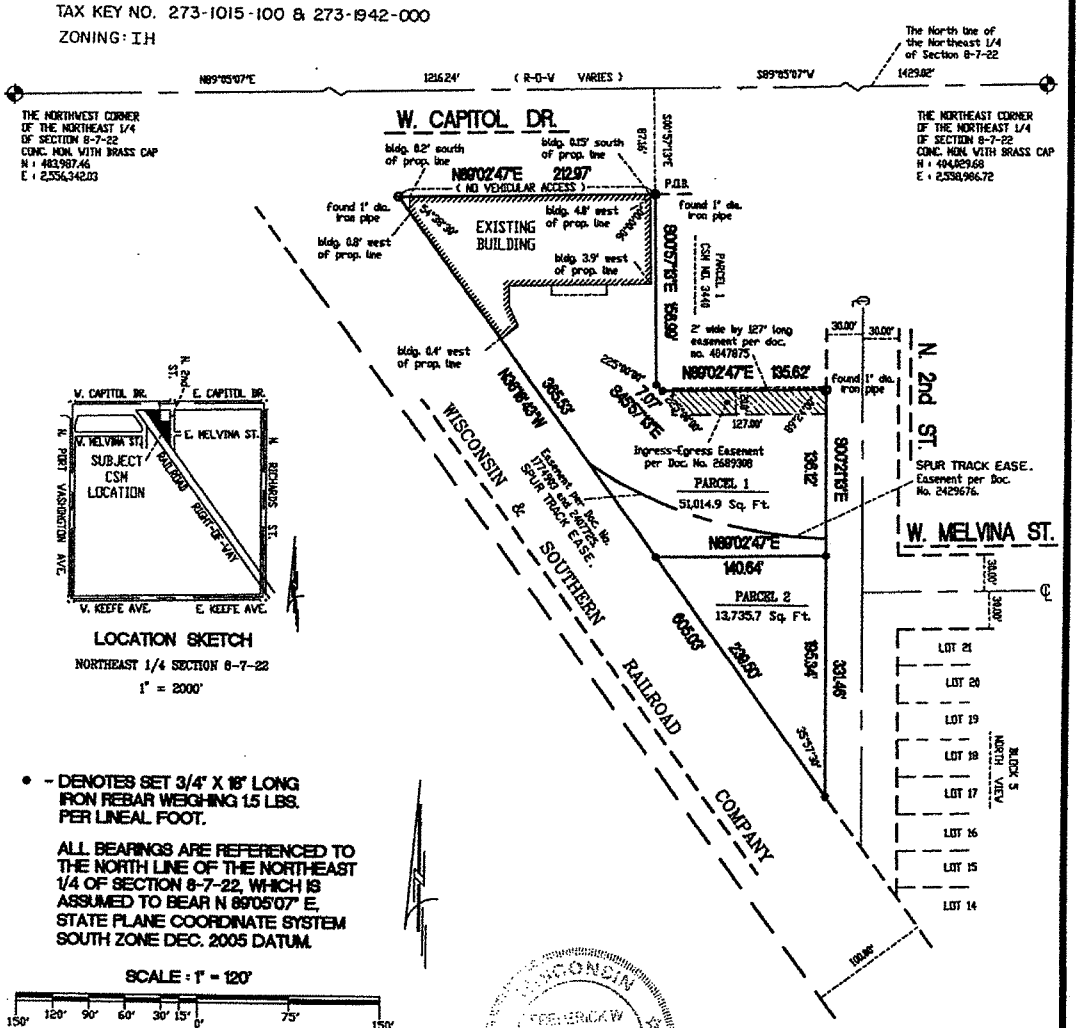
RECORDED
CERTIFIED SURVEY MAP

DCO # 2542

MILWAUKEE COUNTY CERTIFIED SURVEY MAP NO. 7763

BEING A DIVISION OF PARCEL 2 OF CERTIFIED SURVEY MAP NO. 3440, ALSO THE SOUTH 20 FEET OF LOT 8 AND ALL OF LOTS 9, 10, 11 AND 12, BLOCK 3, IN NORTH VIEW AND LOT 1, BLOCK 4, IN NORTH VIEW, TOGETHER WITH THE PORTIONS OF THE VACATED WEST MELVINA STREET AND VACATED ALLEY ADJACENT TO SAID LOTS, ALL LOCATED IN THE NORTHEAST ¼ AND NORTHWEST ¼ OF THE NORTHEAST ¼ OF SECTION 8, TOWN 7 NORTH, RANGE 22 EAST, IN THE CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN.

TAX KEY NO. 273-1015-100 & 273-1942-000
ZONING: IH



LOCATION SKETCH
NORTHEAST 1/4 SECTION 8-7-22
1" = 2000'

• - DENOTES SET 3/4" X 18" LONG IRON REBAR WEIGHING 1.5 LBS. PER LINEAL FOOT.

ALL BEARINGS ARE REFERENCED TO THE NORTH LINE OF THE NORTHEAST 1/4 OF SECTION 8-7-22, WHICH IS ASSUMED TO BEAR N 89°05'07" E, STATE PLANE COORDINATE SYSTEM SOUTH ZONE DEC. 2005 DATUM.

SCALE : 1" = 120'

150' 120' 90' 60' 30' 15' 0' 75' 150'

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

INSTRUMENT DRAFTED BY : WILLIAM J. KARPEN

Disk 502
JOB NO. 31337 CSM

WISCONSIN FREDERICK W. SHIBILSKI S-1154 WAUWATOSA WI LAND SURVEYOR

FREDERICK W. SHIBILSKI S-1154

SHEET 1 OF 3

INFRASTRUCTURE SERVICES DIVISION
Marcia Lindholm 2/20/06
CENTRAL DRAFTING & RECORDS MANAGER
Martin Cegan 2/17/06
ENGR. IN CHARGE ENVIRON. ENGR.
CORRECT
2/23/06
CITY ENGINEER
APPROVED

DEPARTMENT OF CITY DEVELOPMENT
CITY OF MILWAUKEE
JAN 25 2006
STAFF APPROVED

RECORDED CERTIFIED SURVEY MAP
DATE RECORDED JUN 1 2006
MAP NO. 7763
DOCUMENT NO. 09244622
CITY OF MILWAUKEE
DEPARTMENT OF CITY DEVELOPMENT
[illegible] W. BROADWAY ST.
MILWAUKEE [illegible]
PHONE [illegible]

DCD #2542

MILWAUKEE COUNTY CERTIFIED SURVEY MAP NO._____

BEING A DIVISION OF PARCEL 2 OF CERTIFIED SURVEY MAP NO. 3440, ALSO THE SOUTH 20 FEET OF LOT 8 AND ALL OF LOTS 9, 10, 11 AND 12, BLOCK 3, IN NORTH VIEW AND LOT 1, BLOCK 4, IN NORTH VIEW, TOGETHER WITH THE PORTIONS OF THE VACATED WEST MELVINA STREET AND VACATED ALLEY ADJACENT TO SAID LOTS, ALL LOCATED IN THE NORTHEAST ¼ AND NORTHWEST ¼ OF THE NORTHEAST ¼ OF SECTION 8, TOWN 7 NORTH, RANGE 22 EAST, IN THE CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN.

SURVEYOR'S CERTIFICATE
STATE OF WISCONSIN)
MILWAUKEE COUNTY) SS

I, Frederick W. Shibilski, a registered land surveyor do hereby certify:

That I have surveyed, divided and mapped Parcel 2 of Certified Survey Map No. 3440, Also the South 20 feet of Lot 8 and all of Lots 9, 10, 11 and 12, Block 3, in North View and Lot 1, Block 4, in North View, together with the portions of the vacated West Melvina Street and vacated alley adjacent to said lots, all located in the Northeast ¼ and Northwest ¼ of the Northeast ¼ of Section 8, Town 7 North, Range 22 East, in the City of Milwaukee, Milwaukee County, Wisconsin, bounded and described as follows: Commencing at the Northeast corner of the Northeast ¼ of Section 8; thence South 89° 05' 07" West, along the North line of said ¼ Section, 1429.02 feet; thence South 00° 57' 13" East, 87.16 feet to the Northeast corner of said Parcel 2 and the point of beginning of the land to be described; thence South 00° 57' 13" East, 156.99 feet; thence South 45° 57' 13" East, 7.07 feet; thence North 89° 02' 47" East, 135.62 feet to a point on the West right-of-way line of North 2nd Street; thence South 00° 21' 13" East, along said West line, 331.46 feet to a point on the Northeasterly line of the Wisconsin and Southern Railroad Company; thence North 36° 18' 43" West along said Northeasterly line, 605.03 feet to the Northwest corner of Parcel 2 of Certified Survey Map No. 3440; thence North 89° 02' 47" East, 212.97 feet to the point of beginning.

That I have made such survey, land division and map by the direction of the Redevelopment Authority of the City of Milwaukee, owner of said land.

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

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

Dated this 19th day of January, 2006.

FREDERICK W. SHIBILSKI S-1154 WAUKESHA WI LAND SURVEYOR

Frederick W. Shibilski S-1154
Wisconsin Reg. Land Surveyor

CORPORATE OWNERS CERTIFICATE:

The Redevelopment Authority of the City of Milwaukee, a corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin as owner, does hereby certify that said corporation caused the land described on this map to be surveyed, divided, mapped and dedicated as represented on this map in accordance with the requirements of Chapter 119 of the Milwaukee Code of Ordinances.

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

a. That all utility lines to provide electric power and telephone services and cable television or communications systems lines or cables to all parcels in the certified survey map shall be installed underground in easements provided therefore, where feasible.
b. That direct vehicular access from Parcel 1 to W. Capitol Dr. is prohibited.

This agreement shall be binding on the undersigned and assigns.

IN WITNESS WHEREOF, the said Redevelopment Authority of the City of Milwaukee has caused these presents to be signed by Kenneth L. Johnson, its Chair and countersigned Joel T. Brennan, its Ass't. Executive Director/Secretary, at Milwaukee, Wisconsin, on this 24th day of Mar, 2006.

In the Presence of:

Karen D. Underwood

Karen D. Underwood

The Redevelopment Authority of the City of Milwaukee

Kenneth L. Johnson, Chair

Joel T. Brennan, Ass't. Executive Director/Secretary

DCD #2542

MILWAUKEE COUNTY CERTIFIED SURVEY MAP NO._____

BEING A DIVISION OF PARCEL 2 OF CERTIFIED SURVEY MAP NO. 3440, ALSO THE SOUTH 20 FEET OF LOT 8 AND ALL OF LOTS 9, 10, 11 AND 12, BLOCK 3, IN NORTH VIEW AND LOT 1, BLOCK 4, IN NORTH VIEW, TOGETHER WITH THE PORTIONS OF THE VACATED WEST MELVINA STREET AND VACATED ALLEY ADJACENT TO SAID LOTS, ALL LOCATED IN THE NORTHEAST ¼ AND NORTHWEST ¼ OF THE NORTHEAST ¼ OF SECTION 8, TOWN 7 NORTH, RANGE 22 EAST, IN THE CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN.

CORPORATE OWNERS CERTIFICATE (CONTINUED):

STATE OF WISCONSIN)
MILWAUKEE COUNTY)SS

Personally came before me this 24th day of May, 2006, the above named Kenneth L. Johnson, of the above named Corporation, to me known to be the person who executed the foregoing instrument and to me known to be such Chair of said Corporation and acknowledged that he executed the foregoing instrument as such officer as the deed of said Corporation by its authority.

DEBORAH MCCOLLUM-GATHING NOTARY PUBLIC STATE OF WISCONSIN

Deborah McCollum-Gathing
Notary Public, State of Wisconsin
My Commission expires November 9, 2008

STATE OF WISCONSIN)
MILWAUKEE COUNTY)SS

Personally came before me this 24th day of May, 2006, the above named Joel T. Brennan, of the above named Corporation, to me known to be the person who executed the foregoing instrument and to me known to be such Ass't. Executive Director/Secretary of said Corporation and acknowledged that he executed the foregoing instrument as such officer as the deed of said Corporation by its authority.

DEBORAH MCCOLLUM-GATHING NOTARY PUBLIC STATE OF WISCONSIN

Deborah McCollum-Gathing
Notary Public, State of Wisconsin
My Commission expires November 9, 2008

CERTIFICATE OF CITY TREASURER
STATE OF WISCONSIN)
MILWAUKEE COUNTY)SS

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

Date: 2-24-06

Wayne F. Whittow
Wayne F. Whittow, City Treasurer

COMMON COUNCIL CERTIFICATE OF APPROVAL

I certify that this Certified Survey Map was approved under Resolution File No. 051537, adopted by the Common Council of the City of Milwaukee on March 23, 2006.

Ronald D. Leonhardt
Ronald D. Leonhardt, City Clerk

Thomas Barrett
Thomas Barrett, Mayor

WISCONSIN PATRICK W. SHIELSKI LAND SURVEYOR

THIS INSTRUMENT DRAFTED BY: WILLIAM J. KARPEN

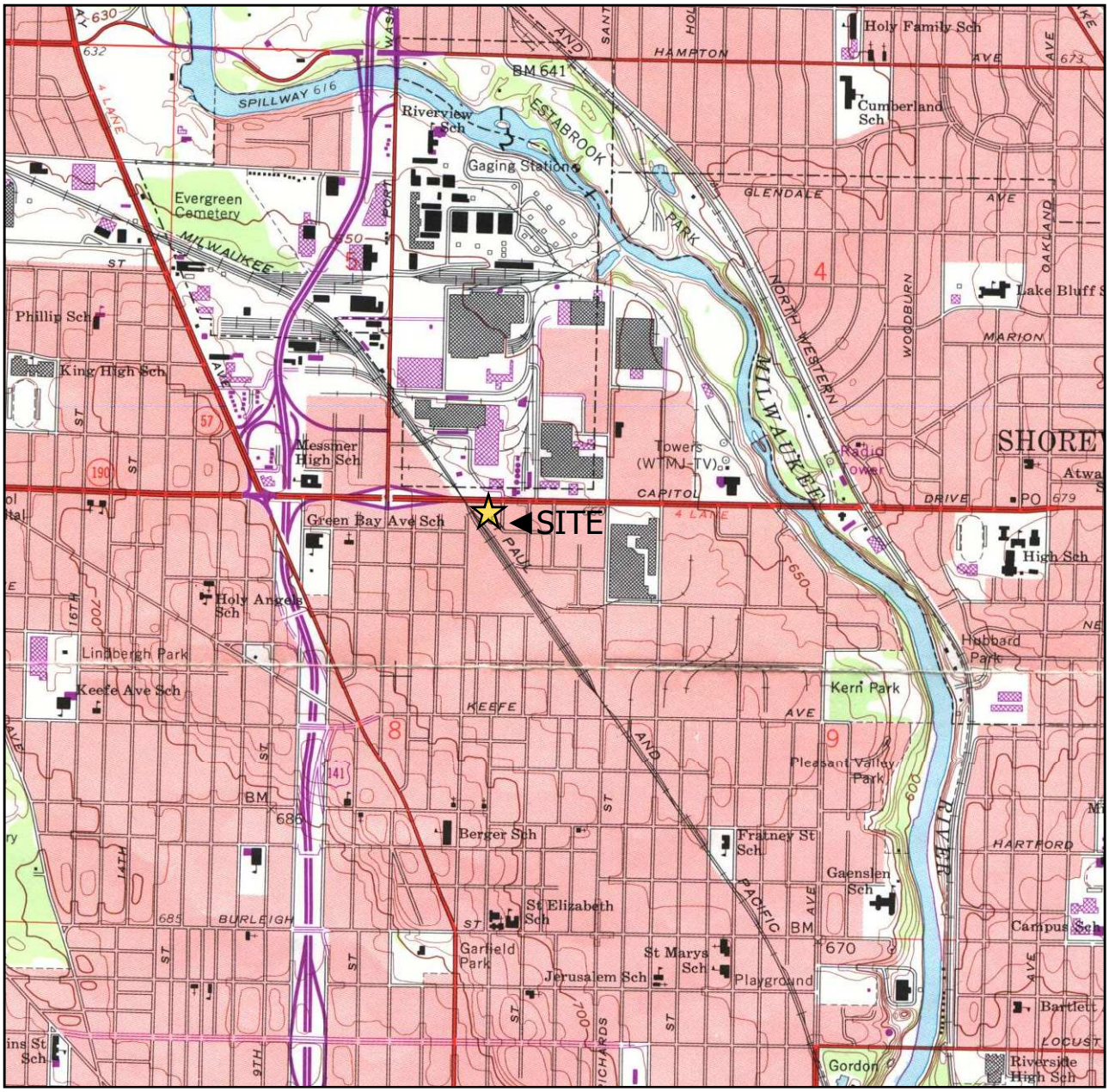
CSM 31337

STATEMENT BY RESPONSIBLE PARTY

Capitol Crossing, LLC, the responsible party for the property located at 225 W. Capitol Drive (which now includes the former 3901 N. 2nd Street – North Half parcel), Milwaukee, Wisconsin states that the legal description provided to the Wisconsin Department of Natural Resources in this case closure request and Geographic Information System (GIS) Registry packet for WDNR BRRTS #02-41-520943 and 02-41-547756 is complete and accurate to the best of our knowledge.

Signature of Representative for Responsible Party

FEBRUARY 11, 2009
Date



MW ¼ and NE ¼ of the NE ¼ of Sec. 8, T7N, R22E Adapted from U.S.G.S. 7.5 minute series, Milwaukee (dated 1958, photorevised 1971), Wisconsin, quadrangles.

SCALE 1:24 000

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

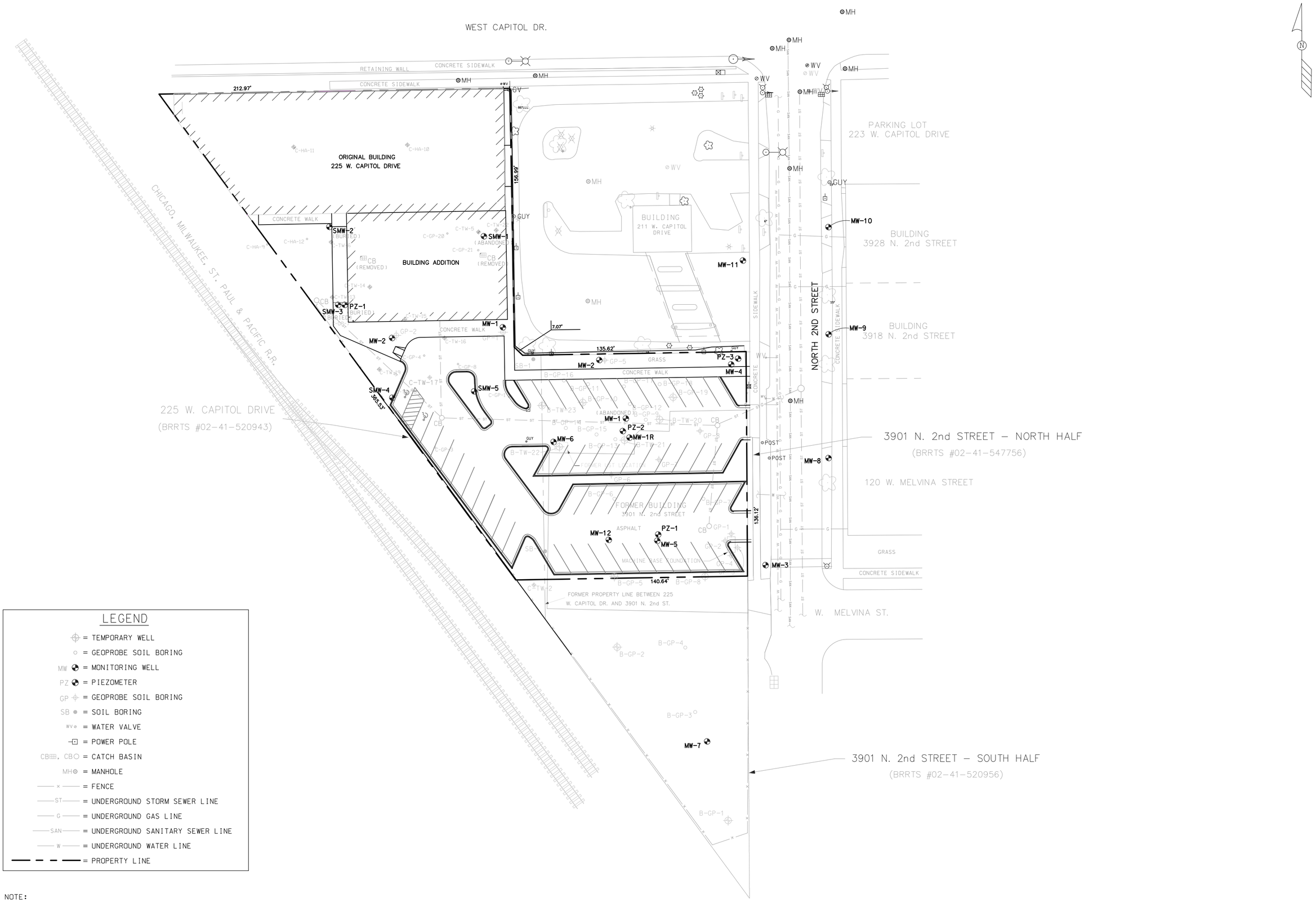
CONTOUR INTERVAL 10 FEET
DOTTED LINES REPRESENT 5-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

N

Figure 1. Site Location Map
225 W. Capitol Drive & 3901 N. 2nd Street (North Half)
Milwaukee, Wisconsin 53212

THE SIGMA GROUP
Single Source. Sound Solutions.

9841fig1.ppt



LEGEND

- = TEMPORARY WELL
- = GEOPROBE SOIL BORING
- MW = MONITORING WELL
- PZ = PIEZOMETER
- GP = GEOPROBE SOIL BORING
- SB = SOIL BORING
- WV = WATER VALVE
- = POWER POLE
- CB, CB = CATCH BASIN
- MH = MANHOLE
- = FENCE
- ST = UNDERGROUND STORM SEWER LINE
- G = UNDERGROUND GAS LINE
- SAN = UNDERGROUND SANITARY SEWER LINE
- W = UNDERGROUND WATER LINE
- = PROPERTY LINE

NOTE:
SITE FEATURES CONSTRUCTED IN 2007 (SHOWN IN BLACK LINES) BASED ON FEBRUARY 13, 2007 DRAWING FROM CJ ENGINEERING.

THE SIGMA GROUP
Single Source. Sound Solutions.
www.thesigmagroup.com
1300 West Canal Street
Milwaukee, Wisconsin 53233
Phone: 414-643-4200
Fax: 414-643-4210

SCALE – 1" = 40' – 0" 0' 20' 40' 60' 80'

NO	DATE	REVISIONS	BY	APVD

	NAME:	DATE:
DRAWN BY:	JRM	05–25–07
DESIGNED BY:		
CHECKED BY:		
APPROVED BY:		

CAPITOL CROSSING REDEVELOPMENT PROJECT
225 W. CAPITOL DR. & NORTH HALF OF 3901 N. 2ND ST., MILWAUKEE, WI
SITE PLAN MAP

DRAWING NUMBER
9841–E002–A

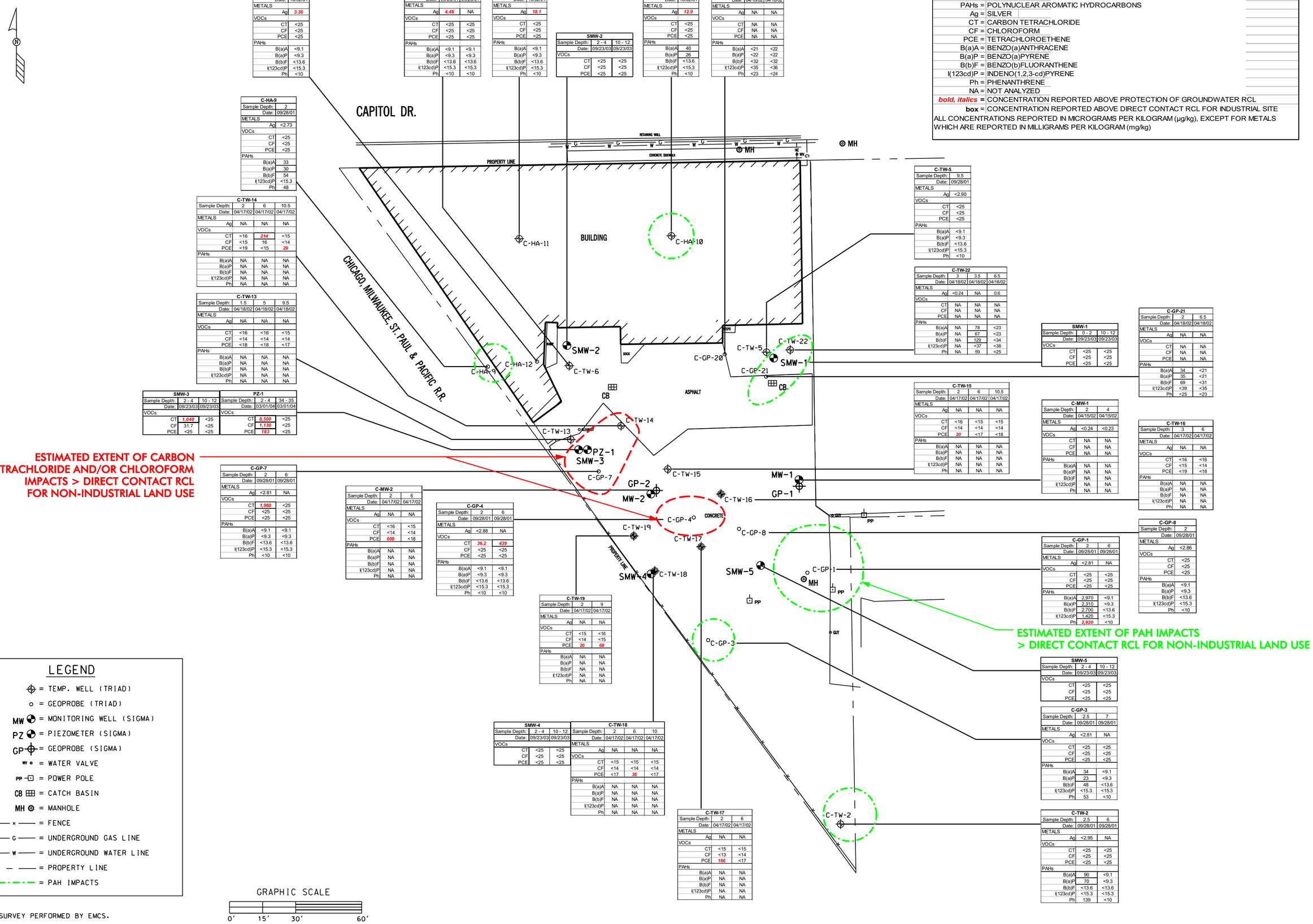
FIGURE 2

K:\Williams Development\9841\9841-E002-A.dwg, Model, 2/17/2009 1:26:28 PM, Previous paper size (17.00 x 22.00 inches), 1:40.0025

ANALYTICAL KEY

VOCs =	VOLATILE ORGANIC COMPOUNDS
PAHs =	POLYNUCLEAR AROMATIC HYDROCARBONS
Ag =	SILVER
CT =	CARBON TETRACHLORIDE
CF =	CHLOROFORM
PCE =	TETRACHLOROETHENE
B(a)A =	BENZO(a)ANTHRACENE
B(a)P =	BENZO(a)PYRENE
B(b)F =	BENZO(b)FLUORANTHENE
I(123cd)P =	INDENO(1,2,3-cd)PYRENE
Ph =	PHENANTHRENE
NA =	NOT ANALYZED
bold, italics =	CONCENTRATION REPORTED ABOVE PROTECTION OF GROUNDWATER RCL
box =	CONCENTRATION REPORTED ABOVE DIRECT CONTACT RCL FOR INDUSTRIAL SITE

ALL CONCENTRATIONS REPORTED IN MICROGRAMS PER KILOGRAM (µg/kg), EXCEPT FOR METALS WHICH ARE REPORTED IN MILLIGRAMS PER KILOGRAM (mg/kg)



NOTE:
BASED ON SURVEY PERFORMED BY EMCS.

C-HA-12	
Sample Depth:	1.5
Date:	10/02/01
METALS	
Ag	***3.36***
VOCs	
CT	<25
CF	<25
PCE	<25
PAHs	
B(a)A	<9.1
B(a)P	<9.3
B(b)F	<13.6
I(123cd)P	<15.3
Ph	<10

C-TW-6		
Sample Depth:	2	6
Date:	09/28/01	09/28/01
METALS		
Ag	***4.46***	NA
VOCs		
CT	<25	<25
CF	<25	<25
PCE	<25	<25
PAHs		
B(a)A	<9.1	<9.1
B(a)P	<9.3	<9.3
B(b)F	<13.6	<13.6
I(123cd)P	<15.3	<15.3
Ph	<10	<10

C-HA-11	
Sample Depth:	1.5
Date:	10/02/01
METALS	
Ag	***18.1***
VOCs	
CT	<25
CF	<25
PCE	<25
PAHs	
B(a)A	<9.1
B(a)P	<9.3
B(b)F	<13.6
I(123cd)P	<15.3
Ph	<10

SMW-2		
Sample Depth:	2 - 4	10 - 12
Date:	09/23/03	09/23/03
VOCs		
CT	<25	<25
CF	<25	<25
PCE	<25	<25

C-HA-10	
Sample Depth:	1.5
Date:	10/02/01
METALS	
Ag	***12.9***
VOCs	
CT	<25
CF	<25
PCE	<25
PAHs	
B(a)A	40
B(a)P	26
B(b)F	<13.6
I(123cd)P	<15.3
Ph	<10

C-GP-20		
Sample Depth:	2	5.8
Date:	04/18/02	04/18/02
METALS		
Ag	NA	NA
VOCs		
CT	NA	NA
CF	NA	NA
PCE	NA	NA
PAHs		
B(a)A	<21	<22
B(a)P	<22	<22
B(b)F	<32	<32
I(123cd)P	<35	<36
Ph	<23	<24

C-HA-9	
Sample Depth:	2
Date:	09/28/01
METALS	
Ag	<2.73
VOCs	
CT	<25
CF	<25
PCE	<25
PAHs	
B(a)A	33
B(a)P	30
B(b)F	54
I(123cd)P	<15.3
Ph	46

C-TW-14			
Sample Depth:	2	6	10.5
Date:	04/17/02	04/17/02	04/17/02
METALS			
Ag	NA	NA	NA
VOCs			
CT	<16	***214***	<15
CF	<15	16	<14
PCE	<19	<15	***29***
PAHs			
B(a)A	NA	NA	NA
B(a)P	NA	NA	NA
B(b)F	NA	NA	NA
I(123cd)P	NA	NA	NA
Ph	NA	NA	NA

C-TW-13			
Sample Depth:	1.5	5	9.5
Date:	04/18/02	04/18/02	04/18/02
METALS			
Ag	NA	NA	NA
VOCs			
CT	<16	<16	<15
CF	<14	<14	<14
PCE	<18	<18	<17
PAHs			
B(a)A	NA	NA	NA
B(a)P	NA	NA	NA
B(b)F	NA	NA	NA
I(123cd)P	NA	NA	NA
Ph	NA	NA	NA

SMW-3		
Sample Depth:	2 - 4	10 - 12
Date:	09/23/03	09/23/03
VOCs		
CT	***1,040***	<25
CF	31.7	<25
PCE	<25	<25

PZ-1		
Sample Depth:	2 - 4	34 - 35
Date:	03/01/04	03/01/04
VOCs		
CT	***8,500***	<25
CF	***1,130***	<25
PCE	***183***	<25

C-GP-7		
Sample Depth:	2	6
Date:	09/28/01	09/28/01
METALS		
Ag	<2.81	NA
VOCs		
CT	***1,960***	<25
CF	<25	<25
PCE	<25	<25
PAHs		
B(a)A	<9.1	<9.1
B(a)P	<9.3	<9.3
B(b)F	<13.6	<13.6
I(123cd)P	<15.3	<15.3
Ph	<10	<10

C-MW-2		
Sample Depth:	2	6
Date:	04/17/02	04/17/02
METALS		
Ag	NA	NA
VOCs		
CT	<16	<15
CF	<14	<14
PCE	***609***	<18
PAHs		
B(a)A	NA	NA
B(a)P	NA	NA
B(b)F	NA	NA
I(123cd)P	NA	NA
Ph	NA	NA

C-GP-4		
Sample Depth:	2	6
Date:	09/28/01	09/28/01
METALS		
Ag	<2.88	NA
VOCs		
CT	***36.2***	***439***
CF	<25	<25
PCE	<25	<25
PAHs		
B(a)A	<9.1	<9.1
B(a)P	<9.3	<9.3
B(b)F	<13.6	<13.6
I(123cd)P	<15.3	<15.3
Ph	<10	<10

C-TW-19		
Sample Depth:	2	9
Date:	04/17/02	04/17/02
METALS		
Ag	NA	NA
VOCs		
CT	<15	<16
CF	<14	<15
PCE	***20***	***68***
PAHs		
B(a)A	NA	NA
B(a)P	NA	NA
B(b)F	NA	NA
I(123cd)P	NA	NA
Ph	NA	NA

SMW-4		
Sample Depth:	2 - 4	10 - 12
Date:	09/23/03	09/23/03
VOCs		
CT	<25	<25
CF	<25	<25
PCE	<25	<25

C-TW-18			
Sample Depth:	2	6	10
Date:	04/17/02	04/17/02	04/17/02
METALS			
Ag	NA	NA	NA
VOCs			
CT	<15	<15	<15
CF	<14	<14	<14
PCE	<17	***36***	<17
PAHs			
B(a)A	NA	NA	NA
B(a)P	NA	NA	NA
B(b)F	NA	NA	NA
I(123cd)P	NA	NA	NA
Ph	NA	NA	NA

C-TW-17		
Sample Depth:	2	6
Date:	04/17/02	04/17/02
METALS		
Ag	NA	NA
VOCs		
CT	<15	<15
CF	<13	<14
PCE	***166***	<17
PAHs		
B(a)A	NA	NA
B(a)P	NA	NA
B(b)F	NA	NA
I(123cd)P	NA	NA
Ph	NA	NA

C-TW-5	
Sample Depth:	9.5
Date:	09/28/01
METALS	
Ag	<2.90
VOCs	
CT	<25
CF	<25
PCE	<25
PAHs	
B(a)A	<9.1
B(a)P	<9.3
B(b)F	<13.6
I(123cd)P	<15.3
Ph	<10

C-TW-22			
Sample Depth:	3	3.5	6.5
Date:	04/18/02	04/18/02	04/18/02
METALS			
Ag	<0.24	NA	0.6
VOCs			
CT	NA	NA	NA
CF	NA	NA	NA
PCE	NA	NA	NA
PAHs			
B(a)A	NA	78	<23
B(a)P	NA	67	<23
B(b)F	NA	129	<34
I(123cd)P	NA	<37	<38
Ph	NA	59	<25

SMW-1		
Sample Depth:	0 - 2	10 - 12
Date:	09/23/03	09/23/03
VOCs		
CT	<25	<25
CF	<25	<25
PCE	<25	<25

C-GP-21		
Sample Depth:	2	6.5
Date:	04/18/02	04/18/02
METALS		
Ag	NA	NA
VOCs		
CT	NA	NA
CF	NA	NA
PCE	NA	NA
PAHs		
B(a)A	34	<21
B(a)P	35	<21
B(b)F	69	<31
I(123cd)P	<39	<35
Ph	<25	<23

C-TW-15			
Sample Depth:	2	6	10.5
Date:	04/17/02	04/17/02	04/17/02
METALS			
Ag	NA	NA	NA
VOCs			
CT	<16	<15	<15
CF	<14	<14	<14
PCE	***20***	<17	<18
PAHs			
B(a)A	NA	NA	NA
B(a)P	NA	NA	NA
B(b)F	NA	NA	NA
I(123cd)P	NA	NA	NA
Ph	NA	NA	NA

C-MW-1		
Sample Depth:	2	4
Date:	04/15/02	04/15/02
METALS		
Ag	<0.24	<0.23
VOCs		
CT	NA	NA
CF	NA	NA
PCE	NA	NA
PAHs		
B(a)A	NA	NA
B(a)P	NA	NA
B(b)F	NA	NA
I(123cd)P	NA	NA
Ph	NA	NA

C-TW-16		
Sample Depth:	3	6
Date:	04/17/02	04/17/02
METALS		
Ag	NA	NA
VOCs		
CT	<16	<16
CF	<15	<14
PCE	<19	<18
PAHs		
B(a)A	NA	NA
B(a)P	NA	NA
B(b)F	NA	NA
I(123cd)P	NA	NA
Ph	NA	NA

C-GP-8	
Sample Depth:	2
Date:	09/28/01
METALS	
Ag	<2.86
VOCs	
CT	<25
CF	<25
PCE	<25
PAHs	
B(a)A	<9.1
B(a)P	<9.3
B(b)F	<13.6
I(123cd)P	<15.3
Ph	<10

C-GP-1		
Sample Depth:	2	6
Date:	09/28/01	09/28/01
METALS		
Ag	<2.81	NA
VOCs		
CT	<25	<25
CF	<25	<25
PCE	<25	<25
PAHs		
B(a)A	2,970	<9.1
B(a)P	2,310	<9.3
B(b)F	2,700	<13.6
I(123cd)P	1,420	<15.3
Ph	***2,920***	<10

SMW-5		
Sample Depth:	2 - 4	10 - 12
Date:	09/23/03	09/23/03
VOCs		
CT	<25	<25
CF	<25	<25
PCE	<25	<25

C-GP-3		
Sample Depth:	2.5	7
Date:	09/28/01	09/28/01
METALS		
Ag	<2.81	NA
VOCs		
CT	<25	<25
CF	<25	<25
PCE	<25	<25
PAHs		
B(a)A	34	<9.1
B(a)P	23	<9.3
B(b)F	48	<13.6
I(123cd)P	<15.3	<15.3
Ph	53	<10

C-TW-2		
Sample Depth:	2.5	6
Date:	09/28/01	09/28/01
METALS		
Ag	<2.95	NA
VOCs		
CT	<25	<25
CF	<25	<25
PCE	<25	<25
PAHs		
B(a)A	90	<9.1
B(a)P	70	<9.3
B(b)F	<13.6	<13.6
I(123cd)P	<15.3	<15.3
Ph	139	<10

THE SIGMA GROUP
SIGMA ENVIRONMENTAL SERVICES, INC.
SIGMA DEVELOPMENT, INC.
SIGMA LEASING, INC.

1300 W. CANAL STREET
MILWAUKEE, WISCONSIN 53233
PHONE : (414) 643-4200
1-800-732-4671

	NAME:	DATE:
DRAWN BY:	PRF	04-5-06
DESIGNED BY:		
CHECKED BY:		
APPROVED BY:		

CITY OF MILWAUKEE
225 W. CAPITOL DRIVE, MILWAUKEE, WISCONSIN
SOIL QUALITY MAP

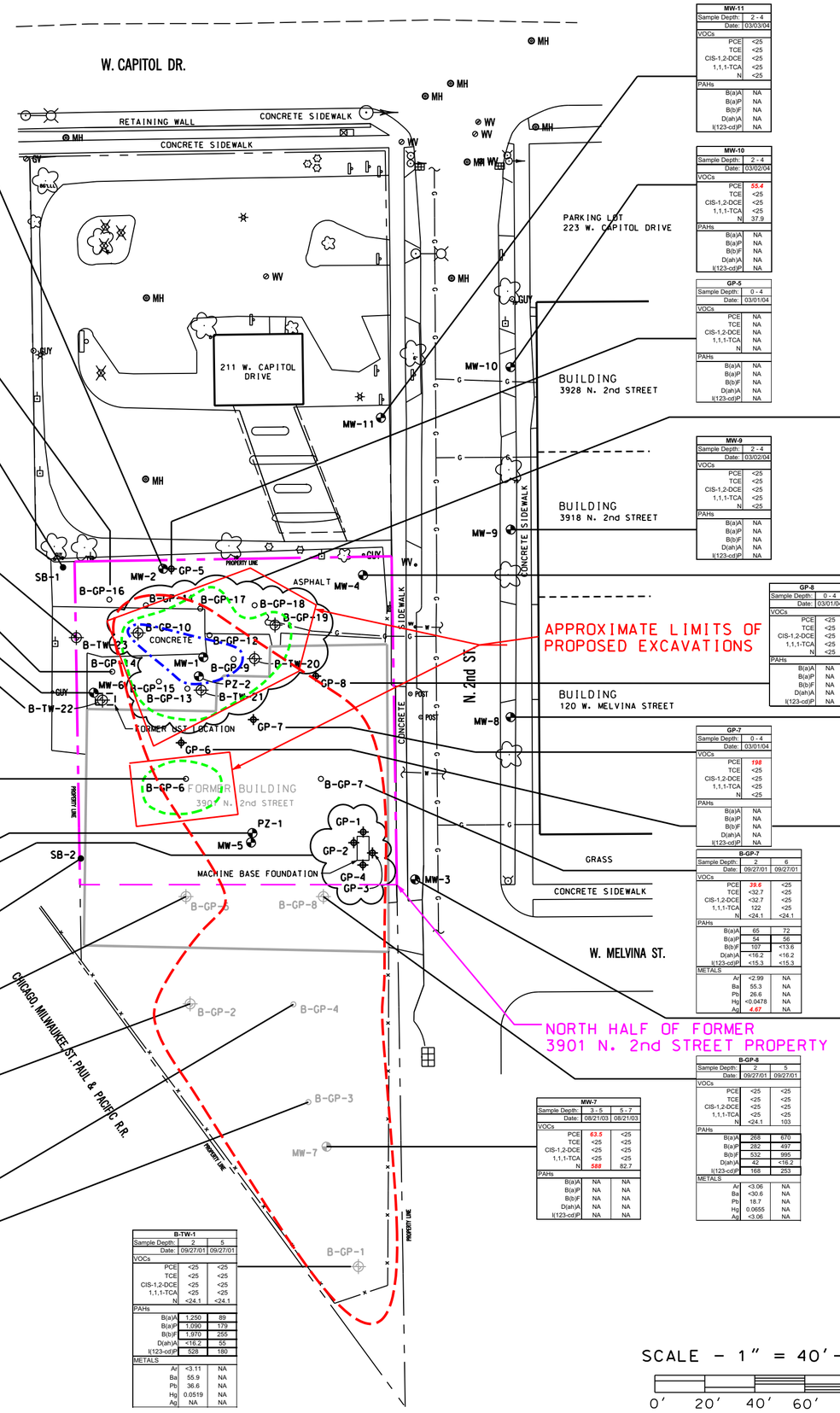
DRAWING NUMBER
8110-010

FIGURE 1

ANALYTICAL KEY

PCE = TETRACHLOROETHENE
TCE = TRICHLOROETHENE
CIS-1,2-DCE = CIS-1,2-DICHLOROETHENE
1,1,1-TCA = 1,1,1-TRICHLOROETHANE
N = NAPHTHALENE
B(a)A = BENZO(a)ANTHRACENE
B(a)P = BENZO(a)PYRENE
B(b)F = BENZO(b)FLUORANTHENE
D(ah)A = DIBENZO(a,h)ANTHRACENE
I(123-cd)P = INDENO(1,2,3-cd)PYRENE
Ar = ARSENIC
Ba = BARIUM
Pb = LEAD
Hg = MERCURY
Ag = SILVER
NA = NOT ANALYZED
bold, italics = CONCENTRATION REPORTED ABOVE PROTECTION OF GROUNDWATER RCL
box = CONCENTRATION REPORTED ABOVE DIRECT CONTACT RCL FOR NON-INDUSTRIAL SITE

ALL CONCENTRATIONS REPORTED IN MICROGRAMS PER KILOGRAM (µg/kg), EXCEPT FOR METALS WHICH ARE REPORTED IN MILLIGRAMS PER KILOGRAM (mg/kg)



B-MW-2		
Sample Depth:	2	4
Date:	04/15/02	04/15/02
VOCs		
PCE	NA	<18
TCE	NA	<20
CIS-1,2-DCE	NA	<16
1,1,1-TCA	NA	<18
N	NA	<44
PAHs		
B(a)A	NA	NA
B(a)P	NA	NA
B(b)F	NA	NA
D(ah)A	NA	NA
I(123-cd)P	NA	NA
METALS		
Ar	<2.55	<2.47
Ba	145	61
Pb	NA	NA
Hg	***0.32***	***0.42***
Ag	<0.24	1.2

B-GP-16		
Sample Depth:	2	6
Date:	04/16/02	04/16/02
VOCs		
PCE	***53***	<17
TCE	<21	<20
CIS-1,2-DCE	<16	<15
1,1,1-TCA	87	<18
N	353	<43
PAHs		
B(a)A	NA	NA
B(a)P	NA	NA
B(b)F	NA	NA
D(ah)A	NA	NA
I(123-cd)P	NA	NA
METALS		
Ar	NA	NA
Ba	NA	NA
Pb	NA	NA
Hg	NA	NA
Ag	NA	NA

SB-1		
Sample Depth:	1 - 3	5 - 7
Date:	08/21/03	08/21/03
VOCs		
PCE	<25	<25
TCE	<25	<25
CIS-1,2-DCE	<25	<25
1,1,1-TCA	<25	<25
N	<25	<25
PAHs		
B(a)A	NA	NA
B(a)P	NA	NA
B(b)F	NA	NA
D(ah)A	NA	NA
I(123-cd)P	NA	NA

B-GP-14			
Sample Depth:	1	2	3
Date:	04/15/02	04/15/02	04/15/02
VOCs			
PCE	NA	***916***	NA
TCE	NA	<23	NA
CIS-1,2-DCE	NA	<18	NA
1,1,1-TCA	NA	<21	NA
N	NA	67	NA
PAHs			
B(a)A	NA	NA	NA
B(a)P	NA	NA	NA
B(b)F	NA	NA	NA
D(ah)A	NA	NA	NA
I(123-cd)P	NA	NA	NA
METALS			
Ar	<2.63	NA	<2.77
Ba	NA	NA	NA
Pb	NA	NA	NA
Hg	NA	NA	NA
Ag	NA	NA	NA

B-TW-23		
Sample Depth:	3	6
Date:	04/16/02	04/16/02
VOCs		
PCE	***115***	<17
TCE	<20	<19
CIS-1,2-DCE	<16	<15
1,1,1-TCA	***141***	<17
N	<44	<41
PAHs		
B(a)A	NA	NA
B(a)P	NA	NA
B(b)F	NA	NA
D(ah)A	NA	NA
I(123-cd)P	NA	NA
METALS		
Ar	NA	NA
Ba	NA	NA
Pb	NA	NA
Hg	NA	NA
Ag	NA	NA

MW-6		
Sample Depth:	0 - 2	4 - 6
Date:	08/21/03	08/21/03
VOCs		
PCE	<25	***51.6***
TCE	<25	<25
CIS-1,2-DCE	<25	<25
1,1,1-TCA	<25	<25
N	<25	<25
PAHs		
B(a)A	NA	NA
B(a)P	NA	NA
B(b)F	NA	NA
D(ah)A	NA	NA
I(123-cd)P	NA	NA

B-TW-22		
Sample Depth:	3	5
Date:	04/16/02	04/16/02
VOCs		
PCE	***72***	***209***
TCE	<21	<21
CIS-1,2-DCE	<16	<16
1,1,1-TCA	<19	<19
N	***604***	***2,780***
PAHs		
B(a)A	NA	NA
B(a)P	NA	NA
B(b)F	NA	NA
D(ah)A	NA	NA
I(123-cd)P	NA	NA
METALS		
Ar	NA	NA
Ba	NA	NA
Pb	NA	NA
Hg	NA	NA
Ag	NA	NA

B-GP-6		
Sample Depth:	2	6
Date:	09/27/01	09/27/01
VOCs		
PCE	***1,910***	<25
TCE	<25	***66.4***
CIS-1,2-DCE	<25	***42***
1,1,1-TCA	<25	<25
N	<24.1	<24.1
PAHs		
B(a)A	<9.1	100
B(a)P	<9.3	84
B(b)F	<13.6	141
D(ah)A	<16.2	<16.2
I(123-cd)P	<15.3	<15.3
METALS		
Ar	<2.82	NA
Ba	29.5	NA
Pb	20	NA
Hg	<0.0451	NA
Ag	***3.15***	NA

PZ-1		
Sample Depth:	2 - 4	4 - 6
Date:	08/21/03	08/21/03
VOCs		
PCE	<25	***55.6***
TCE	<25	<25
CIS-1,2-DCE	<25	<25
1,1,1-TCA	<25	<25
N	<24.1	<24.1
PAHs		
B(a)A	NA	NA
B(a)P	NA	NA
B(b)F	NA	NA
D(ah)A	NA	NA
I(123-cd)P	NA	NA

GP-1	
Sample Depth:	2 - 4
Date:	09/24/03
VOCs	
PCE	<25
TCE	<25
CIS-1,2-DCE	<25
1,1,1-TCA	<25
N	56.0
PAHs	
B(a)A	<60.3
B(a)P	15.5
B(b)F	<60.3
D(ah)A	<6.03
I(123-cd)P	<60.3

GP-2	
Sample Depth:	2 - 4
Date:	09/24/03
VOCs	
PCE	***197***
TCE	<25
CIS-1,2-DCE	<25
1,1,1-TCA	<25
N	<25
PAHs	
B(a)A	<51.2
B(a)P	21.9
B(b)F	<51.2
D(ah)A	<5.12
I(123-cd)P	<51.2

GP-3	
Sample Depth:	2 - 4
Date:	09/24/03
VOCs	
PCE	<25
TCE	<25
CIS-1,2-DCE	<25
1,1,1-TCA	<25
N	<25
PAHs	
B(a)A	<57.1
B(a)P	30.1
B(b)F	<57.1
D(ah)A	17.3
I(123-cd)P	<57.1

GP-4	
Sample Depth:	2 - 4
Date:	09/24/03
VOCs	
PCE	***217***
TCE	<25
CIS-1,2-DCE	<25
1,1,1-TCA	<25
N	63.0
PAHs	
B(a)A	<56.0
B(a)P	45.1
B(b)F	<56.0
D(ah)A	6.67
I(123-cd)P	<56.0

B-GP-5		
Sample Depth:	2	6
Date:	09/27/01	09/27/01
VOCs		
PCE	<25	<25
TCE	<25	<25
CIS-1,2-DCE	<25	<25
1,1,1-TCA	<25	<25
N	<24.1	<24.1
PAHs		
B(a)A	<9.1	<9.1
B(a)P	<9.3	<9.3
B(b)F	<13.6	<13.6
D(ah)A	<16.2	<16.2
I(123-cd)P	<15.3	<15.3
METALS		
Ar	<2.88	NA
Ba	64.4	NA
Pb	41.3	NA
Hg	<0.0461	NA
Ag	<2.88	NA

B-GP-4		
Sample Depth:	2	5
Date:	09/27/01	09/27/01
VOCs		
PCE	<25	<25
TCE	<25	<25
CIS-1,2-DCE	<25	<25
1,1,1-TCA	98.5	<25
N	<24.1	<24.1
PAHs		
B(a)A	462	145
B(a)P	511	158
B(b)F	639	202
D(ah)A	72	<16.2
I(123-cd)P	263	81
METALS		
Ar	<2.87	NA
Ba	68.2	NA
Pb	21.7	NA
Hg	<0.046	NA
Ag	<2.87	NA

SB-2		
Sample Depth:	2 - 4	4 - 6
Date:	08/21/03	08/21/03
VOCs		
PCE	<25	<25
TCE	<25	<25
CIS-1,2-DCE	<25	<25
1,1,1-TCA	<25	<25
N	<25	<25
PAHs		
B(a)A	NA	NA
B(a)P	NA	NA
B(b)F	NA	NA
D(ah)A	NA	NA
I(123-cd)P	NA	NA

B-GP-2		
Sample Depth:	2	5
Date:	09/27/01	09/27/01
VOCs		
PCE	<25	<25
TCE	<25	<25
CIS-1,2-DCE	<25	<25
1,1,1-TCA	<25	<25
N	<24.1	<24.1
PAHs		
B(a)A	467	82
B(a)P	449	81
B(b)F	789	127
D(ah)A	55	<16.2
I(123-cd)P	225	40
METALS		
Ar	<3.00	NA
Ba	59.9	NA
Pb	42.6	NA
Hg	0.0869	NA
Ag	<3.11	NA

B-GP-3		
Sample Depth:	2	5
Date:	09/27/01	09/27/01
VOCs		
PCE	<25	<25
TCE	<25	<25
CIS-1,2-DCE	<25	<25
1,1,1-TCA	<25	<25
N	200	<24.1
PAHs		
B(a)A	318	24
B(a)P	218	<9.3
B(b)F	283	<13.6
D(ah)A	<16.2	<16.2
I(123-cd)P	119	<15.3
METALS		
Ar	<2.85	NA
Ba	59.2	NA
Pb	26.7	NA
Hg	0.0539	NA
Ag	<2.85	NA

B-TW-1		
Sample Depth:	2	5
Date:	09/27/01	09/27/01
VOCs		
PCE	<25	<25
TCE	<25	<25
CIS-1,2-DCE	<25	<25
1,1,1-TCA	<25	<25
N	<24.1	<24.1
PAHs		
B(a)A	1,250	89
B(a)P	1,090	179
B(b)F	1,970	255
D(ah)A	<16.2	55
I(123-cd)P	528	180
METALS		
Ar	<3.11	NA
Ba	55.9	NA
Pb	36.6	NA
Hg	0.0519	NA
Ag	NA	NA

MW-11	
Sample Depth:	2 - 4
Date:	03/03/04
VOCs	
PCE	<25
TCE	<25
CIS-1,2-DCE	<25
1,1,1-TCA	<25
N	<25
PAHs	
B(a)A	NA
B(a)P	NA
B(b)F	NA
D(ah)A	NA
I(123-cd)P	NA

MW-10	
Sample Depth:	2 - 4
Date:	03/02/04
VOCs	
PCE	***55.4***
TCE	<25
CIS-1,2-DCE	<25
1,1,1-TCA	<25
N	37.9
PAHs	
B(a)A	NA
B(a)P	NA
B(b)F	NA
D(ah)A	NA
I(123-cd)P	NA

GP-5	
Sample Depth:	0 - 4
Date:	03/01/04
VOCs	
PCE	NA
TCE	NA
CIS-1,2-DCE	NA
1,1,1-TCA	NA
N	NA
PAHs	
B(a)A	NA
B(a)P	NA
B(b)F	NA
D(ah)A	NA
I(123-cd)P	NA

MW-9	
Sample Depth:	2 - 4
Date:	03/02/04
VOCs	
PCE	<25
TCE	<25
CIS-1,2-DCE	<25
1,1,1-TCA	<25
N	<25
PAHs	
B(a)A	NA
B(a)P	NA
B(b)F	NA
D(ah)A	NA
I(123-cd)P	NA

GP-8	
Sample Depth:	0 - 4
Date:	03/01/04
VOCs	
PCE	<25
TCE	<25
CIS-1,2-DCE	<25
1,1,1-TCA	<25
N	<25
PAHs	
B(a)A	NA
B(a)P	NA
B(b)F	NA
D(ah)A	NA
I(123-cd)P	NA

GP-7	
Sample Depth:	0 - 4
Date:	03/01/04
VOCs	
PCE	***198***
TCE	<25
CIS-1,2-DCE	<25
1,1,1-TCA	<25
N	<25
PAHs	
B(a)A	NA
B(a)P	NA
B(b)F	NA
D(ah)A	NA
I(123-cd)P	NA

B-GP-7		
Sample Depth:	2	6
Date:	09/27/01	09/27/01
VOCs		
PCE	***39.6***	<25
TCE	<32.7	<25
CIS-1,2-DCE	<32.7	<25
1,1,1-TCA	122	<25
N	<24.1	<24.1
PAHs		
B(a)P	65	72
B(a)P	54	56
B(b)F	107	<13.6
D(ah)A	<16.2	<16.2
I(123-cd)P	<15.3	<15.3
METALS		
Ar	<2.99	NA
Ba	55.3	NA
Pb	26.6	NA
Hg	<0.0478	NA
Ag	***4.67***	NA

B-GP-8		
Sample Depth:	2	5
Date:	09/27/01	09/27/01
VOCs		
PCE	<25	<25
TCE	<25	<25
CIS-1,2-DCE	<25	<25
1,1,1-TCA	<25	<25
N	<24.1	103
PAHs		
B(a)A	268	670
B(a)P	282	497
B(b)F	532	995
D(ah)A	42	<16.2
I(123-cd)P	168	253
METALS		
Ar	<3.06	NA
Ba	<30.6	NA
Pb	18.7	NA
Hg	0.0655	NA
Ag	<3.06	NA

MW-7		
Sample Depth:	3 - 5	5 - 7
Date:	08/21/03	08/21/03
VOCs		
PCE	***63.5***	<25
TCE	<25	<25
CIS-1,2-DCE	<25	<25
1,1,1-TCA	<25	<25
N	***588***	82.7
PAHs		
B(a)A	NA	NA
B(a)P	NA	NA
B(b)F	NA	NA
D(ah)A	NA	NA
I(123-cd)P	NA	NA

MW-4		
Sample Depth:	1 - 3	5 - 7
Date:	08/21/03	08/21/03
VOCs		
PCE	***46.1***	***37.6***
TCE	<25	<25
CIS-1,2-DCE	<25	<25
1,1,1-TCA	<25	<25
N	<25	<25
PAHs		
B(a)A	NA	NA
B(a)P	NA	NA
B(b)F	NA	NA
D(ah)A	NA	NA
I(123-cd)P	NA	NA

MW-8	
Sample Depth:	2 - 4
Date:	03/02/04
VOCs	
PCE	***77.9***
TCE	<25
CIS-1,2-DCE	<25
1,1,1-TCA	35.8
N	31.5
PAHs	
B(a)A	NA
B(a)P	NA
B(b)F	NA
D(ah)A	NA
I(123-cd)P	NA

GP-6	
Sample Depth:	0 - 4
Date:	03/01/04
VOCs	
PCE	***136***
TCE	<25
CIS-1,2-DCE	<25
1,1,1-TCA	<25
N	<25
PAHs	
B(a)A	NA
B(a)P	NA
B(b)F	NA
D(ah)A	NA
I(123-cd)P	NA

B-MW-3		
Sample Depth:	1	6
Date:	04/17/02	04/17/02
VOCs		
PCE	NA	NA
TCE	NA	NA
CIS-1,2-DCE	NA	NA
1,1,1-TCA	NA	NA
N	NA	NA
PAHs		
B(a)A	NA	NA
B(a)P	NA	NA
B(b)F	NA	NA
D(ah)A	NA	NA
I(123-cd)P	NA	NA
METALS		
Ar	NA	NA
Ba	***184***	***326***
Pb	NA	NA
Hg	<0.147	0.19
Ag	<0.29	2.1

B-GP-17		
Sample Depth:	3	6
Date:	04/16/02	04/16/02
VOCs		
PCE	***6,260***	***76***
TCE	<23	<22
CIS-1,2-DCE	<18	<17
1,1,1-TCA	95	53
N	<50	<47
PAHs		
B(a)A	NA	NA
B(a)P	NA	NA
B(b)F	NA	NA
D(ah)A	NA	NA
I(123-cd)P	NA	NA
METALS		
Ar	NA	NA
Ba	NA	NA
Pb	NA	NA
Hg	NA	NA
Ag	NA	NA

B-MW-1			
Sample Depth:	2	3.5	5
Date:	04/15/02	04/15/02	04/15/02
VOCs			
PCE	***2,640***	***18,600***	***7,500***
TCE	<32	<24	<24
CIS-1,2-DCE	<25	<19	<19
1,1,1-TCA	<29	<21	<22
N	<71	83	<53
PAHs			
B(a)A	NA	NA	NA
B(a)P	NA	NA	NA
B(b)F	NA	NA	NA
D(ah)A	NA	NA	NA
I(123-cd)P	NA	NA	NA
METALS			
Ar	NA	NA	NA
Ba	NA	NA	NA
Pb	NA	NA	NA
Hg	NA	NA	NA
Ag	NA	NA	NA

B-GP-18			
Sample Depth:	0.5	3	5.5
Date:	04/16/02	04/16/02	04/16/02
VOCs			
PCE	NA	***1,190***	***412***
TCE	NA	<24	<21
CIS-1,2-DCE	NA	<19	<16
1,1,1-TCA	NA	<22	<19
N	NA	<52	<46
PAHs			
B(a)A	NA	NA	NA
B(a)P	NA	NA	NA
B(b)F	NA	NA	NA
D(ah)A	NA	NA	NA
I(123-cd)P	NA	NA	NA
METALS			
Ar	NA	<2.57	<2.54
Ba	NA	NA	NA
Pb	NA	NA	NA
Hg	NA	NA	NA
Ag	NA	NA	NA

B-TW-21	
Sample Depth:	3
Date:	04/16/02
VOCs	
PCE	***19,700***
TCE	<20
CIS-1,2-DCE	<16
1,1,1-TCA	***144***
N	132
PAHs	
B(a)A	NA
B(a)P	NA
B(b)F	NA
D(ah)A	NA
I(123-cd)P	NA
METALS	
Ar	NA
Ba	NA
Pb	NA
Hg	NA
Ag	NA

B-GP-11			
Sample Depth:	1	2	3
Date:	04/15/02	04/15/02	04/15/02
VOCs			
PCE	NA	***466***	NA
TCE	NA	<22	NA
CIS-1,2-DCE	NA	<17	NA
1,1,1-TCA	NA	<20	NA
N	NA	<48	NA
PAHs			
B(a)A	NA	NA	NA
B(a)P	NA	NA	NA
B(b)F	NA	NA	NA
D(ah)A	NA	NA	NA
I(123-cd)P	NA	NA	NA
METALS			
Ar	<2.69	NA	<2.91
Ba	NA	NA	NA
Pb	NA	NA	NA
Hg	NA	NA	NA
Ag	NA	NA	NA

B-GP-13		
Sample Depth:	2	3
Date:	04/15/02	04/15/02
VOCs		
PCE	***20,600***	NA
TCE	<20	NA
CIS-1,2-DCE	<16	NA
1,1,1-TCA	<18	NA
N	<44	NA
PAHs		
B(a)A	NA	NA
B(a)P	NA	NA
B(b)F	NA	NA
D(ah)A	NA	NA
I(123-cd)P	NA	NA
METALS		
Ar	NA	<2.7
Ba	NA	NA
Pb	NA	NA
Hg	NA	NA
Ag	NA	NA

B-TW-19			
Sample Depth:	0.5	2	5.5
Date:	04/16/02	04/16/02	04/16/02
VOCs			
PCE	NA	***12,100***	***985***
TCE	NA	<24	<21
CIS-1,2-DCE	NA	<19	<17
1,1,1-TCA	NA	<22	23
N	NA	<52	<47
PAHs			
B(a)A	NA	NA	NA
B(a)P	NA	NA	NA
B(b)F	NA	NA	NA
D(ah)A	NA	NA	NA
I(123-cd)P	NA	NA	NA
METALS			
Ar	NA	<2.62	<2.6
Ba	NA	NA	NA
Pb	NA	NA	NA
Hg	NA	NA	NA
Ag	NA	NA	NA

PZ-2		
Sample Depth:	1 - 3	26 - 30
Date:	03/01/04	03/01/04
VOCs		
PCE	***5,800***	<25
TCE	***46.2***	<25
CIS-1,2-DCE	<25	<25
1,1,1-TCA	<25	<25
N	<25	51.7
PAHs		
B(a)A	NA	NA
B(a)P	NA	NA
B(b)F	NA	NA
D(ah)A	NA	NA
I(123-cd)P	NA	NA

B-GP-10		
Sample Depth:	2	5
Date:	09/28/01	09/28/01
VOCs		
PCE	***3,480***	<25
TCE	<25	<25
CIS-1,2-DCE	<25	<25
1,1,1-TCA	<25	<25
N	<24.1	<24.1
PAHs		
B(a)A	86	<9.1
B(a)P	75	<9.3
B(b)F	<13.6	<13.6
D(ah)A	<16.2	<16.2
I(123-cd)P	36	<15.3
METALS		
Ar	<2.91	NA
Ba	58.7	NA
Pb	69.3	NA
Hg	0.0652	NA
Ag	<2.91	NA

B-GP-15		
Sample Depth:	2	5.5
Date:	04/16/02	04/16/02
VOCs		
PCE	***1,390***	***53***
TCE	<22	<21
CIS-1,2-DCE	<17	<17
1,1,1-TCA	<20	<19
N	92	<46
PAHs		
B(a)A	NA	NA
B(a)P	NA	NA
B(b)F	NA	NA
D(ah)A	NA	NA
I(123-cd)P	NA	NA
METALS		
Ar	NA	NA
Ba	NA	NA
Pb	NA	NA
Hg	NA	NA
Ag	NA	NA

B-GP-12			
Sample Depth:	1	2	3
Date:	04/15/02	04/15/02	04/15/02
VOCs			
PCE	NA	***98***	NA
TCE	NA	<20	NA
CIS-1,2-DCE	NA	<16	NA
1,1,1-TCA	NA	<18	NA
N	NA	<44	NA
PAHs			
B(a)A	NA	NA	NA
B(a)P	NA	NA	NA
B(b)F	NA	NA	NA
D(ah)A	NA	NA	NA
I(123-cd)P	NA	NA	NA
METALS			
Ar	<2.48	NA	<2.81
Ba	NA	NA	NA
Pb	NA	NA	NA
Hg	NA	NA	NA
Ag	NA	NA	NA

B-GP-9		
Sample Depth:	2	5
Date:	09/27/01	09/27/01
VOCs		
PCE	***1,550***	***7,670***
TCE	<34.7	***64.8***
CIS-1,2-DCE	<34.7	<25
1,1,1-TCA	<34.7	<25
N	<24.1	<24.1
PAHs		
B(a)A	36	43
B(a)P	29	34
B(b)F	61	41
D(ah)A	<16.2	<16.2
I(123-cd)P	<15.3	<15.3
METALS		
Ar	***26.6***	NA
Ba	120	NA
Pb	219	NA
Hg	0.0674	NA
Ag	<3.15	NA

B-TW-20			
Sample Depth:	0.5	3.5	5.5
Date:	04/16/02	04/16/02	04/16/02
VOCs			
PCE	NA	***11,600***	NA
TCE	NA	<25	NA
CIS-1,2-DCE	NA	<20	NA
1,1,1-TCA	NA	89	NA
N	NA	97	NA
PAHs			
B(a)A	NA	NA	NA
B(a)P	NA	NA	NA
B(b)F	NA	NA	NA
D(ah)A	NA	NA	NA
I(123-cd)P	NA	NA	NA
METALS			
Ar	<2.87	NA	<2.85
Ba	NA	NA	NA
Pb	NA	NA	NA
Hg	NA	NA	NA
Ag	NA	NA	NA

SOIL IMPACTS

- = ESTIMATED EXTENT OF PCE IMPACTS >DIRECT CONTACT RCLs FOR NON-INDUSTRIAL LAND USE
- = ESTIMATED EXTENT OF ARSENIC AND/OR LEAD IMPACTS >DIRECT CONTACT RCLs FOR NON-INDUSTRIAL LAND USE
- = ESTIMATED EXTENT OF PAH IMPACTS >DIRECT CONTACT RCLs FOR NON-INDUSTRIAL LAND USE

LEGEND

- = MANHOLE
- = TEMP. WELL (TRIAD)
- = GEOPROBE (TRIAD)
- PZ = PIEZOMETER LOCATION (SIGMA)
- MW = MONITORING WELL LOCATION (SIGMA)
- GP = GEOPROBE LOCATION (SIGMA)
- SB = SOIL BORING LOCATION (SIGMA)
- WV = WATER VALVE
- = POWER POLE
- W = UNDERGROUND WATER LINE
- G = UNDERGROUND GAS LINE
- X = FENCE
- = PROPERTY LINE

NOTE:
THIS PLAN BASED ON A SURVEY PERFORMED BY EMCS.

THE SIGMA GROUP
SIGMA ENVIRONMENTAL SERVICES, INC.
SIGMA DEVELOPMENT, INC.
SIGMA LEASING, INC.

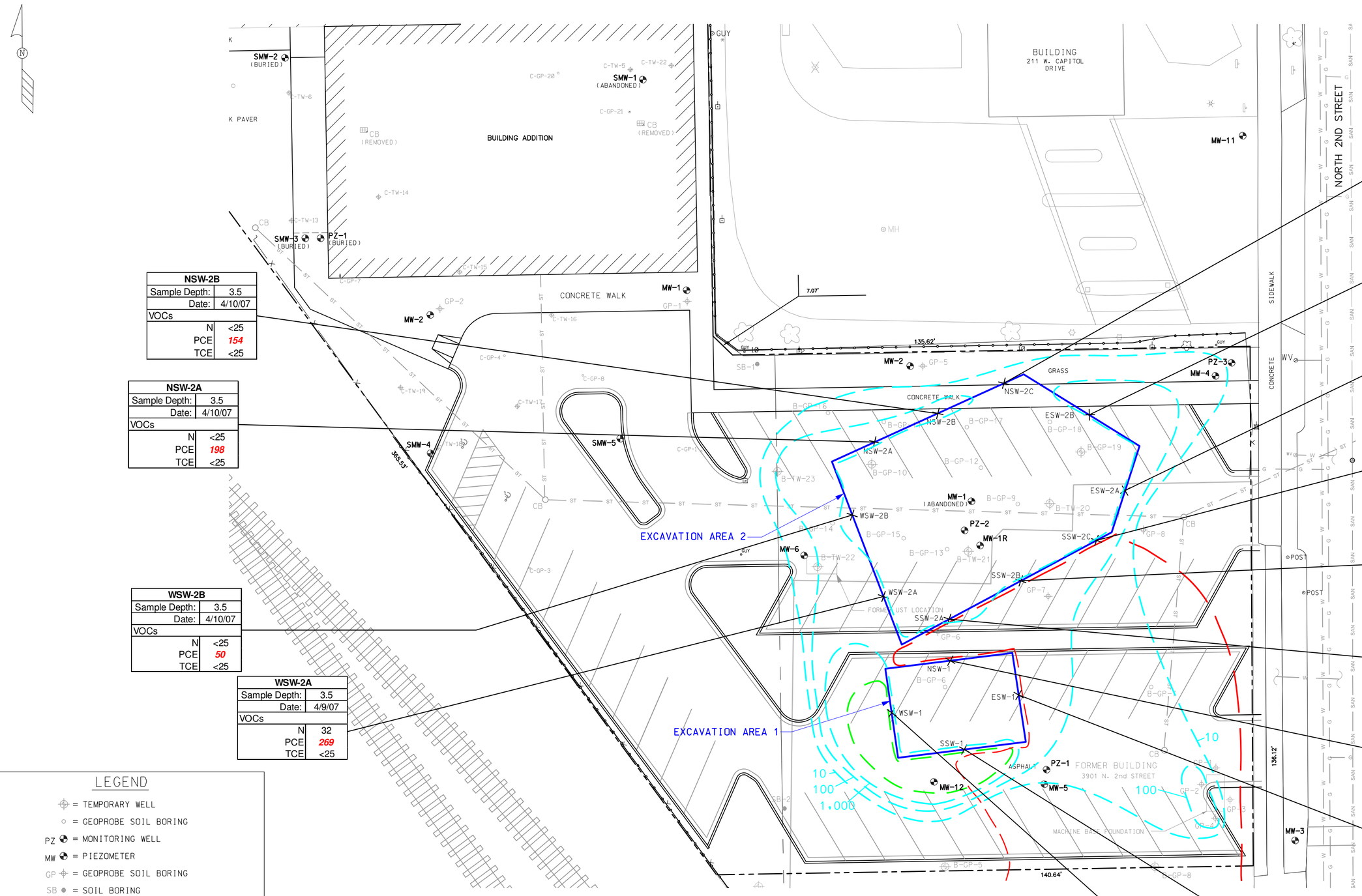
1300 W. CANAL STREET
MILWAUKEE, WISCONSIN 53233
PHONE : (414) 643-4200
1-800-732-4671

	NAME:	DATE:
DRAWN BY:	BEB	6-28-06
DESIGNED BY:		
CHECKED BY:		
APPROVED BY:		

CITY OF MILWAUKEE
3901 N. 2nd ST., MILWAUKEE, WISCONSIN
SOIL QUALITY MAP

DRAWING NUMBER
8111-017

FIGURE 5



NSW-2B	
Sample Depth:	3.5
Date:	4/10/07
VOCs	
N	<25
PCE	***154***
TCE	<25

NSW-2A	
Sample Depth:	3.5
Date:	4/10/07
VOCs	
N	<25
PCE	***198***
TCE	<25

WSW-2B	
Sample Depth:	3.5
Date:	4/10/07
VOCs	
N	<25
PCE	***50***
TCE	<25

WSW-2A	
Sample Depth:	3.5
Date:	4/9/07
VOCs	
N	32
PCE	***269***
TCE	<25

NSW-2C	
Sample Depth:	3.5
Date:	4/10/07
VOCs	
N	<25
PCE	***51***
TCE	<25

ESW-2B	
Sample Depth:	3.5
Date:	4/10/07
VOCs	
N	<25
PCE	***137***
TCE	<25

ESW-2A	
Sample Depth:	3.5
Date:	4/10/07
VOCs	
N	<25
PCE	***530***
TCE	<25

SSW-2C	
Sample Depth:	3.5
Date:	4/10/07
VOCs	
N	<25
PCE	***620***
TCE	<25

SSW-2B	
Sample Depth:	3.5
Date:	4/9/07
VOCs	
N	<25
PCE	***740***
TCE	<25

SSW-2A	
Sample Depth:	3.5
Date:	4/9/07
VOCs	
N	<25
PCE	***52***
TCE	<25

NSW-1	
Sample Depth:	3.5
Date:	4/9/07
VOCs	
N	<25
PCE	***490***
TCE	<25

ESW-1	
Sample Depth:	3.5
Date:	4/9/07
VOCs	
N	<25
PCE	***283***
TCE	<25

WSW-1	
Sample Depth:	3.5
Date:	4/9/07
VOCs	
N	<25
PCE	***3,800***
TCE	***58***

SSW-1	
Sample Depth:	3.5
Date:	4/9/07
VOCs	
N	<25
PCE	***7,100***
TCE	<25

LEGEND

- = TEMPORARY WELL
- = GEOPROBE SOIL BORING
- PZ = MONITORING WELL
- MW = PIEZOMETER
- GP = GEOPROBE SOIL BORING
- SB = SOIL BORING
- WV = WATER VALVE
- = POWER POLE
- CB, CB = CATCH BASIN
- MH = MANHOLE
- = FENCE
- = UNDERGROUND STORM SEWER LINE
- = UNDERGROUND GAS LINE
- = UNDERGROUND SANITARY SEWER LINE
- = UNDERGROUND WATER LINE
- = PROPERTY LINE
- = POST-EXCAVATION SOIL SAMPLE

SOIL IMPACTS

- = ESTIMATED PCE ISOCONCENTRATION CONTOUR (ug/Kg)
- = ESTIMATED EXTENT OF PCE IMPACTS > DIRECT CONTACT RCLs FOR NON-INDUSTRIAL LAND USE
- = ESTIMATED EXTENT OF PAH IMPACTS > DIRECT CONTACT RCLs FOR NON-INDUSTRIAL LAND USE

* FOR SOIL DATA COLLECTED DURING SITE INVESTIGATION, REFER TO SOIL QUALITY MAP (FIGURE 5) OF SIGMA'S JUNE 2006 REMEDIAL ACTION PLAN

ANALYTICAL KEY

N = NAPHTHALENE
PCE = TETRACHLOROETHENE
TCE = TRICHLOROETHENE
bold, italics = CONCENTRATION REPORTED ABOVE PROTECTION OF GROUNDWATER RCL
box = CONCENTRATION REPORTED ABOVE DIRECT CONTACT RCL FOR NON-INDUSTRIAL SITE

ALL CONCENTRATIONS REPORTED IN MICROGRAMS PER KILOGRAM (µg/kg)

THE SIGMA GROUP
Single Source. Sound Solutions.
www.thesigmagroup.com
1300 West Canal Street
Milwaukee, Wisconsin 53233
Phone: 414-643-4200
Fax: 414-643-4210

SCALE – 1" = 20' – 0" 0' 10' 20' 30' 40'

NO	DATE	REVISIONS	BY	APVD

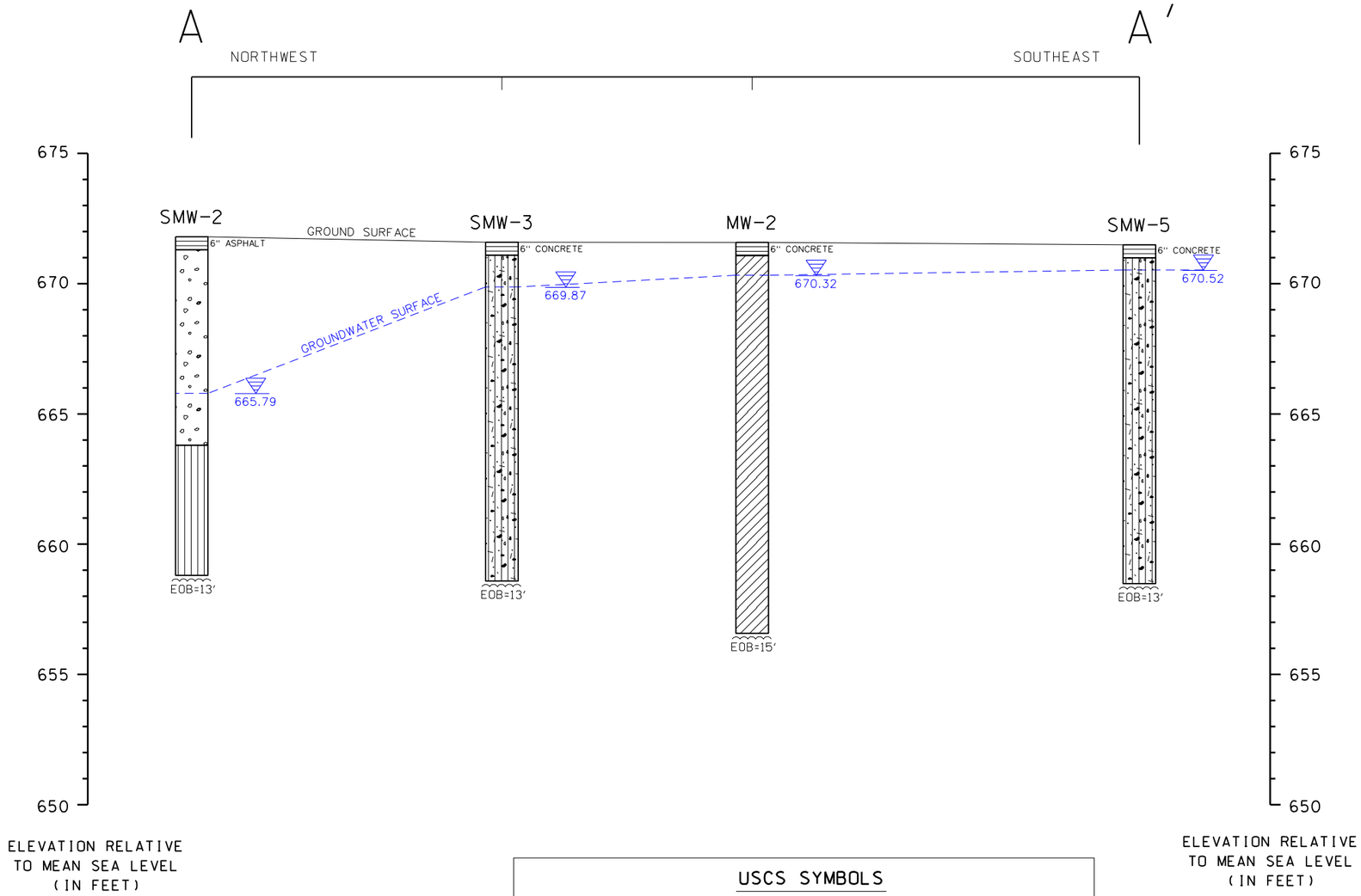
	NAME:	DATE:
DRAWN BY:	JRM	7–31–07
DESIGNED BY:		
CHECKED BY:		
APPROVED BY:		

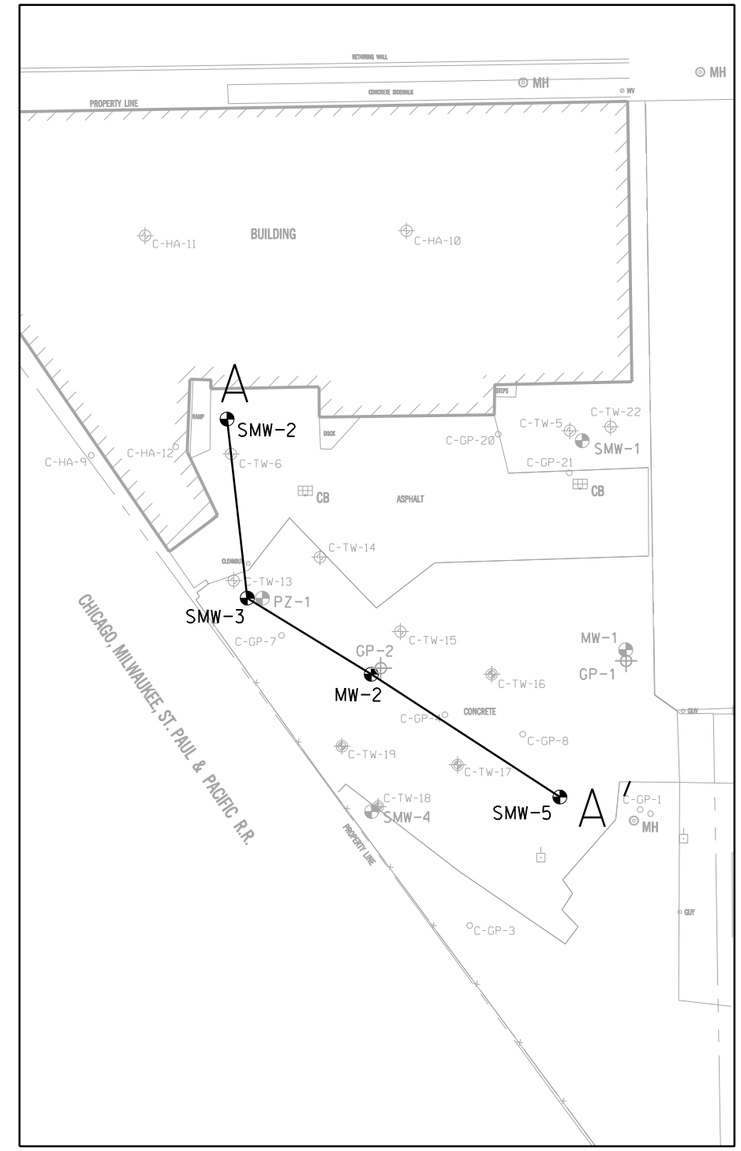
CAPITOL CROSSING REDEVELOPMENT PROJECT
225 W. CAPITOL DR. & NORTH HALF OF 3901 N. 2ND ST. MILWAUKEE, WI
REMEDIAL SOIL EXCAVATIONS MAP

DRAWING NUMBER
9841–010

FIGURE 3

K:\Williams Development\9841\9841-010.dwg, F3-RSEM, 2/17/2009 1:27:52 PM, Previous paper size (17.00 x 22.00 inches), 1:1





GEOLOGIC CROSS SECTION
LOCATION MAP
SCALE: NTS

LEGEND

= WELL SCREEN INTERVAL

= STATIC WATER LEVEL (MEASURED 7-14-04)

USCS SYMBOLS

CL - INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SAND CLAYS, SILTY CLAYS, LEAN CLAYS.

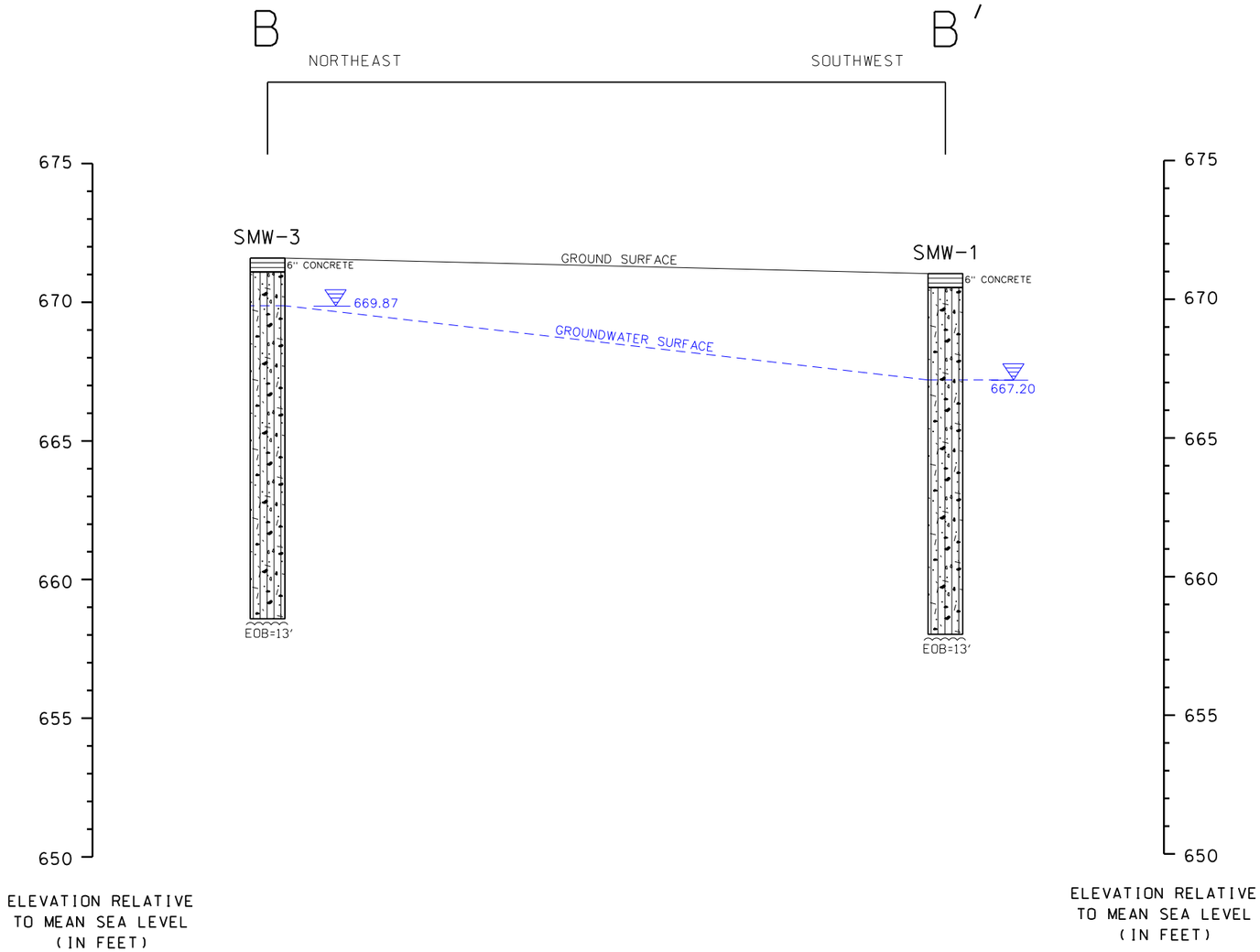
SM - SILTY - SANDS, SAND - SILT MIXTURES.

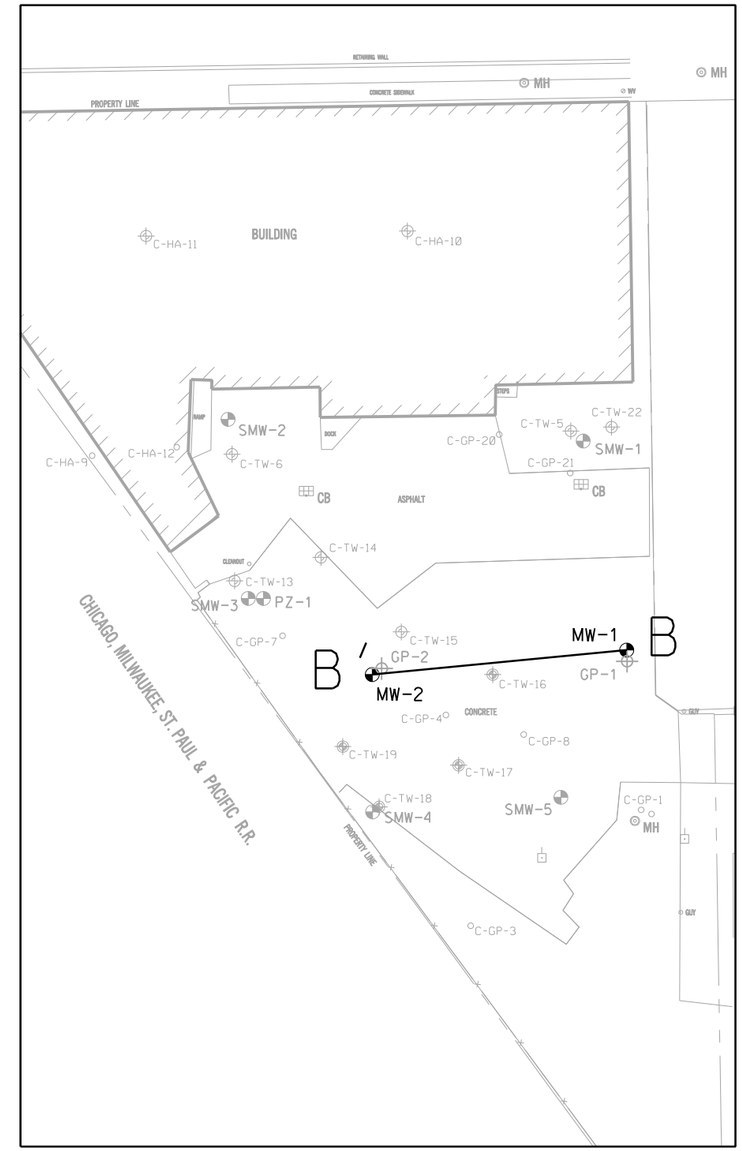
ML - INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY.

SW - WELL - GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES.

NOTES:
HORIZONTAL SCALE 1" = 40'
VERTICAL SCALE 1" = 5'

CITY OF MILWAUKEE 225 W. CAPITOL DRIVE, MILWAUKEE, WI			SIGMA ENVIRONMENTAL SERVICES INC.
DATE: 7-27-04	DR. BY: BEB	DR.# 8110-007	SCALE: SEE NOTES
GEOLOGIC CROSS SECTION A - A'			FIGURE 3





GEOLOGIC CROSS SECTION
LOCATION MAP
SCALE: NTS

LEGEND

= WELL SCREEN INTERVAL

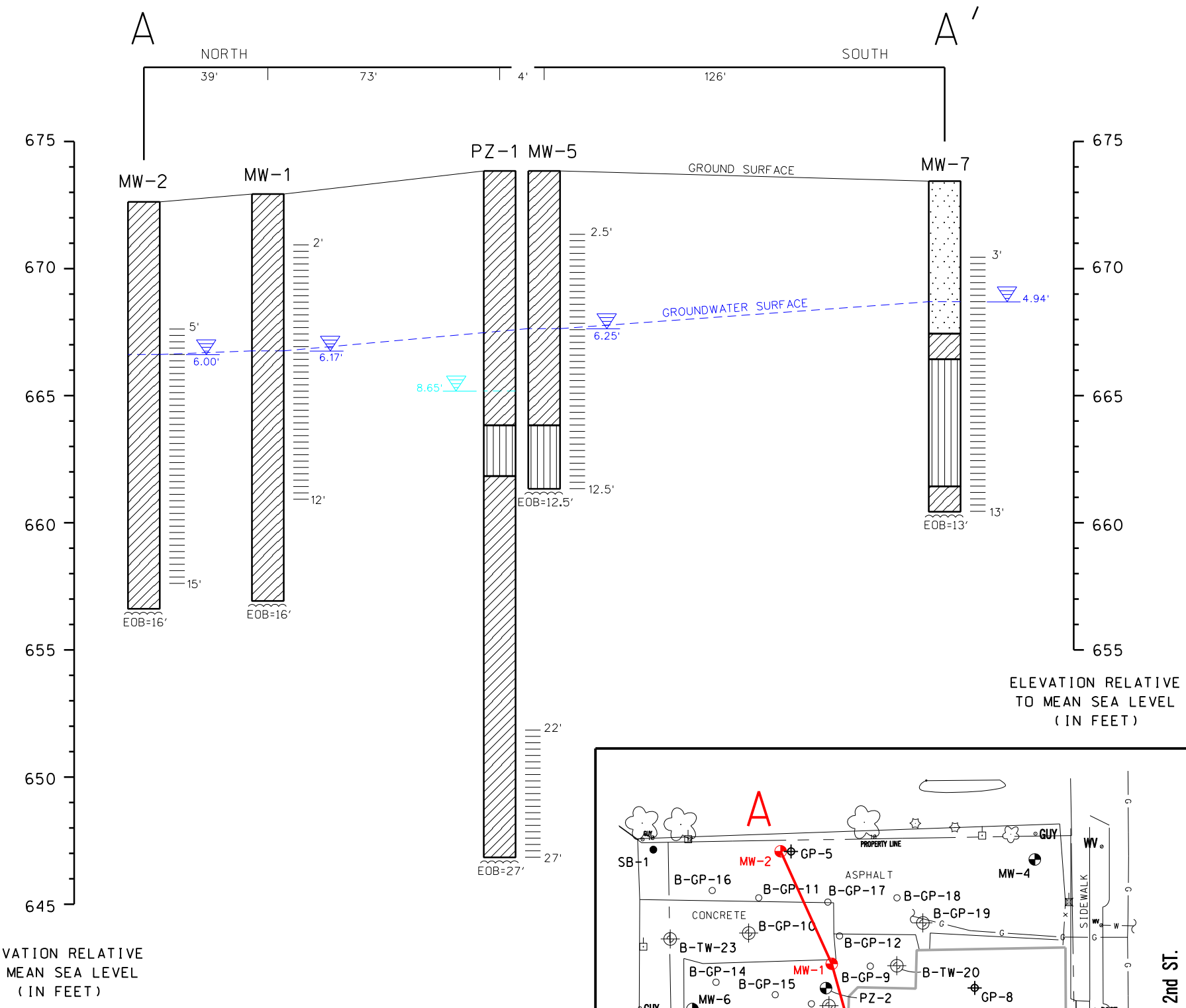
= STATIC WATER LEVEL (MEASURED 7-14-04)

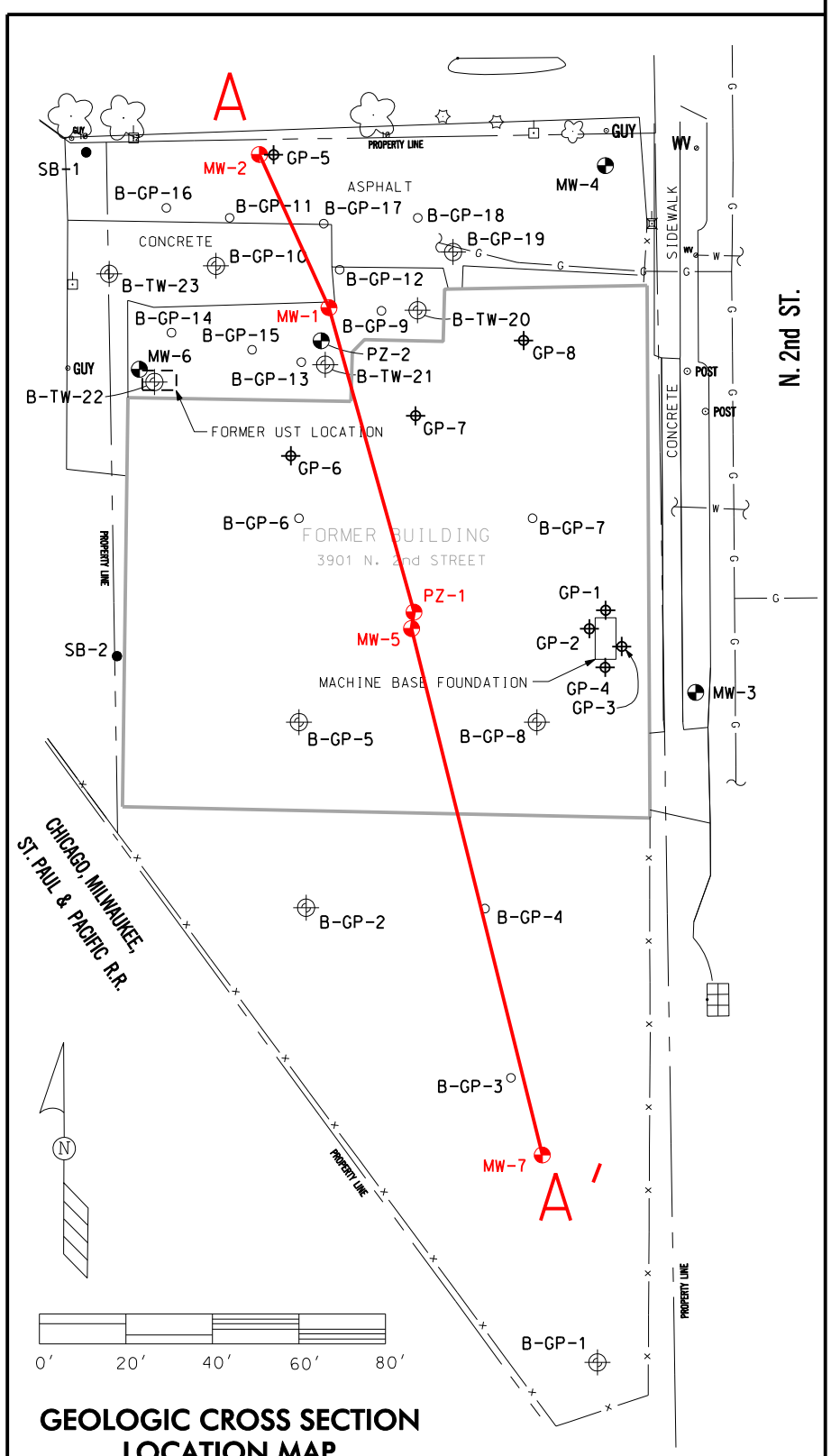
USCS SYMBOLS

SM - SILTY - SANDS, SAND - SILT MIXTURES.

NOTES:
HORIZONTAL SCALE 1" = 40'
VERTICAL SCALE 1" = 5'

CITY OF MILWAUKEE 225 W. CAPITOL DRIVE, MILWAUKEE, WI			SIGMA ENVIRONMENTAL SERVICES INC.
DATE: 7-27-04	DR. BY: BEB	DR.# 8110-008	SCALE: SEE NOTES
GEOLOGIC CROSS SECTION B - B'			FIGURE 4





GEOLOGIC CROSS SECTION LOCATION MAP

LEGEND

= WELL SCREEN INTERVAL

= STATIC WATER LEVEL (MEASURED 8-9-04)

USCS SYMBOLS

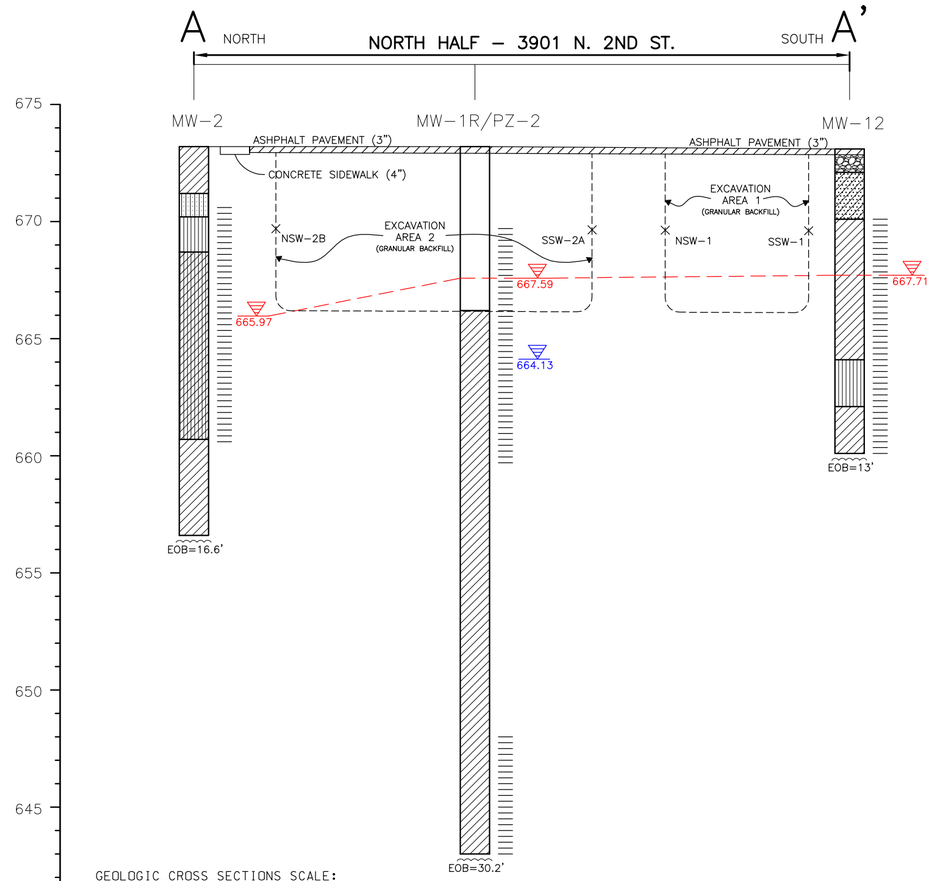
ML - INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY.

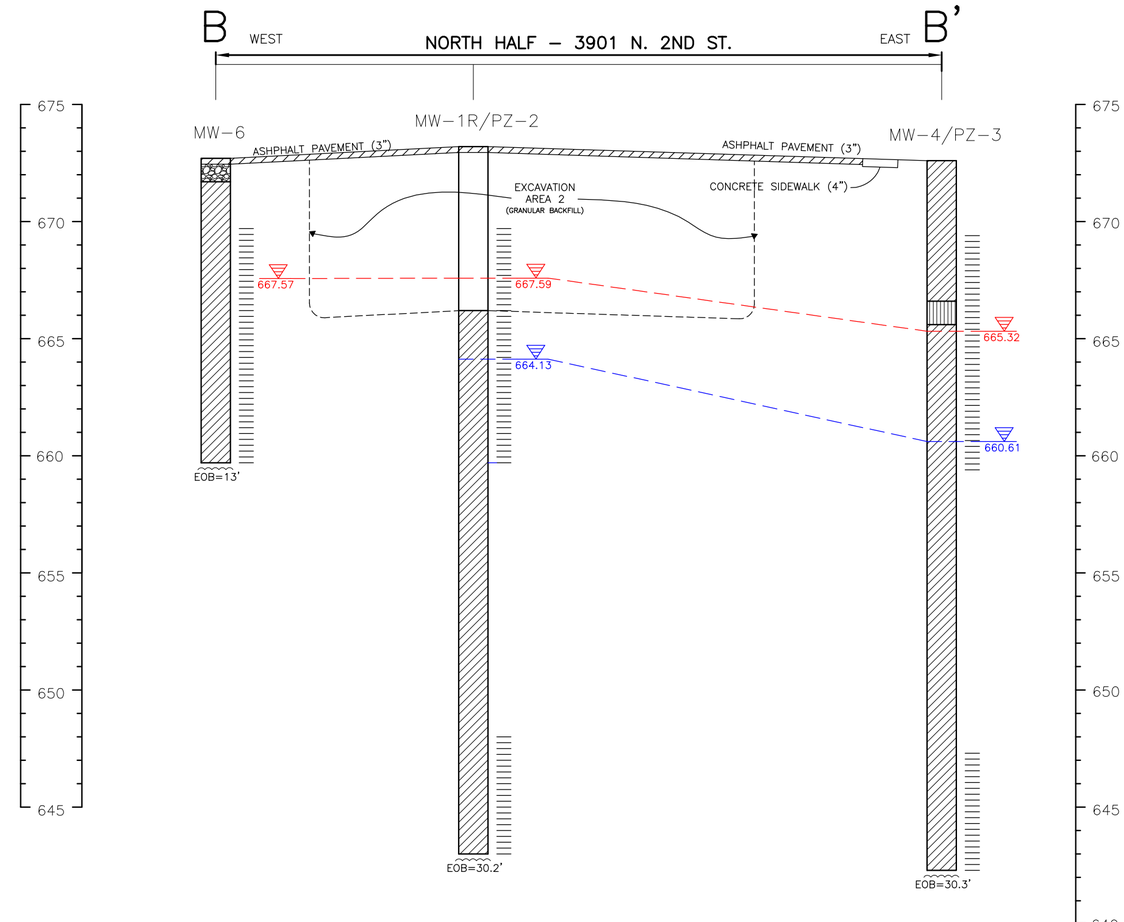
CL - INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SAND CLAYS, SILTY CLAYS, LEAN CLAYS.

SP - POORLY - GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES.

NOTES:
HORIZONTAL SCALE 1" = 40'
VERTICAL SCALE 1" = 5'

CITY OF MILWAUKEE 3901 N. 2nd ST., MILWAUKEE, WI			SIGMA ENVIRONMENTAL SERVICES INC.
DATE: 1-12-05	DR. BY: BEB	DR.# 8111-008	SCALE: 1" = 40'
GEOLOGICIC CROSS SECTION MAP A-A'			FIGURE 3

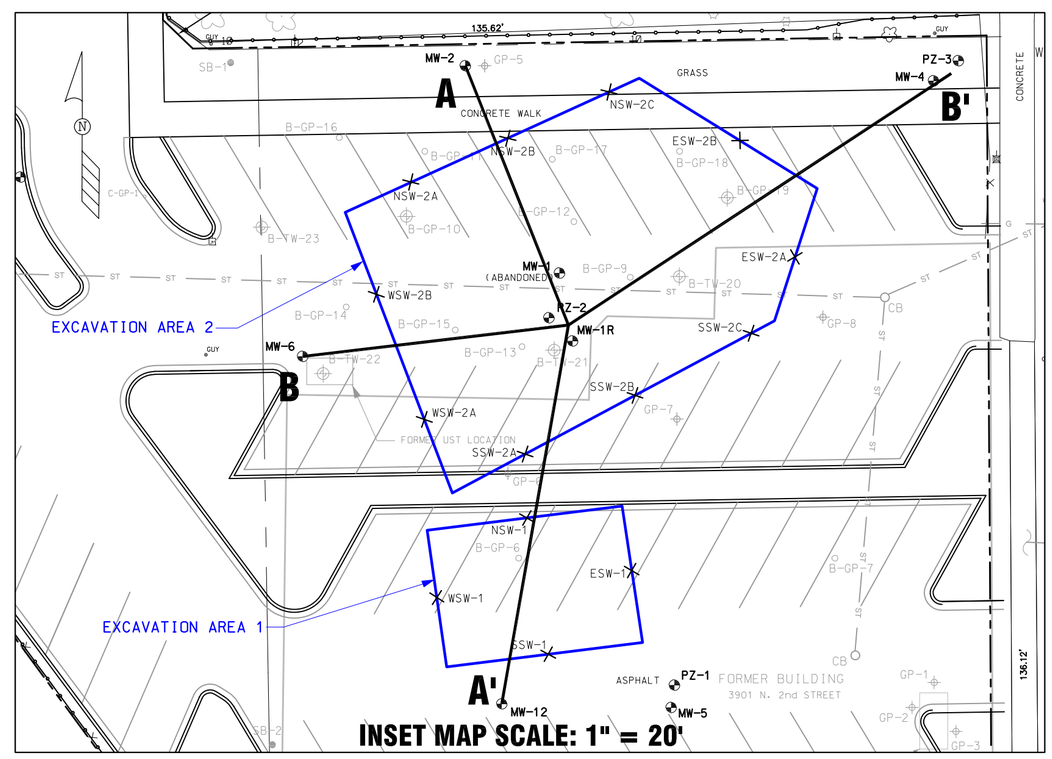




GEOLOGIC CROSS SECTIONS SCALE:

HORIZONTAL SCALE 1" = 20'

VERTICAL SCALE 1" = 5'



LEGEND

- = TEMPORARY WELL
- = GEOPROBE SOIL BORING
- PZ = MONITORING WELL
- MW = PIEZOMETER
- GP = GEOPROBE SOIL BORING
- SB = SOIL BORING
- WV = WATER VALVE
- = POWER POLE
- CB, CB = CATCH BASIN
- MH = MANHOLE
- = FENCE
- ST = UNDERGROUND STORM SEWER LINE
- G = UNDERGROUND GAS LINE
- SAN = UNDERGROUND SANITARY SEWER LINE
- W = UNDERGROUND WATER LINE
- = PROPERTY LINE
- = POST-EXCAVATION SOIL SAMPLE

CROSS SECTION LEGEND

- = WELL SCREEN INTERVAL
- = SHALLOW GROUNDWATER ELEVATION (NOV. 2008)
- = POTENTIOMETRIC SURFACE (NOV. 2008)

SYMBOLS

- CL – INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SAND CLAYS, SILTY CLAYS, LEAN CLAYS.
- ML – INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY.
- CL–ML – INORGANIC SILT – CLAY MIXTURES, LOW TO MEDIUM PLASTICITY.
- SM – SILTY – SANDS, SAND – SILT MIXTURES.
- GC – CLAYEY SANDS, SAND – CLAY MIXTURES
- GW – WELL – GRADED GRAVELS, GRAVEL – SAND MIXTURES LITTLE OR NO FINES.

THE SIGMA GROUP
Single Source. Sound Solutions.
www.thesigmagroup.com
1300 West Canal Street
Milwaukee, Wisconsin 53233
Phone: 414-643-4200
Fax: 414-643-4210

SCALE – 1" = 20' – 0" 0' 10' 20' 30' 40'

NO	DATE	REVISIONS	BY	APVD

	NAME:	DATE:
DRAWN BY:	SJGJ	01–08–09
DESIGNED BY:		
CHECKED BY:		
APPROVED BY:		

CAPITOL CROSSING REDEVELOPMENT PROJECT

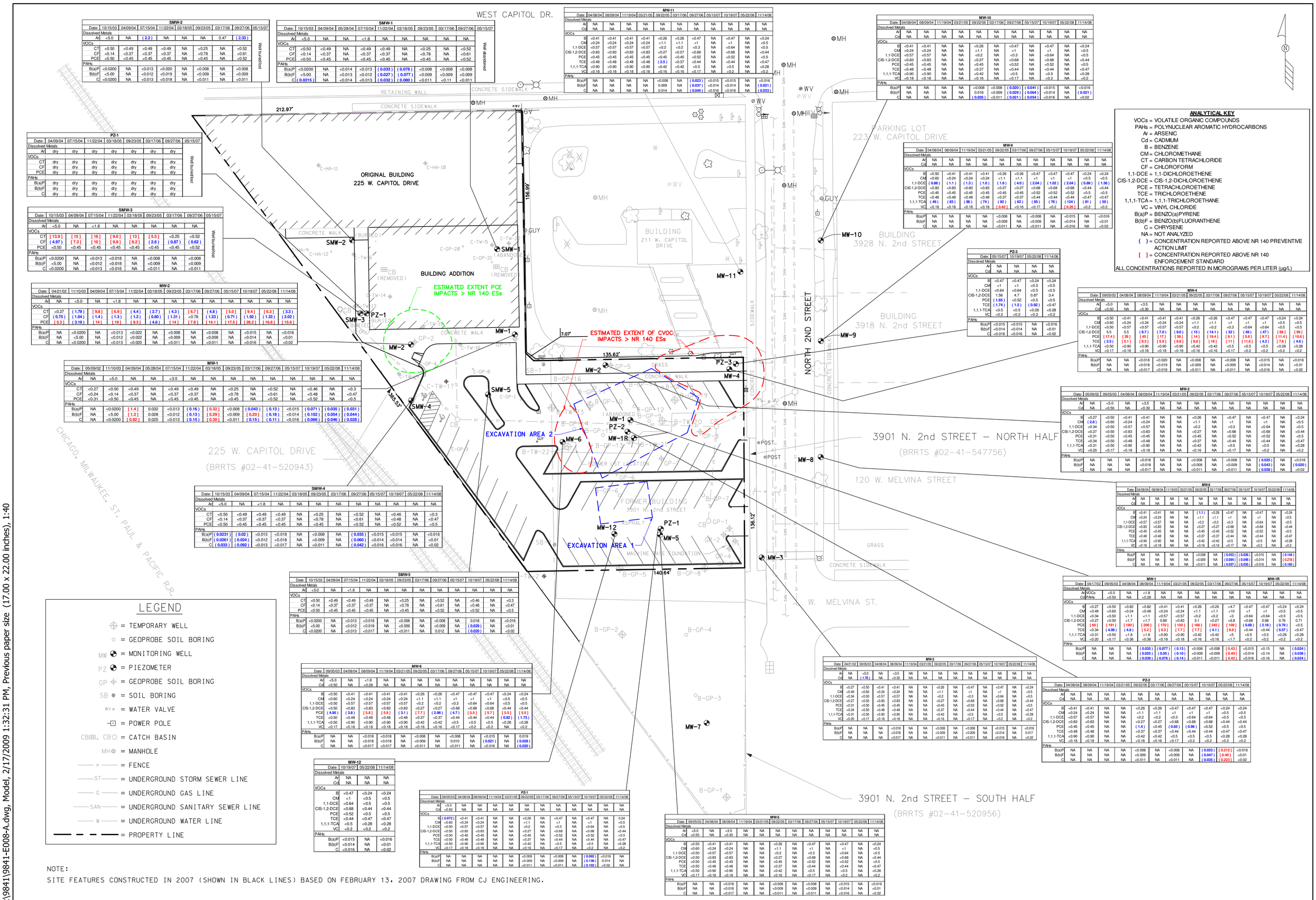
225 W. CAPITOL DR. & NORTH HALF OF 3901 N. 2ND ST. MILWAUKEE, WI

POST-REMEDIATION GEOLOGIC CROSS SECTIONS A-A' and B-B'

DRAWING NUMBER 9841–010

FIGURE 4

K:\Williams Development\9841\9841-010.dwg, F4-GCSM, 2/17/2009 1:29:17 PM, Previous paper size (17.00 x 22.00 inches), 1:1



SMW-2

Date:	10/15/03	04/09/04	07/15/04	11/22/04	03/18/05	09/23/05	03/17/06	09/27/06	05/15/07
Dissolved Metals									
Ar	<5.0	NA	(2.2)	NA	NA	NA	0.47	(2.33)	Well buried/lost
VOCs									
CT	<0.50	<0.49	<0.49	<0.49	NA	<0.25	NA	<0.52	
CF	<0.14	<0.37	<0.37	<0.37	NA	<0.78	NA	<0.61	
PCE	<0.50	<0.45	<0.45	<0.45	NA	<0.45	NA	<0.52	
PAHs									
B(a)P	<0.0200	NA	<0.013	<0.020	NA	<0.008	NA	<0.008	
B(b)F	<5.00	NA	<0.012	<0.019	NA	<0.009	NA	<0.009	
C	<0.0200	NA	<0.013	<0.018	NA	<0.011	NA	<0.011	

SMW-1

Date:	10/15/03	04/09/04	05/28/04	07/15/04	11/22/04	03/18/05	09/23/05	03/17/06	09/27/06	05/15/07
Dissolved Metals										
Ar	<5.0	NA	NA	<1.8	NA	NA	NA	NA	NA	Well abandoned
VOCs										
CT	<0.50	<0.49	NA	<0.49	<0.49	NA	<0.25	NA	<0.52	
CF	<0.14	<0.37	NA	<0.37	<0.37	NA	<0.78	NA	<0.61	
PCE	<0.50	<0.45	NA	<0.45	<0.45	NA	<0.45	NA	<0.52	
PAHs										
B(a)P	<0.0200	NA	<0.014	<0.013	(0.033)	(0.078)	<0.008	<0.008	<0.008	
B(b)F	<5.00	NA	<0.013	<0.012	(0.027)	(0.077)	<0.009	<0.009	<0.009	
C	(0.0215)	NA	<0.014	<0.013	(0.032)	(0.080)	<0.011	<0.11	<0.011	

MW-11

Date:	04/08/04	08/09/04	11/19/04	03/21/05	09/22/05	03/17/06	09/27/06	05/15/07	10/19/07	05/22/08	11/14/08
Dissolved Metals											
Ar	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cd	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs											
B	<0.41	<0.41	<0.41	<0.41	<0.26	<0.26	<0.47	NA	<0.47	NA	<0.24
CM	<0.24	<0.24	<0.24	<0.24	<1.1	<1.1	<1	NA	<1	NA	<0.5
1,1-DCE	<0.57	<0.57	<0.57	<0.57	<0.2	<0.2	<0.3	NA	<0.64	NA	<0.5
CIS-1,2-DCE	<0.83	<0.83	<0.83	<0.83	<0.27	<0.27	<0.68	NA	<0.68	NA	<0.44
PCE	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.52	NA	<0.52	NA	<0.5
TCE	<0.48	<0.48	<0.48	<0.48	(2.5)	<0.37	<0.44	NA	<0.44	NA	<0.47
1,1,1-TCA	<0.90	<0.90	<0.90	<0.90	<0.42	<0.42	<0.5	NA	<0.5	NA	<0.28
VC	<0.18	<0.18	<0.18	<0.18	<0.16	<0.16	<0.17	NA	<0.2	NA	<0.2
PAHs											
B(a)P	NA	NA	NA	NA	<0.008	NA	(0.023)	<0.015	<0.015	NA	<0.016
B(b)F	NA	NA	NA	NA	0.009	NA	(0.037)	<0.014	<0.014	NA	(0.021)
C	NA	NA	NA	NA	0.014	NA	(0.040)	<0.016	<0.016	NA	(0.033)

MW-10

Date:	04/08/04	08/09/04	11/19/04	03/21/05	09/22/05	03/17/06	09/27/06	05/15/07	10/19/07	05/22/08	11/14/08
Dissolved Metals											
Ar	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cd	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs											
B	<0.41	<0.41	NA	NA	<0.26	NA	<0.47	NA	<0.47	NA	<0.24
CM	<0.24	<0.24	NA	NA	<1.1	NA	<1	NA	<1	NA	<0.5
1,1-DCE	<0.57	<0.57	NA	NA	<0.2	NA	<0.3	NA	<0.64	NA	<0.5
CIS-1,2-DCE	<0.83	<0.83	NA	NA	<0.27	NA	<0.68	NA	<0.68	NA	<0.44
PCE	<0.45	<0.45	NA	NA	<0.45	NA	<0.52	NA	<0.52	NA	<0.5
TCE	<0.48	<0.48	NA	NA	<0.37	NA	<0.44	NA	<0.44	NA	<0.47
1,1,1-TCA	<0.90	<0.90	NA	NA	<0.42	NA	<0.5	NA	<0.5	NA	<0.28
VC	<0.18	<0.18	NA	NA	<0.16	NA	<0.17	NA	<0.2	NA	<0.2
PAHs											
B(a)P	NA	NA	NA	NA	<0.008	<0.008	(0.020)	(0.041)	<0.015	NA	<0.016
B(b)F	NA	NA	NA	NA	0.018	<0.009	(0.029)	(0.064)	<0.014	NA	(0.021)
C	NA	NA	NA	NA	(0.026)	<0.011	(0.021)	(0.054)	<0.016	NA	<0.02

PZ-1

Date:	04/09/04	07/15/04	11/22/04	03/18/05	09/23/05	03/17/06	09/27/06	05/15/07
Dissolved Metals								
Ar	dry	dry	dry	dry	dry	dry	dry	Well buried/lost
VOCs								
CT	dry	dry	dry	dry	dry	dry	dry	
CF	dry	dry	dry	dry	dry	dry	dry	
PCE	dry	dry	dry	dry	dry	dry	dry	
PAHs								
B(a)P	dry	dry	dry	dry	dry	dry	dry	
B(b)F	dry	dry	dry	dry	dry	dry	dry	
C	dry	dry	dry	dry	dry	dry	dry	

SMW-3

Date:	10/15/03	04/09/04	07/15/04	11/22/04	03/18/05	09/23/05	03/17/06	09/27/06	05/15/07
Dissolved Metals									
Ar	<5.0	NA	<1.8	NA	NA	NA	NA	NA	Well buried/lost
VOCs									
CT	(13.9)	(15)	(16)	(9.0)	(13)	(5.5)	<0.25	<0.52	
CF	(4.97)	(7.3)	(10)	(9.8)	(8.2)	(2.6)	(0.87)	(0.62)	
PCE	<0.50	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.52	
PAHs									
B(a)P	<0.0200	NA	<0.013	<0.018	NA	<0.008	NA	<0.008	
B(b)F	<5.00	NA	<0.012	<0.018	NA	<0.009	NA	<0.009	
C	<0.0200	NA	<0.013	<0.016	NA	<0.011	NA	<0.011	

MW-9

Date:	04/08/04	08/09/04	11/19/04	03/21/05	09/22/05	03/17/06	09/27/06	05/15/07	10/19/07	05/22/08	11/14/08
Dissolved Metals											
Ar	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cd	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs											
B	<0.50	<0.41	<0.41	<0.41	<0.26	<0.26	<0.47	<0.47	<0.47	<0.24	<0.24
CM	<0.60	<0.24	<0.24	<0.24	<1.1	<1.1	<1	<1	<1	<0.5	<0.5
1,1-DCE	(0.88)	(1.1)	(1.3)	(1.0)	(1.6)	(4.0)	(2.04)	(1.02)	(2.04)	(0.88)	(1.56)
CIS-1,2-DCE	<0.83	<0.83	<0.83	<0.83	<0.27	<0.27	<0.68	<0.68	<0.68	<0.44	<0.44
PCE	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.52	<0.52	<0.52	<0.5	<0.5
TCE	<0.48	<0.48	<0.48	<0.48	<0.37	<0.37	<0.44	<0.44	<0.44	<0.47	<0.47
1,1,1-TCA	(46)	(83)	(86)	(74)	(92)	(62)	(95)	(76)	(124)	(81)	(50)
VC	<0.18	<0.18	<0.18	<0.18	(0.42)	<0.16	<0.17	<0.2	(0.25)	<0.2	<0.2
PAHs											
B(a)P	NA	NA	NA	NA	<0.008	NA	<0.008	NA	<0.015	NA	<0.016
B(b)F	NA	NA	NA	NA	<0.009	NA	<0.009	NA	<0.014	NA	<0.01
C	NA	NA	NA	NA	<0.011	NA	<0.011	NA	<0.016	NA	<0.02

PZ-3

Date:	05/15/07	10/19/07	05/22/08	11/14/08
Dissolved Metals				
Ar	NA	NA	NA	NA
Cd	NA	NA	NA	NA
VOCs				
B	<0.47	<0.47	<0.24	<0.24
CM	<1	<1	<0.5	<0.5
1,1-DCE	<0.64	<0.64	<0.5	<0.5
CIS-1,2-DCE	1.56	4.7	0.87	3.4
PCE	(1.85)	<0.52	<0.5	<0.5
TCE	(1.74)	(1.5)	(0.92)	<0.47
1,1,1-TCA	<0.5	<0.5	<0.28	<0.28
VC	<0.2	<0.2	<0.2	<0.2
PAHs				
B(a)P	<0.015	<0.015	NA	<0.016
B(b)F	<0.014	<0.014	NA	<0.01
C	<0.016	<0.016	NA	<0.02

MW-4

Date:	09/05/03	04/08/04	08/09/04	11/19/04	03/21/05	09/22/05	03/17/06	09/27/06	05/15/07	10/19/07	05/22/08	11/14/08
Dissolved Metals												
Ar	<5.0	NA	<3.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cd	<0.50	NA	<0.30	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs												
B	<0.50	<0.41	<0.41	<0.41	<0.41	<0.26	<0.26	<0.47	<0.47	<0.47	<0.24	<0.24
CM	<0.60	<0.24	<0.24	<0.24	<0.24	<1.1	<1.1	<1	<1	<1	<0.5	<0.5
1,1-DCE	<0.50	<0.57	<0.57	<0.57	<0.57	<0.2	<0.2	<0.3	<0.64	<0.64	<0.5	<0.5
CIS-1,2-DCE	5.5	5.5	(9.7)	(7.0)	(9.0)	(15)	(14.1)	(32)	(49)	(47)	(88)	(99)
PCE	(17.4)	(29)	(45)	(17)	(38)	(14)	(19.4)	(9.1)	(5.6)	(9.7)	(11.4)	(10.6)
TCE	(2.5)	(5.1)	(9.3)	(5.9)	(9.8)	(8.8)	(18)	(11)	(11.6)	(4.2)	(7.6)	(4.8)
1,1,1-TCA	<0.50	<0.90	<0.90	<0.90	<0.90	<0.42	<0.42	<0.5	<0.5	<0.5	<0.28	<0.28
VC	<0.17	<0.18	<0.18	<0.18	<0.18	<0.16	<0.16	<0.17	<0.2	<0.2	<0.2	<0.2
PAHs												
B(a)P	NA	NA	NA	<0.018	<0.020	NA	<0.008	NA	<0.008	NA	<0.015	NA	<0.016
B(b)F	NA	NA	NA	<0.018	<0.019	NA	<0.009	NA	<0.009	NA	<0.014	NA	<0.01
C	NA	NA	NA	<0.017	<0.018	NA	<0.011	NA	<0.011	NA	<0.016	NA	<0.02

MW-2

Date:	04/21/02	11/10/03	04/09/04	07/15/04	11/22/04	03/18/05	09/23/05	03/17/06	09/27/06	05/15/07	10/19/07	05/22/08	11/14/08
Dissolved Metals													
Ar	NA	<5.0	NA	<1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs													
CT	<0.27	(1.79)	(9.8)	(6.9)	(4.4)	(2.7)	(4.3)	(6.7)	(4.8)	(5.0)	(9.4)	(6.3)	(3.3)
CF	(0.75)	(1.04)	(1.4)	(1.3)	(1.2)	(0.80)	(1.31)	<0.78	(1.33)	(0.71)	(1.92)	(1.33)	(2.02)
PCE	(5.3)	(3.19)	(14)	(19)	(9.3)	(4.6)	(14)	(7.8)	(14.1)	(17.5)	(28.2)	(16.8)	(15.6)
PAHs													
B(a)P	NA	<0.0200	NA	<0.013	<0.022	NA	<0.008	NA	<0.008	NA	<0.015	NA	<0.016
B(b)F	NA	<5.00	NA	<0.012	<0.022	NA	<0.009	NA	<0.009	NA	<0.014	NA	<0.01
C	NA	<0.0200	NA	<0.013	<0.020	NA	<0.011	NA	<0.011	NA	<0.016	NA	<0.02

MW-1

Date:	05/09/02	11/10/03	04/09/04	05/28/04	07/15/04	11/22/04	03/18/05	09/23/05	03/17/06	09/27/06	05/15/07	10/19/07	05/22/08	11/14/08
Dissolved Metals														
Ar	NA	<5.0	NA	NA	<3.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs														
CT	<0.27	<0.50	<0.49	NA	<0.49	<0.49	NA	<0.25	NA	<0.52	NA	<0.46	NA	<0.3
CF	<0.24	<0.14	<0.37	NA	<0.37	<0.37	NA	<0.78	NA	<0.61	NA	<0.48	NA	<0.47
PCE	<0.31	<0.50	<0.45	NA	<0.45	<0.45	NA	<0.45	NA	<0.52	NA	<0.52	NA	<0.5
PAHs														
B(a)P	NA	<0.0200	(1.4)	0.032	<0.013	(0.16)	(0.32)	<0.008	(0.043)	(0.13)	<0.015	(0.071)	(0.035)	(0.031)
B(b)F	NA	<5.00	(1.2)	0.028	<0.012	(0.13)	(0.29)	<0.009	(0.20)	(0.18)	<0.014	(0.102)	(0.054)	(0.044)
C	NA	<0.0200	(0.92)	0.025	<0.013	(0.15)	(0.30)	<0.011	(0.15)	(0.11)	<0.016	(0.066)	(0.046)	(0.028)

MW-2

Date:	05/09/02	09/05/03	04/08/04	08/09/04	11/19/04	03/21/05	09/22/05	03/17/06	09/27/06	05/15/07	10/19/07	05/22/08	11/14/08
Dissolved Metals													
Ar	NA	<5.0	NA	<3.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cd	NA	<0.50	NA	<0.30	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs													
B	<0.27	<0.50	<0.41	<0.41	NA	NA	<0.26	NA	<0.47	NA	<0.47	NA	<0.24
CM	(2.8)	<0.60	<0.24	<0.24	NA	NA	<1.1	NA	<1	NA	<1	NA	<0.5
1,1-DCE	<0.34	<0.50	<0.57	<0.57	NA	NA	<0.2	NA	<0.3	NA	<0.64	NA	<0.5
CIS-1,2-DCE	<0.27	<0.50	<0.83	<0.83	NA	NA	<0.27	NA	<0.68	NA	<0.68	NA	<0.44
PCE	<0.31	<0.50	<0.45	<0.45	NA	NA	<0.45	NA	<0.52	NA	<0.52	NA	<0.5
TCE	<0.34	<0.50	<0.48	<0.48	NA	NA	<0.37	NA	<0.44	NA	<0.44	NA	<0.47
1,1,1-TCA	<0.31	<0.50	<0.90	<0.90	NA	NA	<0.42	NA	<0.5	NA	<0.5	NA	<0.28
VC	<0.20	<0.17	<0.18	<0.18	NA	NA	<0.16	NA	<0.17	NA	<0.2	NA	<0.2
PAHs													
B(a)P	NA	NA	NA	<0.018	NA	NA	<0.008	NA	<0.008	NA	(0.025)	NA	<0.016
B(b)F	NA	NA	NA	<0.018	NA	NA	<0.009	NA	<0.009	NA	(0.043)	NA	(0.020)
C	NA	NA	NA	<0.017	NA	NA	<0.011	NA	<0.011	NA	(0.028)	NA	<0.02

MW-9

Date:	04/08/04	08/09/04	11/19/04	03/21/05	09/22/05	03/17/06	09/27/06	05/15/07	10/19/07	05/22/08	11/14/08
Dissolved Metals											
Ar	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cd	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs											
B	<0.41	<0.41	NA	NA	<0.26	NA	<0.47	NA	<0.47	NA	<0.24
CM	<0.24	<0.24	NA	NA	<1.1	NA	<1	NA	<1	NA	<0.5
1,1-DCE	<0.57	<0.57	NA	NA	<0.2	NA	<0.3	NA	<0.64	NA	<0.5
CIS-1,2-DCE	<0.83	<0.83	NA	NA	<0.27	NA	<0.68	NA	<0.68	NA	<0.44
PCE	<0.45	<0.45	NA	NA	<0.45	NA	<0.52	NA	<0.52	NA	<0.5
TCE	<0.48	<0.48	NA	NA	<0.37	NA	<0.44	NA	<0.44	NA	<0.47
1,1,1-TCA	<0.90	<0.90	NA	NA	<0.42	NA	<0.5	NA	<0.5	NA	<0.28
VC	<0.18	<0.18	NA	NA	<0.16	NA	<0.17	NA	<0.2	NA	<0.2
PAHs											
B(a)P	NA	NA	NA	NA	<0.008	NA	<0.008	NA	<0.015	NA	<0.016
B(b)F	NA	NA	NA	NA	<0.009	NA	<0.009	NA	<0.014	NA	<0.01
C	NA	NA	NA	NA	<0.011	NA	<0.011	NA	<0.016	NA	<0.02

SMW-4

Date:	10/15/03	04/09/04	07/15/04	11/22/04	03/18/05	09/23/05	03/17/06	09/27/06	05/15/07	10/19/07	05/22/08	11/14/08
Dissolved Metals												
Ar	<5.0	NA	<1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs												
CT	<0.50	<0.49	<0.49	<0.49	NA	<0.25	NA	<0.52	NA	<0.46	NA	<0.3
CF	<0.14	<0.37	<0.37	<0.37	NA	<0.78	NA	<0.61	NA	<0.48	NA	<0.47
PCE	<0.50	<0.45	<0.45	<0.45	NA	<0.45	NA	<0.52	NA	<0.52	NA	<0.5
PAHs												
B(a)P	(0.0231)	(0.02)	<0.013	<0.018	NA	<0.008	NA	(0.035)	<0.015	<0.015	NA	<0.016
B(b)F	(0.0261)	(0.024)	<0.012	<0.018	NA	<0.009	NA	(0.060)	<0.014	<0.014	NA	<0.01
C	(0.033)	(0.092)	<0.013	<0.017	NA	<0.011	NA	(0.042)	<0.016	<0.016	NA	<0.02

MW-6

Date:	09/05/03	04/08/04	08/09/04	11/19/04	03/21/05	09/22/05	03/17/06	09/27/06	05/15/07	10/19/07	05/22/08	11/14/08
Dissolved Metals												
Ar	<5.0	NA	<1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cd	<0.50	NA	<0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs												
B	<0.50	<0.41	<0.41	<0.41	<0.41	<0.26	<0.26	<0.47	<0.47	<0.47	<0.24	<0.24
CM	<0.60	<0.24	<0.24	<0.24	<0.24	<1.1	<1.1	<1	<1	<1	<0.5	<0.5
1,1-DCE	<0.50	<0.57	<0.57	<0.57	<0.57	<0.2	<0.2	<0.3	<0.64	<0.64	<0.5	<0.5
CIS-1,2-DCE	<0.50	<0.83	<0.83	<0.83	<0.83	<0.27	<0.27	<0.68	<0.68	<0.68	<0.44	<0.44
PCE	(4.95)	(3.8)	(5.8)	(5.9)	(3.1)	(7.7)	(2.96)	(4.7)	(5.5)	(5.7)	(5.5)	(5.5)
TCE	<0.50	<0.48	<0.48	<0.48	<0.48	<0.37	<0.37	<0.44	<0.44	<0.44	(0.92)	(1.73)
1,1,1-TCA	<0.50	<0.90	<0.90	<0.90	<0.90	<0.42	<0.42	<0.5	<0.5	<0.5	<0.28	<0.28
VC	<0.17	<0.16	<0.18	<0.18	<0.18	<0.16	<0.16	<0.17	<0.2	<0.2	NA	<0.2
PAHs												
B(a)P	NA	NA	<0.018	<0.018	NA	<0.008	NA	<0.008	NA	<0.015	NA	0.019
B(b)F	NA	NA	<0.018	<0.018	NA	<0.009	NA	0.010	NA	(0.021)	NA	(0.028)
C	NA	NA	<0.017	<0.017	NA	<0.011	NA	<0.011	NA	<0.016	NA	(0.020)

MW-12

Date:	10/19/07	05/22/08	11/14/08
Dissolved Metals			
Ar	NA	NA	NA
Cd	NA	NA	NA
VOCs			
B	<0.47	<0.24	<0.24
CM	<1	<0.5	<0.5
1,1-DCE	<0.64	<0.5	<0.5
CIS-1,2-DCE	<0.68	<0.44	<0.44
PCE	<0.52	<0.5	<0.5
TCE	<0.44	<0.47	<0.47
1,1,1-TCA	<0.5	<0.28	<0.28
VC	<0.2	<0.2	<0.2
PAHs			
B(a)P	<0.015	NA	<0.016
B(b)F	<0.014	NA	<0.01
C	<0.016	NA	<0.02

PZ-1

Date:	09/05/03	04/08/04	08/09/04	11/19/04	03/21/05	09/22/05	03/17/06	09/27/06	05/15/07	10/19/07	05/22/08	11/14/08
Dissolved Metals												
Ar	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cd	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs												
B	(0.972)	<0.41	<0.41	NA	NA	<0.26	NA	<0.47	NA	<0.47	NA	0.24
CM	<0.60	<0.24	<0.24	NA	NA	<1.1	NA	<1	NA	<1	NA	<0.5
1,1-DCE	<0.50	<0.57	<0.57	NA	NA	<0.2	NA	<0.3	NA	<0.64	NA	<0.5
CIS-1,2-DCE	<0.50	<0.83	<0.83	NA	NA	<0.27	NA	<0.68	NA	<0.68	NA	<0.44
PCE	<0.50	<0.45	<0.45	NA	NA	<0.45	NA	<0.52	NA	<0.52	NA	<0.5
TCE	<0.50	<0.48	<0.48	NA	NA	<0.37	NA	<0.44	NA	<0.44	NA	<0.47
1,1,1-TCA	<0.50	<0.90	<0.90	NA	NA	<0.42	NA	<0.5	NA	<0.5	NA	<0.28
VC	<0.17	<0.18	<0.18	NA	NA	<0.16	NA	<0.17	NA	<0.2	NA	<0.2
PAHs												
B(a)P	NA	NA	NA	NA	NA	<0.008	NA	(0.092)	<0.015	NA		
B(b)F	NA	NA	NA	NA	NA	<0.009	NA	<0.009	NA	(0.138)	0.014	NA
C	NA	NA	NA	NA	NA	<0.011	NA	<0.011	NA	(0.102)	<0.02	NA

SMW-5

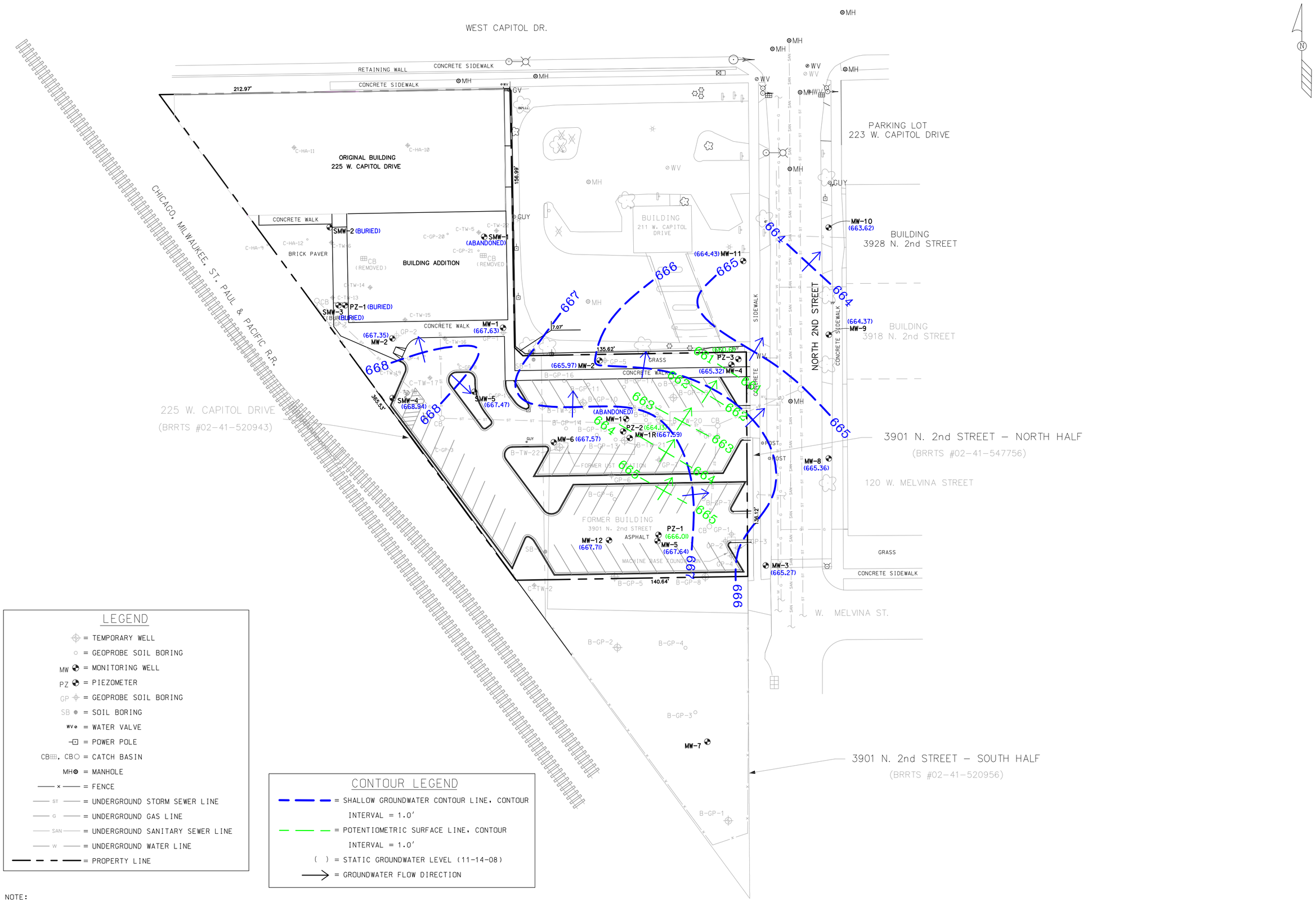
Date:	10/15/03	04/09/04	07/15/04	11/22/04	03/18/05	09/23/05	03/17/06	09/27/06	05/15/07	10/19/07	05/22/08	11/14/08
Dissolved Metals												
Ar	<5.0	NA	<1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs												
CT	<0.50	<0.49	<0.49	<0.49	NA	<0.25	NA	<0.52	NA	<0.46	NA	<0.3
CF	<0.14	<0.37	<0.37	<0.37	NA	<0.78	NA	<0.61	NA	<0.48	NA	<0.47
PCE	<0.50	<0.45	<0.45	<0.45	NA	<0.45	NA	<0.52	NA	<0.52	NA	<0.5
PAHs												
B(a)P	<0.0200	NA	<0.013	<0.018	NA	<0.008	NA	<0.008	NA	0.018	NA	<0.016
B(b)F	<5.00	NA	<0.012	<0.018	NA	<0.009	NA	<0.009	NA	(0.029)	NA	<0.01
C	<0.0200	NA	<0.013	<0.017	NA	<0.011	NA	0.012	NA	(0.020)	NA	<0.02

MW-5

Date:	09/05/03	04/08/04	08/09/04	11/19/04	03/21/05	09/22/05	03/17/06	09/27/06	05/15/07	10/19/07	05/22/08	11/14/08
Dissolved Metals												
Ar	<5.0	NA	<3.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cd	<0.50	NA	<0.30	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs												
B	<0.50	<0.41	<0.41	NA	NA	<0.26	NA	<0.47	NA	<0.47	NA	<0.24
CM	<0.60	<0.24	<0.24	NA	NA	<1.1	NA	<1	NA	<1	NA	<0.5
1,1-DCE	<0.50	<0.57	<0.57	NA	NA	<0.2	NA	<0.3	NA	<0.64	NA	<0.5
CIS-1,2-DCE	<0.50	<0.83	<0.83	NA	NA	<0.27	NA	<0.68	NA	<0.68	NA	<0.44
PCE	<0.50	<0.45	<0.45	NA	NA	<0.45	NA	<0.52	NA	<0.52	NA	<0.5
TCE	<0.50	<0.48	<0.48	NA	NA	<0.37	NA	<0.44	NA	<0.44	NA	<0.47
1,1,1-TCA	<0.50	<0.90	<0.90	NA	NA	<0.42	NA	<0.5	NA	<0.5	NA	<0.28
VC	<0.17	<0.18	<0.18	NA	NA	<0.16	NA	<0.17	NA	<0.2	NA	<0.2
PAHs												
B(a)P	NA	NA	<0.018	NA	NA	<0.008	NA	<0.008	NA	<0.015	NA	<0.016
B(b)F	NA	NA	<0.018	NA	NA	<0.009	NA	<0.009	NA	<0.014	NA	<0.01
C	NA	NA	<0.017	NA	NA	<0.011	NA	<0.011	NA	<0.016	NA	<0.02

MW-3

Date:	04/21/02	09/05/03	04/08/04	08/09/04	11/19/04	03/21/05	09/22/05	03/17/06	09/27/06	05/15/07	10/19/07	05/22/08	11/14/08
Dissolved Metals													
Ar	NA	<5.0	NA	<3.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cd	NA	(1.76)	NA	<0.30	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs													
B	<0.27	<0.50	<0.41	<0.41	NA	NA	<0.26	NA	<0.47	NA	<0.47	NA	<0.24
CM	<0.49	<0.60	<0.24	<0.24	NA	NA	<1.1	NA	<1	NA	<1	NA	<0.5
1,1-DCE	<0.34	<0.50	<0.57	<0.57	NA	NA	<0.2	NA	<0.3	NA	<0.64	NA	<0.5
CIS-1,2-DCE	<0.27	<0.50	<0.83	<0.83	NA	NA	<0.27	NA	<0.68	NA	<0.68	NA	<0.44
PCE	<0.31	<0.50	<0.45	<0.45	NA	NA	<0.45	NA	<0.52	NA	<0.52	NA	<0.5
TCE	<0.34	<0.50	<0.48	<0.48	NA	NA	<0.37	NA	<0.44	NA	<0.44	NA	<0.47
1,1,1-TCA	<0.31	<0.50	<0.90	<0.90	NA	NA	<0.42	NA	<0.5	NA	<0.5	NA	<0.28
VC	<0.20	<0.17	<0.18	<0.18	NA	NA



LEGEND

- = TEMPORARY WELL
- = GEOPROBE SOIL BORING
- MW = MONITORING WELL
- PZ = PIEZOMETER
- GP = GEOPROBE SOIL BORING
- SB = SOIL BORING
- WV = WATER VALVE
- = POWER POLE
- CB, CB = CATCH BASIN
- MH = MANHOLE
- = FENCE
- ST = UNDERGROUND STORM SEWER LINE
- G = UNDERGROUND GAS LINE
- SAN = UNDERGROUND SANITARY SEWER LINE
- W = UNDERGROUND WATER LINE
- = PROPERTY LINE

CONTOUR LEGEND

- = SHALLOW GROUNDWATER CONTOUR LINE, CONTOUR INTERVAL = 1.0'
- = POTENTIOMETRIC SURFACE LINE, CONTOUR INTERVAL = 1.0'
- ( ) = STATIC GROUNDWATER LEVEL (11-14-08)
- = GROUNDWATER FLOW DIRECTION

NOTE:
SITE FEATURES CONSTRUCTED IN 2007 (SHOWN IN BLACK LINES) BASED ON FEBRUARY 13, 2007 DRAWING FROM CJ ENGINEERING.

THE SIGMA GROUP
Single Source. Sound Solutions.
www.thesigmagroup.com
1300 West Canal Street
Milwaukee, Wisconsin 53233
Phone: 414-643-4200
Fax: 414-643-4210

SCALE – 1" = 40' 0' 20' 40' 60' 80'

NO	DATE	REVISIONS	BY	APVD

	NAME:	DATE:
DRAWN BY:	SJGJ	11/21/08
DESIGNED BY:		
CHECKED BY:		
APPROVED BY:		

CAPITOL CROSSING REDEVELOPMENT PROJECT
225 W. CAPITOL DR. & NORTH HALF OF 3901 N. 2ND ST., MILWAUKEE, WI
GROUNDWATER CONTOUR MAP (11-14-08)

DRAWING NUMBER
9841–008

FIGURE 5

K:\Williams Development\9841\9841-008.dwg, F5-GWCM, 2/17/2009 1:40:11 PM, Previous paper size (22.00 x 17.00 inches), 1:1

Table 1
Soil Analytical Quality Results
225 W. Capitol Drive, Milwaukee Wisconsin
Sigma Project No. 8110

Soil Boring Identification:		SMW-1		SMW-2		SMW-3		SMW-4		SMW-5		PZ-1		GP-1	GP-2	NR 720.09 RCL Protection of Groundwater	NR 720.19 RCL Protection of Groundwater	NR 720.19 RCL Non-Industrial Direct Contact (Inhalation of Volatiles)	NR 720.19 RCL Non-Industrial Direct Contact (Ingestion)
Sample Depth (ft):		0-2	10-12	2-4	10-12	2-4	10-12	2-4	10-12	2 - 4	10-12	2-4	34-35	0-4	0-4				
Collection Date:		9/23/03	9/23/03	9/23/03	9/23/03	9/23/03	9/23/03	9/23/03	9/23/03	9/23/03	9/23/03	3/1/04	3/1/04	3/1/04	3/1/04				
Parameter	**Units**																		
Detected VOCs																			
Benzene	µg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	NA	NA	5.5	---	---	---
n-Butylbenzene	µg/kg	<25	31.1	<25	29.4	<25	<25	<25	85.0	<25	<25	<25	<25	NA	NA	NS	---	---	---
sec-Butylbenzene	µg/kg	<25	<25	<25	<25	72.8	<25	<25	87.8	<25	41.3	<25	<25	NA	NA	NS	---	---	---
tert-Butylbenzene	µg/kg	<25	<25	<25	<25	43.7	<25	<25	<25	<25	<25	<25	<25	NA	NA	NS	---	---	---
Carbon tetrachloride	µg/kg	<25	<25	<25	<25	***1,040***	<25	<25	<25	<25	<25	***8,500***	<25	NA	NA	NS	5.0	65	491
Chloroform	µg/kg	<25	<25	<25	<25	31.7	<25	<25	<25	<25	<25	***1,130***	<25	NA	NA	NS	39	57	10,500
1,4-Dichlorobenzene	µg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	42.3	<25	NA	NA	NS	110	4,200,000	2,660
Ethylbenzene	µg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	NA	NA	2,900	770	2,200,000	1,560,000
Isopropylbenzene	µg/kg	<25	<25	<25	<25	<25	<25	<25	41.0	<25	56.1	<25	<25	NA	NA	NS	---	---	---
p-Isopropyltoluene	µg/kg	<25	<25	<25	<25	33.0	<25	<25	62.0	<25	36.4	<25	<25	NA	NA	NS	---	---	---
Naphthalene	µg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	48.8	42.9	<25	NA	NA	NS	3,100	68,000	313,000
n-Propylbenzene	µg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	NA	NA	NS	---	---	---
Tetrachloroethene	µg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	***183***	<25	NA	NA	NS	4.1	2,100	1,230
Toluene	µg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	NA	NA	1,500	---	---	---
1,2,4-Trimethylbenzene	µg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	71.7	55.4	<25	NA	NA	NS	---	---	---
1,3,5-Trimethylbenzene	µg/kg	<25	<25	<25	<25	29.9	<25	<25	67.8	<25	44.4	47.2	<25	NA	NA	NS	---	---	---
Xylenes (Total)	µg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	66.9	<25	NA	NA	4,100	7,900	280,000	3,130,000
PCBs																			
PCB-1016	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<29.0	<28.6	NS	---	---	---
PCB-1221	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<29.0	<28.6	NS	---	---	---
PCB-1232	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<29.0	<28.6	NS	---	---	---
PCB-1242	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<29.0	<28.6	NS	---	---	---
PCB-1248	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<29.0	<28.6	NS	---	---	---
PCB-1254	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<29.0	<28.6	NS	---	---	---
PCB-1260	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<29.0	<28.6	NS	---	---	---

Notes:
1. µg/kg = micrograms per kilogram (equivalent to parts per billion)
2. NR 720.09 RCL Protection of Groundwater = Wisconsin Administrative Code, Chapter NR 720.09 generic Residual Contaminant Level for protection of groundwater
3. NR 720.19 RCL Protection of Groundwater = Wisconsin Administrative Code, Chapter NR 720.19 Residual Contaminant Level for protection of groundwater as calculated in accordance with WDNR PUB-RR-682 (US EPA soil screening level web site with WDNR default parameters)
4. NR 720.19 RCL Industrial Direct Contact (Inhalation of Volatiles) = Wisconsin Administrative Code, Chapter NR 720.19 Residual Contaminant Level for protection of direct contact via inhalation of volatiles at an **non-industrial** site as calculated in accordance with WDNR PUB-RR-682 (US EPA soil screening level web site with WDNR default parameters)
5. NR 720.19 RCL Industrial Direct Contact (Ingestion) = Wisconsin Administrative Code, Chapter NR 720.19 Residual Contaminant Level for protection of direct contact via ingestion of soil at an **non-industrial** site as calculated in accordance with WDNR PUB-RR-682 (US EPA soil screening level web site with WDNR default parameters)
6. NS = no standard
7. --- = RCL not calculated
8. Exceedances: ***bold, italics*** = Concentration exceeds a groundwater protection standard
   box = Concentration exceeds a direct contact standard

TABLE 3
SOIL CHEMISTRY DATA
225 WEST CAPITOL DRIVE PROPERTY, MILWAUKEE, WISCONSIN
TRIAD PROJECT NO. W023420

7/1/02

Group	Constituent	Direct Contact Pathway Preliminary Site Specific RCL (industrial - mg/kg)	Groundwater Pathway Preliminary Site-Specific RCL (mg/kg)	Boring Number, Date Sampled, and Sample Depth (feet below ground surface)															Non-Industrial Direct Contact RCLs[1]		Protection of Groundwater RCLs[2]
				C-MW-1		C-MW-2		C-GP-1		C-TW-2		C-GP-3		C-GP-4		C-TW-5	C-TW-6		Ingestion	Inhalation	
				4/15/02		4/17/02		9/28/01		9/28/01		9/28/01		9/28/01		9/28/01	9/28/01				
				2	4	2	6	2	6	2.5	6	2.5	7	2	6	9.5	2	6			
				Concentrations (milligrams per kilogram)																	
Metals	Arsenic	1.6	0.1					<2.81		<2.95		<2.81		<2.88		<2.90	<2.77		0.039		0.58
	Barium	72000	16.4	107	54			102		45.3		41		<28.8		42	<27.7		3,130	—	160
	Cadmium	510	0.04					<0.561		<0.591		<0.563		<0.576		<0.581	<0.555		8		0.75
	Chromium	200	na					7.5		15.6		14.8		10.4		11.8	9.87		16,000*		200,000,000
	Lead	500	na					22.8		48		11.2		7.59		10.4	5.65		50		—
	Mercury	na	0.02	<0.119	<0.113			<0.0449		<0.0472		0.0722		<0.0461		0.0544	<0.0444		—	4.0	0.21
	Selenium	5100	0.06					<2.81		<2.95		<2.81		<2.88		<2.90	<2.77		78.2	—	0.51
	Silver	5100	0.4	<0.24	<0.23			<2.81		<2.95		<2.81		<2.88		<2.90	4.46		78.2	—	3.1
VOCs	Butylbenzene, n-	41000	na			<0.021	<0.021	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	—	—	—
	Butylbenzene, sec-	41000	na			<0.02	<0.019	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	—	—	—
	Carbon tetrachloride	0.44	0.042			<0.016	<0.015	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	0.0362	0.439	<0.0250	<0.0250	<0.0250	0.491	0.065	0.005
	Chloroform	0.43	0.025			<0.014	<0.014	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	10.5	0.057	0.039
	Ethylbenzene	5100	43			<0.015	<0.015	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	1,560	2,200	0.77
	Isopropyltoluene, p-	na	na			<0.018	<0.018	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	—	—	—
	Methylene Chloride	18	0.014			0.099	0.133	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	8.52	2.7	0.0016
	Naphthalene	47	10			<0.044	<0.043	<0.0241	<0.0241	<0.0250	<0.0241	<0.0241	<0.0241	<0.0241	<0.0241	<0.0241	<0.0241	<0.0241	0.4		20
	Tetrachloroethene	19	0.073			0.609	<0.018	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	1.23	2.1	0.0041
	Trichloroethane, 1,1,1-	6400	3.0			<0.018	<0.018	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	3,130	2,000	0.14
	Trimethylbenzene, 1,2,4-	51000	na			<0.018	<0.017	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	—	—	—
	Xylene (total)	1000000	140			<0.031	<0.031	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	3,130	280	7.9
PAHs	Acenaphthene	60000	2100					<0.0162	<0.0162	<0.0162	<0.0162	<0.0162	<0.0162	<0.0162	<0.0162	<0.0162	<0.0162	<0.0162	900		38
	Acenaphthylene	360	na					<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	18		0.7
	Anthracene	300000	220000					2.92	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	5,000		3,000
	Benzo (a) anthracene	3.9	420					2.97	<0.0091	0.09	<0.0091	0.034	<0.0091	<0.0091	<0.0091	<0.0091	<0.0091	<0.0091	0.088		17
	Benzo (a) pyrene	0.39	13000					2.31	<0.0093	0.07	<0.0093	0.023	<0.0093	<0.0093	<0.0093	<0.0093	<0.0093	<0.0093	0.0088		48
	Benzo (b) fluoranthene	3.9	5400					2.77	<0.0136	<0.0136	<0.0136	0.048	<0.0136	<0.0136	<0.0136	<0.0136	<0.0136	<0.0136	0.088		360
	Benzo (g,h,i) perylene	39	100000					1.57	<0.0158	<0.0158	<0.0158	<0.0158	<0.0158	<0.0158	<0.0158	<0.0158	<0.0158	<0.0158	1.8		6,800
	Benzo (k) fluoranthene	39	13000					<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	0.88		870
	Chrysene	390	550					2.76	<0.0118	0.093	<0.0118	0.038	<0.0118	<0.0118	<0.0118	<0.0118	<0.0118	<0.0118	8.8		37
	Dibenzo (a,h) anthracene	0.39	1000					<0.0162	<0.0162	<0.0162	<0.0162	<0.0162	<0.0162	<0.0162	<0.0162	<0.0162	<0.0162	<0.0162	0.0088		38
	Fluoranthene	40000	130000					5.62	<0.0111	0.189	<0.0111	0.085	<0.0111	<0.0111	<0.0111	<0.0111	<0.0111	<0.0111	600		500
	Fluorene	40000	3400					<0.0195	<0.0195	<0.0195	<0.0195	<0.0195	<0.0195	<0.0195	<0.0195	<0.0195	<0.0195	<0.0195	600		100
	Indeno (1,2,3-cd) pyrene	3.9	10000					1.42	<0.0153	<0.0153	<0.0153	<0.0153	<0.0153	<0.0153	<0.0153	<0.0153	<0.0153	<0.0153	0.088		680
	Methylnaphthalene, 1-	70000	340					<0.0239	<0.0239	<0.0239	<0.0239	<0.0239	<0.0239	<0.0239	<0.0239	<0.0239	<0.0239	<0.0239	1,100		23
	Methylnaphthalene, 2-	20000	300					<0.0242	<0.0242	<0.0242	<0.0242	<0.0242	<0.0242	<0.0242	<0.0242	<0.0242	<0.0242	<0.0242	600		20
	Phenanthrene	390	27					2.92	<0.01	0.139	<0.01	0.053	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	18		1.8
	Pyrene	30000	150000					6.2	<0.0099	0.173	<0.0099	0.075	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	500		8,700
DRO	Diesel Range Organics	na	100					50	5.2	2.5	3.5	1.5	<0.97	<0.97	<0.97	3.4	2.6	1.3	—		—
PCBs	Polychlorinated Biphenyls	na	na						ND	ND		ND				ND			—		—
TOC	Total Organic Carbon	na	na	10600	19300														—		—

Notes: See page 4

*trivalent chromium

TABLE 3
SOIL CHEMISTRY DATA
225 WEST CAPITOL DRIVE PROPERTY, MILWAUKEE, WISCONSIN
TRIAD PROJECT NO. W023420

7/1/02

Group	Constituent	Direct Contact Pathway Preliminary Site Specific RCL (industrial - mg/kg)	Groundwater Pathway Preliminary Site-Specific RCL (mg/kg)	Boring Number, Date Sampled, and Sample Depth (feet below ground surface)															
				C-GP-7		C-GP-8	C-HA-9	C-HA-10	C-HA-11	C-HA-12	C-TW-13			C-TW-14			C-TW-15		
				9/28/01		9/28/01	9/28/01	10/2/01	10/2/01	10/2/01	4/18/02			4/17/02			4/17/02		
				2	6	2	2	1.5	1.5	1.5	1.5	5	9.5	2	6	10.5	2	6	10.5
				Concentrations (milligrams per kilogram)															
Metals	Arsenic	1.6	0.1	<2.81		<2.86	<2.73	<2.83	<2.96	<2.87									
	Barium	72000	16.4	<28.1		32.5	29.8	<28.3	33	31									
	Cadmium	510	0.04	<0.562		<0.571	<0.545	<0.566	<0.592	<0.573									
	Chromium	200	na	9.52		13	8.91	9.33	12.9	9.15									
	Lead	500	na	5.59		8.79	19.2	11.1	6.29	8.27									
	Mercury	na	0.02	0.0648		<0.0457	<0.0436	<0.0453	<0.0473	<0.0459									
	Selenium	5100	0.06	<2.81		<2.86	<2.73	<2.83	<2.96	<2.87									
	Silver	5100	0.4	<2.81		<2.86	<2.73	12.9	18.1	6.36									
VOCs	Butylbenzene, n-	41000	na	<0.0250	<0.0250	<0.0250	<0.0250	0.0374	<0.0250	<0.0250	<0.021	<0.021	<0.02	<0.022	<0.018	<0.02	<0.021	<0.02	<0.021
	Butylbenzene, sec-	41000	na	0.0925	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.02	<0.02	<0.019	<0.021	<0.017	<0.019	<0.02	<0.019	<0.019
	Carbon tetrachloride	0.44	0.042	1.96	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.016	<0.016	<0.015	<0.016	0.214	<0.015	<0.016	<0.015	<0.015
	Chloroform	0.43	0.025	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.014	<0.014	<0.014	<0.015	0.016	<0.014	<0.014	<0.014	<0.014
	Ethylbenzene	5100	43	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	0.024	<0.015	<0.014	<0.015	<0.013	<0.014	<0.015	<0.014	<0.015
	Isopropyltoluene, p-	na	na	0.0333	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.019	<0.018	<0.018	<0.019	<0.016	<0.018	<0.018	<0.018	<0.018
	Methylene Chloride	18	0.014	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.018	0.056	0.074	0.154	0.745	0.072	0.314	<0.017	0.239
	Naphthalene	47	10	<0.0241	<0.0241	<0.0241	<0.0241	<0.0241	<0.0241	<0.0241	<0.045	<0.044	<0.043	0.071	<0.038	<0.042	<0.044	<0.043	<0.043
	Tetrachloroethene	19	0.073	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.018	<0.018	<0.017	<0.019	<0.015	0.029	0.02	<0.017	<0.018
	Trichloroethane, 1,1,1-	6400	3.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.019	<0.018	<0.018	<0.019	<0.016	<0.018	0.032	<0.018	0.037
	Trimethylbenzene, 1,2,4-	51000	na	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	0.022	<0.018	<0.017	<0.018	<0.015	<0.017	<0.018	<0.017	<0.017
	Xylene (total)	1000000	140	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	0.137	0.072	<0.031	<0.03	<0.033	<0.027	<0.03	<0.031	<0.03	<0.031
PAHs	Acenaphthene	60000	2100	<0.0162	<0.0162	<0.0162	<0.0162	<0.0162	<0.0162	<0.0162									
	Acenaphthylene	360	na	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02									
	Anthracene	300000	220000	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012									
	Benzo (a) anthracene	3.9	420	<0.0091	<0.0091	<0.0091	0.033	0.04	<0.0091	<0.0091									
	Benzo (a) pyrene	0.39	13000	<0.0093	<0.0093	<0.0093	0.03	0.026	<0.0093	<0.0093									
	Benzo (b) fluoranthene	3.9	5400	<0.0136	<0.0136	<0.0136	0.054	<0.0136	<0.0136	<0.0136									
	Benzo (g,h,i) perylene	39	100000	<0.0158	<0.0158	<0.0158	<0.0158	<0.0158	<0.0158	<0.0158									
	Benzo (k) fluoranthene	39	13000	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075									
	Chrysene	390	550	<0.0118	<0.0118	<0.0118	0.033	0.035	<0.0118	<0.0118									
	Dibenzo (a,h) anthracene	0.39	1000	<0.0162	<0.0162	<0.0162	<0.0162	<0.0162	<0.0162	<0.0162									
	Fluoranthene	40000	130000	<0.0111	<0.0111	<0.0111	0.067	0.071	<0.0111	<0.0111									
	Fluorene	40000	3400	<0.0195	<0.0195	<0.0195	<0.0195	<0.0195	<0.0195	<0.0195									
	Indeno (1,2,3-cd) pyrene	3.9	10000	<0.0153	<0.0153	<0.0153	<0.0153	<0.0153	<0.0153	<0.0153									
	Methylnaphthalene, 1-	70000	340	<0.0239	<0.0239	<0.0239	<0.0239	<0.0239	<0.0239	<0.0239									
	Methylnaphthalene, 2-	20000	300	<0.0242	<0.0242	<0.0242	<0.0242	<0.0242	<0.0242	<0.0242									
	Phenanthrene	390	27	<0.01	<0.01	<0.01	0.048	<0.01	<0.01	<0.01									
	Pyrene	30000	150000	<0.0099	<0.0099	<0.0099	0.062	0.07	<0.0099	<0.0099									
DRO	Diesel Range Organics	na	100	2.5	<0.97	<0.97	1.7	26	5.4	16									
PCBs	Polychlorinated Biphenyls	na	na	ND			ND												
TOC	Total Organic Carbon	na	na																

Notes: See page 4

TABLE 3
SOIL CHEMISTRY DATA
225 WEST CAPITOL DRIVE PROPERTY, MILWAUKEE, WISCONSIN
TRIAD PROJECT NO. W023420

7/1/02

Group	Constituent	Direct Contact Pathway Preliminary Site Specific RCL (industrial - mg/kg)	Groundwater Pathway Preliminary Site-Specific RCL (mg/kg)	Boring Number, Date Sampled, and Sample Depth (feet below ground surface)															
				C-TW-16		C-TW-17		C-TW-18			C-TW-19		C-GP-20		C-GP-21		C-TW-22		
				4/17/02		4/17/02		4/17/02			4/17/02		4/18/02		4/18/02		4/18/02		
				3	6	2	6	2	6	10	2	9	2	5.8	2	6.5	3	3.5	6.5
				Concentrations (milligrams per kilogram)															
Metals	Arsenic	1.6	0.1														~~82~~ 82		~~82~~ 82
	Barium	72000	16.4																
	Cadmium	510	0.04																
	Chromium	200	na																
	Lead	500	na																
	Mercury	na	0.02														<0.121		<0.123
	Selenium	5100	0.06																
	Silver	5100	0.4														<0.24		0.6
VOCs	Butylbenzene, n-	41000	na	<0.022	<0.021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.022							
	Butylbenzene, sec-	41000	na	<0.021	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.021							
	Carbon tetrachloride	0.44	0.042	<0.016	<0.016	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.016							
	Chloroform	0.43	0.025	<0.015	<0.014	<0.013	<0.014	<0.014	<0.014	<0.014	<0.014	<0.015							
	Ethylbenzene	5100	43	<0.015	<0.015	<0.014	<0.014	<0.014	<0.014	0.036	<0.014	<0.015							
	Isopropyltoluene, p-	na	na	<0.019	<0.018	<0.017	<0.018	<0.018	<0.018	<0.018	<0.018	<0.019							
	Methylene Chloride	18	0.014	0.056	0.087	0.045	0.06	<0.017	0.298	<0.017	0.508	0.763							
	Naphthalene	47	10	<0.046	<0.044	<0.042	<0.042	<0.042	<0.042	<0.043	<0.043	<0.046							
	Tetrachloroethene	19	0.073	<0.019	<0.018	0.166	<0.017	<0.017	0.036	<0.017	0.020	0.068							
	Trichloroethane, 1,1,1-	6400	3.0	<0.019	<0.018	<0.017	<0.018	<0.018	<0.017	<0.018	<0.018	0.127							
	Trimethylbenzene, 1,2,4-	51000	na	<0.018	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.018							
	Xylene (total)	1000000	140	<0.033	<0.031	<0.03	<0.03	<0.03	<0.03	0.146	<0.03	<0.033							
PAHs	Acenaphthene	60000	2100										<0.038	<0.038	<0.041	<0.037		<0.039	<0.04
	Acenaphthylene	360	na										<0.046	<0.047	<0.051	<0.045		<0.048	<0.05
	Anthracene	300000	220000										<0.028	<0.028	<0.03	<0.027		<0.029	<0.03
	Benzo (a) anthracene	3.9	420										<0.021	<0.022	0.034	<0.021		0.078	<0.023
	Benzo (a) pyrene	0.39	13000										<0.022	<0.022	0.035	<0.021		0.067	<0.023
	Benzo (b) fluoranthene	3.9	5400										<0.032	<0.032	0.069	<0.031		0.129	<0.034
	Benzo (g,h,i) perylene	39	100000										<0.037	<0.037	<0.04	<0.036		<0.038	<0.039
	Benzo (k) fluoranthene	39	13000										0.028	<0.018	<0.019	<0.017		0.022	<0.019
	Chrysene	390	550										<0.027	<0.028	0.041	<0.027		0.079	<0.029
	Dibenzo (a,h) anthracene	0.39	1000										<0.038	<0.038	<0.041	<0.037		<0.039	<0.04
	Fluoranthene	40000	130000										<0.026	<0.026	0.076	<0.025		0.151	<0.027
	Fluorene	40000	3400										<0.045	<0.046	<0.049	<0.044		<0.047	<0.048
	Indeno (1,2,3-cd) pyrene	3.9	10000										<0.035	<0.036	<0.039	<0.035		<0.037	<0.038
	Methylnaphthalene, 1-	70000	340										<0.055	<0.057	<0.061	<0.054		<0.057	<0.059
	Methylnaphthalene, 2-	20000	300										<0.056	<0.057	<0.061	<0.055		<0.058	<0.06
	Phenanthrene	390	27										<0.023	<0.024	<0.025	<0.023		0.059	<0.025
	Pyrene	30000	150000										<0.023	<0.023	0.065	<0.022		0.134	<0.025
DRO	Diesel Range Organics	na	100																
PCBs	Polychlorinated Biphenyls	na	na																
TOC	Total Organic Carbon	na	na														13300		10100

Notes: See page 4

TABLE 3
SOIL CHEMISTRY DATA
225 WEST CAPITOL DRIVE PROPERTY, MILWAUKEE, WISCONSIN
TRIAD PROJECT NO. W023420

7/1/02

Note: na = not available
ND = not detected
PAH = polynuclear aromatic hydrocarbon
PCBs = polychlorinated biphenyls
RCL = residual contaminant level (as defined in NR 720)
VOC = volatile organic compound

Only VOCs detected in at least one soil sample are shown on this table.
Blank spaces indicate no analysis was performed.
Bold-face type with underlining designates concentrations equal to or greater than preliminary RCLs calculated for the direct contact pathway (using industrial site exposure assumptions).
Shaded cells designate concentrations equal to or greater than preliminary RCLs for groundwater protection.

Notes:
1. Direct contact RCLs based on:
   * metals (arsenic, cadmium, chromium, lead) from NR 720.11 Table 2 for non-industrial land use
   * metals (barium, mercury, selenium, silver) calculated in accordance with NR 720.19 and described in WDNR publication PUB-RR-682.
   * VOCs (except naphthalene) calculated in accordance with NR 720.19 and described in WDNR publication PUB-RR-682.
   * PAHs (and naphthalene in VOC suite) from WDNR interim guidance publication RR-519-97 (non-industrial land use).
2. Protection of groundwater RCLs based on:
   * metals and VOCs calculated in accordance with NR 720.19 and WDNR publication PUB-RR-682.
   * PAHs from WDNR interim guidance publication RR-519-97.
3. Exceedances:
   ⬭ = Concentration exceeds migration to groundwater RCL
   * * = concentration exceeds direct contact RCL

Table 2
Soil Analytical Quality Results
3901 North 2nd Street, Milwaukee Wisconsin
Sigma Project No. 8111

Boring Location:		North Half of Site																				South Half of Site		Off-Site				Protection of Groundwater		Protection of Direct Contact	
Soil Boring Identification:		SB-1		SB-2		MW-4		MW-6		PZ-1		PZ-2		GP-1	GP-2	GP-3	GP-4	GP-5	GP-6	GP-7	GP-8	MW-7		MW-8	MW-9	MW-10	MW-11				
Sample Depth (ft):		1-3	5-7	2-4	4-6	1-3	5-7	0-2	4-6	2-4	4-6	1-3	28-30	2-4	2-4	2-4	2-4	0-4	0-4	0-4	0-4	3-5	5-7	2-4	2-4	2-4	2-4				
Collection Date:		8/21/03	8/21/03	8/21/03	8/21/03	8/21/03	8/21/03	8/21/03	8/21/03	8/21/03	8/21/03	3/1/04	3/3/04	9/24/03	9/24/03	9/24/03	9/24/03	3/1/04	3/1/04	3/1/04	3/1/04	8/21/03	8/21/03	3/2/04	3/2/04	3/2/04	3/3/04	NR 720.09 RCL	NR 720.19 RCL	NR 720.19 RCL (Inhalation of Volatiles)	NR 720.19 RCL (Ingestion)
Parameter	**Units**																														
PVOCs & Detected VOCs																															
Benzene	µg/kg	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NA	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	5.5	---	---	---
n-Butylbenzene	µg/kg	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	60.5	<25.0	<25.0	<25.0	<25.0	NA	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	---	---	---
sec-Butylbenzene	µg/kg	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	71.0	40.1	<25.0	<25.0	<25.0	NA	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	---	---	---
Ethylbenzene	µg/kg	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	32.4	34.2	<25.0	<25.0	<25.0	NA	<25.0	<25.0	<25.0	<25.0	34	<25.0	<25.0	<25.0	<25.0	2,900	---	---	---
Isopropylbenzene	µg/kg	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	52.5	<25.0	<25.0	<25.0	<25.0	NA	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	---	---	---
p-Isopropyltoluene	µg/kg	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	44.4	<25.0	<25.0	<25.0	<25.0	NA	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	---	---	---
Naphthalene	µg/kg	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	***1,230***	<25.0	51.7	56.0	<25.0	<25.0	63	NA	<25.0	<25.0	<25.0	***588***	82.7	31.5	<25.0	37.9	<25.0	See PAHs below		See PAHs below	
Tetrachloroethene	µg/kg	<25.0	<25.0	<25.0	<25.0	***46.1***	***37.6***	<25.0	***51.6***	<25.0	***55.6***	***5,800***	<25.0	<25.0	***197***	<25.0	***217***	NA	***136***	***198***	<25.0	***63.5***	<25.0	***77.9***	<25.0	***55.4***	<25.0	NS	4.1	2,100	1,230
Toluene	µg/kg	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NA	<25.0	82.9	<25.0	<25.0	<25.0	<25.0	<25.0	45.3	<25.0	1,500	---	---	---
Trichlorofluoromethane	µg/kg	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NA	<25.0	141	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	15,000	410,000	4,690,000
Trichloroethene	µg/kg	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	***46.2***	<25.0	<25.0	<25.0	<25.0	<25.0	NA	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	3.7	14	160
1,1,1-Trichloroethane	µg/kg	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NA	<25.0	<25.0	<25.0	<25.0	<25.0	35.8	<25.0	<25.0	<25.0	NS	140	2,000,000	3,130,000
1,2,4-Trimethylbenzene	µg/kg	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	38.5	<25.0	<25.0	<25.0	NA	<25.0	<25.0	<25.0	<25.0	166	<25.0	<25.0	<25.0	<25.0	NS	---	---	---
1,3,5-Trimethylbenzene	µg/kg	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NA	<25.0	<25.0	<25.0	<25.0	102	<25.0	<25.0	<25.0	<25.0	NS	---	---	---
Xylenes (Total)	µg/kg	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NA	58.2	<25.0	<25.0	<25.0	99.7	<25.0	<25.0	36.5	<25.0	4,100	---	---	---
Detected PAHs																												Groundwater Pathway RCL		Direct Contact Pathway RCL	
Benzo(a)pyrene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.5	21.9	30.1	45.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	48,000		8.8	
Dibenzo(a,h)anthracene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<6.03	<5.12	17.3	6.67	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	38,000		8.8	
Naphthalene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<121	<102	<114	181	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	400		20,000	
Pyrene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<121	<102	<114	124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8,700,000		500,000	
PCBs																															
PCB-1016	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<31.0	NA	NA	NA	NA	NA	<29.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	---	---	---
PCB-1221	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<31.0	NA	NA	NA	NA	NA	<29.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	---	---	---
PCB-1232	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<31.0	NA	NA	NA	NA	NA	<29.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	---	---	---
PCB-1242	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<31.0	NA	NA	NA	NA	NA	<29.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	---	---	---
PCB-1248	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<31.0	NA	NA	NA	NA	NA	<29.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	---	---	---
PCB-1254	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<31.0	NA	NA	NA	NA	NA	<29.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	---	---	---
PCB-1260	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<31.0	NA	NA	NA	NA	NA	<29.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	---	---	---

Notes:
1. µg/kg = micrograms per kilogram (equivalent to parts per billion)
2. Protection of Groundwater, NR 720.09 RCL = Wisconsin Administrative Code, Chapter NR 720.09 generic Residual Contaminant Level for protection of groundwater
3. Protection of Groundwater, NR 720.19 RCL Protection of Groundwater = Wisconsin Administrative Code, Chapter NR 720.19 Residual Contaminant Level for protection of groundwater as calculated in accordance with WDNR PUB-RR-682 (US EPA soil screening level web site with WDNR default parameters)
4. Protection of Direct Contact, NR 720.19 RCL (Inhalation of Volatiles) = Wisconsin Administrative Code, Chapter NR 720.19 Residual Contaminant Level for protection of direct contact via inhalation of volatiles at a **non-industrial** site as calculated in accordance with WDNR PUB-RR-682 (US EPA soil screening level web site with WDNR default parameters)
5. Protection of Direct Contact, NR 720.19 RCL (Ingestion) = Wisconsin Administrative Code, Chapter NR 720.19 Residual Contaminant Level for protection of direct contact via ingestion of soil at a **non-industrial** site as calculated in accordance with WDNR PUB-RR-682 (US EPA soil screening level web site with WDNR default
6. Groundwater Pathway RCL = Interim guidance RCL for protection of groundwater pathway from PAH compounds, from WDNR publication RR-519-97 "Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs) Interim Guidance" (April 1997)
7. Direct Contact Pathway RCL = Interim guidance RCL for protection of direct contact with PAH compounds for **non-industrial** land use, from WDNR publication RR-519-97 "Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs) Interim Guidance" (April 1997)
8. NS = no standard
9. --- = RCL not calculated
10. Exceedances: ***bold, italics*** = Concentration exceeds a groundwater protection standard
box = Concentration exceeds a direct contact standard

TABLE 3
SOIL CHEMISTRY DATA
3901 NORTH 2ND STREET PROPERTY, MILWAUKEE, WISCONSIN
TRIAD PROJECT NO. W023419

6/29/02

Protection of GW RCLs[2]

Group	Constituent	Direct Contact Pathway Preliminary Site Specific RCL (industrial - mg/kg)	Groundwater Pathway Preliminary Site Specific RCL (mg/kg)	Boring Number, Date Sampled, and Sample Depth (feet below ground surface)													Non-Ind. Direct Contact RCLs[1]		
				B-MW-1			B-MW-2		B-MW-3		B-TW-1		B-GP-2		B-GP-3				
				4/15/02	4/15/02	4/15/02	4/15/02	4/15/02	4/17/02	4/17/02	9/27/01	9/27/01	9/27/01	9/27/01	9/27/01	9/27/01			
				2	3.5	5	2	4	1	6	2	5	2	5	2	5			
				Concentrations (milligrams per kilogram)													Ing.	Inh.	
Metals	Arsenic	1.6	0.1				<2.55	<2.47			<3.11		<3.00		<2.85		0.039		0.58
	Barium	72000	16.4				145	61	184	326	55.9		59.9		59.2		3,130	–	160
	Cadmium	510	0.04								<0.622		<0.600		<0.569		8		0.75
	Chromium	200	na								12.5		14.6		15.8		16,000*		2E8
	Lead	500	na								36.6		42.6		26.7		50		–
	Mercury	na	0.02				0.62	0.42	<0.147	0.19	0.0519		0.0869		0.0539		–	4	0.21
	Selenium	5100	0.06								<3.11		<3.00		<2.85		78.2	–	0.51
	Silver	5100	0.4				<0.24	1.2	<0.29	2.1			<3.11		<2.85		78.2	–	3.1
VOCs	Butylbenzene, n-	41000	na	<0.034	<0.024	<0.025		<0.021			<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	–	–	–
	Butylbenzene, sec-	41000	na	<0.032	<0.023	<0.024		<0.02			<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	–	–	–
	Dichloroethane, 1,1-	1700	2.8	<0.03	<0.022	<0.023		<0.019			<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	3,130	510	2.9
	Dichloroethylene, cis-1,2-	10000	0.20	<0.025	<0.019	<0.019		<0.016			<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	156	–	0.027
	Ethylbenzene	5100	34	<0.024	<0.017	<0.018		<0.015			<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	–	–	2.9
	Isopropylbenzene	na	na	<0.031	<0.022	<0.023		<0.019			<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	–	–	–
	Isopropyltoluene, p-	na	na	<0.029	<0.021	<0.022		<0.018			<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	–	–	–
	Methylene Chloride	13	0.011	<0.028	<0.021	<0.021		<0.018			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	–	–	–
	Naphthalene	47	8.3	<0.071	0.083	<0.053		<0.044			<0.0241	<0.0241	<0.0241	<0.0241	0.2	<0.0241	20		0.4
	Propylbenzene, n-	41000	na	<0.026	<0.019	<0.02		<0.017			<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	–	–	–
	Tetrachloroethene	19	0.058	2.64	18.6	7.5		<0.018			<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	1.23	2.1	0.0041
	Toluene	1700	18	0.161	<0.02	<0.02		0.022			<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	–	–	1.5
	Trichloroethane, 1,1,1-	6400	2.4	<0.029	<0.021	<0.022		<0.018			<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	3,130	2,000	0.14
	Trichloroethene	52	0.022	<0.032	<0.024	<0.024		<0.02			<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	0.16	0.014	0.003
	Trimethylbenzene, 1,2,4-	51000	na	<0.028	<0.021	<0.021		<0.018			<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	–	–	–
	Trimethylbenzene, 1,3,5-	51000	na	<0.032	<0.024	<0.024		<0.02			<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	–	–	–
	Xylene (total)	1000000	110	<0.05	<0.037	<0.038		<0.031			<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	–	–	4.1
PAHs	Acenaphthene	60000	1700								<0.0162	<0.0162	0.0491	<0.0162	0.059	<0.0162	900		38
	Acenaphthylene	360	na								<0.02	<0.02	0.062	<0.02	0.056	<0.02	18		0.7
	Anthracene	300000	180000								<0.012	<0.012	0.122	<0.012	0.135	<0.012	5,000		3,000
–	Benzo (a) anthracene	3.9	330								1.25	0.089	0.467	0.082	0.318	0.024	0.088		17
–	Benzo (a) pyrene	0.39	10000								1.09	0.179	0.449	0.081	0.218	<0.0093	0.0088		48
–	Benzo (b) fluoranthene	3.9	4200								1.97	0.255	0.789	0.127	0.283	<0.0136	0.088		360
	Benzo (g,h,i) perylene	39	80000								0.596	0.393	0.282	<0.0158	<0.0158	<0.0158	1.8		6,800
	Benzo (k) fluoranthene	39	10000								<0.0075	<0.0075	0.09	<0.0075	<0.0075	<0.0075	0.88		870
	Chrysene	390	440								1.3	0.115	0.458	0.079	0.262	<0.0118	8.8		37
–	Dibenzo (a,h) anthracene	0.39	810								<0.0162	0.055	0.055	<0.0162	<0.0162	<0.0162	0.0088		38
	Fluoranthene	40000	100000								2.7	0.142	0.968	0.142	0.559	0.046	600		500
	Fluorene	40000	2700								<0.0195	<0.0195	<0.0195	<0.0195	0.049	<0.0195	600		100
–	Indeno (1,2,3-cd) pyrene	3.9	8000								0.528	0.18	0.225	0.04	0.119	<0.0153	0.088		680
	Methylnaphthalene, 1-	70000	270								<0.0239	<0.0239	<0.0239	<0.0239	<0.0239	<0.0239	1,100		23
	Methylnaphthalene, 2-	20000	240								<0.0242	<0.0242	<0.0242	<0.0242	<0.0242	<0.0242	600		20
	Phenanthrene	390	21								0.782	0.066	0.562	0.085	0.411	0.039	18		1.8
	Pyrene	30000	120000								2.53	0.222	0.967	0.158	0.568	0.043	500		8,700
DRO	Diesel Range Organics	na	100								13	3.1	2.6	3.1	8.5	<0.97	–		–
TOC	Total Organic Carbon	na	na					11800	206000	34600							–		–

Notes: See page 6

*trivalent chromium

TABLE 3
SOIL CHEMISTRY DATA
3901 NORTH 2ND STREET PROPERTY, MILWAUKEE, WISCONSIN
TRIAD PROJECT NO. W023419

6/29/02

Group	Constituent	Direct Contact Pathway Preliminary Site Specific RCL (industrial - mg/kg)	Groundwater Pathway Preliminary Site Specific RCL (mg/kg)	Boring Number, Date Sampled, and Sample Depth (feet below ground surface)											
				B-GP-4		B-GP-5		B-GP-6		B-GP-7		B-GP-8		B-GP-9	
				9/27/01	9/27/01	9/27/01	9/27/01	9/27/01	9/27/01	9/27/01	9/27/01	9/27/01	9/27/01	9/27/01	9/27/01
				2	5	2	6	2	6	2	6	2	5	2	5
				Concentrations (milligrams per kilogram)											
Metals	Arsenic	16	0.1	<2.87		<2.88		<2.82		<2.99		<3.06		26.6	
	Barium	72000	16.4	66.2		64.4		29.5		55.3		<30.6		120	
	Cadmium	510	0.04	<0.575		<0.576		<0.564		<0.598		<0.611		<0.629	
	Chromium	200	na	14		13.5		13.1		15.5		13		8.45	
	Lead	500	na	21.7		41.3		20		26.6		18.7		219	
	Mercury	na	0.02	<0.0460		<0.0461		<0.0451		<0.0478		0.0655		0.0674	
	Selenium	5100	0.06	<2.87		<2.88		<2.82		<2.99		<3.06		<3.15	
	Silver	5100	0.4	<2.87		<2.88		3.15		4.87		<3.06		<3.15	
VOCs	Butylbenzene, n-	41000	na	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	0.0614	<0.0250	<0.0250	<0.0250	<0.0347	<0.0250
	Butylbenzene, sec-	41000	na	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	0.107	<0.0250	<0.0250	<0.0250	<0.0347	<0.0250
	Dichloroethane, 1,1-	1700	2.8	<0.0250	0.118	<0.0250	<0.0250	<0.0250	<0.0250	<0.0327	<0.0250	<0.0250	<0.0250	<0.0347	<0.0250
	Dichloroethylene, cis-1,2-	10000	0.20	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	0.042	<0.0327	<0.0250	<0.0250	<0.0250	<0.0347	<0.0250
	Ethylbenzene	5100	34	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	0.0448	<0.0250	<0.0250	<0.0250	0.0462	<0.0250
	Isopropylbenzene	na	na	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	0.0784	<0.0250	<0.0250	<0.0250	<0.0347	<0.0250
	Isopropyltoluene, p-	na	na	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	0.0878	<0.0250	<0.0250	<0.0250	<0.0347	<0.0250
	Methylene Chloride	18	0.011	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.131	<0.1	<0.1	<0.1	<0.139	<0.1
	Naphthalene	47	8.3	<0.0241	<0.0241	<0.0241	<0.0241	<0.0241	<0.0241	<0.0241	<0.0241	<0.0241	0.103	<0.0241	<0.0241
	Propylbenzene, n-	41000	na	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0327	<0.0250	<0.0250	<0.0250	<0.0347	<0.0250
	Tetrachloroethene	19	0.058	<0.0250	<0.0250	<0.0250	<0.0250	1.91	<0.0250	0.0396	<0.0250	<0.0250	<0.0250	1.55	7.67
	Toluene	1700	18	<0.0250	0.0375	<0.0250	<0.0250	<0.0250	<0.0250	<0.0327	<0.0250	<0.0250	<0.0250	0.0497	<0.0250
	Trichloroethane, 1,1,1-	6400	2.4	0.0985	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	0.122	<0.0250	<0.0250	<0.0250	<0.0347	<0.0250
	Trichloroethene	5.2	0.022	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	0.0664	<0.0327	<0.0250	<0.0250	<0.0250	<0.0347	0.0648
	Trimethylbenzene, 1,2,4-	51000	na	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0327	<0.0250	<0.0250	<0.0250	0.123	<0.0250
	Trimethylbenzene, 1,3,5-	51000	na	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	0.0874	<0.0250	<0.0250	<0.0250	<0.0347	<0.0250
	Xylene (total)	1000000	11.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	0.0446	<0.0250	<0.0250	<0.0250	0.0574	<0.0250
PAHs	Acenaphthene	60000	1700	<0.0162	<0.0162	<0.0162	<0.0162	<0.0162	<0.0162	<0.0162	<0.0162	0.076	0.363	0.378	<0.0162
	Acenaphthylene	360	na	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.087	0.369	0.378	<0.02
	Anthracene	300000	180000	0.119	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	0.094	0.181	<0.012	<0.012	<0.012
	Benzo (a) anthracene	3.9	330	0.462	0.145	<0.0091	<0.0091	<0.0091	0.1	0.065	0.072	0.268	0.67	0.036	0.043
	Benzo (a) pyrene	0.39	10000	0.511	0.158	<0.0093	<0.0093	<0.0093	0.084	0.054	0.056	0.282	0.497	0.029	0.034
	Benzo (b) fluoranthene	3.9	4200	0.639	0.202	<0.0136	<0.0136	<0.0136	0.141	0.107	<0.0136	0.532	0.995	0.061	0.041
	Benzo (g,h,i) perylene	39	80000	0.331	0.1	<0.0158	<0.0158	<0.0158	<0.0158	<0.0158	0.053	0.202	0.3	<0.0158	<0.0158
	Benzo (k) fluoranthene	39	10000	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075
	Chrysene	390	440	0.471	0.157	<0.0118	<0.0118	<0.0118	0.102	0.085	0.075	0.304	0.644	0.038	0.046
	Dibenzo (a,h) anthracene	0.39	810	0.072	<0.0162	<0.0162	<0.0162	<0.0162	<0.0162	<0.0162	<0.0162	0.042	<0.0162	<0.0162	<0.0162
	Fluoranthene	40000	100000	0.835	0.247	<0.0111	<0.0111	<0.0111	0.21	0.144	0.162	0.548	1.32	<0.0111	0.101
	Fluorene	40000	2700	<0.0195	<0.0195	<0.0195	<0.0195	<0.0195	<0.0195	<0.0195	<0.0195	<0.0195	0.099	0.056	<0.0195
	Indeno (1,2,3-cd) pyrene	3.9	8000	0.263	0.081	<0.0153	<0.0153	<0.0153	<0.0153	<0.0153	<0.0153	0.168	0.253	<0.0153	<0.0153
	Methylnaphthalene, 1-	70000	270	<0.0239	<0.0239	<0.0239	<0.0239	<0.0239	<0.0239	<0.0239	<0.0239	<0.0239	<0.0239	<0.0239	<0.0239
	Methylnaphthalene, 2-	20000	240	<0.0242	<0.0242	<0.0242	<0.0242	<0.0242	<0.0242	<0.0242	<0.0242	<0.0242	<0.0242	<0.0242	<0.0242
	Phenanthrene	390	21	0.096	0.108	<0.01	<0.01	<0.01	0.104	0.063	0.094	0.18	0.256	0.03	0.044
	Pyrene	30000	120000	0.763	0.252	<0.0099	<0.0099	<0.0099	0.24	0.134	0.158	0.534	1.27	0.069	0.097
DRO	Diesel Range Organics	na	100	5.3	5.2	1.3	2.2	5.7	4.8	6.2	5.2	5.9	7.9	2.2	5.8
TOC	Total Organic Carbon	na	na												

Notes: See page 6

TABLE 3
SOIL CHEMISTRY DATA
3901 NORTH 2ND STREET PROPERTY, MILWAUKEE, WISCONSIN
TRIAD PROJECT NO. W023419

Group	Constituent	Direct Contact Pathway Preliminary Site Specific RCL (industrial - mg/kg)	Groundwater Pathway Preliminary Site Specific RCL (mg/kg)	Boring Number, Date Sampled, and Sample Depth (feet below ground surface)												
				B-GP-10		B-GP-11			B-GP-12			B-GP-13		B-GP-14		
				9/28/01	9/28/01	4/15/02	4/15/02	4/15/02	4/15/02	4/15/02	4/15/02	4/15/02	4/15/02	4/15/02	4/15/02	4/15/02
				2	5	1	2	3	1	2	3	2	3	1	2	3
				Concentrations (milligrams per kilogram)												
Metals	Arsenic	16	0.1	<2.91		<2.69		<2.91	<2.48		<2.81		<2.7	<2.63		<2.77
	Barium	72000	16.4	59.7												
	Cadmium	510	0.04	<0.582												
	Chromium	200	na	9.03												
	Lead	500	na	69.3												
	Mercury	na	0.02	0.0652												
	Selenium	5100	0.06	<2.91												
	Silver	5100	0.4	<2.91												
VOCs	Butylbenzene, n-	41000	na	<0.0250	<0.0250		<0.023			<0.021		<0.021			<0.024	
	Butylbenzene, sec-	41000	na	<0.0250	<0.0250		<0.021			<0.02		<0.02			<0.023	
	Dichloroethane, 1,1-	1700	2.8	<0.0250	<0.0250		<0.02			<0.019		<0.019			<0.022	
	Dichloroethylene, cis-1,2-	10000	0.20	<0.0250	<0.0250		<0.017			<0.016		<0.016			<0.018	
	Ethylbenzene	5100	34	<0.0250	<0.0250		0.048			<0.015		0.045			0.027	
	Isopropylbenzene	na	na	<0.0250	<0.0250		<0.021			<0.019		<0.019			<0.022	
	Isopropyltoluene, p-	na	na	<0.0250	<0.0250		<0.02			<0.018		<0.018			<0.021	
	Methylene Chloride	18	0.011	<0.1	<0.1		<0.019			<0.018		<0.018			<0.021	
	Naphthalene	47	8.3	<0.0241	<0.0241		<0.048			<0.044		<0.044			0.067	
	Propylbenzene, n-	41000	na	<0.0250	<0.0250		<0.018			<0.017		<0.017			0.024	
	Tetrachloroethene	19	0.058	3.48	<0.0250		0.466			0.098		20.6			0.916	
	Toluene	1700	18	0.055	<0.0250		1.25			0.035		0.113			0.093	
	Trichloroethane, 1,1,1-	6400	2.4	<0.0250	<0.0250		<0.02			<0.018		<0.018			<0.021	
	Trichloroethene	52	0.022	<0.0250	<0.0250		<0.022			<0.02		<0.02			<0.023	
	Trimethylbenzene, 1,2,4-	51000	na	<0.0250	<0.0250		0.033			<0.018		0.027			0.036	
	Trimethylbenzene, 1,3,5-	51000	na	<0.0250	<0.0250		<0.022			<0.02		<0.02			<0.023	
	Xylene (total)	1000000	110	0.0325	<0.0250		0.617			0.035		0.466			0.077	
PAHs	Acenaphthene	60000	1700	<0.0162	<0.0162											
	Acenaphthylene	360	na	<0.02	<0.02											
	Anthracene	300000	180000	0.125	<0.012											
	Benzo (a) anthracene	3.9	330	0.086	<0.0091											
	Benzo (a) pyrene	0.39	10000	0.075	<0.0093											
	Benzo (b) fluoranthene	3.9	4200	<0.0136	<0.0136											
	Benzo (g,h,i) perylene	39	80000	0.051	<0.0158											
	Benzo (k) fluoranthene	39	10000	<0.0075	<0.0075											
	Chrysene	390	440	0.091	<0.0118											
	Dibenzo (a,h) anthracene	0.39	810	<0.0162	<0.0162											
	Fluoranthene	40000	100000	0.156	<0.0111											
	Fluorene	40000	2700	<0.0195	<0.0195											
	Indeno (1,2,3-cd) pyrene	3.9	8000	0.036	<0.0153											
	Methylnaphthalene, 1-	70000	270	<0.0239	<0.0239											
	Methylnaphthalene, 2-	20000	240	<0.0242	<0.0242											
	Phenanthrene	390	21	0.125	<0.01											
	Pyrene	30000	120000	0.191	<0.0099											
DRO	Diesel Range Organics	na	100	<0.97	<0.97											
TOC	Total Organic Carbon	na	na													

Notes: See page 6

TABLE 3
SOIL CHEMISTRY DATA
3901 NORTH 2ND STREET PROPERTY, MILWAUKEE, WISCONSIN
TRIAD PROJECT NO. W023419

Group	Constituent	Direct Contact Pathway Preliminary Site Specific RCL (industrial - mg/kg)	Groundwater Pathway Preliminary Site Specific RCL (mg/kg)	Boring Number, Date Sampled, and Sample Depth (feet below ground surface)											
				B-GP-15		B-GP-16		B-GP-17		B-GP-18			B-TW-19		
				4/16/02	4/16/02	4/16/02	4/16/02	4/16/02	4/16/02	4/16/02	4/16/02	4/16/02	4/16/02	4/16/02	4/16/02
				2	5.5	2	6	3	6	0.5	3	5.5	0.5	2	5.5
				Concentrations (milligrams per kilogram)											
Metals	Arsenic	16	0.1							<2.57		<2.54	<2.62		<2.6
	Barium	72000	16.4												
	Cadmium	510	0.04												
	Chromium	200	na												
	Lead	500	na												
	Mercury	na	0.02												
	Selenium	5100	0.06												
	Silver	5100	0.4												
VOCs	Butylbenzene, n-	41000	na	<0.022	<0.022	<0.022	<0.02	<0.024	<0.022		<0.025	<0.022		<0.025	<0.022
	Butylbenzene, sec-	41000	na	<0.021	<0.021	<0.02	<0.019	<0.022	<0.021		<0.023	<0.02		<0.023	<0.021
	Dichloroethane, 1,1-	1700	2.8	<0.02	<0.02	<0.019	<0.018	<0.021	<0.02		<0.022	<0.019		<0.022	<0.02
	Dichloroethylene, cis-1,2-	10000	0.20	<0.017	<0.017	<0.016	<0.015	<0.018	<0.017		<0.019	<0.016		<0.019	<0.017
	Ethylbenzene	5100	34	0.027	<0.016	<0.015	<0.014	<0.017	<0.016		<0.018	<0.015		<0.017	<0.016
	Isopropylbenzene	na	na	<0.021	<0.02	<0.02	<0.019	<0.022	<0.021		<0.023	<0.02		<0.023	<0.02
	Isopropyltoluene, p-	na	na	<0.02	<0.019	<0.019	<0.018	<0.021	<0.02		<0.022	<0.019		<0.022	<0.019
	Methylene Chloride	18	0.011	<0.019	<0.019	<0.018	<0.017	0.412	0.231		<0.021	<0.018		<0.021	<0.019
	Naphthalene	47	8.3	0.092	<0.046	0.353	<0.043	<0.05	<0.047		<0.052	<0.046		<0.052	<0.047
	Propylbenzene, n-	41000	na	<0.018	<0.017	<0.017	<0.016	<0.019	<0.018		<0.02	<0.017		<0.019	<0.017
	Tetrachloroethene	19	0.058	1.39	0.053	0.053	<0.017	6.26	0.076		1.19	0.412		12.1	0.985
	Toluene	1700	18	0.152	<0.018	0.03	<0.017	0.619	<0.018		<0.02	<0.018		0.024	<0.018
	Trichloroethane, 1,1,1-	6400	2.4	<0.02	<0.019	0.087	<0.018	0.095	0.053		<0.022	<0.019		<0.022	0.023
	Trichloroethene	52	0.022	<0.022	<0.021	<0.021	<0.02	<0.023	<0.022		<0.024	<0.021		<0.024	<0.021
	Trimethylbenzene, 1,2,4-	51000	na	0.032	<0.018	0.024	<0.017	<0.02	<0.019		<0.021	<0.018		<0.021	<0.019
	Trimethylbenzene, 1,3,5-	51000	na	<0.022	<0.021	<0.021	<0.019	<0.023	<0.022		<0.024	<0.021		<0.024	<0.021
	Xylene (total)	1000000	1.0	0.139	<0.033	0.039	<0.03	<0.035	<0.034		<0.037	<0.032		<0.037	<0.033
PAHs	Acenaphthene	60000	1700												
	Acenaphthylene	360	na												
	Anthracene	300000	180000												
	Benzo (a) anthracene	39	330												
	Benzo (a) pyrene	0.39	10000												
	Benzo (b) fluoranthene	39	4200												
	Benzo (g,h,i) perylene	39	80000												
	Benzo (k) fluoranthene	39	10000												
	Chrysene	390	440												
	Dibenzo (a,h) anthracene	0.39	810												
	Fluoranthene	40000	100000												
	Fluorene	40000	2700												
	Indeno (1,2,3-cd) pyrene	39	8000												
	Methylnaphthalene, 1-	70000	270												
	Methylnaphthalene, 2-	20000	240												
	Phenanthrene	390	21												
	Pyrene	30000	120000												
DRO	Diesel Range Organics	na	100												
TOC	Total Organic Carbon	na	na												

Notes: See page 6

TABLE 3
SOIL CHEMISTRY DATA
3901 NORTH 2ND STREET PROPERTY, MILWAUKEE, WISCONSIN
TRIAD PROJECT NO. W023419

Group	Constituent	Direct Contact Pathway Preliminary Site Specific RCL (industrial - mg/kg)	Groundwater Pathway Preliminary Site Specific RCL (mg/kg)	Boring Number, Date Sampled, and Sample Depth (feet below ground surface)								
				B-TW-20				B-TW-21	B-TW-22		B-TW-23	
				4/16/02	4/16/02	4/16/02	4/16/02	4/16/02	4/16/02	4/16/02	4/16/02	4/16/02
				0.5	3.5	5	5.5	3	3	5	3	6
				Concentrations (milligrams per kilogram)								
Metals	Arsenic	16	0.1	<2.87		<2.85						
	Barium	72000	16.4									
	Cadmium	510	0.04									
	Chromium	200	na									
	Lead	500	na									
	Mercury	na	0.02									
	Selenium	5100	0.06									
	Silver	5100	0.4									
VOCs	Butylbenzene, n-	41000	na		<0.026		<0.022	<0.021	0.023	<0.022	<0.021	<0.02
	Butylbenzene, sec-	41000	na		<0.024		<0.021	<0.02	<0.02	<0.02	<0.02	<0.018
	Dichloroethane, 1,1-	1700	2.8		<0.023		<0.02	<0.019	<0.019	<0.019	<0.019	<0.017
	Dichloroethylene, cis-1,2-	10000	0.20		<0.02		<0.017	<0.016	<0.016	<0.016	<0.016	<0.015
	Ethylbenzene	5100	34		<0.018		<0.016	0.103	0.054	<0.015	<0.015	<0.014
	Isopropylbenzene	na	na		<0.024		<0.02	<0.019	0.021	<0.02	<0.019	<0.018
	Isopropyltoluene, p-	na	na		<0.023		<0.02	<0.018	<0.019	<0.019	<0.018	<0.017
	Methylene Chloride	18	0.011		0.218		<0.019	0.314	0.081	<0.018	1.38	0.069
	Naphthalene	47	8.3		0.097		<0.047	0.132	0.604	2.78	<0.044	<0.041
	Propylbenzene, n-	41000	na		<0.02		<0.018	<0.016	<0.017	<0.017	<0.016	<0.015
	Tetrachloroethene	19	0.058		11.8		0.352	19.7	0.072	0.209	0.115	<0.017
	Toluene	1700	18		<0.023		<0.018	0.667	0.139	0.047	0.026	<0.016
	Trichloroethane, 1,1,1-	6400	2.4		0.089		<0.02	0.144	<0.019	<0.019	0.141	<0.017
	Trichloroethene	52	0.022		<0.025		0.039	<0.02	<0.021	<0.021	<0.02	<0.019
	Trimethylbenzene, 1,2,4-	51000	na		<0.022		<0.019	0.037	0.098	0.03	<0.018	<0.016
	Trimethylbenzene, 1,3,5-	51000	na		<0.025		<0.021	0.021	0.031	<0.021	<0.02	<0.019
	Xylene (total)	1000000	110		<0.039		<0.033	1.12	0.188	0.057	<0.031	<0.029
PAHs	Acenaphthene	60000	1700									
	Acenaphthylene	360	na									
	Anthracene	300000	180000									
	Benzo (a) anthracene	3.9	330									
	Benzo (a) pyrene	0.39	10000									
	Benzo (b) fluoranthene	3.9	4200									
	Benzo (g,h,i) perylene	39	80000									
	Benzo (k) fluoranthene	39	10000									
	Chrysene	390	440									
	Dibenzo (a,h) anthracene	0.39	810									
	Fluoranthene	40000	100000									
	Fluorene	40000	2700									
	Indeno (1,2,3-cd) pyrene	3.9	8000									
	Methylnaphthalene, 1-	70000	270									
	Methylnaphthalene, 2-	20000	240									
	Phenanthrene	390	21									
	Pyrene	30000	120000									
DRO	Diesel Range Organics	na	100									
TOC	Total Organic Carbon	na	na									

Notes: See page 6

TABLE 3
SOIL CHEMISTRY DATA
3901 NORTH 2ND STREET PROPERTY,MILWAUKEE, WISCONSIN
TRIAD PROJECT NO. W023419

Note: na = not available
PAH = polynuclear aromatic hydrocarbon
RCL = residual contaminant level (as defined in NR 720)
VOC = volatile organic compound

Only VOCs detected in at least one soil sample are shown on this table.
Blank spaces indicate no analysis was performed.
Bold-face type with underlining designates concentrations equal to or greater than preliminary RCLs calculated for the direct contact pathway (using industrial site exposure assumptions).
Shaded cells designate concentrations equal to or greater than preliminary RCLs for groundwater protection.

Notes:

1. Direct contact RCLs based on:
   - Metals (arsenic, cadmium, chromium, lead) from NR 720.11 Table 2 for non-industrial land use
   - Metals (barium, mercury, selenium, silver) calculated in accordance with NR 720.19 and described in WDNR publication PUB-RR-682.
   - VOCs (except naphthalene) calculated in accordance with NR 720.19 and described in PUB-RR-682.
   - PAHs (and naphthalene) from WDNR publication RR-519-97 (non-industrial land use)

   Ing = ingestion
   Inh = inhalation

2. Protection of groundwater RCLs based on:
   - Metals and non-petroleum VOCs calculated in accordance with NR 720.19 and described in PUB-RR-682.
   - Petroleum VOCs from NR 720.09 Table 1
   - PAHs from WDNR publication RR-519-97

3. Exceedances:
   ⬭ = concentration above migration to GW RCL
   * * = concentration above direct contact RCL

Table 1
Post-Excavation Soil Analytical Results
Capitol Crossing Redevelopment Project - 3901 North 2nd Street (North Half), Milwaukee Wisconsin
Sigma Project No. 9841

Post-Remediation Sample Location:		Soil Excavation 1				Soil Excavation 2										Protection of Groundwater RCLs [3]		Protection of Direct Contact RCLs [4]		
Soil Sample Identification:		NSW-1	ESW-1	SSW-1	WSW-1	WSW-2A	WSW-2B	SSW-2A	SSW-2B	SSW-2C	ESW-2A	ESW-2B	NSW-2A	NSW-2B	NSW-2C					
		(North Sidwall)	(East Sidewall)	(South Sidewall)	(West Sidewall)	(West Sidewall)		(South Sidewall)			(East Sidewall)		(North Sidwall)							
Sample Depth (ft):		3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	Interim Guidance RCL	NR 720.19 RCL	NR 720.19 RCL (Inhalation of Volatiles)	NR 720.19 RCL (Ingestion)	Interim Guidance RCL
Collection Date:		4/9/07	4/9/07	4/9/07	4/9/07	4/9/07	4/10/07	4/9/07	4/9/07	4/10/07	4/10/07	4/10/07	4/10/07	4/10/07	4/10/07					
Organic Vapor Monitor	ppm	0.0	0.8	1.3	0.7	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0					
Detected VOCs																				
Naphthalene	µg/kg	<25	<25	<25	29.5 "J"	32 "J"	<25	<25	<25	<25	<25	<25	<25	<25	<25	400	---	---	---	20,000
Tetrachloroethene	µg/kg	***490***	***283***	***7,100***	***3,800***	***269***	***50 "J"***	***52 "J"***	***740***	***620***	***530***	***137***	***198***	***154***	***51 "J"***	---	4.1	2,100	1,230	---
Trichloroethene	µg/kg	<25	<25	<25	***58 "J"***	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	---	3.7	14	160	---

Notes:
1. ppm = parts per million
2. µg/kg = micrograms per kilogram (equivalent to parts per billion [ppb])
3. Protection of Groundwater RCLs:
   For naphthalene, Interim Guidance RCL for protection of groundwater pathway is from WDNR publication RR-519-97 "Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs) Interim Guidance" (April 1997)
   For PCE and TCE, NR 720.19 RCLs are from Wisconsin Administrative Code, Chapter NR 720.19 Residual Contaminant Level for protection of groundwater as calculated in accordance with WDNR PUB-RR-682 (US EPA soil screening level web site with WDNR default parameters)
4. Protection of Direct Contact RCLs:
   For naphthalene, Interim guidance RCL for protection of direct contact is for **non-industrial** land use, from WDNR publication RR-519-97 "Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs) Interim Guidance" (April 1997)
   For PCE and TCE, NR 720.19 RCLs (Inhalation of Volatiles) are from Wisconsin Administrative Code, Chapter NR 720.19 Residual Contaminant Level for protection of direct contact via inhalation of volatiles at a **non-industrial** site as calculated in accordance with WDNR PUB-RR-682 (US EPA soil screening level web site with WDNR default parameters)
   For PCE and TCE, NR 720.19 RCLs (Ingestion) are from Wisconsin Administrative Code, Chapter NR 720.19 Residual Contaminant Level for protection of direct contact via ingestion of soil at a **non-industrial** site as calculated in accordance with WDNR PUB-RR-682 (US EPA soil screening level web site with WDNR default parameters)
5. Laboratory flag: "J" = Analyte detected between Limit of Detection and Limit of Quantitation
6. --- = No RCL
7. Exceedances: ***bold, italics*** = Concentration exceeds listed RCL

Table 3A
Groundwater Quality Data (Original 225 W. Capitol Drive Parcel)
Capitol Crossing Redevelopment Project, Milwaukee, Wisconsin
Sigma Project No. 9841

Well ID:		SMW-1										SMW-2									NR 140	NR 140
Analytes	Date	10/15/03	04/09/04	05/28/04	07/15/04	11/22/04	03/18/05	09/23/05	03/17/06	09/27/06	05/15/07	10/15/03	04/09/04	07/15/04	11/22/04	03/18/05	09/23/05	03/17/06	09/27/06	05/15/07	**ES**	**PAL**
Dissolved RCRA Metals																						
Arsenic	µg/L	<5.0	NA	NA	<1.8	NA	NA	NA	NA	NA	Well abandoned on 3/30/07 for site redevelopment work.	<5.0	NA	***2.2***	NA	NA	NA	0.47 Q	***2.3***	Well buried/lost between 4/26/07 and 5/4/07 during site redevelopment work.	10	1
Cadmium	µg/L	<0.50	NA	NA	<0.28	NA	NA	NA	NA	NA		<0.50	NA	<0.28	NA	NA	NA	NA	NA		5	0.5
Mercury	µg/L	<0.20	NA	NA	<0.028	NA	NA	NA	NA	NA		<0.20	NA	<0.028	NA	NA	NA	NA	NA		2	0.2
Barium	µg/L	<400	NA	NA	82	NA	NA	NA	NA	NA		<400	NA	75	NA	NA	NA	NA	NA		2,000	400
Chromium	µg/L	<10	NA	NA	<0.52	NA	NA	NA	NA	NA		<10	NA	<0.52	NA	NA	NA	NA	NA		100	10
Silver	µg/L	<10	NA	NA	<0.57	NA	NA	NA	NA	NA		<10	NA	<0.57	NA	NA	NA	NA	NA		50	10
Lead	µg/L	<1.50	NA	NA	<1.5	NA	NA	NA	NA	NA		<1.50	NA	<1.5	NA	NA	NA	NA	NA		15	1.5
Selenium	µg/L	<10.0	NA	NA	<2.4	NA	NA	NA	NA	NA		<10.0	NA	<2.4	NA	NA	NA	NA	NA		50	10
PVOCs/Detected VOCs																						
Benzene	µg/L	<0.50	<0.41	NA	<0.41	<0.41	NA	<0.26	NA	<0.47		<0.50	<0.41	<0.41	<0.41	NA	<0.26	NA	<0.47		5	0.5
Carbon tetrachloride	µg/L	<0.50	<0.49	NA	<0.49	<0.49	NA	<0.25	NA	<0.52		<0.50	<0.49	<0.49	<0.49	NA	<0.25	NA	<0.52		5	0.5
Chloroform	µg/L	<0.14	<0.37	NA	<0.37	<0.37	NA	<0.78	NA	<0.61		<0.14	<0.37	<0.37	<0.37	NA	<0.78	NA	<0.61		6	0.6
Ethylbenzene	µg/L	<0.50	<0.54	NA	<0.54	<0.54	NA	<0.3	NA	<0.38		<0.50	<0.54	<0.54	<0.54	NA	<0.3	NA	<0.38		700	140
Methylene Chloride	µg/L	<0.53	<0.43	NA	***0.73 Q***	<0.43	NA	<0.55	NA	<0.69		<0.53	<0.43	<0.43	<0.43	NA	<0.55	NA	<0.69		5	0.5
Methyl-tert-butyl-ether	µg/L	<0.50	<0.61	NA	<0.61	<0.61	NA	<0.36	NA	<0.52		<0.50	<0.61	<0.61	<0.61	NA	<0.36	NA	<0.52		60	12
Tetrachloroethene	µg/L	<0.50	<0.45	NA	<0.45	<0.45	NA	<0.45	NA	<0.52		<0.50	<0.45	<0.45	<0.45	NA	<0.45	NA	<0.52		5	0.5
Toluene	µg/L	<0.50	<0.67	NA	<0.67	<0.67	NA	<0.52	NA	<0.59		<0.50	<0.67	<0.67	<0.67	NA	<0.52	NA	<0.59		1,000	200
1,2,4-Trimethylbenzene	µg/L	<1.0	<0.97	NA	<0.97	<0.97	NA	<0.32	NA	<0.39		<1.0	<0.97	<0.97	<0.97	NA	<0.32	NA	<0.39		NS	NS
1,3,5-Trimethylbenzene	µg/L	<1.0	<0.83	NA	<0.83	<0.83	NA	<0.83	NA	<1.2		<1.0	<0.83	<0.83	<0.83	NA	<0.83	NA	<1.2		NS	NS
Total Trimethylbenzene	µg/L	<2.0	<1.80	NA	<1.80	<1.80	NA	<1.15	NA	<1.59		<2.0	<1.80	<1.80	<1.80	NA	<1.15	NA	<1.59		480	96
Xylenes, Total	µg/L	<0.50	<2.63	NA	<2.63	<2.63	NA	<1.17	NA	<1.42		<0.50	<2.63	<2.63	<2.63	NA	<1.17	NA	<1.42		10,000	1,000
PAHs																						
Acenaphthene	µg/L	<5.00	NA	<0.018	<0.017	<0.024	<0.021	<0.016	<0.016	<0.016		<5.00	NA	<0.017	<0.021	NA	<0.016	NA	<0.016		NS	NS
Acenaphthylene	µg/L	<5.00	NA	<0.019	<0.018	<0.024	<0.021	<0.012	<0.012	<0.012		<5.00	NA	<0.018	<0.021	NA	<0.012	NA	<0.012		NS	NS
Anthracene	µg/L	<5.00	NA	<0.020	<0.019	<0.022	<0.019	<0.013	<0.013	<0.013		<5.00	NA	<0.019	<0.019	NA	<0.013	NA	<0.013		3000	600
Benz(a)anthracene	µg/L	<0.100	NA	<0.012	<0.011	0.036	0.083	<0.012	<0.012	<0.012		<0.100	NA	<0.011	<0.021	NA	<0.012	NA	<0.012		NS	NS
Benzo(a)pyrene	µg/L	<0.0200	NA	<0.014	<0.013	***0.033***	***0.078***	<0.008	<0.008	<0.008		<0.0200	NA	<0.013	<0.020	NA	<0.008	NA	<0.008		0.2	0.02
Benzo(b)fluoranthene	µg/L	<5.00	NA	<0.013	<0.012	***0.027***	***0.077***	<0.009	<0.009	<0.009		<5.00	NA	<0.012	<0.019	NA	<0.009	NA	<0.009		0.2	0.02
Benzo(ghi)perylene	µg/L	<0.100	NA	<0.016	<0.015	<0.025	0.053 Q	<0.01	<0.01	<0.01		<0.100	NA	<0.015	<0.022	NA	<0.01	NA	<0.01		NS	NS
Benzo(k)fluoranthene	µg/L	<0.100	NA	<0.019	<0.018	0.025	0.068 Q	<0.009	<0.009	<0.009		<0.100	NA	<0.018	<0.021	NA	<0.009	NA	<0.009		NS	NS
Chrysene	µg/L	***0.0215***	NA	<0.014	<0.013	***0.032***	***0.080***	<0.011	<0.011	<0.011		<0.0200	NA	<0.013	<0.018	NA	<0.011	NA	<0.011		0.2	0.02
Dibenz(a,h)anthracene	µg/L	<0.100	NA	<0.016	<0.015	<0.027	<0.024	<0.009	<0.009	<0.009		<0.100	NA	<0.015	<0.024	NA	<0.009	NA	<0.009		NS	NS
Fluoranthene	µg/L	<5.00	NA	<0.013	<0.012	0.075	0.15	<0.011	<0.011	<0.011		<5.00	NA	<0.012	<0.018	NA	<0.011	NA	<0.011		400	80
Fluorene	µg/L	<5.00	NA	<0.017	<0.016	<0.027	<0.024	<0.015	<0.015	<0.015		<5.00	NA	<0.016	<0.024	NA	<0.015	NA	<0.015		400	80
Indeno(1,2,3-cd)pyrene	µg/L	<0.200	NA	<0.021	<0.020	<0.021	0.045 Q	<0.015	<0.015	<0.015		<0.200	NA	<0.020	<0.018	NA	<0.015	NA	<0.015		NS	NS
1-Methylnaphthalene	µg/L	<5.00	NA	<0.018	<0.017	<0.025	<0.22	<0.018	<0.018	<0.018		<5.00	NA	<0.017	0.024	NA	<0.018	NA	<0.018		NS	NS
2-Methylnaphthalene	µg/L	<5.00	NA	<0.017	<0.016	<0.028	<0.25	<0.021	<0.021	<0.021		<5.00	NA	<0.016	0.029	NA	<0.021	NA	<0.021		NS	NS
Naphthalene	µg/L	<5.00	NA	<0.024	<0.023	<0.028	<0.025	<0.028	<0.028	<0.028		<5.00	NA	<0.023	<0.024	NA	<0.028	NA	<0.028		100	10
Phenanthrene	µg/L	<5.00	NA	<0.016	<0.015	<0.025	0.035 Q	<0.011	<0.011	<0.011		<5.00	NA	<0.015	<0.022	NA	<0.011	NA	<0.011		NS	NS
Pyrene	µg/L	<5.00	NA	<0.017	<0.016	0.066	0.15	<0.01	<0.01	0.014 Q		<5.00	NA	<0.016	<0.018	NA	<0.01	NA	<0.01		250	50
Dissolved Gasses																						
Ethane	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA		NS	NS
Ethene	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA		NS	NS
Methane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA		NS	NS
Biofeasibility Data																						
pH	IU	7	7	NA	8.1	7	8.0	7	8.6	7.8		7	7	7.8	7	NA	7	9.1	8.3		NS	NS
Temperature	°C	10.5	8	NA	14	14.4	5.4	NA	7.6	16.0		10.8	7.1	14	14.1	NA	NA	7.2	16.5		NS	NS
Ferrous Iron	mg/l	0	0	NA	0	0	0	0.0	0.0	0.0		0	0	1	0	NA	0.0	0.0	4.2		NS	NS
Dissolved Oxygen	mg/l	0.26	1	NA	1.38	1.67	4.41	0.33	1.20	0.31		0.24	0.34	0.56	1.55	NA	0.27	2.60	0.26		NS	NS
Redox Potential	mV	44.9	144.5	NA	52.9	NA	98	NA	198	60		62.1	145.9	24.5	NA	NA	NA	199	-69		NS	NS

Notes:
1. NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard.
2. NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit.
3. NS = no standard
4. µg/L = micrograms per liter (equivalent to parts per billion, ppb)
5. mg/L = milligrams per liter (equivalent to parts per million, ppm)
6. NA = Not Analyzed
7. Q = Results are qualified due to the uncertainty of the parameter concentration between the Limit of Detection and Limit of Quantitation.
8. Exceedances: **bold** = Concentration exceeds NR 140 ES
bold, italics = Concentration exceeds NR 140 PAL

Table 3A
Groundwater Quality Data (Original 225 W. Capitol Drive Parcel)
Capitol Crossing Redevelopment Project, Milwaukee, Wisconsin
Sigma Project No. 9841

Well ID:		SMW-3									PZ-1								NR 140	NR 140
Analytes	Date	10/15/03	04/09/04	07/15/04	11/22/04	03/18/05	09/23/05	03/17/06	09/27/06	05/15/07	04/09/04	07/15/04	11/22/04	03/18/05	09/23/05	03/17/06	09/27/06	05/15/07	**ES**	**PAL**
Dissolved RCRA Metals																				
Arsenic	µg/L	<5.0	NA	<1.8	NA	NA	NA	NA	NA	Well buried/lost between 4/26/07 and 5/4/07 during site redevelopment work.	dry	dry	dry	dry	dry	dry	dry	Well buried/lost between 4/26/07 and 5/4/07 during site redevelopment work.	10	1
Cadmium	µg/L	<0.50	NA	<0.28	NA	NA	NA	NA	NA		dry	dry	dry	dry	dry	dry	dry		5	0.5
Mercury	µg/L	<0.20	NA	<0.028	NA	NA	NA	NA	NA		dry	dry	dry	dry	dry	dry	dry		2	0.2
Barium	µg/L	<400	NA	160	NA	NA	NA	NA	NA		dry	dry	dry	dry	dry	dry	dry		2,000	400
Chromium	µg/L	<10	NA	<0.52	NA	NA	NA	NA	NA		dry	dry	dry	dry	dry	dry	dry		100	10
Silver	µg/L	<10	NA	<0.57	NA	NA	NA	NA	NA		dry	dry	dry	dry	dry	dry	dry		50	10
Lead	µg/L	<1.50	NA	<1.5	NA	NA	NA	NA	NA		dry	dry	dry	dry	dry	dry	dry		15	1.5
Selenium	µg/L	<10.0	NA	<2.4	NA	NA	NA	NA	NA		dry	dry	dry	dry	dry	dry	dry		50	10
PVOCs/Detected VOCs																				
Benzene	µg/L	<0.50	<0.41	<0.41	<0.41	<0.41	<0.26	<0.26	<0.47		dry	dry	dry	dry	dry	dry	dry		5	0.5
Carbon tetrachloride	µg/L	**13.9**	**15**	**16**	**9.0**	**13**	**5.5**	<0.25	<0.52		dry	dry	dry	dry	dry	dry	dry		5	0.5
Chloroform	µg/L	***4.97***	**7.3**	**10**	**9.8**	**8.2**	***2.6***	***0.87 Q***	***0.62 Q***		dry	dry	dry	dry	dry	dry	dry		6	0.6
Ethylbenzene	µg/L	<0.50	<0.54	<0.54	<0.54	<0.54	<0.3	<0.3	<0.38		dry	dry	dry	dry	dry	dry	dry		700	140
Methylene Chloride	µg/L	<0.53	<0.43	***1.9***	***1.8***	<0.43	<0.55	<0.55	<0.69		dry	dry	dry	dry	dry	dry	dry		5	0.5
Methyl-tert-butyl-ether	µg/L	<0.50	<0.61	<0.61	<0.61	<0.61	<0.36	<0.36	<0.52		dry	dry	dry	dry	dry	dry	dry		60	12
Tetrachloroethene	µg/L	<0.50	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.52		dry	dry	dry	dry	dry	dry	dry		5	0.5
Toluene	µg/L	<0.50	<0.67	<0.67	<0.67	<0.67	<0.52	<0.52	<0.59		dry	dry	dry	dry	dry	dry	dry		1,000	200
1,2,4-Trimethylbenzene	µg/L	<1.0	<0.97	<0.97	<0.97	<0.97	<0.32	<0.32	<0.39		dry	dry	dry	dry	dry	dry	dry		NS	NS
1,3,5-Trimethylbenzene	µg/L	<1.0	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<1.2		dry	dry	dry	dry	dry	dry	dry		NS	NS
Total Trimethylbenzene	µg/L	<2.0	<0.83	<1.80	<1.80	<1.80	<1.15	<1.15	<1.59		dry	dry	dry	dry	dry	dry	dry		480	96
Xylenes, Total	µg/L	<0.50	<0.83	<2.63	<2.63	<2.63	<1.17	<1.17	<1.42		dry	dry	dry	dry	dry	dry	dry		10,000	1,000
PAHs																				
Acenaphthene	µg/L	<5.00	NA	<0.017	<0.019	NA	<0.016	NA	<0.016		dry	dry	dry	dry	dry	dry	dry		NS	NS
Acenaphthylene	µg/L	<5.00	NA	<0.018	<0.019	NA	<0.012	NA	<0.012		dry	dry	dry	dry	dry	dry	dry		NS	NS
Anthracene	µg/L	<5.00	NA	<0.019	<0.018	NA	<0.013	NA	<0.013		dry	dry	dry	dry	dry	dry	dry		3000	600
Benz(a)anthracene	µg/L	<0.100	NA	<0.011	<0.020	NA	<0.012	NA	<0.012		dry	dry	dry	dry	dry	dry	dry		NS	NS
Benzo(a)pyrene	µg/L	<0.0200	NA	<0.013	<0.018	NA	<0.008	NA	<0.008		dry	dry	dry	dry	dry	dry	dry		0.2	0.02
Benzo(b)fluoranthene	µg/L	<5.00	NA	<0.012	<0.018	NA	<0.009	NA	<0.009		dry	dry	dry	dry	dry	dry	dry		0.2	0.02
Benzo(ghi)perylene	µg/L	<0.100	NA	<0.015	<0.021	NA	<0.01	NA	<0.01		dry	dry	dry	dry	dry	dry	dry		NS	NS
Benzo(k)fluoranthene	µg/L	<0.100	NA	<0.018	<0.019	NA	<0.009	NA	<0.009		dry	dry	dry	dry	dry	dry	dry		NS	NS
Chrysene	µg/L	<0.0200	NA	<0.013	<0.016	NA	<0.011	NA	<0.011		dry	dry	dry	dry	dry	dry	dry		0.2	0.02
Dibenz(a,h)anthracene	µg/L	<0.100	NA	<0.015	<0.022	NA	<0.009	NA	<0.009		dry	dry	dry	dry	dry	dry	dry		NS	NS
Fluoranthene	µg/L	<5.00	NA	<0.012	<0.016	NA	<0.011	NA	<0.011		dry	dry	dry	dry	dry	dry	dry		400	80
Fluorene	µg/L	<5.00	NA	<0.016	<0.022	NA	<0.015	NA	<0.015		dry	dry	dry	dry	dry	dry	dry		400	80
Indeno(1,2,3-cd)pyrene	µg/L	<0.200	NA	<0.020	<0.017	NA	<0.015	NA	<0.015		dry	dry	dry	dry	dry	dry	dry		NS	NS
1-Methylnaphthalene	µg/L	<5.00	NA	<0.017	<0.020	NA	<0.018	NA	<0.018		dry	dry	dry	dry	dry	dry	dry		NS	NS
2-Methylnaphthalene	µg/L	<5.00	NA	<0.016	<0.023	NA	<0.021	NA	<0.021		dry	dry	dry	dry	dry	dry	dry		NS	NS
Naphthalene	µg/L	<5.00	NA	<0.023	<0.022	NA	<0.028	NA	<0.028		dry	dry	dry	dry	dry	dry	dry		100	10
Phenanthrene	µg/L	<5.00	NA	<0.015	<0.020	NA	<0.011	NA	<0.011		dry	dry	dry	dry	dry	dry	dry		NS	NS
Pyrene	µg/L	<5.00	NA	<0.016	<0.016	NA	<0.01	NA	<0.01		dry	dry	dry	dry	dry	dry	dry		250	50
Dissolved Gasses																				
Ethane	ng/L	NA	<5.0	NA	NA	NA	NA	NA	NA		dry	dry	dry	dry	dry	dry	dry		NS	NS
Ethene	ng/L	NA	<5.0	NA	NA	NA	NA	NA	NA		dry	dry	dry	dry	dry	dry	dry		NS	NS
Methane	ug/L	NA	0.57	NA	NA	NA	NA	NA	NA		dry	dry	dry	dry	dry	dry	dry		NS	NS
Biofeasibility Data																				
pH	IU	7	7	6.8	7	8.1	7	8.8	8.8		dry	dry	dry	dry	dry	dry	dry		NS	NS
Temperature	°C	10.7	7.3	15	13.2	4.6	NA	8.0	15.3		dry	dry	dry	dry	dry	dry	dry		NS	NS
Ferrous Iron	mg/l	0	0	0	0	0	0.0	0.2	0.4		dry	dry	dry	dry	dry	dry	dry		NS	NS
Dissolved Oxygen	mg/l	0.27	4.4	0.62	0.95	5.02	0.43	1.49	0.30		dry	dry	dry	dry	dry	dry	dry		NS	NS
Redox Potential	mV	57.6	133.4	-17.8	NA	95	NA	197	50		dry	dry	dry	dry	dry	dry	dry		NS	NS

Notes:
1. NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard.
2. NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit.
3. NS = no standard
4. µg/L = micrograms per liter (equivalent to parts per billion, ppb)
5. mg/L = milligrams per liter (equivalent to parts per million, ppm)
6. NA = Not Analyzed
7. Q = Results are qualified due to the uncertainty of the parameter concentration between the Limit of Detection and Limit of Quantitation.
8. Exceedances: **bold** = Concentration exceeds NR 140 ES
bold, italics = Concentration exceeds NR 140 PAL

Table 3A
Groundwater Quality Data (Original 225 W. Capitol Drive Parcel)
Capitol Crossing Redevelopment Project, Milwaukee, Wisconsin
Sigma Project No. 9841

Well ID:		SMW-4												SMW-5												NR 140	NR 140
Analytes	Date	10/15/03	04/09/04	07/15/04	11/22/04	03/18/05	09/23/05	03/17/06	09/27/06	05/15/07	10/19/07	05/22/08	11/14/08	10/15/03	04/09/04	07/15/04	11/22/04	03/18/05	09/23/05	03/17/06	09/27/06	05/15/07	10/19/07	05/22/08	11/14/08	**ES**	**PAL**
Dissolved RCRA Metals																											
Arsenic	µg/L	<5.0	NA	<1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	NA	<1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	10	1
Cadmium	µg/L	<0.50	NA	<0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.50	NA	<0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	0.5
Mercury	µg/L	<0.20	NA	<0.028	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.20	NA	<0.028	NA	NA	NA	NA	NA	NA	NA	NA	NA	2	0.2
Barium	µg/L	<400	NA	130	NA	NA	NA	NA	NA	NA	NA	NA	NA	<400	NA	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,000	400
Chromium	µg/L	<10	NA	<0.52	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10	NA	<0.52	NA	NA	NA	NA	NA	NA	NA	NA	NA	100	10
Silver	µg/L	<10	NA	<0.57	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10	NA	<0.57	NA	NA	NA	NA	NA	NA	NA	NA	NA	50	10
Lead	µg/L	<1.50	NA	<1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.50	NA	<1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	15	1.5
Selenium	µg/L	<10.0	NA	<2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10.0	NA	<2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	50	10
PVOCs/Detected VOCs																											
Benzene	µg/L	<0.50	<0.41	<0.41	<0.41	NA	<0.26	NA	<0.47	NA	<0.47	NA	<0.24	<0.50	<0.41	<0.41	<0.41	NA	<0.26	NA	<0.47	NA	<0.47	NA	<0.24	5	0.5
Carbon tetrachloride	µg/L	<0.50	<0.49	<0.49	<0.49	NA	<0.25	NA	<0.52	NA	<0.46	NA	<0.3	<0.50	<0.49	<0.49	<0.49	NA	<0.25	NA	<0.52	NA	<0.46	NA	<0.3	5	0.5
Chloroform	µg/L	<0.14	<0.37	<0.37	<0.37	NA	<0.78	NA	<0.61	NA	<0.48	NA	<0.47	<0.14	<0.37	<0.37	<0.37	NA	<0.78	NA	<0.61	NA	<0.48	NA	<0.47	6	0.6
Ethylbenzene	µg/L	<0.50	<0.54	<0.54	<0.54	NA	<0.3	NA	<0.38	NA	<0.38	NA	<0.35	<0.50	<0.54	<0.54	<0.54	NA	<0.3	NA	<0.38	NA	<0.38	NA	<0.35	700	140
Methylene Chloride	µg/L	<0.53	<0.43	***0.78 Q***	<0.43	NA	<0.55	NA	<0.69	NA	<0.69	NA	<0.99	<0.53	<0.43	<0.43	<0.43	NA	<0.55	NA	<0.69	NA	<0.69	NA	<0.99	5	0.5
Methyl-tert-butyl-ether	µg/L	<0.50	<0.61	<0.61	<0.61	NA	<0.36	NA	<0.52	NA	<0.52	NA	<0.7	<0.50	<0.61	<0.61	<0.61	NA	<0.36	NA	<0.52	NA	<0.52	NA	<0.7	60	12
Tetrachloroethene	µg/L	<0.50	<0.45	<0.45	<0.45	NA	<0.45	NA	<0.52	NA	<0.52	NA	<0.5	<0.50	<0.45	<0.45	<0.45	NA	<0.45	NA	<0.52	NA	<0.52	NA	<0.5	5	0.5
Toluene	µg/L	<0.50	<0.67	<0.67	<0.67	NA	<0.52	NA	<0.59	NA	<0.46	NA	<0.39	<0.50	<0.67	<0.67	<0.67	NA	<0.52	NA	<0.59	NA	0.50 Q	NA	<0.39	1,000	200
1,2,4-Trimethylbenzene	µg/L	<1.0	<0.97	<0.97	<0.97	NA	<0.32	NA	<0.39	NA	<1.2	NA	<0.51	<1.0	<0.97	<0.97	<0.97	NA	<0.32	NA	<0.39	NA	<1.2	NA	<0.51	NS	NS
1,3,5-Trimethylbenzene	µg/L	<1.0	<0.83	<0.83	<0.83	NA	<0.83	NA	<1.2	NA	<0.37	NA	<0.23	<1.0	<0.83	<0.83	<0.83	NA	<0.83	NA	<1.2	NA	<0.37	NA	<0.23	NS	NS
Total Trimethylbenzene	µg/L	<2.0	<1.80	<1.80	<1.80	NA	<1.15	NA	<1.59	NA	<1.57	NA	<0.74	<2.0	<1.80	<1.80	<1.80	NA	<1.15	NA	<1.59	NA	<1.57	NA	<0.74	480	96
Xylenes, Total	µg/L	<0.50	<2.63	<2.63	<2.63	NA	<1.17	NA	<1.42	NA	<0.99	NA	<1.67	<0.50	<2.63	<2.63	<2.63	NA	<1.17	NA	<1.42	NA	<0.99	NA	<1.67	10,000	1,000
PAHs																											
Acenaphthene	µg/L	<5.00	<0.017	<0.017	<0.020	NA	<0.016	NA	<0.016	<0.015	<0.015	NA	<0.013	<5.00	NA	<0.017	<0.020	NA	<0.016	NA	<0.016	NA	<0.015	NA	<0.013	NS	NS
Acenaphthylene	µg/L	<5.00	<0.018	<0.018	<0.020	NA	<0.012	NA	<0.012	<0.016	<0.016	NA	<0.015	<5.00	NA	<0.018	<0.020	NA	<0.012	NA	<0.012	NA	<0.016	NA	<0.015	NS	NS
Anthracene	µg/L	<5.00	0.027	<0.019	0.034	NA	<0.013	NA	<0.013	<0.013	<0.013	NA	<0.014	<5.00	NA	<0.019	<0.018	NA	<0.013	NA	<0.013	NA	<0.013	NA	<0.014	3000	600
Benz(a)anthracene	µg/L	<0.100	0.023	<0.011	<0.020	NA	<0.012	NA	0.037 Q	<0.015	<0.015	NA	<0.017	<0.100	NA	<0.011	<0.020	NA	<0.012	NA	0.013 Q	NA	0.026 Q	NA	<0.017	NS	NS
Benzo(a)pyrene	µg/L	***0.0231***	***0.02***	<0.013	<0.018	NA	<0.008	NA	***0.035***	<0.015	<0.015	NA	<0.016	<0.0200	NA	<0.013	<0.018	NA	<0.008	NA	<0.008	NA	0.018 Q	NA	<0.016	0.2	0.02
Benzo(b)fluoranthene	µg/L	***0.0261***	***0.024***	<0.012	<0.018	NA	<0.009	NA	***0.060***	<0.014	<0.014	NA	<0.01	<5.00	NA	<0.012	<0.018	NA	<0.009	NA	<0.009	NA	***0.029 Q***	NA	<0.01	0.2	0.02
Benzo(ghi)perylene	µg/L	<0.100	0.061	<0.015	<0.021	NA	<0.01	NA	0.026 Q	<0.015	<0.015	NA	<0.02	<0.100	NA	<0.015	<0.021	NA	<0.01	NA	<0.01	NA	<0.015	NA	<0.02	NS	NS
Benzo(k)fluoranthene	µg/L	<0.100	<0.018	<0.018	<0.020	NA	<0.009	NA	0.020 Q	<0.023	<0.023	NA	<0.023	<0.100	NA	<0.018	<0.020	NA	<0.009	NA	<0.009	NA	<0.023	NA	<0.023	NS	NS
Chrysene	µg/L	***0.033***	***0.092***	<0.013	<0.017	NA	<0.011	NA	***0.042***	<0.016	<0.016	NA	<0.02	<0.0200	NA	<0.013	<0.017	NA	<0.011	NA	0.012 Q	NA	***0.020 Q***	NA	<0.02	0.2	0.02
Dibenz(a,h)anthracene	µg/L	<0.100	<0.015	<0.015	<0.022	NA	<0.009	NA	<0.009	<0.015	<0.015	NA	<0.012	<0.100	NA	<0.015	<0.022	NA	<0.009	NA	<0.009	NA	<0.015	NA	<0.012	NS	NS
Fluoranthene	µg/L	<5.00	0.037	<0.012	<0.017	NA	<0.011	NA	0.071	<0.015	<0.015	NA	<0.016	<5.00	NA	<0.012	<0.017	NA	<0.011	NA	<0.011	NA	0.033 Q	NA	<0.016	400	80
Fluorene	µg/L	<5.00	<0.016	<0.016	<0.022	NA	<0.015	NA	<0.015	<0.019	<0.019	NA	<0.015	<5.00	NA	<0.016	<0.022	NA	<0.015	NA	<0.015	NA	<0.019	NA	<0.015	400	80
Indeno(1,2,3-cd)pyrene	µg/L	<0.200	<0.020	<0.020	<0.017	NA	<0.015	NA	0.020 Q	<0.014	<0.014	NA	<0.013	<0.200	NA	<0.020	<0.017	NA	<0.015	NA	<0.015	NA	<0.014	NA	<0.013	NS	NS
1-Methylnaphthalene	µg/L	<5.00	0.035	<0.017	<0.020	NA	<0.018	NA	<0.018	<0.018	<0.018	NA	<0.018	<5.00	NA	<0.017	0.028	NA	<0.018	NA	<0.018	NA	<0.018	NA	<0.018	NS	NS
2-Methylnaphthalene	µg/L	<5.00	0.048	<0.016	<0.023	NA	<0.021	NA	<0.021	<0.021	<0.021	NA	<0.016	<5.00	NA	<0.016	0.034	NA	<0.021	NA	<0.021	NA	<0.021	NA	<0.016	NS	NS
Naphthalene	µg/L	<5.00	<0.023	<0.023	<0.023	NA	<0.028	NA	<0.028	<0.018	<0.018	NA	<0.015	<5.00	NA	<0.023	<0.023	NA	<0.028	NA	<0.028	NA	<0.018	NA	<0.015	100	10
Phenanthrene	µg/L	<5.00	0.13	<0.015	<0.021	NA	<0.011	NA	0.031 Q	<0.017	<0.017	NA	<0.017	<5.00	NA	<0.015	<0.021	NA	<0.011	NA	0.021 Q	NA	0.017 Q	NA	<0.017	NS	NS
Pyrene	µg/L	<5.00	0.043	<0.016	<0.017	NA	<0.01	NA	0.055	<0.015	<0.015	NA	<0.016	<5.00	NA	<0.016	<0.017	NA	<0.01	NA	0.013 Q	NA	0.031 Q	NA	<0.016	250	50
Dissolved Gasses																											
Ethane	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS
Ethene	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS
Methane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS
Biofeasibility Data																											
pH	IU	7	7	7.5	7	NA	7	NA	9.3	7.5	7.5	7	6.3	7	7	7.1	7	NA	7	NA	8.8	7.6	7.5	7	7.2	NS	NS
Temperature	°C	10.4	7	19	13.1	NA	NA	NA	15.5	9.0	16.1	10.0	14.5	10.2	7.4	18	14	NA	NA	NA	16.9	9.1	16.9	9.5	15.5	NS	NS
Ferrous Iron	mg/l	0	0	0	0	NA	0.0	NA	1.0	0.5	0.2	0.0	0.0	0	0	0	0	NA	0.0	NA	0.0	0.0	0.2	2.0	0.0	NS	NS
Dissolved Oxygen	mg/l	0.22	0.6	2.09	1.21	NA	0.28	NA	0.32	3.0	0.20	0.41	1.07	0.25	0.96	1.1	1.4	NA	0.30	NA	0.48	2.5	0.19	0.34	1.67	NS	NS
Redox Potential	mV	48.7	104.1	54.7	NA	NA	NA	NA	39	-123	183	29	-196.4	39.2	144.0	82.6	NA	NA	NA	NA	57	-60	184	-36	-200.9	NS	NS

Notes:
1. NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard.
2. NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit.
3. NS = no standard
4. µg/L = micrograms per liter (equivalent to parts per billion, ppb)
5. mg/L = milligrams per liter (equivalent to parts per million, ppm)
6. NA = Not Analyzed
7. Q = Results are qualified due to the uncertainty of the parameter concentration between the Limit of Detection and Limit of Quantitation.
8. Exceedances: **bold** = Concentration exceeds NR 140 ES
bold, italics = Concentration exceeds NR 140 PAL

Table 3A
Groundwater Quality Data (Original 225 W. Capitol Drive Parcel)
Capitol Crossing Redevelopment Project, Milwaukee, Wisconsin
Sigma Project No. 9841

Well ID:		MW-1														MW-2													NR 140	NR 140
Analytes	Date	05/09/02	11/10/03	04/09/04	05/28/04	07/15/04	11/22/04	03/18/05	09/23/05	03/17/06	09/27/06	05/15/07	10/19/07	05/22/08	11/14/08	04/21/02	11/10/03	04/09/04	07/15/04	11/22/04	03/18/05	09/23/05	03/17/06	09/27/06	05/15/07	10/19/07	05/22/08	11/14/08	ES	PAL
Dissolved RCRA Metals		Triad Data														Triad Data														
Arsenic	µg/L	NA	<5.0	NA	NA	<3.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	NA	<1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	10	1
Cadmium	µg/L	NA	<0.50	NA	NA	<0.30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.50	NA	<0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	0.5
Mercury	µg/L	NA	<0.20	NA	NA	<0.028	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.20	NA	<0.028	NA	NA	NA	NA	NA	NA	NA	NA	NA	2	0.2
Barium	µg/L	NA	<400	NA	NA	130	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<400	NA	150	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,000	400
Chromium	µg/L	NA	<10	NA	NA	1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10	NA	<0.52	NA	NA	NA	NA	NA	NA	NA	NA	NA	100	10
Silver	µg/L	NA	<10	NA	NA	<0.76	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10	NA	<0.57	NA	NA	NA	NA	NA	NA	NA	NA	NA	50	10
Lead	µg/L	NA	<1.50	NA	NA	<1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.50	NA	<1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	15	1.5
Selenium	µg/L	NA	<10.0	NA	NA	<4.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10.0	NA	<2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	50	10
PVOCs/Detected VOCs																														
Benzene	µg/L	<0.27	<0.50	<0.41	NA	<0.41	<0.41	NA	<0.26	NA	<0.47	NA	<0.47	NA	<0.24	<0.27	<0.50	<0.41	<0.41	<0.41	<0.41	<0.26	<0.26	<0.47	<0.47	<0.47	<0.24	<0.24	5	0.5
Carbon tetrachloride	µg/L	<0.27	<0.50	<0.49	NA	<0.49	<0.49	NA	<0.25	NA	<0.52	NA	<0.46	NA	<0.3	<0.27	***1.79***	**9.8**	**6.9**	***4.4***	***2.7***	***4.3***	**6.7**	***4.8***	**5.0**	**9.4**	**6.3**	***3.3***	5	0.5
Chloroform	µg/L	<0.24	<0.14	<0.37	NA	<0.37	<0.37	NA	<0.78	NA	<0.61	NA	<0.48	NA	<0.47	***0.75***	***1.04***	***1.4***	***1.3***	***1.2***	***0.80 Q***	***1.31 Q***	<0.78	***1.33 Q***	***0.71 Q***	***1.92***	***1.33 Q***	***2.02***	6	0.6
Ethylbenzene	µg/L	<0.25	<0.50	<0.54	NA	<0.54	<0.54	NA	<0.3	NA	<0.38	NA	<0.38	NA	<0.35	1.1	<0.50	<0.54	<0.54	<0.54	<0.54	<0.3	<0.3	<0.38	<0.38	<0.38	<0.35	<0.35	700	140
Methylene Chloride	µg/L	<0.30	<0.53	<0.43	NA	<0.43	<0.43	NA	<0.55	NA	<0.69	NA	<0.69	NA	<0.99	<0.30	<0.53	<0.43	***0.84 Q***	<0.43	<0.43	<0.55	<0.55	<0.69	<0.69	<0.69	<0.99	<0.99	5	0.5
Methyl-tert-butyl-ether	µg/L	<0.39	<0.50	<0.61	NA	<0.61	<0.61	NA	<0.36	NA	<0.52	NA	<0.52	NA	<0.7	<0.39	<0.50	<0.61	<0.61	<0.61	<0.61	<0.36	<0.36	<0.52	<0.52	<0.52	<0.7	<0.7	60	12
Tetrachloroethene	µg/L	<0.31	<0.50	<0.45	NA	<0.45	<0.45	NA	<0.45	NA	<0.52	NA	<0.52	NA	<0.5	**5.3**	***3.19***	**14**	**19**	**9.3**	***4.6***	**14**	**7.8**	**14.1**	**17.5**	**28.2**	**16.8**	**15.6**	5	0.5
Toluene	µg/L	<0.29	<0.50	<0.67	NA	<0.67	<0.67	NA	<0.52	NA	<0.59	NA	<0.46	NA	<0.39	<0.29	<0.50	<0.67	<0.67	<0.67	<0.67	<0.52	<0.52	<0.59	<0.46	<0.46	<0.39	<0.39	1,000	200
1,2,4-Trimethylbenzene	µg/L	<0.30	<1.0	<0.97	NA	<0.97	<0.97	NA	<0.32	NA	<0.39	NA	<1.2	NA	<0.51	<0.30	<1.0	<0.97	<0.97	<0.97	<0.97	<0.32	<0.32	<0.39	<1.2	<1.2	<0.51	<0.51	NS	NS
1,3,5-Trimethylbenzene	µg/L	<0.34	<1.0	<0.83	NA	<0.83	<0.83	NA	<0.83	NA	<1.2	NA	<0.37	NA	<0.23	<0.34	<1.0	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<1.2	<0.37	<0.37	<0.23	<0.23	NS	NS
Total Trimethylbenzene	µg/L	<0.64	<2.0	<1.80	NA	<1.80	<1.80	NA	<1.15	NA	<1.59	NA	<1.57	NA	<0.74	<0.64	<2.0	<1.80	<1.80	<1.80	<1.80	<1.15	<1.15	<1.59	<1.57	<1.57	<0.74	<0.74	480	96
Xylenes, Total	µg/L	<0.25	<0.50	<2.63	NA	<2.63	<2.63	NA	<1.17	NA	<1.42	NA	<0.99	NA	<1.67	6.1	<0.50	<2.63	<2.63	<2.63	<2.63	<1.17	<1.17	<1.42	<0.99	<0.99	<1.67	<1.67	10,000	1,000
PAHs																														
Acenaphthene	µg/L	NA	<5.00	0.024	<0.018	<0.017	<0.020	<0.043	<0.016	<0.016	<0.016	<0.015	<0.015	<0.013	<0.013	NA	<5.00	NA	<0.017	<0.024	NA	<0.016	NA	<0.016	NA	<0.015	NA	<0.013	NS	NS
Acenaphthylene	µg/L	NA	<5.00	<0.018	<0.019	<0.018	<0.020	<0.043	<0.012	<0.012	<0.012	<0.016	<0.016	<0.015	<0.015	NA	<5.00	NA	<0.018	<0.024	NA	<0.012	NA	<0.012	NA	<0.016	NA	<0.015	NS	NS
Anthracene	µg/L	NA	<5.00	0.17	<0.020	<0.019	0.04	0.044 Q	<0.013	0.079	0.019 Q	<0.013	<0.013	<0.014	<0.014	NA	<5.00	NA	<0.019	<0.021	NA	<0.013	NA	<0.013	NA	<0.013	NA	<0.014	3000	600
Benz(a)anthracene	µg/L	NA	<0.100	1.3	0.029	<0.011	0.2	0.33	<0.012	0.075	0.12	0.017 Q	0.090	0.047 Q	0.043 Q	NA	<0.100	NA	<0.011	<0.024	NA	<0.012	NA	<0.012	NA	<0.015	NA	<0.017	NS	NS
Benzo(a)pyrene	µg/L	NA	<0.0200	**1.4**	0.032	<0.013	***0.16***	**0.32**	<0.008	***0.043***	***0.13***	<0.015	***0.071***	***0.035 Q***	***0.031 Q***	NA	<0.0200	NA	<0.013	<0.022	NA	<0.008	NA	<0.008	NA	<0.015	NA	<0.016	0.2	0.02
Benzo(b)fluoranthene	µg/L	NA	<5.00	**1.2**	0.028	<0.012	***0.13***	**0.29**	<0.009	**0.20**	***0.18***	<0.014	***0.102***	***0.054***	***0.044***	NA	<5.00	NA	<0.012	<0.022	NA	<0.009	NA	<0.009	NA	<0.014	NA	<0.01	0.2	0.02
Benzo(ghi)perylene	µg/L	NA	<0.100	0.63	0.016	<0.015	0.074	0.17	<0.01	0.075	0.069	<0.015	0.031 Q	0.021 Q	<0.02	NA	<0.100	NA	<0.015	<0.025	NA	<0.01	NA	<0.01	NA	<0.015	NA	<0.02	NS	NS
Benzo(k)fluoranthene	µg/L	NA	<0.100	0.88	0.024	<0.018	0.12	0.30	<0.009	0.13	0.078	<0.023	0.033 Q	<0.023	<0.023	NA	<0.100	NA	<0.018	<0.024	NA	<0.009	NA	<0.009	NA	<0.023	NA	<0.023	NS	NS
Chrysene	µg/L	NA	<0.0200	**0.92**	0.025	<0.013	***0.15***	**0.30**	<0.011	***0.15***	***0.11***	<0.016	***0.066***	***0.046 Q***	***0.028 Q***	NA	<0.0200	NA	<0.013	<0.020	NA	<0.011	NA	<0.011	NA	<0.016	NA	<0.02	0.2	0.02
Dibenz(a,h)anthracene	µg/L	NA	<0.100	0.27	<0.016	<0.015	0.033	0.066 Q	<0.009	0.014 Q	0.015 Q	<0.015	<0.015	<0.012	<0.012	NA	<0.100	NA	<0.015	<0.027	NA	<0.009	NA	<0.009	NA	<0.015	NA	<0.012	NS	NS
Fluoranthene	µg/L	NA	<5.00	1.4	0.036	<0.012	0.3	0.47	<0.011	0.25	0.18	<0.015	0.124	0.082	0.048 Q	NA	<5.00	NA	<0.012	<0.020	NA	<0.011	NA	<0.011	NA	<0.015	NA	<0.016	400	80
Fluorene	µg/L	NA	<5.00	0.026	<0.017	<0.016	<0.022	<0.048	<0.015	<0.015	<0.015	<0.019	<0.019	<0.015	<0.015	NA	<5.00	NA	<0.016	<0.027	NA	<0.015	NA	<0.015	NA	<0.019	NA	<0.015	400	80
Indeno(1,2,3-cd)pyrene	µg/L	NA	<0.200	0.6	<0.021	<0.020	0.075	0.17	<0.015	<0.015	0.071	<0.014	0.036 Q	0.020 Q	0.019 Q	NA	<0.200	NA	<0.020	<0.021	NA	<0.015	NA	<0.015	NA	<0.014	NA	<0.013	NS	NS
1-Methylnaphthalene	µg/L	NA	<5.00	<0.017	<0.018	<0.017	0.03	<0.044	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	NA	<5.00	NA	<0.017	0.034	NA	<0.018	NA	<0.018	NA	<0.018	NA	<0.018	NS	NS
2-Methylnaphthalene	µg/L	NA	<5.00	<0.016	<0.017	<0.016	0.041	<0.050	<0.021	<0.021	<0.021	<0.021	<0.021	0.023 Q	<0.016	NA	<5.00	NA	<0.016	0.041	NA	<0.021	NA	<0.021	NA	<0.021	NA	<0.016	NS	NS
Naphthalene	µg/L	NA	<5.00	<0.023	<0.024	<0.023	0.024	<0.049	<0.028	<0.028	<0.028	<0.018	<0.018	0.023 Q	<0.015	NA	<5.00	NA	<0.023	<0.027	NA	<0.028	NA	<0.028	NA	0.018 Q	NA	<0.015	100	10
Phenanthrene	µg/L	NA	<5.00	0.41	<0.016	<0.015	0.12	0.14 Q	<0.011	0.075	0.055	<0.017	0.040 Q	0.045 Q	<0.017	NA	<5.00	NA	<0.015	<0.025	NA	<0.011	NA	0.011 Q	NA	<0.017	NA	<0.017	NS	NS
Pyrene	µg/L	NA	<5.00	1.3	0.033	<0.016	0.23	0.40	<0.01	0.20	0.16	<0.015	0.107	0.064	0.042 Q	NA	<5.00	NA	<0.016	<0.020	NA	<0.01	NA	0.015 Q	NA	<0.015	NA	<0.016	250	50
Dissolved Gasses																														
Ethane	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS
Ethene	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS
Methane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS
Biofeasibility Data																														
pH	IU	NA	NA	7	NA	7.8	7	8.2	7	8.9	7.9	7.5	7.5	7	7.2	NA	NA	7	7	7	8.3	7	8.9	8.8	7.6	7.0	7	7.1	NS	NS
Temperature	°C	NA	NA	7.8	NA	19	14	3.9	NA	7.3	16.6	9.2	15.8	10.0	15.5	NA	NA	7.9	18	14.1	5.4	NA	8.6	15.3	8.8	15.6	10.4	15.7	NS	NS
Ferrous Iron	mg/l	NA	NA	0	NA	0	0	0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	NA	NA	0	0	0	0	0.0	0.2	0.4	0.0	0.2	0.0	0.0	NS	NS
Dissolved Oxygen	mg/l	NA	NA	5.13	NA	1.77	1.9	4.41	0.40	3.20	0.39	2.6	0.28	0.64	1.31	NA	NA	4.35	2.03	1.89	4.41	0.34	6.50	0.47	3.5	0.24	0.57	1.74	NS	NS
Redox Potential	mV	NA	NA	148.2	NA	123.3	NA	102	NA	190	60	-64	185	59	-109.2	NA	NA	132.9	45.3	NA	97	NA	201	34	-73	172	74	-164.2	NS	NS

Notes:
1. NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard.
2. NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit.
3. NS = no standard
4. µg/L = micrograms per liter (equivalent to parts per billion, ppb)
5. mg/L = milligrams per liter (equivalent to parts per million, ppm)
6. NA = Not Analyzed
7. Q = Results are qualified due to the uncertainty of the parameter concentration between the Limit of Detection and Limit of Quantitation.
8. Exceedances: **bold** = Concentration exceeds NR 140 ES
bold, italics = Concentration exceeds NR 140 PAL

Table 3B
Groundwater Quality Data (Former 3901 N. 2nd Street - North Half Parcel)
Capitol Crossing Redevelopment Project, Milwaukee, Wisconsin
Sigma Project No. 9841

Well ID:		MW-1									MW-1R				PZ-2											NR 140	NR 140
Analytes	Date	04/17/02	09/05/03	04/08/04	08/09/04	11/19/04	03/21/05	09/22/05	03/17/06	09/27/06	05/15/07	10/19/07	05/22/08	11/14/08	04/08/04	08/09/04	11/19/04	03/21/05	09/22/05	03/17/06	09/27/06	05/15/07	10/19/07	05/22/08	11/14/08	**ES**	**PAL**
Dissolved RCRA Metals		Triad Data																									
Arsenic	µg/L	NA	<5.0	NA	<1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10	1
Barium	µg/L	NA	<400	NA	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,000	400
Cadmium	µg/L	NA	<0.50	NA	<0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	0.5
Chromium	µg/L	NA	<100	NA	<0.52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100	10
Lead	µg/L	NA	<1.50	NA	<1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15	1.5
Mercury	µg/L	NA	<0.20	NA	<0.028	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2	0.2
Selenium	µg/L	NA	<10.0	NA	2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50	10
Silver	µg/L	NA	13.7*	NA	<0.57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50	10
PVOCs/Detected VOCs																											
Benzene	µg/L	<0.27	<0.50	<0.82	<0.82	<0.41	<0.41	<0.26	<0.26	<4.7	<0.47	<0.47	<0.24	<0.24	<0.41	<0.41	NA	NA	<0.26	<0.26	<0.47	<0.47	<0.47	<0.24	<0.24	5	0.5
Chloromethane	µg/L	<0.49	<0.60	<0.24	<0.48	<0.24	<0.24	<1.1	<1.1	<10	<1	<1	<0.5	<0.5	<0.24	<0.24	NA	NA	<1.1	<1.1	<1	<1	<1	<0.5	<0.5	3	0.3
1,1-Dichloroethane	µg/L	<0.32	<0.50	<1.5	<1.5	<0.75	<0.75	<0.91	<0.91	<5.6	<0.56	<0.56	<0.59	<0.59	<0.75	<0.75	NA	NA	<0.91	<0.91	<0.56	<0.56	<0.56	<0.59	<0.59	850	85
1,1-Dichloroethene	µg/L	<0.34	<0.50	<1.1	<1.1	<0.57	<0.57	<0.2	<0.2	<3	<0.64	<0.64	<0.5	<0.5	<0.57	<0.57	NA	NA	<0.2	<0.2	<0.3	<0.64	<0.64	<0.5	<0.5	7	0.7
cis-1,2-Dichloroethene	µg/L	<0.27	<0.50	<1.7	<1.7	0.89	<0.83	3.1	<0.27	<6.8	<0.68	0.68 Q	0.76 Q	0.71 Q	<0.83	<0.83	NA	NA	<0.27	<0.27	<0.68	<0.68	<0.68	<0.44	<0.44	70	7
trans-1,2-Dichloroethene	µg/L	<0.25	<0.50	<1.8	<1.8	<0.89	<0.89	<0.4	<0.4	<9.5	<0.95	<0.95	<0.61	<0.61	<0.89	<0.89	NA	NA	<0.4	<0.4	<0.95	<0.95	<0.95	<0.61	<0.61	100	20
Dichlorodifluoromethane	µg/L	<0.25	<0.50	<2.0	<2.0	<0.99	<0.99	<0.2	<0.2	<5	<0.46	<0.46	<0.76	<0.76	<0.99	<0.99	NA	NA	<0.2	<0.2	<0.5	<0.46	<0.46	<0.76	<0.76	1,000	200
Ethylbenzene	µg/L	<0.25	<0.50	<1.1	<1.1	<0.54	<0.54	<0.3	<0.3	<3.8	<0.38	<0.38	<0.35	<0.35	<0.54	<0.54	NA	NA	<0.3	<0.3	<0.38	<0.38	<0.38	<0.35	<0.35	700	140
Fluorotrichloromethane	µg/L	<0.24	<0.50	<1.6	<1.6	<0.79	<0.79	<0.48	<0.48	<6.1	<0.61	<0.61	<0.81	<0.81	<0.79	<0.79	NA	NA	<0.48	<0.48	<0.61	<0.61	<0.61	<0.81	<0.81	3490	698
Methyl-tert-butyl-ether	µg/L	<0.39	<0.50	<1.2	<1.2	<0.61	<0.61	<0.36	<0.36	<5.2	<0.52	<0.52	<0.7	<0.7	<0.61	<0.61	NA	NA	<0.36	<0.36	<0.52	<0.52	<0.52	<0.7	<0.7	60	12
Tetrachloroethene	µg/L	**60**	**191**	**190**	**200**	**170**	**150**	**166**	**245**	**109**	***0.68 Q***	***2.18***	***0.79 Q***	<0.5	<0.45	<0.45	NA	NA	***1.4***	<0.45	***0.65 Q***	***0.96 Q***	<0.52	<0.5	<0.5	5	0.5
Toluene	µg/L	<0.29	<0.50	<1.3	<1.3	<0.67	<0.67	<0.52	<0.52	<5.9	<0.46	<0.46	<0.39	<0.39	<0.67	<0.67	NA	NA	<0.52	<0.52	<0.59	<0.46	<0.46	<0.39	<0.39	1,000	200
Trichloroethene	µg/L	<0.34	***4.08***	***4.8***	**5.2**	**6.3**	**7.7**	**7.7**	***4.1***	**9.8 Q**	<0.44	<0.44	***0.57 Q***	<0.47	<0.48	<0.48	NA	NA	<0.37	<0.37	<0.44	<0.44	<0.44	<0.47	<0.47	5	0.5
1,1,1-Trichloroethane	µg/L	<0.31	<0.50	<1.8	<1.8	<0.90	<0.90	<0.42	<0.42	<5	<0.5	<0.5	<0.28	<0.28	<0.90	<0.90	NA	NA	<0.42	<0.42	<0.5	<0.5	<0.5	<0.28	<0.28	200	40
1,2,4-Trimethylbenzene	µg/L	<0.30	<1.0	<1.9	<1.9	<0.97	<0.97	<0.32	<0.32	<3.9	<1.2	<1.2	<0.51	<0.51	<0.97	<0.97	NA	NA	<0.32	<0.32	<0.39	<1.2	<1.2	<0.51	<0.51	NS	NS
1,3,5-Trimethylbenzene	µg/L	<0.34	<1.0	<1.7	<1.7	<0.83	<0.83	<0.83	<0.83	<12	<0.37	<0.37	<0.23	<0.23	<0.83	<0.83	NA	NA	<0.83	<0.83	<1.2	<0.37	<0.37	<0.23	<0.23	NS	NS
Total Trimethylbenzene	µg/L	<0.64	<2.0	<3.6	<3.6	<1.80	<1.80	<1.15	<1.15	<15.9	<1.57	<1.57	<0.74	<0.74	<1.80	<1.80	NA	NA	<1.15	<1.15	<1.59	<1.57	<1.59	<0.74	<0.74	480	96
Xylenes, Total	µg/L	<0.25	<0.50	<1.7	<1.7	<2.63	<2.63	<1.17	<1.17	<14.2	<0.99	<0.99	<1.67	<1.67	<2.63	<2.63	NA	NA	<1.17	<1.17	<1.42	<0.99	<0.99	<1.67	<1.67	10,000	1,000
Vinyl Chloride	µg/L	<0.20	<0.17	<0.36	<0.36	<0.18	<0.18	<0.16	<0.16	<1.7	<0.2	<0.2	<0.2	<0.2	<0.18	<0.18	NA	NA	<0.16	<0.16	<0.17	<0.2	<0.2	<0.2	<0.2	0.2	0.02
PAHs																											
Acenaphthene	µg/L	NA	NA	NA	<0.019	<0.019	<0.020	<0.016	<0.016	0.028 Q	<0.015	<0.015	NA	<0.013	NA	NA	NA	NA	<0.016	NA	<0.016	NA	<0.015	<0.013	0.021 Q	NS	NS
Acenaphthylene	µg/L	NA	NA	NA	<0.019	<0.019	<0.020	<0.012	<0.012	<0.012	<0.016	<0.016	NA	<0.015	NA	NA	NA	NA	<0.012	NA	<0.012	NA	<0.016	<0.015	0.057	NS	NS
Anthracene	µg/L	NA	NA	NA	<0.018	0.023	0.033 Q	<0.013	<0.013	0.11	<0.013	0.021 Q	NA	<0.014	NA	NA	NA	NA	<0.013	NA	<0.013	NA	0.024 Q	0.054	<0.014	3000	600
Benz(a)anthracene	µg/L	NA	NA	NA	0.048	0.12	0.17	<0.012	<0.012	0.44	<0.015	0.017 Q	NA	0.030 Q	NA	NA	NA	NA	<0.012	NA	<0.012	NA	0.029 Q	0.073	<0.017	NS	NS
Benzo(a)pyrene	µg/L	NA	NA	NA	***0.035***	***0.077***	***0.13***	<0.008	<0.008	**0.43**	<0.015	<0.015	NA	***0.024 Q***	NA	NA	NA	NA	<0.008	NA	<0.008	NA	***0.023 Q***	**0.212**	<0.016	0.2	0.02
Benzo(b)fluoranthene	µg/L	NA	NA	NA	***0.025***	***0.05***	***0.10***	<0.009	<0.009	**0.49**	<0.014	<0.014	NA	***0.038 Q***	NA	NA	NA	NA	<0.009	NA	<0.009	NA	***0.047***	**0.49**	<0.01	0.2	0.02
Benzo(ghi)perylene	µg/L	NA	NA	NA	0.021	0.042	0.070	<0.01	<0.01	0.24	<0.015	<0.015	NA	0.022 Q	NA	NA	NA	NA	<0.01	NA	0.011 Q	NA	0.018 Q	0.283	<0.02	NS	NS
Benzo(k)fluoranthene	µg/L	NA	NA	NA	0.026	0.05	0.096	<0.009	<0.009	0.17	<0.023	<0.023	NA	<0.023	NA	NA	NA	NA	<0.009	NA	<0.009	NA	<0.023	0.13	<0.023	NS	NS
Chrysene	µg/L	NA	NA	NA	***0.039***	***0.076***	***0.14***	<0.011	<0.011	**0.42**	<0.016	<0.016	NA	***0.024 Q***	NA	NA	NA	NA	<0.011	NA	<0.011	NA	***0.035 Q***	**0.223**	<0.02	0.2	0.02
Dibenz(a,h)anthracene	µg/L	NA	NA	NA	<0.022	<0.0027	<0.022	<0.009	<0.009	0.052	<0.015	<0.015	NA	<0.012	NA	NA	NA	NA	<0.009	NA	<0.009	NA	<0.015	0.067	<0.012	NS	NS
Fluoranthene	µg/L	NA	NA	NA	0.062	0.16	0.24	<0.011	<0.011	0.80	<0.015	0.029 Q	NA	0.039 Q	NA	NA	NA	NA	<0.011	NA	<0.011	NA	0.061	0.268	<0.016	400	80
Fluorene	µg/L	NA	NA	NA	<0.022	<0.027	<0.022	<0.015	<0.015	0.022 Q	<0.019	<0.019	NA	<0.015	NA	NA	NA	NA	<0.015	NA	<0.015	NA	<0.019	<0.015	<0.015	400	80
Indeno(1,2,3-cd)pyrene	µg/L	NA	NA	NA	<0.017	0.037	0.059	<0.015	<0.015	0.19	<0.014	<0.014	NA	0.020 Q	NA	NA	NA	NA	<0.015	NA	<0.015	NA	0.016 Q	0.223	<0.013	NS	NS
1-Methylnaphthalene	µg/L	NA	NA	NA	<0.020	<0.025	<0.020	<0.018	<0.018	<0.018	<0.018	<0.018	NA	<0.018	NA	NA	NA	NA	<0.018	NA	<0.018	NA	<0.018	0.039 Q	<0.018	NS	NS
2-Methylnaphthalene	µg/L	NA	NA	NA	<0.023	<0.028	<0.023	<0.021	<0.021	<0.021	<0.021	<0.021	NA	<0.016	NA	NA	NA	NA	<0.021	NA	<0.021	NA	<0.021	0.026 Q	<0.016	NS	NS
Naphthalene	µg/L	NA	NA	NA	<0.022	<0.028	<0.023	<0.028	<0.028	<0.028	<0.018	<0.018	NA	<0.015	NA	NA	NA	NA	<0.028	NA	<0.028	NA	<0.018	0.033 Q	<0.015	100	10
Phenanthrene	µg/L	NA	NA	NA	0.024	0.051	0.089	<0.011	<0.011	0.30	<0.017	<0.017	NA	0.017 Q	NA	NA	NA	NA	<0.011	NA	<0.011	NA	<0.017	0.117	<0.017	NS	NS
Pyrene	µg/L	NA	NA	NA	0.084	0.20	0.29	<0.01	<0.01	0.88	<0.015	0.045 Q	NA	0.035 Q	NA	NA	NA	NA	<0.01	NA	<0.01	NA	0.107	0.36	<0.016	250	50
Dissolved Gasses																											
Ethane	ng/l	NA	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	380	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS
Ethene	ng/l	NA	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS
Methane	ug/l	NA	NA	0.83	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS
Biofeasibility Data																											
pH	IU	NA	7	7	7	7	NA	7	7	8.8	7.2	7	7	7.0	7	7	NA	NA	7	7	9.0	7.9	7	7	6.5	NS	NS
Temperature	°C	NA	12.7	NA	12.5	14.1	9.1	NA	9.1	14.2	9.8	17.5	9. 9	15.1	NA	11	NA	NA	NA	10.5	11.7	10.5	14.4	10.3	13.3	NS	NS
Ferrous Iron	mg/l	NA	0	0	0	0	0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0	0	NA	NA	0.0	0.0	0.6	0.0	1.8	1.6	0.0	NS	NS
Dissolved Oxygen	mg/l	NA	0.34	0.44	0.24	1.55	1.44	0.18	0.38	0.45	2.5	1.50	0.45	1.73	0.55	0.26	NA	NA	1.0	0.28	0.74	2.3	0.20	0.34	1.95	NS	NS
Redox Potential	mV	NA	131.9	137.3	123.2	NA	104.2	NA	61	-35	-42	128	-7	-146.9	128.5	142.7	NA	NA	NA	67	-6	-45	-40	-24	-147.2	NS	NS

Notes:
1. * Detection in laboratory Method Blank
2. NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard.
3. NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit.
4. NS = no standard
5. µg/L = micrograms per liter (equivalent to parts per billion, ppb)
6. mg/L = milligrams per liter (equivalent to parts per million, ppm)
7. ng/L = nanograms per liter (equivalent to parts per trillion, ppt)
8. °C = degress Celcius
9. mV = millivolts
10. NA = Not Analyzed
11. Q = Results are qualified due to uncertainty of concentration reported between Limit of Detection and Limit of Quantification
12. Exceedances: **bold, box** = Concentration exceeds NR 140 ES
bold, italics = Concentration exceeds NR 140 PAL

Table 3B
Groundwater Quality Data (Former 3901 N. 2nd Street - North Half Parcel)
Capitol Crossing Redevelopment Project, Milwaukee, Wisconsin
Sigma Project No. 9841

Well ID:		MW-2													MW-3													NR 140	NR 140
Analytes	Date	05/09/02	09/05/03	04/08/04	08/09/04	11/19/04	03/21/05	09/22/05	03/17/06	09/27/06	05/15/07	10/19/07	05/22/08	11/14/08	04/21/02	09/05/03	04/08/04	08/09/04	11/19/04	03/21/05	09/22/05	03/17/06	09/27/06	05/15/07	10/19/07	05/22/08	11/14/08	**ES**	**PAL**
Dissolved RCRA Metals		Triad Data													Triad Data														
Arsenic	µg/L	NA	<5.0	NA	<3.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	NA	<3.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	10	1
Barium	µg/L	NA	<400	NA	190	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<400	NA	150	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,000	400
Cadmium	µg/L	NA	<0.50	NA	<0.30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	***1.76***	NA	<0.30	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	0.5
Chromium	µg/L	NA	<100	NA	0.66	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<100	NA	0.94	NA	NA	NA	NA	NA	NA	NA	NA	NA	100	10
Lead	µg/L	NA	<1.50	NA	<1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.50	NA	<1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	15	1.5
Mercury	µg/L	NA	<0.20	NA	<0.028	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.20	NA	<0.028	NA	NA	NA	NA	NA	NA	NA	NA	NA	2	0.2
Selenium	µg/L	NA	<10.0	NA	<4.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10.0	NA	<4.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	50	10
Silver	µg/L	NA	13.6*	NA	<0.76	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.6*	NA	<0.76	NA	NA	NA	NA	NA	NA	NA	NA	NA	50	10
PVOCs/Detected VOCs																													
Benzene	µg/L	<0.27	<0.50	<0.41	<0.41	NA	NA	<0.26	NA	<0.47	NA	<0.47	NA	<0.24	<0.27	<0.50	<0.41	<0.41	NA	NA	<0.26	NA	<0.47	NA	<0.47	NA	<0.24	5	0.5
Chloromethane	µg/L	***2.8***	<0.60	<0.24	<0.24	NA	NA	<1.1	NA	<1	NA	<1	NA	<0.5	<0.49	<0.60	<0.24	<0.24	NA	NA	<1.1	NA	<1	NA	<1	NA	<0.5	3	0.3
1,1-Dichloroethane	µg/L	<0.32	<0.50	<0.75	<0.75	NA	NA	<0.91	NA	<0.56	NA	<0.56	NA	<0.59	<0.32	<0.50	<0.75	<0.75	NA	NA	<0.91	NA	<0.56	NA	<0.56	NA	<0.59	850	85
1,1-Dichloroethene	µg/L	<0.34	<0.50	<0.57	<0.57	NA	NA	<0.2	NA	<0.3	NA	<0.64	NA	<0.5	<0.34	<0.50	<0.57	<0.57	NA	NA	<0.2	NA	<0.3	NA	<0.64	NA	<0.5	7	0.7
cis-1,2-Dichloroethene	µg/L	<0.27	<0.50	<0.83	<0.83	NA	NA	<0.27	NA	<0.68	NA	<0.68	NA	<0.44	<0.27	<0.50	<0.83	<0.83	NA	NA	<0.27	NA	<0.68	NA	<0.68	NA	<0.44	70	7
trans-1,2-Dichloroethene	µg/L	<0.25	<0.50	<0.89	<0.89	NA	NA	<0.4	NA	<0.95	NA	<0.95	NA	<0.61	<0.25	<0.50	<0.89	<0.89	NA	NA	<0.4	NA	<0.95	NA	<0.95	NA	<0.61	100	20
Dichlorodifluoromethane	µg/L	<0.27	<0.50	<0.99	<0.99	NA	NA	<0.2	NA	<0.5	NA	<0.46	NA	<0.76	<0.27	<0.50	<0.99	<0.99	NA	NA	<0.2	NA	<0.5	NA	<0.46	NA	<0.76	1,000	200
Ethylbenzene	µg/L	<0.25	<0.50	<0.54	<0.54	NA	NA	<0.3	NA	<0.38	NA	<0.38	NA	<0.35	<0.25	<0.50	<0.54	<0.54	NA	NA	<0.3	NA	<0.38	NA	<0.38	NA	<0.35	700	140
Fluorotrichloromethane	µg/L	<0.24	<0.50	<0.79	<0.79	NA	NA	<0.48	NA	<0.61	NA	<0.61	NA	<0.81	<0.24	<0.50	<0.79	<0.79	NA	NA	<0.48	NA	<0.61	NA	<0.61	NA	<0.81	3490	698
Methyl-tert-butyl-ether	µg/L	<0.39	<0.50	<0.61	<0.61	NA	NA	<0.36	NA	<0.52	NA	<0.52	NA	<0.7	<0.39	<0.50	<0.61	<0.61	NA	NA	<0.36	NA	<0.52	NA	<0.52	NA	<0.7	60	12
Tetrachloroethene	µg/L	<0.31	<0.50	<0.45	<0.45	NA	NA	<0.45	NA	<0.52	NA	<0.52	NA	<0.5	<0.31	<0.50	<0.45	<0.45	NA	NA	<0.45	NA	<0.52	NA	<0.52	NA	<0.5	5	0.5
Toluene	µg/L	<0.29	<0.50	<0.67	<0.67	NA	NA	<0.52	NA	<0.59	NA	<0.46	NA	<0.39	<0.29	<0.50	<0.67	<0.67	NA	NA	<0.52	NA	<0.59	NA	<0.46	NA	<0.39	1,000	200
Trichloroethene	µg/L	<0.34	<0.50	<0.48	<0.48	NA	NA	<0.37	NA	<0.44	NA	<0.44	NA	<0.47	<0.34	<0.50	<0.48	<0.48	NA	NA	<0.37	NA	<0.44	NA	<0.44	NA	<0.47	5	0.5
1,1,1-Trichloroethane	µg/L	<0.31	<0.50	<0.90	<0.90	NA	NA	<0.42	NA	<0.5	NA	<0.5	NA	<0.28	<0.31	<0.50	<0.90	<0.90	NA	NA	<0.42	NA	<0.5	NA	<0.5	NA	<0.28	200	40
1,2,4-Trimethylbenzene	µg/L	<0.30	<1.0	<0.97	<0.97	NA	NA	<0.32	NA	<0.39	NA	<1.2	NA	<0.51	<0.30	<1.0	<0.97	<0.97	NA	NA	<0.32	NA	<0.39	NA	<1.2	NA	<0.51	NS	NS
1,3,5-Trimethylbenzene	µg/L	<0.34	<1.0	<0.83	<0.83	NA	NA	<0.83	NA	<1.2	NA	<0.37	NA	<0.23	<0.34	<1.0	<0.83	<0.83	NA	NA	<0.83	NA	<1.2	NA	<0.37	NA	<0.23	NS	NS
Total Trimethylbenzene	µg/L	<0.64	<2.0	<1.80	<1.80	NA	NA	<1.15	NA	<1.59	NA	<1.59	NA	<0.74	<0.64	<2.0	<1.80	<1.80	NA	NA	<1.15	NA	<1.59	NA	<1.59	NA	<0.74	480	96
Xylenes, Total	µg/L	<0.25	<0.50	<2.63	<2.63	NA	NA	<1.17	NA	<1.42	NA	<0.99	NA	<1.67	<0.25	<0.50	<2.63	<2.63	NA	NA	<1.17	NA	<1.42	NA	<0.99	NA	<1.67	10,000	1,000
Vinyl Chloride	µg/L	<0.20	<0.17	<0.18	<0.18	NA	NA	<0.16	NA	<0.17	NA	<0.2	NA	<0.2	<0.20	<0.17	<0.18	<0.18	NA	NA	<0.16	NA	<0.17	NA	<0.2	NA	<0.2	0.2	0.02
PAHs																													
Acenaphthene	µg/L	NA	NA	NA	<0.020	NA	NA	<0.016	NA	<0.016	NA	<0.015	NA	<0.013	NA	NA	NA	<0.020	NA	NA	<0.016	NA	<0.016	NA	<0.015	NA	<0.013	NS	NS
Acenaphthylene	µg/L	NA	NA	NA	<0.020	NA	NA	<0.012	NA	<0.012	NA	<0.016	NA	<0.015	NA	NA	NA	<0.020	NA	NA	<0.012	NA	<0.012	NA	<0.016	NA	<0.015	NS	NS
Anthracene	µg/L	NA	NA	NA	<0.018	NA	NA	<0.013	NA	<0.013	NA	<0.013	NA	<0.014	NA	NA	NA	<0.018	NA	NA	<0.013	NA	<0.013	NA	<0.013	NA	<0.014	3000	600
Benz(a)anthracene	µg/L	NA	NA	NA	<0.020	NA	NA	<0.012	NA	<0.012	NA	0.033 Q	NA	0.018 Q	NA	NA	NA	<0.020	NA	NA	<0.012	NA	0.014 Q	NA	<0.015	NA	0.023 Q	NS	NS
Benzo(a)pyrene	µg/L	NA	NA	NA	<0.018	NA	NA	<0.008	NA	<0.008	NA	***0.025 Q***	NA	<0.016	NA	NA	NA	<0.018	NA	NA	<0.008	NA	<0.008	NA	<0.015	NA	<0.016	0.2	0.02
Benzo(b)fluoranthene	µg/L	NA	NA	NA	<0.018	NA	NA	<0.009	NA	<0.009	NA	***0.043 Q***	NA	***0.020 Q***	NA	NA	NA	<0.018	NA	NA	<0.009	NA	<0.009	NA	<0.014	NA	0.017 Q	0.2	0.02
Benzo(ghi)perylene	µg/L	NA	NA	NA	<0.021	NA	NA	<0.01	NA	<0.01	NA	0.022 Q	NA	<0.02	NA	NA	NA	<0.021	NA	NA	<0.01	NA	<0.01	NA	<0.015	NA	<0.02	NS	NS
Benzo(k)fluoranthene	µg/L	NA	NA	NA	<0.019	NA	NA	<0.009	NA	<0.009	NA	<0.023	NA	<0.023	NA	NA	NA	<0.019	NA	NA	<0.009	NA	<0.009	NA	<0.023	NA	<0.023	NS	NS
Chrysene	µg/L	NA	NA	NA	<0.017	NA	NA	<0.011	NA	<0.011	NA	***0.028 Q***	NA	<0.02	NA	NA	NA	<0.017	NA	NA	<0.011	NA	<0.011	NA	<0.016	NA	<0.02	0.2	0.02
Dibenz(a,h)anthracene	µg/L	NA	NA	NA	<0.022	NA	NA	<0.009	NA	<0.009	NA	<0.015	NA	<0.012	NA	NA	NA	<0.022	NA	NA	<0.009	NA	<0.009	NA	<0.015	NA	<0.012	NS	NS
Fluoranthene	µg/L	NA	NA	NA	<0.017	NA	NA	<0.011	NA	<0.011	NA	0.049	NA	<0.016	NA	NA	NA	<0.017	NA	NA	<0.011	NA	<0.011	NA	<0.015	NA	0.025 Q	400	80
Fluorene	µg/L	NA	NA	NA	<0.022	NA	NA	<0.015	NA	<0.015	NA	<0.019	NA	<0.015	NA	NA	NA	<0.022	NA	NA	<0.015	NA	<0.015	NA	<0.019	NA	<0.015	400	80
Indeno(1,2,3-cd)pyrene	µg/L	NA	NA	NA	<0.017	NA	NA	<0.015	NA	<0.015	NA	0.017 Q	NA	<0.013	NA	NA	NA	<0.017	NA	NA	<0.015	NA	<0.015	NA	<0.014	NA	<0.013	NS	NS
1-Methylnaphthalene	µg/L	NA	NA	NA	<0.020	NA	NA	<0.018	NA	<0.018	NA	<0.018	NA	<0.018	NA	NA	NA	<0.020	NA	NA	<0.018	NA	<0.018	NA	<0.018	NA	<0.018	NS	NS
2-Methylnaphthalene	µg/L	NA	NA	NA	<0.023	NA	NA	<0.021	NA	<0.021	NA	<0.021	NA	<0.016	NA	NA	NA	<0.023	NA	NA	<0.021	NA	<0.021	NA	<0.021	NA	<0.016	NS	NS
Naphthalene	µg/L	NA	NA	NA	<0.023	NA	NA	<0.028	NA	<0.028	NA	<0.018	NA	<0.015	NA	NA	NA	<0.023	NA	NA	<0.028	NA	<0.028	NA	0.023 Q	NA	<0.015	100	10
Phenanthrene	µg/L	NA	NA	NA	<0.021	NA	NA	<0.011	NA	<0.011	NA	0.024 Q	NA	<0.017	NA	NA	NA	<0.021	NA	NA	<0.011	NA	<0.011	NA	<0.017	NA	<0.017	NS	NS
Pyrene	µg/L	NA	NA	NA	<0.016	NA	NA	<0.01	NA	<0.01	NA	0.046	NA	0.021 Q	NA	NA	NA	<0.016	NA	NA	<0.01	NA	<0.01	NA	<0.015	NA	0.022 Q	250	50
Dissolved Gasses																													
Ethane	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS
Ethene	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS
Methane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS
Biofeasibility Data																													
pH	IU	NA	7	7	7	NA	NA	7	NA	8.6	7.4	7	7	7.6	NA	7	7	7	NA	NA	7	NA	8.4	8.0	7.0	7	7.8	NS	NS
Temperature	°C	NA	16.2	NA	14.4	NA	NA	NA	NA	16.6	9.6	16.1	9.7	14. 8	NA	14.7	NA	13	NA	NA	NA	NA	14.8	9.2	14.7	9.9	14.4	NS	NS
Ferrous Iron	mg/l	NA	0	0	0	NA	NA	0.0	NA	5.0	0.0	1.0	0.0	1.4	NA	0	0	0	NA	NA	0.0	NA	0.0	0.0	0.0	0.0	0.0	NS	NS
Dissolved Oxygen	mg/l	NA	0.56	0.46	0.23	NA	NA	0.24	NA	0.26	1.6	0.25	0.64	0.74	NA	0.58	0.4	0.25	NA	NA	0.20	NA	0.36	3.37	0.62	0.63	1.42	NS	NS
Redox Potential	mV	NA	141.1	136.0	122.5	NA	NA	NA	NA	-80	-53	22	65	-221.8	NA	152.9	121.4	137.4	NA	NA	NA	NA	78	-29	191	77	-196.4	NS	NS

Notes:
1. * Detection in laboratory Method Blank
2. NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard.
3. NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit.
4. NS = no standard
5. µg/L = micrograms per liter (equivalent to parts per billion, ppb)
6. mg/L = milligrams per liter (equivalent to parts per million, ppm)
7. ng/L = nanograms per liter (equivalent to parts per trillion, ppt)
8. °C = degress Celcius
9. mV = millivolts
10. NA = Not Analyzed
11. Q = Results are qualified due to uncertainty of concentration reported between Limit of Detection and Limit of Quantification
12. Exceedances: **bold, box** = Concentration exceeds NR 140 ES
bold, italics = Concentration exceeds NR 140 PAL

Table 3B
Groundwater Quality Data (Former 3901 N. 2nd Street - North Half Parcel)
Capitol Crossing Redevelopment Project, Milwaukee, Wisconsin
Sigma Project No. 9841

Well ID:		MW-4												PZ-3				MW-5												NR 140	NR 140
Analytes	Date	09/05/03	04/08/04	08/09/04	11/19/04	03/21/05	09/22/05	03/17/06	09/27/06	05/15/07	10/19/07	05/22/08	11/14/08	05/15/07	10/19/07	05/22/08	11/14/08	09/05/03	04/08/04	08/09/04	11/19/04	03/21/05	09/22/05	03/17/06	09/27/06	05/15/07	10/19/07	05/22/08	11/14/08	ES	PAL
Dissolved RCRA Metals																															
Arsenic	µg/L	<5.0	NA	<3.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	NA	<3.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	10	1
Barium	µg/L	<400	NA	74	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<400	NA	63	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,000	400
Cadmium	µg/L	<0.50	NA	<0.30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.50	NA	<0.30	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	0.5
Chromium	µg/L	<100	NA	0.74	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<100	NA	<0.65	NA	NA	NA	NA	NA	NA	NA	NA	NA	100	10
Lead	µg/L	<1.50	NA	<1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.50	NA	<1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	15	1.5
Mercury	µg/L	<0.20	NA	<0.028	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.20	NA	<0.028	NA	NA	NA	NA	NA	NA	NA	NA	NA	2	0.2
Selenium	µg/L	<10.0	NA	<4.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10.0	NA	<4.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	50	10
Silver	µg/L	11.7*	NA	<0.76	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.1*	NA	<0.76	NA	NA	NA	NA	NA	NA	NA	NA	NA	50	10
PVOCs/Detected VOCs																															
Benzene	µg/L	<0.50	<0.41	<0.41	<0.41	<0.41	<0.26	<0.26	<0.47	<0.47	<0.47	<0.24	<0.24	<0.47	<0.47	<0.24	<0.24	<0.50	<0.41	<0.41	NA	NA	<0.26	NA	<0.47	NA	<0.47	NA	<0.24	5	0.5
Chloromethane	µg/L	<0.60	<0.24	<0.24	<0.24	<0.24	<1.1	<1.1	<1	<1	<1	<0.5	<0.5	<1	<1	<0.5	<0.5	<0.60	<0.24	<0.24	NA	NA	<1.1	NA	<1	NA	<1	NA	<0.5	3	0.3
1,1-Dichloroethane	µg/L	<0.50	<0.75	<0.75	<0.75	<0.75	<0.91	<0.91	<0.56	<0.56	<0.56	<0.59	<0.59	<0.56	<0.56	<0.59	<0.59	<0.50	<0.75	<0.75	NA	NA	<0.91	NA	<0.56	NA	<0.56	NA	<0.59	850	85
1,1-Dichloroethene	µg/L	<0.50	<0.57	<0.57	<0.57	<0.57	<0.2	<0.2	<0.3	<0.64	<0.64	<0.5	<0.5	<0.64	<0.64	<0.5	<0.5	<0.50	<0.57	<0.57	NA	NA	<0.2	NA	<0.3	NA	<0.64	NA	<0.5	7	0.7
cis-1,2-Dichloroethene	µg/L	5.5	5.5	***9.7***	***7.0***	***9.0***	***15***	***14.1***	***32***	***49***	***47***	**88**	**99**	1.56 Q	4.7	0.87 Q	3.4	<0.50	<0.83	<0.83	NA	NA	<0.27	NA	<0.68	NA	<0.68	NA	<0.44	70	7
trans-1,2-Dichloroethene	µg/L	<0.50	<0.89	<0.89	<0.89	<0.89	0.59 Q	0.59 Q	1.08 Q	<0.95	<0.95	1.8 "J"	2.33	<0.95	<0.95	<0.61	<0.61	<0.50	<0.89	<0.89	NA	NA	<0.4	NA	<0.95	NA	<0.95	NA	<0.61	100	20
Dichlorodifluoromethane	µg/L	<0.50	<0.99	<0.99	<0.99	<0.99	<0.2	<0.2	<0.5	<0.46	<0.46	<0.76	<0.76	<0.46	<0.46	<0.76	<0.76	<0.50	<0.99	<0.99	NA	NA	<0.2	NA	<0.5	NA	<0.46	NA	<0.76	1,000	200
Ethylbenzene	µg/L	<0.50	<0.54	<0.54	<0.54	<0.54	<0.3	<0.3	<0.38	<0.38	<0.38	<0.35	<0.35	<0.38	<0.38	<0.35	<0.35	<0.50	<0.54	<0.54	NA	NA	<0.3	NA	<0.38	NA	<0.38	NA	<0.35	700	140
Fluorotrichloromethane	µg/L	<0.50	<0.75	<0.79	<0.79	<0.79	<0.48	<0.48	<0.61	<0.61	<0.61	<0.81	<0.81	<0.61	<0.61	<0.81	<0.81	<0.50	<0.79	<0.79	NA	NA	<0.48	NA	<0.61	NA	<0.61	NA	<0.81	3490	698
Methyl-tert-butyl-ether	µg/L	<0.50	<0.61	<0.61	<0.61	<0.61	<0.36	<0.36	<0.52	<0.52	<0.52	<0.7	<0.7	<0.52	<0.52	<0.7	<0.7	<0.50	<0.61	<0.61	NA	NA	<0.36	NA	<0.52	NA	<0.52	NA	<0.7	60	12
Tetrachloroethene	µg/L	**17.4**	**29**	**45**	**17**	**38**	**14**	**19.4**	**9.1**	**5.8**	**9.7**	**11.4**	**10.6**	***1.85***	<0.52	<0.5	<0.5	<0.50	<0.45	<0.45	NA	NA	<0.45	NA	<0.52	NA	<0.52	NA	<0.5	5	0.5
Toluene	µg/L	<0.50	<0.67	<0.67	<0.67	<0.67	<0.52	<0.52	<0.59	<0.46	<0.46	<0.39	<0.39	<0.46	<0.46	<0.39	<0.39	<0.50	<0.67	<0.67	NA	NA	<0.52	NA	<0.59	NA	<0.46	NA	<0.39	1,000	200
Trichloroethene	µg/L	***2.5***	**5.1**	**9.3**	**5.9**	**9.8**	**8.8**	**18**	**11**	**11.6**	***4.2***	**7.6**	***4.6***	***1.74***	***1.5***	***0.92 Q***	<0.47	<0.50	<0.48	<0.48	NA	NA	<0.37	NA	<0.44	NA	<0.44	NA	<0.47	5	0.5
1,1,1-Trichloroethane	µg/L	<0.50	<0.90	<0.90	<0.90	<0.90	<0.42	<0.42	<0.5	<0.5	<0.5	<0.28	<0.28	<0.5	<0.5	<0.28	<0.28	<0.50	<0.90	<0.90	NA	NA	<0.42	NA	<0.5	NA	<0.5	NA	<0.28	200	40
1,2,4-Trimethylbenzene	µg/L	<1.0	<0.97	<0.97	<0.97	<0.97	<0.32	<0.32	<0.39	<1.2	<1.2	<0.51	<0.51	<1.2	<1.2	<0.51	<0.51	<1.0	<0.97	<0.97	NA	NA	<0.32	NA	<0.39	NA	<1.2	NA	<0.51	NS	NS
1,3,5-Trimethylbenzene	µg/L	<1.0	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<1.2	<0.37	<0.37	<0.23	<0.23	<0.37	<0.37	<0.23	<0.23	<1.0	<0.83	<0.83	NA	NA	<0.83	NA	<1.2	NA	<0.37	NA	<0.23	NS	NS
Total Trimethylbenzene	µg/L	<2.0	<1.80	<1.80	<1.80	<1.80	<1.15	<1.15	<1.59	<1.57	<1.59	<0.74	<0.74	<1.57	<1.59	<0.74	<0.74	<2.0	<1.80	<1.80	NA	NA	<1.15	NA	<1.59	NA	<1.59	NA	<0.74	480	96
Xylenes, Total	µg/L	<0.50	<2.63	<2.63	<2.63	<2.63	<1.17	<1.17	<1.42	<0.99	<0.99	<1.67	<1.67	<0.99	<0.99	<1.67	<1.67	<0.50	<2.63	<2.63	NA	NA	<1.17	NA	<1.42	NA	<0.99	NA	<1.67	10,000	1,000
Vinyl Chloride	µg/L	<0.17	<0.18	<0.18	<0.18	<0.18	<0.16	<0.16	<0.17	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.17	<0.18	<0.18	NA	NA	<0.16	NA	<0.17	NA	<0.2	NA	<0.2	0.2	0.02
PAHs																															
Acenaphthene	µg/L	NA	NA	<0.020	<0.021	NA	<0.016	NA	<0.016	NA	<0.015	NA	<0.013	<0.015	<0.015	NA	<0.013	NA	NA	<0.020	NA	NA	<0.016	NA	<0.016	NA	<0.015	NA	<0.013	NS	NS
Acenaphthylene	µg/L	NA	NA	<0.020	<0.021	NA	<0.012	NA	<0.012	NA	<0.016	NA	<0.015	<0.016	<0.016	NA	<0.015	NA	NA	<0.020	NA	NA	<0.012	NA	<0.012	NA	<0.016	NA	<0.015	NS	NS
Anthracene	µg/L	NA	NA	<0.018	<0.019	NA	<0.013	NA	<0.013	NA	<0.013	NA	<0.014	<0.013	<0.013	NA	<0.014	NA	NA	<0.018	NA	NA	<0.013	NA	<0.013	NA	<0.013	NA	<0.014	3000	600
Benz(a)anthracene	µg/L	NA	NA	<0.020	<0.021	NA	<0.012	NA	<0.012	NA	<0.015	NA	<0.017	<0.015	0.015 Q	NA	<0.017	NA	NA	<0.020	NA	NA	<0.012	NA	<0.012	NA	<0.015	NA	<0.017	NS	NS
Benzo(a)pyrene	µg/L	NA	NA	<0.018	<0.020	NA	<0.008	NA	<0.008	NA	<0.015	NA	<0.016	<0.015	<0.015	NA	<0.016	NA	NA	<0.018	NA	NA	<0.008	NA	<0.008	NA	<0.015	NA	<0.016	0.2	0.02
Benzo(b)fluoranthene	µg/L	NA	NA	<0.018	<0.019	NA	<0.009	NA	<0.009	NA	<0.014	NA	<0.01	<0.014	<0.014	NA	<0.01	NA	NA	<0.018	NA	NA	<0.009	NA	<0.009	NA	<0.014	NA	<0.01	0.2	0.02
Benzo(ghi)perylene	µg/L	NA	NA	<0.021	<0.022	NA	<0.01	NA	<0.01	NA	<0.015	NA	<0.02	<0.015	<0.015	NA	<0.02	NA	NA	<0.021	NA	NA	<0.01	NA	<0.01	NA	<0.015	NA	<0.02	NS	NS
Benzo(k)fluoranthene	µg/L	NA	NA	<0.019	<0.021	NA	<0.009	NA	<0.009	NA	<0.023	NA	<0.023	<0.023	<0.023	NA	<0.023	NA	NA	<0.019	NA	NA	<0.009	NA	<0.009	NA	<0.023	NA	<0.023	NS	NS
Chrysene	µg/L	NA	NA	<0.017	<0.018	NA	<0.011	NA	<0.011	NA	<0.016	NA	<0.02	<0.016	<0.016	NA	<0.02	NA	NA	<0.017	NA	NA	<0.011	NA	<0.011	NA	<0.016	NA	<0.02	0.2	0.02
Dibenz(a,h)anthracene	µg/L	NA	NA	<0.022	<0.024	NA	<0.009	NA	<0.009	NA	<0.015	NA	<0.012	<0.015	<0.015	NA	<0.012	NA	NA	<0.022	NA	NA	<0.009	NA	<0.009	NA	<0.015	NA	<0.012	NS	NS
Fluoranthene	µg/L	NA	NA	<0.017	<0.017	NA	<0.011	NA	<0.011	NA	<0.015	NA	<0.016	<0.015	0.021 Q	NA	<0.016	NA	NA	<0.017	NA	NA	<0.011	NA	<0.011	NA	<0.015	NA	<0.016	400	80
Fluorene	µg/L	NA	NA	<0.022	<0.024	NA	<0.015	NA	<0.015	NA	<0.019	NA	<0.015	<0.019	<0.019	NA	<0.015	NA	NA	<0.022	NA	NA	<0.015	NA	<0.015	NA	<0.019	NA	<0.015	400	80
Indeno(1,2,3-cd)pyrene	µg/L	NA	NA	<0.017	<0.018	NA	<0.015	NA	<0.015	NA	<0.014	NA	<0.013	<0.014	<0.014	NA	<0.013	NA	NA	<0.017	NA	NA	<0.015	NA	<0.015	NA	<0.014	NA	<0.013	NS	NS
1-Methylnaphthalene	µg/L	NA	NA	<0.020	<0.022	NA	<0.018	NA	<0.018	NA	<0.018	NA	<0.018	<0.018	<0.018	NA	<0.018	NA	NA	<0.020	NA	NA	<0.018	NA	<0.018	NA	<0.018	NA	<0.018	NS	NS
2-Methylnaphthalene	µg/L	NA	NA	<0.023	<0.025	NA	<0.021	NA	<0.021	NA	<0.021	NA	<0.016	0.030 Q	0.038 Q	NA	<0.016	NA	NA	<0.023	NA	NA	<0.021	NA	<0.021	NA	<0.021	NA	<0.016	NS	NS
Naphthalene	µg/L	NA	NA	<0.023	<0.024	NA	<0.028	NA	<0.028	NA	<0.018	NA	<0.015	0.046 Q	0.023 Q	NA	<0.015	NA	NA	<0.023	NA	NA	<0.028	NA	<0.028	NA	<0.018	NA	<0.015	100	10
Phenanthrene	µg/L	NA	NA	<0.021	<0.022	NA	<0.011	NA	<0.011	NA	<0.017	NA	<0.017	0.021 Q	0.047 Q	NA	0.025 Q	NA	NA	<0.021	NA	NA	<0.011	NA	<0.011	NA	<0.017	NA	<0.017	NS	NS
Pyrene	µg/L	NA	NA	<0.016	<0.018	NA	<0.01	NA	<0.01	NA	0.024 Q	NA	<0.016	<0.015	0.019 Q	NA	<0.016	NA	NA	<0.016	NA	NA	<0.01	NA	<0.01	NA	<0.015	NA	<0.016	250	50
Dissolved Gasses																															
Ethane	ng/l	NA	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS
Ethene	ng/l	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS
Methane	ug/l	NA	0.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS
Biofeasibility Data																															
pH	IU	7	7	7	7	NA	7	7	7.9	7.2	7.5	7	8.1	7.5	7.5	7	4.0	7	7	7	NA	NA	7	NA	8.7	7.1	7	7	6.9	NS	NS
Temperature	°C	14.9	NA	13.4	14.7	9.4	NA	9.4	15.4	10.4	15.3	10. 5	15.1	11.5	13.1	10.1	13.2	13.5	NA	12.5	NA	NA	NA	NA	14.1	9.2	16.0	9.9	14.7	NS	NS
Ferrous Iron	mg/l	0	0	0	0	0	0.0	1.8	2.0	3.0	2.0	1.8	1.2	0.0	0.2	0.0	0.0	0	0.8	0	NA	NA	0.0	NA	0.0	0.0	0.0	0.0	0.0	NS	NS
Dissolved Oxygen	mg/l	0.44	0.47	0.21	1.97	0.77	0.26	0.35	0.30	0.50	0.24	0.37	0.76	1.7	0.26	0.48	0.74	0.48	0.32	0.25	NA	NA	0.26	NA	0.33	2.6	0.33	0.39	0.47	NS	NS
Redox Potential	mV	83.1	138.8	143.0	NA	68.7	NA	66	14	-245	-1	-24	-230.3	-51	-43	2	-210.8	161.1	121.3	118.6	NA	NA	NA	NA	50	-41	131	60	-220.3	NS	NS

Notes:
1. * Detection in laboratory Method Blank
2. NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard.
3. NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit.
4. NS = no standard
5. µg/L = micrograms per liter (equivalent to parts per billion, ppb)
6. mg/L = milligrams per liter (equivalent to parts per million, ppm)
7. ng/L = nanograms per liter (equivalent to parts per trillion, ppt)
8. °C = degress Celcius
9. mV = millivolts
10. NA = Not Analyzed
11. Q = Results are qualified due to uncertainty of concentration reported between Limit of Detection and Limit of Quantification
12. Exceedances: **bold, box** = Concentration exceeds NR 140 ES
bold, italics = Concentration exceeds NR 140 PAL

Table 3B
Groundwater Quality Data (Former 3901 N. 2nd Street - North Half Parcel)
Capitol Crossing Redevelopment Project, Milwaukee, Wisconsin
Sigma Project No. 9841

Well ID:		PZ-1												MW-6												NR 140	NR 140
Analytes	Date	09/05/03	04/08/04	08/09/04	11/19/04	03/21/05	09/22/05	03/17/06	09/27/06	05/15/07	10/19/07	05/22/08	11/14/08	09/05/03	04/08/04	08/09/04	11/19/04	03/21/05	09/22/05	03/17/06	09/27/06	05/15/07	10/19/07	05/22/08	11/14/08	**ES**	**PAL**
Dissolved RCRA Metals																											
Arsenic	µg/L	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	NA	<1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	10	1
Barium	µg/L	<400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<400	NA	52	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,000	400
Cadmium	µg/L	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.50	NA	<0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	0.5
Chromium	µg/L	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<100	NA	<0.52	NA	NA	NA	NA	NA	NA	NA	NA	NA	100	10
Lead	µg/L	<1.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.50	NA	<1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	15	1.5
Mercury	µg/L	<0.20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.20	NA	<0.028	NA	NA	NA	NA	NA	NA	NA	NA	NA	2	0.2
Selenium	µg/L	<10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10.0	NA	1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	50	10
Silver	µg/L	12.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.6*	NA	<0.57	NA	NA	NA	NA	NA	NA	NA	NA	NA	50	10
PVOCs/Detected VOCs																											
Benzene	µg/L	***0.972***	<0.41	<0.41	NA	NA	<0.26	NA	<0.47	NA	<0.47	NA	0.24 Q	<0.50	<0.41	<0.41	<0.41	<0.41	<0.26	<0.26	<0.47	<0.47	<0.47	<0.24	<0.24	5	0.5
Chloromethane	µg/L	<0.60	<0.24	<0.24	NA	NA	<1.1	NA	<1	NA	<1	NA	<0.5	<0.60	<0.24	<0.24	<0.24	<0.24	<1.1	<1.1	<1	<1	<1	<0.5	<0.5	3	0.3
1,1-Dichloroethane	µg/L	<0.50	<0.75	<0.75	NA	NA	<0.91	NA	<0.56	NA	<0.56	NA	<0.59	<0.50	<0.75	<0.75	<0.75	<0.75	<0.91	<0.91	<0.56	<0.56	<0.56	<0.59	<0.59	850	85
1,1-Dichloroethene	µg/L	<0.50	<0.57	<0.57	NA	NA	<0.2	NA	<0.3	NA	<0.64	NA	<0.5	<0.50	<0.57	<0.57	<0.57	<0.57	<0.2	<0.2	<0.3	<0.64	<0.64	<0.5	<0.5	7	0.7
cis-1,2-Dichloroethene	µg/L	<0.50	<0.83	<0.83	NA	NA	<0.27	NA	<0.68	NA	<0.68	NA	<0.44	<0.50	<0.83	<0.83	<0.83	<0.83	<0.27	<0.27	<0.68	<0.68	<0.68	<0.44	<0.44	70	7
trans-1,2-Dichloroethene	µg/L	<0.50	<0.89	<0.89	NA	NA	<0.4	NA	<0.95	NA	<0.95	NA	<0.61	<0.50	<0.89	<0.89	<0.89	<0.89	<0.4	<0.4	<0.95	<0.95	<0.95	<0.61	<0.61	100	20
Dichlorodifluoromethane	µg/L	<0.99	<0.99	<0.99	NA	NA	<0.2	NA	<0.5	NA	<0.46	NA	<0.76	<0.50	<0.99	<0.99	<0.99	<0.99	<0.2	<0.2	<0.5	<0.46	<0.46	<0.76	<0.76	1,000	200
Ethylbenzene	µg/L	<0.50	<0.54	<0.54	NA	NA	<0.3	NA	<0.38	NA	<0.38	NA	<0.35	<0.50	<0.54	<0.54	<0.54	<0.54	<0.3	<0.3	<0.38	<0.38	<0.38	<0.35	<0.35	700	140
Fluorotrichloromethane	µg/L	<0.50	<0.79	<0.79	NA	NA	<0.48	NA	<0.61	NA	<0.61	NA	<0.81	<0.50	<0.79	<0.79	<0.79	<0.79	<0.48	<0.48	<0.61	<0.61	<0.61	<0.81	<0.81	3490	698
Methyl-tert-butyl-ether	µg/L	<0.50	<0.61	<0.61	NA	NA	<0.36	NA	<0.52	NA	<0.52	NA	<0.7	<0.50	<0.61	<0.61	<0.61	<0.61	<0.36	<0.36	<0.52	<0.52	<0.52	<0.7	<0.7	60	12
Tetrachloroethene	µg/L	<0.50	<0.45	<0.45	NA	NA	<0.45	NA	<0.52	NA	<0.52	NA	<0.5	***4.95***	***3.8***	**5.8**	**5.9**	***3.1***	**7.7**	***2.96***	***4.7***	**5.5**	**5.7**	**5.5**	**5.5**	5	0.5
Toluene	µg/L	0.811	<0.67	<0.67	NA	NA	<0.52	NA	<0.59	NA	<0.46	NA	<0.39	*<0.50*	*<0.67*	<0.67	<0.67	<0.67	<0.52	<0.52	<0.59	<0.46	<0.46	<0.39	<0.39	1,000	200
Trichloroethene	µg/L	<0.50	<0.48	<0.48	NA	NA	<0.37	NA	<0.44	NA	<0.44	NA	<0.47	<0.50	<0.48	<0.48	<0.48	<0.48	<0.37	<0.37	<0.44	<0.44	<0.44	***0.92 "J"***	***1.73***	5	0.5
1,1,1-Trichloroethane	µg/L	<0.50	<0.90	<0.90	NA	NA	<0.42	NA	<0.5	NA	<0.5	NA	<0.28	<0.50	<0.90	<0.90	<0.90	<0.90	<0.42	<0.42	<0.5	<0.5	<0.5	<0.28	<0.28	200	40
1,2,4-Trimethylbenzene	µg/L	<1.0	<0.97	<0.97	NA	NA	<0.32	NA	<0.39	NA	<1.2	NA	<0.51	<1.0	<0.97	<0.97	<0.97	<0.97	<0.32	<0.32	<0.39	<1.2	<1.2	<0.51	<0.51	NS	NS
1,3,5-Trimethylbenzene	µg/L	<1.0	<0.83	<0.83	NA	NA	<0.83	NA	<1.2	NA	<0.37	NA	<0.23	<1.0	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<1.2	<0.37	<0.37	<0.23	<0.23	NS	NS
Total Trimethylbenzene	µg/L	<2.0	<1.80	<1.80	NA	NA	<1.15	NA	<1.59	NA	<1.59	NA	<0.74	<2.0	<1.80	<1.80	<1.80	<1.80	<1.15	<1.15	<1.59	<1.57	<1.59	<0.74	<0.74	480	96
Xylenes, Total	µg/L	<0.50	<2.63	<2.63	NA	NA	<1.17	NA	<1.42	NA	<0.99	NA	<1.67	<0.50	<2.63	<2.63	<2.63	<2.63	<1.17	<1.17	<1.42	<0.99	<0.99	<1.67	<1.67	10,000	1,000
Vinyl Chloride	µg/L	<0.17	<0.18	<0.18	NA	NA	<0.16	NA	<0.17	NA	<0.2	NA	<0.2	<0.17	<0.16	<0.18	<0.18	<0.18	<0.16	<0.16	<0.17	<0.2	<0.2	<0.2	<0.2	0.2	0.02
PAHs																											
Acenaphthene	µg/L	NA	NA	NA	NA	NA	<0.016	NA	<0.016	NA	<0.015	0.024 "J"	NA	NA	NA	<0.020	<0.020	NA	<0.016	NA	<0.016	NA	<0.015	NA	<0.013	NS	NS
Acenaphthylene	µg/L	NA	NA	NA	NA	NA	<0.012	NA	<0.012	NA	<0.016	<0.015	NA	NA	NA	<0.020	<0.020	NA	<0.012	NA	<0.012	NA	<0.016	NA	<0.015	NS	NS
Anthracene	µg/L	NA	NA	NA	NA	NA	<0.013	NA	<0.013	NA	0.028 Q	0.032 "J"	NA	NA	NA	<0.018	<0.018	NA	<0.013	NA	<0.013	NA	<0.013	NA	<0.014	3000	600
Benz(a)anthracene	µg/L	NA	NA	NA	NA	NA	<0.012	NA	<0.012	NA	0.115	0.018 "J"	NA	NA	NA	<0.020	<0.020	NA	<0.012	NA	0.016 Q	NA	0.021 Q	NA	0.030 Q	NS	NS
Benzo(a)pyrene	µg/L	NA	NA	NA	NA	NA	<0.008	NA	<0.008	NA	***0.092***	<0.016	NA	NA	NA	<0.018	<0.018	NA	<0.008	NA	<0.008	NA	<0.015	NA	0.019 Q	0.2	0.02
Benzo(b)fluoranthene	µg/L	NA	NA	NA	NA	NA	<0.009	NA	<0.009	NA	***0.138***	0.014 "J"	NA	NA	NA	<0.018	<0.018	NA	<0.009	NA	0.010 Q	NA	***0.021 Q***	NA	***0.028 Q***	0.2	0.02
Benzo(ghi)perylene	µg/L	NA	NA	NA	NA	NA	<0.01	NA	<0.01	NA	0.052	<0.02	NA	NA	NA	<0.021	<0.021	NA	<0.01	NA	<0.01	NA	0.027 Q	NA	0.023 Q	NS	NS
Benzo(k)fluoranthene	µg/L	NA	NA	NA	NA	NA	<0.009	NA	<0.009	NA	0.043 Q	<0.023	NA	NA	NA	<0.019	<0.019	NA	<0.009	NA	<0.009	NA	<0.023	NA	<0.023	NS	NS
Chrysene	µg/L	NA	NA	NA	NA	NA	<0.011	NA	<0.011	NA	***0.102***	<0.02	NA	NA	NA	<0.017	<0.017	NA	<0.011	NA	<0.011	NA	<0.016	NA	***0.020 Q***	0.2	0.02
Dibenz(a,h)anthracene	µg/L	NA	NA	NA	NA	NA	<0.009	NA	<0.009	NA	<0.015	<0.012	NA	NA	NA	<0.022	<0.022	NA	<0.009	NA	<0.009	NA	<0.015	NA	<0.012	NS	NS
Fluoranthene	µg/L	NA	NA	NA	NA	NA	0.012 Q	NA	<0.011	NA	0.25	0.065	NA	NA	NA	<0.017	0.023	NA	<0.011	NA	0.015 Q	NA	0.033 Q	NA	0.042 Q	400	80
Fluorene	µg/L	NA	NA	NA	NA	NA	<0.015	NA	<0.015	NA	<0.019	<0.015	NA	NA	NA	<0.022	<0.022	NA	<0.015	NA	<0.015	NA	<0.019	NA	<0.015	400	80
Indeno(1,2,3-cd)pyrene	µg/L	NA	NA	NA	NA	NA	<0.015	NA	<0.015	NA	0.056	<0.013	NA	NA	NA	<0.017	<0.017	NA	<0.015	NA	<0.015	NA	<0.014	NA	0.016 Q	NS	NS
1-Methylnaphthalene	µg/L	NA	NA	NA	NA	NA	<0.018	NA	<0.018	NA	0.021 Q	<0.018	NA	NA	NA	<0.020	<0.020	NA	<0.018	NA	<0.018	NA	<0.018	NA	<0.018	NS	NS
2-Methylnaphthalene	µg/L	NA	NA	NA	NA	NA	<0.021	NA	<0.021	NA	0.034 Q	<0.016	NA	NA	NA	<0.023	<0.023	NA	<0.021	NA	<0.021	NA	<0.021	NA	<0.016	NS	NS
Naphthalene	µg/L	NA	NA	NA	NA	NA	<0.028	NA	<0.028	NA	0.037 Q	<0.015	NA	NA	NA	<0.023	<0.023	NA	<0.028	NA	<0.028	NA	<0.018	NA	<0.015	100	10
Phenanthrene	µg/L	NA	NA	NA	NA	NA	0.013 Q	NA	<0.011	NA	0.142	0.036 "J"	NA	NA	NA	<0.021	<0.021	NA	<0.011	NA	0.012 Q	NA	0.020 Q	NA	<0.017	NS	NS
Pyrene	µg/L	NA	NA	NA	NA	NA	0.014 Q	NA	0.013 Q	NA	0.202	0.046 "J"	NA	NA	NA	<0.016	0.021	NA	<0.01	NA	0.016 Q	NA	0.040 Q	NA	0.038 Q	250	50
Dissolved Gasses																											
Ethane	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS
Ethene	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS
Methane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS
Biofeasibility Data																											
pH	IU	7	7	7	NA	NA	7	NA	7.9	7.3	7	7	6.1	7	7	7	7	NA	7	7	9.2	7.1	7	7	7.8	NS	NS
Temperature	°C	11.1	NA	10.8	NA	NA	NA	NA	11.8	9.9	14.0	9.9	14.5	1 2.9	NA	13.2	13.7	7.0	NA	9.2	14.3	9.2	16.1	9.8	15.4	NS	NS
Ferrous Iron	mg/l	0	0.8	0	NA	NA	0.0	NA	1.8	0.0	0.0	2.2	3.0	0	0	0	0	0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	NS	NS
Dissolved Oxygen	mg/l	0.38	0.46	0.4	NA	NA	1.2	NA	0.51	2.4	0.31	0.40	0.67	0.17	0.34	0.33	1.52	3.84	0.27	0.23	0.34	2.7	0.18	0.46	0.86	NS	NS
Redox Potential	mV	133.9	120.6	141.5	NA	NA	NA	NA	-70	-44	153	-21	-188.4	95.7	134.6	128.6	NA	73.8	NA	82	26	-44	125	42	-199.4	NS	NS

Notes:
1. * Detection in laboratory Method Blank
2. NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard.
3. NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit.
4. NS = no standard
5. µg/L = micrograms per liter (equivalent to parts per billion, ppb)
6. mg/L = milligrams per liter (equivalent to parts per million, ppm)
7. ng/L = nanograms per liter (equivalent to parts per trillion, ppt)
8. °C = degress Celcius
9. mV = millivolts
10. NA = Not Analyzed
11. Q = Results are qualified due to uncertainty of concentration reported between Limit of Detection and Limit of Quantification
12. Exceedances: **bold, box** = Concentration exceeds NR 140 ES
bold, italics = Concentration exceeds NR 140 PAL

Table 3B
Groundwater Quality Data (Former 3901 N. 2nd Street - North Half Parcel)
Capitol Crossing Redevelopment Project, Milwaukee, Wisconsin
Sigma Project No. 9841

Well ID:		MW-7 (Not Included - Well in South Half of 3901 N. 2nd Street)											MW-8											NR 140	NR 140
Analytes	Date	09/05/03	04/08/04	08/09/04	11/19/04	03/21/05	09/22/05	03/17/06	09/27/06	05/15/07	10/19/07	05/22/08	04/08/04	08/09/04	11/19/05	03/21/05	09/22/05	03/17/06	09/27/06	05/15/07	10/19/07	05/22/08	11/14/08	ES	PAL
Dissolved RCRA Metals																									
Arsenic	µg/L	***7.27***	NA	***3.6***	NA	NA	NA	***1.3***	***3.9***	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10	1
Barium	µg/L	<400	NA	65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,000	400
Cadmium	µg/L	<0.50	NA	<0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	0.5
Chromium	µg/L	<100	NA	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100	10
Lead	µg/L	<1.50	NA	<1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15	1.5
Mercury	µg/L	<0.20	NA	<0.028	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2	0.2
Selenium	µg/L	<10.0	NA	2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50	10
Silver	µg/L	11.8*	NA	<0.57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50	10
PVOCs/Detected VOCs																									
Benzene	µg/L	<0.50	<0.41	<0.41	<0.41	NA	<0.26	NA	<0.47	NA	NA	NA	<0.41	<0.41	NA	NA	***1.1***	<0.26	<0.47	NA	<0.47	NA	<0.24	5	0.5
Chloromethane	µg/L	<0.60	<0.24	<0.24	<0.24	NA	<1.1	NA	<1	NA	NA	NA	<0.24	<0.24	NA	NA	<1.1	<1.1	<1	NA	<1	NA	<0.5	3	0.3
1,1-Dichloroethane	µg/L	<0.50	<0.75	<0.75	<0.75	NA	<0.91	NA	<0.56	NA	NA	NA	<0.75	<0.75	NA	NA	<0.91	<0.91	<0.56	NA	<0.56	NA	<0.59	850	85
1,1-Dichloroethene	µg/L	<0.50	<0.57	<0.57	<0.57	NA	<0.2	NA	<0.3	NA	NA	NA	<0.57	<0.57	NA	NA	<0.2	<0.2	<0.3	NA	<0.64	NA	<0.5	7	0.7
cis-1,2-Dichloroethene	µg/L	<0.50	<0.83	<0.83	<0.83	NA	<0.27	NA	<0.68	NA	NA	NA	<0.83	<0.83	NA	NA	<0.27	<0.27	<0.68	NA	<0.68	NA	<0.44	70	7
trans-1,2-Dichloroethene	µg/L	<0.50	<0.89	<0.89	<0.89	NA	<0.4	NA	<0.95	NA	NA	NA	<0.89	<0.89	NA	NA	<0.4	<0.4	<0.95	NA	<0.95	NA	<0.61	100	20
Dichlorodiflluoromethane	µg/L	<0.50	<0.99	<0.99	<0.99	NA	<0.2	NA	<0.5	NA	NA	NA	<0.99	<0.99	NA	NA	<0.2	<0.2	<0.5	NA	<0.46	NA	<0.76	1,000	200
Ethylbenzene	µg/L	<0.50	<0.54	<0.54	<0.54	NA	<0.3	NA	<0.38	NA	NA	NA	<0.54	<0.54	NA	NA	<0.3	<0.3	<0.38	NA	<0.38	NA	<0.35	700	140
Fluorotrichloromethane	µg/L	<0.50	<0.79	<0.79	<0.79	NA	<0.48	NA	<0.61	NA	NA	NA	<0.79	<0.79	NA	NA	<0.48	<0.48	<0.61	NA	<0.61	NA	<0.81	3490	698
Methyl-tert-butyl-ether	µg/L	<0.50	<0.61	<0.61	<0.61	NA	<0.36	NA	<0.52	NA	NA	NA	<0.61	<0.61	NA	NA	<0.36	<0.36	<0.52	NA	<0.52	NA	<0.7	60	12
Tetrachloroethene	µg/L	<0.50	<0.45	<0.45	<0.45	NA	<0.45	NA	<0.52	NA	NA	NA	<0.45	<0.45	NA	NA	<0.45	<0.45	<0.52	NA	<0.52	NA	<0.5	5	0.5
Toluene	µg/L	<0.50	<0.67	<0.67	<0.67	NA	<0.52	NA	<0.59	NA	NA	NA	<0.67	<0.67	NA	NA	<0.52	<0.52	<0.59	NA	<0.46	NA	<0.39	1,000	200
Trichloroethene	µg/L	<0.50	<0.48	<0.48	<0.48	NA	<0.37	NA	<0.44	NA	NA	NA	<0.48	<0.48	NA	NA	<0.37	<0.37	<0.44	NA	<0.44	NA	<0.47	5	0.5
1,1,1-Trichloroethane	µg/L	<0.50	<0.90	<0.90	<0.90	NA	<0.42	NA	<0.5	NA	NA	NA	<0.90	<0.90	NA	NA	<0.42	<0.42	<0.5	NA	<0.5	NA	<0.28	200	40
1,2,4-Trimethylbenzene	µg/L	<1.0	<0.97	<0.97	<0.97	NA	<0.32	NA	<0.39	NA	NA	NA	<0.97	<0.97	NA	NA	<0.32	<0.32	<0.39	NA	<1.2	NA	<0.51	NS	NS
1,3,5-Trimethylbenzene	µg/L	<1.0	<0.83	<0.83	<0.83	NA	<0.83	NA	<1.2	NA	NA	NA	<0.83	<0.83	NA	NA	<0.83	<0.83	<1.2	NA	<0.37	NA	<0.23	NS	NS
Total Trimethylbenzene	µg/L	<2.0	<1.80	<1.80	<1.80	NA	<1.15	NA	<1.59	NA	NA	NA	<1.80	<1.80	NA	NA	<1.15	<1.15	<1.59	NA	<1.59	NA	<0.74	480	96
Xylenes, Total	µg/L	<0.50	<2.63	<2.63	<2.63	NA	<1.17	NA	<1.42	NA	NA	NA	<2.63	<2.63	NA	NA	<1.17	<1.17	<1.42	NA	<0.99	NA	<1.67	10,000	1,000
Vinyl Chloride	µg/L	<0.17	<0.18	<0.18	<0.18	NA	<0.16	NA	<0.17	NA	NA	NA	<0.18	<0.18	NA	NA	<0.16	<0.16	<0.17	NA	<0.2	NA	<0.2	0.2	0.02
PAHs																									
Acenaphthene	µg/L	NA	NA	<0.020	<0.022	NA	<0.016	<0.016	<0.016	NA	NA	NA	NA	NA	NA	NA	<0.016	NA	<0.016	<0.015	<0.015	NA	<0.013	NS	NS
Acenaphthylene	µg/L	NA	NA	<0.020	<0.022	NA	<0.012	<0.012	<0.012	NA	NA	NA	NA	NA	NA	NA	<0.012	NA	<0.012	<0.016	<0.016	NA	<0.015	NS	NS
Anthracene	µg/L	NA	NA	0.02	0.02	NA	<0.013	<0.013	<0.013	NA	NA	NA	NA	NA	NA	NA	<0.013	NA	<0.013	<0.013	<0.013	NA	0.025 Q	3000	600
Benz(a)anthracene	µg/L	NA	NA	<0.020	<0.022	NA	0.017 Q	<0.012	0.014 Q	NA	NA	NA	NA	NA	NA	NA	<0.012	NA	0.051	0.030 Q	0.016 Q	NA	0.149	NS	NS
Benzo(a)pyrene	µg/L	NA	NA	<0.018	<0.021	NA	<0.008	<0.008	<0.008	NA	NA	NA	NA	NA	NA	NA	<0.008	NA	***0.053***	***0.026 Q***	<0.015	NA	***0.144***	0.2	0.02
Benzo(b)fluoranthene	µg/L	NA	NA	<0.018	<0.020	NA	0.013 Q	<0.009	<0.009	NA	NA	NA	NA	NA	NA	NA	<0.009	NA	***0.084***	***0.046***	<0.014	NA	**0.218**	0.2	0.02
Benzo(ghi)perylene	µg/L	NA	NA	<0.021	0.032	NA	0.040	<0.01	0.012 Q	NA	NA	NA	NA	NA	NA	NA	0.025 Q	NA	0.11	0.022 Q	<0.015	NA	0.128	NS	NS
Benzo(k)fluoranthene	µg/L	NA	NA	<0.019	<0.022	NA	0.009 Q	<0.009	<0.009	NA	NA	NA	NA	NA	NA	NA	<0.009	NA	0.030	<0.023	<0.023	NA	0.058 Q	NS	NS
Chrysene	µg/L	NA	NA	<0.017	<0.019	NA	***0.021 Q***	<0.011	<0.011	NA	NA	NA	NA	NA	NA	NA	<0.011	NA	***0.057***	***0.035 Q***	<0.016	NA	***0.165***	0.2	0.02
Dibenz(a,h)anthracene	µg/L	NA	NA	<0.022	<0.025	NA	<0.009	<0.009	<0.009	NA	NA	NA	NA	NA	NA	NA	<0.009	NA	<0.009	<0.015	<0.015	NA	0.023 Q	NS	NS
Fluoranthene	µg/L	NA	NA	0.06	0.039	NA	0.070	0.055	0.039	NA	NA	NA	NA	NA	NA	NA	<0.011	NA	0.11	0.068	0.033 Q	NA	0.34	400	80
Fluorene	µg/L	NA	NA	<0.022	<0.025	NA	<0.015	<0.015	<0.015	NA	NA	NA	NA	NA	NA	NA	<0.015	NA	<0.015	<0.019	0.026 Q	NA	<0.015	400	80
Indeno(1,2,3-cd)pyrene	µg/L	NA	NA	<0.017	<0.017	NA	<0.015	<0.015	<0.015	NA	NA	NA	NA	NA	NA	NA	<0.015	NA	0.056	0.020 Q	<0.014	NA	0.109	NS	NS
1-Methylnaphthalene	µg/L	NA	NA	<0.020	<0.023	NA	<0.018	0.030 Q	0.031 Q	NA	NA	NA	NA	NA	NA	NA	<0.018	NA	<0.018	<0.018	0.027 Q	NA	<0.018	NS	NS
2-Methylnaphthalene	µg/L	NA	NA	<0.023	<0.026	NA	<0.021	<0.021	<0.021	NA	NA	NA	NA	NA	NA	NA	<0.021	NA	<0.021	0.038 Q	0.035 Q	NA	<0.016	NS	NS
Naphthalene	µg/L	NA	NA	0.024	0.027	NA	<0.028	0.040 Q	0.052 Q	NA	NA	NA	NA	NA	NA	NA	0.12	NA	0.029 Q	0.024 Q	0.021 Q	NA	<0.015	100	10
Phenanthrene	µg/L	NA	NA	0.021	0.026	NA	0.042	0.026 Q	0.031 Q	NA	NA	NA	NA	NA	NA	NA	0.012 Q	NA	0.047	0.031 Q	0.092	NA	0.126	NS	NS
Pyrene	µg/L	NA	NA	0.061	0.042	NA	0.050	0.050	0.031 Q	NA	NA	NA	NA	NA	NA	NA	0.013 Q	NA	0.12	0.057	0.027 Q	NA	0.283	250	50
Dissolved Gasses																									
Ethane	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS
Ethene	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS
Methane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS
Biofeasibility Data																									
pH	IU	7	7	7	7	NA	7	11	9.4	NA	NA	NA	7	7	NA	NA	7	7	8.2	7.9	7.0	7	6.9	NS	NS
Temperature	°C	13.8	NA	12.1	12.1	NA	NA	9.3	13.8	NA	NA	NA	NA	13.1	NA	NA	NA	9.3	15.5	9.4	15.6	10.2	15.7	NS	NS
Ferrous Iron	mg/l	0	0	0	0	NA	0.0	0.0	0.0	NA	NA	NA	0.6	2.8	NA	NA	5.0	0.0	1.0	0.5	0.6	2.2	2.2	NS	NS
Dissolved Oxygen	mg/l	0.47	0.34	0.63	0.63	NA	0.89	0.40	0.26	NA	NA	NA	0.48	0.21	NA	NA	0.17	0.31	0.41	3.34	0.31	0.47	1.93	NS	NS
Redox Potential	mV	101.9	97.4	73.8	73.8	NA	NA	61	-85	NA	NA	NA	124.6	-17.6	NA	NA	NA	60	62	-40	69	22	-279.2	NS	NS

Notes:
1. * Detection in laboratory Method Blank
2. NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard.
3. NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit.
4. NS = no standard
5. µg/L = micrograms per liter (equivalent to parts per billion, ppb)
6. mg/L = milligrams per liter (equivalent to parts per million, ppm)
7. ng/L = nanograms per liter (equivalent to parts per trillion, ppt)
8. °C = degress Celcius
9. mV = millivolts
10. NA = Not Analyzed
11. Q = Results are qualified due to uncertainty of concentration reported between Limit of Detection and Limit of Quantification
12. Exceedances: **bold, box** = Concentration exceeds NR 140 ES
bold, italics = Concentration exceeds NR 140 PAL

Table 3B
Groundwater Quality Data (Former 3901 N. 2nd Street - North Half Parcel)
Capitol Crossing Redevelopment Project, Milwaukee, Wisconsin
Sigma Project No. 9841

Well ID:		MW-9											MW-10											NR 140	NR 140
Analytes	Date	04/08/04	08/09/04	11/19/04	03/21/05	09/22/05	03/17/06	09/27/06	05/15/07	10/19/07	05/22/08	11/14/08	04/08/04	08/09/04	11/19/04	03/21/05	09/22/05	03/17/06	09/27/06	05/15/07	10/19/07	05/22/08	11/14/08	**ES**	**PAL**
Dissolved RCRA Metals																									
Arsenic	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10	1
Barium	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,000	400
Cadmium	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	0.5
Chromium	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100	10
Lead	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15	1.5
Mercury	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2	0.2
Selenium	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50	10
Silver	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50	10
PVOCs/Detected VOCs																									
Benzene	µg/L	<0.50	<0.41	<0.41	<0.41	<0.26	<0.26	<0.47	<0.47	<0.47	<0.24	<0.24	<0.41	<0.41	NA	NA	<0.26	NA	<0.47	NA	<0.47	NA	<0.24	5	0.5
Chloromethane	µg/L	<0.60	<0.24	<0.24	<0.24	<1.1	<1.1	<1	<1	<1	<0.5	<0.5	<0.24	<0.24	NA	NA	<1.1	NA	<1	NA	<1	NA	<0.5	3	0.3
1,1-Dichloroethane	µg/L	5.0	5.7	4.8	5.0	3.7	3.4	3.9	3.6	4.1	4.1	2.72	<0.75	<0.75	NA	NA	<0.91	NA	<0.56	NA	<0.56	NA	<0.59	850	85
1,1-Dichloroethene	µg/L	***0.88***	***1.1***	***1.3***	***1.0 Q***	***1.6***	***4.0***	***2.04***	***1.02 Q***	***2.04***	***0.88 Q***	***1.56 Q***	<0.57	<0.57	NA	NA	<0.2	NA	<0.3	NA	<0.64	NA	<0.5	7	0.7
cis-1,2-Dichloroethene	µg/L	<0.83	<0.83	<0.83	<0.83	<0.27	<0.27	<0.68	<0.68	<0.68	<0.44	<0.44	<0.83	<0.83	NA	NA	<0.27	NA	<0.68	NA	<0.68	NA	<0.44	70	7
trans-1,2-Dichloroethene	µg/L	<0.89	<0.89	<0.89	<0.89	<0.4	<0.4	<0.95	<0.95	<0.95	<0.61	<0.61	<0.89	<0.89	NA	NA	<0.4	NA	<0.95	NA	<0.95	NA	<0.61	100	20
Dichlorodiflluoromethane	µg/L	<0.99	<0.99	<0.99	<0.99	<0.2	<0.2	<0.5	<0.46	<0.46	<0.76	<0.76	<0.99	<0.99	NA	NA	<0.2	NA	<0.5	NA	<0.46	NA	<0.76	1,000	200
Ethylbenzene	µg/L	<0.54	<0.54	<0.54	<0.54	<0.3	<0.3	<0.38	<0.38	<0.38	<0.35	<0.35	<0.54	<0.54	NA	NA	<0.3	NA	<0.38	NA	<0.38	NA	<0.35	700	140
Fluorotrichloromethane	µg/L	<0.79	<0.79	<0.79	<0.79	<0.48	<0.48	<0.61	<0.61	<0.61	<0.81	<0.81	<0.79	<0.79	NA	NA	<0.48	NA	<0.61	NA	<0.61	NA	<0.81	3490	698
Methyl-tert-butyl-ether	µg/L	<0.61	<0.61	<0.61	<0.61	<0.36	<0.36	<0.52	<0.52	<0.52	<0.7	<0.7	<0.61	<0.61	NA	NA	<0.36	NA	<0.52	NA	<0.52	NA	<0.7	60	12
Tetrachloroethene	µg/L	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.52	<0.52	<0.52	<0.5	<0.5	<0.45	<0.45	NA	NA	<0.45	NA	<0.52	NA	<0.52	NA	<0.5	5	0.5
Toluene	µg/L	<0.67	<0.67	<0.67	<0.67	<0.52	<0.52	<0.59	<0.46	<0.46	<0.39	<0.39	<0.67	<0.67	NA	NA	<0.52	NA	<0.59	NA	<0.46	NA	<0.39	1,000	200
Trichloroethene	µg/L	<0.48	<0.48	<0.48	<0.48	<0.37	<0.37	<0.44	<0.44	<0.44	<0.47	<0.47	<0.48	<0.48	NA	NA	<0.37	NA	<0.44	NA	<0.44	NA	<0.47	5	0.5
1,1,1-Trichloroethane	µg/L	***46***	***83***	***86***	***74***	***92***	***62***	***95***	***76***	***124***	***81***	***50***	<0.90	<0.90	NA	NA	<0.42	NA	<0.5	NA	<0.5	NA	<0.28	200	40
1,2,4-Trimethylbenzene	µg/L	<0.97	<0.97	<0.97	<0.97	<0.32	<0.32	<0.39	<1.2	<1.2	<0.51	<0.51	<0.97	<0.97	NA	NA	<0.32	NA	<0.39	NA	<1.2	NA	<0.51	NS	NS
1,3,5-Trimethylbenzene	µg/L	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<1.2	<0.37	<0.37	<0.23	<0.23	<0.83	<0.83	NA	NA	<0.83	NA	<1.2	NA	<0.37	NA	<0.23	NS	NS
Total Trimethylbenzene	µg/L	<1.80	<1.80	<1.80	<1.80	<1.15	<1.15	<1.59	<1.57	<1.59	<0.74	<0.74	<1.80	<1.80	NA	NA	<1.15	NA	<1.59	NA	<1.59	NA	<0.74	480	96
Xylenes, Total	µg/L	<2.63	<2.63	<2.63	<2.63	<1.17	<1.17	<1.42	<0.99	<0.99	<1.67	<1.67	<2.63	<2.63	NA	NA	<1.17	NA	<1.42	NA	<0.99	NA	<1.67	10,000	1,000
Vinyl Chloride	µg/L	<0.18	<0.18	<0.18	<0.18	**0.42 Q**	<0.16	<0.17	<0.2	**0.25 Q**	<0.2	<0.2	<0.18	<0.18	NA	NA	<0.16	NA	<0.17	NA	<0.2	NA	<0.2	0.2	0.02
PAHs																									
Acenaphthene	µg/L	NA	NA	NA	NA	<0.016	NA	<0.016	NA	<0.015	NA	<0.013	NA	NA	NA	NA	<0.016	<0.016	<0.016	<0.015	<0.015	NA	<0.013	NS	NS
Acenaphthylene	µg/L	NA	NA	NA	NA	<0.012	NA	<0.012	NA	<0.016	NA	<0.015	NA	NA	NA	NA	<0.012	<0.012	<0.012	<0.016	<0.016	NA	<0.015	NS	NS
Anthracene	µg/L	NA	NA	NA	NA	<0.013	NA	<0.013	NA	<0.013	NA	<0.014	NA	NA	NA	NA	<0.013	<0.013	<0.013	0.013 Q	<0.013	NA	<0.014	3000	600
Benz(a)anthracene	µg/L	NA	NA	NA	NA	<0.012	NA	<0.012	NA	<0.015	NA	<0.017	NA	NA	NA	NA	0.019 Q	<0.012	0.029 Q	0.058	<0.015	NA	0.030 Q	NS	NS
Benzo(a)pyrene	µg/L	NA	NA	NA	NA	<0.008	NA	<0.008	NA	<0.015	NA	<0.016	NA	NA	NA	NA	<0.008	<0.008	***0.020 Q***	***0.041 Q***	<0.015	NA	<0.016	0.2	0.02
Benzo(b)fluoranthene	µg/L	NA	NA	NA	NA	<0.009	NA	<0.009	NA	<0.014	NA	<0.01	NA	NA	NA	NA	0.018 Q	<0.009	***0.029***	***0.064***	<0.014	NA	***0.021 Q***	0.2	0.02
Benzo(ghi)perylene	µg/L	NA	NA	NA	NA	<0.01	NA	<0.01	NA	<0.015	NA	<0.02	NA	NA	NA	NA	<0.01	<0.01	0.036	0.030 Q	<0.015	NA	0.026 Q	NS	NS
Benzo(k)fluoranthene	µg/L	NA	NA	NA	NA	<0.009	NA	<0.009	NA	<0.023	NA	<0.023	NA	NA	NA	NA	<0.009	<0.009	0.012 Q	0.024 Q	<0.023	NA	<0.023	NS	NS
Chrysene	µg/L	NA	NA	NA	NA	<0.011	NA	<0.011	NA	<0.016	NA	<0.02	NA	NA	NA	NA	***0.026 Q***	<0.011	***0.021 Q***	***0.054***	<0.016	NA	<0.02	0.2	0.02
Dibenz(a,h)anthracene	µg/L	NA	NA	NA	NA	<0.009	NA	<0.009	NA	<0.015	NA	<0.012	NA	NA	NA	NA	<0.009	<0.009	<0.009	<0.015	<0.015	NA	<0.012	NS	NS
Fluoranthene	µg/L	NA	NA	NA	NA	<0.011	NA	<0.011	NA	<0.015	NA	<0.016	NA	NA	NA	NA	0.034 Q	<0.011	0.043	0.10	<0.015	NA	0.04 Q	400	80
Fluorene	µg/L	NA	NA	NA	NA	<0.015	NA	<0.015	NA	<0.019	NA	<0.015	NA	NA	NA	NA	<0.015	<0.015	<0.015	<0.019	<0.019	NA	<0.015	400	80
Indeno(1,2,3-cd)pyrene	µg/L	NA	NA	NA	NA	<0.015	NA	<0.015	NA	<0.014	NA	<0.013	NA	NA	NA	NA	<0.015	<0.015	0.016 Q	0.024 Q	<0.014	NA	<0.013	NS	NS
1-Methylnaphthalene	µg/L	NA	NA	NA	NA	<0.018	NA	<0.018	NA	<0.018	NA	<0.018	NA	NA	NA	NA	<0.018	<0.018	<0.018	<0.018	<0.018	NA	<0.018	NS	NS
2-Methylnaphthalene	µg/L	NA	NA	NA	NA	<0.021	NA	<0.021	NA	<0.021	NA	<0.016	NA	NA	NA	NA	<0.021	<0.021	<0.021	0.035 Q	<0.021	NA	<0.016	NS	NS
Naphthalene	µg/L	NA	NA	NA	NA	<0.028	NA	<0.028	NA	<0.018	NA	<0.015	NA	NA	NA	NA	0.029 Q	<0.028	<0.028	0.022 Q	0.021 Q	NA	<0.015	100	10
Phenanthrene	µg/L	NA	NA	NA	NA	<0.011	NA	<0.011	NA	<0.017	NA	<0.017	NA	NA	NA	NA	0.023 Q	<0.011	0.023 Q	0.050 Q	<0.017	NA	0.018 Q	NS	NS
Pyrene	µg/L	NA	NA	NA	NA	<0.01	NA	<0.01	NA	<0.015	NA	<0.016	NA	NA	NA	NA	0.027 Q	<0.01	0.042	0.084	<0.015	NA	0.04 Q	250	50
Dissolved Gasses																									
Ethane	ng/l	42	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS
Ethene	ng/l	310	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS
Methane	ug/l	0.77	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS
Biofeasibility Data																									
pH	IU	7	7	7	NA	7	7	7.9	8.2	7	7	6.0	7	7	NA	NA	7	7	8.8	8.1	7	7	6.5	NS	NS
Temperature	°C	NA	14.5	15.2	10.0	NA	9.7	15.8	10.8	16.1	10.3	15 .1	NA	14.6	NA	NA	NA	9.3	17.1	11.3	16.8	10.0	15.6	NS	NS
Ferrous Iron	mg/l	0	0	0	0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0	0	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	NS	NS
Dissolved Oxygen	mg/l	0.57	0.11	1.65	2.38	0.34	0.38	0.79	3.01	0.30	0.68	1.47	0.58	1.08	NA	NA	0.46	0.43	1.01	2.71	0.83	0.54	1.40	NS	NS
Redox Potential	mV	121.4	129.7	NA	74.8	NA	44	85	-54	139	99	-221.2	119.6	122.2	NA	NA	NA	136	63	-43	78	51	-237.8	NS	NS

Notes:
1. * Detection in laboratory Method Blank
2. NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard.
3. NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit.
4. NS = no standard
5. µg/L = micrograms per liter (equivalent to parts per billion, ppb)
6. mg/L = milligrams per liter (equivalent to parts per million, ppm)
7. ng/L = nanograms per liter (equivalent to parts per trillion, ppt)
8. °C = degress Celcius
9. mV = millivolts
10. NA = Not Analyzed
11. Q = Results are qualified due to uncertainty of concentration reported between Limit of Detection and Limit of Quantification
12. Exceedances: **bold, box** = Concentration exceeds NR 140 ES
bold, italics = Concentration exceeds NR 140 PAL

Table 3B
Groundwater Quality Data (Former 3901 N. 2nd Street - North Half Parcel)
Capitol Crossing Redevelopment Project, Milwaukee, Wisconsin
Sigma Project No. 9841

Well ID:		MW-11											MW-12			NR 140	NR 140
Analytes	Date	04/08/04	08/09/04	11/19/04	03/21/05	09/22/05	03/17/06	09/27/06	05/15/07	10/19/07	05/22/08	11/14/08	10/19/07	05/22/08	11/14/08	**ES**	**PAL**
Dissolved RCRA Metals																	
Arsenic	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10	1
Barium	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,000	400
Cadmium	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	0.5
Chromium	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100	10
Lead	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15	1.5
Mercury	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2	0.2
Selenium	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50	10
Silver	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50	10
PVOCs/Detected VOCs																	
Benzene	µg/L	<0.41	<0.41	<0.41	<0.41	<0.26	<0.26	<0.47	NA	<0.47	NA	<0.24	<0.47	<0.24	<0.24	5	0.5
Chloromethane	µg/L	<0.24	<0.24	<0.24	<0.24	<1.1	<1.1	<1	NA	<1	NA	<0.5	<1	<0.5	<0.5	3	0.3
1,1-Dichloroethane	µg/L	<0.75	<0.75	<0.75	<0.75	<0.91	<0.91	<0.56	NA	<0.56	NA	<0.59	<0.56	<0.59	<0.59	850	85
1,1-Dichloroethene	µg/L	<0.57	<0.57	<0.57	<0.57	<0.2	<0.2	<0.3	NA	<0.64	NA	<0.5	<0.64	<0.5	<0.5	7	0.7
cis-1,2-Dichloroethene	µg/L	<0.83	<0.83	<0.83	<0.83	<0.27	<0.27	<0.68	NA	<0.68	NA	<0.44	<0.68	<0.44	<0.44	70	7
trans-1,2-Dichloroethene	µg/L	<0.89	<0.89	<0.89	<0.89	<0.4	<0.4	<0.95	NA	<0.95	NA	<0.61	<0.95	<0.61	<0.61	100	20
Dichlorodiflluoromethane	µg/L	<0.99	2.4	3.2	2.5 Q	2.9	3.8	1.11 Q	NA	12	NA	9.4	<0.46	<0.76	<0.76	1,000	200
Ethylbenzene	µg/L	<0.54	<0.54	<0.54	<0.54	<0.3	<0.3	<0.38	NA	<0.38	NA	<0.35	<0.38	<0.35	<0.35	700	140
Fluorotrichloromethane	µg/L	1.0	2.2	2.4	1.2 Q	<0.48	1.8	0.80 Q	NA	7.9	NA	5.0	<0.61	<0.81	<0.81	3490	698
Methyl-tert-butyl-ether	µg/L	0.66	<0.61	<0.61	<0.61	0.53 Q	<0.36	<0.52	NA	<0.52	NA	<0.7	<0.52	<0.7	<0.7	60	12
Tetrachloroethene	µg/L	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.52	NA	<0.52	NA	<0.5	<0.52	<0.5	<0.5	5	0.5
Toluene	µg/L	<0.67	<0.67	<0.67	<0.67	<0.52	<0.52	<0.59	NA	<0.46	NA	<0.39	<0.46	<0.39	<0.39	1,000	200
Trichloroethene	µg/L	<0.48	<0.48	<0.48	<0.48	***2.5***	<0.37	<0.44	NA	<0.44	NA	<0.47	<0.44	<0.47	<0.47	5	0.5
1,1,1-Trichloroethane	µg/L	<0.90	<0.90	<0.90	<0.90	<0.42	<0.42	<0.5	NA	<0.5	NA	<0.28	<0.5	<0.28	<0.28	200	40
1,2,4-Trimethylbenzene	µg/L	<0.97	<0.97	<0.97	<0.97	<0.32	<0.32	<0.39	NA	<1.2	NA	<0.51	<1.2	<0.51	<0.51	NS	NS
1,3,5-Trimethylbenzene	µg/L	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<1.2	NA	<0.37	NA	<0.23	<0.37	<0.23	<0.23	NS	NS
Total Trimethylbenzene	µg/L	<1.80	<1.80	<1.80	<1.80	<1.15	<1.15	<1.59	NA	<1.59	NA	<0.74	<1.59	<0.74	<0.74	480	96
Xylenes, Total	µg/L	<2.63	<2.63	<2.63	<2.63	<1.17	<1.17	<1.42	NA	<0.99	NA	<1.67	<0.99	<1.67	<1.67	10,000	1,000
Vinyl Chloride	µg/L	<0.18	<0.18	<0.18	<0.18	<0.16	<0.16	<0.17	NA	<0.2	NA	<0.2	<0.2	<0.2	<0.2	0.2	0.02
PAHs																	
Acenaphthene	µg/L	NA	NA	NA	NA	<0.016	NA	<0.016	<0.015	<0.015	NA	<0.013	<0.015	NA	<0.013	NS	NS
Acenaphthylene	µg/L	NA	NA	NA	NA	<0.012	NA	<0.012	<0.016	<0.016	NA	<0.015	<0.016	NA	<0.015	NS	NS
Anthracene	µg/L	NA	NA	NA	NA	<0.013	NA	<0.013	<0.013	<0.013	NA	0.017 Q	<0.013	NA	<0.014	3000	600
Benz(a)anthracene	µg/L	NA	NA	NA	NA	0.013 Q	NA	0.39	0.016 Q	<0.015	NA	0.035 Q	<0.015	NA	<0.017	NS	NS
Benzo(a)pyrene	µg/L	NA	NA	NA	NA	<0.008	NA	***0.023 Q***	<0.015	<0.015	NA	<0.016	<0.015	NA	<0.016	0.2	0.02
Benzo(b)fluoranthene	µg/L	NA	NA	NA	NA	0.009 Q	NA	***0.037***	<0.014	<0.014	NA	***0.021 Q***	<0.014	NA	<0.01	0.2	0.02
Benzo(ghi)perylene	µg/L	NA	NA	NA	NA	<0.01	NA	0.029 Q	<0.015	<0.015	NA	0.023 Q	<0.015	NA	<0.02	NS	NS
Benzo(k)fluoranthene	µg/L	NA	NA	NA	NA	<0.009	NA	0.012 Q	<0.023	<0.023	NA	<0.023	<0.023	NA	<0.023	NS	NS
Chrysene	µg/L	NA	NA	NA	NA	0.014 Q	NA	***0.040***	<0.016	<0.016	NA	***0.033 Q***	<0.016	NA	<0.02	0.2	0.02
Dibenz(a,h)anthracene	µg/L	NA	NA	NA	NA	<0.009	NA	<0.009	<0.015	<0.015	NA	<0.012	<0.015	NA	<0.012	NS	NS
Fluoranthene	µg/L	NA	NA	NA	NA	0.030 Q	NA	0.11	0.027 Q	<0.015	NA	0.125	<0.015	NA	<0.016	400	80
Fluorene	µg/L	NA	NA	NA	NA	<0.015	NA	<0.015	<0.019	<0.019	NA	<0.015	<0.019	NA	<0.015	400	80
Indeno(1,2,3-cd)pyrene	µg/L	NA	NA	NA	NA	<0.015	NA	0.020 Q	<0.014	<0.014	NA	<0.013	<0.014	NA	<0.013	NS	NS
1-Methylnaphthalene	µg/L	NA	NA	NA	NA	<0.018	NA	<0.018	<0.018	<0.018	NA	<0.018	<0.018	NA	<0.018	NS	NS
2-Methylnaphthalene	µg/L	NA	NA	NA	NA	<0.021	NA	<0.021	0.026 Q	<0.021	NA	<0.016	<0.021	NA	<0.016	NS	NS
Naphthalene	µg/L	NA	NA	NA	NA	<0.028	NA	<0.028	0.018 Q	0.018 Q	NA	<0.015	0.023 Q	NA	<0.015	100	10
Phenanthrene	µg/L	NA	NA	NA	NA	0.029 Q	NA	0.060	<0.017	<0.017	NA	0.079	<0.017	NA	<0.017	NS	NS
Pyrene	µg/L	NA	NA	NA	NA	0.026 Q	NA	0.13	0.024 Q	<0.015	NA	0.11	<0.015	NA	<0.016	250	50
Dissolved Gasses																	
Ethane	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS
Ethene	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS
Methane	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS
Biofeasibility Data																	
pH	IU	7	7	7	NA	7	7	8.7	7.5	7.0	7	5.1	7	7	6.8	NS	NS
Temperature	°C	NA	11	15.3	9.7	NA	9.8	17.0	10.3	16.6	10.2	15.1	1 6.3	9.6	15.8	NS	NS
Ferrous Iron	mg/l	0	0	0	0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	NS	NS
Dissolved Oxygen	mg/l	0.34	0.26	0.98	0.33	0.57	0.36	0.61	3.22	0.27	0.74	0.98	1.19	0.62	2.41	NS	NS
Redox Potential	mV	80.6	142.7	NA	57.6	NA	94	99	-42	105	80	-246.7	179	94	-230.5	NS	NS

Notes:
1. * Detection in laboratory Method Blank
2. NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard.
3. NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit.
4. NS = no standard
5. µg/L = micrograms per liter (equivalent to parts per billion, ppb)
6. mg/L = milligrams per liter (equivalent to parts per million, ppm)
7. ng/L = nanograms per liter (equivalent to parts per trillion, ppt)
8. °C = degress Celcius
9. mV = millivolts
10. NA = Not Analyzed
11. Q = Results are qualified due to uncertainty of concentration reported between Limit of Detection and Limit of Quantification
12. Exceedances: **bold, box** = Concentration exceeds NR 140 ES
bold, italics = Concentration exceeds NR 140 PAL

Table 2A
Groundwater Elevation Data (Original 225 W. Capitol Drive Parcel)
Capitol Crossing Redevelopment Project, Milwaukee, Wisconsin
Sigma Project #9841

Well Identification	Ground Surface Elevation (feet MSL)	Top of Casing Elevation (feet MSL)	Screen Interval (feet bgs)	Depth to Groundwater (feet toc)	Depth to Groundwater (feet bgs)	Groundwater Elevation (feet MSL)	Date
MW-1	671.8	671.58	2 - 12	3.95	4.2	667.63	11/10/2003
Triad Well		Flush Mount		2.48	2.7	669.10	11/25/2003
				2.70	2.9	668.88	04/09/2004
				2.21	2.4	669.37	07/14/2004
				3.26	3.5	668.32	11/22/2004
				2.70	2.9	668.88	03/18/2005
				6.65	6.9	664.93	09/22/2005
				2.20	2.4	669.38	03/17/2006
				4.26	4.5	667.32	09/27/2006
				3.40	3.6	668.18	05/15/2007
	673.1	672.66	3.3 - 13.3	4.60	5.0	668.06	10/19/2007
				5.19	5.6	667.47	05/22/2008
				5.03	5.5	667.63	11/14/2008
MW-2	671.6	671.34	5 - 15	1.11	1.4	670.23	11/10/2003
Triad Well		Flush Mount		1.26	1.5	670.08	11/25/2003
				1.38	1.6	669.96	04/09/2004
				1.02	1.3	670.32	07/14/2004
				4.89	5.1	666.45	11/22/2004
				5.71	6.0	665.63	03/18/2005
				6.82	7.1	664.52	09/22/2005
				0.00	0.2	671.34	03/17/2006
				3.64	3.9	667.70	09/27/2006
				3.10	3.3	668.24	05/15/2007
	672.7	672.39	6.1 - 16.1	5.73	6.0	666.66	10/19/2007
				4.76	5.0	667.63	05/22/2008
				5.04	5.3	667.35	11/14/2008
SMW-1	671.0	670.68	3 - 13	6.52	6.9	664.16	10/15/2003
		Flush Mount		3.62	4.0	667.06	11/25/2003
				3.88	4.2	666.80	04/09/2004
				3.48	3.8	667.20	07/14/2004
				4.11	4.5	666.57	11/22/2004
				3.98	4.3	666.70	03/18/2005
				6.80	7.2	663.88	09/22/2005
				3.49	3.8	667.19	03/17/2006
				4.79	5.1	665.89	09/27/2006
			Well abandoned on 3/30/07 for site redevelopment work.				
SMW-2	671.8	671.63	3 - 13	7.53	7.7	664.10	10/15/2003
		Flush Mount		6.79	7.0	664.84	11/25/2003
				6.61	6.8	665.02	04/09/2004
				5.84	6.0	665.79	07/14/2004
				6.46	6.6	665.17	11/22/2004
				6.49	6.7	665.14	03/18/2005
				7.60	7.8	664.03	09/22/2005
				5.95	6.1	665.68	03/17/2006
				5.75	5.9	665.88	09/27/2006
			Well buried/lost between 4/26/07 and 5/4/07 during site redevelopment work.				
SMW-3	671.6	670.99	3 - 13	4.78	5.4	666.21	10/15/2003
		Flush Mount		2.28	2.9	668.71	11/25/2003
				2.18	2.8	668.81	04/09/2004
				1.12	1.7	669.87	07/14/2004
				3.03	3.6	667.96	11/22/2004
				2.22	2.8	668.77	03/18/2005
				7.19	7.8	663.80	09/22/2005
				0.00	0.6	670.99	03/17/2006
				3.69	4.3	667.30	09/27/2006
			Well buried/lost between 4/26/07 and 5/4/07 during site redevelopment work.				

Table 2A
Groundwater Elevation Data (Original 225 W. Capitol Drive Parcel)
Capitol Crossing Redevelopment Project, Milwaukee, Wisconsin
Sigma Project #9841

Well Identification	Ground Surface Elevation (feet MSL)	Top of Casing Elevation (feet MSL)	Screen Interval (feet bgs)	Depth to Groundwater (feet toc)	Depth to Groundwater (feet bgs)	Groundwater Elevation (feet MSL)	Date
PZ-1	671.7	671.54	30 - 35	dry	dry	dry	04/09/2004
		Flush Mount		dry	dry	dry	07/14/2004
				dry	dry	dry	11/22/2004
				dry	dry	dry	03/18/2005
				dry	dry	dry	09/22/2005
				dry	dry	dry	03/17/2006
				dry	dry	dry	09/27/2006
			Well buried/lost between 4/26/07 and 5/4/07 during site redevelopment work.				
SMW-4	671.8	671.14	3 - 13	7.59	8.2	663.55	10/15/2003
		Flush Mount		0.93	1.6	670.21	11/25/2003
				0.50	1.1	670.64	04/09/2004
				0.00	0.6	671.14	07/14/2004
				0.00	0.6	671.14	11/22/2004
				NM - under ice	---	---	03/18/2005
				0.28	0.9	670.86	09/22/2005
				0.00	0.6	671.14	03/17/2006
				2.54	3.2	668.60	09/27/2006
				2.50	3.1	668.64	05/15/2007
	672.7	672.18	3.9 - 13.9	2.86	3.3	669.32	10/19/2007
				3.29	3.8	668.89	05/22/2008
				3.24	3.7	668.94	11/14/2008
SMW-5	671.5	671.32	3 - 13	10.10	10.3	661.22	10/15/2003
		Flush Mount		1.63	1.8	669.69	11/25/2003
				1.45	1.6	669.87	04/09/2004
				0.80	1.0	670.52	07/14/2004
				2.65	2.8	668.67	11/22/2004
				2.05	2.2	669.27	03/18/2005
				5.24	5.4	666.08	09/22/2005
				0.30	0.5	671.02	03/17/2006
				3.00	3.2	668.32	09/27/2006
				3.30	3.5	668.02	05/15/2007
	672.2	671.65	3.7 - 13.7	3.90	4.5	667.75	10/19/2007
				3.95	4.5	667.70	05/22/2008
				4.18	4.8	667.47	11/14/2008

Notes: MSL = mean sea level
feet toc = feet below top of casing
feet bgs = feet below ground surface

Table 2B
Groundwater Elevation Data (Former 3901 N. 2nd Street - North Half Parcel)
Capitol Crossing Redevelopment Project, Milwaukee, Wisconsin
Sigma Project #9841

Well Identification	Ground Surface Elevation (feet MSL)	Top of Casing Elevation (feet MSL)	Screen Interval (feet bgs)	Depth to Groundwater (feet toc)	Depth to Groundwater (feet bgs)	Groundwater Elevation (feet MSL)	Date
MW-1	672.9	672.64	2 - 12	6.93	7.2	665.71	09/05/2003
Triad Well		Flush Mount		4.48	4.8	668.16	11/25/2003
				4.30	4.6	668.34	04/08/2004
				5.88	6.2	666.76	08/09/2004
				6.67	7.0	665.97	11/19/2004
				4.10	4.4	668.54	03/21/2005
				8.18	8.5	664.46	09/22/2005
				3.46	3.7	669.18	03/17/2006
				8.26	8.5	664.38	09/27/2006
MW-1R	672.6	671.99	3 - 13	4.28	4.9	667.71	05/15/2007
	673.1	672.53	3.5 - 13.5	4.95	5.5	667.58	10/19/2007
		Flush Mount		4.88	5.5	667.65	05/22/2008
				4.94	5.5	667.59	11/14/2008
PZ-2	673.0	672.62	25 - 30	5.77	6.1	666.85	04/08/2004
		Flush Mount		7.34	7.7	665.28	08/09/2004
				NM	---	---	11/19/2004
				7.21	7.6	665.41	03/21/2005
				9.97	10.3	662.65	09/22/2005
				5.81	6.2	666.81	03/17/2006
				9.53	9.9	663.09	09/27/2006
				7.15	7.5	665.47	05/15/2007
	673.2	672.37	25.2 - 30.2	7.03	7.8	665.34	10/19/2007
				7.65	8.4	664.72	05/22/2008
				8.24	9.0	664.13	11/14/2008
MW-2	672.6	672.39	2 - 12	7.05	7.3	665.34	09/05/2003
Triad Well		Flush Mount		5.18	5.4	667.21	11/25/2003
				3.82	4.1	668.57	04/08/2004
				5.77	6.0	666.62	08/09/2004
				NM	---	---	11/19/2004
				3.51	3.7	668.88	03/21/2005
				8.60	8.8	663.79	09/22/2005
				3.09	3.3	669.30	03/17/2006
				7.01	7.2	665.38	09/27/2006
				4.33	4.6	668.06	05/15/2007
	673.2		2.6 - 12.6	6.34	7.1	666.05	10/19/2007
				4.33	5.1	668.06	05/22/2008
				6.42	7.2	665.97	11/14/2008

Table 2B
Groundwater Elevation Data (Former 3901 N. 2nd Street - North Half Parcel)
Capitol Crossing Redevelopment Project, Milwaukee, Wisconsin
Sigma Project #9841

Well Identification	Ground Surface Elevation (feet MSL)	Top of Casing Elevation (feet MSL)	Screen Interval (feet bgs)	Depth to Groundwater (feet toc)	Depth to Groundwater (feet bgs)	Groundwater Elevation (feet MSL)	Date
MW-3	673.0	672.46	4 - 14	7.63	8.2	664.83	09/05/2003
Triad Well		Flush Mount		5.69	6.2	666.77	11/25/2003
				6.05	6.6	666.41	04/08/2004
				7.20	7.7	665.26	08/09/2004
				NM	---	---	11/19/2004
				5.76	6.3	666.70	03/21/2005
				7.76	8.3	664.70	09/22/2005
				5.08	5.6	667.38	03/17/2006
				7.42	8.0	665.04	09/27/2006
				6.95	7.5	665.51	05/15/2007
				6.70	7.2	665.76	10/19/2007
				7.02	7.6	665.44	05/22/2008
				7.19	7.7	665.27	11/14/2008
MW-4	672.5	672.01	3 - 13	8.08	8.5	663.93	09/05/2003
		Flush Mount		6.64	7.1	665.37	11/25/2003
				5.96	6.4	666.05	04/08/2004
				7.28	7.7	664.73	08/09/2004
				6.69	7.1	665.32	11/19/2004
				5.56	6.0	666.45	03/21/2005
				9.79	10.2	662.22	09/22/2005
				5.07	5.5	666.94	03/17/2006
				9.97	10.4	662.04	09/27/2006
				6.68	7.1	665.33	05/15/2007
	672.7		3.2 - 13.2	6.48	7.2	665.53	10/19/2007
				6.47	7.2	665.54	05/22/2008
				6.69	7.4	665.32	11/14/2008
PZ-3	672.2	671.79	25 - 30	12.18	12.6	659.61	05/15/2007
	672.5		25.3 - 30.3	7.85	8.6	663.94	10/19/2007
				9.48	10.2	662.31	05/22/2008
				11.18	11.9	660.61	11/14/2008
		Flush Mount					
MW-5	674.1	673.83	2.5 - 12.5	7.18	7.5	666.65	09/05/2003
		Flush Mount		4.69	5.0	669.14	11/25/2003
				4.83	5.1	669.00	04/08/2004
				5.97	6.2	667.86	08/09/2004
				NM	---	---	11/19/2004
				4.81	5.1	669.02	03/21/2005
				7.85	8.1	665.98	09/22/2005
				4.26	4.5	669.57	03/17/2006
				7.36	7.6	666.47	09/27/2006
	671.9	< interim grade during construction		5.38	3.4	668.45	05/15/2007
	672.6	672.37	1 - 11	4.02	4.3	668.35	10/19/2007
				4.14	4.4	668.23	05/22/2008
				4.73	5.0	667.64	11/14/2008

Table 2B
Groundwater Elevation Data (Former 3901 N. 2nd Street - North Half Parcel)
Capitol Crossing Redevelopment Project, Milwaukee, Wisconsin
Sigma Project #9841

Well Identification	Ground Surface Elevation (feet MSL)	Top of Casing Elevation (feet MSL)	Screen Interval (feet bgs)	Depth to Groundwater (feet toc)	Depth to Groundwater (feet bgs)	Groundwater Elevation (feet MSL)	Date
PZ-1	674.1	673.84	22 - 27	21.54	21.8	652.30	09/05/2003
		Flush Mount		8.02	8.3	665.82	11/25/2003
				7.50	7.8	666.34	04/08/2004
				8.38	8.6	665.46	08/09/2004
				NM	---	---	11/19/2004
				8.01	8.3	665.83	03/21/2005
				9.04	9.3	664.80	09/22/2005
				6.00	6.3	667.84	03/17/2006
				9.10	9.4	664.74	09/27/2006
	671.8	< interim grade during construction		7.18	5.1	666.66	05/15/2007
	672.6	671.98	20.5 - 25.5	1.03	1.6	670.95	10/19/2007
				4.96	5.6	667.02	05/22/2008
				5.97	6.6	666.01	11/14/2008
MW-6	672.7	672.35	3 - 13	5.94	6.3	666.41	09/05/2003
		Flush Mount		3.36	3.7	668.99	11/25/2003
				3.45	3.8	668.90	04/08/2004
				4.86	5.2	667.49	08/09/2004
				5.20	5.6	667.15	11/19/2004
				3.20	3.6	669.15	03/21/2005
				6.97	7.3	665.38	09/22/2005
				3.11	3.5	669.24	03/17/2006
				5.64	6.0	666.71	09/27/2006
				4.41	4.8	667.94	05/15/2007
	672.7		3 - 13	4.44	4.8	667.91	10/19/2007
				4.59	4.9	667.76	05/22/2008
				4.78	5.1	667.57	11/14/2008
MW-7	673.8	673.44	3 - 13	6.28	6.6	667.16	09/05/2003
		Flush Mount		3.23	3.6	670.21	11/25/2003
				3.18	3.5	670.26	04/08/2004
				4.38	4.7	669.06	08/09/2004
				5.00	5.4	668.44	11/19/2004
				3.23	3.6	670.21	03/21/2005
				6.61	7.0	666.83	09/22/2005
				3.31	3.7	670.13	03/17/2006
				5.36	5.7	668.08	09/27/2006
				3.85	4.2	669.59	05/15/2007
				NM	NM	NM	10/19/2007
				NM	NM	NM	05/22/2008
				NM	NM	NM	11/14/2008

Table 2B
Groundwater Elevation Data (Former 3901 N. 2nd Street - North Half Parcel)
Capitol Crossing Redevelopment Project, Milwaukee, Wisconsin
Sigma Project #9841

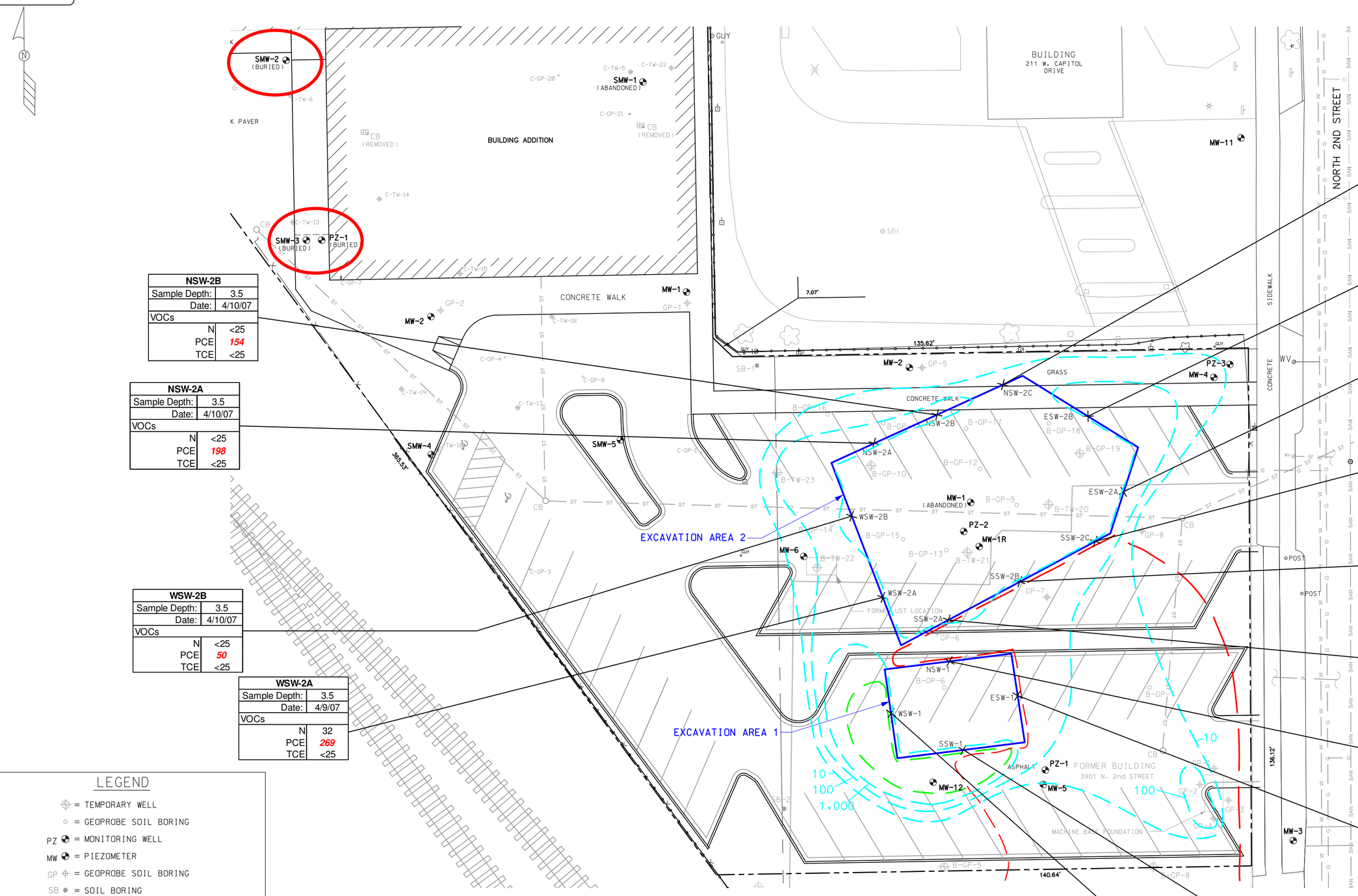
Well Identification	Ground Surface Elevation (feet MSL)	Top of Casing Elevation (feet MSL)	Screen Interval (feet bgs)	Depth to Groundwater (feet toc)	Depth to Groundwater (feet bgs)	Groundwater Elevation (feet MSL)	Date
MW-8	672.2	671.85	3 - 13	6.25	6.6	665.60	04/08/2004
		Flush Mount		6.63	7.0	665.22	08/09/2004
				NM	---	---	11/19/2004
				5.91	6.3	665.94	03/21/2005
				6.85	7.2	665.00	09/22/2005
				5.99	6.4	665.86	03/17/2006
				6.69	7.1	665.16	09/27/2006
				6.33	6.7	665.52	05/15/2007
				6.40	6.8	665.45	10/19/2007
				6.49	6.9	665.36	05/22/2008
				6.49	6.9	665.36	11/14/2008
MW-9	671.7	671.30	3 - 13	7.20	7.6	664.10	04/08/2004
		Flush Mount		7.46	7.9	663.84	08/09/2004
				7.41	7.9	663.89	11/19/2004
				6.92	7.4	664.38	03/21/2005
				6.50	6.9	664.80	09/22/2005
				6.80	7.2	664.50	03/17/2006
				7.02	7.5	664.28	09/27/2006
				7.24	7.7	664.06	05/15/2007
				6.61	7.1	664.69	10/19/2007
				7.31	7.8	663.99	05/22/2008
				6.93	7.4	664.37	11/14/2008
MW-10	671.3	671.02	3 - 13	7.30	7.6	663.72	04/08/2004
		Flush Mount		7.57	7.9	663.45	08/09/2004
				NM	---	---	11/19/2004
				7.04	7.4	663.98	03/21/2005
				7.60	7.9	663.42	09/22/2005
				7.02	7.3	664.00	03/17/2006
				7.48	7.8	663.54	09/27/2006
				7.44	7.8	663.58	05/15/2007
				7.19	7.5	663.83	10/19/2007
				7.47	7.8	663.55	05/22/2008
				7.40	7.7	663.62	11/14/2008
MW-11	671.8	671.44	4.5 - 14.5	6.77	7.1	664.67	04/08/2004
		Flush Mount		7.50	7.8	663.94	08/09/2004
				7.56	7.9	663.88	11/19/2004
				6.42	6.7	665.02	03/21/2005
				8.10	8.4	663.34	09/22/2005
				6.09	6.4	665.35	03/17/2006
				7.02	7.3	664.42	09/27/2006
				7.77	8.1	663.67	05/15/2007
				7.15	7.5	664.29	10/19/2007
				7.27	7.6	664.17	05/22/2008
				7.01	7.3	664.43	11/14/2008

Table 2B
Groundwater Elevation Data (Former 3901 N. 2nd Street - North Half Parcel)
Capitol Crossing Redevelopment Project, Milwaukee, Wisconsin
Sigma Project #9841

Well Identification	Ground Surface Elevation (feet MSL)	Top of Casing Elevation (feet MSL)	Screen Interval (feet bgs)	Depth to Groundwater (feet toc)	Depth to Groundwater (feet bgs)	Groundwater Elevation (feet MSL)	Date
MW-12	673.1	672.80	3 - 13	4.31	4.6	668.49	10/19/2007
				4.40	4.7	668.40	05/22/2008
				5.09	5.3	667.71	11/14/2008

Notes:
MSL = mean sea level
feet toc = feet below top of casing
feet bgs = feet below ground surface
NM = not measured

IMPROPERLY ABANDONED MONITORING WELL



NSW-2B	
Sample Depth:	3.5
Date:	4/10/07
VOCs	
N	<25
PCE	***154***
TCE	<25

NSW-2A	
Sample Depth:	3.5
Date:	4/10/07
VOCs	
N	<25
PCE	***198***
TCE	<25

WSW-2B	
Sample Depth:	3.5
Date:	4/10/07
VOCs	
N	<25
PCE	***50***
TCE	<25

WSW-2A	
Sample Depth:	3.5
Date:	4/9/07
VOCs	
N	32
PCE	***269***
TCE	<25

NSW-2C	
Sample Depth:	3.5
Date:	4/10/07
VOCs	
N	<25
PCE	***51***
TCE	<25

ESW-2B	
Sample Depth:	3.5
Date:	4/10/07
VOCs	
N	<25
PCE	***137***
TCE	<25

ESW-2A	
Sample Depth:	3.5
Date:	4/10/07
VOCs	
N	<25
PCE	***530***
TCE	<25

SSW-2C	
Sample Depth:	3.5
Date:	4/10/07
VOCs	
N	<25
PCE	***620***
TCE	<25

SSW-2B	
Sample Depth:	3.5
Date:	4/9/07
VOCs	
N	<25
PCE	***740***
TCE	<25

SSW-2A	
Sample Depth:	3.5
Date:	4/9/07
VOCs	
N	<25
PCE	***52***
TCE	<25

NSW-1	
Sample Depth:	3.5
Date:	4/9/07
VOCs	
N	<25
PCE	***490***
TCE	<25

ESW-1	
Sample Depth:	3.5
Date:	4/9/07
VOCs	
N	<25
PCE	***283***
TCE	<25

WSW-1	
Sample Depth:	3.5
Date:	4/9/07
VOCs	
N	<25
PCE	***3,800***
TCE	***58***

SSW-1	
Sample Depth:	3.5
Date:	4/9/07
VOCs	
N	<25
PCE	***7,100***
TCE	<25

LEGEND

- = TEMPORARY WELL
- = GEOPROBE SOIL BORING
- PZ = MONITORING WELL
- MW = PIEZOMETER
- GP = GEOPROBE SOIL BORING
- SB = SOIL BORING
- WV = WATER VALVE
- = POWER POLE
- CB, CB = CATCH BASIN
- MH = MANHOLE
- = FENCE
- ST = UNDERGROUND STORM SEWER LINE
- G = UNDERGROUND GAS LINE
- SAN = UNDERGROUND SANITARY SEWER LINE
- W = UNDERGROUND WATER LINE
- = PROPERTY LINE
- = POST-EXCAVATION SOIL SAMPLE

SOIL IMPACTS

- = ESTIMATED PCE ISOCONCENTRATION CONTOUR (ug/Kg)
- = ESTIMATED EXTENT OF PCE IMPACTS > DIRECT CONTACT RCLs FOR NON-INDUSTRIAL LAND USE
- = ESTIMATED EXTENT OF PAH IMPACTS > DIRECT CONTACT RCLs FOR NON-INDUSTRIAL LAND USE

* FOR SOIL DATA COLLECTED DURING SITE INVESTIGATION, REFER TO SOIL QUALITY MAP (FIGURE 5) OF SIGMA'S JUNE 2006 REMEDIAL ACTION PLAN

ANALYTICAL KEY

N = NAPHTHALENE
PCE = TETRACHLOROETHENE
TCE = TRICHLOROETHENE
bold, italics = CONCENTRATION REPORTED ABOVE PROTECTION OF GROUNDWATER RCL
box = CONCENTRATION REPORTED ABOVE DIRECT CONTACT RCL FOR NON-INDUSTRIAL SITE

ALL CONCENTRATIONS REPORTED IN MICROGRAMS PER KILOGRAM (µg/kg)

THE SIGMA GROUP
Single Source. Sound Solutions.
www.thesigmagroup.com
1300 West Canal Street
Milwaukee, Wisconsin 53233
Phone: 414-643-4200
Fax: 414-643-4210

SCALE – 1" = 20' – 0" 0' 10' 20' 30' 40'

NO	DATE	REVISIONS	BY	APVD

	NAME:	DATE:
DRAWN BY:	JRM	7–31–07
DESIGNED BY:		
CHECKED BY:		
APPROVED BY:		

CAPITOL CROSSING REDEVELOPMENT PROJECT
225 W. CAPITOL DR. & NORTH HALF OF 3901 N. 2ND ST. MILWAUKEE, WI
REMEDIAL SOIL EXCAVATIONS MAP

DRAWING NUMBER
9841–010

FIGURE 3

K:\Williams Development\9841\9841-010.dwg, F3-RSEM, 2/17/2009 1:27:52 PM, Previous paper size (17.00 x 22.00 inches), 1:1

IMPROPERLY ABANDONED
MONITORING WELL

WELL CONSTRUCTION REPORTS

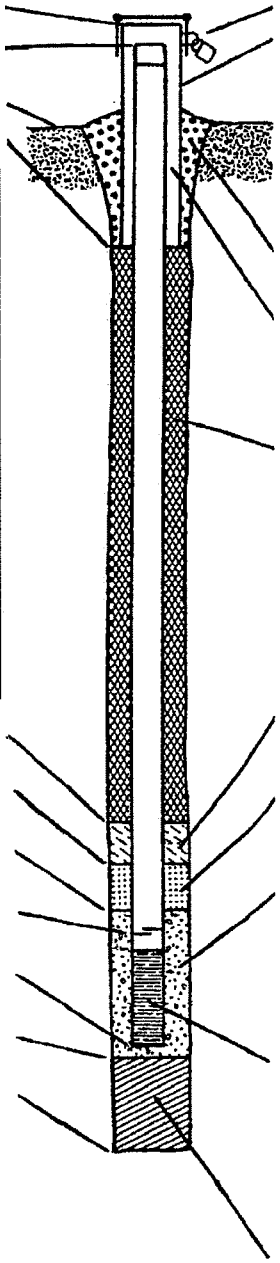
- Monitoring wells SMW-2, SMW-3, and PZ-1 on the original 225 W. Capitol Drive parcel were not abandoned in accordance with NR 141 regulations – well construction reports are attached for future reference.

IMPROPERLY ABANDONED MONITORING WELL

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

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

Facility/Project Name **City of Milwaukee - Capitol Dr.**	Local Grid Location of Well _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name **SMW-2**
Facility License, Permit or Monitoring Number _ _ _ _ _ _ _	Grid Origin Location Lat. _ _ _ _ _ Long. _ _ _ _ _ or St. Plane _____ ft. N, _____ ft. E.	Wis. Unique Well Number DNR Well Number 02 - 829
Type of Well Water Table Observation Well ☒ 11 Piezometer ☐ 12	Section Location of Waste/Source NE 1/4 of NE 1/4 of Sec. 8, T. 7 N, R. 22 ☒ E. ☐ W.	Date Well Installed 0 9 / 2 3 / 0 3 m m d d y y
Distance Well Is From Waste/Source Boundary ft.	Location of Well Relative to Waste/Source u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Well Installed By: (Person's Name and Firm) **Gestra Engineering- Dean**
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No		



A. Protective pipe, top elevation _ _ _ _ _ ft. MSL

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

C. Land surface elevation _ _ _ _ _ ft. MSL

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

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

13. Sieve analysis attached? ☐ Yes ☒ No

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

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

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of water (attach analysis):
_____

E. Bentonite seal, top _ _ _ _ _ ft. MSL or _ _ 0.5 ft.

F. Fine sand, top _ _ _ _ _ ft. MSL or _ _ 2.0 ft.

G. Filter pack, top _ _ _ _ _ ft. MSL or _ _ 2.5 ft.

H. Screen joint, top _ _ _ _ _ ft. MSL or _ _ 3.0 ft.

I. Well bottom _ _ _ _ _ ft. MSL or _ _ 13.0 ft.

J. Filter pack, bottom _ _ _ _ _ ft. MSL or _ _ 13.0 ft.

K. Borehole, bottom _ _ _ _ _ ft. MSL or _ _ 13.0 ft.

L. Borehole, diameter _ 8.25 in.

M. O.D. well casing _ 2.25 in.

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

1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: _ _ 8.00 in.
b. Length: _ 1.0 ft.
c. Material: Steel ☒ 04
_____ Other ☐
d. Additional protection? ☐ Yes ☐ No
If yes, describe: compression cap

3. Surface seal: Bentonite ☐ 30
Concrete ☒ 01
_____ Other ☐

4. Material between well casing and protective pipe:
Bentonite ☐ 30
Annular space seal ☐
Sand Other ☒

5. Annular space seal: a. Granular Bentonite ☐ 33
b. _____ Lbs/gal mud weight..Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. _____ % Bentonite ..... Bentonite-cement grout ☐ 50
e. _____ Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☐ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32
c. _____ Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. Handy Sand
b. Volume added _____ ft³

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

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

10. Screen material: PVC
a. Screen type: Factory cut ☒ 11
Continuous slot ☐ 01
_____ Other ☐
b. Manufacturer _____
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.

11. Backfill material (below filter pack): None ☒ 14
_____ Other ☐

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

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

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

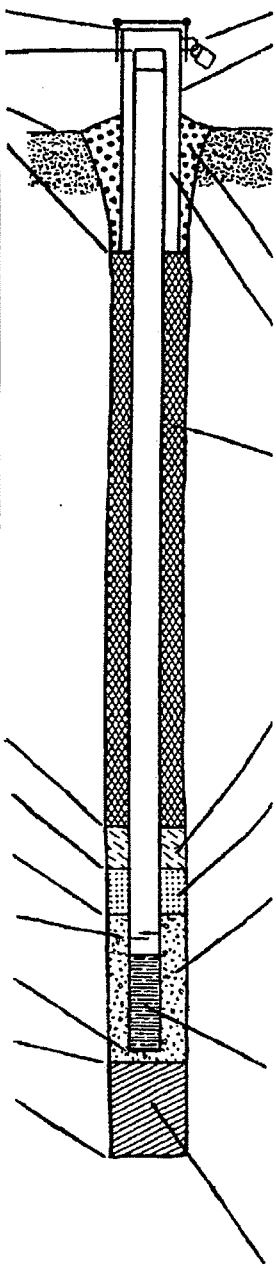
8110

IMPROPERLY ABANDONED MONITORING WELL

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

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

Facility/Project Name **City of Milwaukee - Capitol Dr.**	Local Grid Location of Well _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name **SMW-3**
Facility License, Permit or Monitoring Number _ _ _ _ _ _ _ _	Grid Origin Location Lat. _____ Long. _____ or	Wis. Unique Well Number DNR Well Number 02 - 830
Type of Well Water Table Observation Well ☒ 11 Piezometer ☐ 12	St. Plane _____ ft. N, _____ ft. E.	Date Well Installed 0 9 / 2 3 / 0 3 m m d d y y
Distance Well Is From Waste/Source Boundary ft.	Section Location of Waste/Source NE 1/4 of NE 1/4 of Sec. 8, T. 7 N, R. 22 ☒ E. ☐ W.	Well Installed By: (Person's Name and Firm) **Gestra Engineering- Dean**
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No	Location of Well Relative to Waste/Source u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	



A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

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

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

13. Sieve analysis attached? ☐ Yes ☒ No

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

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

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of water (attach analysis):
_____

E. Bentonite seal, top _____ ft. MSL or 0.5 ft.

F. Fine sand, top _____ ft. MSL or 2.0 ft.

G. Filter pack, top _____ ft. MSL or 2.5 ft.

H. Screen joint, top _____ ft. MSL or 3.0 ft.

I. Well bottom _____ ft. MSL or 13.0 ft.

J. Filter pack, bottom _____ ft. MSL or 13.0 ft.

K. Borehole, bottom _____ ft. MSL or 13.0 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.25 in.

N. I.D. well casing 2.00 in.

1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 8.00 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 04
_____ Other ☐
d. Additional protection? ☐ Yes ☐ No
If yes, describe: **compression cap**

3. Surface seal: Bentonite ☐ 30
Concrete ☒ 01
_____ Other ☐

4. Material between well casing and protective pipe:
Bentonite ☐ 30
Annular space seal ☐
Sand Other ☒

5. Annular space seal: a. Granular Bentonite ☐ 33
b. _____ Lbs/gal mud weight. Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. _____ % Bentonite ..... Bentonite-cement grout ☐ 50
e. _____ Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☐ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32
c. _____ Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. **Handy Sand**
b. Volume added _____ ft³

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

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

10. Screen material: **PVC**
a. Screen type: Factory cut ☒ 11
Continuous slot ☐ 01
_____ Other ☐
b. Manufacturer _____
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.

11. Backfill material (below filter pack): None ☒ 14
_____ Other ☐

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

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

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

8110

IMPROPERLY ABANDONED MONITORING WELL

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

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

Facility/Project Name: **City of Milwaukee - Capitol Dr.**	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: **PZ-1**
Facility License, Permit or Monitoring Number: _ _ _ _ _ _ _	Grid Origin Location: Lat. ___ ___ ___ Long. ___ ___ ___ or	Was Unique Well Number DNR Well Number
Type of Well: Water Table Observation Well ☐ 11; Piezometer ☒ 12	St. Plane ____ ft. N, ____ ft. E.	Date Well Installed: 0 3 / 0 3 / 0 4 (m m d d y y)
Distance Well Is From Waste/Source Boundary: ft.	Section Location of Waste/Source: NE 1/4 of NE 1/4 of Sec. 8, T. 7 N, R. 22 ☒ E. ☐ W.	Well Installed By: (Person's Name and Firm) **Badger Drilling**
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient; d ☐ Downgradient n ☐ Not Known	**Dean and Kevin**

A. Protective pipe, top elevation _ _ _ _ _ ft. MSL

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

C. Land surface elevation _ _ _ _ _ ft. MSL

D. Surface seal, bottom _ _ _ _ _ ft. MSL or 1.0 ft.

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

13. Sieve analysis attached? ☐ Yes ☐ No

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

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

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of water (attach analysis): _____

E. Bentonite seal, top _ _ _ _ _ ft. MSL or 1.0 ft.

F. Fine sand, top _ _ _ _ _ ft. MSL or 26.0 ft.

G. Filter pack, top _ _ _ _ _ ft. MSL or 28.0 ft.

H. Screen joint, top _ _ _ _ _ ft. MSL or 30.0 ft.

I. Well bottom _ _ _ _ _ ft. MSL or 35.0 ft.

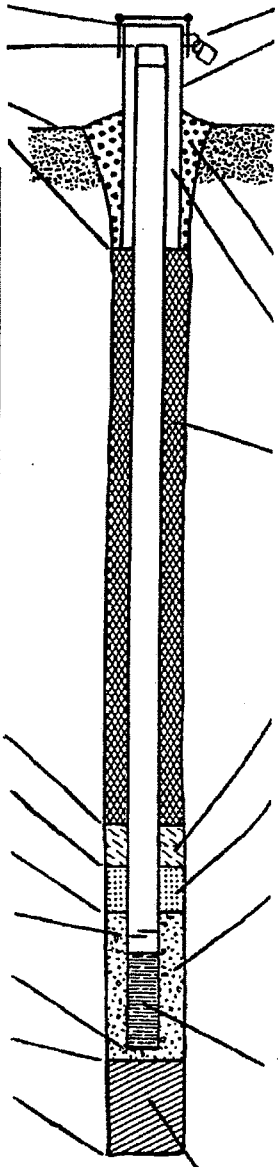
J. Filter pack, bottom _ _ _ _ _ ft. MSL or 35.0 ft.

K. Borehole, bottom _ _ _ _ _ ft. MSL or 35.0 ft.

L. Borehole, diameter 20.00 in.

M. O.D. well casing 2.40 in.

N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 9.00 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 04; Other ☐
d. Additional protection? ☒ Yes ☐ No
If yes, describe: **compression cap**

3. Surface seal: Bentonite ☐ 30; Concrete ☒ 01; Other ☒

4. Material between well casing and protective pipe: Bentonite ☐ 30; Annular space seal ☐; Other ☒
sand/ 10" steel casing 1'-20'

5. Annular space seal: a. Granular Bentonite ☐ 33
b. ____ Lbs/gal mud weight..Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. ____ % Bentonite ..... Bentonite-cement grout ☒ 50
e. ____ Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☐ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite pellets ☒ 32
c. _____ Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. **Ohio 40/60**
b. Volume added **1 bag** ft³

8. Filter pack material: Manufacturer, product name & mesh size
a. **Ohio #5**
b. Volume added **4.5 bags** ft³

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

10. Screen material: **PVC**
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐
b. Manufacturer _____
c. Slot size: 0.010 in.
d. Slotted length: 5.0 ft.

11. Backfill material (below filter pack): None ☒ 14; Other ☐

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

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

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

8110

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

Impacted Off-Source Property Information

Form 4400-246 (R 3/08)

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

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

BRRTS #: 02-41-547756

ACTIVITY NAME: Great Lake Fabrication

ID	Off-Source Property Address	Parcel Number	WTM X	WTM Y
A	201 W. Capitol Drive	273-1941-000	689933	292788
B				
C				
D				
E				
F				
G				
H				
I				

OFF-SOURCE
A
PROPERTY

SIGMA GROUP
Single Source. Sound Solutions.

February 17, 2009

Project Reference #9841

Mr. Bill Lauenstein
JP Morgan Chase
14900 W. Capitol Drive
Brookfield, WI 53005

CERTIFIED MAIL

Subject: Notice of Residual Chlorinated Solvent Groundwater Impacts
Bank Property Located at 211 W. Capitol Drive, Milwaukee, Wisconsin

Dear Mr. Lauenstein:

On behalf of Capitol Crossing, LLC (Capitol Crossing), Sigma Environmental Services, Inc. (Sigma) is notifying you that groundwater contamination that appears to have originated at the former 3901 N. 2nd Street – North Half parcel (now combined with the 225 W. Capitol Drive parcel), Milwaukee, Wisconsin, may have migrated onto the southeast corner of your property located at 211 W. Capitol Drive, Milwaukee, Wisconsin as shown in the enclosed Groundwater Quality Map. The concentrations of chlorinated solvents, specifically tetrachloroethene and cis-1,2-dichloroethene, in groundwater beneath the southeast corner of your property may exceed the state groundwater Enforcement Standards (ESs) found in Wisconsin Administrative Code (WAC), Chapter NR 140. (It is noted that groundwater samples collected from monitoring well MW-11 on your property have no contaminant concentrations above ESs found in WAC, Chapter NR 140.) However, the overall groundwater contaminant plume is stable or decreasing and will continue to naturally degrade over time. Sigma believes that allowing natural attenuation to complete the cleanup at this site will meet the requirements for case closure that are found in WAC, Chapter NR 726. Sigma will be requesting the Wisconsin Department of Natural Resources (WDNR) to accept natural attenuation as the final remedy for this site and grant case closure. Case closure means that the WDNR will not be requiring any further investigation or cleanup actions to be taken, other than reliance on natural attenuation.

Since the source of the groundwater contamination is not on your property, neither you nor any subsequent owner of your property will be held responsible for investigation or cleanup of this groundwater contamination, as long as you and any subsequent owners comply with the requirements of Wisconsin Statutes, Section 292.13, including allowing access to your property for environmental investigation or cleanup if access is required. To obtain a copy of the WDNR's publication #RR-589, "Fact Sheet #10: Guidance for Dealing with Properties Affected by Off-Site Contamination", you may visit http://www.dnr.wi.gov/org/rr/archives/pubs/RR589.pdf.

The WDNR will not review the case closure request for the former 3901 N. 2nd Street – North Half parcel for at least 30 days after the date of this letter. As an affected property owner, you have a right to contact the WDNR to provide any technical information that you may have that indicates that closure should not be granted for the site. If you would like to submit any information to the WDNR that is relevant to this closure request, you should mail that information to: Ms. Pam Mylotta, Wisconsin Department of Natural Resources, Remediation & Redevelopment Program, 2300 N. Dr. Martin Luther King Jr. Drive, Milwaukee, WI 53212.

OFF-SOURCE
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PROPERTY

If this case is closed, all properties within the site boundaries where groundwater contamination exceeds WAC, Chapter NR 140 ESs will be listed on the WDNR's 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 WAC, Chapter NR 140 ESs was found at the time that the case was closed. The GIS Registry is available to the general public on the WDNR's internet web site. Please review the enclosed deed and legal description for your property, and notify Sigma within the next 30 days if the legal description is incorrect.

Once the WDNR makes a decision on the case closure request for the former 3901 N. 2nd Street – North Half parcel, it will be documented in a letter. If the WDNR grants closure, you may obtain a copy of this letter by requesting a copy from Sigma, by writing to the WDNR at the address given above, or by accessing the WDNR GIS Registry of Closed Remediation Sites on the internet at http://www.dnr.wi.gov/org/aw/rr/gis/index.htm. A copy of the closure letter is included as part of the site file on the GIS Registry of Closed Remediation Sites.

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

If you need more information, you may contact Sigma at (414) 643-4200 or the WDNR at (414) 263-8500.

Sincerely,

SIGMA ENVIRONMENTAL SERVICES, INC.

Adam J Roder

Adam J. Roder, P.E.
Senior Engineer

Enclosures:
- Groundwater Quality Map
- Deed for 211 W. Capitol Drive, Milwaukee, Wisconsin
- WDNR Publication RR-671

cc: Mr. Chuck Biller – Capitol Crossing, LLC (letter only)

OFF-SOURCE
A
PROPERTY

DOCUMENT NO. REEL 1149 IMAG 983

STATE BAR OF WISCONSIN — FORM 2
WARRANTY DEED
THIS SPACE RESERVED FOR RECORDING DATA

5255212

REGISTER'S OFFICE
Milwaukee County, Wis. } SS
RECORDED AT 7:45 PM
SEP 28 1978
REEL 1149 IMAGE 983
Wilma A. Aurych
REGISTER OF DEEDS

W.E.S. Partnership

conveys and warrants to CAPITOL MARINE BANK,

RETURN TO John H. Lhost
Whyte & Hirschboeck, S. C.
2100 Marine Plaza, Milwaukee, WI
53202

the following described real estate in Milwaukee County, State of Wisconsin:

Part of Tax Key No. 273-1014

Parcel 1 of certified survey map No. 3440 being a division of part of Lots 2, 8, 15, 16, 17, 18, 19, 20 and 21 and all of Lots 3, 4, 5, 6, 7, 13 and 14 in Block 3 in North View, together with the portions of the vacated alley and vacated W. Melvina Street adjacent to said lots located in the Northeast 1/4 of Section 8, Town 7 North, Range 22 East, City of Milwaukee, Milwaukee County, Wisconsin, as recorded on Sept. 19, 1978 on Reel 1146, Image 1566 as Doc. No. 5252116.

This is a correction deed executed and delivered following the recording of the certified survey map.

FEE #77.25 (3)
EXEMPT

DOC # 5255212 #
RECORD 2.00

This non homestead property.
(is) (is not)

Exception to warranties: municipal and zoning ordinances and recorded easements for public utilities and recorded building restrictions.

Dated this 21st day of August, 1978

W. E. S., Partnership

(SEAL) George Werner, Partner (SEAL)
Donald Eckman, Partner
(SEAL) Kerry Shoemaker, Partner (SEAL)
Jacqueline Werner, Partner

AUTHENTICATION

Signatures authenticated this ..... day of ....., 19.....

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

THIS INSTRUMENT WAS DRAFTED BY

Attorney Thomas J. Drought

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

ACKNOWLEDGMENT

STATE OF WISCONSIN } ss.
Milwaukee County.

Personally came before me, this 21st day of August, 1978 the above named George Werner, Donald Eckman, Kerry Shoemaker and Jacqueline Werner

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

Katharine J. Gewalt
Katharine J. Gewalt
Notary Public Milwaukee County, Wis.
My Commission is ~~permanent~~. (If not, state expiration date: 8-15, 1982)

2.00

*Names of persons signing in any capacity should be typed or printed below their signatures.

WARRANTY DEED

STATE BAR OF WISCONSIN
FORM No. 2 — 1977

Wisconsin Legal Blank Co. Inc.
Milwaukee, Wis. (Job 32945)

OFF-SOURCE
A
PROPERTY

6
263

78-952

CERTIFIED SURVEY MAP NO. 3440

TAX KEY NO. 273-1014

Being a division of part of Lots 2, 8, 15, 16, 17, 18, 19, 20 and 21 and all of Lots 3, 4, 5, 6, 7, 13, and 14 in Block 3 in NORTH VIEW, together with the portions of the vacated alley and vacated W. Melvina Street adjacent to said lots located in the NORTHEAST 1/4 of SECTION 8, TOWN 7 NORTH, RANGE 22 EAST

CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN

0 50 100 150 200

SCALE: 1 INCH = 60 FEET

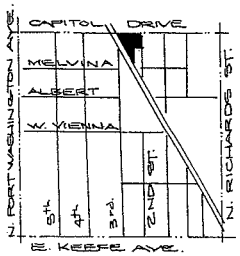
ALL LOT CORNERS ARE MARKED W/ 1" x 24" IRON PIPE, WEIGHING 1.13 LBS./LIN. FT. UNLESS OTHERWISE NOTED.

PREPARED BY:
W.G. NIENOW ENGINEERING
CIVIL ENGINEERS - LAND SURVEYORS

ZONING: I-A-85'

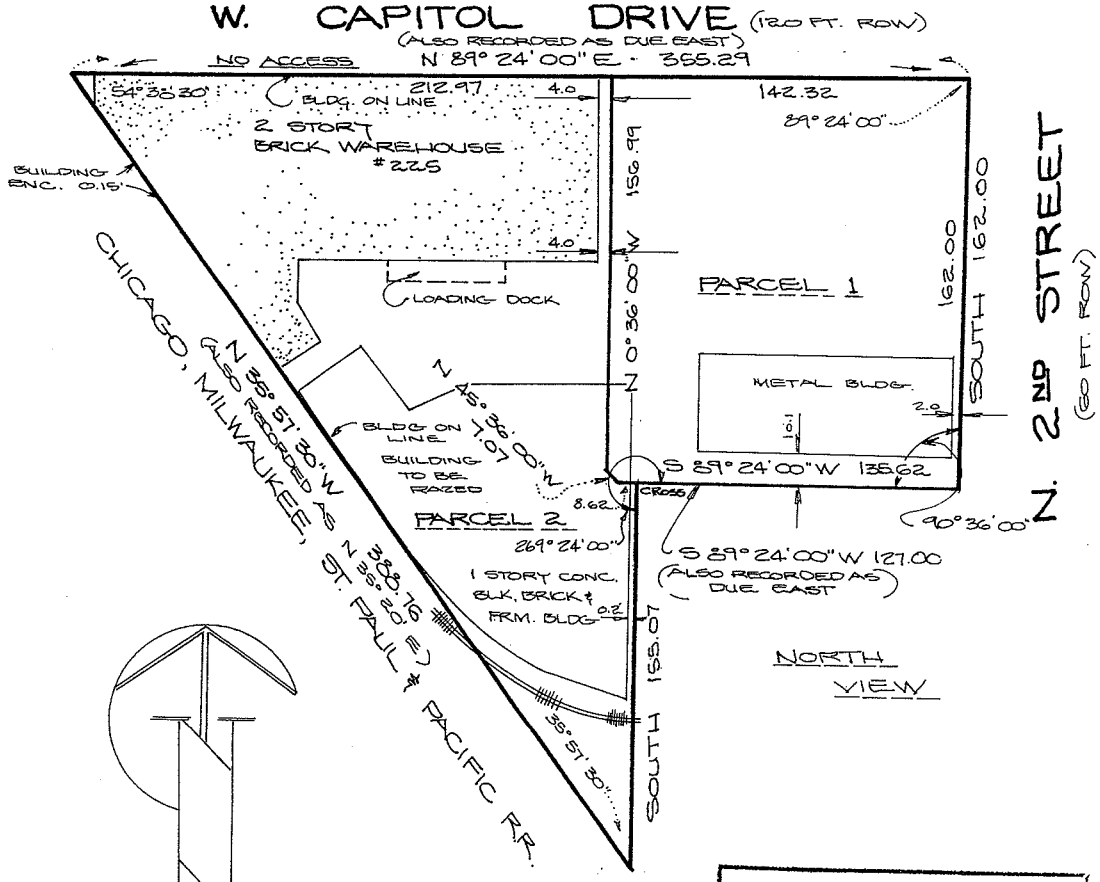
WISCONSIN
WALLACE G. NIENOW
S-175
MILWAUKEE, WIS.
LAND SURVEYOR

Wallace Nienow



LOCATION MAP
NORTHEAST 1/4 OF SEC. 8, T. 7 N., R 22 E.

SCALE 1 INCH = 2000 FT.



RECEIVED

AUG 4 1978

DEPT. OF CITY DEVELOPMENT

CITY FEE DEPOSITED
$15.00 B.O. 8/8/78

DEPT. OF CITY DEVELOPMENT OF MILWAUKEE

AUG 7 1978

STAFF APPROVED

BUREAU OF ENGINEERS
Harold G. Dinemark 9/1/78
CHIEF DRAFTSMAN
Gilbert Vosswinkel
ACT. ENGR. IN CHARGE SEWER ENGR. DIV.
CORRECT
Edward Fasyenk
CITY ENGINEER
APPROVED 9/6/78

Sheet 1 of 4 Sheets

OFF-SOURCE
A
PROPERTY

CERTIFIED SURVEY MAP NO._____

TAX KEY NO. _____

Being a division of part of Lots 2, 8, 15, 16, 17, 18, 19, 20, and 21 and all of Lots 3, 4, 5, 6, 7, 13, and 14 in Block 3 in NORTH VIEW together with the portions of the vacated alley and vacated W. Melvina Street adjacent to said lots

located in the NORTHEAST 1/4 OF SECTION 8, TOWN 7 NORTH, RANGE 22 EAST
CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN

SURVEYOR'S AFFIDAVIT

STATE OF WISCONSIN)
MILWAUKEE COUNTY) SS

I, WALLACE G. NIENOW, registered land surveyor, do hereby certify: That I have surveyed, divided and mapped a parcel of land located in the Northeast 1/4 of Section 8, Town 7 North, Range 22 East, said parcel being a division of a part of Lots 2, 8, 15, 16, 17, 18, 19, 20, and 21 and all of Lots 3, 4, 5, 6, 7, 13, and 14 in Block 3 in NORTH VIEW, together with the portions of the vacated alley and vacated W. Melvina Street adjacent to said lots in the City of Milwaukee, Milwaukee County, Wisconsin, bounded and more particularly described as follows:

Commencing at the point of intersection of the south line of W. Capitol Drive and the West line of N. 2nd Street as now laid out, said point being located 2.0 feet NORTH of the Southeast corner of Lot 2; thence SOUTH along the west line of N. 2nd Street 162.00 feet to a point; thence S 89° 24' 00" W measured (WEST described), and parallel to the south line of W. Capitol Drive 127.00 feet to a point; thence SOUTH 154.92 feet to a point in the Northeasterly line of the Chicago, Milwaukee and St. Paul and Pacific Railroad right of way; thence N 35° 57' 30" W measured, (N 35° 20' 00" W described), along said right-of-way line 388.76 feet to a point in the south line of W. Capitol Drive as now established; thence N 89° 24' 00" E measured, (EAST described) along said south line 355.29 feet to the point of commencement.

THAT I have made such survey, land division and map by the direction of W. E. S. PARTNERSHIP, owner of said land.

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

THAT I have fully complied with the provisions of Chapter 236 of the Wisconsin Statutes and Chapter 9 of the Milwaukee Code of Ordinances in surveying, dividing, and mapping the same.

Subscribed and sworn to before me
this 28TH day of August, 1980

David E. Oblack
Notary Public, Milwaukee, Wisconsin
My Commission expires March 7TH, 1981

NOTARY PUBLIC
DAVID E. OBLACK, JR.
STATE OF WISCONSIN

Wallace G. Nienow
Wallace G. Nienow
Registered Land Surveyor S-175

OWNER'S CERTIFICATE

AS OWNERS, we hereby certify that we have caused the land described on this map to be surveyed, divided, mapped and dedicated as represented on this map in accordance with the requirements of Section 9-8.5 of the City of Milwaukee Code of Ordinances.

WE also certify that this map is required by Section 236.10 of the Wisconsin Statutes (1965) to be approved by the following: City of Milwaukee.

In consideration of the approval of the map by the Common Council, the undersigned covenants and agrees to and with the City of Milwaukee that no lot or parcel, as hereon set forth, shall at any time subsequent to the recording of this map be in any manner divided, described, or conveyed so as to result in lots, parcels or building sites having dimensions, area, or courses other than as herein set forth, unless said divisions, descriptions or conveyances are first approved by the Common Council of the City of Milwaukee, and that such restrictions are binding on the undersigned, his, her, or their heirs and assigns. Such approval, however, shall not be required for the taking of land for public purposes.

OFF-SOURCE
A
PROPERTY

CERTIFIED SURVEY MAP NO._____

TAX KEY NO. 273-1014

Being a division of part of Lots 2, 8, 15, 16, 17, 18, 19, 20, and 21 and all of Lots 3, 4, 5, 6, 7, 13, and 14 in Block 3 in NORTH VIEW together with the portions of the vacated alley and vacated W. Melvina Street adjacent to said lots located in the NORTHEAST 1/4 OF SECTION 8, TOWN 7 NORTH, RANGE 22 EAST CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN

OWNERS' CERTIFICATE (Continued)

WITNESS the hand and seal of said owners this 4th day of August, 1978.

IN THE PRESENCE OF:

Kay Lynn Van Horn

Katharine J. Gewalt

W.E.S. Partnership

George A. Werner, Partner SEAL

Jacqueline A. Werner, Partner SEAL

Donald V. Eckman, Partner SEAL

Kerry S. Schoemaker, Partner SEAL

STATE OF WISCONSIN)
MILWAUKEE COUNTY) SS

PERSONALLY came before me this 4th day of August, 1978, the preceding named GEORGE A. WERNER, JACQUELINE A. WERNER, DONALD V. ECKMAN, and KERRY S. SCHOEMAKER, to me known to be the persons who executed the foregoing instrument and acknowledged the same.

Notary Public Geralyn F. Feltz
Milwaukee County, Wisconsin
My Commission expires Sept. 28, 1980
Geralyn F. Feltz

CONSENT OF CORPORATE MORTGAGEE

CAPITOL MARINE BANK, a corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin, mortgagee of the above described land, does hereby consent to the surveying, dividing, mapping, restricting and dedication of the land described in the foregoing affidavit of Wallace G. Nienow, surveyor, and does hereby consent to the above certificate of W.E.S. PARTNERSHIP, owner.

IN WITNESS WHEREOF, the said CAPITOL MARINE BANK, has caused these presents to be signed by LEONARD LAMERE, President, and countersigned by TERRY SUTTER, Vice President, at Milwaukee, Wisconsin, and its corporate seal to be hereunto affixed this 4th day of August, 1978.

IN THE PRESENCE OF:

Kay Lynn Van Horn

Katharine J. Gewalt

CAPITOL MARINE BANK

Leonard Lamere, President

Terry Sutter, Vice President

5252116

REGISTER'S OFFICE
Milwaukee County, Wis. } SS
RECORDED AT 9 40 AM
SEP 19 1978 156470
REEL 1146 IMAGE 1569 and

REGISTER OF DEEDS

DOC # 5252116 #
RECORD 6.10

Sheet 3 of 4 Sheets

OFF-SOURCE
A
PROPERTY

CERTIFIED SURVEY MAP NO._____

TAX KEY NO. 273-1014

Being a division of part of Lots 2, 8, 15, 16, 17, 18, 19, 20, and 21 and all of Lots 3, 4, 5, 6, 7, 13, and 14 in Block 3 in NORTH VIEW together with the portions of the vacated alley and vacated W. Melvina Street adjacent to said lots located in the NORTHEAST 1/4 OF SECTION 8, TOWN 7 NORTH, RANGE 22 EAST CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN

STATE OF WISCONSIN)
MILWAUKEE COUNTY) SS

PERSONALLY came before me this 4th day of August, 1978, LEONARD LAMERE, President, and TERRY SUTTER, Vice President, of the above named corporation, to me known to be the persons who executed the foregoing instrument and to me known to be such President and Vice President of said Corporation and acknowledged that they executed the foregoing instrument as such officers as the deed of said corporation by its authority.

Geralyn F. Feltz
Notary Public Geralyn F. Feltz
Milwaukee County, Wisconsin
My Commission expires Sept. 28, 1980

CERTIFICATE OF CITY TREASURER

STATE OF WISCONSIN)
MILWAUKEE COUNTY) SS

I, WAYNE F. WHITTOW, being the duly elected, qualified, and acting City Treasurer of the City of Milwaukee, do hereby certify that in accordance with the records in the office of the City Treasurer of the City of Milwaukee, there are no unpaid taxes or unpaid special assessments on any of the lands included in the preceding description of this certified survey map.

Date September 7, 1978

Wayne F. Whittow SEAL
Wayne F. Whittow, City Treasurer

COMMON COUNCIL RESOLUTION

RESOLVED, that the Certified Survey Map, being a division of part of the Northeast 1/4 of Section 8, Town 7 North, Range 22 East, in the City of Milwaukee, having been approved by the Department of City Development, be and the same is hereby approved by the Common Council.

Office of the City Clerk
Milwaukee SEP 15 1978

I hereby certify that the foregoing ~~is a copy of~~ Certified Survey Map was approved by a resolution adopted by the Common Council of the City of Milwaukee on SEP 12 1978.

Allen R. Ellison Jr. SEAL
City Clerk

Henry W. Maier SEAL
Mayor
City of Milwaukee

This instrument was drafted by: Wallace G. Nienow Sheet 4 of 4 Sheets

OFF-SOURCE
A
PROPERTY

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:

W. Lauenstein
14900 W Capitol Dr.
Brookfield, WI
53005

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X B. Wood
☐ Agent
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

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) 7008 0150 0001 6100 8353

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

UNITED STATES POSTAL SERVICE

First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

The Sigma Group
1300 W. Canal Street
Milwaukee, WI 53233

Williams Dev 9841-002 AJR 2/18/09

RIGHT-OF-WAY

THE SIGMA GROUP
Single Source. Sound Solutions.

February 17, 2009

Project Reference #9841

CERTIFIED MAIL

Mr. Jeffrey S. Polenske
City Engineer
Department of Public Works
Zeidler Municipal Building, Room 701
841 N. Broadway
Milwaukee, WI 53202

Mr. Ronald D. Leonhardt
Milwaukee City Clerk
City Hall, Room 205
200 E. Wells Street
Milwaukee, WI 53202

Subject: Notification of Contamination within N. 2nd Street Street Right-of-Way

Dear Mr. Polenske and Mr. Leonhardt:

On behalf of Capitol Crossing, LLC (Capitol Crossing), Sigma Environmental Services, Inc. (Sigma) is notifying the City of Milwaukee of the possible presence of residual chlorinated solvent impacts within groundwater located beneath N. 2nd Street near the former 3901 N. 2nd Street - North Half parcel. Groundwater sampling performed at on-site monitoring well MW-4 (near the road right-of-way; refer to enclosed "Groundwater Quality Map") suggests that groundwater impacts may extend off-site into the N. 2nd Street right-of-way. Wisconsin Administrative Code (WAC) Chapter NR 726.05(2)(b)4 requires the government agency responsible for maintaining a street right-of-way be given written notification of the presence of impacts found within the right-of-way. This letter serves as that notification.

Following is a summary of information that must be disclosed according to the Wisconsin Department of Natural Resources (WDNR):

County:	Milwaukee
Roadway:	N. 2nd Street
Site name:	Former 3901 N. 2nd Street - North Half
Site address:	3901 N. 2nd St. (formerly), now combined with 225 W. Capitol Dr. Milwaukee, WI 53212
WDNR BRRTS#:	02-41-547765

Owner's name: Capitol Crossing, LLC (contact: Mr. Chuck Biller)
Owner's address: 648 N. Plankinton Avenue, #418, Milwaukee, WI 53203
Consulting firm: Sigma Environmental Services, Inc.
Consultant contact: Adam J. Roder, P.E.
Consultant address: 1300 West Canal Street, Milwaukee, WI 53233
Phone and fax: (414) 643-4200 / (414) 643-4210
Email: aroder@thesigmagroup.com

Soil contamination: No
Depth to contaminated soil: Not applicable
Vertical extent of contaminated soil: Not applicable
Groundwater contamination: Yes
Depth to water table: Approximately 7.5 to 10 feet below ground surface
Description of contamination: Tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE)
Summary of cleanup activities: Approximately 1,698 tons of PCE-impacted soil were excavated from the former 3901 N. 2nd Street – North Half parcel in April 2007 and transported off-site for disposal at a licensed landfill. The site was subsequently capped with an asphalt parking lot. Four rounds of post-remediation groundwater samples have been collected from the monitoring well network between May 2007 and November 2008; data indicates that the chlorinated solvents are degrading over time. Natural attenuation of residual groundwater contamination is being proposed as an acceptable remedial strategy for the site.

Soil quality map: Attached, see "Remedial Soil Excavations Map"
Groundwater quality map: Attached, see "Groundwater Quality Map"

The WDNR will be making a final case closure determination in the coming months. As part of the closure process, the former 3901 N. 2nd Street - North Half parcel will be listed in the WDNR's Geographic Information System (GIS) database for properties with residual soil and groundwater contamination at the time of case closure. Due to the potential off-site groundwater impacts beneath the western edge of the N. 2nd Street right-of-way, the road may also be listed in the GIS Registry.

If future construction activities disturb groundwater or soil near the water table within the N. 2nd Street right-of-way as described above, or if soil or groundwater is to be otherwise extracted in the vicinity of this area, the soil or groundwater should be sampled and managed in compliance with applicable statutes and rules.

RIGHT-OF-WAY

If you have any questions or comments, please contact Sigma at (414) 643-4200.

Sincerely,

SIGMA ENVIRONMENTAL SERVICES, INC.

Adam J. Roder

Adam J. Roder, P.E..
Senior Engineer

Enclosures: Remedial Soil Excavations Map
Groundwater Quality Map

cc: Mr. Chuck Biller – Capitol Crossing, LLC (letter only)