Submitted 12-Aug-11 ED

GIS REGISTRY
Cover Sheet

August 2011
(RR-5367)

Source Property Information

CLOSURE DATE: Aug 9, 2011

BRRTS #: 02-41-556481

FID #: 341197230

ACTIVITY NAME: Publik Parking, Inc.

DATCP #:

PROPERTY ADDRESS: 1601 North Chicago Avenue

PECFA#:

MUNICIPALITY: South Milwaukee, WI

PARCEL ID #: 771-9988

***WTM COORDINATES:**

X: 694675 Y: 273531

** 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*

FID# 341197230

State of Wisconsin Department of Natural Resources http://dnr.wi.gov	02-41-556481	**GIS Registry Checklist** Form 4400-245 (R 3/10) 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 #: 02-41-556481 PARCEL #: 771-9988

ACTIVITY NAME: Publik Parking, Inc. WTM COORDINATES: X: 694675 Y: 273531

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

- [x] **Closure Letter**
- [x] **Maintenance Plan** *(if activity is closed with a land use limitation or condition (land use control) under s. 292.12, Wis. Stats.)*
- [ ] **Continuing Obligation Cover Letter** (for property owners affected by residual contamination and/or continuing obligations)
- [ ] **Conditional Closure Letter**
- [ ] **Certificate of Completion (COC)** (for VPLE sites)

SOURCE LEGAL DOCUMENTS

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

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

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

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

- [x] **Location Map:** A map outlining all properties within the contaminated site boundaries on a U.S.G.S. topographic map or plat map in sufficient detail to permit easy location of all parcels. If groundwater standards are exceeded, include the location of all potable wells within 1200 feet of the site.
  Note: *Due to security reasons municipal wells are not identified on GIS Packet maps. However, the locations of these municipal wells must be identified on Case Closure Request maps.*

  Figure #: 1 **Title: Site Location Map**
- [x] **Detailed Site Map:** A map that shows all relevant features (buildings, roads, individual property boundaries, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding a ch. NR 140 Enforcement Standard (ES), and/or in relation to the boundaries of soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Levels (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.

  Figure #: 2 **Title: Site Layout Showing Soil Probe, Boring, and Well Location Diagram**
- [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 #: 2 **Title: Site Layout Showing Soil Probe, Boring, and Well Location Diagram**

BRRTS #: 02-41-556481 ACTIVITY NAME: Publik Parking, 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 #: NA **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 #: NA **Title:**

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

Figure #: **Title:**

Figure #: **Title:**

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

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

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

Table #: 2A/2B/2C **Title: Laboratory Analytical Results for Soil Sample - RCRA Metals/VOCs/PAHs and PCBs**

☐ **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:**

☐ **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 #: **Title:**

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

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

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

BRRTS #: ACTIVITY NAME: Publik Parking, Inc.

NOTIFICATIONS

Source Property

☒ **Not Applicable**

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

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

Off-Source Property

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

☒ **Not Applicable**

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

Number of "Off-Source" Letters:

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

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

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

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

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

Scott Walker, Governor
Cathy Stepp, Secretary
John Hammen, Acting Regional Director
Telephone 414-263-8500
FAX 414-263-8606
TTY Access via relay - 711

August 9, 2011

Ms. Marilyn Graves
Publik Parking, Inc.
8307 South 100th Street
Franklin, WI 53132

Subject: Final Case Closure with Continuing Obligations And NR 140 PAL Exemption
Publik Parking, Inc.
1601 North Chicago Avenue
South Milwaukee, Wisconsin 53172
FID #: 341197230; BRRTS #: 02-41-556481

Dear Ms. Graves:

On March 1, 2011, the Southeast Region Closure Committee reviewed the case closure request regarding soil and groundwater contamination related to volatile organic compounds (VOCs), polyaromatic hydrocarbons (PAHs) and metals. The Committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On April 20, 2011, you were notified that the Closure Committee requested additional information to complete the case closure determination.

On April 28, 2011, the Department received information or documentation indicating that you have complied with the requirement for closure determination. The requirement was a request to the RP to provide a soil RCL extent map for the VOCs, PAHs and metals contamination that are left in-place at the site and a modified cap/barrier maintenance plan for the residual soils contamination that are above direct contact levels and/or pose groundwater pathway threat.

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
- If a structural impediment that obstructed a complete site investigation or cleanup is removed or modified, additional environmental work must be completed
- Before the land use may be changed from industrial to non-industrial, additional environmental work must be completed
- Pavement, an engineered cover or a soil barrier must be maintained over contaminated soil and the state must approve any changes to this barrier.

All site information, including the maintenance plan, is also on file at the Southeast Regional DNR office, at 2300 N. Dr. MLK Jr. Drive, Milwaukee, WI 53212. This letter and information that was submitted with your closure request application, including the maintenance plan, will be included on the GIS Registry, in a PDF attachment. To review the sites on the GIS Registry web page, visit the RR Sites Map page at http://dnr.wi.gov/org/aw/rr/gis/index.htm. If the property is listed on the GIS Registry because of remaining contamination and you intend to construct or reconstruct a well, you will need prior Department approval in accordance with s. NR 812.09(4) (w), Wis. Adm. Code. To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line at http://dnr.wi.gov/org/water/dwg/3300254.pdf or at the web address listed above for the GIS Registry.

Closure Conditions

Please be aware that pursuant to s. 292.12 Wisconsin Statutes, compliance with the requirements of this letter is a responsibility to which you the current property owner 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.

Impervious Barrier Required

Pursuant to s. 292.12(2)(a), Wis. Stats., the concrete, asphalt and gravel paved surface and slab-on-grade building foundation or other impervious cap that currently exists in the location shown on the attached map **(Figure 1, Cap Maintenance Plan: Estimated Extent of WAC 720 Soil RCL Exceedances, Publik Parking, 1601 North Chicago Avenue, South Milwaukee, Wisconsin),** 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. If soil in the specific locations described above 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.

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 **(Figure 1, Cap Maintenance Plan: Estimated Extent of WAC 720 Soil RCL Exceedances, Publik Parking, 1601 North Chicago Avenue, South Milwaukee, Wisconsin)**, 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

Recent groundwater monitoring data at this site indicates exceedances of the NR 140 preventive action limit (PAL) for Naphtalene and 1,1,2-Trichloroethane at monitoring well GP-14; Cadmium at monitoring well B-2 and arsenic at monitoring well GP-4 but compliance with the NR 140 enforcement standard.

The Department may grant an exemption to a PAL for a substance of public health concern, 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.

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 the above criteria have been or will be met due to delineation and low-level soil and groundwater impacts identified on the property. Therefore, pursuant to s. NR 140.28(2)(b), Wis. Adm. Code, an exemption to the PAL is granted for Naphtalene and 1,1,2-Trichloroethane at monitoring well GP-14; Cadmium at monitoring well B-2 and Arsenic at monitoring well GP-4. This letter serves as your exemption.

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.

Post-Closure Notification Requirements

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

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

Please send written notifications in accordance with the above requirements to Southeast Region RR Program, 2300 N. Dr. MLK Jr., Drive, Milwaukee, WI 53212, to the attention of 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 Eric Amadi at (414) 263-8639.

Sincerely,

James A. Schmidt

James A. Schmidt, Team Supervisor
SER Remediation & Redevelopment Program
Milwaukee Service Center

Enclosures: Figure 1: Cap Maintenance Plan: Estimated Extent of WAC 720 Soil RCL Exceedances, Publik Parking, 1601 North Chicago Avenue, South Milwaukee, Wisconsin.
Maintenance Plan

cc: Richard Mazurikiewicz - AECOM, 11425 W. Lake Park Dr, Suite 100, Milwaukee, WI 53224
SER Case File #: 02-41-556481

Cap/Barrier Maintenance Plan
Publik Parking, Inc.
1601 North Chicago Avenue, South Milwaukee, Wisconsin 53172
WDNR BRRTS: 02-41-556481
FID: 341197230
Date: April 26, 2011

Introduction

This document is the Cap/Barrier Maintenance Plan (Maintenance Plan) for the existing concrete, asphalt, and gravel paved surface and slab-on-grade building foundations (cap/barrier) at the above-referenced property (Site) in accordance with the requirements of Wisconsin Administrative Code (WAC) Chapter (ch.) NR 724.13(2). The maintenance activities relate to the cap/barrier occupying the area over the contaminated soil containing residual contaminant concentrations exceeding the WAC Ch. NR 720 Residual Contaminant Levels (RCLs) at the Site. The contaminated soil is impacted by metals (arsenic, barium, cadmium, lead, silver, and mercury) and polycyclic aromatic hydrocarbons (PAHs; Benzo[a]anthracene, benzo[b]pyrene, benzo[b]fluoranthene, benzo[g, h, i]perylene, benzo[k]fluoranthene, dibenzo[a,h]anthracene, indeno[1 ,2,3-cd]pyrene, naphthalene, and phenanthrene). The location of the cap/barrier to be maintained in accordance with this Maintenance Plan, as well as the extent of impacted soil, is included as **Figure 1**.

Cap/Barrier Purpose

The cap/barrier over the contaminated soil and groundwater plume serves as a barrier to prevent direct human contact with residual soil contamination that might otherwise pose a threat to human health. The cap/barrier also acts as a partial infiltration barrier to minimize future soil-to-groundwater contamination migration that would violate the groundwater standards in WAC ch. NR 140. Based on the current and future use of the property, the cap/barrier should function as intended unless disturbed or not maintained.

Cap/Barrier Maintenance

In order to maintain the integrity of the concrete, asphalt, and gravel cap/barrier, Publik Parking, Inc., and subsequent site owners, will maintain a copy of this Maintenance Plan at the Site, available for inspection by any interested parties (on-Site employees, contractors, future Site owners, *etc.*). If the cap/barrier becomes damaged or degraded, exposing the underlying impacted soil, the following actions will be taken:

- Notify the Property Owner within 24 hours;
- Restore the damaged area of the cap/barrier as soon as possible, in coordination with the Property Owner, to specifications matching or exceeding those of the current cap/barrier; and
- Record the damage and the restoration activities on a cap/barrier maintenance inspection log (the Log; Attachment 1) to be kept with the Maintenance Plan.

If the disturbance to the cap/barrier is planned (*i.e.,* as a result of utility installation, construction, remodeling, repair, *etc.*), the following actions will be taken by the Property Owner or his designee:

- Notify the Wisconsin Department of Natural Resources (WDNR) in advance of any planned disturbance or change to the cap/barrier;
- Provide a copy of this Maintenance Plan to all private and public utilities installing or upgrading utilities and all contractors and/or on-Site employees conducting construction, remodeling, repair, or decommissioning activities in the area of the residual impacted soils;
- Monitor the excavation of subsurface soil in the areas designated as containing residual impacted

soils by field observations and/or laboratory analysis of soil samples, as appropriate;

- Dispose of all impacted soil excavated from the restricted area (or otherwise, based on infield observations and laboratory results) in accordance with applicable solid and/or hazardous waste rules and regulations;
- Restore the excavated area to specifications matching or exceeding those of the current cap/barrier;
- Record the cap/barrier disturbance, disposal of the impacted soils, and the cap/barrier restoration activities on the Log (or similar, as developed by the Property Owner) to be kept with the Maintenance Plan; and
- Provide the WDNR with documentation regarding changes and/or repairs made to the cap/barrier as a result of the planned disturbance.

This Maintenance Plan may be amended or withdrawn by the current Site owner and their successors if it is determined that the residual soils no longer present a risk to human health or the environment and that presence of the cap/barrier no longer required. Written approval from the WDNR will be required.

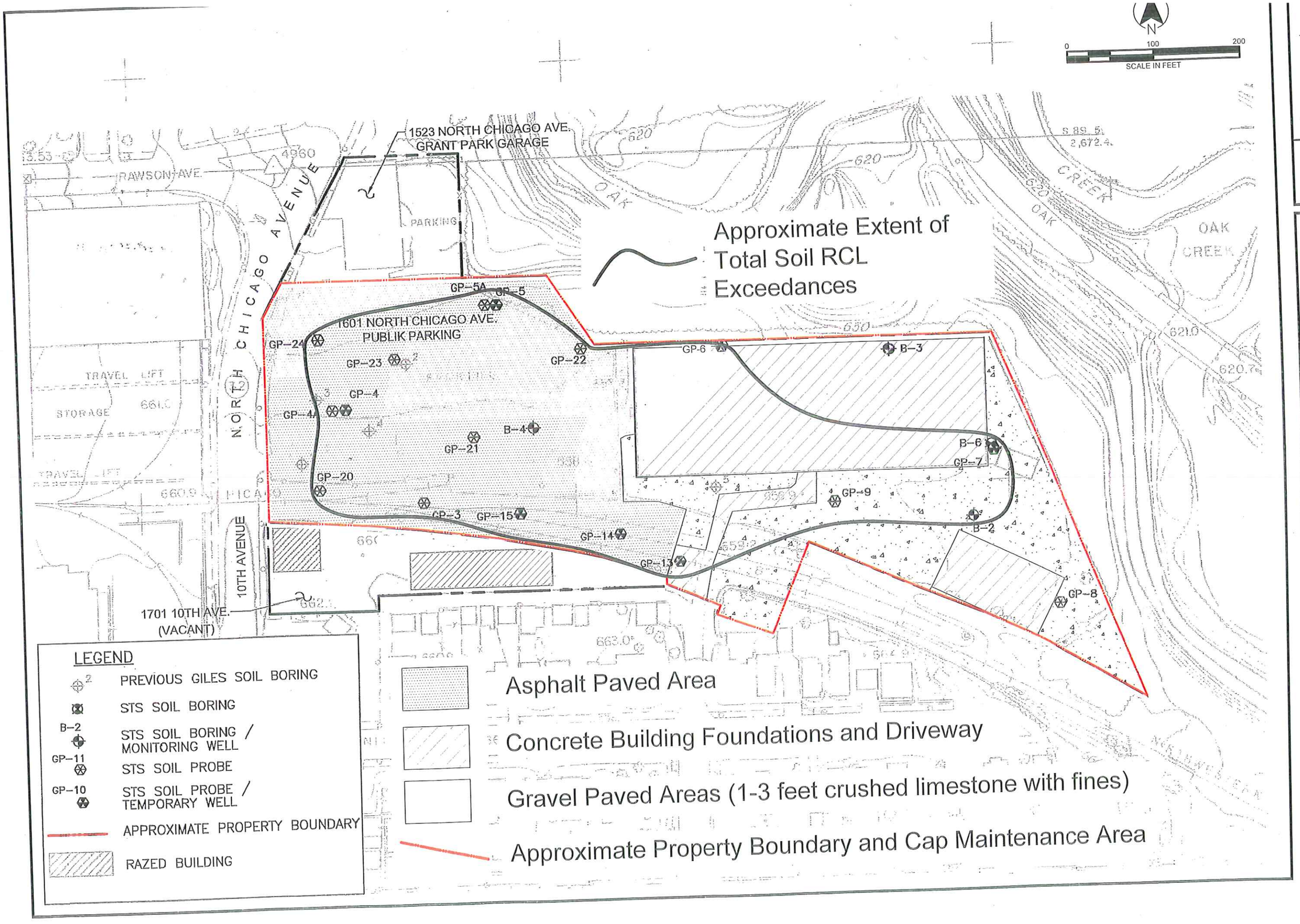
Inspections and Reporting Requirements

Either Publik Parking, Inc. or its successors will conduct annual inspections of the cap/barrier overlying the contaminated soil, as depicted in Figure 1. The inspection will be performed in the spring after all snow and ice is gone, for deterioration, cracks and other potential problems that can cause additional infiltration into or exposure to underlying soil. The inspection will be performed to evaluate damage to the cap/barrier due to settling, exposure to the weather, wear from traffic, increasing age and other factors. Any area where soils have become or are likely to become exposed will be documented. A log of the inspections and any repairs will be maintained by the property owner on the Log. The Log will be maintained as long as the cap/barrier is required to address impacted soils at the Site. The Log will be available upon request by the WDNR during Site inspections. This Maintenance Plan may be amended or withdrawn by the current Site owner and its successors if it is determined that the impacted soils no longer present a potential risk to human health or the environment and that presence of the cap/barrier is no longer required. Written approval from the WDNR will be required.

Contact Information as of April 2011:

Responsible Party: (Site Owner/Operator)	Marilyn Graves 8307 South 100th Street Franklin, WI 53132 414-427-5805
Environmental Consultant:	AECOM, Inc. 11425W. Lake Park Drive, Suite 100 Milwaukee, Wisconsin 53224 414-359-3030
WDNR:	Mr. Eric Amadi WDNR – Southeast Region 2300 N Dr. Martin Luther King Jr. Drive Milwaukee, WI 53212 Phone: 414-263-8639

Attachment: Cap/Barrier Maintenance Inspection Log



NO.	DESCRIPTION:	DATE:

DRAWN BY: rpm
CHECKED BY: MF
APPROVED BY: MF

AECOM

AECOM Environment
11425 W Lake Park Dr. Ste 100
Milwaukee, WI 53224
T 414.359.3030 F 414.359.0822
www.aecom.com

Estimated Extent of WAC 720 Soil RCL Exceedances
Publik Parking, Inc.
1601 North Chicago Avenue
South Milwaukee, Wisconsin

AECOM PROJECT: 60164002
DATE: 4/25/2011
SCALE: AS NOTED

Figure
1
CAP Maintenance Plan

Cap/Barrier Maintenance Inspection Log

1601 North Chicago Avenue,
South Milwaukee, Wisconsin 53172
BRRTS: 02-41-556481

Inspection Date	Inspector Name & Signature	Observations	Actions

N1D5B. N1D5C. N2H1A. N2H2A. N2H4A

REEL 2581 IMAGE 1470 RR.R.O. Wi. ody, in N

(Box 1 Recorded in)

STATE BAR OF WISCONSIN FORM 1 — 1988

WARRANTY DEED

6492831

REGISTER'S OFFICE
Milwaukee County, Wis.
RECORDED AT 3:10 PM
JUN 18 1991
REEL 2581 IMAGE 1470-1471
REGISTER OF DEEDS

This Deed, made between Bucyrus-Erie Company, a Delaware corporation, Grantor, and Publix Parking, Inc., Grantee,

Witnesseth, That the said Grantor, for a valuable consideration, conveys to Grantee the following described real estate in Milwaukee County, State of Wisconsin:

LAYTON STATE BANK
2740 W. FOREST HOME AVE.
MILWAUKEE, WISCONSIN 53219

Tax Key No: 771-9988

Legal Description Attached

Also included are five cranes now on the premises, viz:
1 - Five-Ton Crane;
2 - Three-Ton Cranes;
2 - Two-ton Cranes.

6492831
RECORD 10.30
RTK 1200.00

TRANSFER FEE $1200.00

JUN 18 1991

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

Together with all and singular the hereditaments and appurtenances thereunto belonging;

And Grantor warrants that the title is good, indefeasible in fee simple and free and clear of encumbrances except taxes for 1990 and subsequent years; restrictions and agreements of record; streets and alleys; rights of the railroad company and others to ties, rails and other property constituting the siding on the premises and to the use thereof; encroachments and possible adverse possession and rights arising thereunder.
and will warrant and defend the same.
*as against persons claiming by, through, from or under Grantor

Dated this 31st day of May, 1991.

Bucyrus-Erie Company

By: N. J. Varville
N. J. Varville
Vice President - Finance

(SEAL) (SEAL)

AUTHENTICATION

Signature(s)

authenticated this day of, 19

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

THIS INSTRUMENT WAS DRAFTED BY
David M. Goelzer

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

ACKNOWLEDGMENT

STATE OF WISCONSIN
Milwaukee County, } ss.

Personally came before me this 31st day of May, 1991, the above named N. J. Varville, Vice President - Finance of Bucyrus-Erie Company, to me known to be the persons who executed the foregoing instrument and acknowledged the same.

Notary Public, State of Wisconsin
My Commission is permanent. (If not, state expiration date: March 14, 1993.)

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

WARRANTY DEED — STATE BAR OF WISCONSIN FORM No. 1 — 1988 — Wisconsin Legal Blank Co. Inc. Milwaukee, Wis.

REEL 2581 IMAGE 1471

Being all of Lots 2 through 9, inclusive, of Block 76 (along with adjacent alley to east) of the Map of Addition No. 5 to the Town Site of South Milwaukee, and a part of the Northwest 1/4 of the Northeast 1/4 of Section 11, Township 5 North, Range 22 East, in the City of South Milwaukee, Milwaukee County, Wisconsin, more fully described as follows:

Commencing at the North 1/4 corner of said Section 11; thence East, along the North line of said Northeast 1/4, 362.75 feet to a point being on the Easterly right-of-way line of Chicago Avenue; thence South 26°28'00" West, along said Easterly right-of-way line, 148.74 feet to the point of beginning of the hereinafter described lands; thence East, along a line parallel to and 133.15 feet South of said North line, 293.23 feet to a point; thence South 31°33'40" East, 96.60 feet to a point; thence East, along a line running parallel to and 215.46 feet South of the North line of said Northeast 1/4, 454.77 feet to a point; thence South 22°25'28" East, 472.40 feet to a point being on the Northerly right-of-way line of the Chicago and Northwestern Railroad; thence along said Northerly right-of-way line, 438.44 feet along the arc of a curve to the left, with a radius of 1960.00 feet; whose chord bears North 63°21'50" West, 437.53 feet to a point; thence South 20°13'39" West, 100.00 feet to a point being on the Southerly right-of-way line of the Chicago and Northwestern Railroad Co., thence along said Southerly right-of-way line, 77.90 feet along the arc of a curve to the left, with a radius of 1860.00 feet; whose chord bears North 70°38'20.5" West, 77.90 feet to a point; thence continuing along said Southerly right-of-way line, North 17°49'40" East, 25.00 feet to a point; thence continuing along said southerly right-of-way line, 524.41 feet along the arc of curve to the left, with a radius of 1885.00 feet; whose chord bears North 80°08'31.5" West, 522.72 feet to the Northwest corner of Lot 10, Block 76, of the Map of Addition No. 5 to the Town Site of South Milwaukee, said point being on the Easterly right-of-way line of Chicago Avenue; thence North 00°39'00" East, along said Easterly right-of-way line, 227.15 feet to a point; thence continuing along said Easterly right-of-way line, North 26°28'00" East, 56.80 feet to the place of beginning.

Quick Print From Examiners Program

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South Milwaukee - City --- (Milwaukee) --- SM

File #: 04/29/2010

2009 Real Estate Tax Roll Information

TAX KEY NO.	TAX ROLL ADDRESS	TAX ROLL NAME
771-9988	1601 N CHICAGO AVE	PUBLIK PARKING INC

LAND USE: Mercantile

LAND: $ 400,000.00 IMPROVEMENT: $ 400,000.00 TOTAL: $ 800,000 MARKET VALUE: $ 796,400.00

Tax Roll Name	PUBLIK PARKING INC
Tax Roll Address	1601 N CHICAGO, PO 177
City, State, Zip	SOUTH MILWAUKEE WI 53172

TAX BEFORE LOTTERY CREDIT	17,830.95		
ASSMNT & MISC CHARGES	128.00		
WOODLAND TAX	0.00		
LOTTERY CREDIT	0.00		
Total:	17,958.95	Paid as of:	12/28/2009
Payments:	17,958.95	As of:	02/08/2010
Outstanding Balance:	0.00		

Legal Description: 8-596

LAND & LOT 9 BLK 76 ADD #5, TOWNSITE OF SO MILW. IN NE 1/4 SEC 11 5 22, COM AT SW COR SD LOT 9 TH SELY ALG S

The above "ASSMNT & MISC CHARGES" includes a storm water fee.The above "ASSMNT & MISC CHARGES" includes a fire inspection fee.

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This print-out includes information which has not been searched, examined or verified by CTIC.

LEGAL DESCRIPTION

ALL OF LOTS 2 THROUGH 9, INCLUSIVE, OF BLOCK 76 (ALONG WITH ADJACENT ALLEY TO EAST) OF THE MAP OF ADDITION NO. 5 TO THE TOWN SITE OF SOUTH MILWAUKEE, AND A PART OF THE NORTHWEST ¼ OF THE NORTHEAST ¼ OF SECTION 11, TOWN 5 NORTH, RANGE 22 EAST, IN THE CITY OF SOUTH MILWAUKEE, COUNTY OF MILWAUKEE, STATE OF WISCONSIN, MORE FULLY DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTH ¼ CORNER OF SAID SECTION 11; THENCE EAST ALONG THE NORTH LINE OF SAID NORTHEAST ¼, 362.75 FEET TO A POINT BEING ON THE EASTERLY RIGHT-OF-WAY LINE OF CHICAGO AVENUE; THENCE SOUTH 26 DEG 28' 00" WEST, ALONG SAID EASTERLY RIGHT-OF-WAY LINE, 148.74 FEET TO THE POINT OF BEGINNING OF THE HEREINAFTER DESCRIBED LANDS; THENCE EAST, ALONG A LINE PARALLEL TO AND 133.15 FEET SOUTH OF SAID NORTH LINE, 293.23 FEET TO A POINT; THENCE SOUTH 31 DEG 33' 40" EAST, 96.60 FEET TO A POINT; THENCE EAST ALONG A LINE RUNNING PARALLEL TO AND 215.46 FEET SOUTH OF THE NORTH LINE OF SAID NORTHEAST ¼, 454.77 FEET TO A POINT; THENCE SOUTH 22 DEG 25' 28" EAST, 472.40 FEET TO A POINT BEING ON THE NORTHERLY RIGHT-OF-WAY LINE OF THE CHICAGO AND NORTHWESTERN RAILROAD; THENCE ALONG SAID NORTHERLY RIGHT-OF-WAY LINE, 438.44 FEET ALONG THE ARC OF A CURVE TO THE LEFT, WITH A RADIUS OF 1960.00 FEET; WHOSE CHORD BEARS NORTH 63 DEG 21' 50" WEST, 437.53 FEET TO A POINT; THENCE SOUTH 20 DEG 13' 39" WEST, 100.00 FEET TO A POINT BEING ON THE SOUTHERLY RIGHT-OF-WAY LINE OF THE CHICAGO AND NORTHWESTERN RAILRAOD CO.; THENCE ALONG SAID SOUTHERLY RIGHT-OF-WAY LINE, 77.90 FEET ALONG THE ARC OF A CURVE TO THE LEFT, WITH A RADIUS OF 1860.00 FEET; WHOSE CHORD BEARS NORTH 70 DEG 58' 20.5" WEST, 77.90 FEET TO A POINT; THENCE CONTINUING ALONG SAID SOUTHERLY RIGHT-OF-WAY LINE, NORTH 17 DEG 49' 40" EAST, 25.00 FEET TO A POINT; THENCE CONTINUING ALONG SAID SOUTHERLY RIGHT-OF-WAY LINE, 524.41 FEET ALONG THE ARC OF CURVE TO THE LEFT, WITH A RADIUS OF 1885.00 FEET; WHOSE CHORD BEARS NORTH 80 DEG 08' 31.5" WEST, 522.72 FEET TO THE NORTHWEST CORNER OF LOT 10, BLOCK 76, OF THE MAP OF ADDITION NO. 5 TO THE TOWN SITE OF SOUTH MILWAUKEE, SAID POINT BEING ON THE EASTERLY RIGHT-OF-WAY LINE OF CHICAGO AVENUE; THENCE NORTH 00 DEG 39' 00" EAST, ALONG SAID EASTERLY RIGHT-OF-WAY LINE, 227.15 FEET TO A POINT; THENCE CONTINUING ALONG SAID EASTERLY RIGHT-OF-WAY LINE, NORTH 26 DEG 28' 00" EAST, 56.80 FEET TO THE PLACE OF BEGINNING.
EXCEPTING THEREFROM THAT PART CONVEYED BY AN INSTRUMENT RECORDED JANUARY 17, 1992 ON REEL 2695, IMAGE 7, AS DOCUMENT NO. 6560735; AND FURTHER EXCEPTING THAT PART CONVEYED BY AN INSTRUMENT RECORDED DECEMBER 13, 1991 ON REEL 2965, IMAGE 4, AS DOCUMENT NO. 6560733.

TAK KEY NO: 771-9988
PROPERTY ADDRESS: 1601 N. CHICAGO AVE., SOUTH MILWAUKEE, WI 53172

City of South Milwaukee Property Data

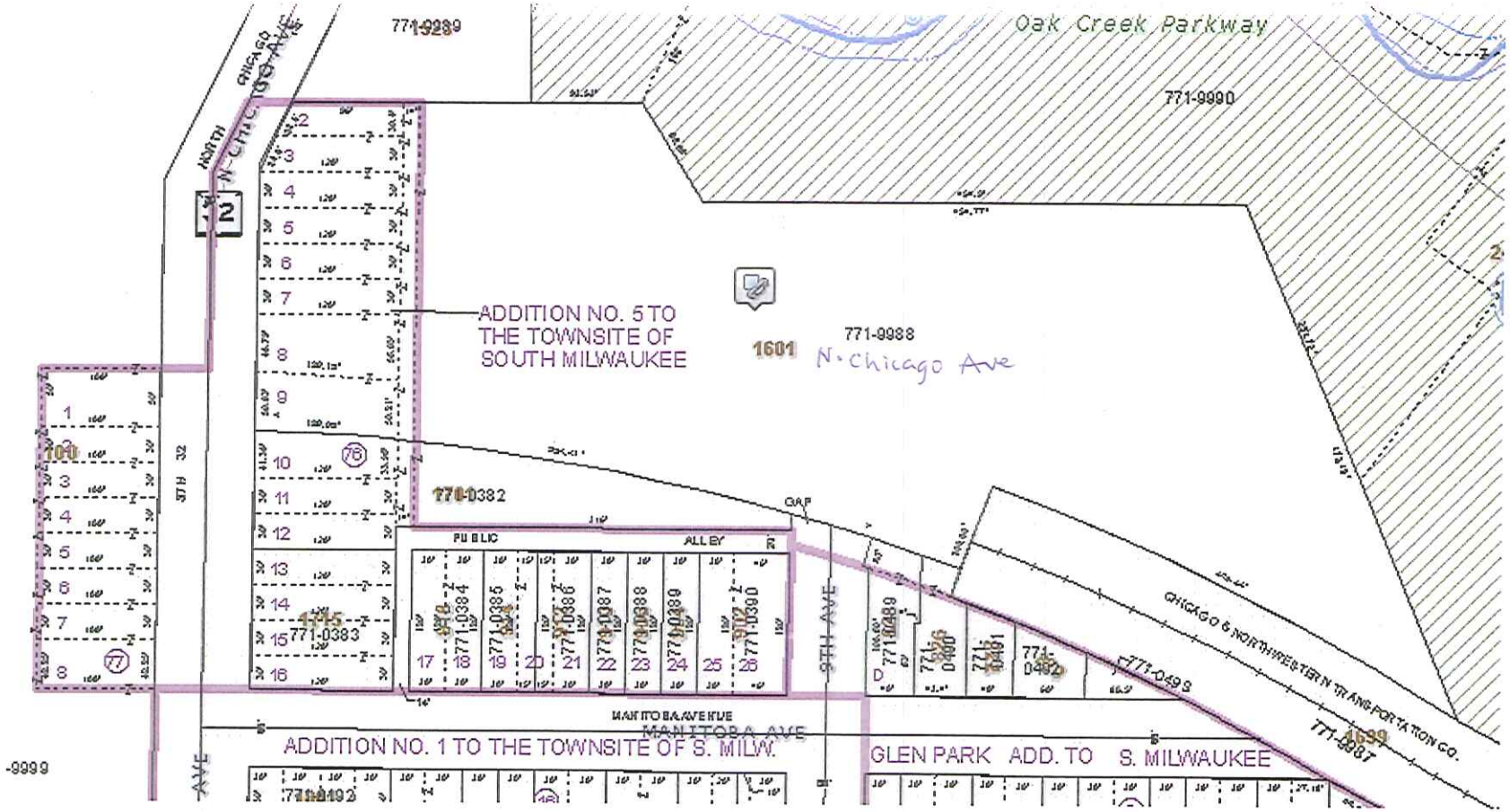
Tax Key	Parcel Address
7719988	1601 N CHICAGO AVE
Owner Last	Owner First
PUBLIK PARKING INC	
Co-Owner	
Owner Address	
1601 N CHICAGO, PO 177	
Owner City, State, Zip	
SOUTH MILWAUKEE,WI 531720177	

NEIGHBORHOOD	LAND	FRONTAGE	LIV. UNIT
771	$400,000	284	1
ZONING	IMPROVEMENT	DEPTH	YR BUILT
M2	$400,000	0	1929
LANDUSE	TOTAL	LOT SQFT	BLDGSTYLE
COM	$800,000	250,165	INDUSTRIAL
LANDUSE PLAN	FMV	ACRES	TOTAL SQ FT
MU_R	$753,000	6.11	66,096
USE CODE	TAXES	GRADE	FIRST FLOOR
INDUSTRIAL	$18,361.56	C	66096
DISTRICT			2ND FLOOR
1			0
WARD			FIN ATTIC
4			
CENSUS			BASEMENT
1701-3010			0
TIF			FIN BASEMENT
0			0
EXEMPT			REC ROOM
0			0
			WALL COVER
			STEEL PANEL

LEGAL

LAND & LOT 9 BLK 76 ADD #5, TOWNSITE OF SO MILW. IN NE 1/4 SEC 11 5 22, COM AT SW COR SD LOT 9 TH SELY ALG S

For help, please contact the Administrator


Oak Creek Parkway
771-9990
771-9989
ADDITION NO. 5 TO
THE TOWNSITE OF
SOUTH MILWAUKEE
1601
771-9988
N. Chicago Ave
771-0382
PUBLIC ALLEY
771-0383
771-0384
771-0385
771-0386
771-0387
771-0388
771-0389
771-0390
771-0489
771-0490
771-0491
771-0492
771-0493
9TH AVE
CHICAGO & NORTHWESTERN TRANSPORTATION CO.
MANITOBA AVENUE
MANITOBA AVE
ADDITION NO. 1 TO THE TOWNSITE OF S. MILW.
GLEN PARK ADD. TO S. MILWAUKEE
771-9987
1639
771-0492

Flex Viewer

Powered by ArcGIS Server

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1

FIGURE 1 Plat Map
(without aerial photo)

Property Owner Verification of Deed

I certify that the legal description, as entered on the attached property deed, for the Publik Parking, Inc. Site located at 1601 North Chicago Avenue in South Milwaukee, Wisconsin is complete and accurate.

SIGNED this 25th day of November, 2010.

OWNER

By: Marilyn L. Graves MARILYN L. GRAVES

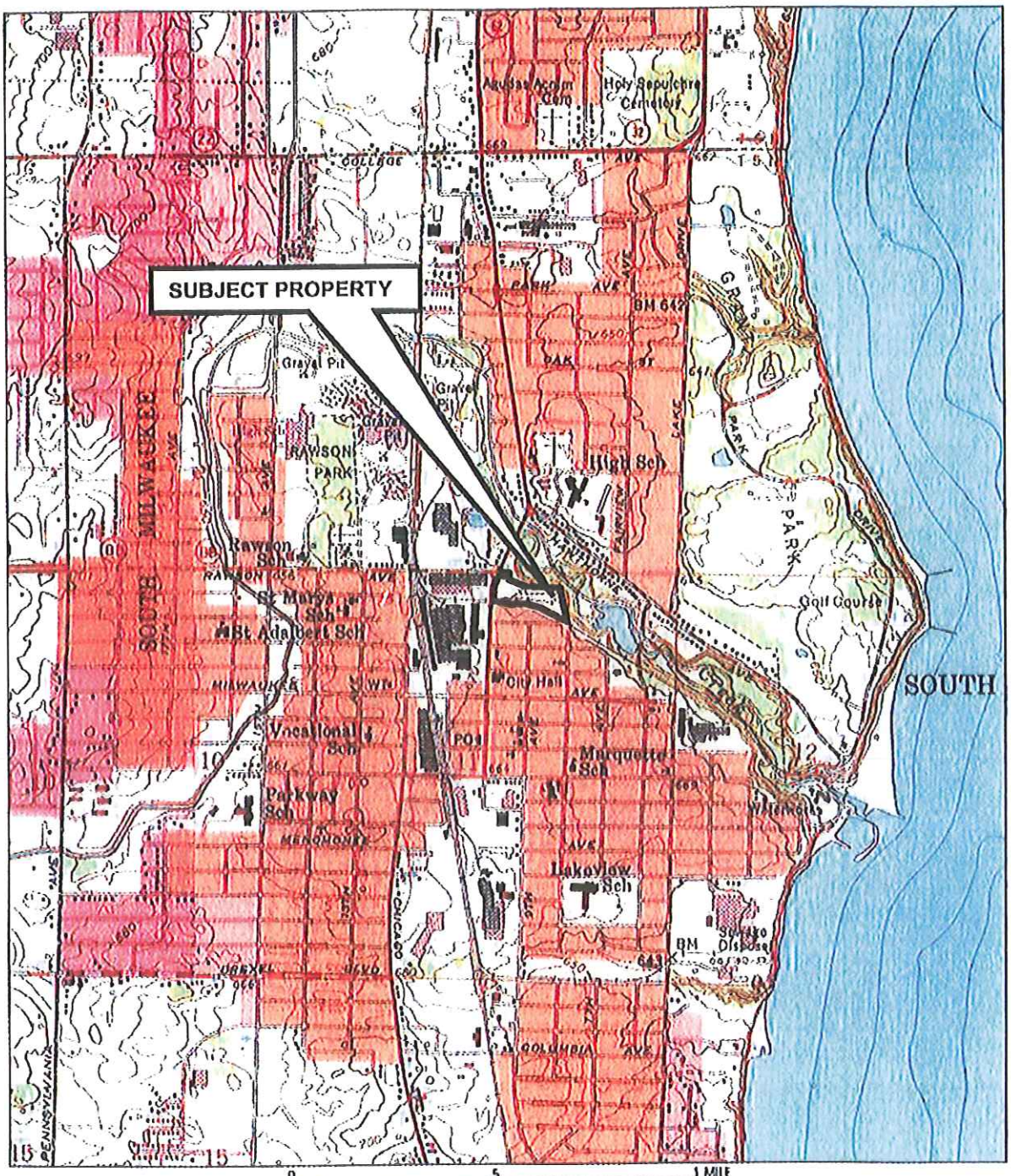
Name: Marilyn L. Graves

Title: Pres. "VIP" – owner of

Company: Publik Parking Inc.

Attachment: Property deed

Taken from: STS Report dated February 2005. "Phase II Environmental Site Assessment, City of South Milwaukee Brownfield Site."



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

Approximate Scale: 1" = 2,000'

STS Consultants
11425 W. Lake Park Dr.
Milwaukee, WI 53224
414--359--3030
www.stsconsultants.com
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SITE LOCATION MAP
PHASE I ENVIRONMENTAL SITE ASSESMENT
TAX INCREMENTAL DISTRICT NO. 3, AREA 1
NORTH CHICAGO AVENUE
SOUTH MILWAUKEE, WISCONSIN

Drawn:	DLM	6/25/2004
Checked:	DEF	6/25/2004
Approved:	TWK	6/28/2004
PROJECT NUMBER	87626XA	
FIGURE NUMBER	1	

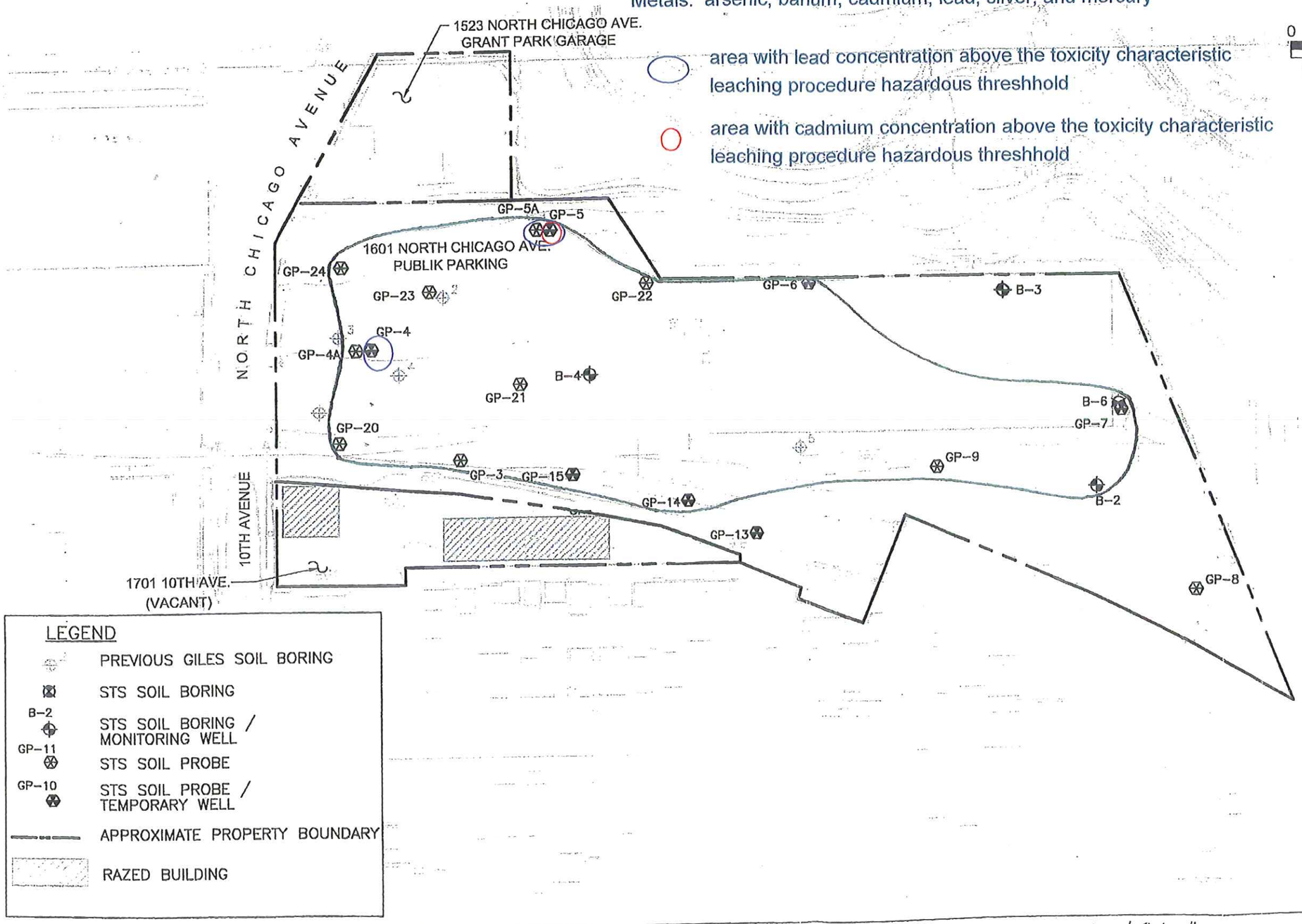
= Approximate extent of soil concentrations that exceed WAC Ch. NR 720 RCLS.

PAHs: benzo[a]anthracene, benzo[b]pyrene, benzo[b]fluoranthene, benzo[g,h,i]perylene, benzo[k]fluoranthene, dibenzo[a,h]anthracene, indeno[1,2,3-cd]pyrene, naphthalene, and phenanthrene

Metals: arsenic, barium, cadmium, lead, silver, and mercury

area with lead concentration above the toxicity characteristic leaching procedure hazardous threshhold

area with cadmium concentration above the toxicity characteristic leaching procedure hazardous threshhold



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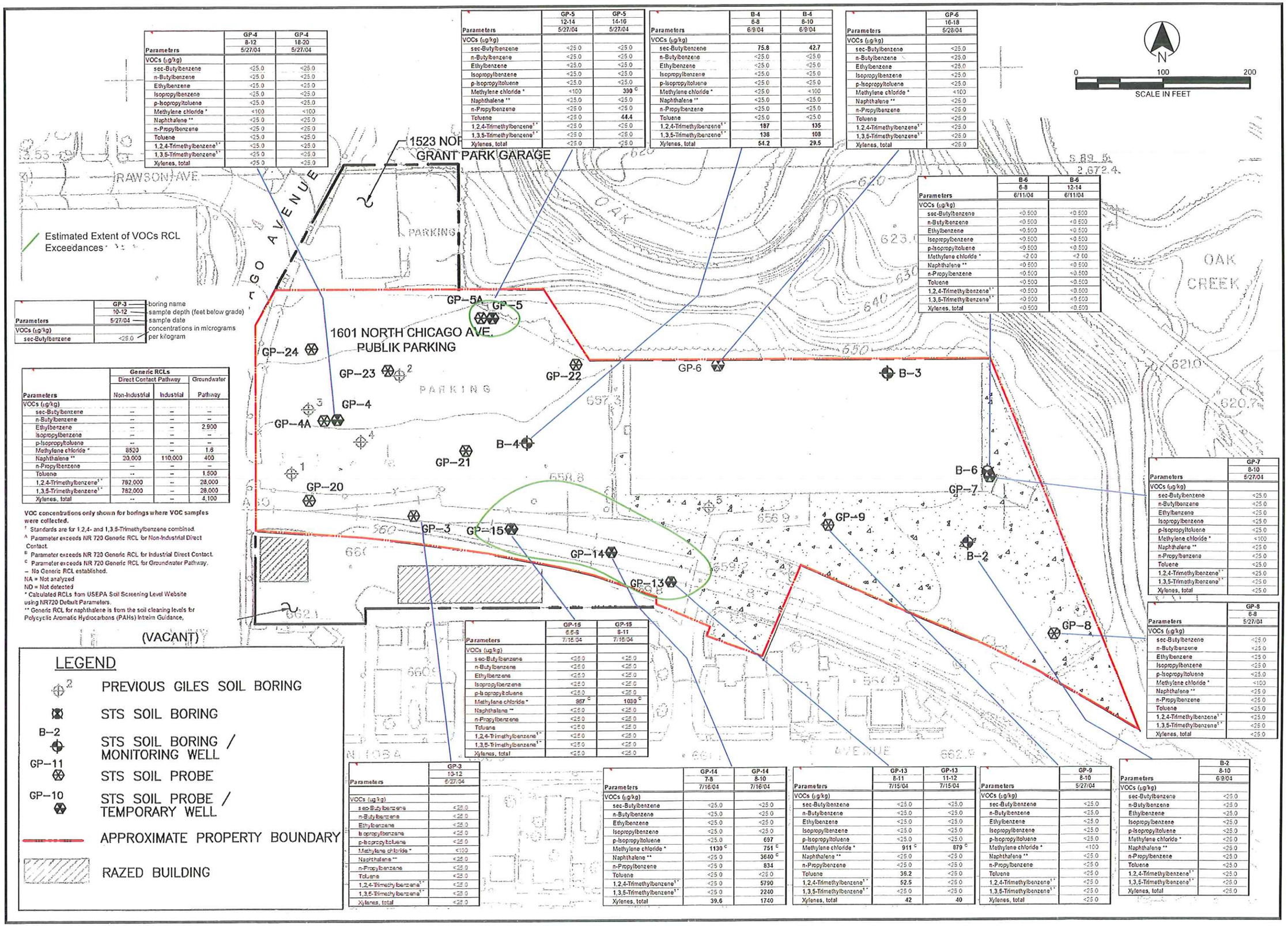
SITE LAYOUT SHOWING SOIL PROBE, BORING, AND WELL LOCATION DIAGRAM
CITY OF SOUTH MILWAUKEE
COMMUNITY DEVELOPMENT AUTHORITY
SOUTH MILWAUKEE BROWNFIELD SITE

Drawn:	RNB	06/18/2004
Checked:	TWK	06/18/2004
Approved:	GHI	06/18/2004
PROJECT NUMBER	87626-XA	
FIGURE NUMBER	2	

Taken from: STS Report dated February 2005. "Phase II Environmental Site Assessment, City of South Milwaukee Brownfield Site."



Parameters	GP-3 10-12 5/27/04
VOCs (µg/kg)	
sec-Butylbenzene	<25.0

GP-3 — boring name
10-12 — sample depth (feet below grade)
5/27/04 — sample date
concentrations in micrograms per kilogram

Parameters	GP-4 8-12 5/27/04	GP-4 18-20 5/27/04
VOCs (µg/kg)		
sec-Butylbenzene	<25.0	<25.0
n-Butylbenzene	<25.0	<25.0
Ethylbenzene	<25.0	<25.0
Isopropylbenzene	<25.0	<25.0
p-Isopropyltoluene	<25.0	<25.0
Methylene chloride *	<100	<100
Naphthalene **	<25.0	<25.0
n-Propylbenzene	<25.0	<25.0
Toluene	<25.0	<25.0
1,2,4-Trimethylbenzene†^	<25.0	<25.0
1,3,5-Trimethylbenzene†^	<25.0	<25.0
Xylenes, total	<25.0	<25.0

Parameters	GP-5 12-14 5/27/04	GP-5 14-16 5/27/04
VOCs (µg/kg)		
sec-Butylbenzene	<25.0	<25.0
n-Butylbenzene	<25.0	<25.0
Ethylbenzene	<25.0	<25.0
Isopropylbenzene	<25.0	<25.0
p-Isopropyltoluene	<25.0	<25.0
Methylene chloride *	<100	390 C
Naphthalene **	<25.0	<25.0
n-Propylbenzene	<25.0	<25.0
Toluene	<25.0	44.4
1,2,4-Trimethylbenzene†^	<25.0	<25.0
1,3,5-Trimethylbenzene†^	<25.0	<25.0
Xylenes, total	<25.0	<25.0

Parameters	B-4 6-8 6/9/04	B-4 8-10 6/9/04
VOCs (µg/kg)		
sec-Butylbenzene	75.8	42.7
n-Butylbenzene	<25.0	<25.0
Ethylbenzene	<25.0	<25.0
Isopropylbenzene	<25.0	<25.0
p-Isopropyltoluene	<25.0	<25.0
Methylene chloride *	<25.0	<100
Naphthalene **	<25.0	<25.0
n-Propylbenzene	<25.0	<25.0
Toluene	<25.0	<25.0
1,2,4-Trimethylbenzene†^	187	135
1,3,5-Trimethylbenzene†^	138	108
Xylenes, total	54.2	29.5

Parameters	GP-6 16-18 5/28/04
VOCs (µg/kg)	
sec-Butylbenzene	<25.0
n-Butylbenzene	<25.0
Ethylbenzene	<25.0
Isopropylbenzene	<25.0
p-Isopropyltoluene	<25.0
Methylene chloride *	<100
Naphthalene **	<25.0
n-Propylbenzene	<25.0
Toluene	<25.0
1,2,4-Trimethylbenzene†^	<25.0
1,3,5-Trimethylbenzene†^	<25.0
Xylenes, total	<25.0

Parameters	B-6 6-8 6/11/04	B-6 12-14 6/11/04
VOCs (µg/kg)		
sec-Butylbenzene	<0.500	<0.500
n-Butylbenzene	<0.500	<0.500
Ethylbenzene	<0.500	<0.500
Isopropylbenzene	<0.500	<0.500
p-Isopropyltoluene	<0.500	<0.500
Methylene chloride *	<2.00	<2.00
Naphthalene **	<0.500	<0.500
n-Propylbenzene	<0.500	<0.500
Toluene	<0.500	<0.500
1,2,4-Trimethylbenzene†^	<0.500	<0.500
1,3,5-Trimethylbenzene†^	<0.500	<0.500
Xylenes, total	<0.500	<0.500

Parameters	Generic RCLs Direct Contact Pathway Non-Industrial	Direct Contact Pathway Industrial	Groundwater Pathway
VOCs (µg/kg)			
sec-Butylbenzene	--	--	--
n-Butylbenzene	--	--	--
Ethylbenzene	--	--	2,900
Isopropylbenzene	--	--	--
p-Isopropyltoluene	--	--	--
Methylene chloride *	8520	--	1.6
Naphthalene **	20,000	110,000	400
n-Propylbenzene	--	--	--
Toluene	--	--	1,500
1,2,4-Trimethylbenzene†^	782,000	--	28,000
1,3,5-Trimethylbenzene†^	782,000	--	28,000
Xylenes, total	--	--	4,100

VOC concentrations only shown for borings where VOC samples were collected.
† Standards are for 1,2,4- and 1,3,5-Trimethylbenzene combined.
^ 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.
-- No Generic RCL established.
NA = Not analyzed
ND = Not detected
* Calculated RCLs from USEPA Soil Screening Level Website using NR720 Default Parameters.
** Generic RCL for naphthalene is from the soil cleaning levels for Polycyclic Aromatic Hydrocarbons (PAHs) Interim Guidance.

Parameters	GP-7 8-10 5/27/04
VOCs (µg/kg)	
sec-Butylbenzene	<25.0
n-Butylbenzene	<25.0
Ethylbenzene	<25.0
Isopropylbenzene	<25.0
p-Isopropyltoluene	<25.0
Methylene chloride *	<100
Naphthalene **	<25.0
n-Propylbenzene	<25.0
Toluene	<25.0
1,2,4-Trimethylbenzene†^	<25.0
1,3,5-Trimethylbenzene†^	<25.0
Xylenes, total	<25.0

Parameters	GP-8 6-8 5/27/04
VOCs (µg/kg)	
sec-Butylbenzene	<25.0
n-Butylbenzene	<25.0
Ethylbenzene	<25.0
Isopropylbenzene	<25.0
p-Isopropyltoluene	<25.0
Methylene chloride *	<100
Naphthalene **	<25.0
n-Propylbenzene	<25.0
Toluene	<25.0
1,2,4-Trimethylbenzene†^	<25.0
1,3,5-Trimethylbenzene†^	<25.0
Xylenes, total	<25.0

Parameters	GP-15 6-8 7/16/04	GP-15 8-11 7/16/04
VOCs (µg/kg)		
sec-Butylbenzene	<25.0	<25.0
n-Butylbenzene	<25.0	<25.0
Ethylbenzene	<25.0	<25.0
Isopropylbenzene	<25.0	<25.0
p-Isopropyltoluene	<25.0	<25.0
Methylene chloride *	957 C	1030 C
Naphthalene **	<25.0	<25.0
n-Propylbenzene	<25.0	<25.0
Toluene	<25.0	<25.0
1,2,4-Trimethylbenzene†^	<25.0	<25.0
1,3,5-Trimethylbenzene†^	<25.0	<25.0
Xylenes, total	<25.0	<25.0

Parameters	GP-3 10-12 5/27/04
VOCs (µg/kg)	
sec-Butylbenzene	<25.0
n-Butylbenzene	<25.0
Ethylbenzene	<25.0
Isopropylbenzene	<25.0
p-Isopropyltoluene	<25.0
Methylene chloride *	<100
Naphthalene **	<25.0
n-Propylbenzene	<25.0
Toluene	<25.0
1,2,4-Trimethylbenzene†^	<25.0
1,3,5-Trimethylbenzene†^	<25.0
Xylenes, total	<25.0

Parameters	GP-14 7-8 7/16/04	GP-14 8-10 7/16/04
VOCs (µg/kg)		
sec-Butylbenzene	<25.0	<25.0
n-Butylbenzene	<25.0	<25.0
Ethylbenzene	<25.0	<25.0
Isopropylbenzene	<25.0	<25.0
p-Isopropyltoluene	<25.0	697
Methylene chloride *	1130 C	751 C
Naphthalene **	<25.0	3640 C
n-Propylbenzene	<25.0	834
Toluene	<25.0	<25.0
1,2,4-Trimethylbenzene†^	<25.0	5790
1,3,5-Trimethylbenzene†^	<25.0	2240
Xylenes, total	39.6	1740

Parameters	GP-13 8-11 7/15/04	GP-13 11-12 7/15/04
VOCs (µg/kg)		
sec-Butylbenzene	<25.0	<25.0
n-Butylbenzene	<25.0	<25.0
Ethylbenzene	<25.0	<25.0
Isopropylbenzene	<25.0	<25.0
p-Isopropyltoluene	<25.0	<25.0
Methylene chloride *	911 C	879 C
Naphthalene **	<25.0	<25.0
n-Propylbenzene	<25.0	<25.0
Toluene	36.2	<25.0
1,2,4-Trimethylbenzene†^	52.5	<25.0
1,3,5-Trimethylbenzene†^	<25.0	<25.0
Xylenes, total	42	40

Parameters	GP-9 8-10 5/27/04
VOCs (µg/kg)	
sec-Butylbenzene	<25.0
n-Butylbenzene	<25.0
Ethylbenzene	<25.0
Isopropylbenzene	<25.0
p-Isopropyltoluene	<25.0
Methylene chloride *	<100
Naphthalene **	<25.0
n-Propylbenzene	<25.0
Toluene	<25.0
1,2,4-Trimethylbenzene†^	<25.0
1,3,5-Trimethylbenzene†^	<25.0
Xylenes, total	<25.0

Parameters	B-2 8-10 6/9/04
VOCs (µg/kg)	
sec-Butylbenzene	<25.0
n-Butylbenzene	<25.0
Ethylbenzene	<25.0
Isopropylbenzene	<25.0
p-Isopropyltoluene	<25.0
Methylene chloride *	<25.0
Naphthalene **	<25.0
n-Propylbenzene	<25.0
Toluene	<25.0
1,2,4-Trimethylbenzene†^	<25.0
1,3,5-Trimethylbenzene†^	<25.0
Xylenes, total	<25.0

NO.:	DESCRIPTION:	DATE:	BY:

DRAWN BY: rpm
CHECKED BY: MF
APPROVED BY: MF

AECOM

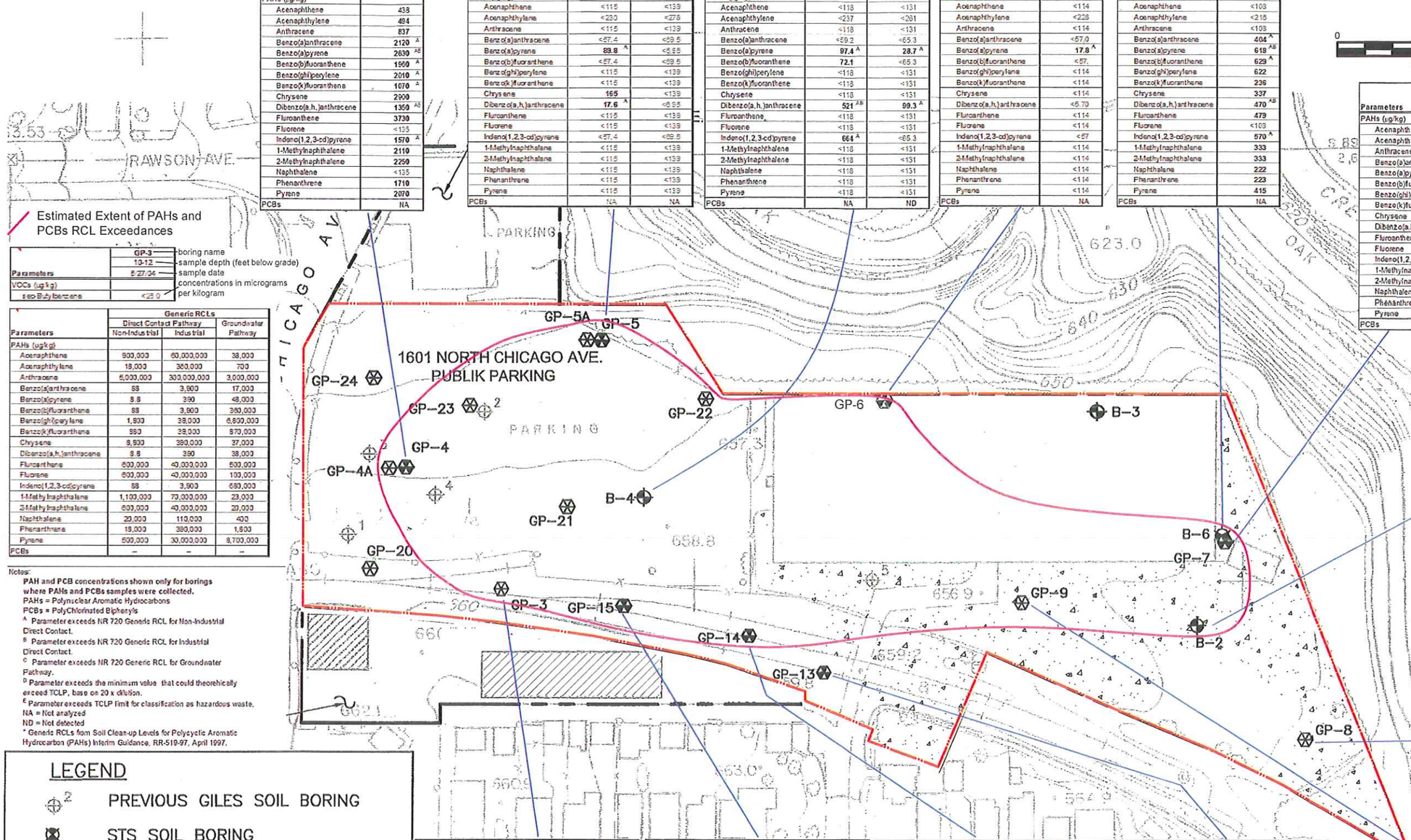
AECOM Environment
11425 W Lake Park Dr, Ste 100
Milwaukee, WI 53224
T 414.359.3030 F 414.359.0822
www.aecom.com

Estimated Extent of VOC Impacts
Publik Parking, Inc.
1601 North Chicago Avenue
South Milwaukee, Wisconsin

SCALE: AS NOTED
DATE: 4/25/11
AECOM PROJECT: 60164002

Figure

VOCs RCLs



Parameters	GP-4 0-2 5/27/04
PAHs (µg/kg)	
Acenaphthene	438
Acenaphthylene	494
Anthracene	837
Benzo(a)anthracene	2120 A
Benzo(a)pyrene	2630 AB
Benzo(b)fluoranthene	1960 A
Benzo(ghi)perylene	2010 A
Benzo(k)fluoranthene	1070 A
Chrysene	2900
Dibenzo(a,h,)anthracene	1350 AB
Fluoranthene	3730
Fluorene	<135
Indeno(1,2,3-cd)pyrene	1570 A
1-Methylnaphthalene	2110
2-Methylnaphthalene	2250
Naphthalene	<135
Phenanthrene	1710
Pyrene	2070
PCBs	NA

Parameters	GP-5 0-2 5/27/04	GP-5 10-12 5/27/04
PAHs (µg/kg)		
Acenaphthene	<115	<139
Acenaphthylene	<230	<278
Anthracene	<115	<139
Benzo(a)anthracene	<57.4	<69.5
Benzo(a)pyrene	89.8 A	<8.35
Benzo(b)fluoranthene	<57.4	<69.5
Benzo(ghi)perylene	<115	<139
Benzo(k)fluoranthene	<115	<139
Chrysene	165	<139
Dibenzo(a,h,)anthracene	17.6 A	<8.35
Fluoranthene	<115	<139
Fluorene	<115	<139
Indeno(1,2,3-cd)pyrene	<57.4	<69.5
1-Methylnaphthalene	<115	<139
2-Methylnaphthalene	<115	<139
Naphthalene	<115	<139
Phenanthrene	<115	<139
Pyrene	<115	<139
PCBs	NA	NA

Parameters	B-4 6-8 6/9/04	B-4 8-10 6/9/04
PAHs (µg/kg)		
Acenaphthene	<118	<131
Acenaphthylene	<237	<261
Anthracene	<118	<131
Benzo(a)anthracene	<59.2	<65.3
Benzo(a)pyrene	97.4 A	28.7 A
Benzo(b)fluoranthene	72.1	<65.3
Benzo(ghi)perylene	<118	<131
Benzo(k)fluoranthene	<118	<131
Chrysene	<118	<131
Dibenzo(a,h,)anthracene	521 AB	99.3 A
Fluoranthene	<118	<131
Fluorene	<118	<131
Indeno(1,2,3-cd)pyrene	664 A	<65.3
1-Methylnaphthalene	<118	<131
2-Methylnaphthalene	<118	<131
Naphthalene	<118	<131
Phenanthrene	<118	<131
Pyrene	<118	<131
PCBs	NA	ND

Parameters	GP-6 16-18 5/28/04
PAHs (µg/kg)	
Acenaphthene	<114
Acenaphthylene	<228
Anthracene	<114
Benzo(a)anthracene	<57.0
Benzo(a)pyrene	17.8 A
Benzo(b)fluoranthene	<57.
Benzo(ghi)perylene	<114
Benzo(k)fluoranthene	<114
Chrysene	<114
Dibenzo(a,h,)anthracene	<5.70
Fluoranthene	<114
Fluorene	<114
Indeno(1,2,3-cd)pyrene	<57
1-Methylnaphthalene	<114
2-Methylnaphthalene	<114
Naphthalene	<114
Phenanthrene	<114
Pyrene	<114
PCBs	NA

Parameters	B-6 6-8 6/11/04
PAHs (µg/kg)	
Acenaphthene	<103
Acenaphthylene	<218
Anthracene	<103
Benzo(a)anthracene	404 A
Benzo(a)pyrene	618 AB
Benzo(b)fluoranthene	629 A
Benzo(ghi)perylene	622
Benzo(k)fluoranthene	236
Chrysene	337
Dibenzo(a,h,)anthracene	470 AB
Fluoranthene	479
Fluorene	<103
Indeno(1,2,3-cd)pyrene	570 A
1-Methylnaphthalene	333
2-Methylnaphthalene	333
Naphthalene	222
Phenanthrene	223
Pyrene	415
PCBs	NA

Parameters	GP-7 0-2 5/27/04	GP-7 4-8 5/27/04
PAHs (µg/kg)		
Acenaphthene	547	<126
Acenaphthylene	496	<253
Anthracene	314	<126
Benzo(a)anthracene	725 A	223 A
Benzo(a)pyrene	757 AB	301 A
Benzo(b)fluoranthene	488 A	448 A
Benzo(ghi)perylene	613	458
Benzo(k)fluoranthene	318	161
Chrysene	659	266
Dibenzo(a,h,)anthracene	246 A	275 A
Fluoranthene	1550	281
Fluorene	<114	<126
Indeno(1,2,3-cd)pyrene	490 A	415 A
1-Methylnaphthalene	553	174
2-Methylnaphthalene	922	<126
Naphthalene	<114	<126
Phenanthrene	1140	<126
Pyrene	765	379
PCBs	NA	NA

Parameters	B-2 4-8 6/9/04
PAHs (µg/kg)	
Acenaphthene	<191
Acenaphthylene	<382
Anthracene	<191
Benzo(a)anthracene	<95.5
Benzo(a)pyrene	<9.55
Benzo(b)fluoranthene	<95.5
Benzo(ghi)perylene	<191
Benzo(k)fluoranthene	<191
Chrysene	<191
Dibenzo(a,h,)anthracene	<9.55
Fluoranthene	<191
Fluorene	<191
Indeno(1,2,3-cd)pyrene	<95.5
1-Methylnaphthalene	<191
2-Methylnaphthalene	<191
Naphthalene	<191
Phenanthrene	<191
Pyrene	<191
PCBs	NA

Parameters	GP-3 8-3 5/27/04
PAHs (ug/kg)	
Acenaphthene	<124
Acenaphthylene	<248
Anthracene	<124
Benzo(a)anthracene	<62.0
Benzo(a)pyrene	<8.20
Benzo(b)fluoranthene	<62.0
Benzo(ghi)perylene	<124
Benzo(k)fluoranthene	<124
Chrysene	<124
Dibenzo(a,h,)anthracene	<8.20
Fluoranthene	<124
Fluorene	<124
Indeno(1,2,3-cd)pyrene	<62.0
1-Methylnaphthalene	<124
2-Methylnaphthalene	<124
Naphthalene	<124
Phenanthrene	<124
Pyrene	<124
PCBs	NA

Estimated Extent of PAHs and PCBs RCL Exceedances

Parameters	GP-3 10-12 5/27/04
VOCs (ug/kg)	
sec-Butylbenzene	<25.0

GP-3 — boring name
10-12 — sample depth (feet below grade)
5/27/04 — sample date
concentrations in micrograms per kilogram

Parameters	Generic RCLs Direct Contact Pathway Non-Industrial	Direct Contact Pathway Industrial	Groundwater Pathway
PAHs (ug/kg)			
Acenaphthene	900,000	60,000,000	38,000
Acenaphthylene	18,000	360,000	700
Anthracene	5,000,000	300,000,000	3,000,000
Benzo(a)anthracene	88	3,900	17,000
Benzo(a)pyrene	8.8	390	48,000
Benzo(b)fluoranthene	88	3,900	380,000
Benzo(ghi)perylene	1,800	39,000	6,800,000
Benzo(k)fluoranthene	880	39,000	870,000
Chrysene	8,800	390,000	37,000
Dibenzo(a,h,)anthracene	8.8	390	38,000
Fluoranthene	600,000	40,000,000	500,000
Fluorene	600,000	40,000,000	100,000
Indeno(1,2,3-cd)pyrene	88	3,900	680,000
1-Methylnaphthalene	1,100,000	70,000,000	23,000
2-Methylnaphthalene	600,000	40,000,000	20,000
Naphthalene	20,000	110,000	400
Phenanthrene	18,000	360,000	1,800
Pyrene	600,000	30,000,000	8,700,000
PCBs	–	–	–

Notes:
PAH and PCB concentrations shown only for borings where PAHs and PCBs samples were collected.
PAHs = Polynuclear Aromatic Hydrocarbons
PCBs = PolyChlorinated Biphenyls
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 Parameter exceeds the minimum value that could theoretically exceed TCLP, base on 20 x dilution.
E Parameter exceeds TCLP limit for classification as hazardous waste.
NA = Not analyzed
ND = Not detected
* Generic RCLs from Soil Clean-up Levels for Polycyclic Aromatic Hydrocarbon (PAHs) Interim Guidance, RR-519-97, April 1997.

LEGEND

- PREVIOUS GILES SOIL BORING
- STS SOIL BORING
- B-2 — STS SOIL BORING / MONITORING WELL
- GP-11 — STS SOIL PROBE
- GP-10 — STS SOIL PROBE / TEMPORARY WELL
- APPROXIMATE PROPERTY BOUNDARY
- RAZED BUILDING

Parameters	GP-3 2-4 5/27/04	GP-3 4-8 5/27/04
PAHs (ug/kg)		
Acenaphthene	363	<121
Acenaphthylene	<240	<242
Anthracene	134	<121
Benzo(a)anthracene	571 A	<60.5
Benzo(a)pyrene	594 AB	61.8 A
Benzo(b)fluoranthene	583 A	<60.5
Benzo(ghi)perylene	987	<121
Benzo(k)fluoranthene	318	<121
Chrysene	552	<121
Dibenzo(a,h,)anthracene	15.7 A	<6.05
Fluoranthene	631	<121
Fluorene	<120	<121
Indeno(1,2,3-cd)pyrene	552 A	<60.5
1-Methylnaphthalene	412	<121
2-Methylnaphthalene	136	<121
Naphthalene	<120	<121
Phenanthrene	423	<121
Pyrene	446	<121
PCBs	NA	ND

Parameters	GP-15 6.5-8 7/16/04	GP-15 8-11 7/16/04
PAHs (ug/kg)		
Acenaphthene	<1160	<1180
Acenaphthylene	<232	<237
Anthracene	733	204
Benzo(a)anthracene	3490 A	1050 A
Benzo(a)pyrene	586 AB	205 A
Benzo(b)fluoranthene	287 A	74
Benzo(ghi)perylene	609	<118
Benzo(k)fluoranthene	<1160	<118
Chrysene	2410	850
Dibenzo(a,h,)anthracene	<5.80	61.6 A
Fluoranthene	3760	973
Fluorene	243	<118
Indeno(1,2,3-cd)pyrene	315 A	168 A
1-Methylnaphthalene	<1160	307
2-Methylnaphthalene	259	<118
Naphthalene	<116	<118
Phenanthrene	<116	<118
Pyrene	2470	453
PCBs	NA	NA

Parameters	GP-14 7-8 7/16/04	GP-14 8-10 7/16/04
PAHs (ug/kg)		
Acenaphthene	<124	<1130
Acenaphthylene	<248	441
Anthracene	<124	1450
Benzo(a)anthracene	<61.9	4450 AB
Benzo(a)pyrene	<6.19	975 AB
Benzo(b)fluoranthene	<61.9	283 A
Benzo(ghi)perylene	<124	455
Benzo(k)fluoranthene	<124	1710 A
Chrysene	<124	193
Dibenzo(a,h,)anthracene	<6.19	1410 AB
Fluoranthene	<124	7240
Fluorene	<124	461
Indeno(1,2,3-cd)pyrene	<61.9	296 A
1-Methylnaphthalene	<124	2670
2-Methylnaphthalene	<124	1480
Naphthalene	<124	650 C
Phenanthrene	<124	3120 C
Pyrene	<124	1800
PCBs	NA	NA

Parameters	GP-13 8-11 7/15/04	GP-13 11-12 7/15/04
PAHs (ug/kg)		
Acenaphthene	<117	<121
Acenaphthylene	<234	<242
Anthracene	<117	<121
Benzo(a)anthracene	<58.4	<60.6
Benzo(a)pyrene	<5.84	<6.06
Benzo(b)fluoranthene	<58.4	<60.6
Benzo(ghi)perylene	<117	<121
Benzo(k)fluoranthene	<117	<121
Chrysene	<117	<121
Dibenzo(a,h,)anthracene	<5.84	<6.06
Fluoranthene	<117	<121
Fluorene	<117	<121
Indeno(1,2,3-cd)pyrene	<58.4	<60.6
1-Methylnaphthalene	<117	<121
2-Methylnaphthalene	<117	<121
Naphthalene	<117	<121
Phenanthrene	<117	<121
Pyrene	<117	<121
PCBs	NA	NA

Parameters	GP-9 0-2 5/27/04
PAHs (ug/kg)	
Acenaphthene	<114
Acenaphthylene	<227
Anthracene	<114
Benzo(a)anthracene	<56.8
Benzo(a)pyrene	<5.68
Benzo(b)fluoranthene	<56.8
Benzo(ghi)perylene	<114
Benzo(k)fluoranthene	<114
Chrysene	<114
Dibenzo(a,h,)anthracene	<5.68
Fluoranthene	<114
Fluorene	<114
Indeno(1,2,3-cd)pyrene	<56.8
1-Methylnaphthalene	<114
2-Methylnaphthalene	<114
Naphthalene	<114
Phenanthrene	<114
Pyrene	<114
PCBs	NA

NO.:	DESCRIPTION:	DATE:	BY:

DRAWN BY: rpm
CHECKED BY: MF
APPROVED BY: MF

AECOM

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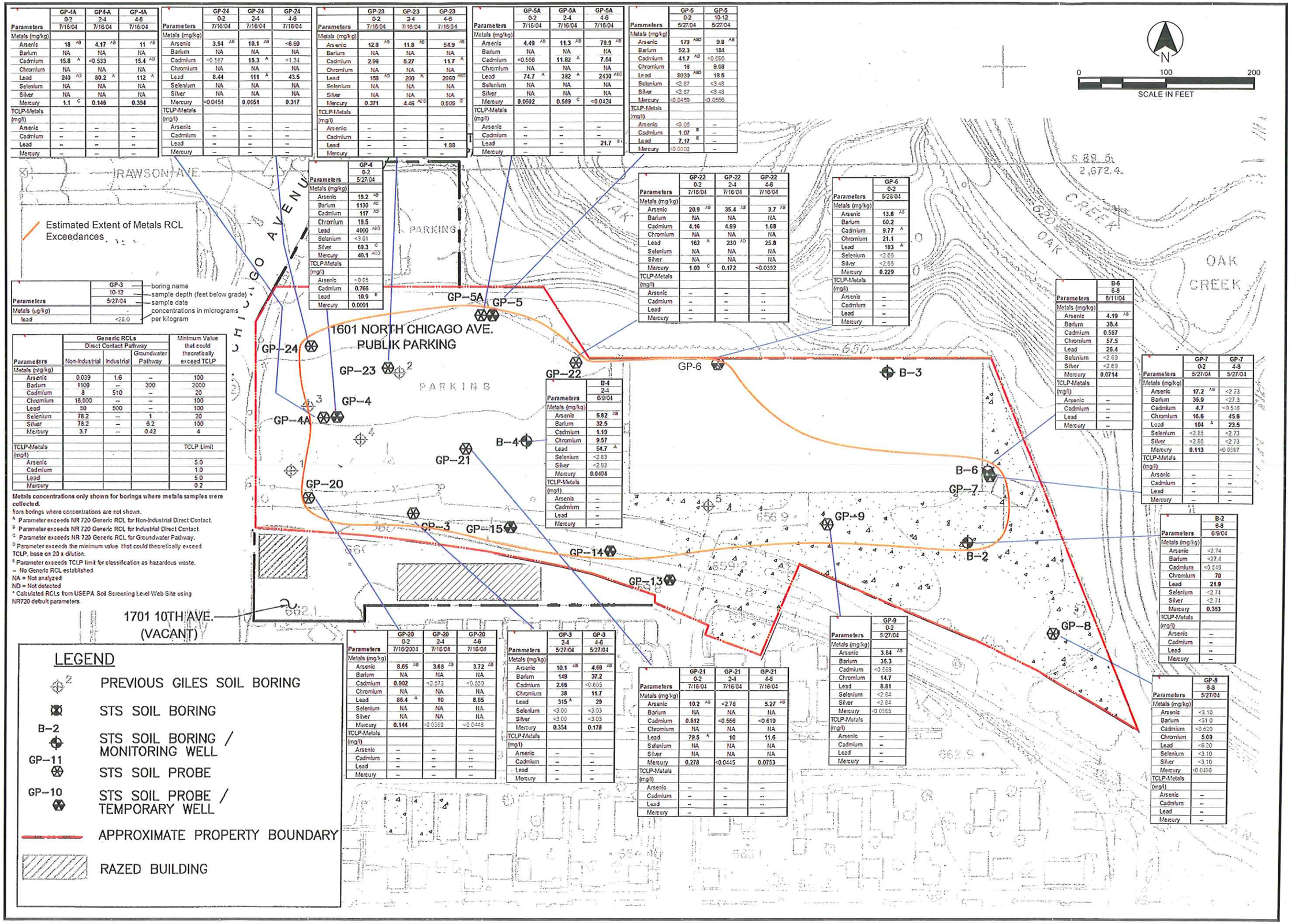
Estimated Extent of PAH and PCB Impacts
Publik Parking, Inc.
1601 North Chicago Avenue
South Milwaukee, Wisconsin

SCALE: AS NOTED
DATE: 4/25/2011
AECOM PROJECT: 60164002

Figure

PAHS RCLs



Parameters	GP-4A 0-2 7/16/04	GP-4A 2-4 7/16/04	GP-4A 4-6 7/16/04
Metals (mg/kg)			
Arsenic	18 [AB]	4.17 [AB]	11 [AB]
Barium	NA	NA	NA
Cadmium	15.8 [A]	<0.533	15.4 [AB]
Chromium	NA	NA	NA
Lead	240 [AB]	80.2 [A]	112 [A]
Selenium	NA	NA	NA
Silver	NA	NA	NA
Mercury	1.1 [C]	0.146	0.394
TCLP-Metals (mg/l)			
Arsenic	--	--	--
Cadmium	--	--	--
Lead	--	--	--
Mercury	--	--	--

Parameters	GP-24 0-2 7/16/04	GP-24 2-4 7/16/04	GP-24 4-6 7/16/04
Metals (mg/kg)			
Arsenic	3.94 [AB]	10.1 [AB]	<6.69
Barium	NA	NA	NA
Cadmium	<0.567	15.3 [A]	<1.34
Chromium	NA	NA	NA
Lead	8.44	111 [A]	43.5
Selenium	NA	NA	NA
Silver	NA	NA	NA
Mercury	<0.0454	0.0651	0.317
TCLP-Metals (mg/l)			
Arsenic	--	--	--
Cadmium	--	--	--
Lead	--	--	--
Mercury	--	--	--

Parameters	GP-23 0-2 7/16/04	GP-23 2-4 7/16/04	GP-23 4-6 7/16/04
Metals (mg/kg)			
Arsenic	12.8 [AB]	11.8 [AB]	54.9 [AB]
Barium	NA	NA	NA
Cadmium	2.86	5.27	11.7 [A]
Chromium	NA	NA	NA
Lead	158 [AB]	200 [A]	2060 [ABC]
Selenium	NA	NA	NA
Silver	NA	NA	NA
Mercury	0.371	4.46 [ABC]	0.505 [C]
TCLP-Metals (mg/l)			
Arsenic	--	--	--
Cadmium	--	--	--
Lead	--	--	1.98
Mercury	--	--	--

Parameters	GP-5A 0-2 7/16/04	GP-5A 2-4 7/16/04	GP-5A 4-6 7/16/04
Metals (mg/kg)			
Arsenic	4.49 [AB]	11.3 [AB]	79.9 [AB]
Barium	NA	NA	NA
Cadmium	<0.556	11.82 [A]	7.54
Chromium	NA	NA	NA
Lead	74.7 [A]	382 [A]	2430 [ABD]
Selenium	NA	NA	NA
Silver	NA	NA	NA
Mercury	0.0692	0.569 [C]	<0.0424
TCLP-Metals (mg/l)			
Arsenic	--	--	--
Cadmium	--	--	--
Lead	--	--	21.7 [E]
Mercury	--	--	--

Parameters	GP-5 0-2 5/27/04	GP-5 10-12 5/27/04
Metals (mg/kg)		
Arsenic	173 [ABD]	9.8 [AB]
Barium	52.3	184
Cadmium	41.7 [AD]	<0.655
Chromium	16	8.68
Lead	8030 [ABD]	18.6
Selenium	<2.87	<3.48
Silver	<2.87	<3.48
Mercury	<0.0459	<0.0566
TCLP-Metals (mg/l)		
Arsenic	<0.05	--
Cadmium	1.07 [E]	--
Lead	7.17 [E]	--
Mercury	<0.0002	--

Parameters	GP-4 0-2 5/27/04
Metals (mg/kg)	
Arsenic	19.2 [AB]
Barium	1130 [AC]
Cadmium	117 [AD]
Chromium	19.5
Lead	4000 [ABD]
Selenium	<3.01
Silver	69.3 [C]
Mercury	40.1 [ACD]
TCLP-Metals (mg/l)	
Arsenic	<0.05
Cadmium	0.766
Lead	10.9 [E]
Mercury	0.0091

Parameters	GP-22 0-2 7/16/04	GP-22 2-4 7/16/04	GP-22 4-6 7/16/04
Metals (mg/kg)			
Arsenic	20.9 [AB]	35.4 [AB]	3.7 [AB]
Barium	NA	NA	NA
Cadmium	4.16	4.99	1.68
Chromium	NA	NA	NA
Lead	162 [A]	230 [AD]	25.8
Selenium	NA	NA	NA
Silver	NA	NA	NA
Mercury	1.09 [C]	0.172	<0.0392
TCLP-Metals (mg/l)			
Arsenic	--	--	--
Cadmium	--	--	--
Lead	--	--	--
Mercury	--	--	--

Parameters	GP-6 0-2 5/28/04
Metals (mg/kg)	
Arsenic	13.8 [AB]
Barium	60.2
Cadmium	9.77 [A]
Chromium	21.1
Lead	183 [A]
Selenium	<2.65
Silver	<2.65
Mercury	0.229
TCLP-Metals (mg/l)	
Arsenic	--
Cadmium	--
Lead	--
Mercury	--

Parameters	B-6 6-8 8/11/04
Metals (mg/kg)	
Arsenic	4.19 [AB]
Barium	38.4
Cadmium	0.597
Chromium	57.5
Lead	26.4
Selenium	<2.69
Silver	<2.69
Mercury	0.0714
TCLP-Metals (mg/l)	
Arsenic	--
Cadmium	--
Lead	--
Mercury	--

Parameters	GP-3 10-12 5/27/04
Metals (µg/kg)	
lead	<25.0

boring name
sample depth (feet below grade)
sample date
concentrations in micrograms per kilogram

Parameters	Generic RCLs Direct Contact Pathway Non-Industrial	Industrial	Groundwater Pathway	Minimum Value that could theoretically exceed TCLP
Metals (mg/kg)				
Arsenic	0.039	1.6	--	100
Barium	1100	--	300	2000
Cadmium	8	510	--	20
Chromium	18,000	--	--	100
Lead	50	500	--	100
Selenium	78.2	--	1	20
Silver	78.2	--	6.2	100
Mercury	3.7	--	0.42	4
TCLP-Metals (mg/l)				TCLP Limit
Arsenic				5.0
Cadmium				1.0
Lead				5.0
Mercury				0.2

Metals concentrations only shown for borings where metals samples were collected.
from borings where concentrations are not shown.
[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] Parameter exceeds the minimum value that could theoretically exceed TCLP, base on 20 x dilution.
[E] Parameter exceeds TCLP limit for classification as hazardous waste.
-- No Generic RCL established.
NA = Not analyzed
ND = Not detected
* Calculated RCLs from USEPA Soil Screening Level Web Site using NR720 default parameters.

Parameters	B-4 2-4 6/9/04
Metals (mg/kg)	
Arsenic	5.82 [AB]
Barium	32.5
Cadmium	1.19
Chromium	9.57
Lead	54.7 [A]
Selenium	<2.83
Silver	<2.83
Mercury	0.0404
TCLP-Metals (mg/l)	
Arsenic	--
Cadmium	--
Lead	--
Mercury	--

Parameters	GP-7 0-2 5/27/04	GP-7 4-6 5/27/04
Metals (mg/kg)		
Arsenic	17.2 [AB]	<2.73
Barium	36.9	<27.3
Cadmium	4.7	<0.546
Chromium	16.6	45.6
Lead	104 [A]	23.5
Selenium	<2.65	<2.73
Silver	<2.65	<2.73
Mercury	0.113	<0.0397
TCLP-Metals (mg/l)		
Arsenic	--	--
Cadmium	--	--
Lead	--	--
Mercury	--	--

Parameters	B-2 6-8 6/9/04
Metals (mg/kg)	
Arsenic	<2.74
Barium	<27.4
Cadmium	<0.548
Chromium	70
Lead	21.9
Selenium	<2.74
Silver	<2.74
Mercury	0.353
TCLP-Metals (mg/l)	
Arsenic	--
Cadmium	--
Lead	--
Mercury	--

Parameters	GP-20 0-2 7/16/2004	GP-20 2-4 7/16/04	GP-20 4-6 7/16/04
Metals (mg/kg)			
Arsenic	8.65 [AB]	3.68 [AB]	3.72 [AB]
Barium	NA	NA	NA
Cadmium	0.902	<0.573	<0.580
Chromium	NA	NA	NA
Lead	86.4 [A]	10	8.65
Selenium	NA	NA	NA
Silver	NA	NA	NA
Mercury	0.144	<0.0389	<0.0428
TCLP-Metals (mg/l)			
Arsenic	--	--	--
Cadmium	--	--	--
Lead	--	--	--
Mercury	--	--	--

Parameters	GP-3 2-4 5/27/04	GP-3 4-6 5/27/04
Metals (mg/kg)		
Arsenic	10.1 [AB]	4.69 [AB]
Barium	148	37.2
Cadmium	2.65	<0.605
Chromium	38	11.7
Lead	315 [A]	29
Selenium	<3.00	<3.03
Silver	<3.00	<3.03
Mercury	0.354	0.178
TCLP-Metals (mg/l)		
Arsenic	--	--
Cadmium	--	--
Lead	--	--
Mercury	--	--

Parameters	GP-21 0-2 7/16/04	GP-21 2-4 7/16/04	GP-21 4-6 7/16/04
Metals (mg/kg)			
Arsenic	10.2 [AB]	<2.78	5.27 [AB]
Barium	NA	NA	NA
Cadmium	0.812	<0.556	<0.619
Chromium	NA	NA	NA
Lead	79.5 [A]	10	11.6
Selenium	NA	NA	NA
Silver	NA	NA	NA
Mercury	0.278	<0.0445	0.0753
TCLP-Metals (mg/l)			
Arsenic	--	--	--
Cadmium	--	--	--
Lead	--	--	--
Mercury	--	--	--

Parameters	GP-9 0-2 5/27/04
Metals (mg/kg)	
Arsenic	3.84 [AB]
Barium	35.3
Cadmium	<0.568
Chromium	14.7
Lead	8.81
Selenium	<2.84
Silver	<2.84
Mercury	<0.0355
TCLP-Metals (mg/l)	
Arsenic	--
Cadmium	--
Lead	--
Mercury	--

Parameters	GP-8 6-8 5/27/04
Metals (mg/kg)	
Arsenic	<3.10
Barium	<31.0
Cadmium	<0.620
Chromium	5.69
Lead	<6.20
Selenium	<3.10
Silver	<3.10
Mercury	<0.0498
TCLP-Metals (mg/l)	
Arsenic	--
Cadmium	--
Lead	--
Mercury	--

NO.:	DESCRIPTION:	DATE:	BY:

DRAWN BY:	CHECKED BY:	APPROVED BY:
rpm	MF	MF

AECOM

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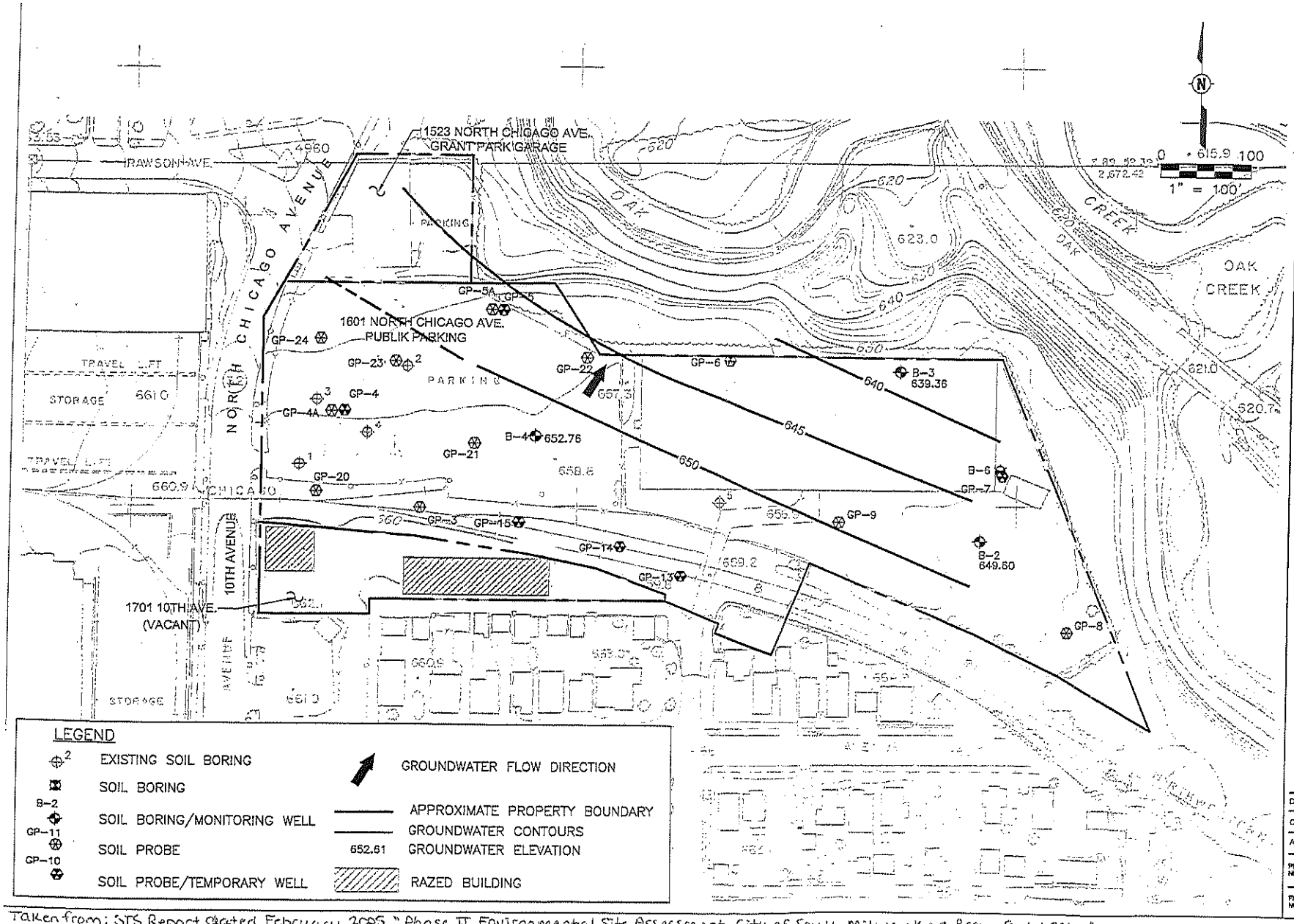
Estimated Extent of Metals Impacts
Publik Parking, Inc.
1601 North Chicago Avenue
South Milwaukee, Wisconsin

SCALE:	DATE:	AECOM PROJECT:
AS NOTED	4/25/2011	60164002

Figure

Metals RCLs



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GROUNDWATER ELEVATION AND
FLOW DIRECTION DIAGRAM (JUNE 15, 2004)
CITY OF SOUTH MILWAUKEE
COMMUNITY DEVELOPMENT AUTHORITY
SOUTH MILWAUKEE BROWNFIELD SITE

Drawn:	RND	06/18/2004
Checked:	TWK	06/18/2004
Approved:	GHI	06/18/2004
PROJECT NUMBER	87626-XA	
FIGURE NUMBER	4	

Taken from: STS Report dated February 2005, "Phase II Environmental Site Assessment, City of South Milwaukee Brownfield Site."

TABLE 2A
LABORATORY ANALYTICAL RESULTS FOR SOIL SAMPLES - RCRA METALS
PUBLIK PARKING, INC.,
SOUTH MILWAUKEE, WI

	Generic RCLs			Minimum Value	GP-3	GP-3	GP-4	GP-4A	GP4-A	GP-4A	GP-5	GP-5	GP-5A	GP-5A	GP-5A	GP-6	GP-7	GP-7	GP-8	GP-9	GP-20
	Direct Contact Pathway			that could	2-4	4-6	0-2	0-2	2-4	4-6	0-2	10-12	0-2	2-4	4-6	0-2	0-2	4-8	6-8	0-2	0-2
Parameters	Non-Industrial	Industrial	Groundwater Pathway	theoretically exceed TCLP	5/27/04	5/27/04	5/27/04	7/16/04	7/16/04	7/16/04	5/27/04	5/27/04	7/16/04	7/16/04	7/16/04	5/28/04	5/27/04	5/27/04	5/27/04	5/27/04	7/16/2004
Metals (mg/kg)																					
Arsenic	0.039	1.6	0.58	100	10.1 [ABC]	4.69 [ABC]	19.2 [ABC]	18 [ABC]	4.17 [ABC]	11 [ABC]	179 [ABCD]	9.8 [ABC]	4.49 [ABC]	11.3 [ABC]	79.9 [ABC]	13.8 [ABC]	17.2 [ABC]	<2.73	<3.10	3.84 [ABC]	8.65 [ABC]
Barium	3130	204,000	330	2000	148	37.2	1130 [C]	NA	NA	NA	52.3	184	NA	NA	NA	60.2	36.9	<27.3	<31.0	36.3	NA
Cadmium	8	510	1.5	20	2.66 [C]	<0.695	117 [ACD]	15.8 [AC]	<0.533	15.4 [AC]	41.7 [ACD]	<0.695	<0.566	11.82 [AC]	7.54 [C]	9.77 [AC]	4.7 [C]	<0.546	<0.620	<0.566	0.902
Chromium	16,000	--	360,000	100	38	11.7	19.5	NA	NA	NA	16	9.08	NA	NA	NA	21.1	16.6	45.6	5.09	14.7	NA
Lead	50	500	--	100	315 [A]	29	4000 [ABD]	240 [AD]	80.2 [A]	112 [AD]	8030 [ABD]	18.5	74.7 [A]	382 [AD]	2430 [ABD]	183 [AD]	104 [AD]	23.5	<6.20	8.81	86.4 [A]
Selenium	78.2	5,110	1	20	<3.00	<3.03	<3.01	NA	NA	NA	<2.87	<3.46	NA	NA	NA	<2.66	<2.85	<2.73	<3.10	<2.84	NA
Silver	78.2	5,110	1.66	100	<3.00	<3.03	69.3 [C]	NA	NA	NA	<2.87	<3.45	NA	NA	NA	<2.66	<2.85	<2.73	<3.10	<2.84	NA
Mercury	2.9	2.9	0.2	4	0.354 [C]	0.178	40.1 [ABCD]	1.1 [C]	0.146	0.394 [C]	<0.0459	<0.0556	0.0602	0.589 [C]	<0.0424	0.229 [C]	0.113	<0.0397	<0.0455	<0.0365	0.144
TCLP-Metals (mg/L)				TCLP Limit																	
Arsenic				5.0	NA	NA	<0.05	NA	NA	NA	<0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium				1.0	NA	NA	0.766	NA	NA	NA	1.07 [E]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead				5.0	NA	NA	10.9 [E]	NA	NA	NA	7.17 [E]	NA	NA	NA	21.7 [E]	NA	NA	NA	NA	NA	NA
Mercury				0.2	NA	NA	0.00912	NA	NA	NA	<0.0002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
[A] Parameter exceeds WAC Ch. NR 720 Generic RCL for Non-Industrial Direct Contact.
[B] Parameter exceeds WAC. Ch. NR 720 Generic RCL for Industrial Direct Contact.
[C] Parameter exceeds WAC. Ch. NR 720 Generic RCL for Groundwater Pathway.
[D] Parameter exceeds the minimum value that could theoretically exceed TCLP, based on a 20 x dilution.
[E] Parameter exceeds TCLP limit for classification as hazardous waste.
-- = No Generic RCL established.
NA = Not analyzed
ND = Not detected
Where not established in WAC Ch. NR 720, RCLs calculated from USEPA Soil Screening Level Web Site using NR720 default parameters.
This table was taken from the STS Report dated February 2005, *Phase II Environmental Site Assessment, City of South Milwaukee Brownfield Site,* and modified by AECOM (November 2010) to include updated USEPA soil screening level criteria.

TABLE 2A
LABORATORY ANALYTICAL RESULTS FOR SOIL SAMPLES - RCRA METALS
PUBLIK PARKING, INC.,
SOUTH MILWAUKEE, WI

	Generic RCLs			Minimum Value	GP-20	GP-20	GP-21	GP-21	GP-21	GP-22	GP-22	GP-22	GP-23	GP-23	GP-23	GP-24	GP-24	GP-24	B-2	B-4	B-6
	Direct Contact Pathway			that could	2-4	4-6	0-2	2-4	4-6	0-2	2-4	4-6	0-2	2-4	4-6	0-2	2-4	4-6	6-8	2-4	6-8
Parameters	Non-Industrial	Industrial	Groundwater Pathway	theoretically exceed TCLP	7/16/04	7/16/04	7/16/04	7/16/04	7/16/04	7/16/04	7/16/04	7/16/04	7/16/04	7/16/04	7/16/04	7/16/04	7/16/04	7/16/04	6/9/04	6/9/04	6/11/04
Metals (mg/kg)																					
Arsenic	0.039	1.6	0.58	100	**3.68** [ABC]	**3.72** [ABC]	**10.2** [ABC]	<2.78	**5.27** [ABC]	**20.9** [ABC]	**35.4** [ABC]	**3.7** [ABC]	**12.8** [ABC]	**11.8** [ABC]	**54.9** [ABC]	**3.94** [ABC]	**10.1** [ABC]	<6.69	<2.74	**5.82** [ABC]	**4.19** [ABC]
Barium	3130	204,000	330	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<27.4	**32.5**	**38.4**
Cadmium	8	510	1.5	20	<0.573	<0.560	**0.812**	<0.556	<0.619	**4.16** [C]	**4.99** [C]	**1.68** [C]	**2.96** [C]	**5.27** [C]	**11.7** [AC]	<0.567	**15.3** [AC]	<1.34	<0.548	**1.19**	**0.587**
Chromium	16,000	--	360,000	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**70**	**9.57**	**57.5**
Lead	50	500	--	100	**10**	**8.85**	**79.5** [A]	**10**	**11.6**	**162** [AD]	**230** [AD]	**25.8**	**158** [AD]	**200** [AD]	**2060** [ABD]	**8.44**	**111** [AD]	**43.5**	**21.9**	**54.7** [A]	**26.4**
Selenium	78.2	5,110	1	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2.74	<2.83	<2.69
Silver	78.2	5,110	1.66	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2.74	<2.83	<2.69
Mercury	2.9	2.9	0.2	4	<0.0359	<0.0446	**0.278** [C]	<0.0445	**0.0753**	**1.09** [C]	**0.172**	<0.0392	**0.371** [C]	**4.46** [ABCD]	**0.505** [C]	<0.0454	**0.0651**	**0.317** [C]	**0.353** [C]	**0.0404**	**0.0714**
TCLP-Metals (mg/L)				TCLP Limit																	
Arsenic				5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium				1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead				5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.98**	NA	NA	NA	NA	NA	NA
Mercury				0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
[A] Parameter exceeds WAC Ch. NR 720 Generic RCL for Non-Industrial Direct Contact.
[B] Parameter exceeds WAC. Ch. NR 720 Generic RCL for Industrial Direct Contact.
[C] Parameter exceeds WAC. Ch. NR 720 Generic RCL for Groundwater Pathway.
[D] Parameter exceeds the minimum value that could theoretically exceed TCLP, based on a 20 x dilution.
[E] Parameter exceeds TCLP limit for classification as hazardous waste.
-- = No Generic RCL established.
NA = Not analyzed
ND = Not detected
Where not established in WAC Ch. NR 720, RCLs calculated from USEPA Soil Screening Level Web Site using NR720 default parameters.
This table was taken from the STS Report dated February 2005, *Phase II Environmental Site Assessment, City of South Milwaukee Brownfield Site,* and modified by AECOM (November 2010) to include updated USEPA soil screening level criteria.

TABLE 2B
LABORATORY ANALYTICAL RESULTS FOR SOIL SAMPLES - VOLATILE ORGANICS
PUBLIK PARKING, INC.,
SOUTH MILWAUKEE, WI

	Generic RCLs			GP-3	GP-4	GP-4	GP-5	GP-5	GP-6	GP-7	GP-8	GP-9	GP-13	GP-13
	Direct Contact Pathway		Groundwater	10-12	8-12	18-20	12-14	14-16	16-18	8-10	6-8	8-10	8-11	11-12
Parameters	Non-Industrial	Industrial	Pathway	5/27/04	5/27/04	5/27/04	5/27/04	5/27/04	5/28/04	5/27/04	5/27/04	5/27/04	7/15/04	7/15/04
PID/FID	--	--	--	6.3	2.9	3.4	4.6	3.2	6.2	6.7	1.6	2.8	2.7	3.1
VOCs (µg/kg)														
sec-Butylbenzene	--	--	--	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
n-Butylbenzene	--	--	--	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Ethylbenzene	--	--	2,900	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Isopropylbenzene	--	--	--	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
p-Isopropyltoluene	--	--	--	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Methylene chloride *	2,700	46,000	1.6	<100	<100	<100	<100	**390** [C]	<100	<100	<100	<100	**911** [C]	**879** [C]
Naphthalene **	20,000	110,000	400	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
n-Propylbenzene	--	--	--	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Toluene	--	--	1,500	<25.0	<25.0	<25.0	<25.0	**44.4**	<25.0	<25.0	<25.0	<25.0	**36.2**	<25.0
1,2,4-Trimethylbenzene[1] *	782,000	--	28,000	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	**52.5**	<25.0
1,3,5-Trimethylbenzene[1] *	782,000	--	28,000	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Xylenes, total	--	--	4,100	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	**42**	**40**

Notes:
[1] Standards are for 1,2,4- and 1,3,5-Trimethylbenzene combined.
[A] Parameter exceeds WAC Ch. NR 720 Generic RCL for Non-Industrial Direct Contact.
[B] Parameter exceeds WAC Ch. NR 720 Generic RCL for Industrial Direct Contact.
[C] Parameter exceeds WAC. Ch. NR 720 Generic RCL for Groundwater Pathway.
-- No Generic RCL established.
NA = Not analyzed
ND = Not detected
* Calculated RCLs from USEPA Soil Screening Level Website using NR720 Default Parameters.
** Generic RCL for naphthalene is from the soil cleaning levels for Polycyclic Aromatic Hydrocarbons (PAHs) Intreim Guidance, RR-519-97, April 1997.
This table was taken from the STS Report dated February 2005, *Phase II Environmental Site Assessment, City of South Milwaukee Brownfield Site,* and modified by AECOM (November 2010) to include updated USEPA soil screening level criteria.
Methylene chloride results flagged by laboratory as a likely laboratory artifact. Therefore, the results are considered suspect and not representative of actual site conditions.

TABLE 2B
LABORATORY ANALYTICAL RESULTS FOR SOIL SAMPLES - VOLATILE ORGANICS
PUBLIK PARKING, INC.,
SOUTH MILWAUKEE, WI

	Generic RCLs			GP-14	GP-14	GP-15	GP-15	B-2	B-4	B-4	B-6	B-6
	Direct Contact Pathway		Groundwater	7-8	8-10	6.5-8	8-11	8-10	6-8	8-10	6-8	12-14
Parameters	Non-Industrial	Industrial	Pathway	7/16/04	7/16/04	7/16/04	7/16/04	6/9/04	6/9/04	6/9/04	6/11/04	6/11/04
PID/FID	--	--	--	31.9	258.6	146.9	100.4	0.2	0.6	7.5	NA	1
VOCs (µg/kg)												
sec-Butylbenzene	--	--	--	<25.0	<25.0	<25.0	<25.0	<25.0	**75.8**	**42.7**	<0.500	<0.500
n-Butylbenzene	--	--	--	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<0.500	<0.500
Ethylbenzene	--	--	2,900	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<0.500	<0.500
Isopropylbenzene	--	--	--	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<0.500	<0.500
p-Isopropyltoluene	--	--	--	<25.0	**697**	<25.0	<25.0	<25.0	<25.0	<25.0	<0.500	<0.500
Methylene chloride *	2,700	46,000	1.6	**1130** [C]	**751** [C]	**957** [C]	**1030** [C]	<25.0	<25.0	<100	<2.00	<2.00
Naphthalene **	20,000	110,000	400	<25.0	**3640** [C]	<25.0	<25.0	<25.0	<25.0	<25.0	<0.500	<0.500
n-Propylbenzene	--	--	--	<25.0	**834**	<25.0	<25.0	<25.0	<25.0	<25.0	<0.500	<0.500
Toluene	--	--	1,500	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<0.500	<0.500
1,2,4-Trimethylbenzene[1] *	782,000	--	28,000	<25.0	**5790**	<25.0	<25.0	<25.0	**187**	**135**	<0.500	<0.500
1,3,5-Trimethylbenzene[1] *	782,000	--	28,000	<25.0	**2240**	<25.0	<25.0	<25.0	**138**	**108**	<0.500	<0.500
Xylenes, total	--	--	4,100	**39.6**	**1740**	<25.0	<25.0	<25.0	**54.2**	**29.5**	<0.500	<0.500

Notes:
[1] Standards are for 1,2,4- and 1,3,5-Trimethylbenzene combined.
[A] Parameter exceeds WAC Ch. NR 720 Generic RCL for Non-Industrial Direct Contact.
[B] Parameter exceeds WAC Ch. NR 720 Generic RCL for Industrial Direct Contact.
[C] Parameter exceeds WAC. Ch. NR 720 Generic RCL for Groundwater Pathway.
-- No Generic RCL established.
NA = Not analyzed
ND = Not detected
* Calculated RCLs from USEPA Soil Screening Level Website using NR720 Default Parameters.
** Generic RCL for naphthalene is from the soil cleaning levels for Polycyclic Aromatic Hydrocarbons (PAHs) Intreim Guidance, RR-519-97, April 1997.
This table was taken from the STS Report dated February 2005, *Phase II Environmental Site Assessment, City of South Milwaukee Brownfield Site,* and modified by AECOM (November 2010) to include updated USEPA soil screening level criteria.
Methylene chloride results flagged by laboratory as a likely laboratory artifact. Therefore, the results are considered suspect and not representative of actual site conditions.

TABLE 2C
LABORATORY ANALYTICAL RESULTS FOR SOIL ANALYSIS FOR PAHs and PCBs
PUBLIK PARKING, INC.,
SOUTH MILWAUKEE, WI

	Generic RCLs			GP-3	GP-3	GP-4	GP-5	GP-5	GP-6	GP-7	GP-7	GP-8	GP-9
	Direct Contact Pathway		Groundwater	2-4	4-6	0-2	0-2	10-12	16-18	0-2	4-8	6-8	0-2
Parameters	Non-Industrial	Industrial	Pathway	5/27/04	5/27/04	5/27/04	5/27/04	5/27/04	5/28/04	5/27/04	5/27/04	5/27/04	5/27/04
PID				6.3	2.9	9.1	3.9	2.4	6.2	10.0	6.7	1.6	2.9
PAHs (µg/kg)													
Acenaphthene	900,000	60,000,000	38,000	**363**	<121	**438**	<115	<139	<114	**547**	<126	<124	<114
Acenaphthylene	18,000	360,000	700	<240	<242	**494**	<230	<278	<228	**496**	<253	<248	<227
Anthracene	5,000,000	300,000,000	3,000,000	**134**	<121	**837**	<115	<139	<114	**314**	<126	<124	<114
Benzo(a)anthracene	88	3,900	17,000	**571** [A]	<60.5	**2120** [A]	<57.4	<69.5	<57.0	**725** [A]	**223** [A]	<62.0	<56.8
Benzo(a)pyrene	8.8	390	48,000	**594** [AB]	**61.8** [A]	**2630** [AB]	**89.8** [A]	<6.95	**17.8** [A]	**757** [AB]	**301** [A]	<6.20	<5.68
Benzo(b)fluoranthene	88	3,900	360,000	**583** [A]	<60.5	**1960** [A]	<57.4	<69.5	<57.	**488** [A]	**448** [A]	<62.0	<56.8
Benzo(ghi)perylene	1,800	39,000	6,800,000	**987**	<121	**2010** [A]	<115	<139	<114	**613**	**458**	<124	<114
Benzo(k)fluoranthene	880	39,000	870,000	**318**	<121	**1070** [A]	<115	<139	<114	**318**	**161**	<124	<114
Chrysene	8,800	390,000	37,000	**552**	<121	**2900**	**165**	<139	<114	**659**	**266**	<124	<114
Dibenzo(a,h,)anthracene	8.8	390	38,000	**15.7** [A]	<6.05	**1350** [AB]	**17.6** [A]	<6.95	<5.70	**246** [A]	**275** [A]	<6.20	<5.68
Fluroanthene	600,000	40,000,000	500,000	**631**	<121	**3730**	<115	<139	<114	**1550**	**281**	<124	<114
Fluorene	600,000	40,000,000	100,000	<120	<121	<135	<115	<139	<114	<114	<126	<124	<114
Indeno(1,2,3-cd)pyrene	88	3,900	680,000	**552** [A]	<60.5	**1570** [A]	<57.4	<69.5	<57	**490** [A]	**415** [A]	<62.0	<56.8
1-Methylnaphthalene	1,100,000	70,000,000	23,000	**412**	<121	**2110**	<115	<139	<114	**553**	**174**	<124	<114
2-Methylnaphthalene	600,000	40,000,000	20,000	**136**	<121	**2250**	<115	<139	<114	**922**	<126	<124	<114
Naphthalene	20,000	110,000	400	<120	<121	<135	<115	<139	<114	<114	<126	<124	<114
Phenanthrene	18,000	390,000	1,800	**423**	<121	**1710**	<115	<139	<114	**1140**	<126	<124	<114
Pyrene	500,000	30,000,000	8,700,000	**446**	<121	**2070**	<115	<139	<114	**765**	**379**	<124	<114
PCBs	--	--	--	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
PAHs = Polynuclear Aromatic Hydrocarbons
PCBs = PolyChlorinated Biphenyls
[A] Parameter exceeds WAC Ch. NR 720 Generic RCL for Non-Industrial Direct Contact.
[B] Parameter exceeds WAC. Ch. NR 720 Generic RCL for Industrial Direct Contact.
[C] Parameter exceeds WAC. Ch. NR 720 Generic RCL for Groundwater Pathway.
[D] Parameter exceeds the minimum value that could theoretically exceed TCLP, base on 20 x dilution.
[E] Parameter exceeds TCLP limit for classification as hazardous waste.
-- No Generic RCL established.
NA = Not analyzed
ND = Not detected
Generic RCLs taken from Soil Clean-up Levels for Polycyclic Aromatic Hydrocarbon (PAHs) Interim Guidance, RR-519-97, April 1997.
This table was taken from the STS Report dated February 2005, *Phase II Environmental Site Assessment, City of South Milwaukee Brownfield Site.*

TABLE 2C
LABORATORY ANALYTICAL RESULTS FOR SOIL ANALYSIS FOR PAHs and PCBs
PUBLIK PARKING, INC.,
SOUTH MILWAUKEE, WI

	Generic RCLs			GP-13	GP-13	GP-14	GP-14	GP-15	GP-15	B-2	B-4	B-4	B-6
	Direct Contact Pathway		Groundwater	8-11	11-12	7-8	8-10	6.5-8	8-11	4-6	6-8	8-10	6-8
Parameters	Non-Industrial	Industrial	Pathway	7/15/04	7/15/04	7/16/04	7/16/04	7/16/04	7/16/04	6/9/04	6/9/04	6/9/04	6/11/04
PID				2.7	3.1	31.9	258.6	146.9	100.4	0.3	0.6	7.5	NA
PAHs (µg/kg)													
Acenaphthene	900,000	60,000,000	38,000	<117	<121	<124	<1130	<1160	<1180	<191	<118	<131	<108
Acenaphthylene	18,000	360,000	700	<234	<242	<248	441	<232	<237	<382	<237	<261	<216
Anthracene	5,000,000	300,000,000	3,000,000	<117	<121	<124	**1450**	**733**	**204**	<191	<118	<131	<108
Benzo(a)anthracene	88	3,900	17,000	<58.4	<60.6	<61.9	**4450** [AB]	**3490** [A]	**1050** [A]	<95.5	<59.2	<65.3	**404** [A]
Benzo(a)pyrene	8.8	390	48,000	<5.84	<6.06	<6.19	**975** [AB]	**586** [AB]	**205** [A]	<9.55	**97.4** [A]	**28.7** [A]	**618** [AB]
Benzo(b)fluoranthene	88	3,900	360,000	<58.4	<60.6	<61.9	283 [A]	**287** [A]	**74**	<95.5	**72.1**	<65.3	**629** [A]
Benzo(ghi)perylene	1,800	39,000	6,800,000	<117	<121	<124	**455**	**609**	<118	<191	<118	<131	**622**
Benzo(k)fluoranthene	880	39,000	870,000	<117	<121	<124	**1710** [A]	<1160	<118	<191	<118	<131	**236**
Chrysene	8,800	390,000	37,000	<117	<121	<124	**193**	**2410**	**850**	<191	<118	<131	**337**
Dibenzo(a,h,)anthracene	8.8	390	38,000	<5.84	<6.06	<6.19	**1410** [AB]	<5.80	**61.6** [A]	<9.55	**521** [AB]	**99.3** [A]	**470** [AB]
Fluroanthene	600,000	40,000,000	500,000	<117	<121	<124	**7240**	**3760**	**973**	<191	<118	<131	**479**
Fluorene	600,000	40,000,000	100,000	<117	<121	<124	**461**	**243**	<118	<191	<118	<131	<108
Indeno(1,2,3-cd)pyrene	88	3,900	680,000	<58.4	<60.6	<61.9	**296** [A]	**315** [A]	**168** [A]	<95.5	**664** [A]	<65.3	**570** [A]
1-Methylnaphthalene	1,100,000	70,000,000	23,000	<117	<121	<124	**2670**	<1160	**307**	<191	<118	<131	**333**
2-Methylnaphthalene	600,000	40,000,000	20,000	<117	<121	<124	**1480**	**259**	<118	<191	<118	<131	**333**
Naphthalene	20,000	110,000	400	<117	<121	<124	**650** [C]	<116	<118	<191	<118	<131	**222**
Phenanthrene	18,000	390,000	1,800	<117	<121	<124	**3120** [C]	<116	<118	<191	<118	<131	**223**
Pyrene	500,000	30,000,000	8,700,000	<117	<121	<124	**1800**	**2470**	**453**	<191	<118	<131	**415**
PCBs	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA

Notes:
PAHs = Polynuclear Aromatic Hydrocarbons
PCBs = PolyChlorinated Biphenyls
[A] Parameter exceeds WAC Ch. NR 720 Generic RCL for Non-Industrial Direct Contact.
[B] Parameter exceeds WAC. Ch. NR 720 Generic RCL for Industrial Direct Contact.
[C] Parameter exceeds WAC. Ch. NR 720 Generic RCL for Groundwater Pathway.
[D] Parameter exceeds the minimum value that could theoretically exceed TCLP, base on 20 x dilution.
[E] Parameter exceeds TCLP limit for classification as hazardous waste.
-- No Generic RCL established.
NA = Not analyzed
ND = Not detected
Generic RCLs taken from Soil Clean-up Levels for Polycyclic Aromatic Hydrocarbon (PAHs) Interim Guidance, RR-519-97, April 1997.
This table was taken from the STS Report dated February 2005, *Phase II Environmental Site Assessment, City of South Milwaukee Brownfield Site.*

TABLE 3B
LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES
SOUTH MILWAUKEE BROWNFIELD SITE
STS PROJECT NO. 5-87626XA

Parameters	NR 140 Standards ES	NR 140 Standards *PAL*	GP-4 5/28/2004	GP-5 5/27/2004	GP-7 5/27/2004	GP-13 7/26/2004	GP-14 7/26/2004	GP-15 7/26/2004	B-2 6/15/2004	B-3 6/15/2004	B-4 6/15/2004	B-4DUP 6/15/2004
Metals (µg/L)						NA	NA	NA				
Arsenic	**50**	*5*	*9.01*	<5	<5				<5	<5	<5	<5
Cadmium	**5**	*0.5*	<0.5	<0.5	<0.5				*0.579*	<0.5	<0.5	<0.5
VOCs (µg/L)												
Benzene	**5**	*0.5*	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Naphthalene	**40**	*8*	<8.00	<8.00	<8.00	<8.00	*37.3*	<8.00	<8.00	<8.00	<8.00	<8.00
n-Propylbenzene	--	--	<5.00	<5.00	<5.00	<5.00	6.15	<5.00	<5.00	<5.00	<5.00	<5.00
1,1,2-Trichloroethane	**5**	*0.5*	<0.145	<0.145	<0.145	<0.145	*1.42*	<0.145	<0.145	<0.145	<0.145	<0.145
1,2,4-Trimethylbenzene[1]	**480**	*96*	<5.00	<5.00	<5.00	<5.00	52.2	<5.00	<5.00	<5.00	<5.00	<5.00
1,3,5-Trimethylbenzene[1]	**480**	*96*	<5.00	<5.00	<5.00	<5.00	16.6	<5.00	<5.00	<5.00	<5.00	<5.00
Xylenes, total	**10,000**	*1000*	<5.00	<5.00	<5.00	<5.00	35.8	<5.00	<5.00	<5.00	<5.00	<5.00
PAHs (µg/L)			NA	NA	NA	NA	NA	NA				
Naphthalene	**40**	*8*							<5.00	<5.00	6.27	<5.00

Notes:

DRO = Diesel Range Organics
GRO = Gasoline Range Organics
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
PAHs = Polynuclear Aromatic Hydrocarbons
[1] Standards are for 1,2,4- and 1,3,5-Trimethylbenzene combined.
[2] Standards are for Total Xylenes (-m, -p and -o).
Bold value = NR 140 Enforcement Standard Exceedance
Italic value = NR 140 WAC Preventive Action Limit Exceedance
-- No NR 140 ES or PAL established.
NA = Not analyzed
Note: Only detected parameters are listed above

Table 3A
Groundwater Measurements and Elevations
South Milwaukee Brownfield Site - South Milwaukee, WI
STS Project No. 5-87626XA

Well Number	B-2		B-3		B-4	
Ground Elevation (ft)	656.02		657.37		658.68	
Top of PVC Casing (TOC) Elevation (ft)	655.52		656.99		658.42	
Screen Length (ft)	10		10		10	
TOC to Bottom of Well (ft)[A]	14.62		24.88		14.5	
Date	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)
6/15/2004	5.92	649.6	17.63	639.36	5.66	652.76
7/15/2004	5.94	649.58	18.01	638.98	5.98	652.44

ft = feet
[A] = as measured inside well
NI = Not Installed
-- no elevation