GIS REGISTRY
Cover Sheet

July, 2008
(RR 5367)

Source Property Information

CLOSURE DATE: Oct 27, 2011

BRRTS #: 03-30-515245

FID #: 230113620

ACTIVITY NAME: 54TH ST AND HWY 32, NW CORNER

DATCP #:

PROPERTY ADDRESS: 54TH ST AND HWY 32, NW CORNER

COMM #:

MUNICIPALITY: KENOSHA

PARCEL ID #: 1222331432017

***WTM COORDINATES:**

X: 698654 Y: 237199

** 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")*
- [x] Soil Contamination > *RCL or **SSRCL *(232)*
  - [ ] Contamination in ROW
  - [ ] Off-Source Contamination

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

Land Use Controls:

- [ ] Soil: maintain industrial zoning *(220)*

  *(**note:** soil contamination concentrations between residential and industrial levels)*
- [ ] Structural Impediment *(224)*
- [ ] Site Specific Condition *(228)*
- [x] Cover or Barrier *(222)*

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

  *(**note:** local government or economic development corporation)*

Monitoring wells properly abandoned? *(234)*

( ) Yes (•) No ( ) N/A

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

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

PLEASE ASSEMBLE IN THIS ORDER

GIS Registry Checklist

Form 4400-245 (R 3/10)

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

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

BRRTS #: 03-30-515245 *(No Dashes)* PARCEL ID #: 12-223-31-432-017

ACTIVITY NAME: 54th Street and Highway 32, Northwest Corner WTM COORDINATES: X: 698654 Y: 237199

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

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

SOURCE LEGAL DOCUMENTS

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

  Figure #: Exhibit A Title: Kenosha County Certified Survey Map 1012
- [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 and 2A Title: 2-Detailed Site Map (Preconstruction) and 2A-Current
- [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 #: 3, 4, and 5 Title: Residual Soil Concentration Map BENZENE; ARSENIC; LEAD

BRRTS #: 03-30-515245 ACTIVITY NAME: 54th Street and Highway 32, Northwest Corner

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 #: 6 **Title: Geologic Cross Section A**

Figure #: 7 **Title: Geologic Cross Section B**

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

Figure #: **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 #: 1 and 2 **Title: Remaining VOC Soil Contamination; Remaining RCRA Metals Contamination**

☐ **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 #: 8 **Title: Monitoring Well Locations**

☒ **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 #: 03-30-515245 ACTIVITY NAME: 54th Street and Highway 32, Northwest Corner

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
Sturtevant Service Center
9531 Rayne Rd
Sturtevant WI 53177

Scott Walker, Governor
Cathy Stepp, Secretary
John Hammen, Acting Regional Director
Telephone 262-884-2300
FAX 262-884-2306
TTY Access via relay - 711

October 27, 2011

Mr. Ray Arbet
Director of Public Works
Kenosha County
19600 75th St.
Bristol, WI 53104

Subject: Closure with Soil GIS for 54th & Hwy 32, Northwest Corner, Kenosha, WI BRRTS 03-30-515245, FID 230113620

Dear Mr. Arbet:

In October 2008, the Southeast Region Closure Committee reviewed the above referenced case for closure. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On October 23, 2008, The County was notified that the Closure Committee had granted conditional closure to this case.

On September 12, 2011 the Department received information or documentation indicating that you have complied with the requirements for final closure. The Soil GIS packet was submitted with the location of the two monitoring wells that the abandonment forms are unavailable for therefore they will be noted as missing on the GIS database.

The Department reviewed the case closure request regarding the petroleum contamination in soil 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 9531 Rayne Road, Sturtevant, WI 53177. This letter and information that was submitted with your closure request application, including the maintenance plan, will be included on the GIS Registry, in a PDF attachment. To review the sites on the GIS Registry web page, visit the RR Sites Map page at http://dnr.wi.gov/org/aw/rr/gis/index.htm. If the property is listed on the GIS Registry because of remaining contamination and you intend to construct or reconstruct a well, you will need prior Department approval in accordance with s. NR 812.09(4) (w), Wis. Adm. Code. To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This

form can be obtained on-line at http://dnr.wi.gov/org/water/dwg/3300254.pdf or at the web address listed above for the GIS Registry.

Closure Conditions

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

Cover or Barrier

Pursuant to s. 292.12(2)(a), Wis. Stats., the pavement or other impervious cap that currently exists, the new parking lot and parking structue 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 in the central portion of the property within the vicinity of the former underground storage tank system and former dispenser island as shown on the **attached map** and in the information submitted to the Department of Natural Resources. If soil in the specific locations shown on the attached map is excavated in the future, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken during excavation activities to prevent a health threat to humans.

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 September 12, 2011 your consultant Terracon notified the Department that monitoring well(s) MW-1 and MW-3 located on the property as 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 missing monitoring wells 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.

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
- Development, construction or other changes, including zoning changes, that change the land use from industrial to non-industrial
- 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 Southeast Region to the attention of Victoria Stovall, Environmental Program Associate, 2300 N. Dr. Martin Luther King Jr. Drive, Milwaukee, WI 53212.

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

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Shanna L. Laube-Anderson at 262-884-2341.

Sincerely,

Frances M. Koonce

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

Cc: Scott Hodgson, Terracon, 9856 S. 57th St., Franklin, WI 53132

PAVEMENT COVER MAINTENANCE PLAN

August 1, 2011

Property Located at: 54th Street and Highway 32 Northwest Corner (Kenosha Park and Ride Structure)
Kenosha, Kenosha County, Wisconsin 53140
WDNR BRRTS/Activity #03-30-515245

Legal Description: See property deed included within closure documentation.

Tax Parcel Numbers: # 12-223-31-432-017

Introduction

This document is the Maintenance Plan for the pavement cover at the above-referenced property in accordance with the requirements of s. NR 724.13(2), Wisconsin Administrative Code. The maintenance activities relate to the paved surfaces occupying the area over the contaminated groundwater plume and soil on-site.

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

- The case file in the DNR Southeast Region regional office
- BRRTS on the Web (DNR's internet based data base of contaminated sites): http://dnr.wi.gov/botw/SetUpBasicSearchForm.do
- GIS Registry PDF file for further information on the nature and extent of contamination: http://dnrmaps.wisconsin.gov/imf/imf.jsp?site=brrts2; and
- The DNR project manager for the property (Ms. Shanna Laube-Anderson)

Description of Contamination

Soil contaminated by petroleum products, lead, and arsenic associated with historic fill, is located on the prorperty. Groundwater contaminated by petroleum products is coincident with the historic filling station which operated from approximately 1941 through 1960. The extent of the soil and groundwater contamination is shown on the attached Figures 1 and 2, respectively.

Description of the Barrier to be Maintained

The cover consists of the existing parking structure over the western part of the property and asphalt pavement over the eastern part of the property. The location of the cap area to be maintained under this agreement is presented on the attached Figure 3.

Cover Purpose

The parking structure and paved surfaces over the contaminated groundwater plume and soil serve as a barrier to prevent direct human contact with residual soil contamination that might otherwise pose a threat to human health. They also act as a partial infiltration barrier. Based on the current and future use of the property, the barrier should function as intended unless disturbed.

Annual Inspection

The parking structure and paved surface overlying the contaminated groundwater plume and soil, as depicted on Figure 3 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 additional infiltration into 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 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 A, 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 parking structure and/or paved surfaces in the area of the barrier (as shown on Figure 3) 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 parking structure and paved surfaces, 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 DNR Prior to Actions Affecting a Cover or Cap

The following activities are prohibited on any portion of the property where a paved surface 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; 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.

Contact Information (August 2011)

Site Owner and Operator: Kenosha County
Kenosha County Center
19600 75th Street
Bristol, Wisconsin 53104
(262) 857-1870
Contact: Ray Arbet, Director, Department of Public Works

Printed Name: Ray Arbet

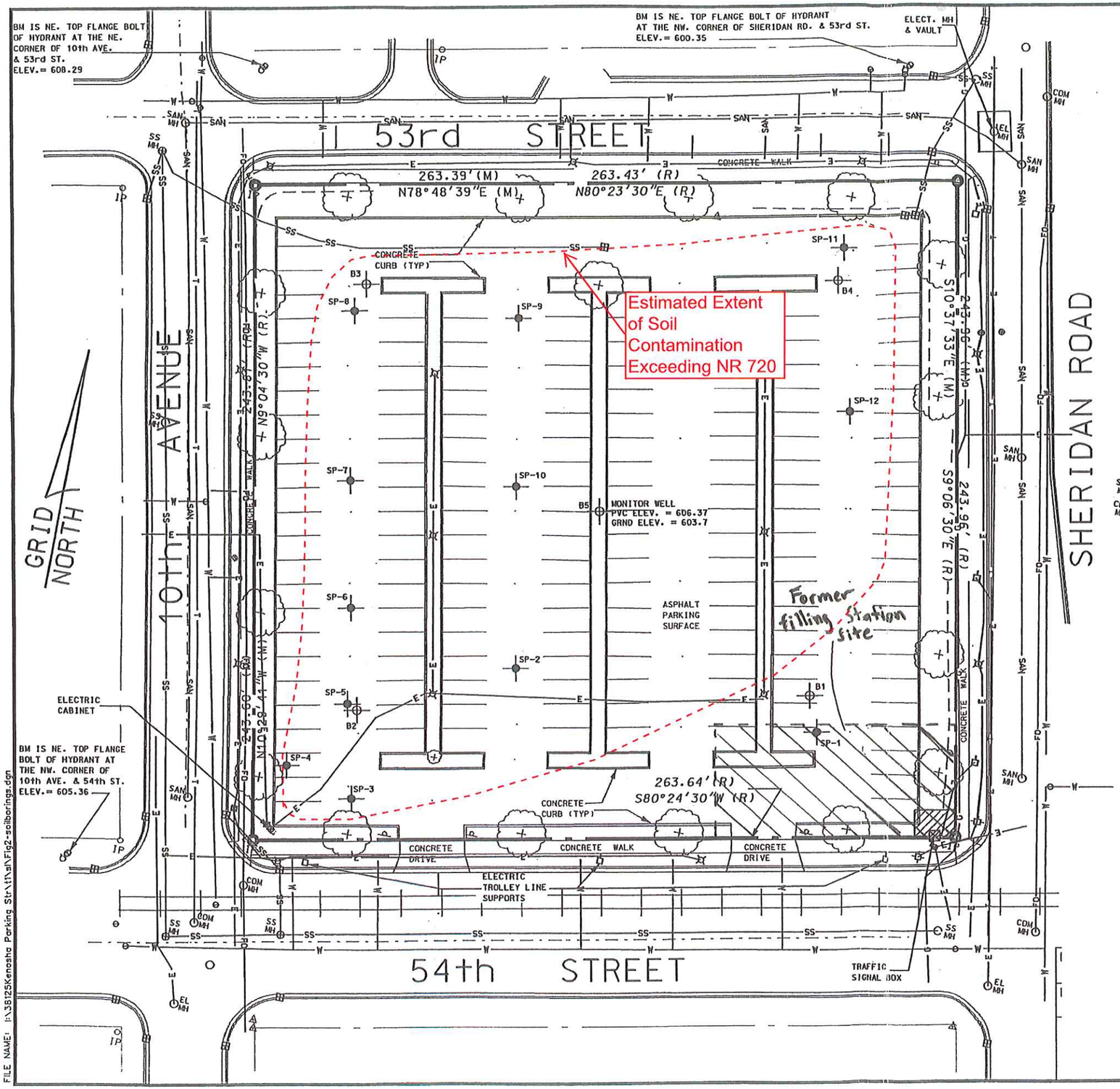
Signature: _____ 8-24-11

Consultant: Terracon Consultants Inc.
9856 South 57th Street
Franklin, WI 53132
(414) 423-0255
Contact: Scott Hodgson

WDNR: Wisconsin Department of Natural Resources
9531 Rayne Road, Suite IV
Sturtevant, Wisconsin 53177
(262) 884-2300
Contact: Shanna Laube-Anderson

Barrier INSPECTION and MAINTENANCE LOG

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



PLAT OF SURVEY

LEGAL DESCRIPTION :

Lot 2 of Certified Survey Map 1012, recorded in the County of Kenosha, State of Wisconsin as Document 722524, Volume 1166, pages 414 through 416, being also known as, Block 7 of the Original Town of Southport, a subdivision of record, in the Southeast 1/4 of Section 31, Township 2 North, Range 23 East, of the Fourth Principal Meridian in the City of Kenosha, County of Kenosha, State of Wisconsin.

Parcel area: 64,273 square feet (1.476 acres), more or less.

SURVEY NOTES :

Bearings shown hereon are based on The Wisconsin State Plane Coordinate System - South Zone, supplied by the Southeastern Wisconsin Regional Planning Commission.
Elevations are based on NGVD-29 Datum

Survey performed for Kenosha County.

The survey shown hereon was performed without benefit of a title search; there may be additional encumbrances not shown hereon contained in the public records of Kenosha County.

LEGEND :

- IP = Iron Pipe Found
- SAN MH = Sanitary Manhole
- COM MH = Communications Manhole
- = Catch Basin
- = Hydrant
- = Traffic Signal Pole
- EL MH = Electric Manhole
- = Light Pole
- SS MH = Storm Manhole
- = Power Pole
- = Pull Box
- = Bench Mark
- = Geotechnical Soil Boring
- = Geoprobe Soil Boring

Figure 1
Soil Quality Map
Former Kenosha Park and Ride
54th Street and Highway 32 Northwest Corner

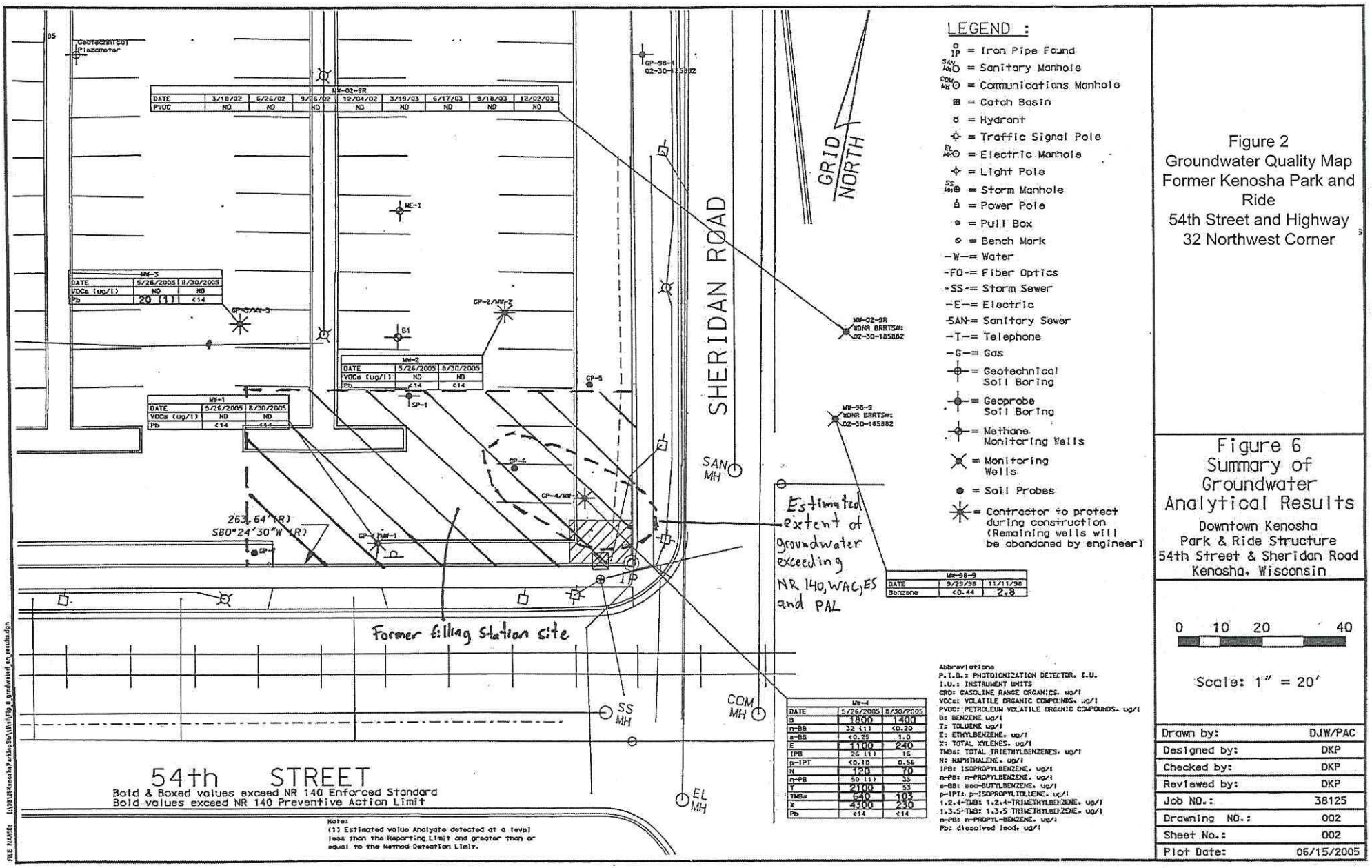


Figure 2
Groundwater Quality Map
Former Kenosha Park and Ride
54th Street and Highway 32 Northwest Corner

Figure 6
Summary of Groundwater Analytical Results
Downtown Kenosha
Park & Ride Structure
54th Street & Sheridan Road
Kenosha, Wisconsin

0 10 20 40

Scale: 1" = 20'

Drawn by:	DJW/PAC
Designed by:	DKP
Checked by:	DKP
Reviewed by:	DKP
Job NO.:	38125
Drawing NO.:	002
Sheet No.:	002
Plot Date:	06/15/2005

Park N Ride

1 inch = 80.04 feet

Map Printed: 8/8/2011

THIS MAP IS NEITHER A LEGALLY RECORDED MAP NOR A SURVEY AND IS NOT INTENDED TO BE USED AS ONE. THIS DRAWING IS A COMPILATION OF RECORDS, DATA AND INFORMATION LOCATED IN VARIOUS STATE, COUNTY AND MUNICIPAL OFFICES AND OTHER SOURCES AFFECTING THE AREA SHOWN AND IS TO BE USED FOR REFERENCE PURPOSES ONLY. KENOSHA COUNTY IS NOT RESPONSIBLE FOR ANY INACCURACIES HEREIN CONTAINED. IF DISCREPANCIES ARE FOUND, PLEASE CONTACT THE LAND INFORMATION DIVISION OF THE DEPARTMENT OF PLANNING AND DEVELOPMENT.

Kenosha County Interactive Mapping Site

Source

Current Asphalt and Parking Structure Locations

FIGURE 3

730640

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FEE

DOCUMENT NO. Exempt #2 EXEMPT

Return To:
Corporation Counsel's Office
Courthouse
Kenosha, WI 53140

QUIT CLAIM DEED

THIS INDENTURE, made this 11th day of January, 1985, between the City of Kenosha, Wisconsin, as Grantor, hereinafter referred to as CITY and the County of Kenosha, Wisconsin, as Grantee, hereinafter referred to as COUNTY.

WITNESSETH:

The CITY, for and in consideration of the sum of One ($1.00) Dollar and other good and valuable consideration, to it in hand paid by COUNTY, the receipt whereof is hereby confessed and acknowledged, quit claims to COUNTY and to its successors and assigns forever, Lots 1, 2, and 4 described in Exhibit "A", a Certified Survey Map recorded with the Kenosha County Register of Deeds, which is attached hereto and incorporated herein by reference, subject to the following conditions, covenants, reservations and restrictions which shall run with the land and which shall be binding upon the successors and assigns of COUNTY, and which shall be enforceable by the CITY and by the Redevelopment Authority of the City of Kenosha:

1) This deed is subject to easements of record.

2) This deed reserves to the CITY and to public utilities the right to enter upon the described property for the purpose of reconstructing, maintaining, repairing or servicing existing public utilities. COUNTY and its successors may not construct a building or structure, or parts thereof, on or over any public utility without the written permission of such public utility. The CITY shall be deemed a public utility herein where it provides water and sewer services.

3) The described property, until April 13, 1992, shall not be developed or used by COUNTY or its successors or assigns in any manner which is inconsistent with or prohibited by the Redevelopment Plan of record of the Redevelopment Authority of the City of Kenosha, which is applicable to said described property; without the written approval of the CITY and of the Redevelopment Authority of the City of Kenosha.

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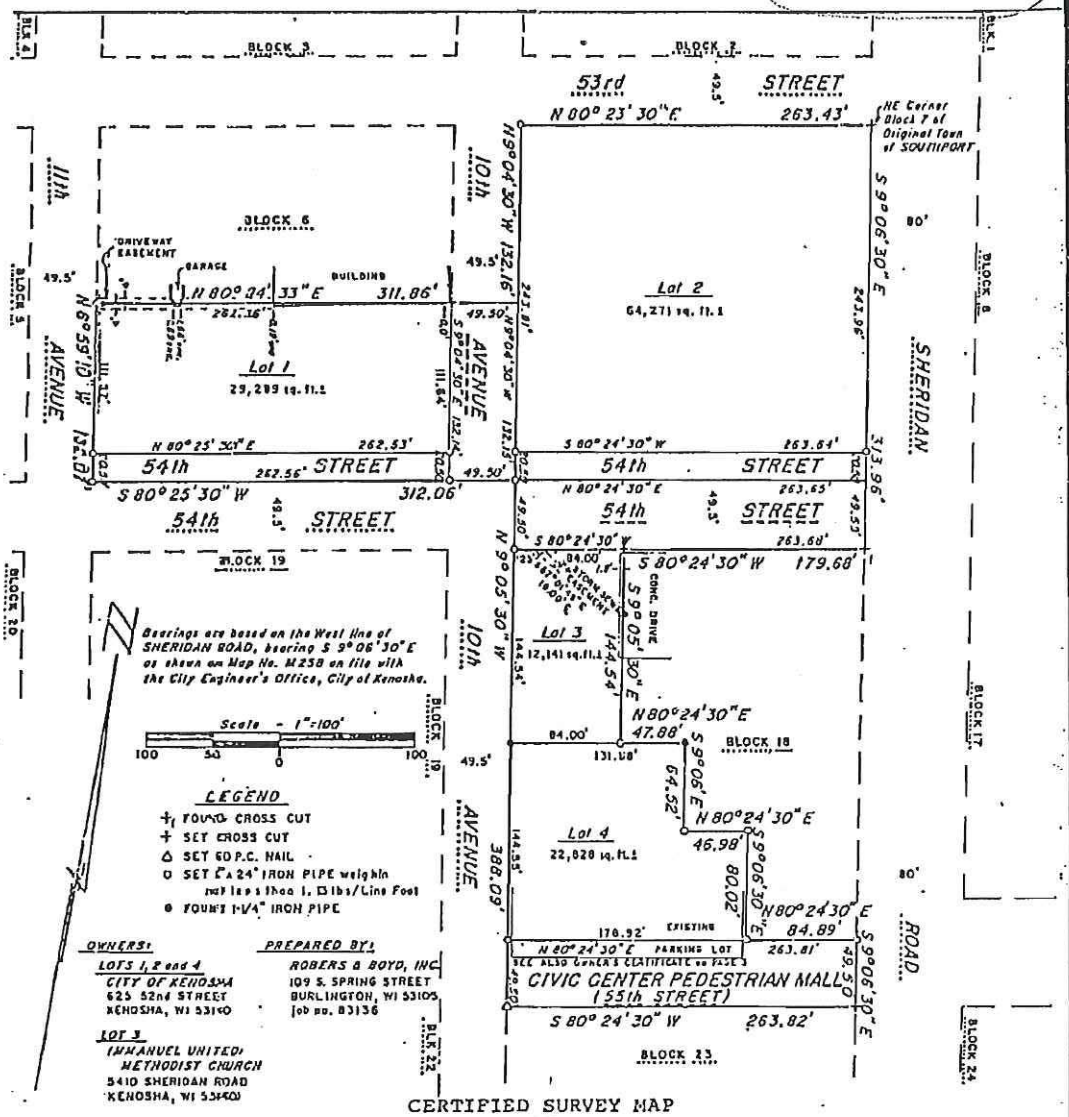

CERTIFIED SURVEY MAP
OF

lock 7 and part of Blocks 6 and 18, also part of 10th Avenue, part of 54th Stree nd that part of 55th Street heretofore designated as the Civic Center Pedestrian all pursuant to Ordinance No. 14-83, adopted by the Common Council of the City o enosha on March 21, 1983, all in the Original Town of Southport, a subdivision o ecord, in the Southeast 1/4 of Section 31, Township 2 North, Range 23 East, of t ourth Principal Meridian in the City of Kenosha, County of Kenosha, State of isconsin.

WISCONSIN
KENNETH R. REESMAN
S-1351
SURVEYOR

KENNETH R. REESMAN, RLS 1351
Dated this 23rd day of November, 1983

KENOSHA COUNTY CERTIFIED SURVEY MAP NO. 1012

EXHIBIT "A"

VOL 1166 PAGE 72

VOL 1166 PAGE 416

CERTIFIED SURVEY MAP
OF

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ecord, in the Southeast 1/4 of Section 31, Township 2 North, Range 23 East, of
ourth Principal Meridian in the City of Kenosha, County of Kenosha, State of
isconsin.

WNERS CERTIFICATE OF DEDICATION

he City of Kenosha, as owner of the land identified as Lots 1, 2, and 4 on thi
Certified Survey Map", and Immanuel United Methodist Church, as owner of the la
dentified as Lot 3 hereon, hereby certify that they have caused the land des-
ribed on this "Certified Survey Map" to be surveyed, divided, mapped and dedica
s represented on said map.

he City of Kenosha further certifies, for itself and any successor in interest
o the aforesaid Lot 4, or any part thereof, that the part of the Civic Center
edestrian Mall which is identified as "Existing Parking Lot" on this map is no
or is intended to be, part of the said Lot 4, but, instead, is intended to rema
art of the existing 55th Street right-of-way in which the said Pedestrian Mall
s located, until such time as the City of Kenosha, in accordance with applicabl
aw, shall have vacated such existing street right-of-way.

ity of Kenosha:

OHN D. BILOTTI, Mayor

Nellie Repka

IELLIE REPKA, Deputy City Clerk

Immanuel United Methodist Church:

IRWIN STEIGERT, Chairman of Administra

Gilbert Petzke

GILBERT PETZKE, Chairman, Board of Trustees

Rev. Louis Klotzbach

REV. LOUIS KLOTZBACH, Pastor

JAMES L. SPICE NOTARY PUBLIC STATE OF WISCONSIN

ubscribed and sworn to before me this 20 th day of June, 1984.

James L. Spice

James L. Spice
IOTARY PUBLIC, KENOSHA COUNTY, WI

y commission expires September 16, 1984.

REGISTER'S OFFICE } S.S.
Kenosha County, Wis.
RECORDED AT 11:05 A M
ON JUL 12 1984 IN
RECORDS VOL. 1166 P 414-9
Rose Olsen
REGISTER OF DEEDS
800

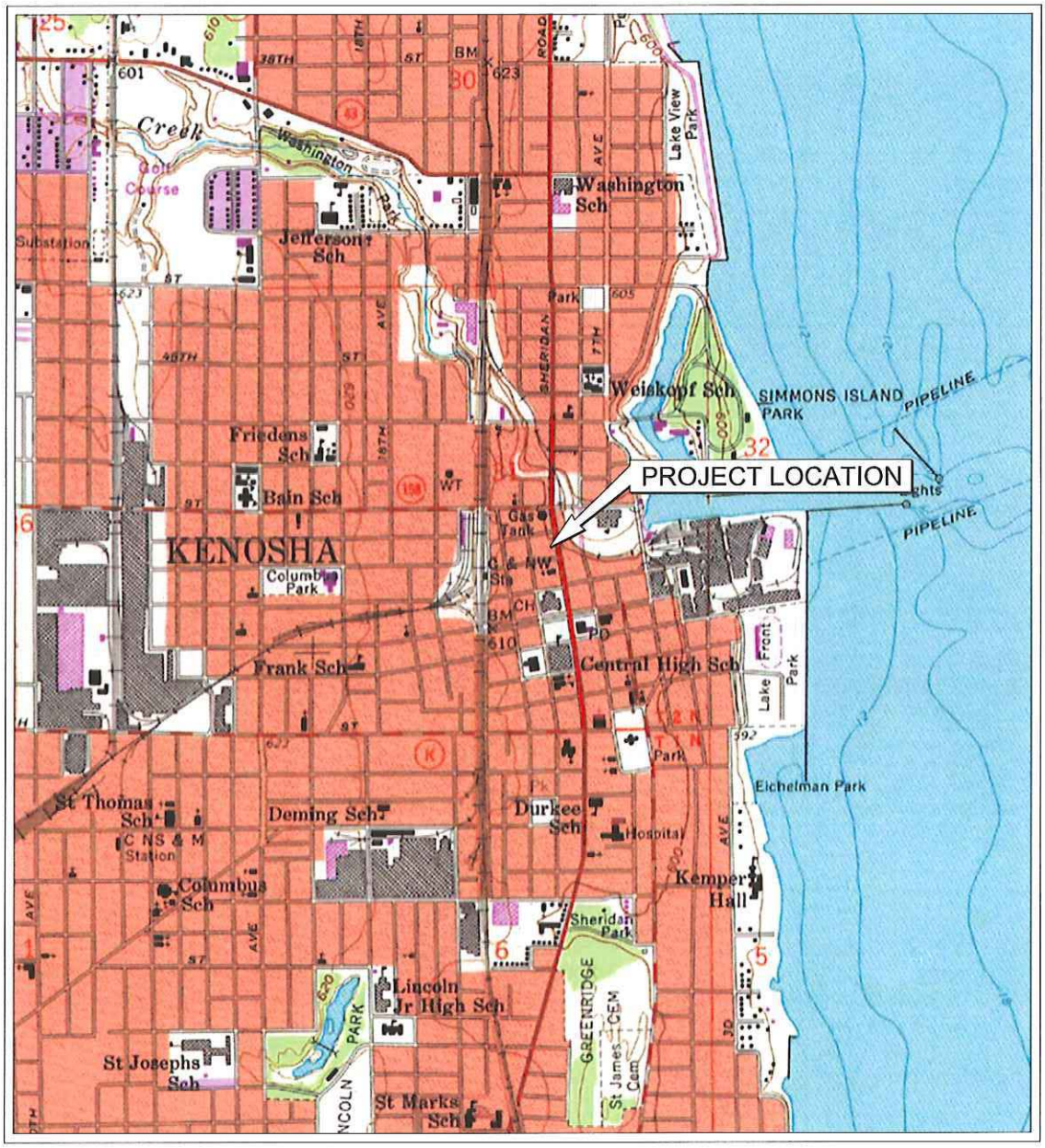
REGISTER'S OFFICE } S.S.
Kenosha County, Wis.
RECORDED AT 3:55 P M
ON JAN 21 1985 IN
RECORDS VOL. 1180 P 68-72
Donna M. Dietman
REGISTER OF DEEDS
1200 By Joyce Riehl deputy

KENOSHA COUNTY CERTIFIED SURVEY MAP NO. 1012

Sheet 1 of 3

WHEN THI
SUBMITTE
IT WAS

UNITED STATES – DEPARTMENT OF THE INTERIOR – GEOLOGICAL SURVEY



SCALE 1:24 000

1 .5 0 KILOMETERS 1 2

1000 0 METERS 1000 2000

1 .5 0 1

MILES

1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000

CONTOUR INTERVAL 10 FEET

NATIONAL GEODETIC VERTICAL DATUM OF 1929

KENOSHA QUADRANGLE
WISCONSIN - KENOSHA COUNTY
1958 PHOTOREVISED 1971 MINOR REVISIONS 1994
7.5 MINUTE SERIES (TOPOGRAPHIC)

DIAGRAM IS FOR GENERAL LOCATION ONLY AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Mngr:	JLC
Drawn By:	AGC
Checked By:	JLC
Approved By:	BRS

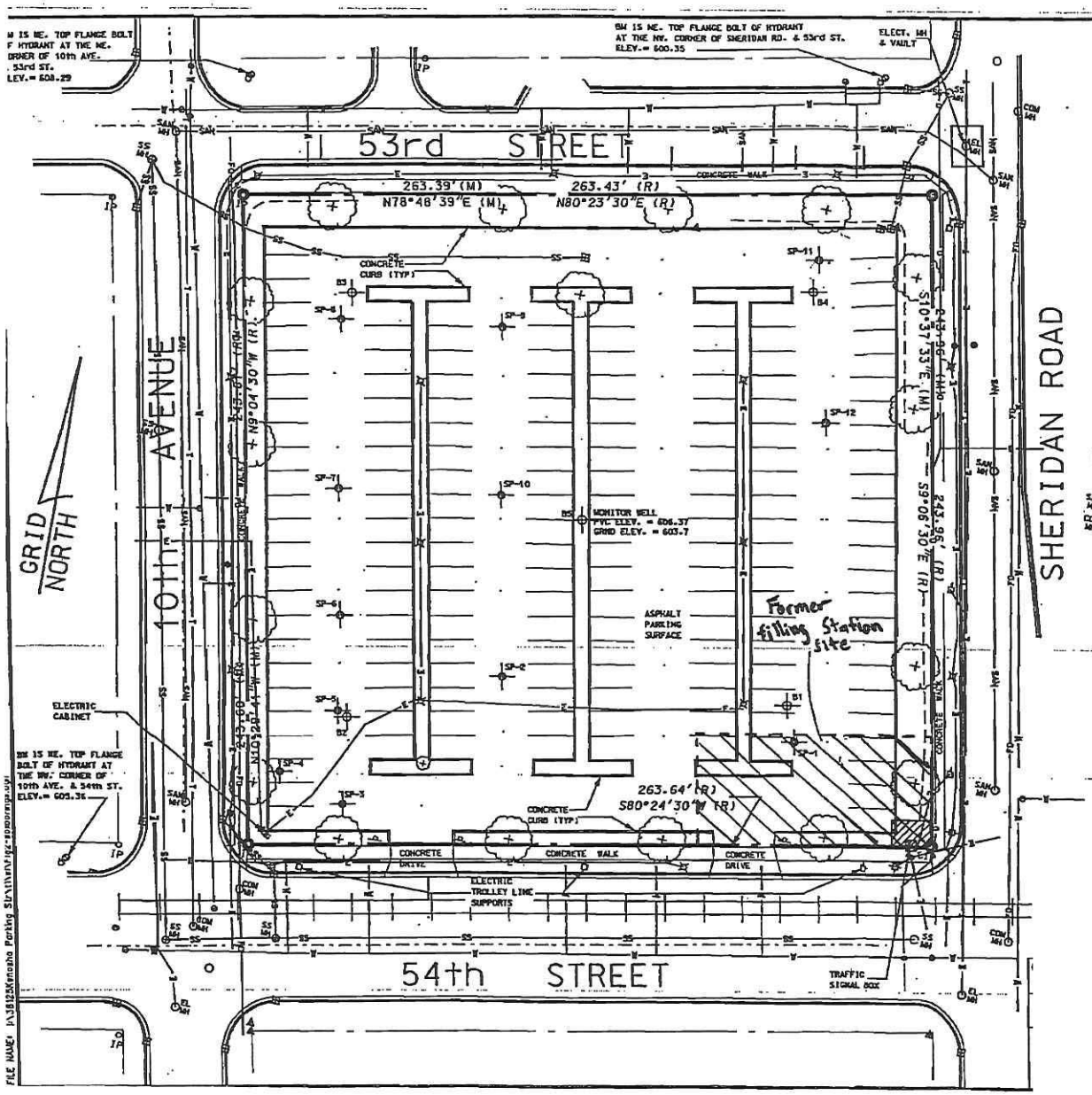
Project No.	38067030
Scale:	AS SHOWN
File No.	38067030 SL
Date:	7/29/11

Terracon
Consulting Engineers and Scientists
9856 SOUTH 57th STREET FRANKLIN, WI 53132
PH. (414) 423-0255 FAX. (414) 423-0566

TOPOGRAPHIC MAP

KENOSHA PARK & RIDE
NORTHWEST CORNER OF 54th STREET & HIGHWAY 32
KENOSHA WISCONSIN

FIGURE
1



PLAT OF SURVEY

LEGAL DESCRIPTION :

Lot 2 of Certified Survey Map 1012, recorded in the County of Kenosha, State of Wisconsin as Document 722524, Volume 1166, pages 414 through 416, being also known as, Block 7 of the Original Town of Southport, a subdivision of record, in the Southeast 1/4 of Section 31, Township 2 North, Range 23 East, of the Fourth Principal Meridian in the City of Kenosha, County of Kenosha, State of Wisconsin.

Parcel area: 64,273 square feet (1.476 acres), more or less.

SURVEY NOTES :

Bearings shown hereon are based on The Wisconsin State Plane Coordinate System – South Zone, supplied by the Southeastern Wisconsin Regional Planning Commission.
Elevations are based on NGVD-29 Datum

Survey performed for Kenosha County.

The survey shown hereon was performed without benefit of a title search; there may be additional encumbrances not shown hereon contained in the public records of Kenosha County.

LEGEND :

- IP = Iron Pipe Found
- SAN = Sanitary Manhole
- CM = Communications Manhole
- CB = Catch Basin
- H = Hydrant
- TS = Traffic Signal Pole
- E = Electric Manhole
- LP = Light Pole
- ST = Storm Manhole
- PP = Power Pole
- PB = Pull Box
- BM = Bench Mark
- Geotechnical Soil Boring
- Geoprobe Soil Boring

Figure 2
Detailed Site Map

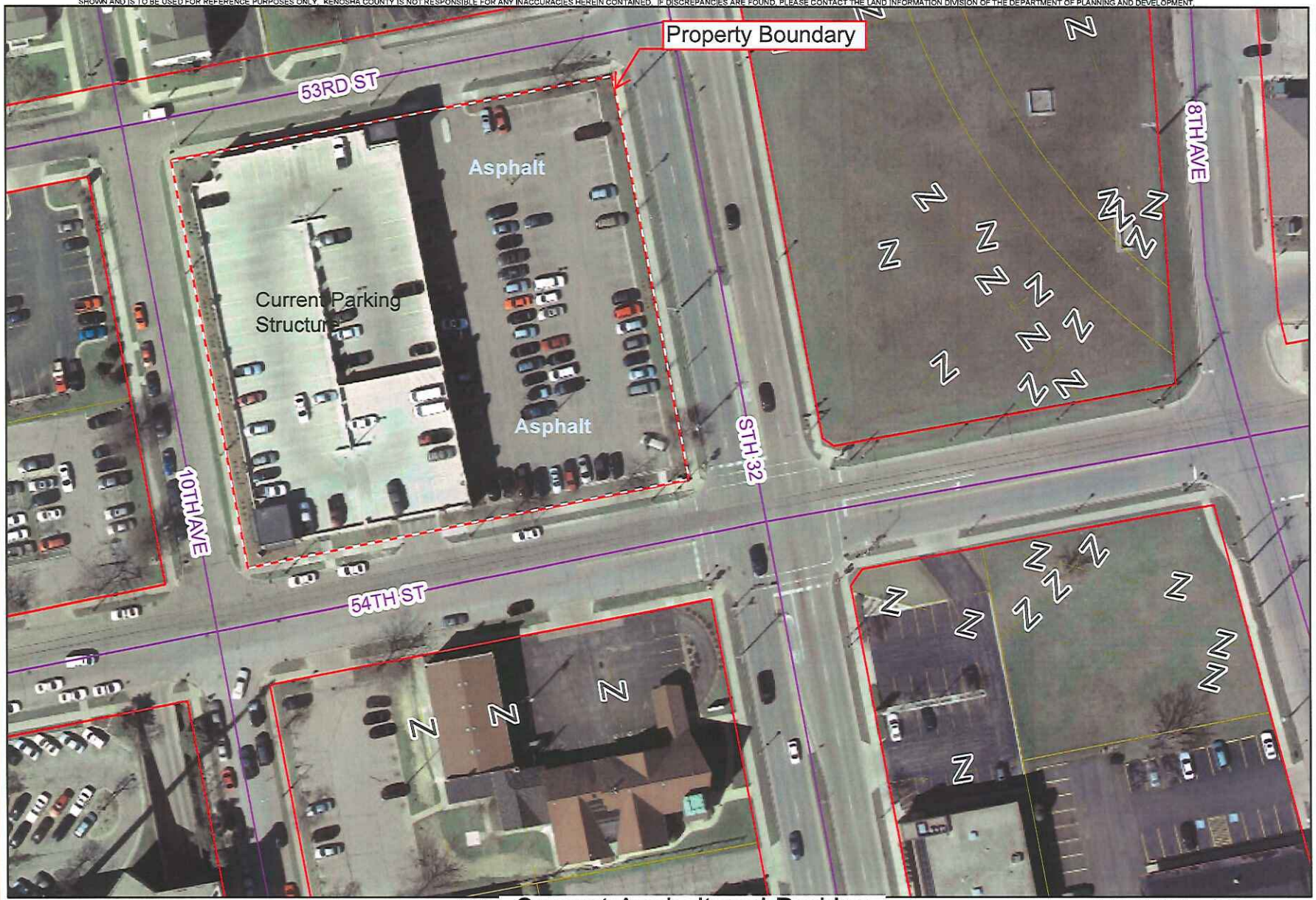
Park N Ride

1 inch = 80.04 feet

Map Printed: 8/8/2011

THIS MAP IS NEITHER A LEGALLY RECORDED MAP NOR A SURVEY AND IS NOT INTENDED TO BE USED AS ONE. THIS DRAWING IS A COMPILATION OF RECORDS, DATA AND INFORMATION LOCATED IN VARIOUS STATE, COUNTY AND MUNICIPAL OFFICES AND OTHER SOURCES AFFECTING THE AREA SHOWN AND IS TO BE USED FOR REFERENCE PURPOSES ONLY. KENOSHA COUNTY IS NOT RESPONSIBLE FOR ANY INACCURACIES HEREIN CONTAINED. IF DISCREPANCIES ARE FOUND, PLEASE CONTACT THE LAND INFORMATION DIVISION OF THE DEPARTMENT OF PLANNING AND DEVELOPMENT.

Kenosha County Interactive Mapping Site



Source

Current Asphalt and Parking Structure Locations

FIGURE 2A

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- = Light Pole
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- = Power Pole
- = Pull Box
- = Bench Mark
- = Geotechnical Soil Boring
- = Geoprobe Soil Boring

Figure 3
Residual Soil Contamination
Contour Map
BENZENE

FILE NAME: I:\3812SKenosha Parking Str\fig\Fig2-soilborings.dgn

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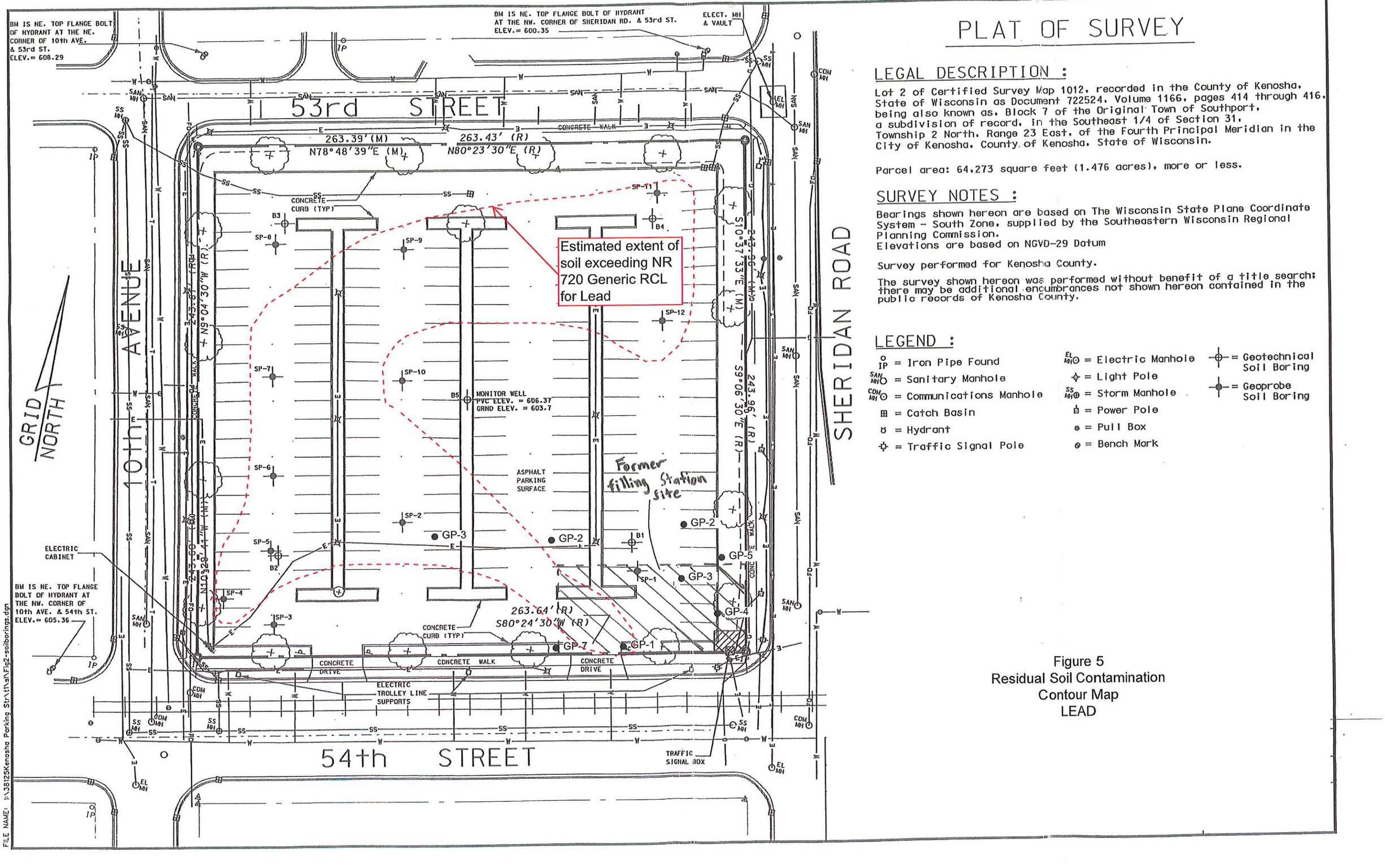

Figure 5
Residual Soil Contamination
Contour Map
LEAD

FILE NAME: I:\36125Kenosha Parking Str\th\sl\Fig2-soilborings.dgn

PLAT OF SURVEY

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- = Power Pole
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- = Geotechnical Soil Boring
- = Geoprobe Soil Boring

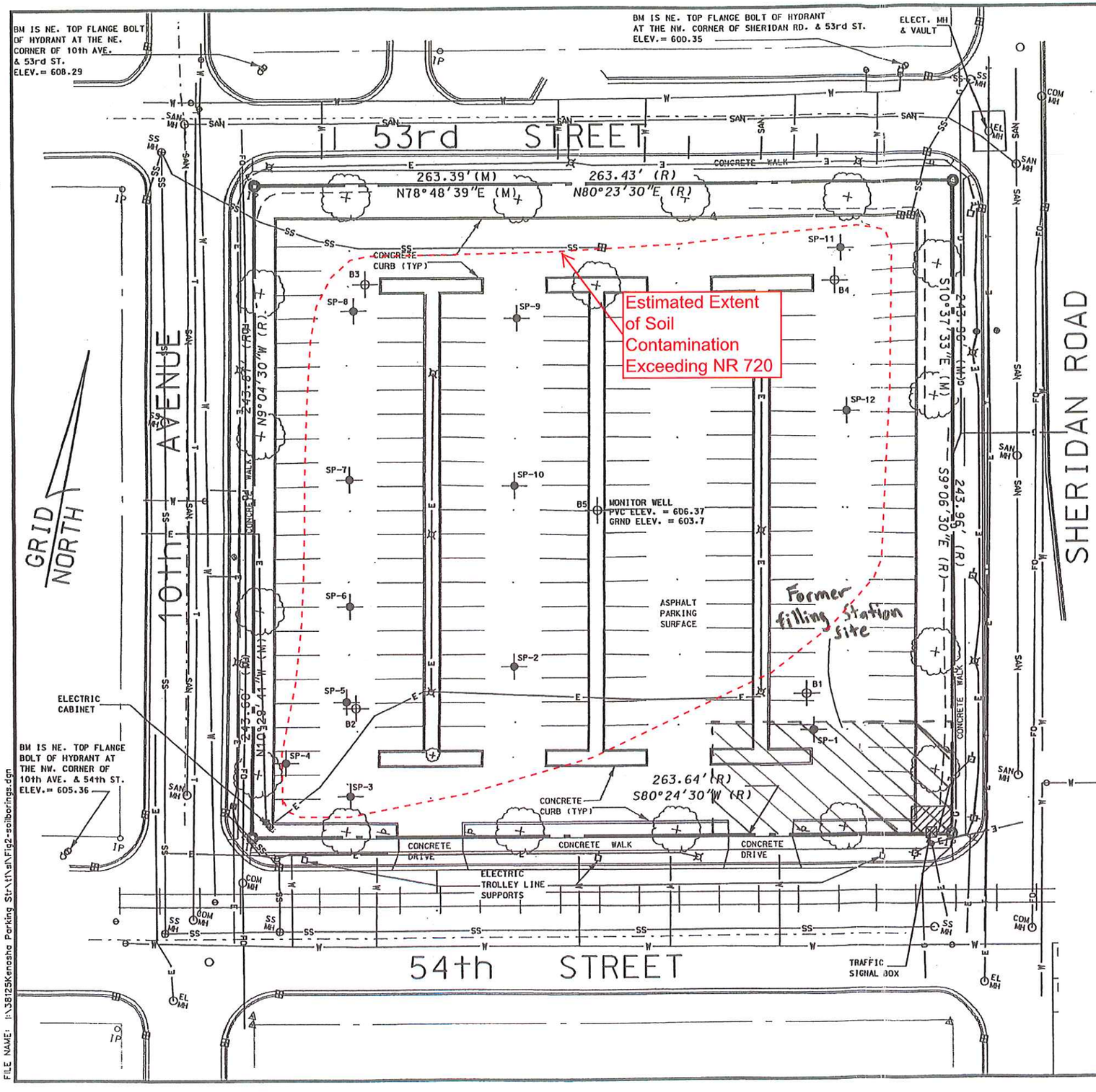

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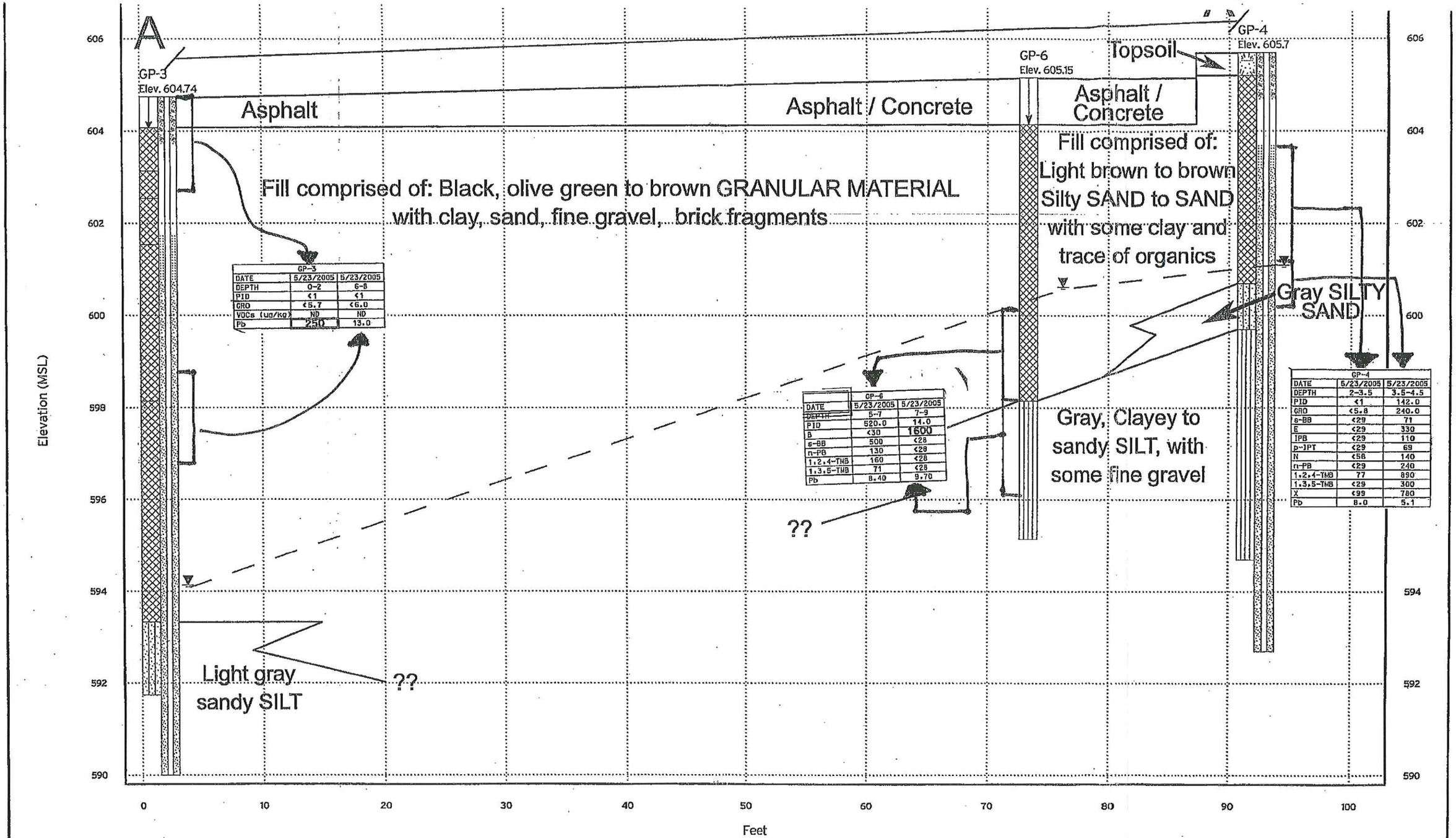
Figure 2
Residual Soil Contamination Contour
Arsenic



GP-3		
DATE	5/23/2005	5/23/2005
DEPTH	0-2	6-8
PID	<1	<1
GRO	<5.7	<6.0
VOCs (ug/kg)	ND	ND
Pb	250	13.0

GP-6		
DATE	5/23/2005	5/23/2005
DEPTH	5-7	7-9
PID	520.0	14.0
B	<30	1600
s-BB	500	<28
n-PB	130	<28
1,2,4-TMB	160	<28
1,3,5-TMB	71	<28
Pb	8.40	9.70

GP-4		
DATE	5/23/2005	5/23/2005
DEPTH	2-3.5	3.5-4.5
PID	<1	142.0
GRO	<5.8	240.0
s-BB	<29	71
E	<29	330
IPB	<29	110
p-IPT	<29	69
N	<58	140
n-PB	<29	240
1,2,4-TMB	77	890
1,3,5-TMB	<29	300
X	<99	780
Pb	8.0	5.1

USCS Symbol Legend

FILL	MH	GW-GM	GM	SW-SM	SM
CL	OL-OH	GW-GC	GC	SW-SC	SC
ML	GW	GP-GM	SW	SP-SM	
CH	GP	GP-GC	SP	SP-SC	

Groundwater Elevation

DRN BY:		PLOT DATE:	12/1/2005
DSN BY:		JOB NO:	38125
CHK BY:		DWG NO:	
REV BY:		SHEET NO:	

Figure 3A

Schematic Cross-section A-A'

Downtown Kenosha Park and Ride Structure
Kenosha

HNTB Corporation
Engineers Architects Planners
11414 West Park Place, Ste. 300
Milwaukee, WI 53224-3526
(414) 359-2300
www.hntb.com

B

B'

GP-1
Elev. 606.16

GP-6
Elev. 605.15

GP-5
Elev. 604.99

Asphalt / Concrete

Asphalt / Concrete

Topsoil

GP-1		
DATE	5/23/2005	5/23/2005
DEPTH	0-2	4-5
PID	15.0	10.0
GRO	5.8	<5.9
VOCs (ug/kg)	ND	ND
Pb	250	7.6

Brown, Silty SAND with a trace of Clay

Fill Comprised of: Light brown
GRANULAR MATERIAL and
SAND with silt and concrete fragments

???

GP-5		
DATE	5/23/2005	5/23/2005
DEPTH	1-3	3-4
PID	<1	<1
GRO	<5.7	<5.9
VOCs (ug/kg)	ND	ND
Pb	47.0	12.0

Gray, Clayey SILT
with fine sand
and some fine gravel

GP-6		
DATE	5/23/2005	5/23/2005
DEPTH	5-7	7-9
PID	520.0	14.0
B	<30	1600
s-BB	500	<28
n-PB	130	<28
1,2,4-TMB	160	<28
1,3,5-TMB	71	<28
Pb	8.40	9.70

Gray Clayey to Sandy
SILT with fine sand
and some fine gravel

Elevation (MSL)

607 606 605 604 603 602 601 600 599 598 597 596 595 594 593

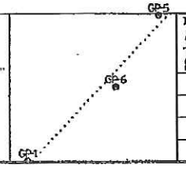
0 5 10 15 20 25 30 35 40 45 50 55 60 65

Feet

USCS Symbol Legend

FILL	MH	GW-GM	GM	SW-SM	SM
CL	OL-OH	GW-GC	GC	SW-SC	SC
ML	GW	GP-GM	SW	SP-SM	
CH	GP	GP-GC	SP	SP-SC	

Groundwater Elevation



DRN BY:		PLOT DATE:	12/1/2005
DSN BY:		JOB NO:	38125
CHK BY:		DWG NO:	
REV BY:		SHEET NO:	

Figure 3B

Schematic Cross-section B-B'

Downtown Kenosha Park and Ride Structure
Kenosha

HNTB Corporation
Engineers Architects Planners

11414 West Park Place, Ste. 300
Milwaukee, WI 53224-3526
(414) 359-2300
www.hntb.com

Table 1
Remaining VOC Soil Contamination Analytical Results
Kenosha Park and Ride
54th Street and Highway 32 Northwest Corner
Kenosha, Wisconsin

Soil Boring ID/depth (ft-bgs)	Date Collected	DRO (mg/kg)	GRO (mg/kg)	Benzene (µg/kg)	Chloro-methane (µg/kg)	Ethyl-benzene (µg/kg)	n-propyl benzene (µg/kg)	Naph (µg/kg)	Toluene (µg/kg)	Total Xylenes (µg/kg)	1,2-DCA (µg/kg)	1,2,4-TMB	1,3,5-TMB (µg/kg)	p-Isoprop-yltoluene (µg/kg)	1,1-DCA (µg/kg)	sec-Butyl-benzene (µg/kg)	Isopropyl-benzene (µg/kg)
SP-1/4-8	1/28/2004	18.5	97.2	--	--	51.2	202	--	--	--	--	96.5	41.9	--	--	--	--
SP-1/8-12	1/28/2004	17.6	16.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SP-2/0-4	1/28/2004	--	--	--	1680	--	--	--	--	--	--	--	--	--	--	--	--
SP-2/8-12	1/28/2004	--	--	--	401	--	--	--	--	--	--	--	--	--	--	--	--
SP-4/0-4	1/28/2004	--	--	--	--	55.6	31.2	72.7	195	567	--	291	104	--	--	--	--
SP-4/4-8	1/28/2004	--	--	--	--	--	--		--	--	--	33.6	--	--	--	--	--
SP-5/0-4	1/28/2004	--	--	--	--	--	--	34.6	--	--	--		--	--	--	--	--
SP-5/4-8	1/28/2004	--	--	--	--	--	--	48.4	--	--	--		--	--	--	--	--
SP-6/8-12	2/3/2004	--	--	--	--	--	--	--	--	--	--	--	--	1660	--	--	--
SP-7/0-4	2/3/2004	--	--	--	--	--	--	45.1	--	--	--	--	--	--	--	--	--
SP-10/0-4	2/3/2004	--	--	--	141	--	--	--	--	--	--	--	--	--	--	--	--
SP-11/4-8	2/3/2004	99.8	--	**33.6**	33.6	--	--	44.6	145	34.7	--	157	75.8	--	--	--	--
SP-11/8-12	2/3/2004	7.23	10.9	--	--	--	69.3	265	200	192	--	103	78	56.5	43.7	--	--
SP-12/0-4	2/3/2004	36.3	--	--	--	--	--	--	--	31.4	--	--	--	--	--	--	--
GP-1/0-2	5/23/2005	--	5.8	--	--	--	--	--	--	--	--		--	--	--	--	--
GP-4/2-3.5	5/23/2005	--	--	--	--	--	--	--	--	--	--	77	--	--	--	--	--
GP-4/3.5-4.5	5/23/2005	--	240	--	--	330	240	--	--	--	**780**	890	300	69	--	71	71
NR 726 Table 1 values		--	--	8,500	--	4,600	--	2,700	38,000	42,000	600	83,000	11,000	--	--	--	--
NR 726 Table 2 Values		--	--	1,100	--	--	--	--	--	--	540	--	--	--	--	--	--
NR 720 Generic Residual Contaminant Levels		100	100	5.5	--	2,900	--		1,500	4,100	4.9	--	--	--	--	--	--

Notes:

bgs = below round surface

DRO = Diesel range organics

GRO = Gasoline range organics

Naph= Naphthalene

1,2-DCA = 1,2-Dichloroethane

VOC = Volatile organic compounds

Table 2
Summary of RCRA Metal Soil Contamination Analytical Results
Kenosha Park and Ride
54th Street adn Highway 32 Northwest Corner
Kenosha, Wisconsin

Soil Boring ID/depth (ft-bgs)	Date Collected	Mercury (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Lead (mg/kg)
SP-2/0-4	1/28/2004	0.111	**3.74**	34.3	--	10.1	**57.6**
SP-2/8-12	1/28/2004	--	--	447	--	--	--
SP-3/4-8	1/28/2004	--	--	--	--	6.56	9.52
SP-4/0-4	1/28/2004	0.0706	**3.67**	44.5	--	12.5	44.7
SP-4/4-8	1/28/2004	0.068	**13.5**	90.37	--	11.8	**399**
SP-5/0-4	1/28/2004	0.488	--	78	--	7.1	**54.6**
SP-5/4-8	2/3/2004	--	**10.2**	753	--	12.3	25.3
SP-6/0-4	2/3/2004	0.17	**2.88**	40.4	--	5.93	**72.6**
SP-6/8-12	2/3/2004	0.304	--	44.4	--	8.3	34.6
SP-7/0-4	2/3/2004	0.0738	**3.39**	**60.3**	--	11.7	**108**
SP-7/16-20	2/3/2004	--	**3.31**	37.9	--	11.5	5.65
SP-8/0-4	2/3/2004	--	--	--	--	3.9	9.52
SP-8/4-8	2/3/2004	--	**3.81**	40.2	--	13.2	7.4
SP-9/0-4	2/3/2004	0.765	**4.22**	54.4	--	9.9	**69.8**
SP-10/0-4	2/3/2004	--	**4.84**	34	--	11.2	22.7
SP-10/8-12	2/3/2004	0.188	**4.97**	489	--	9.33	46.8
SP-11/4-8	2/3/2004	0.4	**4.5**	154	--	11.6	**305**
SP-11/8-12	2/3/2004	1.64	**4.44**	1,300	0.739	11.9	**51.3**
SP-12/0-4	2/3/2004	0.136	**3.38**	48.7	--	9.3	**115**
GP-1/0-2	5/23/2005	--	--	--	--	--	**76**
GP-1/4-5	5/23/2005	--	--	--	--	--	7.6
GP-2/2-4	5/23/2005	--	--	--	--	--	12
GP-2/4-6	5/23/2005	--	--	--	--	--	13
GP-3/0-2	5/23/2005	--	--	--	--	--	**250**
GP-3/6-8	5/23/2005	--	--	--	--	--	34
GP-4/2-3.5	5/23/2005	--	--	--	--	--	8
GP-4/3.5-4.5	4/23/2005	--	--	--	--	--	5.1
GP-5/1-3	5/23/2005	--	--	--	--	--	47
GP-5/3-4	5/23/2005	--	--	--	--	--	12
GP-4/3.5-4.5	4/23/2005	--	--	--	--	--	5.1
GP-5/1-3	5/23/2005	--	--	--	--	--	47
GP-5/3-4	5/23/2005	--	--	--	--	--	12
GP-6/5-7	5/23/2005	--	--	--	--	--	8.4
GP-6/7-9	5/23/2005	--	--	--	--	--	9.7
GP-7/2-4	5/23/2005	--	--	--	--	--	5.4
GP-7/5-6	5/23/2005	--	--	--	--	--	11
NR 726 Table 1 values		--	--	--	--	--	--
NR 726 Table 2 Values		--	--	--	--	--	--
NR 720 Generic Residual Contaminant Levels		--	0.039	--	8	14	50

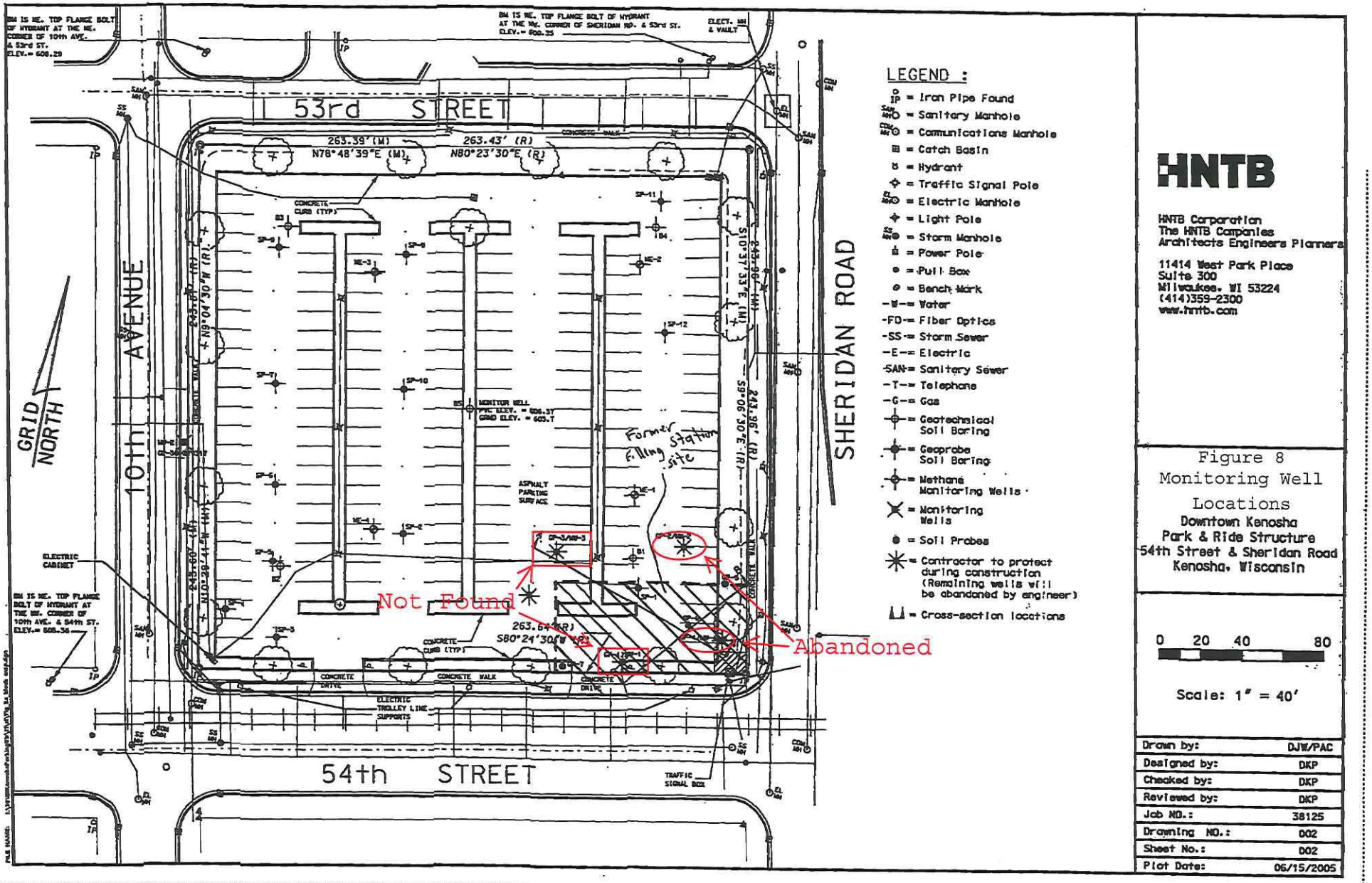
Notes:

bgs = below round surface

mg/kg = milligram per kilogram

Bold = values exceeding NR 720 Generic Residual Contaminante Levels

IMPROPERLY ABANDONED
MONITORING WELL



HNTB
HNTB Corporation
The HNTB Companies
Architects Engineers Planners
11414 West Park Place
Suite 300
Milwaukee, WI 53224
(414)359-2300
www.hntb.com

Figure 8
Monitoring Well Locations
Downtown Kenosha
Park & Ride Structure
54th Street & Sheridan Road
Kenosha, Wisconsin

0 20 40 80

Scale: 1" = 40'

Drawn by:	DJW/PAC
Designed by:	DKP
Checked by:	DKP
Reviewed by:	DKP
Job NO.:	38125
Drawing NO.:	002
Sheet No.:	002
Plot Date:	06/15/2005

IMPROPERLY ABANDONED MONITORING WELL

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

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Downtown Kenosha Park and Ride Structure	Local Grid Location of Well: ____ ft. ☐N. ☐S. ____ ft. ☐E. ☐W.	Well Name: MW-3
Facility License, Permit or Monitoring No.: Not available	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. 42° 35' 11.8" Long. 87° 49' 23.4" or	Wis. Unique Well No.: PH658 / DNR Well Number:
Facility ID: 230113620	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 05/23/2005
Type of Well:	Section Location of Waste/Source: NW 1/4 of SE 1/4 of Sec. 31, T. 6 N, R. 23 ☒E ☐W	Well Installed By: (Person's Name and Firm): Scott Miller / HNTB Corporation
Distance from Waste/Source ____ ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number:

A. Protective pipe, top elevation 604.74 ft. MSL

B. Well casing, top elevation 604.20 ft. MSL

C. Land surface elevation 604.74 ft. MSL

D. Surface seal, bottom 603.7 ft. MSL or 1.0 ft.

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

13. Sieve analysis attached? ☐ Yes ☒ No

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

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

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top 603.7 ft. MSL or 1.0 ft.

F. Fine sand, top 601.7 ft. MSL or 3.0 ft.

G. Filter pack, top 600.7 ft. MSL or 4.0 ft.

H. Screen joint, top 599.7 ft. MSL or 5.0 ft.

I. Well bottom 589.7 ft. MSL or 15.0 ft.

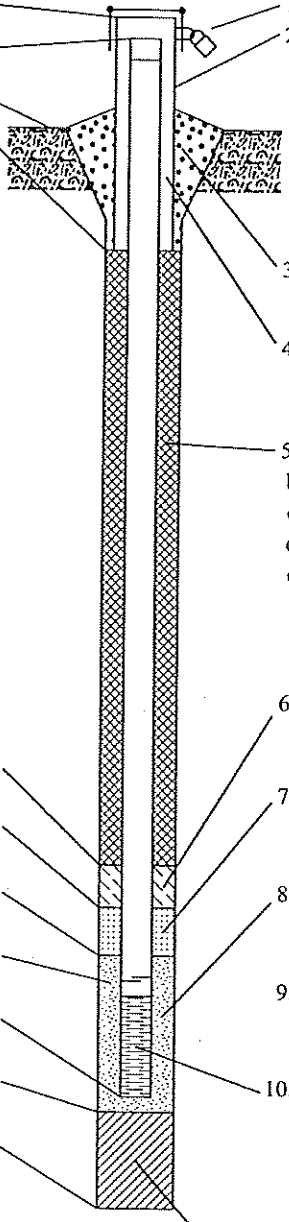
J. Filter pack, bottom 589.7 ft. MSL or 15.0 ft.

K. Borehole, bottom 591.7 ft. MSL or 15.0 ft.

L. Borehole, diameter 8.0 in.

M. O.D. well casing 2.20 in.

N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 12.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 04 / ____ Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____

3. Surface seal: Bentonite ☐ 30 / Concrete ☒ 01 / Flush Mount / Other ☐

4. Material between well casing and protective pipe: Bentonite ☒ 30 / Filter Sand / Other ☐

5. Annular space seal: a. Granular/Chipped 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. ____ Ft^3 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 chips ☐ 32
c. ____ Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. Red Arrow #35-45
b. Volume added ____ ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. Red Arrow #40
b. Volume added ____ ft^3

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

10. Screen material: Sch. 40 PVC
a. Screen Type: Factory cut ☒ 11 / Continuous slot ☐ 01 / ____ Other ☐
b. Manufacturer Environmental mfg.
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.

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

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

Signature: Dan Bolger

Firm: HNTB Corporation, 11414 West Park Place, Suite 300 Milwaukee, WI 53224-3526 Tel: (414) 359-2300 Fax: (414) 359-2315

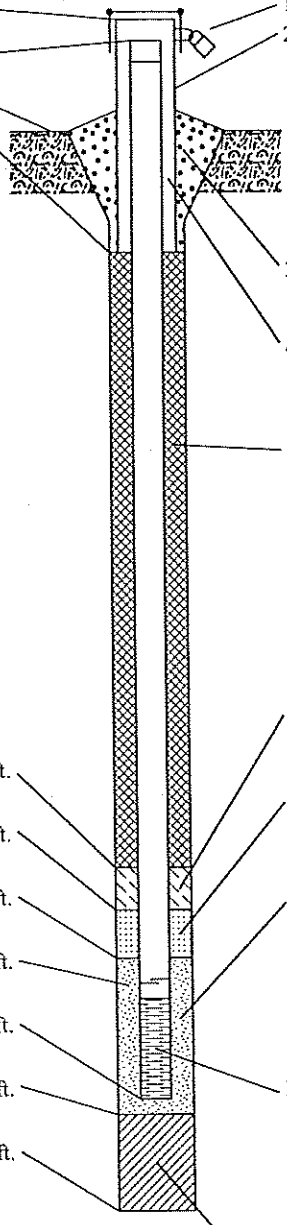
Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, 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

te To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☐ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

ility/Project Name: ɔwntown Kenosha Park and Ride Structure	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW-1
ility License, Permit or Monitoring No.: Not available	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. 42° 35' 11.6" Long. 87° 49' 22.7" or	Wis. Unique Well No.: PH656 / DNR Well Number:
ility ID: 230113620	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 05/23/2005
e of Well:	Section Location of Waste/Source: NW 1/4 of SE 1/4 of Sec. 31, T. 2 N, R. 23 ☒ E ☐ W	Well Installed By: (Person's Name and Firm) Scott Miller, HNTB Corporation
tance from Waste/ rce ____ ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known / Gov. Lot Number:	



Protective pipe, top elevation 606.16 ft. MSL

Well casing, top elevation 605.49 ft. MSL

Land surface elevation 606.16 ft. MSL

Surface seal, bottom 605.2 ft. MSL or 1.0 ft.

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

. Sieve analysis attached? ☐ Yes ☒ No

. Drilling method used: Rotary ☐ 5 0
Hollow Stem Auger ☒ 4 1
____ Other ☐

. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1
Drilling Mud ☐ 0 3 None ☒ 9 9

. Drilling additives used? ☐ Yes ☒ No

Describe ____

. Source of water (attach analysis, if required):

Bentonite seal, top 605.2 ft. MSL or 1.0 ft.

Fine sand, top 604.2 ft. MSL or 2.0 ft.

Filter pack, top 603.7 ft. MSL or 2.5 ft.

Screen joint, top 603.2 ft. MSL or 3.0 ft.

Well bottom 593.2 ft. MSL or 13.0 ft.

Filter pack, bottom 593.2 ft. MSL or 13.0 ft.

Borehole, bottom 594.2 ft. MSL or 13.0 ft.

Borehole, diameter 8.0 in.

O.D. well casing 2.20 in.

I.D. well casing 2.00 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
   a. Inside diameter: 12.0 in.
   b. Length: 1.0 ft.
   c. Material: Steel ☒ 0 4 / Other ☐
   d. Additional protection? ☐ Yes ☒ No
   If yes, describe: ____
3. Surface seal: Bentonite ☐ 3 0 / Concrete ☒ 0 1 / Flush Mount / Other ☐
4. Material between well casing and protective pipe: Bentonite ☒ 3 0 / Filter Sand / Other ☐
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3 3
   b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
   c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
   d. ____ % Bentonite . . . Bentonite-cement grout ☐ 5 0
   e. ____ Ft^3 volume added for any of the above
   f. How installed: Tremie ☐ 0 1 / Tremie pumped ☐ 0 2 / Gravity ☒ 0 8
6. Bentonite seal: a. Bentonite granules ☒ 3 3
   b. ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite chips ☐ 3 2
   c. ____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
   a. Red Arrow #35-45
   b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
   a. Red Arrow #40
   b. Volume added ____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3 / Flush threaded PVC schedule 80 ☐ 2 4 / Other ☐
10. Screen material: Sch. 40 PVC
    a. Screen Type: Factory cut ☒ 1 1 / Continuous slot ☐ 0 1 / Other ☐
    b. Manufacturer Environmental mfg.
    c. Slot size: 0.010 in.
    d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☒ 1 4 / Other ☐

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

gnature: [signature]	Firm: HNTB Corporation, 11414 West Park Place, Suite 300 Milwaukee, WI 53224-3526 — Tel: (414) 359-2300 Fax: (414) 359-2315

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