

GIS REGISTRY

Cover Sheet

March 2010

(RR-5367)

Source Property Information

CLOSURE DATE: Jun 7, 2011

BRRTS #: 02-13-554473
ACTIVITY NAME: Chazen Museum
PROPERTY ADDRESS: 800 University Avenue
MUNICIPALITY: Madison
PARCEL ID #: 070923205011

FID #:

DATCP #:

COMM #:

*WTM COORDINATES:

WTM COORDINATES REPRESENT:

X: 568881 Y: 289234

Approximate Center Of Contaminant Source

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

Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

Contaminated Media:

Groundwater Contamination > ES (236)

Soil Contamination > *RCL or **SSRCL (232)

Contamination in ROW

Contamination in ROW

Off-Source Contamination

Off-Source Contamination

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

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

Land Use Controls:

N/A (Not Applicable)

Cover or Barrier (222)

Soil: maintain industrial zoning (220)

*(note: maintenance plan for
groundwater or direct contact)*

*(note: soil contamination concentrations
between non-industrial and industrial levels)*

Vapor Mitigation (226)

Structural Impediment (224)

Maintain Liability Exemption (230)

Site Specific Condition (228)

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

Monitoring Wells:

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

Yes No N/A

* Residual Contaminant Level

** Site Specific Residual Contaminant Level

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

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

BRRTS #: 02-13-554473 PARCEL ID #: 070923205011
ACTIVITY NAME: Chazen Museum Expansion WTM COORDINATES: X: 568881 Y: 289234

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

- Closure Letter
- Maintenance Plan (if activity is closed with a land use limitation or condition (land use control) under s. 292.12, Wis. Stats.)
- 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

- 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 #: Map-1 Title: University Addition to Madison - Document 109
- 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.

- 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 #: A-2 Title: Site Location Map
- Detailed Site Map:** A map that shows all relevant features (buildings, roads, individual property boundaries, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding a ch. NR 140 Enforcement Standard (ES), and/or in relation to the boundaries of soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Levels (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.
Figure #: A-3 Title: Site Plan
- 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 #: D-1 Title: 2009 Excavation Plan

BRRTS #: 02-13-554473

ACTIVITY NAME: Chazen Museum Expansion

MAPS (continued)

- Geologic Cross-Section Map:** A map showing the source location and vertical extent of residual soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL). If groundwater contamination exceeds a ch. NR 140 Enforcement Standard (ES) when closure is requested, show the source location and vertical extent, water table and piezometric elevations, and locations and elevations of geologic units, bedrock and confining units, if any.

Figure #: **Title:**

Figure #: **Title:**

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

Note: This is intended to show the total area of contaminated groundwater.

Figure #: **Title:**

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

Figure #: **Title:**

Figure #: **Title:**

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

Tables must be no larger than 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 #: C-1, C-2 **Title:** Soil Analytical Results Summary - VOCs, Soil Analytical Results Summary - PAHs

- 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 #: 02-13-554473

ACTIVITY NAME: Chazen Museum Expansion

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
South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg WI 53711-5397

Scott Walker, Governor
Cathy Stepp, Secretary
Lloyd L. Eagan, Regional Director
Telephone 608-275-3266
FAX 608-275-3338
TTY Access via relay - 711



June 7, 2011

Mr. Russ Gilder
Wis. Dept. of Adm.
P.O. Box 7866
Madison, WI 53707

SUBJECT: Final Case Closure with Continuing Obligations
Chazen Museum Expansion, 800 University Avenue, Madison Wisconsin
WDNR BRRTS Activity #: 02-13-554473

Dear Mr. Van Gilder:

On June 7, 2011, the South Central 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.

The Department reviewed the case closure request regarding petroleum 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.

Geographic Information System (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

All site information, including the maintenance plan, is also on file at the South Central Regional DNR office, at 3911 Fish Hatchery Road, Fitchburg, Wisconsin. 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 plan**, are met.

Cover or Barrier

Pursuant to s. 292.12(2)(a), Wis. Stats., the **pavement** that currently exists in the location shown on the attached map shall be maintained in compliance with **the attached maintenance plan** in order to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health.

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

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

Prohibited Activities

The following activities are prohibited on any portion of the property where pavement 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.

Post-Closure Notification Requirements

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

- Disturbance, construction on, change or removal in whole or part of pavement, an engineered cover or a soil barrier that must be maintained over contaminated soil

Please send written notifications in accordance with the above requirements to the South Central Regional RR Program Office, 3911 Fish Hatchery Road, Fitchburg, WI 53711.

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

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

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Jim Walden at 608-267-7572.

Sincerely,



Linda Hanefeld, Team Supervisor
South Central Remediation & Redevelopment Program

Attachments

Cap Maintenance Plan
RR819

cc: Eric Oelkers – BT2 (w/o attachments)

PAVEMENT COVER MAINTENANCE PLAN Chazen Museum Expansion

800 University Avenue
Madison, Wisconsin

May 2011

Prepared For:

Wisconsin Department of Administration
P.O. Box 7866
Madison, Wisconsin 53707

Prepared By:

BT SQUARED, Inc.
2830 Dairy Drive
Madison, Wisconsin 53718

BT SQUARED Project #3874

TABLE OF CONTENTS

1.0 INTRODUCTION.....	1
2.0 COVER AND BUILDING BARRIER PURPOSE	1
3.0 ANNUAL INSPECTION.....	1
4.0 MAINTENANCE ACTIVITIES.....	2
5.0 AMENDMENT OR WITHDRAWAL OF MAINTENANCE PLAN	2
5.1 Contact Information.....	3

TABLES

- C-1 Soil Analytical Results Summary – VOCs
- C-2 Soil Analytical Results Summary – PAHs

FIGURE

- G-1 Cap Maintenance Area

APPENDICES

- A Property Information and Certified Survey Map
- B Cap Photo Documentation
- C Barrier Inspection Log

I:\3874\Reports\Closure 2010\Pavement Cover Main Plan.doc

1.0 INTRODUCTION

Property Location: 800 University Avenue
Madison, Wisconsin

FID #: None

WDNR BRRTS/Activity #: 02-13-554473

Legal Description: University addition to Madison, all of Block 4 including vacated Irving Place and vacated Sterling Court (see **Appendix A**).

Parcel #: 070923205011

This document is the Maintenance Plan for a pavement cover at the above-referenced property in accordance with the requirements of s. NR 724.13(2), Wis. Adm. Code. The maintenance activities relate to the existing paved surfaces occupying the area over the impacted soil on site. The contaminated soil is impacted by lead, polynuclear aromatic hydrocarbons, and petroleum compounds. **Tables C-1 and C-2** summarize soil analytical results. The location of the paved surface to be maintained in accordance with this Maintenance Plan, as well as the impacted soil, are identified on the attached map (**Figure G-1**).

2.0 COVER AND BUILDING BARRIER PURPOSE

The paved surface and 2 feet of clean fill over the contaminated soil will serve as a barrier to prevent direct human contact with residual soil contamination that might otherwise pose a threat to human health. In addition, the paved surface will also act as a partial infiltration barrier to minimize the possibility of future soil-to-groundwater contamination migration. Based on the current and future use of the property, the barrier should function as intended unless disturbed.

3.0 ANNUAL INSPECTION

The paved surface overlying the soil, and as depicted on **Figure G-1**, will be inspected once a year, normally in the spring after all snow and ice are gone, for deterioration, cracks, and other potential

problems that can cause exposure to and/or surface water infiltration into underlying soils. The inspections will be performed to evaluate damage due to settling, exposure to the weather, wear from traffic, 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, and is included in **Appendix C**, Barrier Inspection Log. The log will include recommendations for necessary repair of any areas where underlying soils are exposed or where a depression in the pavement shows severe cracking. Once repairs are completed, they will be documented in the inspection log. A copy of the inspection log will be sent to the Wisconsin Department of Natural Resources (WDNR) at least annually after every inspection, unless otherwise directed in the case closure letter. Photographs of the paved surface are also included in **Appendix B**.

4.0 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 operations or they can include 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. 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. Any replacement barrier will be subject to the same maintenance and inspection guidelines as outlined in this Pavement Cover Maintenance Plan unless indicated otherwise by the WDNR or its successor.

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

5.0 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 the WDNR.

5.1 Contact Information

March 2011

Site Owner and Operator: Mr. Russ Van Gilder
Wisconsin Department of Administration
Division of State Facilities
PO Box 7833
Madison, WI 53707
Phone: 608.266.1412

Consultant: BT Squared, Inc.
2830 Dairy Drive
Madison, WI 53718
Phone: 608.224.2830

WDNR: Jim Walden
Wisconsin Department of Natural Resources
PO Box 7921
Madison, WI 53711
Phone: 608.267.7572

TABLES

- C-1 Soil Analytical Results Summary – VOCs
- C-2 Soil Analytical Results Summary – PAHs

Table C-1
Soil Analytical Results Summary - VOCs
Chazen Museum Expansion / BT Squared Project #3874
 (Results are in µg/kg, except where noted otherwise)

Sample	Date	Depth (feet)	PID (ppm)	Lab Notes	DRO (mg/kg)	GRO (mg/kg)	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naphthalene	Lead (mg/kg)	Other VOCs
2009 Excavation																
GS-01	8/17/2009	2.5	75	-	4,900	610 QU	<280	<280	<280	<850	3,700	1,600	<280	7,300	67	NA
B1	11/13/2009	6.5	0	(1)	<5.3	NA	<31	<31	<31	<110	<31	<31	<31	<62	6.9	ND
NWSW	11/13/2009	4	0	(1)	<6.2	NA	<30	<30	75	<100	<30	<30	<30	<60	600	ND
SSW	11/13/2009	4	0	(1)	<5.8	NA	<31	<31	<31	<110	<31	<31	<31	<62	27	ND
MeOH Blank	11/13/2009	--	--	--	NA	NA	<25	<25	<25	<85	<25	<25	<25	<50	NA	ND
2010 Excavation																
Base	10/25/2010	3.5	0	--	19 QU	NA	<30	<30	<30	<90	<30	<30	<30	<60	NA	NA
North SW	10/25/2010	2.5	0	--	<5.4	NA	<30	<30	<30	<91	<30	<30	<30	<61	NA	NA
West SW	10/25/2010	2	0	--	24 QU	NA	<30	<30	<30	<89	<30	<30	<30	<59	NA	NA
Truck Sample (Excavated)	10/25/2010	2	117	(2)	6,100	NA	<120	<120	200	1,900	<120	3,200	<120	<240	NA	NA
MeOH Blank	10/25/2010	--	--	--	NA	NA	<25	<25	<25	<75	<25	<25	<25	<50	NA	NA
NR 720 Residual Contaminant Level (RCL)					100	100	5.5	2,900	1,500	4,100	NE	NE	NE	NE	50	
NR 746 Table 1					NE	NE	8,500	4,600	38,000	42,000	83,000	11,000	NE	2,700	NE	1,2-Dichloroethane 600
NR 746 Table 2					NE	NE	1,100	NE	NE	NE	NE	NE	NE	NE	NE	1,2-Dichloroethane 540

ABBREVIATIONS:

µg/kg = micrograms per kilogram or parts per billion (ppb)
 PID = Photo-Ionization Detector
 TMB = Trimethylbenzene
 NE = Not Established
 -- = Not Applicable

mg/kg = milligrams per kilogram or parts per million (ppm)
 DRO = Diesel Range Organics
 MTBE = Methyl-tert-butyl ether
 NA = Not Analyzed

ppm = PID measured in ppm as isobutylene
 GRO = Gasoline Range Organics
 VOCs = Volatile Organic Compounds
 ND = Not Detected

NOTES:

Bold+underlined values exceed NR 720 RCLs.

NR 720 RCL - Wisconsin Administrative Code (WAC), Chapter NR 720 Residual Contaminant Level.

NR 746 Table 1 - WAC, Chapter NR 746.06(2)(b) Table 1 - Indicators of Residual Petroleum Product in Soil Pores.

NR 746 Table 2 - WAC, Chapter NR 746.06(2)(b) Table 2 - Protection of Human Health from Direct Contact with Contaminated Soil.

LABORATORY NOTES/QUALIFIERS:

QU = Unquantitated hydrocarbons present in the sample outside of the reported carbon range.

(1) Carbon tetrachloride analysis - Calibration Verification recovery was outside the method control limits for this analyte. The LCS for this analyte met CCV acceptance criteria, and was used to validate the batch.

(2) VOCs analysis - Reporting limit raised due to sample matrix effects.

Created by: EO Date: 8/21/2009
 Last revision by: TLR Date: 3/1/2011
 Checked by: RRJ Date: 3/1/2011

I:\3874\Tables-General\Table C-1_Soil_VOCs.xls\Soil VOCs

Table C-2
Soil Analytical Results Summary - PAHs
Chazen Museum Expansion / BT Squared Project #3874
(Results are in µg/kg, except where noted otherwise)

Sample	Date	Depth (feet)	Lab Notes	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Benzo(ghi)perylene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
GS-01	8/17/2009	2.5	--	1,200	<480	4,900	3,100	1,300	700	1,100	530	1,400	150	46,000	8,100	560	36,000	69,000	7,500	22,000	10,000
B1	11/13/2009	6.5	--	<62	<110	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<9.3	<12	<12	<6.2	<37	<37	<37	<6.2	<6.2
NWSW	11/13/2009	4	--	<90	<150	48	230	280	79	240	280	69	45	370	<18	280	<54	250	110	300	670
SSW	11/13/2009	4	--	<62	<110	24	44	65	20	60	56	70	<9.3	120	<12	46	<37	96	<37	110	170
Non-Industrial Direct Contact SSRCL ¹				NE	NE	NE	880	880	8,800	88	NE	88,000	88	NE	NE	880	NE	NE	NE	NE	NE
WDNR PAH Soil Generic Residual Contaminant Levels (RCLs) (Interim Guidance - April 1997)																					
Groundwater Pathway				38,000	700	3,000,000	17,000	360,000	870,000	48,000	6,800,000	37,000	38,000	500,000	100,000	680,000	23,000	20,000	400	1,800	8,700,000
Non-Industrial Direct Contact				900,000	18,000	5,000,000	88	88	880	8.8	1,800	8,800	8.8	600,000	600,000	88	1,100,000	600,000	20,000	18,000	500,000
Industrial Direct Contact				60,000,000	360,000	300,000,000	3,900	3,900	39,000	390	39,000	390,000	390	40,000,000	40,000,000	3,900	70,000,000	40,000,000	110,000	390,000	30,000,000

ABBREVIATIONS:

µg/kg = micrograms per kilogram or parts per billion (ppb)
PAHs = Polynuclear Aromatic Hydrocarbons

-- = Not Applicable
WDNR = Wisconsin Department of Natural Resources

NOTES:

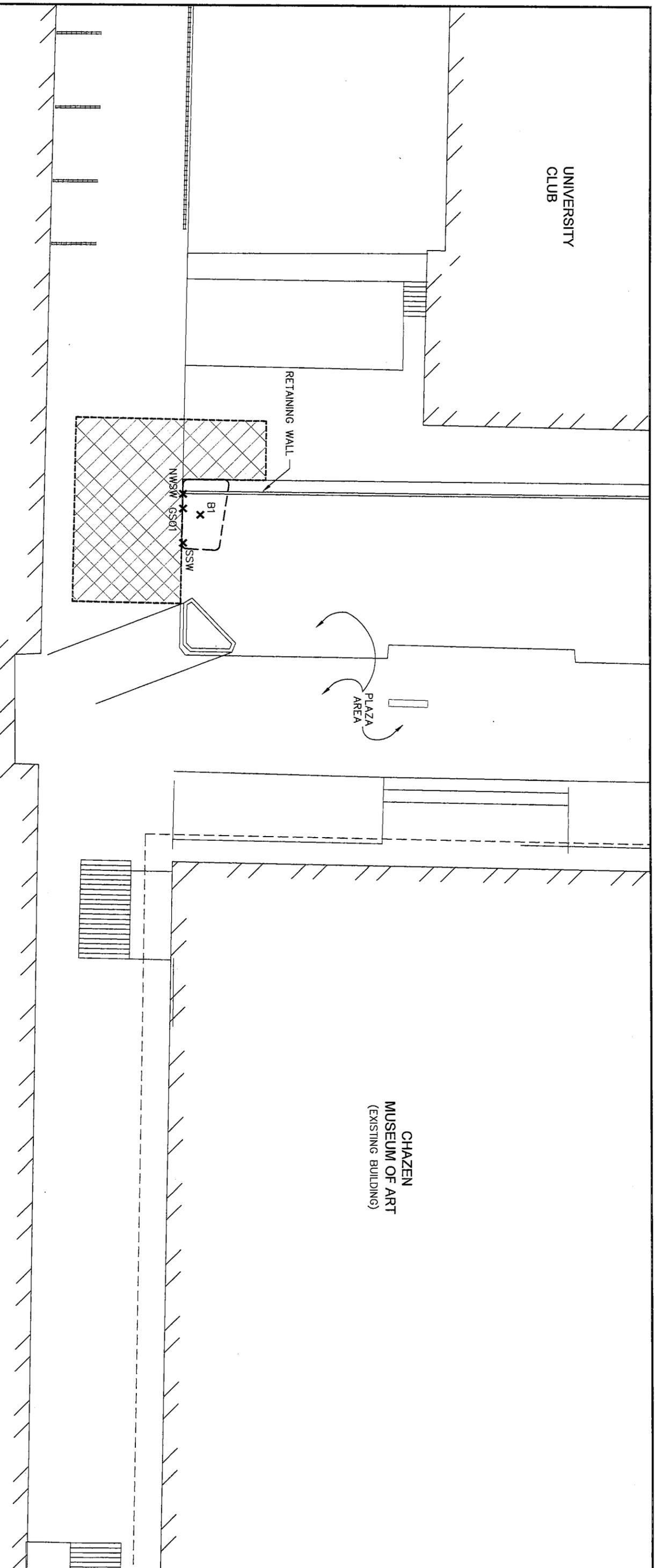
Bold+underlined values exceed generic non-industrial direct contact RCLs for non-carcinogens and site-specific RCLs for carcinogens, or groundwater pathway RCLs.
¹Non-Industrial Direct Contact SSRCLs are calculated using an individual cancer risk of 1×10^{-6} for carcinogens with cumulative cancer risk not to exceed 1×10^{-5} per NR 720.

LABORATORY NOTES/QUALIFIERS:

None

Created by: EO Date: 8/21/2009
Last revision by: LMH Date: 12/4/2009
Checked by: EO Date: 12/7/2009

I:\3874\Tables-General\Table C-2_Soil_PAHs.xls\Soil PAHs



NOTE:
1. SITE PLAN BASED ON DRAWING PROVIDED BY FINDORFF.

LEGEND

- LIMITS OF EXCAVATION
- X EXCAVATION SOIL SAMPLE
- [Hatched Box] CAP MAINTENANCE AREA



PROJECT NO.	3874	DRAWN BY:	KP	ENGINEER	 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830	CLIENT	WISCONSIN DEPARTMENT OF ADMINISTRATION DIVISION OF STATE FACILITIES P.O. BOX 7866 MADISON, WI 53707-7866	SITE	CHAZEN MUSEUM 800 UNIVERSITY AVENUE MADISON, WISCONSIN	FIGURE	G-1
DRAWN:	12/21/09	CHECKED BY:	EO								
REVISED:	02/28/11	APPROVED BY:									

PROPERTY SEARCH RESULTS: PROPERTY DETAILS

OWNER(S)

UNIV OF WIS REGENTS
 VAN HISE HALL # 1860
 1220 LINDEN DR
 MADISON, WI 53706-1525

PROPERTY ADDRESS: 800 University Ave
Parcel Number: 070923205011
 Information current as of 9/24/10 11:00PM

PROPERTY VALUE

Assessment Year	Land	Improvements	Total
2009	\$0	\$0	\$0
2010	\$0	\$0	\$0

RELATED DETAILS

- [Pay Taxes Online](#)
- [Sales for this Area](#)
- **Refuse Collection**
 - District: 07A
 - [Schedule](#)

2009 TAX INFORMATION

[2009 Tax Details](#) [Pay Property Taxes](#)

Net Taxes:	\$0.00
Special Assessment:	\$0.00
Other:	\$0.00
Total:	\$0.00

SCHOOL DETAILS

- District: [Madison](#)
- Franklin-Randall
 - Hamilton
 - West

PROPERTY INFORMATION

Property Use:	Commercial exempt	Property Class:	Commercial
Zoning:	R6	Lot Size:	191,738 sq ft
Frontage:	363 - University Ave	Water Frontage:	NO
TIF District:	0	Assessment Area:	9936

CITY HALL

Aldermanic District: 8
 Ald. Bryon Eagon

- [Who are my elected officials?](#)
- [Where do I vote?](#)

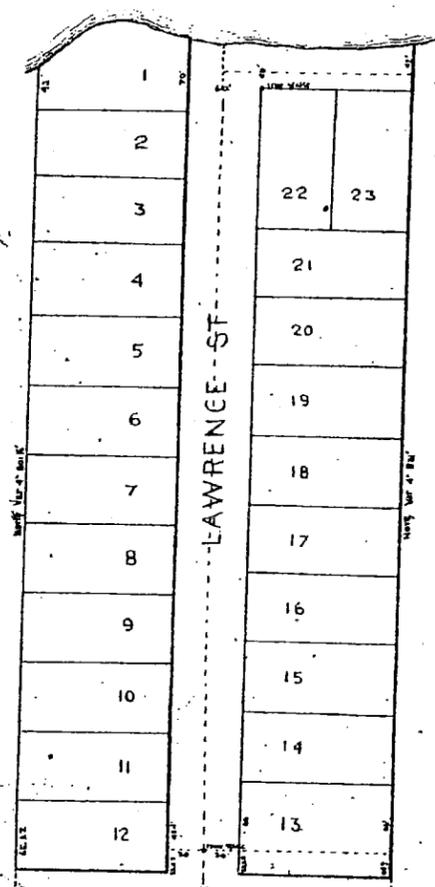
No Building record is available online for this parcel. Please [contact the Assessor's Office](#) for additional information.

179949A

Monona



LAKE MONONA



SCALE 60 FEET TO AN INCH

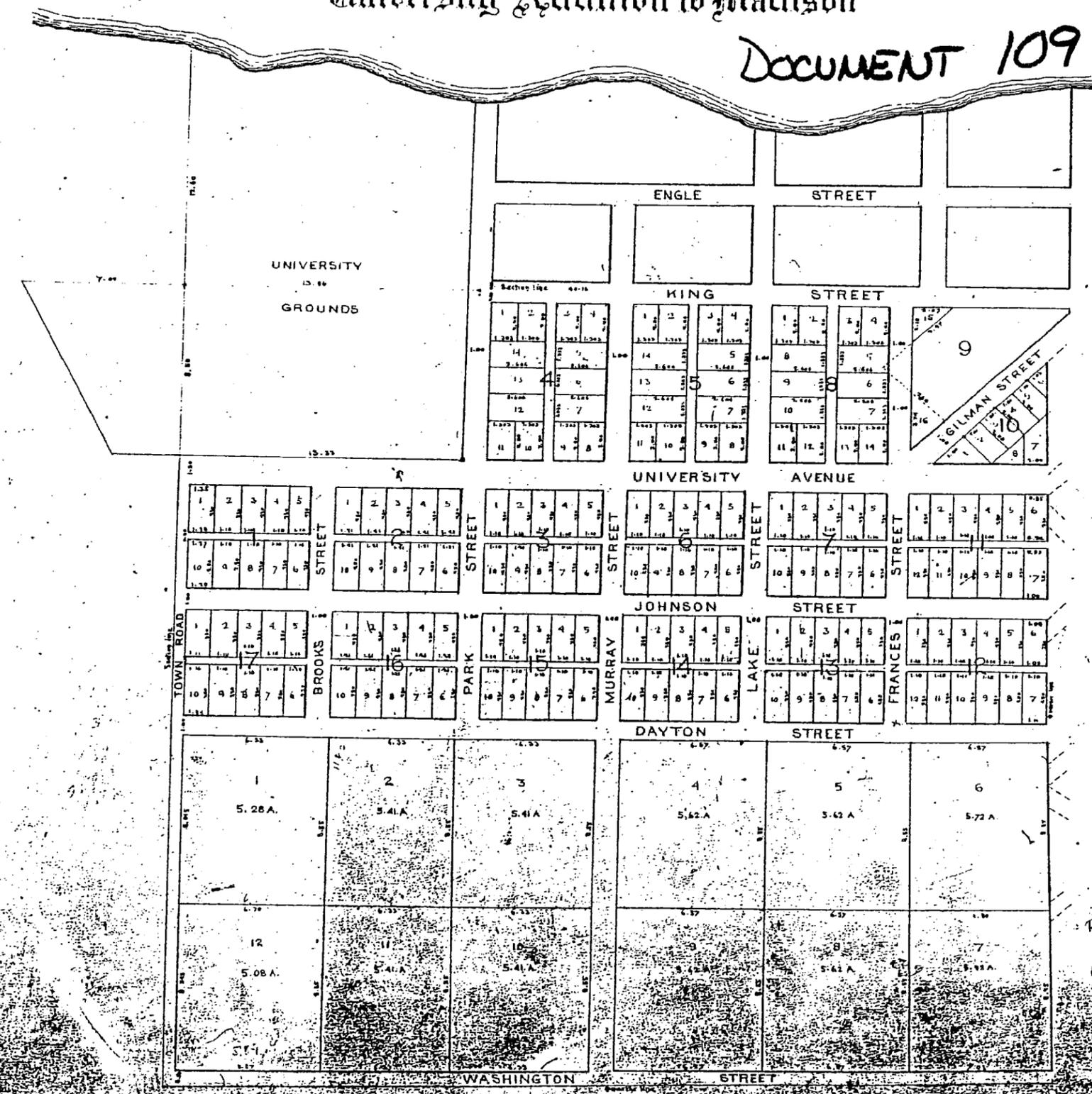
State of Wisconsin, I hereby certify that the accompanying plat is a correct representation of a survey and subdivision of a part of lot 1, Section 26, T.7 N. R.3 E. D.20 Co., D.20 Co., Wisconsin, as shown on the plat of the University Addition to Madison, Wisconsin, filed for record in the office of the Register of Deeds of Dane County, Wisconsin, on the 24th day of September, A.D. 1899, and that the same is in accordance with the provisions of Chapter 10, Laws of Wisconsin, 1898, and that the same is in accordance with the provisions of Chapter 10, Laws of Wisconsin, 1898, and that the same is in accordance with the provisions of Chapter 10, Laws of Wisconsin, 1898.

Personally appeared before me this 24th day of September, A.D. 1899, George S. Lawrence, Clerk of the Court of Dane County, Wisconsin, who acknowledged the above certificate to be his free and lawful deed.

Notary Public
Dane Co. Wis.
G. F. Rowell
Register

University Addition to Madison

DOCUMENT 109



I hereby certify that the above plat is a correct representation of a survey and subdivision of a part of the University Addition to Madison, Wisconsin, as shown on the plat of the University Addition to Madison, Wisconsin, filed for record in the office of the Register of Deeds of Dane County, Wisconsin, on the 24th day of September, A.D. 1899, and that the same is in accordance with the provisions of Chapter 10, Laws of Wisconsin, 1898, and that the same is in accordance with the provisions of Chapter 10, Laws of Wisconsin, 1898.

Notary Public
Dane Co. Wis.
F. B. Deary Jr.
Notary Public Wis.
Recorded August 28, 1900 at 3 o'clock P.M.
G. T. Lopez, Register
Depl. Publ. Johnny Deput

Resolution
Filed 1-4-02
1040280
Lis Pendens
Filed 9-13-15
1078024
Cookin Pld



**WISCONSIN DEPARTMENT OF
ADMINISTRATION**

SCOTT WALKER
GOVERNOR

MIKE HUEBSCH
SECRETARY

Division of State Facilities
Post Office Box 7866
Madison, WI 53707-7866
Voice (608) 266-2731
Fax (608) 267-2710
TTY (608) 267-9629

April 12, 2011

To: Wisconsin Department of Natural Resources

Subject: Statement that all Legal Descriptions for Properties within the Contaminated Site Boundaries have been Included
Chazen Museum Addition, DSF Project No. 06f1z
800 University Avenue, Madison, Wisconsin
WDNR BRRTS I.D. #02-134-554473
BT Squared Project #3874

To Whom it May Concern:

To the best of my knowledge, I believe that with the submittal of the attached property information the legal description for each property within, or partially within that contaminated site boundary has been included with the closure request. The contaminated property consists of Dane County tax parcel #070923205011, which includes all Block 4 of the University Addition to the City of Madison.

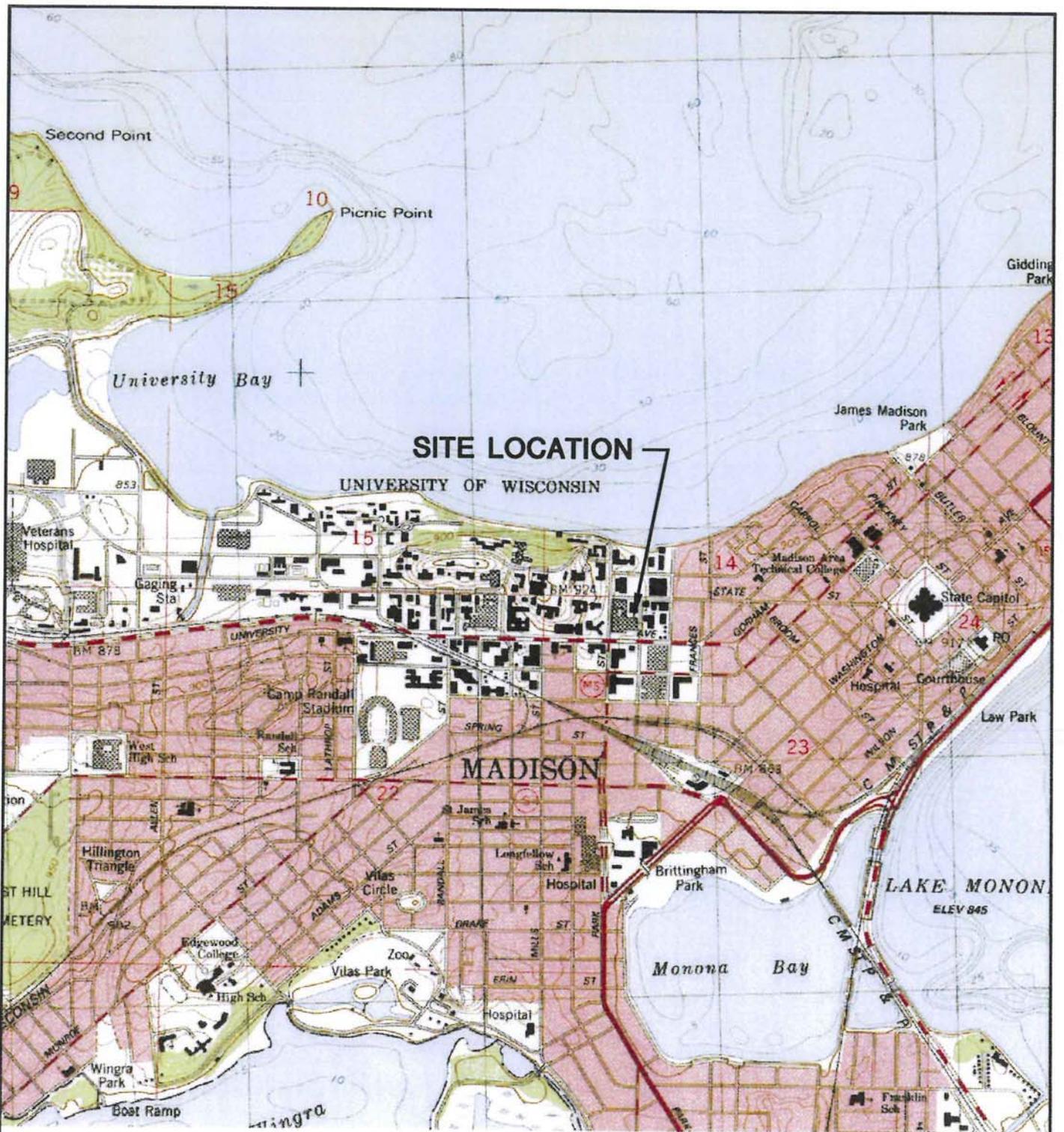
The attached property information includes:

- Original Plat Map: University addition to Madison – all of Block 4 including vacated Irving Place and vacated Sterling Court.

Per the Dane County Register of Deeds, no other documents are available for this property. If you need additional information please contact me at 608.266.1412.

Sincerely,

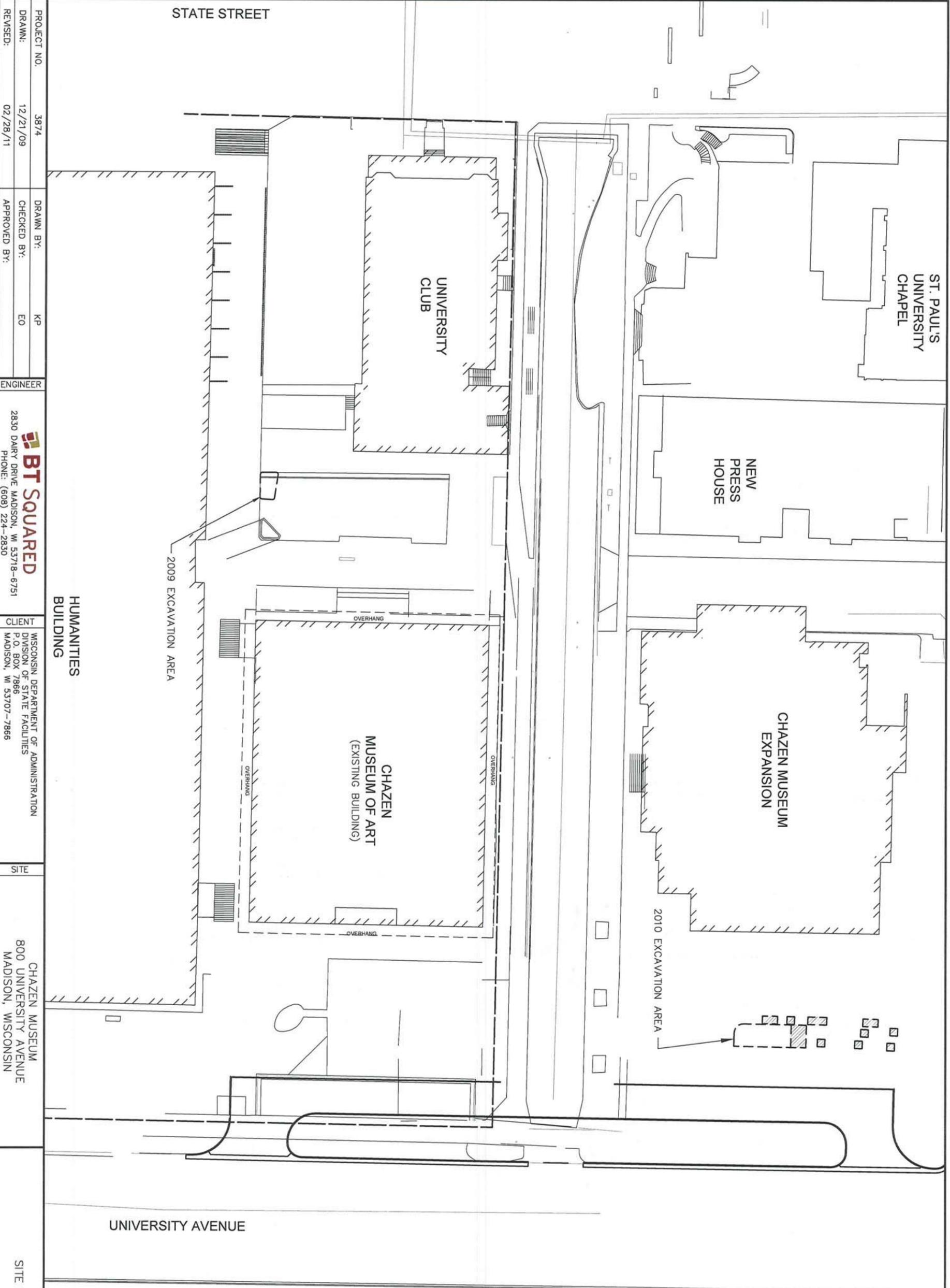
Russ Van Gilder, Project Manager
Wisconsin Department of Administration
Division of State Facilities



MADISON WEST QUADRANGLE
 WISCONSIN-DANE CO.
 7.5 MINUTE SERIES (TOPOGRAPHIC)
 SW/4 MADISON 15' QUADRANGLE
 1983
 SCALE: 1" = 2,000'



CLIENT	WISCONSIN DEPARTMENT OF ADMINISTRATION DIVISION OF STATE FACILITIES P.O. BOX 7866 MADISON, WI 53707-7866		SITE	CHAZEN MUSEUM 800 UNIVERSITY AVENUE MADISON, WISCONSIN		ENGINEER	BT SQUARED 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830	
	PROJECT NO. 3874			DRAWN BY: KP			FIGURE	
DRAWN: 12/21/09		CHECKED BY: EO		APPROVED BY:		FIGURE		
REVISED: 05/17/10		APPROVED BY:				A-2		



PROJECT NO.	3874	DRAWN BY:	KP	ENGINEER	 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830	CLIENT	WISCONSIN DEPARTMENT OF ADMINISTRATION DIVISION OF STATE FACILITIES P.O. BOX 7866 MADISON, WI 53707-7866	SITE	CHAZEN MUSEUM 800 UNIVERSITY AVENUE MADISON, WISCONSIN	FIGURE	A-3
DRAWN:	12/21/09	CHECKED BY:	EO								
REVISED:	02/28/11	APPROVED BY:									

LEGEND

--- LIMITS OF EXCAVATION

▨ TEST PIT

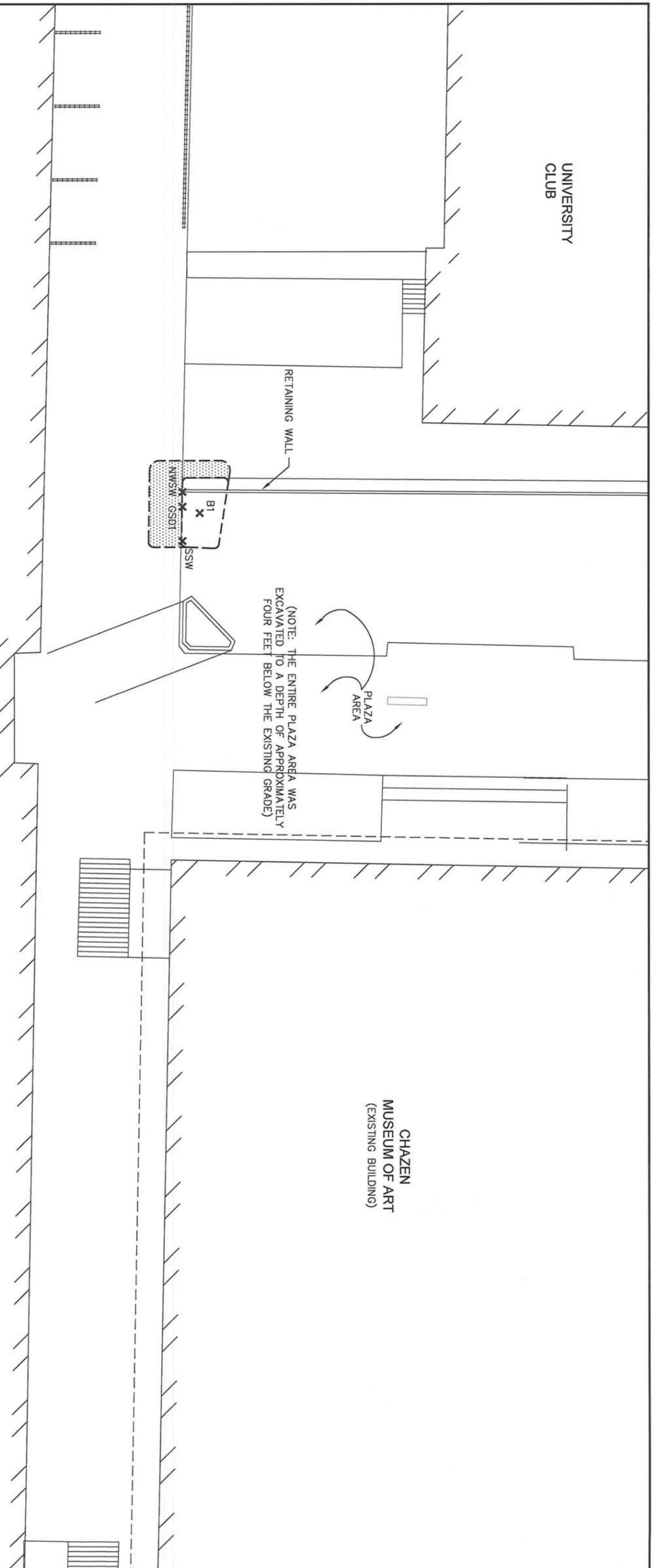
NOTE:

1. SITE PLAN BASED ON DRAWING PROVIDED BY FINDORFF.

N

50 0 50

SCALE: 1" = 50'



NOTE:
1. SITE PLAN BASED ON DRAWING PROVIDED BY FINDORFF.

LEGEND
 - - - - - LIMITS OF 2009 EXCAVATION
 X EXCAVATION SOIL SAMPLE
 [Hatched Box] ESTIMATED EXTENT OF IMPACTED SOIL



PROJECT NO.	3874	DRAWN BY:	KP	ENGINEER	 BT SQUARED 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830	CLIENT	WISCONSIN DEPARTMENT OF ADMINISTRATION DIVISION OF STATE FACILITIES P.O. BOX 7866 MADISON, WI 53707-7866	SITE	CHAZEN MUSEUM 800 UNIVERSITY AVENUE MADISON, WISCONSIN	FIGURE	D-1
DRAWN:	12/21/09	CHECKED BY:	EO						2009 EXCAVATION AREA		
REVISED:	02/28/11	APPROVED BY:									

Table C-1
Soil Analytical Results Summary - VOCs
Chazen Museum Expansion / BT Squared Project #3874
 (Results are in µg/kg, except where noted otherwise)

Sample	Date	Depth (feet)	PID (ppm)	Lab Notes	DRO (mg/kg)	GRO (mg/kg)	Benzene	Ethyl-benzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naphthalene	Lead (mg/kg)	Other VOCs
2009 Excavation																
GS-01	8/17/2009	2.5	75	--	4,900	610 QU	<280	<280	<280	<850	3,700	1,600	<280	7,300	67	NA
B1	11/13/2009	6.5	0	(1)	<5.3	NA	<31	<31	<31	<110	<31	<31	<31	<62	6.9	ND
NWSW	11/13/2009	4	0	(1)	<6.2	NA	<30	<30	75	<100	<30	<30	<30	<60	600	ND
SSW	11/13/2009	4	0	(1)	<5.8	NA	<31	<31	<31	<110	<31	<31	<31	<62	27	ND
MeOH Blank	11/13/2009	--	--	--	NA	NA	<25	<25	<25	<85	<25	<25	<25	<50	NA	ND
2010 Excavation																
Base	10/25/2010	3.5	0	--	19 QU	NA	<30	<30	<30	<90	<30	<30	<30	<60	NA	NA
North SW	10/25/2010	2.5	0	--	<5.4	NA	<30	<30	<30	<91	<30	<30	<30	<61	NA	NA
West SW	10/25/2010	2	0	--	24 QU	NA	<30	<30	<30	<89	<30	<30	<30	<59	NA	NA
Truck Sample (Excavated)	10/25/2010	2	117	(2)	6,100	NA	<120	<120	200	1,900	<120	3,200	<120	<240	NA	NA
MeOH Blank	10/25/2010	--	--	--	NA	NA	<25	<25	<25	<75	<25	<25	<25	<50	NA	NA
NR 720 Residual Contaminant Level (RCL)					100	100	5.5	2,900	1,500	4,100	NE	NE	NE	NE	50	
NR 746 Table 1					NE	NE	8,500	4,600	38,000	42,000	83,000	11,000	NE	2,700	NE	1,2-Dichloroethane 600
NR 746 Table 2					NE	NE	1,100	NE	NE	NE	NE	NE	NE	NE	NE	1,2-Dichloroethane 540

ABBREVIATIONS:

µg/kg = micrograms per kilogram or parts per billion (ppb)
 PID = Photo-Ionization Detector
 TMB = Trimethylbenzene
 NE = Not Established
 -- = Not Applicable

mg/kg - milligrams per kilogram or parts per million (ppm)
 DRO = Diesel Range Organics
 MTBE = Methyl-tert-butyl ether
 NA = Not Analyzed

ppm = PID measured in ppm as isobutylene
 GRO = Gasoline Range Organics
 VOCs = Volatile Organic Compounds
 ND = Not Detected

NOTES:

Bold+underlined values exceed NR 720 RCLs.
 NR 720 RCL - Wisconsin Administrative Code (WAC), Chapter NR 720 Residual Contaminant Level.
 NR 746 Table 1 - WAC, Chapter NR 746.06(2)(b) Table 1 - Indicators of Residual Petroleum Product in Soil Pores.
 NR 746 Table 2 - WAC, Chapter NR 746.06(2)(b) Table 2 - Protection of Human Health from Direct Contact with Contaminated Soil.

LABORATORY NOTES/QUALIFIERS:

QU = Unquantitated hydrocarbons present in the sample outside of the reported carbon range.
 (1) Carbon tetrachloride analysis - Calibration Verification recovery was outside the method control limits for this analyte. The LCS for this analyte met CCV acceptance criteria, and was used to validate the batch.
 (2) VOCs analysis - Reporting limit raised due to sample matrix effects.

Created by: EO Date: 8/21/2009
 Last revision by: TLR Date: 3/1/2011
 Checked by: RRJ Date: 3/1/2011

I:\3874\Tables-General\Table C-1_Soil_VOCs.xls\Soil VOCs

Table C-2
Soil Analytical Results Summary - PAHs
Chazen Museum Expansion / BT Squared Project #3874
(Results are in µg/kg, except where noted otherwise)

Sample	Date	Depth (feet)	Lab Notes	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Benzo(ghi)perylene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
GS-01	8/17/2009	2.5	--	1,200	<480	4,900	3,100	1,300	700	1,100	530	1,400	150	46,000	8,100	560	36,000	69,000	7,500	22,000	10,000
B1	11/13/2009	6.5	--	<62	<110	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<9.3	<12	<12	<6.2	<37	<37	<37	<6.2	<6.2
NWSW	11/13/2009	4	--	<90	<150	48	230	280	79	240	280	69	45	370	<18	280	<54	250	110	300	670
SSW	11/13/2009	4	--	<62	<110	24	44	65	20	60	56	70	<9.3	120	<12	46	<37	96	<37	110	170
Non-Industrial Direct Contact SSRCL ¹				NE	NE	NE	880	880	8,800	88	NE	88,000	88	NE	NE	880	NE	NE	NE	NE	NE
WDNR PAH Soil Generic Residual Contaminant Levels (RCLs) (Interim Guidance - April 1997)																					
Groundwater Pathway				38,000	700	3,000,000	17,000	360,000	870,000	48,000	6,800,000	37,000	38,000	500,000	100,000	680,000	23,000	20,000	400	1,800	8,700,000
Non-Industrial Direct Contact				900,000	18,000	5,000,000	88	88	880	8.8	1,800	8,800	8.8	600,000	600,000	88	1,100,000	600,000	20,000	18,000	500,000
Industrial Direct Contact				60,000,000	360,000	300,000,000	3,900	3,900	39,000	390	39,000	390,000	390	40,000,000	40,000,000	3,900	70,000,000	40,000,000	110,000	390,000	30,000,000

ABBREVIATIONS:

µg/kg = micrograms per kilogram or parts per billion (ppb)
PAHs = Polynuclear Aromatic Hydrocarbons

-- = Not Applicable
WDNR = Wisconsin Department of Natural Resources

NOTES:

Bold+underlined values exceed generic non-industrial direct contact RCLs for non-carcinogens and site-specific RCLs for carcinogens, or groundwater pathway RCLs.

¹Non-Industrial Direct Contact SSRCLs are calculated using an individual cancer risk of 1 x 10⁻⁶ for carcinogens with cumulative cancer risk not to exceed 1 x 10⁻⁵ per NR 720.

LABORATORY NOTES/QUALIFIERS:

None

Created by: EO Date: 8/21/2009
Last revision by: LMH Date: 12/4/2009
Checked by: EO Date: 12/7/2009

I:\3874\Tables-General\[Table C-2_Soil_PAHs.xls]Soil PAHs