

GIS REGISTRY
Cover Sheet

March 2010
(RR-5367)

Source Property Information

BRRTS #: 02-41-548432
ACTIVITY NAME: The Edge
PROPERTY ADDRESS: 1902 N. Commerce Street
MUNICIPALITY: Milwaukee
PARCEL ID #: 3541862000

CLOSURE DATE: Jul 25, 2011
FID #: 341200200
DATCP #:
COMM #:

***WTM COORDINATES:**

X: 690695 Y: 289110

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

WTM COORDINATES REPRESENT:

- Approximate Center Of Contaminant Source
 Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

Contaminated Media:

- Groundwater Contamination > ES (236)
 Contamination in ROW
 Off-Source Contamination
(note: for list of off-source properties see "Impacted Off-Source Property" form)
- Soil Contamination > *RCL or **SSRCL (232)
 Contamination in ROW
 Off-Source Contamination
(note: for list of off-source properties see "Impacted Off-Source Property" form)

Land Use Controls:

- N/A (Not Applicable)
 Soil: maintain industrial zoning (220)
(note: soil contamination concentrations between non-industrial and industrial levels)
 Structural Impediment (224)
 Site Specific Condition (228)
- Cover or Barrier (222)
(note: maintenance plan for groundwater or direct contact)
 Vapor Mitigation (226)
 Maintain Liability Exemption (230)
(note: local government unit or economic development corporation was directed to take a response action)

Monitoring Wells:

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

- Yes No N/A

** Residual Contaminant Level*

***Site Specific Residual Contaminant Level*

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

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

BRRTS #: 02-41-548432

PARCEL ID #: 3541862000

ACTIVITY NAME: The Edge Condominium Association, Inc.

WTM COORDINATES: X: 690695 Y: 289110

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

- Closure Letter**
- Maintenance Plan** (if activity is closed with a land use limitation or condition (land use control) under s. 292.12, Wis. Stats.)
- Conditional Closure Letter**
- Certificate of Completion (COC)** for VPLE sites

SOURCE LEGAL DOCUMENTS

- Deed:** The most recent deed as well as legal descriptions, for the **Source Property** (where the contamination originated). Deeds for other, off-source (off-site) properties are located in the **Notification** section.
Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.
- Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map. (lots on subdivided or platted property (e.g. lot 2 of xyz subdivision)).
Figure #: 09718112 Title: Certified Survey Map 7825
- 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.

- Location Map:** A map outlining all properties within the contaminated site boundaries on a U.S.G.S. topographic map or plat map in sufficient detail to permit easy location of all parcels. If groundwater standards are exceeded, include the location of all potable wells within 1200 feet of the site.
Note: Due to security reasons municipal wells are not identified on GIS Packet maps. However, the locations of these municipal wells must be identified on Case Closure Request maps.
Figure #: 1 Title: Site Location Map
- Detailed Site Map:** A map that shows all relevant features (buildings, roads, individual property boundaries, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding a ch. NR 140 Enforcement Standard (ES), and/or in relation to the boundaries of soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Levels (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.
Figure #: 2 Title: Site Layout
- Soil Contamination Contour Map:** For sites closing with residual soil contamination, this map is to show the location of all contaminated soil and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.
Figure #: 3 Title: Soil RCL Exceedances

BRRTS #: 02-41-548432

ACTIVITY NAME: The Edge Condominium Association, Inc.

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:

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 #: Title:

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

Figure #: Title:

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 #: C-1 and C-2 Title: **2004 Soil Sample Analytical Results and 2006 Laboratory Analytical Results for Soil**

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 #: E-1 and E-2 Title: **2004 Groundwater Sample Analytical Results and Lead and Arsenic in Groundwater**

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

Table #: Title:

IMPROPERLY ABANDONED MONITORING WELLS

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

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

Not Applicable

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

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

Figure #: 2 Title: Site Layout

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

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

Notification Letter: Copy of the notification letter to the affected property owner(s). Not Applicable

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NOTIFICATIONS

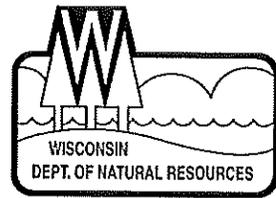
Source Property

- 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:
- 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:



July 25, 2011

Mr. John Grunau
The Edge Condominium Association, Inc.
1555 N. River Center Drive, Suite 209
Milwaukee, WI 53212

Subject: Final Case Closure with Continuing Obligations
The Edge, 1902 N. Commerce Street, Milwaukee, WI
WDNR BRRTS Activity #: 02-41-548432, FID#: 341200200

Dear Mr. Grunau:

On January 26, 2011, the Department reviewed the above referenced case for closure. The Department reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. Your consultant and legal representative were informed that additional information and documentation were needed to allow the Department to complete the review. On June 6, 2011, the Department received additional information to supplement the original case closure request. Specifically, a revised Cap Maintenance Plan, missing monitor well documentation, GIS Registry fees and GIS Registry packet modification were received.

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

GIS Registry

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

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

All site information, including the maintenance plan, is also on file at the Southeast Regional DNR office, at 2300 N. Dr. Martin Luther King, Jr. Drive, Milwaukee. This letter and information that was submitted with your closure request application, including the maintenance plan, will be included on the GIS Registry, in a PDF attachment. To review the sites on the GIS Registry web page, visit the RR Sites Map page at <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. If the property is listed on the GIS Registry because of remaining contamination and you intend to construct or reconstruct a well, you will need prior Department approval in accordance with s. NR 812.09(4) (w), Wis. Adm. Code. To obtain approval, Form 3300-254 needs to be

completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line at <http://dnr.wi.gov/org/water/dwg/3300254.pdf> or at the web address listed above for the GIS Registry.

Closure Conditions

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

Cover or Barrier

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

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

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

Prohibited Activities

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

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

Monitoring Wells that could not be Properly Abandoned

On June 6, 2011 your consultant AECOM notified the Department that monitoring wells MW-2 and MW-3 located on the subject property, shown 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 shown 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 MW-2 and MW-3, 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.

Chapter NR 140, Wis. Adm. Code Exemption

Recent groundwater monitoring data at this site indicates that for arsenic at MW-2 and MW-3, contaminant levels exceed the NR 140 preventive action limit (PAL) but are below the enforcement standard (ES). The Department may grant an exemption to a PAL for a substance of public health concern, other than nitrate, pursuant to s. NR 140.28(2)(b), Wis. Adm. Code, if all of the following criteria are met:

1. The measured or anticipated increase in the concentration of the substance will be minimized to the extent technically and economically feasible.
2. Compliance with the PAL is either not technically or economically feasible.
3. The enforcement standard for the substance will not be attained or exceeded at the point of standards application. [Note: at this site the point of standards application is all points where groundwater is monitored.]
4. Any existing or projected increase in the concentration of the substance above the background concentration does not present a threat to public health or welfare.

Based on the information you provided, the Department believes that these criteria have been or will be met, due to low levels of arsenic, the removal of a significant amount of potentially impacted soil from the site during redevelopment and the placement of a low permeability cover across the site (new building and pavement). Therefore, pursuant to s. NR 140.28, Wis. Adm. Code, an exemption to the PAL is granted for arsenic at MW-2 and MW-3. Please keep this letter, because it serves as your exemption.

Post-Closure Notification Requirements

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

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

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

The following DNR fact sheet, RR-819, "Continuing Obligations for Environmental Protection" has been included with this letter, to help explain a property owner's responsibility for continuing obligations on their property. If the fact sheet is lost, you may obtain a copy at <http://dnr.wi.gov/org/aw/rr/archives/pubs/RR819.pdf>.

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

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

Sincerely,



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

Attachments:

- Soil RCL Exceedances (residual soil contamination map): MW-2 and MW-3 locations shown.
- Photographs of MW-2, MW-3 locations
- Cap Maintenance Plan
- DNR Fact Sheet RR 819

cc: Kevin Brehm/Lanette Altenbach - AECOM
Bill Phelps, DG/5

LEGEND

- SITE PROPERTY LINE
- EXISTING PROPERTY LINE
- UNDERGROUND ELECTRIC
- UNDERGROUND CABLE TV
- SANITARY SEWER
- MANHOLE
- SANITARY MANHOLE
- POWER POLE
- WATER VALVE
- TELEPHONE PEDESTAL
- ELECTRIC PEDESTAL
- LIGHT POLE
- POWER/LIGHT POLE

P-B, 4-6'
 VOCs - BELOW STANDARDS
 PAHs - EXCEEDING
 INDUSTRIAL AND
 NON-INDUSTRIAL RCLs

EXTENT OF SOIL ABOVE RCLs

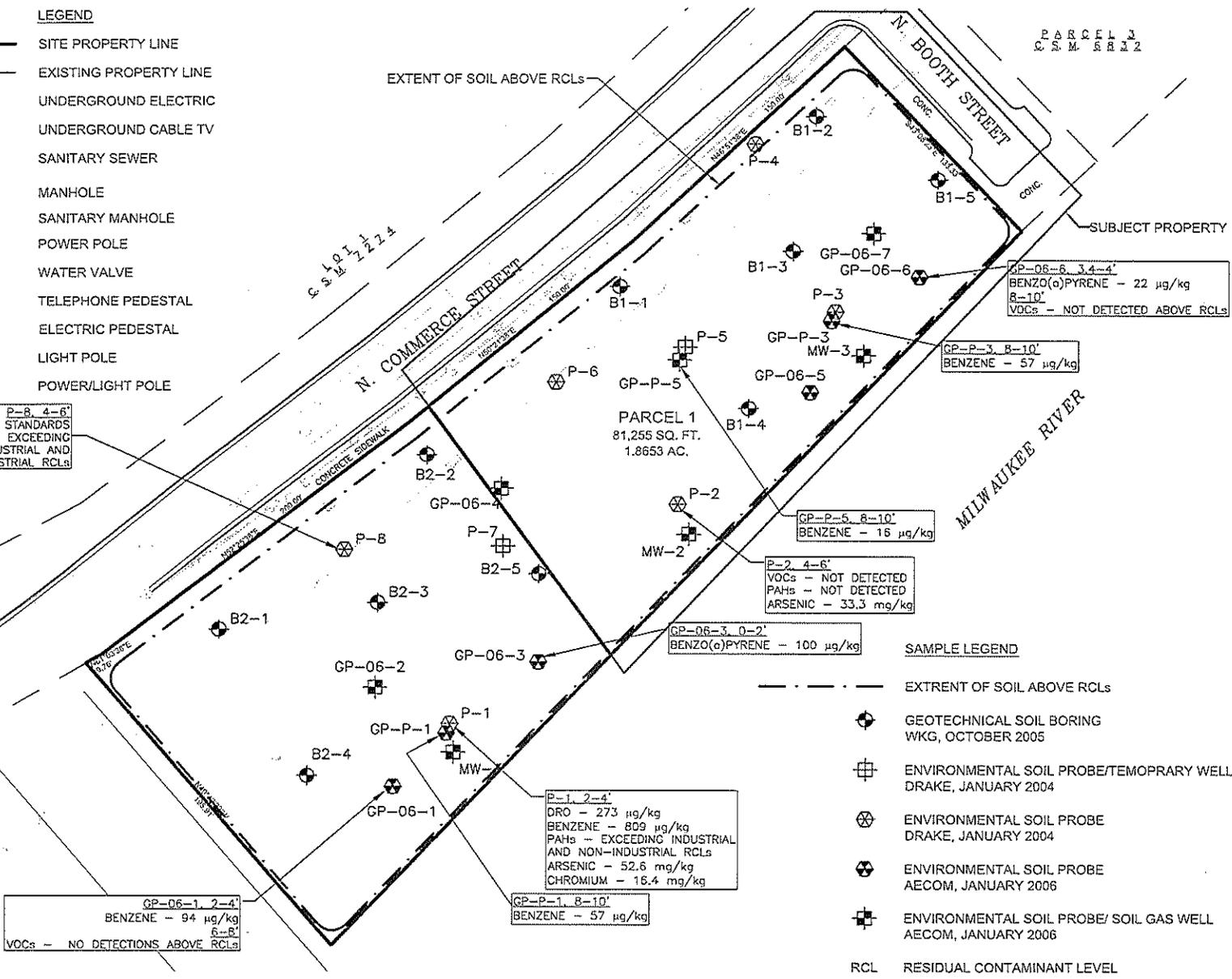
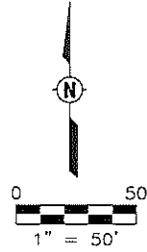
PARCEL 3
 C.S.M. 6832

AECOM

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 Milwaukee, WI 53224
 414.359.3030
 www.aecom.com
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SOIL RCL EXCEEDANCES
 THE EDGE CONDOMINIUMS
 1902 NORTH COMMERCE STREET
 MILWAUKEE, WISCONSIN

X:\p\10401\1014475\1014475-10N020505RE_RCL.dwg 11/1/2010 2:28:30 PM FENSOJLE SBAK STS.dwg



SAMPLE LEGEND

- EXTENT OF SOIL ABOVE RCLs
- ⊕ GEOTECHNICAL SOIL BORING WKG, OCTOBER 2005
- ⊕ ENVIRONMENTAL SOIL PROBE/TEMPORARY WELL DRAKE, JANUARY 2004
- ⊕ ENVIRONMENTAL SOIL PROBE DRAKE, JANUARY 2004
- ⊕ ENVIRONMENTAL SOIL PROBE AECOM, JANUARY 2006
- ⊕ ENVIRONMENTAL SOIL PROBE/ SOIL GAS WELL AECOM, JANUARY 2006
- RCL RESIDUAL CONTAMINANT LEVEL

GP-06-1, 2-4'
 BENZENE - 94 µg/kg
 6-8'
 VOCs - NO DETECTIONS ABOVE RCLs

P-1, 2-4'
 DRO - 273 µg/kg
 BENZENE - 809 µg/kg
 PAHs - EXCEEDING INDUSTRIAL
 AND NON-INDUSTRIAL RCLs
 ARSENIC - 52.6 mg/kg
 CHROMIUM - 16.4 mg/kg

GP-P-1, 8-10'
 BENZENE - 57 µg/kg

P-2, 4-6'
 VOCs - NOT DETECTED
 PAHs - NOT DETECTED
 ARSENIC - 33.3 mg/kg

GP-P-5, 8-10'
 BENZENE - 16 µg/kg

GP-06-3, 0-2'
 BENZO(a)PYRENE - 100 µg/kg

GP-P-3, 8-10'
 BENZENE - 57 µg/kg

GP-06-6, 3-4-4'
 BENZO(a)PYRENE - 22 µg/kg
 8-10'
 VOCs - NOT DETECTED ABOVE RCLs

Drawn:	CJH	2/9/2010
Checked:	LLA	2/9/2010
Approved:	LLA	2/9/2010
PROJECT NUMBER	60144475	
FIGURE NUMBER	3	



Monitoring Well MW-1 former location looking southeast.



Monitoring Well MW-1 former location looking east-northeast.



Monitoring Well MW-2 former location looking east-northeast.



Monitoring Well MW-2 former location looking east



Monitoring Well MW-3 former location looking east.



Monitoring Well MW-3 former location looking east.

CAP MAINTENANCE PLAN

November 22, 2010

Property Located at:

1902 N. Commerce Street, Milwaukee, Wisconsin

FID# ~~341129470~~, WDNR BRRTS/Activity #02-41-548432~~341 200200~~**Introduction**

This document is the Maintenance Plan for a building, pavement and landscaped cap at the above-referenced property in accordance with the requirements of s. NR Wisconsin Administrative Code. The maintenance activities relate to the existing building, pavement and landscaped cap occupying the area over the contaminated soil on-site.

More site-specific information about this property may be found in:

- The case file in the DNR Southeast regional office
- BRRTS on the Web (DNR's internet based data base of contaminated sites):
<http://botw.dnr.state.wi.us/botw/SetUpBasicSearchForm.do>
- GIS Registry PDF file for further information on the nature and extent of contamination:
<http://ldnrmaps.wisconsin.gov/limf/imfApplyTheme.jsp?index=1>; and
- The DNR project manager for County.

Description of Contamination

Soil contaminated by benzene and polycyclic aromatic hydrocarbons (PAHs) is located at a depth of 2 to 6 feet below the building's parking structure floor. The extent of the soil contamination is shown on the attached Figure B.

Description of the Cap to be Maintained

The building is a 6-story condominium with sublevel parking surrounded by sidewalks and pavement. A small area between the public sidewalk and curb is landscaped. The location of the different types of cap are illustrated in color on Figure B.

Barrier Purpose

The building, pavement, imported soil on the subject property over the contaminated soil serve as a barrier to prevent direct human contact with residual soil contamination that might otherwise pose a threat to human health. The building, pavement and imported soil cap also acts as a partial infiltration barrier to minimize future soil-to-groundwater contamination migration that would violate the groundwater standards in ch. NR 140, Wisconsin Administrative Code.

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

Annual Inspection

The building, pavement and landscaped cap overlying the soil and as depicted in Figure B will be inspected once a year, normally in the spring after all snow and ice is gone, for deterioration, cracks and other potential problems that can cause either additional infiltration into or exposure to underlying soils. The inspections will be performed by the property owner or their designated representative. The inspections will be performed to evaluate damage due to settling, exposure to the weather, wear from traffic, increasing age and other factors. Any area of the building or pavement where soils have become or are likely to become exposed and where infiltration from the surface will not be effectively minimized will be documented. A log of the inspections and any repairs will be maintained by the property owner and is included as Exhibit B, Cap Inspection Log. The log will include recommendations for necessary repair of any areas where underlying soils are exposed and where infiltration from the surface will not be effectively minimized. Once repairs are completed, they will be documented in the inspection log. A copy of the inspection log will be kept at the address of the property owner and available for submittal or inspection by Wisconsin Department of Natural Resources ("WDNR") representatives upon their request.

Maintenance Activities

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

In the event the building, pavement and landscaped cap overlying the soil are removed or replaced, the replacement barrier must be equally impervious. Any replacement barrier will be subject to the same maintenance and inspection guidelines as outlined in this Maintenance Plan unless indicated otherwise by the WDNR or its successor.

The property owner, in order to maintain the integrity of the building, pavement and landscaped cap will maintain a copy of this Maintenance Plan on-site and make it available to all interested parties (i.e. on-site employees, contractors, future property owners, etc.) for viewing.

Prohibition of Activities and Notification of WDNR Prior to Actions Affecting a Cover or Cap

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

Amendment or Withdrawal of Maintenance Plan

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



WDNR BRRTS # 02-41-548432

WDNR Site Name: The Edge

Contact Information

November 2010

1902 N. Commerce St. Site Owner and Operator:

The Edge Condominium Association, Inc.
c/o The Brewery Works, Inc.
1555 N. River Center Drive, #209
Milwaukee, WI 53212

Signature:



John Grunau

Consultant:

AECOM
11425 West Lake Park Drive, Milwaukee, WI 53224
414-359-3030

WDNR:

Pam Mylotta
2300 N. Dr. Martin Luther King, Jr. Drive, Milwaukee, WI 53212
414-263-8500

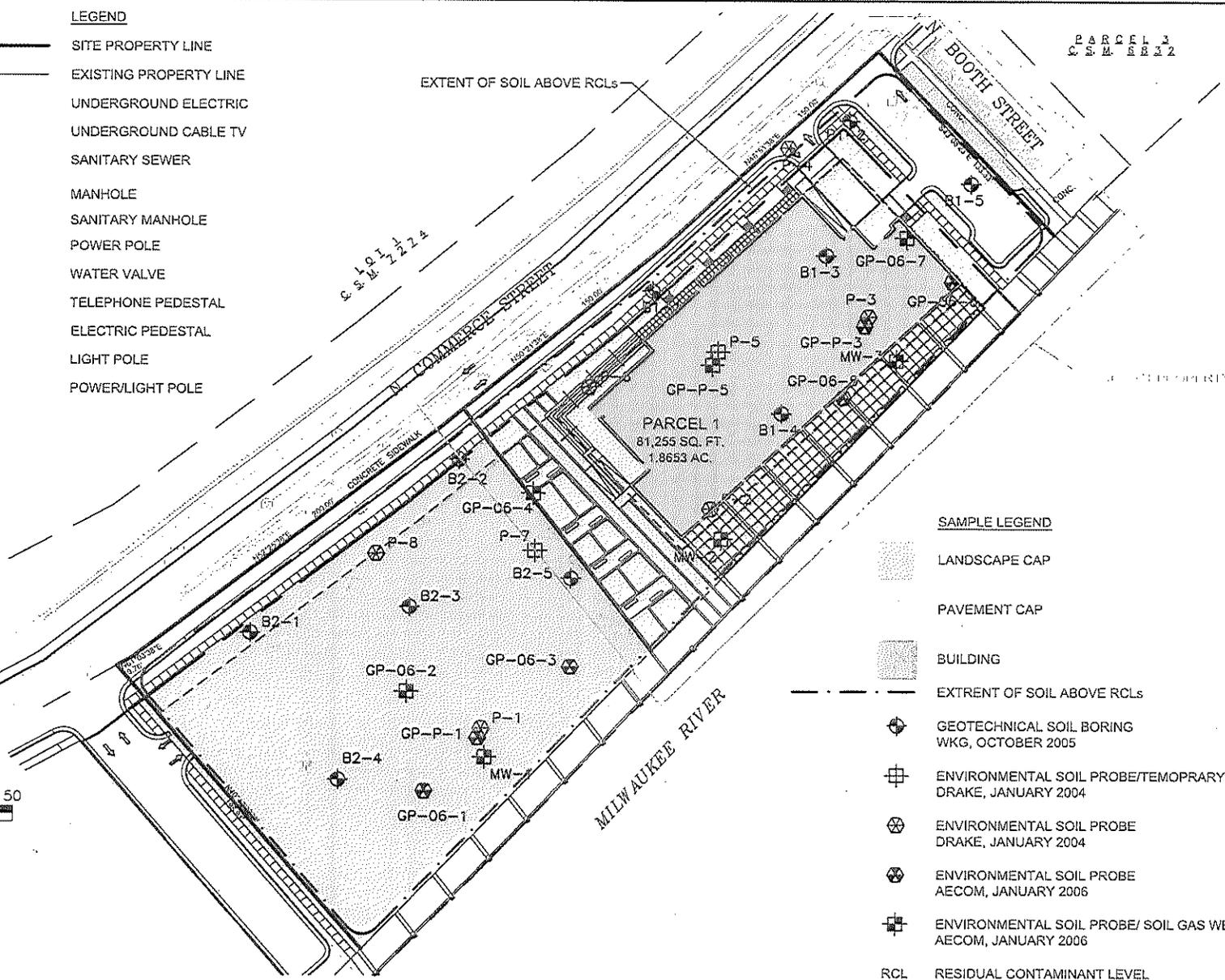
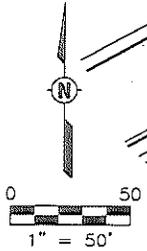
X:\projects\60144475\60144475-00\001\001.dwg 11/1/2010 2:15:24 PM FRANKLIN, SROAK, ES:PD

LEGEND

- SITE PROPERTY LINE
- EXISTING PROPERTY LINE
- UNDERGROUND ELECTRIC
- UNDERGROUND CABLE TV
- SANITARY SEWER
- MANHOLE
- SANITARY MANHOLE
- POWER POLE
- WATER VALVE
- TELEPHONE PEDESTAL
- ELECTRIC PEDESTAL
- LIGHT POLE
- POWER/LIGHT POLE

EXTENT OF SOIL ABOVE RCLs

BARCEL 2



SAMPLE LEGEND

- LANDSCAPE CAP
- PAVEMENT CAP
- BUILDING
- EXTENT OF SOIL ABOVE RCLs
- GEOTECHNICAL SOIL BORING WKG, OCTOBER 2005
- ENVIRONMENTAL SOIL PROBE/TEMPORARY WELL DRAKE, JANUARY 2004
- ENVIRONMENTAL SOIL PROBE DRAKE, JANUARY 2004
- ENVIRONMENTAL SOIL PROBE AECOM, JANUARY 2006
- ENVIRONMENTAL SOIL PROBE/ SOIL GAS WELL AECOM, JANUARY 2006
- RCL RESIDUAL CONTAMINANT LEVEL



11425 West Lake Park Drive
 Milwaukee, WI 53224
 414.369.3030
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SITE CAP
 THE EDGE CONDOMINIUMS
 1902 NORTH COMMERCE STREET
 MILWAUKEE, WISCONSIN

Drawn:	CJH 2/9/2010
Checked:	LLA 2/9/2010
Approved:	LLA 2/9/2010
PROJECT NUMBER	60144475
FIGURE NUMBER	B

**Exhibit B
Barrier Inspection and Maintenance Log**

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



REGISTER OF DEEDS

Milwaukee County

JOHN LA FAVE • Register of Deeds



DOC.# 09718112

REGISTER'S OFFICE | SS
Milwaukee County, WI

RECORDED 03/30/2009 02:34PM

JOHN LA FAVE
REGISTER-OF DEEDS
AMOUNT: 50.00
FEE EXEMPT 77.25 #: 0

PLAT

The Edge
PLAT NAME Condominium
DOC# 09718112
REEL# 7079
DATE: 3-30-2009
NUMBER OF PAGES: 8

THE EDGE CONDOMINIUM

Parcel 1 of Certified Survey Map Number 7825, recorded as Document Number 9319757 of City of Milwaukee Department of City Development Records, located in the Southwest 1/4 of the Northwest 1/4, Section 21, Township 7 North, Range 22 East, City of Milwaukee, Milwaukee County, Wisconsin.



08710172

Property Description

Parcel 1 of Certified Survey Map Number 7825, recorded as Document Number 9319757 of City of Milwaukee Department of City Development Records, located in the Southwest 1/4 of the Northwest 1/4, Section 21, Township 7 North, Range 22 East, City of Milwaukee, Milwaukee County, Wisconsin, being more particularly described as follows:

Beginning at the Southwest Corner of Certified Survey Map #8812, its records with the Milwaukee County Register of Deeds, also being the intersection of the southeasterly right-of-way line of North Commerce Street and the southeasterly right-of-way line of North Booth Street; thence South 43°28'23" East along said southeasterly right-of-way line, 133.33 feet to the established dock line of the Milwaukee River; thence South 43°22'59" West along said dock line, 283.82 feet; thence North 37°34'22" West, 156.48 feet to said southeasterly right-of-way line of North Commerce Street; thence North 50°21'38" East along said southeasterly right-of-way line, 117.33 feet; thence North 48°51'38" East along said southeasterly right-of-way line, 150.00 feet to the Point of Beginning. Containing 39,473 square feet (0.9062 Acres) more or less.

Additional Property

Parcel 2 of Certified Survey Map Number 7825, recorded as Document Number 9319757 of City of Milwaukee Department of City Development Records, located in the Southwest 1/4 of the Northwest 1/4, Section 21, Township 7 North, Range 22 East, City of Milwaukee, Milwaukee County, Wisconsin, being more particularly described as follows:

Commencing the Southwest Corner of Certified Survey Map #8832 as recorded with the Milwaukee County Register of Deeds, also being the intersection of the southeasterly right-of-way line of North Commerce Street and the southeasterly right-of-way line of North Booth Street; thence South 46°51'38" West along said southeasterly right-of-way line of North Commerce Street, 150.00 feet; thence South 60°21'38" West along said southeasterly right-of-way line, 117.33 feet to the Point of Beginning; thence South 37°34'22" East, 156.48 feet to the established dock line of the Milwaukee River; thence South 43°22'59" West along said dock line, 104.30 feet; thence North 40°42'22" West, 109.11 feet to the southeasterly right-of-way line of North Commerce Street; thence North 52°25'34" East along said southeasterly line, 180.51 feet; thence North 50°21'38" East along said southeasterly line, 32.67 feet to the Point of Beginning. Containing 34,094 square feet (0.7827 Acres) more or less.

SURVEYORS CERTIFICATE

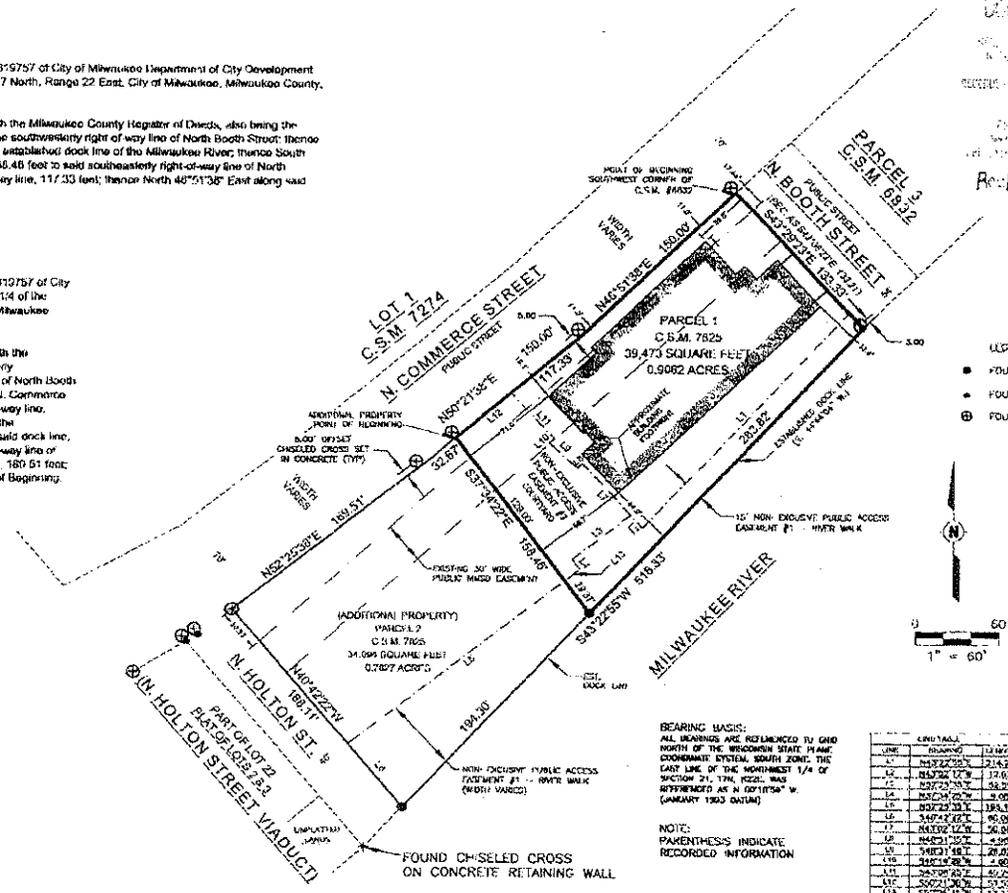
I, Craig D. Hansen, Registered Land Surveyor, do hereby certify that this plat is a correct representation of the land and improvements and the dimensions and location of each and that the corners are marked on the ground.

Craig D. Hansen
 Wisconsin Registered Land Surveyor 5275
 AECOM
 1026 Maple Drive
 Green Bay, Wisconsin 54303
 920-468-7478



PROJECT ADDRESS
 1872 N. COMMERCE STREET
 MILWAUKEE, WISCONSIN 53227

OWNER/DEVELOPER
 1840 COMMERCE STREET, #10
 411 N. GREEN ST.
 CHICAGO, IL 60608



RECEIVED
 REGISTERED RECORDS
 REC'D
 7079

- LEGEND
- FOUND 1" DIA. IRON PIPE
 - FOUND MAG. NAIL W/ WASHER
 - ⊗ FOUND CH-SELLED CROSS



AECOM

1030 Center Street
 Green Bay, Wisconsin
 920-468-7478
 www.aecom.com

Client: CDR 7/21/2008
 Contract: CDR 3/10/2008
 Agreement: TAP 3/20/2008

PROJECT NUMBER: 60096323
 SHEET: 1 OF 8
 SCALE: 1" = 60'

BEARING BASIS:
 ALL BEARINGS ARE REFERENCED TO GRID NORTH OF THE WISCONSIN STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, THE EAST LINE OF THE NORTHWEST 1/4 OF SECTION 21, T7N, R22E, WAS REFERENCED AS N 09°15'54" W (JANUARY 1983 DATUM)

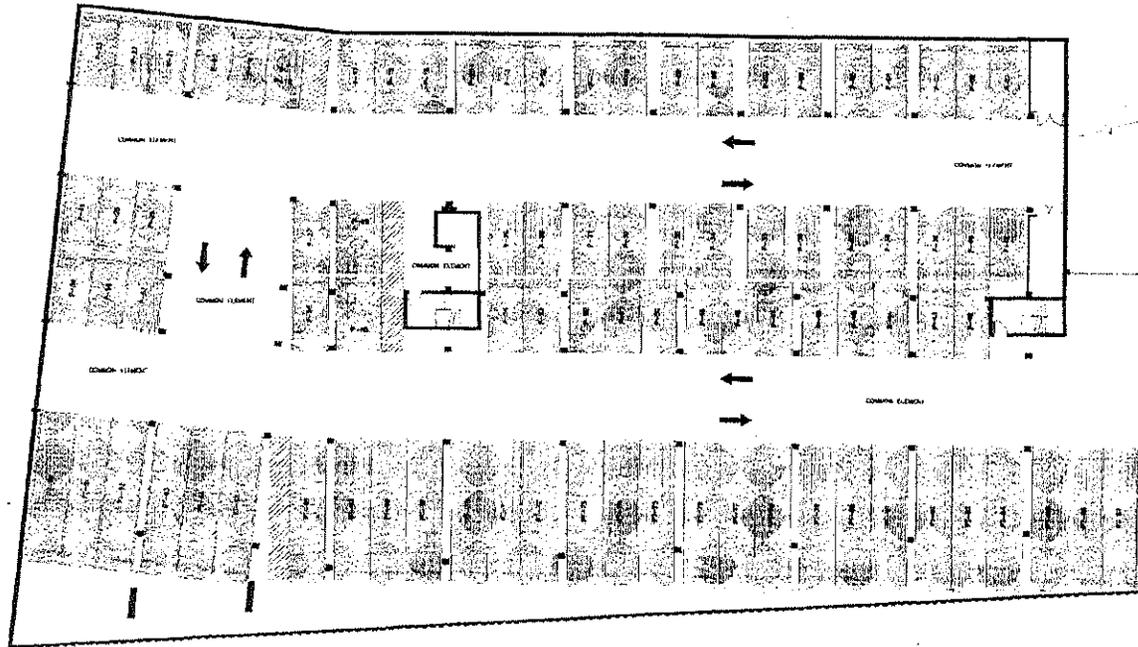
NOTE:
 PARENTHESES INDICATE RECORDED INFORMATION

LINE	BEARING	LENGTH
1	N48°22'30" E	216.22
2	S85°36'00" W	17.00
3	S72°21'00" E	58.24
4	N52°21'00" W	3.00
5	S82°23'30" W	184.18
6	S49°17'00" E	65.00
7	N41°02'12" W	56.80
8	N42°11'30" E	4.80
9	N40°11'18" E	28.80
10	N42°14'30" W	4.80
11	S43°04'00" E	42.24
12	S52°11'30" E	25.52
13	S62°25'30" W	15.37

5020

THE EDGE CONDOMINIUM

Parcel 1 of Certified Survey Map Number 71025, recorded as Document Number 9910757 of City of Milwaukee Department of City Development Records, located in the Southwest 1/4 of the Northwest 1/4, Section 21, Township 7 North, Range 22 East, City of Milwaukee, Milwaukee County, Wisconsin.



UNITED COMMON ELEMENT

NOTE: ALL AREAS SHOWN HEREIN ARE DESIGNATED AS LIMITED COMMON ELEMENTS ARE TO BE CONSIDERED COMMON ELEMENTS.



Gregory A. Brown, Surveyor

PROJECT ADDRESS
1000 N. COMMERCIAL STREET
MILWAUKEE, WISCONSIN 53233

OWNER/DEVELOPER
1810 LAMARVILLE, L.L.C.
414 N. OLIVE ST.
CHICAGO, IL 60604

PARKING / LOWER LEVEL

AECOM

1710 North Green
Suite 1000
923400-1810
www.aecom.com
Chicago, IL 60604

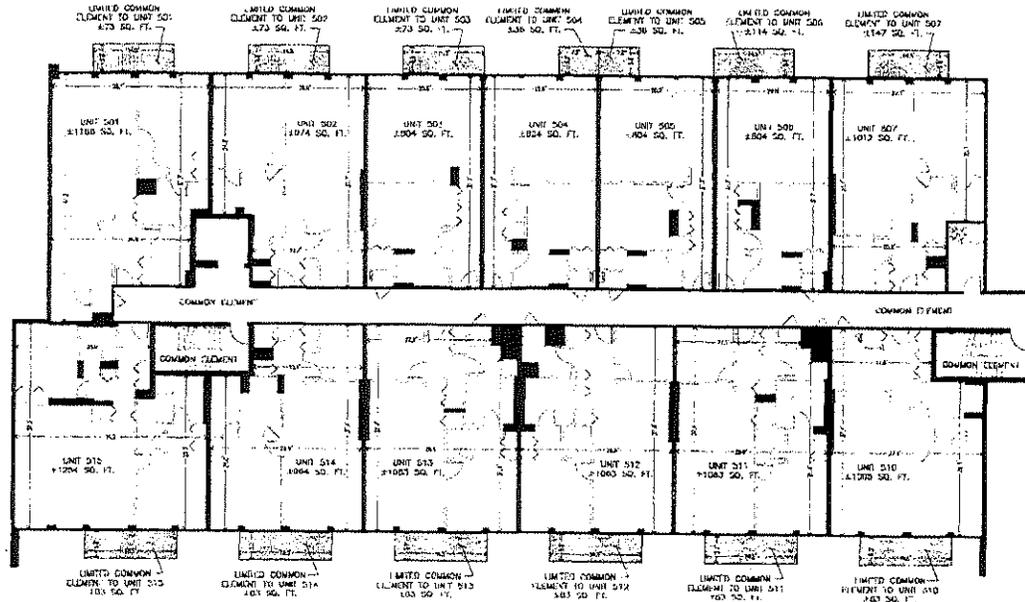
Issue 1	DATE 3/23/2009
Revision	DATE 3/23/2009
Approved	DATE 3/23/2009
PROJECT NUMBER	80008323
SHEET	2 OF 8
SCALE	1" = 20'

THE EDGE CONDOMINIUM

Parcel 1 of Certified Survey Map Number 7825, recorded as Document Number 9319757 of City of Milwaukee Department of City Development Records, located in the Southwest 1/4 of the Northwest 1/4, Section 21, Township 7 North, Range 22 East, City of Milwaukee, Milwaukee County, Wisconsin.



Gregory Hansen 10/20/09



FIFTH FLOOR

PROJECT ADDRESS
392 N. COMMERCIAL STREET
MILWAUKEE, WISCONSIN 53212

OWNER/DEVELOPER
TRC COMMERCIAL, LLC
434 N. STANLEY
CHICAGO, ILLINOIS

AECOM

1024 Foster Drive
Folsom, CA 95630
916-988-1000
www.aecom.com

Drawn	CLM	2/23/2009
Checked	DMW	3/20/2009
Approved	YAP	3/20/2009
PROJECT NUMBER	00096323	
SHEET	7 of 8	
SCALE	1" = 15'	

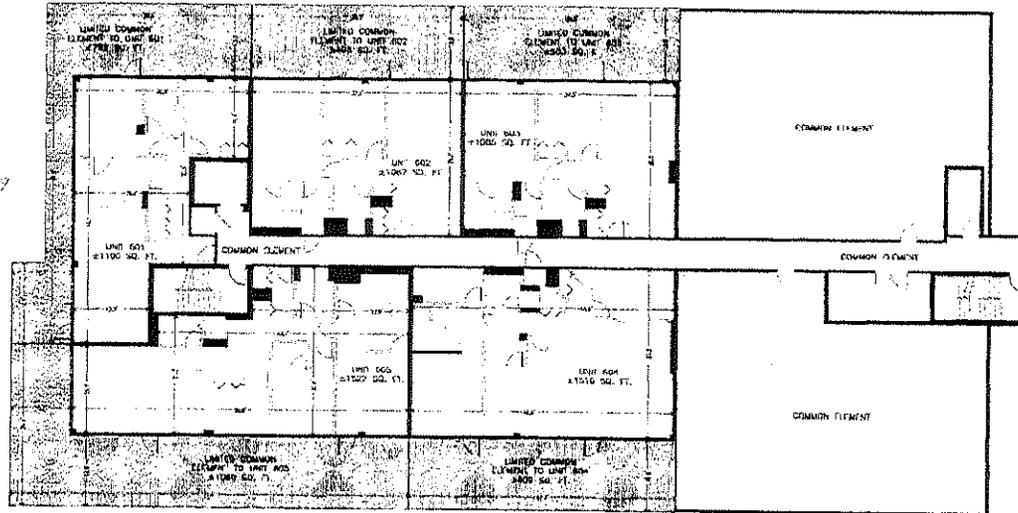
THE EDGE CONDOMINIUM

Parcel 1 of Certified Survey Map Number 7825, recorded as Document Number 9310757 of City of Milwaukee Department of City Development Records, located in the Southwest 1/4 of the Northwest 1/4, Section 21, Township 7 North, Range 22 East, City of Milwaukee, Milwaukee County, Wisconsin



James J. ...

COMMON ELEMENT
UNITED COMMON ELEMENT



SIXTH FLOOR

PROJECT ADDRESS
180 N. COMMERCE STREET
MILWAUKEE, WISCONSIN 53212

OWNER/DEVELOPER
180 COMMERCE, LLC
414 N. ORAUM BL.
CHICAGO, IL 60611

AECOM

230 Maple Drive
Itasca, IL 60143
630-285-7000
www.aecom.com
Created by: J. J. ...

Issue: CDH 3/25/2009
Checked: CDH 3/25/2009
Approved: DJP 3/25/2009

PROJECT NUMBER: 60096323

SHEET: 8 of 8

SCALE: 1" = 15'

Date: November 24, 2010

Site Name: The Edge

Site Address: 1902 North Commerce Street

Milwaukee Wisconsin
53212

Responsible Party: The Edge Condominium Association
c/oThe Brewery Works

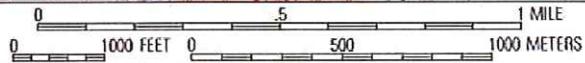
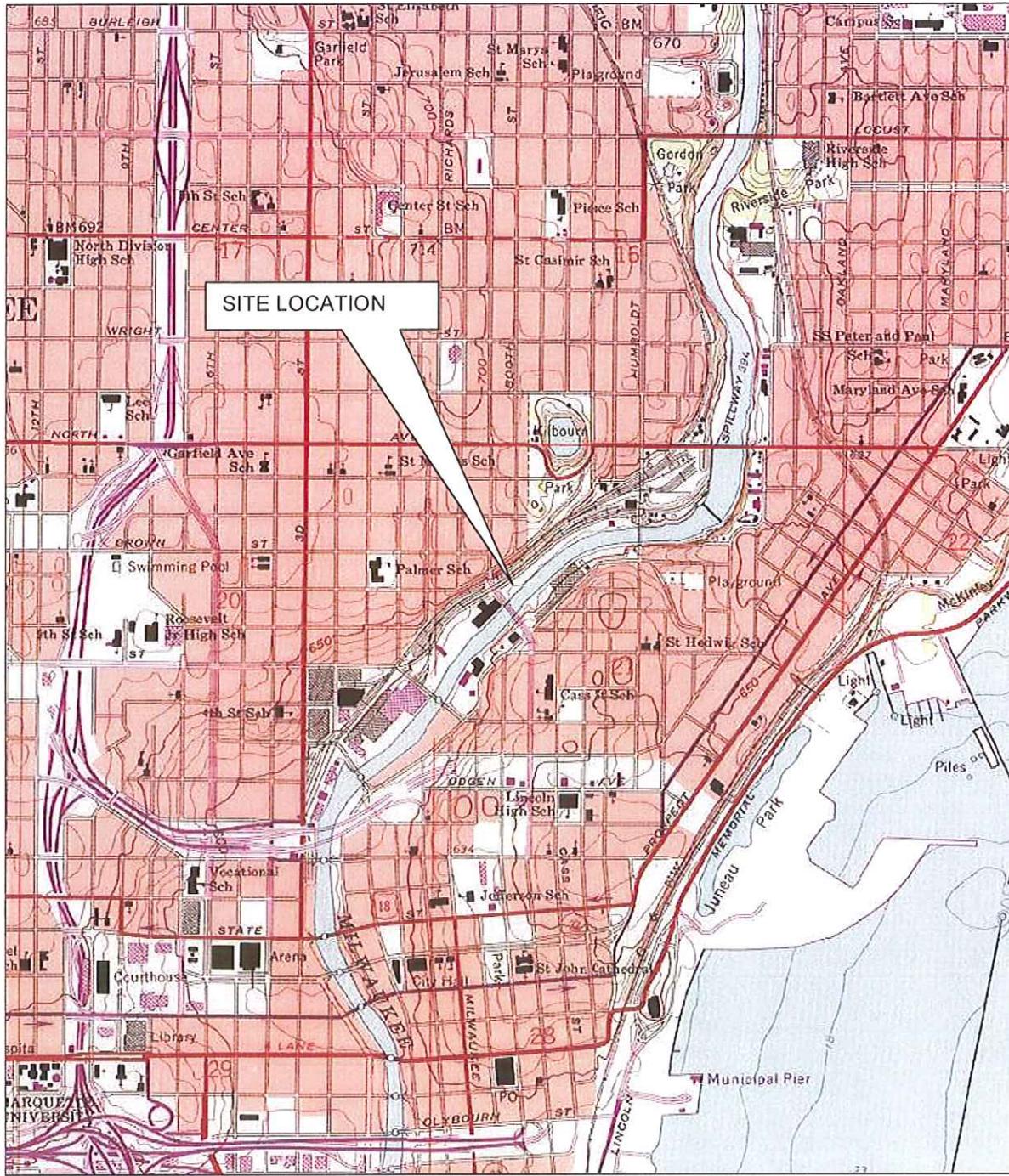
Address: 1555 N. River Center Drive, #209

Milwaukee, WI 53212

I, the above named responsible party, certify that the attached legal description is complete and accurate for all of the properties within or partially within the contaminated site's boundaries that have soil contamination that exceeds generic residual contaminant levels, as determined under ss. NR 720.09, 720.11 and 720.19] at the time of this case closure request.


Signature

John Grunau
Printed Name



Map created with TOPO!© ©2003 National Geographic (www.nationalgeographic.com/topo)

APPROXIMATE SCALE 1"= 2,000'

11425 W. Lake Park Dr.
Milwaukee, WI 53224
414-359-3030

SITE LOCATION MAP
THE EDGE
N. COMMERCE STREET
MILWAUKEE, WISCONSIN

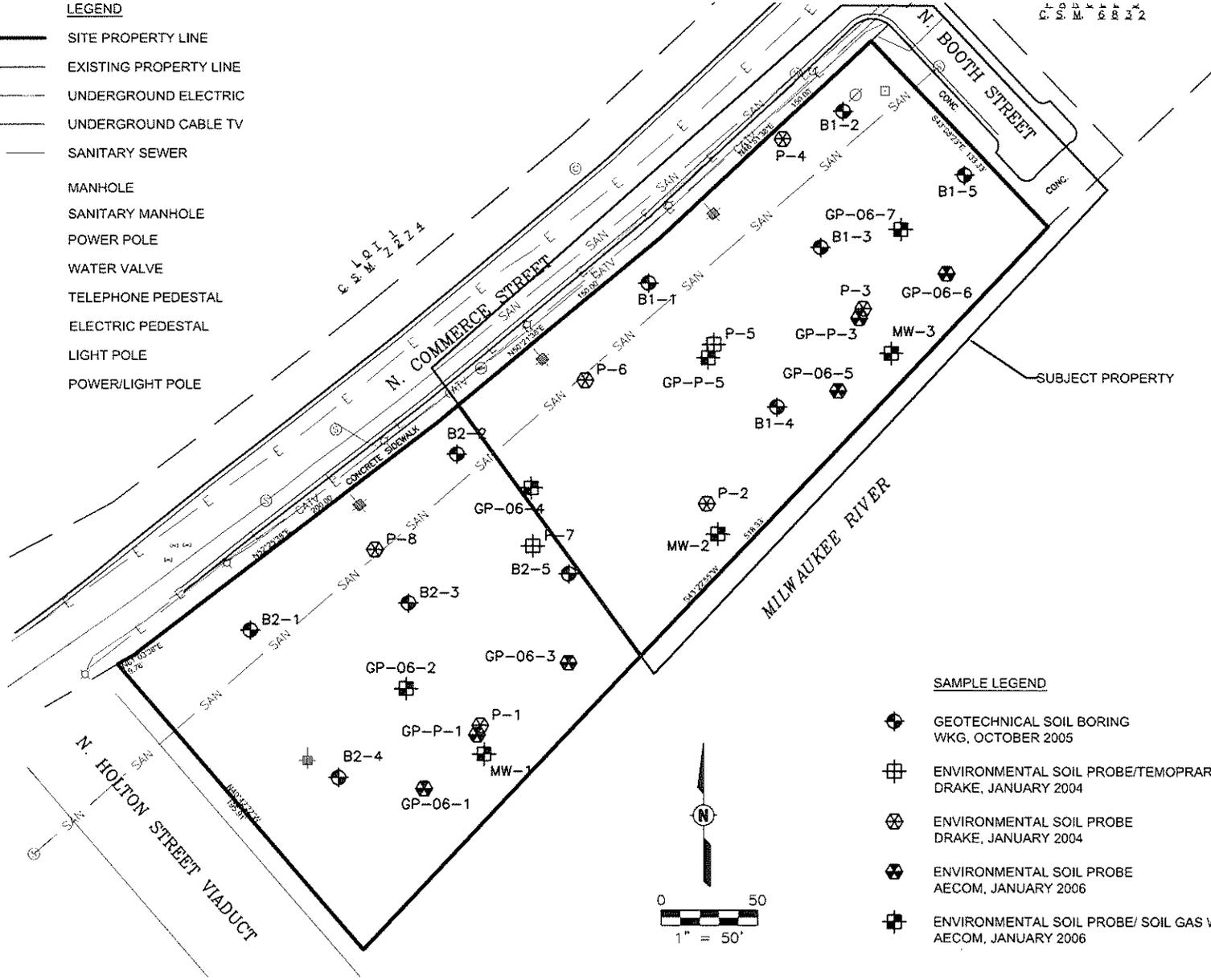
Drawn	DLM	1/18/2006
Checked	KLB	1/18/2006
Approved	KLB	1/18/2006
PROJECT NUMBER	60144475	
FIGURE NUMBER	1	

X:\p\10\10144475\10144475-WK\05\0509\0509.dwg, 11/17/2010 2:24:47 PM, PRINOVILLE, SANK, STS.P

LEGEND

- SITE PROPERTY LINE
- EXISTING PROPERTY LINE
- UNDERGROUND ELECTRIC
- CAIV — UNDERGROUND CABLE TV
- SAN — SANITARY SEWER
- ⊕ MANHOLE
- ⊙ SANITARY MANHOLE
- ⊗ POWER POLE
- ⊕ WATER VALVE
- ⊗ TELEPHONE PEDESTAL
- ⊕ ELECTRIC PEDESTAL
- ⊗ LIGHT POLE
- ⊕ POWER/LIGHT POLE

1 2 3 4 5 6 7 8 9 10
C. S. M. 6 8 3 2



SUBJECT PROPERTY

SAMPLE LEGEND

- ⊕ GEOTECHNICAL SOIL BORING
WKG, OCTOBER 2005
- ⊕ ENVIRONMENTAL SOIL PROBE/TEMOPRRARY WELL
DRAKE, JANUARY 2004
- ⊗ ENVIRONMENTAL SOIL PROBE
DRAKE, JANUARY 2004
- ⊗ ENVIRONMENTAL SOIL PROBE
AECOM, JANUARY 2006
- ⊕ ENVIRONMENTAL SOIL PROBE/ SOIL GAS WELL
AECOM, JANUARY 2006



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SITE LAYOUT
 THE EDGE CONDOMINIUMS
 1902 NORTH COMMERCE STREET
 MILWAUKEE, WISCONSIN

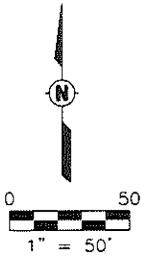
Drawn :	CJH	2/9/2010
Checked:	LLA	2/9/2010
Approved:	LLA	2/9/2010
PROJECT NUMBER	60144475	
FIGURE NUMBER	2	

K:\PROJECTS\10144473\4\102011173-WPNSLOCS-RE-REL.dwg 11/7/2010 2:28:30 PM FRANKVILLE, SHAWN, STS:KJD

LEGEND

- SITE PROPERTY LINE
- EXISTING PROPERTY LINE
- UNDERGROUND ELECTRIC
- UNDERGROUND CABLE TV
- SANITARY SEWER
- MANHOLE
- SANITARY MANHOLE
- POWER POLE
- WATER VALVE
- TELEPHONE PEDESTAL
- ELECTRIC PEDESTAL
- LIGHT POLE
- POWER/LIGHT POLE

P-8, 4-6'
 VOCs - BELOW STANDARDS
 PAHs - EXCEEDING INDUSTRIAL AND NON-INDUSTRIAL RCLs



GP-06-1, 2-4'
 BENZENE - 94 µg/kg
 6-8'
 VOCs - NO DETECTIONS ABOVE RCLs

GP-P-1, 8-10'
 BENZENE - 57 µg/kg

P-1, 2-4'
 DRO - 273 µg/kg
 BENZENE - 809 µg/kg
 PAHs - EXCEEDING INDUSTRIAL AND NON-INDUSTRIAL RCLs
 ARSENIC - 52.6 mg/kg
 CHROMIUM - 15.4 mg/kg

P-2, 4-6'
 VOCs - NOT DETECTED
 PAHs - NOT DETECTED
 ARSENIC - 33.3 mg/kg

GP-P-5, 8-10'
 BENZENE - 16 µg/kg

GP-P-3, 8-10'
 BENZENE - 57 µg/kg

GP-06-6, 3.4-4'
 BENZO(a)PYRENE - 22 µg/kg
 8-10'
 VOCs - NOT DETECTED ABOVE RCLs

SAMPLE LEGEND

- EXTENT OF SOIL ABOVE RCLs
- ⊕ GEOTECHNICAL SOIL BORING WKG, OCTOBER 2005
- ⊞ ENVIRONMENTAL SOIL PROBE/TEMPORARY WELL DRAKE, JANUARY 2004
- ⊗ ENVIRONMENTAL SOIL PROBE DRAKE, JANUARY 2004
- ⊕ ENVIRONMENTAL SOIL PROBE AECOM, JANUARY 2006
- ⊞ ENVIRONMENTAL SOIL PROBE/ SOIL GAS WELL AECOM, JANUARY 2006
- RCL RESIDUAL CONTAMINANT LEVEL

AECOM

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 Milwaukee, WI 53224
 414.359.3030
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SOIL RCL EXCEEDANCES
 THE EDGE CONDOMINIUMS
 1902 NORTH COMMERCE STREET
 MILWAUKEE, WISCONSIN

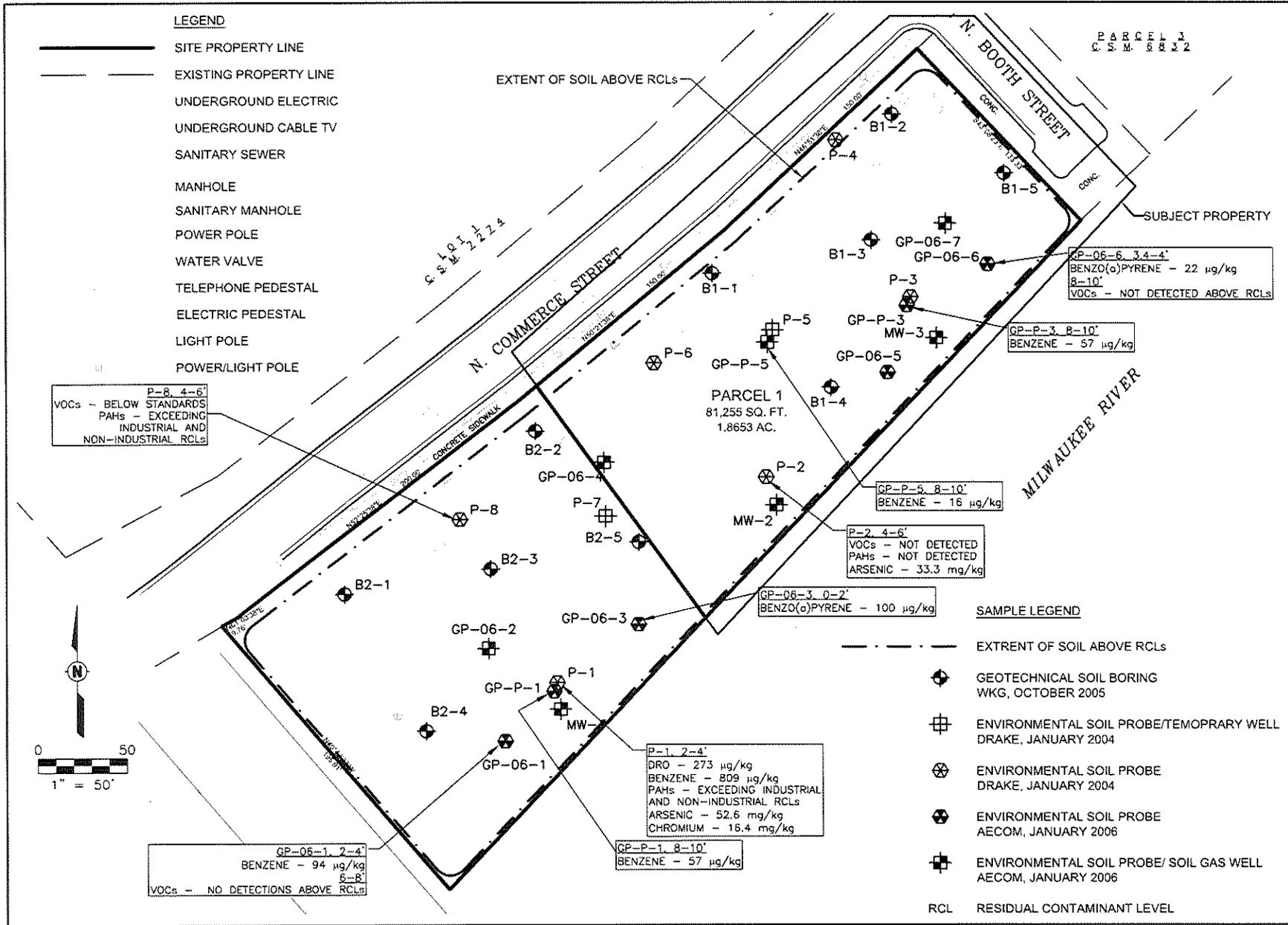
Drawn: CJH 2/9/2010

Checked: LLA 2/9/2010

Approved: LLA 2/9/2010

PROJECT NUMBER 60144475

PAGE NUMBER 3



PARCEL 1
 C. S. M. 68132

EXTENT OF SOIL ABOVE RCLs

PARCEL 1
 81,255 SQ. FT.
 1.8653 AC.

SUBJECT PROPERTY

MILWAUKEE RIVER

N. COMMERCE STREET

N. BOOTH STREET

CONCRETE SIDEWALK

MANHOLE

WATER VALVE

TELEPHONE PEDESTAL

ELECTRIC PEDESTAL

LIGHT POLE

POWER/LIGHT POLE

TABLE C-1 (Page 1 of 2)
 2004 Soil Sample Analytical Results
 1890 North Commerce Street Property
 Milwaukee, Wisconsin

Analytical Parameter	P-1 2-4' bgs	P-2 4-6' bgs	P-3 2-4' bgs	P-4 4-6' bgs	P-5 2-4' bgs	P-6 2-4' bgs	P-7 2-4' bgs	P-8 4-6' bgs	NR 720 Generic RCL	DNR Suggested RCL (groundwater protection)	DNR Suggested RCL (non-industrial direct contact)
GRO (ppm)	70.6	<6.3	67.3	<5.6	13.8	<6.0	<5.8	<5.7	100	NS	NS
DRO (ppm)	273	<6.3	48.6	22.8	62.3	<6.0	37.6	28.4	100	NS	NS
VOCs (ppb)											
Benzene	809	<25.0	288	<25.0	112	<25.0	<25.0	<25.0	5.5	NS	NS
Bromobenzene	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Bromodichloromethane	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
n-Butylbenzene	410	<25.0	<125	<25.0	60.2	<25.0	<25.0	38.9	NS	NS	NS
sec-Butylbenzene	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
tert-Butylbenzene	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Carbon tetrachloride	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Chlorobenzene	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Chloroethane	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Chloroform	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Chloromethane	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
2-Chlorotoluene	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
4-Chlorotoluene	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Dibromochloromethane	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2-Dibromo-3-chloropropane	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2-Dibromoethane	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2-Dichlorobenzene	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,3-Dichlorobenzene	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,4-Dichlorobenzene	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Dichlorodifluoromethane	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,1-Dichloroethane	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2-Dichloroethane	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	4.9	NS	NS
1,1-Dichloroethene	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
cis-1,2-Dichloroethene	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
trans-1,2-Dichloroethene	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2-Dichloropropane	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,3-Dichloropropane	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
2,2-Dichloropropane	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Di-isopropyl ether	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Ethylbenzene	416	<25.0	234	<25.0	103	<25.0	<25.0	<25.0	2,900	NS	NS
Hexachlorobutadiene	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Isopropylbenzene	<250	<25.0	300	<25.0	74.6	<25.0	<25.0	<25.0	NS	NS	NS
p-Isopropyltoluene	<250	<25.0	<125	<25.0	79.7	<25.0	<25.0	201	NS	NS	NS
Methylene chloride	<1000	<100	<500	<100	<100	<100	<100	<100	NS	NS	NS
Methyl tert-butyl ether	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Naphthalene	2,230	<25.0	1,700	189	536	<25.0	<25.0	209	NS	400	20,000

Table C-1 (Page 2 of 2)
 Soil Sample Analytical Results
 1890 North Commerce Street Property
 1902 Milwaukee, Wisconsin

Analytical Parameter	P-1 2-4' bgs	P-2 4-6' bgs	P-3 2-4' bgs	P-4 4-6' bgs	P-5 2-4' bgs	P-6 2-4' bgs	P-7 2-4' bgs	P-8 4-6' bgs	NR 720 Generic RCL	DNR Suggested RCL (groundwater protection)	DNR Suggested RCL (non-industrial direct contact)
n-Propylbenzene	<250	<25.0	<125	<25.0	30.4	<25.0	<25.0	<25.0	NS	NS	NS
1,1,2,2-Tetrachloroethane	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Tetrachloroethene	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Toluene	1,440	<25.0	1,390	36.4	411	<25.0	56.1	75	1,500	NS	NS
1,2,3-Trichlorobenzene	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trichlorobenzene	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,1,1-Trichloroethane	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,1,2-Trichloroethane	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichloroethene	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichlorofluoromethane	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trimethylbenzenes	1,148	<25.0	890	<25.0	247.4	<25.0	<25.0	104.2	NS	NS	NS
Vinyl chloride	<250	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Total xylenes	2,360	<25.0	2,620	51.1	672	<25.0	35.1	119	4,100	NS	NS
PAHs (ppm)											
Acenaphthene	<0.116	<0.136	1.1	0.446	0.964	<0.129	0.406	<0.118	NS	38	900
Acenaphthylene	0.577	<0.272	0.364	<0.229	0.498	<0.258	0.391	<0.236	NS	0.7	18
Anthracene	0.116	<0.136	0.278	0.602	0.379	<0.129	0.531	<0.118	NS	3,000	5,000
Benzo(a)anthracene	0.349	<0.068	0.592	0.734	0.619	<0.064	1.02	0.157	NS	17	0.088
Benzo(a)pyrene	0.201	<0.0068	0.575	0.637	0.600	<0.0064	1.05	0.117	NS	48	0.0088
Benzo(b)fluoranthene	0.297	<0.067	0.548	0.647	0.625	<0.064	0.956	0.153	NS	360	0.088
Benzo(ghi)perylene	0.139	<0.136	0.283	0.455	0.353	<0.129	0.588	<0.118	NS	6,800	1.8
Benzo(k)fluoranthene	0.188	<0.136	0.311	0.317	0.211	<0.129	0.481	<0.118	NS	870	0.88
Chrysene	0.150	<0.136	0.287	0.674	0.280	<0.129	0.837	<0.118	NS	37	8.8
Dibenzo(ah)anthracene	0.307	<0.0068	0.471	0.392	0.478	<0.0064	0.662	<0.0059	NS	38	0.0088
Fluoranthene	0.949	<0.136	1.39	1.63	1.37	<0.129	2.02	0.275	NS	500	600
Fluorene	<0.116	<0.136	<120	<0.114	0.290	<0.129	0.174	<0.118	NS	100	600
Indeno(123-cd)pyrene	0.158	<0.068	0.327	0.468	0.329	<0.064	0.598	0.105	NS	680	0.088
1-Methylnaphthalene	1.08	<0.136	1.43	0.214	0.845	<0.129	0.680	0.152	NS	23	1,100
2-Methylnaphthalene	2.49	<0.136	3.27	0.787	2.99	<0.129	0.420	0.185	NS	20	600
Naphthalene	1.4	<0.136	1.78	0.855	1.28	<0.129	1.64	0.260	NS	0.4	20
Phenanthrene	0.727	<0.136	1.09	1.29	1.25	<0.129	1.49	0.167	NS	1.8	18
Pyrene	1.56	<0.136	0.581	0.816	0.418	<0.129	0.841	0.124	NS	8,700	500
RCRA Metals (ppm)											
Arsenic	52.6	33.3	14.5	3.62	4.1	<3.22	7.82	14.1	0.039	NS	NS
Barium	<112	<33.9	<120	41.7	33.0	73.4	33.0	34.9	NS	NS	NS
Cadmium	<2.2	1.32	<2.39	<0.57	<0.592	0.663	<0.574	<0.590	8	NS	NS
Chromium	16.4	4.03	17.2	7.06	2.90	20.8	5.85	6.96	14	NS	NS
Lead	44.7	3.63	48.0	24.7	35.0	10.5	31.1	27.2	50	NS	NS
Mercury	0.145	0.138	0.259	0.176	0.125	0.145	<0.0459	0.0972	NS	NS	NS
Selenium	12.4	<3.39	<12.0	<2.86	<2.96	<3.22	<2.87	<2.95	NS	NS	NS
Silver	<11.2	<3.39	<12.0	<2.86	<2.96	<3.22	<2.87	<2.95	NS	NS	NS

TABLE C-2
2006 LABORATORY ANALYTICAL RESULTS FOR SOIL SAMPLING
THE EDGE

AECOM PROJECT NO. 60144475

Parameters	Generic RCLs			GP-06-1	GP-06-1	GP-06-2	GP-06-2	GP-06-2	GP-06-3	GP-06-3	GP-06-5	GP-06-5	GP-06-6
	Direct Contact Pathway		Groundwater Pathway	2-4'	6-8'	2-3'	6-7'	9-10'	0-2'	6-8'	0-2'	7-8'	3-4-4'
	Non-Industrial	Industrial		1/11/2006	1/11/2006	1/11/2006	1/11/2006	1/11/2006	1/11/2006	1/11/2006	1/11/2006	1/11/2006	1/11/2006
Metals (mg/kg)													
Arsenic	0.039	1.6	--	NA	NA	NA	NA	<0.53	NA	NA	NA	NA	NA
Barium	--	--	--	NA	NA	NA	NA	22.4	NA	NA	NA	NA	NA
Cadmium	8	510	--	NA	NA	NA	NA	0.15	NA	NA	NA	NA	NA
Chromium	16,000	--	--	NA	NA	NA	NA	4.5	NA	NA	NA	NA	NA
Lead	50	500	--	NA	NA	NA	NA	3	NA	NA	NA	NA	NA
Selenium	--	--	--	NA	NA	NA	NA	<0.35	NA	NA	NA	NA	NA
Silver	--	--	--	NA	NA	NA	NA	<0.21	NA	NA	NA	NA	NA
Mercury	--	--	--	NA	NA	NA	NA	0.0055	NA	NA	NA	NA	NA
Dry Weight (%)	--	--	--	83.9	89	90	86.2	91.6	85.4	85.8	90.2	84.3	90
VOCs (µg/kg)													
Benzene	1,100 ^D	52,000	5.5 ^D	94 ^C	<25	<25	<25	NA	100 ^C	<25	160 ^C	<25	<25
Ethylbenzene	1,560,000	102,000,000	2,900 ^D	82	<25	<25	<25	NA	74	<25	88	<25	<25
Methyl-tert-butyl-ether	--	--	--	<25	<25	<25	<25	NA	<25	<25	<25	<25	<25
Naphthalene	60,000 ^E	4,000,000 ^E	400 ^E	310	260	240	82	NA	220	210	430 ^C	41	<25
Toluene	3,130,000	204,000,000	1,500 ^D	220	<25	62	64	NA	210	<25	300	44	<25
1,2,4-Trimethylbenzene ¹	782,000	51,100,000	7573	170	<25	72	45	NA	160	<25	180	<25	<25
1,3,5-Trimethylbenzene ¹	782,000	51,100,000	3520	93	<25	48	<25	NA	110	<25	150	<25	<25
Xylenes, total	313,000	204,000,000	4,100 ^D	490	52	162	125	NA	460	<50	580	57	<50
PAHs (µg/kg)^E													
Acenaphthene	900,000	60,000,000	38,000	NA	NA	NA	NA	<5.50	NA	NA	NA	NA	NA
Acenaphthylene	18,000	360,000	700	NA	NA	NA	NA	<5.50	NA	NA	NA	NA	NA
Anthracene	5,000,000	300,000,000	3,000,000	NA	NA	NA	NA	<1.10	NA	NA	NA	NA	NA
Benzo(a)anthracene	88	3,900	17,000	NA	NA	NA	NA	<1.10	NA	NA	NA	NA	NA
Benzo(a)pyrene	8.8	390	48,000	NA	NA	NA	NA	5.4	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	88	3,900	360,000	NA	NA	NA	NA	32	NA	NA	NA	NA	NA
Benzo(ghi)perylene	1,800	39,000	6,800,000	NA	NA	NA	NA	7.5	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	880	39,000	870,000	NA	NA	NA	NA	19	NA	NA	NA	NA	NA
Chrysene	8,800	390,000	37,000	NA	NA	NA	NA	19	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	8.8	390	38,000	NA	NA	NA	NA	<3.30	NA	NA	NA	NA	NA
Fluoranthene	600,000	40,000,000	500,000	NA	NA	NA	NA	44	NA	NA	NA	NA	NA
Fluorene	600,000	40,000,000	100,000	NA	NA	NA	NA	<2.20	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	88	3,900	680,000	NA	NA	NA	NA	2.8	NA	NA	NA	NA	NA
1-Methylnaphthalene	1,100,000	70,000,000	23,000	NA	NA	NA	NA	<6.60	NA	NA	NA	NA	NA
2-Methylnaphthalene	600,000	40,000,000	20,000	NA	NA	NA	NA	<6.60	NA	NA	NA	NA	NA
Naphthalene	20,000	110,000	400	NA	NA	NA	NA	<12	NA	NA	NA	NA	NA
Phenanthrene	18,000	390,000	1,800	NA	NA	NA	NA	<1.10	NA	NA	NA	NA	NA
Pyrene	500,000	30,000,000	8,700,000	NA	NA	NA	NA	10	NA	NA	NA	NA	NA

Notes:

VOCs = Volatile Organic Compounds -- No Generic RCL established.

PAHs = Polynuclear Aromatic Hydrocarbons NA = Not analyzed

^A Parameter exceeds NR 720 Generic RCL for Non-Industrial Direct Contact.

^B Parameter exceeds NR 720 Generic RCL for Industrial Direct Contact.

^C Parameter exceeds NR 720 Generic RCL for Groundwater Pathway.

^D Generic RCL is established under NR 720 or NR 746

^E Generic RCLs provided in *Soil Cleanup Levels for PAHs Interim Guidance*, WDNR RR-5 1997

Generic RCLs not included in Wis Administrative Code or Guidance were calculated from the

US EPA Soil Screening Level Web Page and the default values contained in *Determining*

Residual Contaminant Levels using the EPA Soil Screening Level Web Site WDNR Pub-RR-682

TABLE C-2
2006 LABORATORY ANALYTICAL RESULTS FOR SOIL SAMPLING
THE EDGE
AECOM PROJECT NO. 60144475

Parameters	Generic RCLs			GP-06-6	GP-06-7	GP-06-7	GP-P-1	GP-P-3	GP-P-5
	Direct Contact Pathway		Groundwater Pathway	8-10'	2-4'	6-8'	8-10'	8-10'	8-10'
	Non-Industrial	Industrial		1/11/2006	1/11/2006	1/11/2006	1/11/2006	1/11/2006	1/11/2006
Metals (mg/kg)									
Arsenic	0.039	1.6	--	NA	NA	<0.46	NA	NA	<0.42
Barium	--	--	--	NA	NA	16.9	NA	NA	14.3
Cadmium	8	510	--	NA	NA	0.16	NA	NA	0.16
Chromium	16,000	--	--	NA	NA	4.9	NA	NA	3.3
Lead	50	500	--	NA	NA	6.3	NA	NA	5.7
Selenium	--	--	--	NA	NA	<0.31	NA	NA	<0.28
Silver	--	--	--	NA	NA	<0.19	NA	NA	<0.17
Mercury	--	--	--	NA	NA	0.02	NA	NA	0.014
Dry Weight (%)	--	--	--	81.5	89.9	88.5	70.4	81.1	93.3
VOCs (µg/kg)									
Benzene	1,100 ^D	52,000	5.5	<25	57 ^C	<25	57 ^C	<25	<25
Ethylbenzene	1,560,000	102,000,000	2,900	<25	50	<25	190	<25	<25
Methyl-tert-butyl-ether	--	--	--	<25	<25	<25	<25	<25	<25
Naphthalene	60,000 ^E	4,000,000 ^E	400	<25	140	67	100	46	40
Toluene	3,130,000	204,000,000	1,500	<25	130	42	130	57	<25
1,2,4-Trimethylbenzene ¹	782,000	51,100,000	7573	<25	81	<25	92	42	<25
1,3,5-Trimethylbenzene ¹	782,000	51,100,000	3520	<25	68	<25	57	<25	<25
Xylenes, total	313,000	204,000,000	4,100	<50	260	52	1,460	116	<50
PAHs (µg/kg)⁶									
Acenaphthene	900,000	60,000,000	38,000	NA	NA	<5.70	NA	NA	<5.40
Acenaphthylene	18,000	360,000	700	NA	NA	<5.70	NA	NA	<5.40
Anthracene	5,000,000	300,000,000	3,000,000	NA	NA	<1.10	NA	NA	<1.10
Benzo(a)anthracene	88	3,900	17,000	NA	NA	<1.10	NA	NA	<1.10
Benzo(a)pyrene	8.8	390	48,000	NA	NA	22 ^A	NA	NA	16 ^A
Benzo(b)fluoranthene	88	3,900	360,000	NA	NA	70	NA	NA	37
Benzo(ghi)perylene	1,800	39,000	6,800,000	NA	NA	<1.10	NA	NA	8.7
Benzo(k)fluoranthene	880	39,000	870,000	NA	NA	49	NA	NA	26
Chrysene	8,800	390,000	37,000	NA	NA	28	NA	NA	28
Dibenzo(a,h)anthracene	8.8	390	38,000	NA	NA	<3.40	NA	NA	<3.20
Fluoranthene	600,000	40,000,000	500,000	NA	NA	130	NA	NA	62
Fluorene	600,000	40,000,000	100,000	NA	NA	<2.30	NA	NA	<2.10
Indeno(1,2,3-cd)pyrene	88	3,900	680,000	NA	NA	4.4	NA	NA	8.3
1-Methylnaphthalene	1,100,000	70,000,000	23,000	NA	NA	<6.80	NA	NA	<6.40
2-Methylnaphthalene	600,000	40,000,000	20,000	NA	NA	<6.80	NA	NA	<6.40
Naphthalene	20,000	110,000	400	NA	NA	<1.3	NA	NA	<1.2
Phenanthrene	18,000	390,000	1,800	NA	NA	<1.10	NA	NA	<1.10
Pyrene	500,000	30,000,000	8,700,000	NA	NA	<2.30	NA	NA	53

Notes:

VOCs = Volatile Organic Compounds — No Generic RCL established.

PAHs = Polynuclear Aromatic Hydrocarbons NA = Not analyzed

^A Parameter exceeds NR 720 Generic RCL for Non-Industrial Direct Contact.

^B Parameter exceeds NR 720 Generic RCL for Industrial Direct Contact.

^C Parameter exceeds NR 720 Generic RCL for Groundwater Pathway.

^D Generic RCL is established under NR 720 or NR 746

^E Generic RCLs provided in *Soil Cleanup Levels for PAHs Interim Guidance*, WDNR RR-5 1997

Generic RCLs not included in Wis Administrative Code or Guidance were calculated from the

US EPA Soil Screening Level Web Page and the default values contained in Determining

Residual Contaminant Levels using the EPA Soil Screening Level Web Site WDNR Pub-RR-682

TABLE E-1 (Page 1 of 2)
 2004 Groundwater Sample Analytical Results
 1890 North Commerce Street Property
 Milwaukee, Wisconsin

Analytical Parameter	P-1	P-2	P-3	P-4	P-6	P-8	NR 140 PAL	NR 140 ES
VOCs (ppb)								
Benzene	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	0.5	5
Bromobenzene	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	NS	NS
Bromodichloromethane	<0.359	<0.359	<0.359	<0.359	<0.359	<0.359	0.06	0.6
n-Butylbenzene	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	NS	NS
sec-Butylbenzene	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	NS	NS
tert-Butylbenzene	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	NS	NS
Carbon tetrachloride	<0.592	<0.592	<0.592	<0.592	<0.592	<0.592	0.5	5
Chlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	NS	NS
Chloroethane	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	80	400
Chloroform	<0.463	<0.463	<0.463	<0.463	<0.463	<0.463	0.6	6
Chloromethane	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	0.3	3
2-Chlorotoluene	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	NS	NS
4-Chlorotoluene	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	NS	NS
Dibromochloromethane	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	6	60
1,2-Dibromo-3-chloropropane	<0.629	<0.629	<0.629	<0.629	<0.629	<0.629	0.02	0.2
1,2-Dibromoethane	<0.329	<0.329	<0.329	<0.329	<0.329	<0.329	0.005	0.05
1,2-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	60	600
1,3-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	125	1,250
1,4-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	15	75
Dichlorodifluoromethane	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	200	1,000
1,1-Dichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	85	850
1,2-Dichloroethane	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	0.5	5
1,1-Dichloroethene	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	0.7	7
cis-1,2-Dichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	7	70
trans-1,2-Dichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	20	100
1,2-Dichloropropane	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	0.5	5
1,3-Dichloropropane	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	NS	NS
2,2-Dichloropropane	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	NS	NS
Di-isopropyl ether	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	NS	NS
Ethylbenzene	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	140	700
Hexachlorobutadiene	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	NS	NS
Isopropylbenzene	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	NS	NS
p-Isopropyltoluene	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	NS	NS
Methylene chloride	<0.641	<0.641	<0.641	<0.641	<0.641	<0.641	0.5	5
Methyl tert-butyl ether	<0.381	<0.381	<0.381	<0.381	<0.381	<0.381	12	60
Naphthalene	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	8	40
n-Propylbenzene	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	NS	NS
1,1,2,2-Tetrachloroethane	<0.422	<0.422	<0.422	<0.422	<0.422	<0.422	0.02	0.2

Table E-2
Lead and Arsenic in Groundwater - Laboratory Analytical Results
The Edge
AECOM Project No. 60144475

Parameters	NR 140 Standards		P-1	P-1	P-1	P-3	P-3	P-3	P-4	P-6	P-6	P-6
	ES	PAL	1/5/2004	1/26/2004	2/9/2004	1/5/2004	1/26/2004	2/9/2004	1/5/2004	1/5/2004	1/26/2004	2/9/2004
Metals (µg/L)												
Arsenic	10	<i>1</i>	<5.0	NA	NA	11.2	<u>5.24</u>	<u>5.94</u>	<5.0	<5.0	NA	NA
Lead	15	<i>1.5</i>	15.6	<15.0	<15.0	<u>11.7</u>	<15.0	<15.0	<1.5	<u>3.05</u>	<15.0	<15.0

Parameters	NR 140 Standards		P-8	P-8	P-8	MW-1		MW-2		MW-3	
	ES	PAL	1/5/2004	1/26/2004	2/9/2004	4/3/2006	5/1/2006	4/3/2006	5/1/2006	4/3/2006	5/1/2006
Metals (µg/L)											
Arsenic	10	<i>1</i>	<5.0	NA	NA	<u>2.8</u>	<u>1.3</u>	<0.80	<u>1.4</u>	<0.80	<u>4.5</u>
Lead	15	<i>1.5</i>	<u>2.37</u>	<15.0	<15.0	<0.60	<0.6	<0.60	<0.6	<0.60	<0.6

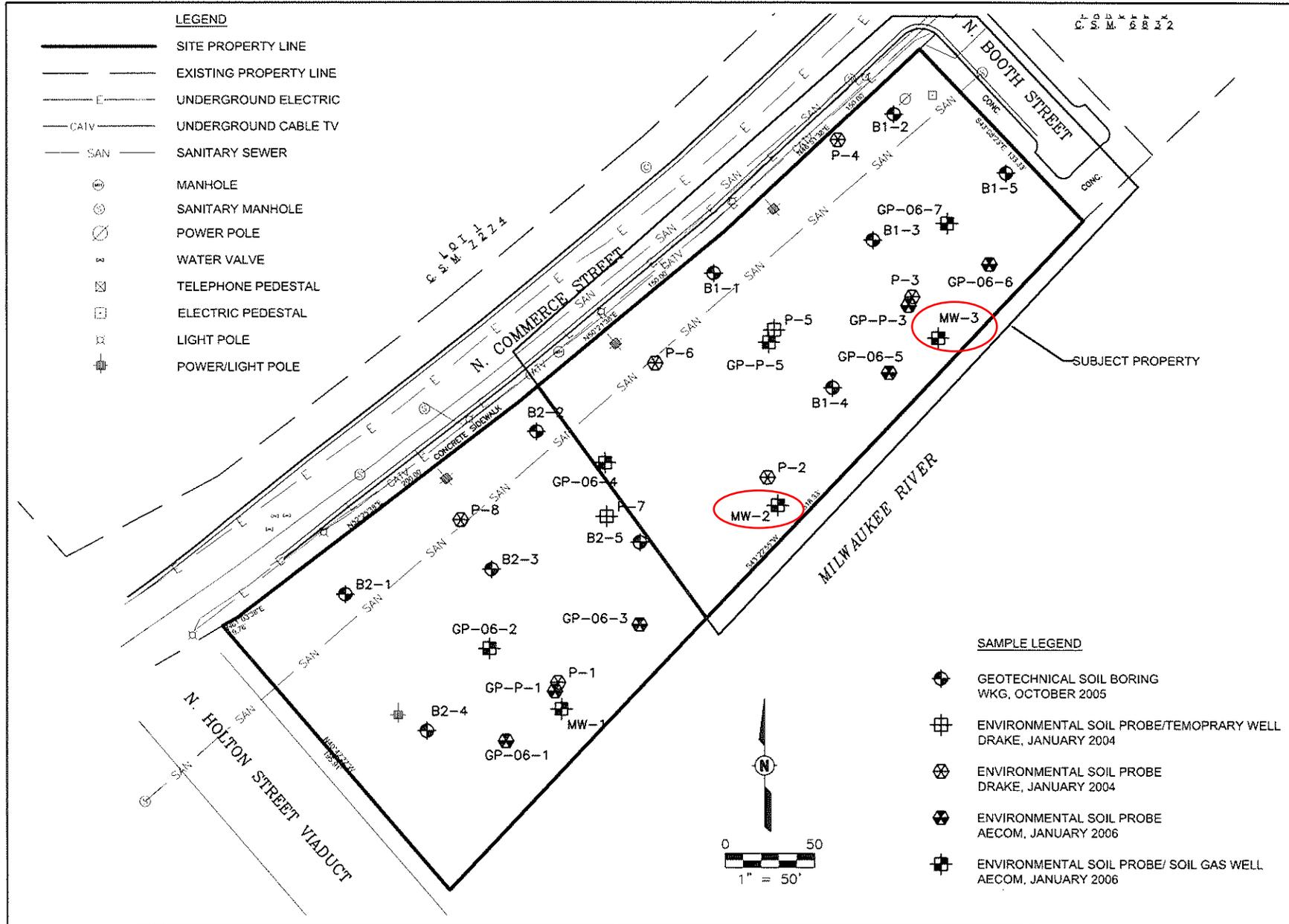
Notes:

- Bold value** = NR 140 Enforcement Standard Exceedance
- Italic value* = NR 140 WAC Preventive Action Limit Exceedance
- NA = Not analyzed

**IMPROPERLY ABANDONED
MONITORING WELL**

LEGEND

- SITE PROPERTY LINE
- EXISTING PROPERTY LINE
- UNDERGROUND ELECTRIC
- CAIV — UNDERGROUND CABLE TV
- SAN — SANITARY SEWER
- ⊕ MANHOLE
- ⊙ SANITARY MANHOLE
- ⊗ POWER POLE
- ⊕ WATER VALVE
- ⊗ TELEPHONE PEDESTAL
- ⊕ ELECTRIC PEDESTAL
- ⊗ LIGHT POLE
- ⊕ POWER/LIGHT POLE



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SITE LAYOUT
THE EDGE CONDOMINIUMS
1902 NORTH COMMERCE STREET
MILWAUKEE, WISCONSIN

SAMPLE LEGEND

- ⊕ GEOTECHNICAL SOIL BORING
WKG, OCTOBER 2005
- ⊕ ENVIRONMENTAL SOIL PROBE/TEMOPRRARY WELL
DRAKE, JANUARY 2004
- ⊗ ENVIRONMENTAL SOIL PROBE
DRAKE, JANUARY 2004
- ⊕ ENVIRONMENTAL SOIL PROBE
AECOM, JANUARY 2006
- ⊕ ENVIRONMENTAL SOIL PROBE/ SOIL GAS WELL
AECOM, JANUARY 2006

Drawn :	CJH	2/9/2010
Checked:	LLA	2/9/2010
Approved:	LLA	2/9/2010
PROJECT NUMBER	60144475	
FIGURE NUMBER	2	

X:\p\10\60144475\1060144475-WKGSUBS\DWG.dwg 11/17/2010 2:24:47 PM, PRINDIVILLE, SAKAKI STS.P

IMPROPERLY ABANDONED MONITORING WELL

State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 6-97

Facility/Project Name <u>Commerce St / The Edge</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <u>MW-2</u>
Facility License, Permit or Monitoring No.	Grid Origin Location (Check if estimated: <input type="checkbox"/>) Lat. _____ Long. _____ or St. Plane _____ ft. N, _____ ft. E. S/C/N	Wis. Unique Well No. _____ DNR Well Number _____
Facility ID	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. _____ <input type="checkbox"/> E <input type="checkbox"/> W	Date Well Installed <u>3-29-06</u>
Type of Well <u>monitoring well</u>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Well Installed By: (Person's Name and Firm) <u>John Demmeau & Mark Mitchell</u> <u>STS Consultants</u>
Distance Well Is From Waste/Source Boundary ft.		

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

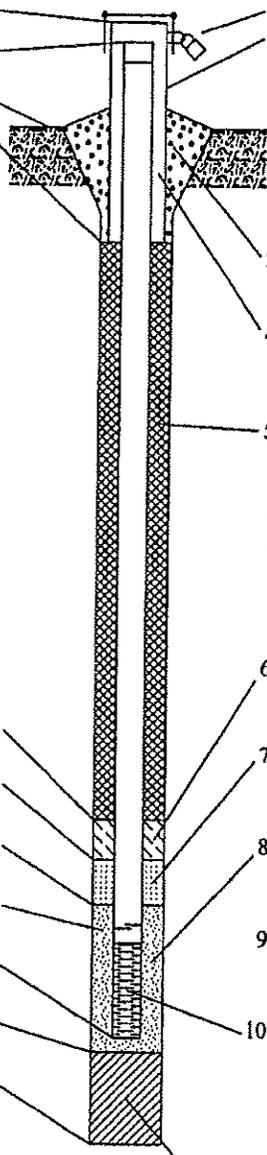
13. Sieve analysis attached? Yes No

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):



- Cap and lock? Yes No
- Protective cover pipe:
 - Inside diameter: 4 in.
 - Length: 4 ft.
 - Material: Steel 04
Other
 - Additional protection? Yes No
If yes, describe: _____
- Surface seal: Bentonite 30
Concrete 01
Other
- Material between well casing and protective pipe: Bentonite 30
Other
- Annular space seal:
 - Granular Bentonite 33
 - ____ Lbs/gal mud weight . Bentonite-sand slurry 35
 - ____ Lbs/gal mud weight . . . Bentonite slurry 31
 - ____ % Bentonite . . . Bentonite-cement grout 50
 - ____ Ft volume added for any of the above
 - How installed: Tremie 01
Tremie pumped 02
Gravity 08
- Bentonite seal:
 - Bentonite granules 33
 - 1/4 in. 3/8 in. 1/2 in. Bentonite pellets 32
 - Other
- Fine sand material: Manufacturer, product name and mesh size
a. 40/20 Silica SA (Badger)
b. Volume added _____ ft³
- Filter pack material: Manufacturer, product name and mesh size
a. 45/55 silica SA (Badger)
b. Volume added _____ ft³
- Well casing: Flush threaded PVC schedule 40 23
Flush threaded PVC schedule 80 24
Other
- Screen material: PVC
 - Screen Type: Factory cut 11
Continuous slot 01
Other
 - Manufacturer Buffalo
 - Slot size: 0.10 in.
 - Slotted length: 10.0 ft.
- Backfill material (below filter pack): None 14
Other

E. Bentonite seal, top _____ ft. MSL or 0 ft.
F. Fine sand, top _____ ft. MSL or 4.0 ft.
G. Filter pack, top _____ ft. MSL or 5.0 ft.
H. Screen joint, top _____ ft. MSL or 5.0 ft.
I. Well bottom _____ ft. MSL or 15.0 ft.
J. Filter pack, bottom _____ ft. MSL or 15.0 ft.
K. Borehole, bottom _____ ft. MSL or 15.0 ft.
L. Borehole, diameter 8.0 in.
M. O.D. well casing 2.0 in.
N. I.D. well casing 2.0 in.

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

Signature John Demmeau Firm STS Consultants Ltd. 1035 Kepler Drive, Green Bay, Wisconsin
Tel: 920-468-1978 Fax: 920-468-3312

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

**IMPROPERLY ABANDONED
MONITORING WELL**

State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 6-97

Facility/Project Name <u>Commerce St / The Edge</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <u>MW-3</u>
Facility License, Permit or Monitoring No.	Grid Origin Location (Check if estimated: <input type="checkbox"/>) Lat. _____ Long. _____ or St. Plane _____ ft. N, _____ ft. E. S/C/N	Wis. Unique Well No. _____ DNR Well Number _____
Facility ID	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. _____ <input type="checkbox"/> E <input type="checkbox"/> W	Date Well Installed <u>3-29-06</u>
Type of Well <u>Monitoring Well</u>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Well Installed By: (Person's Name and Firm) <u>John Deaneau & Mark Mitchell</u> <u>Sts Consultants</u>
Distance Well Is From Waste/Source Boundary ft. _____		

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

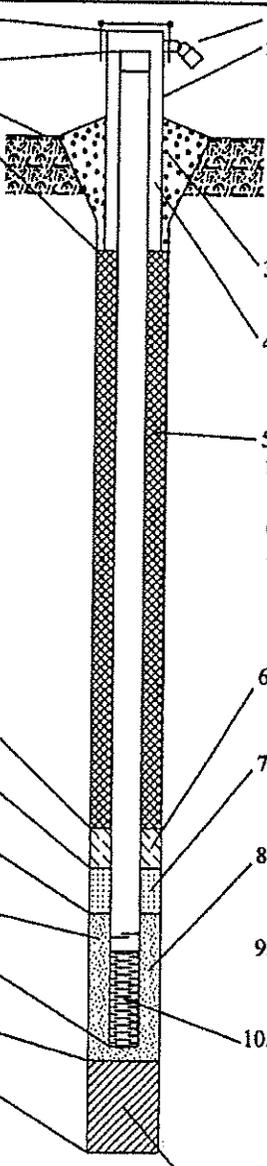
13. Sieve analysis attached? Yes No

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):



1. Cap and lock? Yes No

2. Protective cover pipe:
a. Inside diameter: 4 in.
b. Length: 4 ft.
c. Material: Steel 04
Other

d. Additional protection? Yes No
If yes, describe: _____

3. Surface seal: Bentonite 30
Concrete 01
Other

4. Material between well casing and protective pipe:
Bentonite 30
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 and mesh size
a. 40/70 Silica SA (Bulger)
b. Volume added _____ ft³

8. Filter pack material: Manufacturer, product name and mesh size
a. 45/55 Silica SA (Bulger)
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 Buffalo
c. Slot size: 010 in.
d. Slotted length: 10 ft.

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

E. Bentonite seal, top _____ ft. MSL or 0 ft.
F. Fine sand, top _____ ft. MSL or 4.0 ft.
G. Filter pack, top _____ ft. MSL or 5.0 ft.
H. Screen joint, top _____ ft. MSL or 5.0 ft.
I. Well bottom _____ ft. MSL or 15.0 ft.
J. Filter pack, bottom _____ ft. MSL or 15.0 ft.
K. Borehole, bottom _____ ft. MSL or 15.0 ft.
L. Borehole, diameter 8 in.
M. O.D. well casing 2 in.
N. I.D. well casing 2 in.

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

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