

November 17, 2021
File No. 25221209.00

Ms. Cindy Koepke
Wisconsin Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg, WI 53711

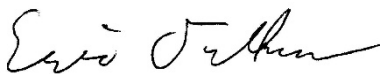
Subject: Material Management Plan and Post-Closure Modification Request
Classic Cleaners, 3918 Monona Drive, Madison
BRRTS #02-13-368525

Dear Ms. Koepke:

SCS Engineers (SCS) is submitting the following Materials Management Plan (MMP) and Post Closure Modification Request for the redevelopment of a property (the Property) including the former Classic Cleaners site at 3900-3920 Monona Drive, Madison, Wisconsin. On behalf of Threshold Development, SCS requests the Wisconsin Department of Natural Resources (WDNR) provide written approval of this MMP and the proposed redevelopment of the site as required in the Classic Cleaners case closure letter from WDNR dated May 24, 2021.

The MMP presents proposed strategies for managing contaminated soil, groundwater, and vapor during the redevelopment of the Property. Enclosed with this plan are a technical assistance request form (4400-237) for review of this plan and approval of associated post-closure modifications. Payment for the required fees totaling \$1,700 will be sent under separate cover.

Sincerely,



Eric Oelkers, PG
Senior Project Manager
SCS Engineers



Mark R. Huber, PE
Project Director
SCS Engineers

EO/REO/REL/MRH

cc: Tyler Krupp, Threshold Development

Encl. Technical Assistance Request Form
Materials Management Plan and Post Closure Modification Request

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Notice: Use this form to request a **written response (on agency letterhead)** from the Department of Natural Resources (DNR) regarding technical assistance, a post-closure change to a site, a specialized agreement or liability clarification for Property with known or suspected environmental contamination. A fee will be required as is authorized by s. 292.55, Wis. Stats., and NR 749, Wis. Adm. Code., unless noted in the instructions below. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Public Records law [ss. 19.31 - 19.39, Wis. Stats.].

Definitions

"Property" refers to the subject Property that is perceived to have been or has been impacted by the discharge of hazardous substances.

"Liability Clarification" refers to a written determination by the Department provided in response to a request made on this form. The response clarifies whether a person is or may become liable for the environmental contamination of a Property, as provided in s. 292.55, Wis. Stats.

"Technical Assistance" refers to the Department's assistance or comments on the planning and implementation of an environmental investigation or environmental cleanup on a Property in response to a request made on this form as provided in s. 292.55, Wis. Stats.

"Post-closure modification" refers to changes to Property boundaries and/or continuing obligations for Properties or sites that received closure letters for which continuing obligations have been applied or where contamination remains. Many, but not all, of these sites are included on the GIS Registry layer of RR Sites Map to provide public notice of residual contamination and continuing obligations.

Select the Correct Form

This form should be used to request the following from the DNR:

- Technical Assistance
- Liability Clarification
- Post-Closure Modifications
- Specialized Agreements (tax cancellation, negotiated agreements, etc.)

Do not use this form if one of the following applies:

- Request for an **off-site liability exemption or clarification** for Property that has been or is perceived to be contaminated by one or more hazardous substances that originated on another Property containing the source of the contamination. Use DNR's Off-Site Liability Exemption and Liability Clarification Application Form 4400-201.
- Submittal of an Environmental Assessment for the **Lender Liability Exemption**, s 292.21, Wis. Stats., **if no response or review by DNR is requested**. Use the Lender Liability Exemption Environmental Assessment Tracking Form 4400-196.
- Request for an **exemption to develop on a historic fill site** or licensed landfill. Use DNR's Form 4400-226 or 4400-226A.
- **Request for closure** for Property where the investigation and cleanup actions are completed. Use DNR's Case Closure - GIS Registry Form 4400-202.

All forms, publications and additional information are available on the internet at: dnr.wi.gov/topic/Brownfields/Pubs.html.

Instructions

1. Complete sections 1, 2, 6 and 7 for all requests. Be sure to provide adequate and complete information.
2. Select the type of assistance requested: Section 3 for technical assistance or post-closure modifications, Section 4 for a written determination or clarification of environmental liabilities; or Section 5 for a specialized agreement.
3. Include the fee payment that is listed in Section 3, 4, or 5, unless you are a "Voluntary Party" enrolled in the Voluntary Party Liability Exemption Program **and** the questions in Section 2 direct otherwise. Information on to whom and where to send the fee is found in Section 8 of this form.
4. Send the completed request, supporting materials and the fee to the appropriate DNR regional office where the Property is located. See the map on the last page of this form. A paper copy of the signed form and all reports and supporting materials shall be sent with an electronic copy of the form and supporting materials on a compact disk. For electronic document submittal requirements see: <http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf>

The time required for DNR's determination varies depending on the complexity of the site, and the clarity and completeness of the request and supporting documentation.

Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request

Form 4400-237 (R 10/21)

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Section 1. Contact and Recipient Information

Requester Information

This is the person requesting technical assistance or a post-closure modification review, that his or her liability be clarified or a specialized agreement and is identified as the requester in Section 7. DNR will address its response letter to this person.

Last Name Krupp	First Tyler	MI	Organization/ Business Name Threshold Development Group
Mailing Address 1954 Atwood Avenue		City Madison	State WI
		ZIP Code 53704	
Phone # (include area code) (415) 260-0113	Fax # (include area code)	Email tyler@thresholddevelopmentgroup.com	

The requester listed above: (select all that apply)

- Is currently the owner
 Is considering selling the Property
 Is renting or leasing the Property
 Is considering acquiring the Property
 Is a lender with a mortgagee interest in the Property
 Other. Explain the status of the Property with respect to the applicant:

Contact Information (to be contacted with questions about this request)

Select if same as requester

Contact Last Name Krupp	First Tyler	MI	Organization/ Business Name Threshold Development Group
Mailing Address 1954 Atwood Avenue		City Madison	State WI
		ZIP Code 53704	
Phone # (include area code) (415) 260-0113	Fax # (include area code)	Email tyler@thresholddevelopmentgroup.com	

Environmental Consultant (if applicable)

Contact Last Name Oelkers	First Eric	MI	Organization/ Business Name SCS Engineers
Mailing Address 2830 Dairy Drive		City Madison	State WI
		ZIP Code 53718	
Phone # (include area code) (608) 216-7341	Fax # (include area code) (605) 224-2839	Email eoelkers@scsengineers.com	

Property Owner (if different from requester)

Contact Last Name Dolphin	First Ronda	MI	Organization/ Business Name Estate of Ralph Stinson
Mailing Address 214 Chateau Drive		City Cottage Grove	State WI
		ZIP Code 53527	
Phone # (include area code) (608) 712-8810	Fax # (include area code)	Email ronda@midwestlabor.com	

Section 2. Property Information

Property Name Classic Cleaners	FID No. (if known) 113147980
BRRTS No. (if known) 02-13-368525	Parcel Identification Number 071009303026, 071009303018, 071009303133

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Street Address 3918 Monona Drive		City Madison	State WI	ZIP Code 53704
County Dane	Municipality where the Property is located <input checked="" type="radio"/> City <input type="radio"/> Town <input type="radio"/> Village of Madison	Property is composed of: <input type="radio"/> Single tax parcel <input checked="" type="radio"/> Multiple tax parcels	Property Size Acres 0.9	

1. Is a response needed by a specific date? (e.g., Property closing date) Note: Most requests are completed within 60 days. Please plan accordingly.

No Yes

Date requested by: 11/30/2021

Reason: WEDC Grant Application

2. Is the "Requester" enrolled as a Voluntary Party in the Voluntary Party Liability Exemption (VPLE) program?

No. **Include the fee that is required for your request in Section 3, 4 or 5.**

Yes. **Do not include a separate fee.** This request will be billed separately through the VPLE Program.

Fill out the information in Section 3, 4 or 5 which corresponds with the type of request:

Section 3. Technical Assistance or Post-Closure Modifications;

Section 4. Liability Clarification; or Section 5. Specialized Agreement.

Section 3. Request for Technical Assistance or Post-Closure Modification

Select the type of technical assistance requested: [Numbers in brackets are for WI DNR Use]

- No Further Action Letter (NFA) (Immediate Actions) - NR 708.09, [183] - Include a fee of \$350. Use for a written response to an immediate action after a discharge of a hazardous substance occurs. Generally, these are for a one-time spill event.
- Review of Site Investigation Work Plan - NR 716.09, [135] - **Include a fee of \$700.**
- Review of Site Investigation Report - NR 716.15, [137] - **Include a fee of \$1050.**
- Approval of a Site-Specific Soil Cleanup Standard - NR 720.10 or 12, [67] - **Include a fee of \$1050.**
- Review of a Remedial Action Options Report - NR 722.13, [143] - **Include a fee of \$1050.**
- Review of a Remedial Action Design Report - NR 724.09, [148] - **Include a fee of \$1050.**
- Review of a Remedial Action Documentation Report - NR 724.15, [152] - **Include a fee of \$350**
- Review of a Long-term Monitoring Plan - NR 724.17, [25] - **Include a fee of \$425.**
- Review of an Operation and Maintenance Plan - NR 724.13, [192] - **Include a fee of \$425.**

Other Technical Assistance - s. 292.55, Wis. Stats. [97] (For request to build on an abandoned landfill use Form 4400-226)

- Schedule a Technical Assistance Meeting - **Include a fee of \$700.**
- Hazardous Waste Determination - **Include a fee of \$700.**
- Other Technical Assistance - **Include a fee of \$700.** Explain your request in an attachment.

Post-Closure Modifications - NR 727, [181]

- Post-Closure Modifications: Modification to Property boundaries and/or continuing obligations of a closed site or Property; sites may be on the GIS Registry. This also includes removal of a site or Property from the GIS Registry. **Include a fee of \$1050, and:**
 - Include a fee of \$300 for sites with residual soil contamination; and
 - Include a fee of \$350 for sites with residual groundwater contamination, monitoring wells or for vapor intrusion continuing obligations.

Attach a description of the changes you are proposing, and documentation as to why the changes are needed (if the change to a Property, site or continuing obligation will result in revised maps, maintenance plans or photographs, those documents may be submitted later in the approval process, on a case-by-case basis).

Section 4. Request for Liability Clarification

Select the type of liability clarification requested. Use the available space given or attach information, explanations, or specific questions that you need answered in DNR's reply. Complete Sections 6 and 7 of this form. [Numbers in brackets are for DNR Use]

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"Lender" liability exemption clarification - s. 292.21, Wis. Stats. [686]

❖ **Include a fee of \$700.**

Provide the following documentation:

- (1) ownership status of the real Property, and/or the personal Property and fixtures;
- (2) an environmental assessment, in accordance with s. 292.21, Wis. Stats.;
- (3) the date the environmental assessment was conducted by the lender;
- (4) the date of the Property acquisition; for foreclosure actions, include a copy of the signed and dated court order confirming the sheriff's sale.
- (5) documentation showing how the Property was acquired and the steps followed under the appropriate state statutes.
- (6) a copy of the Property deed with the correct legal description; and,
- (7) the Lender Liability Exemption Environmental Assessment Tracking Form (Form 4400-196).
- (8) If no sampling was done, please provide reasoning as to why it was **not** conducted. Include this either in the accompanying environmental assessment or as an attachment to this form, and cite language in s. 292. 21(1)(c)2.,h.-i., Wis. Stats.:
 - h. The collection and analysis of representative samples of soil or other materials in the ground that are suspected of being contaminated based on observations made during a visual inspection of the real Property or based on aerial photographs, or other information available to the lender, including stained or discolored soil or other materials in the ground and including soil or materials in the ground in areas with dead or distressed vegetation. The collection and analysis shall identify contaminants in the soil or other materials in the ground and shall quantify concentrations.
 - i. The collection and analysis of representative samples of unknown wastes or potentially hazardous substances found on the real Property and the determination of concentrations of hazardous waste and hazardous substances found in tanks, drums or other containers or in piles or lagoons on the real Property.

"Representative" liability exemption clarification (e.g. trustees, receivers, etc.) - s. 292.21, Wis. Stats. [686]

❖ **Include a fee of \$700.**

Provide the following documentation:

- (1) ownership status of the Property;
- (2) the date of Property acquisition by the representative;
- (3) the means by which the Property was acquired;
- (4) documentation that the representative has no beneficial interest in any entity that owns, possesses, or controls the Property;
- (5) documentation that the representative has not caused any discharge of a hazardous substance on the Property; and
- (6) a copy of the Property deed with the correct legal description.

Clarification of local governmental unit (LGU) liability exemption at sites with: (select all that apply)

- hazardous substances spills - s. 292.11(9)(e), Wis. Stats. [649];
- Perceived environmental contamination - [649];
- hazardous waste - s. 292.24 (2), Wis. Stats. [649]; and/or
- solid waste - s. 292.23 (2), Wis. Stats. [649].

❖ **Include a fee of \$700, a summary of the environmental liability clarification being requested, and the following:**

- (1) clear supporting documentation showing the acquisition method used, and the steps followed under the appropriate state statute(s).
- (2) current and proposed ownership status of the Property;
- (3) date and means by which the Property was acquired by the LGU, where applicable;
- (4) a map and the ¼, ¼ section location of the Property;
- (5) summary of current uses of the Property;
- (6) intended or potential use(s) of the Property;
- (7) descriptions of other investigations that have taken place on the Property; and
- (8) (for solid waste clarifications) a summary of the license history of the facility.

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Section 4. Request for Liability Clarification (cont.)

- Lease liability clarification - s. 292.55, Wis. Stats. [646]
- ❖ **Include a fee of \$700 for a single Property, or \$1400 for multiple Properties and the information listed below:**
- (1) a copy of the proposed lease;
 - (2) the name of the current owner of the Property and the person who will lease the Property;
 - (3) a description of the lease holder's association with any persons who have possession, control, or caused a discharge of a hazardous substance on the Property;
 - (4) map(s) showing the Property location and any suspected or known sources of contamination detected on the Property;
 - (5) a description of the intended use of the Property by the lease holder, with reference to the maps to indicate which areas will be used. Explain how the use will not interfere with any future investigation or cleanup at the Property; and
 - (6) all reports or investigations (e.g. Phase I and Phase II Environmental Assessments and/or Site Investigation Reports conducted under s. NR 716, Wis. Adm. Code) that identify areas of the Property where a discharge has occurred.

General or other environmental liability clarification - s. 292.55, Wis. Stats. [682] - Explain your request below.

- ❖ **Include a fee of \$700 and an adequate summary of relevant environmental work to date.**

- No Action Required (NAR) - NR 716.05, [682]

- ❖ **Include a fee of \$700.**

Use where an environmental discharge has or has not occurred, and applicant wants a DNR determination that no further assessment or clean-up work is required. Usually this is requested after a Phase I and Phase II environmental assessment has been conducted; the assessment reports should be submitted with this form. This is not a closure letter.

- Clarify the liability associated with a "closed" Property - s. 292.55, Wis. Stats. [682]

- ❖ **Include a fee of \$700.**

- Include a copy of any closure documents if a state agency other than DNR approved the closure.

Use this space or attach additional sheets to provide necessary information, explanations or specific questions to be answered by the DNR.

Section 5. Request for a Specialized Agreement

Select the type of agreement needed. Include the appropriate draft agreements and supporting materials. Complete Sections 6 and 7 of this form. More information and model draft agreements are available at: dnr.wi.gov/topic/Brownfields/Igu.html#tabx4.

- Tax cancellation agreement - s. 75.105(2)(d), Wis. Stats. [654]

- ❖ **Include a fee of \$700, and the information listed below:**

- (1) Phase I and II Environmental Site Assessment Reports,
- (2) a copy of the Property deed with the correct legal description.

- Agreement for assignment of tax foreclosure judgement - s.75.106, Wis. Stats. [666]

- ❖ **Include a fee of \$700, and the information listed below:**

- (1) Phase I and II Environmental Site Assessment Reports,
- (2) a copy of the Property deed with the correct legal description.

- Negotiated agreement - Enforceable contract for non-emergency remediation - s. 292.11(7)(d) and (e), Wis. Stats. [630]

- ❖ **Include a fee of \$1400, and the information listed below:**

- (1) a draft schedule for remediation; and,
- (2) the name, mailing address, phone and email for each party to the agreement.

Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request

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Section 6. Other Information Submitted

Identify all materials that are included with this request.

Send both a paper copy of the signed form and all reports and supporting materials, and an electronic copy of the form and all reports, including Environmental Site Assessment Reports, and supporting materials on a compact disk.

Include one copy of any document from any state agency files that you want the Department to review as part of this request. The person submitting this request is responsible for contacting other state agencies to obtain appropriate reports or information.

Phase I Environmental Site Assessment Report - Date: 10/06/2021

Phase II Environmental Site Assessment Report - Date: 06/24/2020

Legal Description of Property (required for all liability requests and specialized agreements)

Map of the Property (required for all liability requests and specialized agreements)

Analytical results of the following sampled media: Select all that apply and include date of collection.

Groundwater Soil Sediment Other medium - Describe: _____

Date of Collection: _____

A copy of the closure letter and submittal materials

Draft tax cancellation agreement

Draft agreement for assignment of tax foreclosure judgment

Other report(s) or information - Describe: _____

For Property with newly identified discharges of hazardous substances only: Has a notification of a discharge of a hazardous substance been sent to the DNR as required by s. NR 706.05(1)(b), Wis. Adm. Code?

Yes - Date (if known): 10/03/2002

No

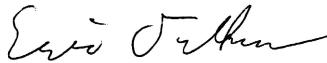
Note: The Notification for Hazardous Substance Discharge Form - Non-Emergency Only (Form 4400-225) is accessible through the RR Program Submittal Portal application. Directions for using the form and the Submittal Portal application are available on the [Submittal Portal web page](#).

Section 7. Certification by the Person who completed this form

I am the person submitting this request (requester)

I prepared this request for: Tyler Krupp
Requester Name

I certify that I am familiar with the information submitted on this request, and that the information on and included with this request is true, accurate and complete to the best of my knowledge. I also certify I have the legal authority and the applicant's permission to make this request.



Signature

11/17/21

Date Signed

Senior Project Manager

Title

(608) 216-7341

Telephone Number (include area code)

Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request

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Section 8. DNR Contacts and Addresses for Request Submittals

Send or deliver one paper copy and one electronic copy on a compact disk of the completed request, supporting materials, and fee to the region where the property is located to the address below. Contact a [DNR regional brownfields specialist](#) with any questions about this form or a specific situation involving a contaminated property. For electronic document submittal requirements see: <http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf>.

DNR NORTHERN REGION

Attn: RR Program Assistant
Department of Natural Resources
223 E Steinfest Rd Antigo, WI 54409

DNR NORTHEAST REGION

Attn: RR Program Assistant
Department of Natural Resources
2984 Shawano Avenue
Green Bay WI 54313

DNR SOUTH CENTRAL REGION

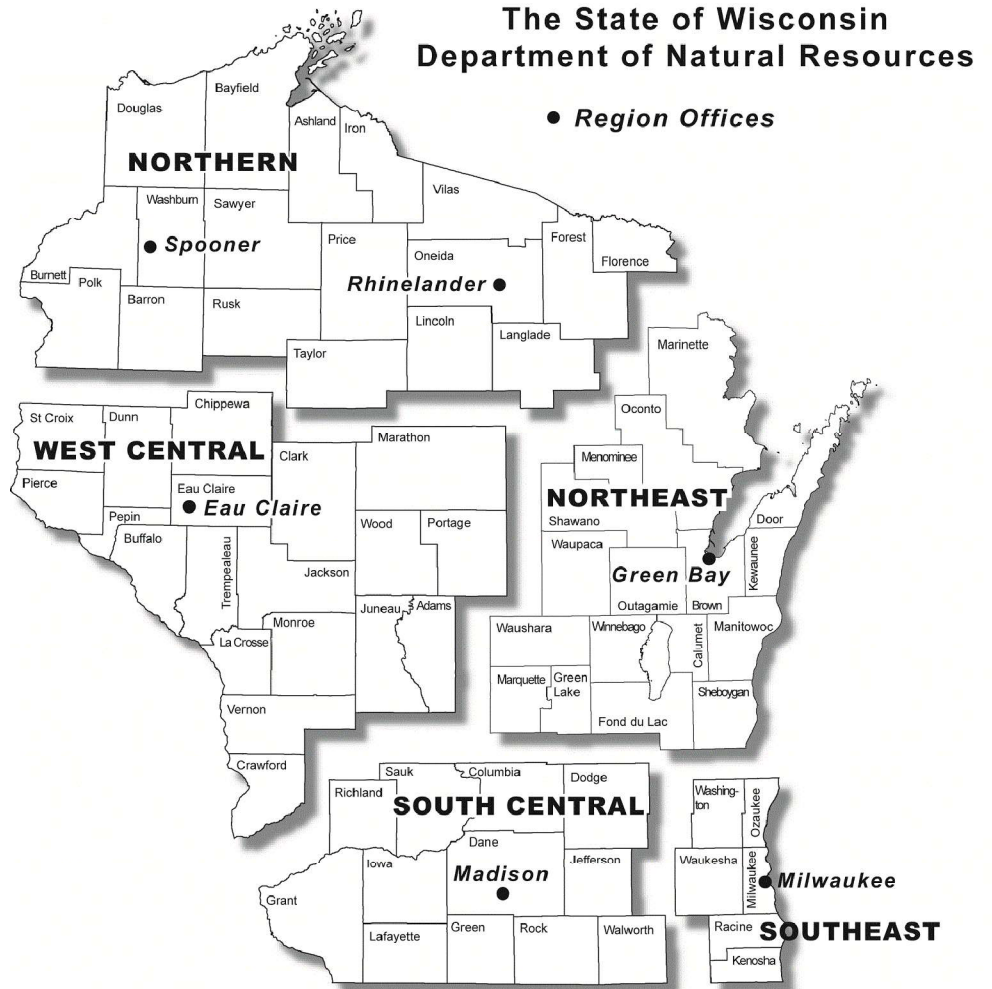
Attn: RR Program Assistant
Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg WI 53711

DNR SOUTHEAST REGION

Attn: RR Program Assistant
Milwaukee DNR Office
1027 West St. Paul Ave
Milwaukee WI 53233

DNR WEST CENTRAL REGION

Attn: RR Program Assistant
Department of Natural Resources
1300 Clairemont Ave.
Eau Claire WI 54702



Note: These are the Remediation and Redevelopment Program's designated regions. Other DNR program regional boundaries may be different.

DNR Use Only			
Date Received	Date Assigned	BRRTS Activity Code	BRRTS No. (if used)
DNR Reviewer		Comments	
Fee Enclosed? <input type="radio"/> Yes <input type="radio"/> No	Fee Amount \$	Date Additional Information Requested	Date Requested for DNR Response Letter
Date Approved	Final Determination		

Materials Management Plan and Post Closure Modification Request

Former Classic Cleaners
3918 Monona Drive
Madison, Wisconsin 53716
BRRTS #02-13-368525

Prepared for:

Threshold Development Group
1954 Atwood Avenue
Madison, Wisconsin 53704
415-260-0113

SCS ENGINEERS

25221209.00 | November 17, 2021

2830 Dairy Drive
Madison, WI 53718-6751
608-224-2830

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EXECUTIVE SUMMARY

This Materials Management Plan (MMP) and Post Closure Modification Request describes how contaminated materials will be managed and how continuing environmental obligations will be addressed during the redevelopment of property located at the southeast corner of Monona Drive and Cottage Grove Road in Madison, Wisconsin. The proposed redevelopment consists of a five-story mixed use commercial/residential building with an underground parking level that extends across much of the property. Former occupants of the property included a gas station and a dry cleaner. Petroleum contamination from the gas station has been largely if not entirely remediated to non-detectable levels. Concentrations of the dry-cleaning solvent tetrachlorethylene (PCE or “perc”) greater than environmental cleanup standards remain in place on the property. The proposed redevelopment will substantially reduce the contaminant mass in the soil and reduce potential vapor hazards for future users of the property.

The dry cleaner case file associated with the Property (Bureau of Remediation and Redevelopment Tracking System [BRRTS] #03-13-000414) was closed in May 2021 with continuing obligations. The continuing obligations for the source property (3916, 3918 and 3920 Monona Drive) include:

1. Residual soil contamination,
2. Residual groundwater contamination,
3. Cover/barrier for direct contact and groundwater pathways,
4. Structural impediment,
5. Vapor mitigation required,
6. Commercial/industrial use assumption,
7. Future vapor intrusion risk.

The redevelopment of the property will include removal of the majority of PCE contaminant mass in the soil via excavation for the level of underground parking that will extend across much of the property.

The risk of vapor migration into new residential spaces will be minimized by the proposed redevelopment plan. Removal of the top 10 or more feet of soil from the site will greatly reduce the mass and concentration of PCE available for volatilization and migration into the new building. The presence of a full level of underground parking below grade will provide separation between building residential and commercial spaces and residual soil and groundwater contamination that may remain below the building. The underground parking will include mechanical venting to remove vehicle exhaust from the space. The mechanical venting will also remove potential PCE vapors that migrate through the floor of the underground parking structure. In addition to contaminant mass removal, physical separation, and mechanical venting; sub slab vapor mitigation measures will be incorporated into the new building to minimize the potential for vapor intrusion.

Upon completion of redevelopment activities, SCS Engineers (SCS) will provide to the Wisconsin Department of Natural Resources (WDNR) a written report of site activities, soil contamination remaining, documentation of materials disposal, an updated cap maintenance plan and an updated vapor mitigation plan for the new building.

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1.0 INTRODUCTION

This MMP and Post Closure Modification Request describes how contaminated materials will be managed and how continuing environmental obligations will be addressed during the redevelopment of property located at the southeast corner of Monona Drive and Cottage Grove Road in Madison, Wisconsin. The proposed redevelopment consists of a five-story mixed use commercial/residential building with an underground parking level that extends across much of the property. Former occupants of the property included a gas station and a dry cleaner. Petroleum contamination from the gas station has been largely if not entirely remediated to non-detectable levels. Concentrations of the dry-cleaning solvent PCE greater than environmental cleanup standards remain in place on the property. The proposed redevelopment will substantially reduce the contaminant mass in the soil and reduce potential vapor hazards for future users of the property.

2.0 BACKGROUND

The property is located in a residential and commercial area on the east side of Madison, Wisconsin, near the east end of Lake Monona, at the corner of Monona Drive and Cottage Grove Road (see **Figure 1**). The project property includes three parcels of land located at 3900 Monona Drive, 109 Cottage Grove Road, and 3920 Monona Drive in Madison, Wisconsin, hereafter referred to as the Property (**Figure 2**). Krupp-Grove Family Limited Partnership owns and manages the 3900 Monona Drive and 109 Cottage Grove Road parcels. The estate of Ralph Stinson owns the 3916-3920 Monona Drive parcel.

2.1 CURRENT AND HISTORICAL LAND USE

The 3900 Monona Drive parcel was developed by 1949, and land use at the time of this initial development is unknown. The parcel was redeveloped in the mid-1950s. Starting in approximately 1960, the parcel was used for automotive service and maintenance and retail fuel sales through approximately 1992 followed by a muffler shop that operated at the parcel through December 2020. The 3900 Monona Drive parcel has been unoccupied since December 2020.

The 109 Cottage Grove Road parcel was developed by 1935, and land use at the time of this initial development is unknown. The parcel was redeveloped by 1955 with the current building. A bar and barbershop were both operating on the parcel by 1960. The barbershop operated at the parcel from approximately 1960 through 2006, and the bar operated on the parcel from approximately 1960 through the spring of 2020. The 109 Cottage Grove Road Property parcel has been unoccupied since spring 2020.

The 3920 Monona Drive parcel was developed by 1949, and land use at the time of this initial development is unknown. The parcel was redeveloped in approximately 1955 with two buildings. The parcel has three addresses associated with it, 3916, 3918, and 3920 Monona Drive. A dry cleaner operated at the 3918 Monona Drive address from approximately 1960 through approximately 2005. In 2005, Java Cat Coffee House and Café started at 3918 Monona Drive and remains in operation at this address. A candy store, eye doctor, tailor, florist, salon, and art studio operated at the 3916 Monona Drive address at various times from approximately 1960 to 2020. Restaurants, liquor store, insurance company, surveying and mapping company, florist, a Christian Fellowship, salon, and tattoo shop operated at the 3920 Monona Drive address. The 3916 and 3920 Monona Drive buildings are currently unoccupied.

2.2 SUMMARY OF ENVIRONMENTAL CONDITIONS

Phase 1 Environmental Site Assessments identified the following recognized environmental conditions (RECs) in connection with the Property:

1. The historic use of the 3900 Monona Drive parcel for automobile service and maintenance and retail fuel sales for approximately 60 years.
2. The presence of residual petroleum soil and groundwater contamination at the 3900 Monona Drive parcel.
3. The historic use of dry-cleaning operations and the presence of residual chlorinated solvent soil and groundwater contamination and vapor intrusion at the 3920 Monona Drive parcel.

Soil and groundwater contamination associated with the operation of the gas station were largely, if not entirely remediated as documented in the file for BRRTS case #03-13-000237. Additional sampling at the service station parcel during a Phase 2 Environmental Site Assessment (ESA) by Ivertech in 2020 did not find evidence of petroleum contamination in soil or groundwater greater than applicable cleanup standards. The hydraulic lifts and floor drain in the service garage remain in place and will be evaluated for potential discharges at the time of their removal; however, based on sampling performed to date it is unlikely that releases from either the lifts or floor drain have resulted in extensive contamination.

The WDNR case file for the Classic Cleaners site at 3918 Monona Drive, BRRTS #02-13-368525 was closed in May 2021 with residual dry-cleaning solvent (tetrachloroethylene) contamination remaining in place. PCE contamination in soil exceeds residual contaminant levels (RCLs) for direct contact on the source parcel and exceeds RCLs for groundwater protection on the source parcel and portions of the adjoining parcels to the north and south, as well as the Davidson Street right-of-way. Groundwater contamination by PCE exceeds NR 140 enforcement standards (and preventive action limits) on the source parcel and properties to the east and south as far as Lake Monona. Vapor mitigation systems were installed at 3916/3918 Monona Drive, 4001, and 4002 Monona Drive to address potential public health threats posed by vapor intrusion into occupied structures. Ongoing operation of the vapor mitigation systems by the respective property owners is required by the WDNR to prevent the human health risks posed by migration of PCE vapors.

The extents of residual soil and groundwater contamination at the time of the dry cleaner case closure are shown on **Figures 3 and 4**.

3.0 REDEVELOPMENT PLAN

The proposed development by Threshold Development Group is a five-story mixed use building prominently located at the corner of Monona Drive and Cottage Grove Road. The first floor will include 6500 square feet of commercial space to be occupied by an established credit union and a neighborhood coffee shop. Floors two through five will include seventy-six apartment units, including a mix of studio, one bedroom, and two bedroom unit types.

The proposed redevelopment of the property also includes construction of underground parking over a substantial portion of the property. The underground parking extends beyond the above-ground footprint of the building. Excavation for the building foundation and below-grade parking will displace PCE contaminated soil. A plan sheet showing the proposed building and other proposed site features is included in **Appendix A**.

4.0 POST CLOSURE MODIFICATION

4.1 CONTINUING OBLIGATIONS

As noted above, the dry cleaner case file associated with this Property (BRRTS #03-13-000414) was closed in May 2021 with continuing obligations. The continuing obligations for the source property (3916, 3918 and 3920 Monona Drive) include:

1. Residual soil contamination,
2. Residual groundwater contamination,
3. Cover/barrier for direct contact and groundwater pathways,
4. Structural impediment,
5. Vapor mitigation required,
6. Commercial/industrial use assumption,
7. Future vapor intrusion risk.

The continuing obligations for the 3900 Monona Drive property include items 6 and 7 from the list above.

The continuing obligations require that:

- Contaminated soil confirmed to be contaminated at the time of excavation be properly managed in accordance with applicable standards and rules.
- A cap be maintained over the entire source property to prevent direct contact with residual soil contamination and to minimize surface water infiltration through the contaminated soil.
- The effectiveness of the cover requirements be re-evaluated if the future use of the property includes residential occupancy.
- Residual soil contamination in the area of the structural impediments created by the existing building, outdoor heating, ventilation, and air conditioning (HVAC) unit, and buried and overhead utilities be further investigated and, if necessary, remediated, at the time these structural impediments are removed.
- WDNR approval be granted to construct a water supply well within the area of identified groundwater contamination greater than NR 140 enforcement standards.
- Appropriate permits be obtained prior to discharging contaminated groundwater from construction dewatering activities.
- Vapor systems must be maintained.
- Vapor mitigation systems on the source property must be reevaluated if changes in land use are planned.
- Vapor intrusion risks be evaluated for new construction and addressed with appropriate mitigation systems as required by WDNR.

In addition to the specific requirements listed above, the case closure letter indicates that WDNR must be notified before changing the land use, mitigation systems, and/or cover system, or constructing or modifying buildings on the affected properties.

4.2 CLOSURE MODIFICATIONS

The proposed redevelopment of the site is described in **Section 3**, above. Management of contaminated materials that may be encountered during redevelopment of the property is described in **Section 6**, below.

The redevelopment of the property will include removal of the majority of PCE contaminant mass in the soil on the source parcel via excavation for the level of underground parking that will extend across much of the property. Soil samples collected at the limits of the excavation will document residual contamination remaining at the completion of redevelopment project. It is anticipated that excavation for construction will remove soil exceeding RCLs for non-industrial direct contact.

The proposed redevelopment site layout (**Appendix A**), which includes a new building and pavement covering most of the area of the existing cap described in the case closure documents, will provide a level of protection against direct contact or surface water infiltration comparable to or better than the existing cap.

The risk of vapor migration into new residential and commercial spaces will be minimized by the proposed redevelopment plan. Soil sampling during the site investigation showed that PCE concentrations declined dramatically at depths of 10 to 12 feet compared to shallow soil. Removal of the top 10 or more feet of soil from the site will greatly reduce the mass and concentration of PCE available for volatilization and migration into the new building. The presence of a full level of underground parking below grade will provide separation between the residential and commercial units and residual soil and groundwater contamination that may remain below the building. Mechanically ventilation installed in the underground parking structure will also provide protection from vapor migration into the residential units. In addition to contaminant mass removal, mechanical venting, and physical separation; vapor mitigation measures will be incorporated into the new building to minimize the potential for vapor intrusion.

Following completion of the redevelopment the owner will provide WDNR with documentation showing the proper disposal of contaminated material removed from the site and the residual soil contamination remaining at the limits of construction excavations; an updated cap maintenance plan describing the new cap; and an updated vapor mitigation operation and maintenance plan documenting the vapor mitigation features incorporated into the new building.

5.0 SITE ENVIRONMENTAL CONDITIONS

The SCS October 6, 2021 Phase 1 ESA report for the three properties comprising the proposed redevelopment project summarizes the environmental information and investigations that have been completed to date.

Environmental conditions at the time of case closure for the Classic Cleaners dry cleaning solvent contamination site are documented in continuing obligations package dated May 24, 2021 available on the WDNR BRRTS website under file number 02-13-368525. Selected figures and tables from the case closure request are included in **Appendix B**. As noted above in **Section 3**, the dry-cleaning solvent contamination case was closed with a number of continuing obligations. The degree and extent of PCE contamination within the project limits are described in greater detail below.

The petroleum leaking underground storage tank case file for the former Mike's Lake Edge Mobil (BRRTS #03-13-000237) was closed on November 21, 2000. This case was closed without continuing obligations and a NR 140 preventive action limit (PAL) exemption for benzene. Lab analysis of additional samples collected during a Phase 2 ESA by Ivertech in 2020 did not detect petroleum volatile organic compounds (PVOCs) in soil and found only trace concentrations of toluene in groundwater. A complete copy of the Ivertech ESA is included in **Appendix C**.

5.1 SOIL

5.1.1 Physical Characteristics

Site soils generally consists of 1 to 2 feet of gravel fill overlying silty clay. The silty clay unit extends to depths of 3 to 6 feet below ground surface (bgs), and overlies a unit of sand and silty sand. The sand unit continues to a depth of at least 45 feet bgs. Bedrock was not encountered during the investigation. The depth to sandstone bedrock in the vicinity of the site is anticipated to be approximately 40 to 60 feet bgs based on historic well construction logs available on the Wisconsin Geologic and Natural History Survey website.

5.1.2 Contamination Extent

Soil contamination appears mostly limited to the dry cleaner source parcel. The estimated horizontal extent of soil exceeding NR 720 RCLs is shown on **Figure 3**. The estimated vertical extent of soil exceeding NR 720 RCLs is shown cross sections on included in **Appendix B**. Chlorinated volatile organic compounds (CVOCs) are present in soil at concentrations in excess of NR 720 groundwater pathway and direct contact RCLs. The degree and extent of soil contamination is consistent with a release of dry-cleaning solvent from former dry-cleaning operations at the northern dry-cleaning source parcel building.

Soil exceeding direct contact RCLs appears to be limited to shallow soil within approximately 4 feet of ground surface in a small area near the southeast corner of the of the 3916/3918 Monona Drive building, where dry cleaning filters and solvent containers may have been stored in the past. PCE, trichloroethylene (TCE), and cis-1,2-dichloroethylene (cis-1,2-DCE) were detected in the upper 4 feet of the soil column at concentrations in excess of NR 720 RCLs for the groundwater pathway. Only PCE was detected in excess of an NR 720 direct contact RCL.

The paved area to the east of the 3916/3918 Monona Drive building was considered a structural impediment to remediation of more heavily contaminated soil. This area was not considered reasonably accessible as it serves as a shipping receiving area for the Java Cat Café, it is occupied by a large building HVAC unit, and it has multiple overhead and buried utilities.

5.1.3 Disposal Considerations

Because the greatest concentrations of PCE are located near what was the back door of the dry former cleaner operations located at 3918 Monona Drive, the source of PCE contamination appears to be the former dry cleaner that operated at the property. Spent dry cleaning solvents containing PCE are listed as a hazardous waste (F002) under the Resource Conservation and Recovery Act (RCRA). Soil contaminated with spent PCE directly attributed to a release from a dry-cleaning operation is therefore also considered a "listed" hazardous waste because it "contains" a listed waste. Additionally, soil contaminated with concentrations of PCE that exceed the RCRA toxicity characteristic of 0.7 milligrams per liter (mg/L) as measured using the toxicity characteristic leaching procedure (TCLP) is also considered as "characteristic" hazardous waste (D039) under RCRA.

These hazardous waste definitions do not apply to in-place soil, but come into effect only after the soil is removed from the ground (i.e. the hazardous waste is generated during the process of excavation). Finally, soil with PCE concentrations that exceed the 60 milligrams per kilogram (mg/kg) land disposal restriction (LDR) threshold is banned from land disposal and must be either pre-treated or incinerated prior to landfilling.

Typically, it is possible to obtain a “contained out” determination from WDNR for soil contaminated with a “listed” waste if the as-found concentrations do not exceed the corresponding industrial direct contact RCLs for the contaminants of concern. Soil that receives a “contained out” determination is not considered a listed hazardous waste and can be managed based on “as found” concentrations. Excavated soil that is characteristically hazardous (i.e. fails the TCLP test) still needs to be managed as “hazardous waste” regardless of whether it is a “listed” waste.

Based on the soil sampling data collected from 2002 to 2007 during the investigation of the dry-cleaning solvent at this site, the contaminated soil to be excavated during redevelopment of this property falls into three categories as follows:

1. The PCE concentration in the shallow soil (0 to 2 feet below grade) at boring GB3 exceeds the both the LDR and hazardous waste thresholds and must be pre-treated prior to disposal at a facility licensed to accept hazardous waste. (PID screening from boring GB3 showed headspace readings declined from 400 parts per million (ppm) in the 0 to 2 foot interval to 12 ppm in the 2 to 4 foot interval).
2. The total PCE concentrations in shallow samples GB6-S2 and GB15-S1 exceed 20 times the TCLP limit and therefore are assumed by RCRA to exceed the threshold for characteristic hazardous waste.
3. The balance of the PCE-contaminated soil within the project area does not exceed the industrial direct contact RCL and therefore should be eligible for a “contained-out” determination which would allow the soil to be disposed in a regular licensed solid waste landfill.

If the owner chooses to perform additional testing of the more contaminated soil via total or TCLP analysis for PCE prior to the start of excavation work, it may be possible to re-classify the soil with the higher PCE concentrations. If re-testing shows that contaminant concentrations are now less than hazardous waste characteristic and/or LDR thresholds, presumably as a result of volatilization over the last 14 to 19 years, then this soil could be included in the “contained out” determination and managed as non-hazardous.

5.2 GROUNDWATER

5.2.1 Physical Characteristics

The water table at the site lies within the sand unit at a depth of approximately 18 feet bgs. Piezometric elevations are similar to water table elevations. Seasonal groundwater elevation fluctuations or free product were not observed. Groundwater flow is to the west-southwest at a gradient of approximately 0.002 feet per foot (ft/ft). Groundwater showed little to no vertical flow component at the MW1/MW1P nest and a slight downward flow component at the MW4/MW4P well nest. There do not appear to be significant flow variations.

5.2.2 Contamination Extent

A CVOC groundwater plume extends from the source property to the west-southwest underneath Monona Drive. The estimated horizontal extent of groundwater exceeding NR 140 standards is shown **Figure 4**. The estimated vertical extent of groundwater exceeding NR 140 standards is shown on the cross sections included in **Appendix B**. The degree and extent of groundwater contamination is consistent with a release of dry cleaning from former dry-cleaning operations at the northern property building. There do not appear to be any receptors for the groundwater contamination. Drinking water in the vicinity of the site is supplied by City of Madison Well No. 9, which is located approximately 1 mile to the southeast of the site. Due to the depth of groundwater (18 feet) it does not appear that contaminated groundwater would intercept the building foundation or typical underground utility backfill. Groundwater PCE concentrations appear to be degrading over time by dispersion, and as of August 2020 the highest PCE concentration in groundwater had fallen from 2,300 micrograms per liter ($\mu\text{g/L}$) to 22 $\mu\text{g/L}$.

5.3 VAPOR

CVOCs were detected in building sub-slab vapor samples at concentrations in excess of sub-slab vapor risk screening levels (VRSLs) at the source property and two off-site properties. Sub-slab sampling was performed for buildings at 104 Davidson Street, and 3900, 3916/3918, 3920, 3939, 4001, 4002, and 4010 Monona Drive. Indoor air sampling was also performed at 4001 and 4010 Monona Drive. Access requests for sub-slab sampling at buildings at 105 Davidson Street, 3905, 3909, and 4007 Monona Drive were denied. The 3909 Monona Drive building was subsequently determined not at risk for vapor intrusion due to presence of parking garage under entire first level. Vapor mitigation systems (VMSs) were installed in all buildings where sub-slab vapor concentrations exceeded VRSLs.

6.0 MATERIALS MANAGEMENT

Material management activities related to contaminated soil, groundwater, and vapor are summarized below.

6.1 SOIL MANAGEMENT

The development plan requires soil excavation across most of the site related to:

- Site demolition, including removing foundation walls and floors.
- Construction of foundations and below-grade parking across most of the property.
- Installation of underground utilities.
- Grading and paving around the margins of the property.

The plans for the building construction are being developed as this plan is written. The site plan (**Appendix A**) shows surface parking and the bank drive through lanes located above the below grade parking level so a minimum excavation depth of 10 feet is anticipated.

The currently proposed footprint of the lower-level parking extends nearly to the west and east property lines approximately 11 feet south of the north property line, and 20 to 44 feet north of the south property line. A markup of the proposed site plan (**Appendix D**) shows the approximate extent of soil contamination from **Figure 3** with respect to extent the lower parking level with 5-foot margins

to allow for work around the structure as it is constructed. Based on this overlay, approximately one-third of the excavation footprint falls within the zone of soil contamination. Preliminary excavation volume estimates, based on a 10-foot excavation depth, are as follows:

- The entire excavation volume to accommodate the lower parking level, parking access ramp, and working room around the building is 11,850 cubic yards (yd³);
- The portion of the excavation within the zone of PCE contamination is 4,300 yd³;
- 322 yd³ of the of PCE contaminated soil (7.5 percent) are assumed to be hazardous waste;
- 44 yd³ of hazardous waste soil (14 percent) is assumed to exceed the LDR threshold.

These volumes are subject to change based on further development of the building plans and/or additional testing to re-classify soil based on current “as-found” PCE concentrations.

SCS will submit a separate “contained out” determination request to the WDNR to reclassify the soil contaminated with “listed waste” as non-hazardous. Following receipt of the “contained out” determination, SCS will develop waste characterization profiles for each category of soil.

During construction, SCS will assist the excavation contractor in segregating contaminated soil from non-contaminated soil. Contaminated soil will be identified based on:

- Analytical data from previous investigations
- Visual observations
- Screening of soil in the field with a photo-ionization detector (PID)

Soil producing field headspace readings greater than 5 parts per million (ppm) on the PID, or with visual signs of contamination will be considered contaminated.

6.1.1 Soil Management Plan

A site plan showing the proposed site layout with the approximate extent of residual PCE-contaminated soil and limits of the anticipated excavation are shown in **Appendix D**. The extent of contamination will be reevaluated in the field based on field observations and field screening, and additional analytical testing as needed. The following outlines the proposed soil management plan:

PCE Contamination Exceeding LDR

Soil in this area:

- Exceeds the industrial direct contact RCL for PCE.
- Exceeds the LDR threshold for PCE of 60 mg/kg.
- Will be excavated to an approximate depth 4 feet bgs (PID screening from boring GB3 showed headspace readings declined from 400 ppm in the 0 to 2 foot interval to 12 ppm in the 2 to 4 foot interval).

- Will be transported to a licensed hazardous waste treatment facility for pre-treatment to reduce PCE concentrations below the LDR.
- Will be disposed in a licensed hazardous waste landfill following pre-treatment.

PCE Contamination Exceeding RCRA Hazardous Waste Toxicity Characteristic

Soil in this area:

- Exceeds the TCLP toxicity characteristic for PCE of 0.7 mg/L.
- May exceed the non-industrial direct contact RCL for PCE.
- Will be excavated to an approximate depth 6 feet bgs (PID screening from borings GB6 and GB15 showed headspace readings declined significantly at depths greater than the shallow intervals where total PCE concentrations greater than 20 times the TCLP limit were detected).
- Will be transported to a licensed hazardous waste landfill for disposal.

“Contained-Out” PCE Contamination

Soil in this area:

- Exceeds only the groundwater pathway RCLs for PCE.
- May be excavated to a depth 10 feet bgs or more.
- May be located below shallow soil with potentially hazardous concentrations of PCE.
- Will be landfill disposed in a licensed solid waste landfill.

Petroleum Contamination Associated with Former Underground Storage Tanks or Hydraulic Lift Systems

Based on sampling available to date, little or no detectable petroleum contamination remains in the area of the former gas station on the 3900 Monona Drive parcel. If visible staining, noticeable petroleum odors, or elevated PID field screening readings are observed during excavation, this soil will be disposed under a separate profile at a licensed solid waste landfill

Balance of excavation

Generally, soils in this area:

- Are located outside the identified limits of PCE contamination.
- Have no detectable concentrations of PVOs or VOCs.
- Will be excavated to a depth 10 feet bgs or greater.
- May be replaced or reused on site beneath buildings or pavement if geotechnically suitable.
- May be transported off site with no restrictions.

Paving Materials and Concrete Demolition Debris

- Asphalt and concrete pavement and other concrete from existing building foundations and footings may be crushed and recycled on site if determined to be clean per applicable WDNR regulations and guidance.
- Recycled asphalt and concrete materials may be used as base course below the new building and pavement areas.

6.1.2 Confirmation Soil Sampling

Post-excavation soil samples will be collected at the limits of excavation in the identified are of PCE contamination. Samples will be spaced approximately 30 feet around the excavation perimeter and on a grid spacing of approximately 30 feet across the floor of the excavation.

If previously undiscovered contamination is encountered elsewhere in the excavation footprint, post-excavation samples will be collected at the apparent limits of contamination.

6.1.3 Protective Cap

The excavation for the lower parking level is expected to remove the majority of the contaminant mass identified at the site. The redeveloped site will be largely capped by the new building or pavement, which will prevent direct contact with residual soil contamination and infiltration of surface water. Small areas of landscaping may be located around the perimeter of the property, and these areas will include at least one foot of clean soil at the ground surface. A cap maintenance plan, with a map showing the cap area, photos of the cap, and required maintenance activities will be submitted to the WDNR for approval following completion of the site development.

6.2 GROUNDWATER MANAGEMENT

As shown in Table A.6 in **Appendix B**, the depth to the water table observed on on-site monitoring wells MW-1, MW-2 and MW-3 has ranged from approximately 17 to more than 19 feet bgs. Based on the observed water table elevations from 2004 to 2020 and the likely depth of excavation for foundation construction, we do not anticipate that dewatering will be required for construction.

In the event that limited dewatering is required SCS will assist the excavation contractor with obtaining approval from the City of Madison and Madison Metropolitan Sewerage District to discharge contaminated groundwater from construction dewatering to the sanitary sewer. The most recent samples from on-site water table monitoring wells (see Table A.1 in **Appendix B**) did not show CVOC concentrations greater than NR 140 enforcement standards, so shallow groundwater should be sufficiently clean to discharge to the sanitary sewer without pre-treatment.

6.3 VAPOR MANAGEMENT

Less than one percent of the contaminated soil identified during the site investigation exceeds the industrial direct contact standard for PCE; therefore, significant vapor exposures are not anticipated during construction. If necessary, vapor issues identified during construction will be managed by limiting the amount of contaminated soil exposed at one time and by using temporary covers (plastic sheeting, tarps, etc.) to limit the amount of volatilization.

Although the proposed redevelopment will greatly reduce the potential for vapor intrusion compared to current conditions, based on the conditions contained in Classic Cleaners case closure letter and preliminary conversations with WDNR, provisions for vapor mitigation will be incorporated in to the construction of the new building. The risk of vapor migration into the new building will be minimized by the proposed redevelopment plan. Soil sampling during the site investigation showed that PCE concentrations declined dramatically at depths of 10 to 12 feet compared to shallow soil. Removal of the top 10 or more feet of soil from the site will greatly reduce the mass and concentration of PCE available for volatilization and migration into the new building. The presence of a full level of underground parking with mechanical venting below the first floor of the building will provide separation between residential and commercial spaces and residual contamination that may remain below the building.

In addition to contaminant mass removal and physical separation, additional measures will be incorporated into the new building to minimize the potential for vapor intrusion. The floor of the parking level will be underlain by a continuous vapor barrier. A network of horizontal drain/vent pipes spaced on 20-foot centers will be installed below the vapor barrier in the area of identified PCE contamination. The horizontal pipes will be connected to one or more vertical riser pipes terminated above the roof of the building. Typical vapor mitigation design features are illustrated in the drawing included in **Appendix E**.

7.0 UNUSUAL CONDITIONS

If any underground tanks, unusual odors, staining, fluids, or piping are found, work will stop in that area and the contractor will notify the owner and SCS of the conditions. SCS will inspect the site to assess the situation.

If potentially contaminated or hazardous material is encountered that is significantly different than what has been previously identified, it will be evaluated by SCS, or other environmental professional, as appropriate for the material encountered.

8.0 ROLES AND RESPONSIBILITIES DURING CONSTRUCTION

The following roles and responsibilities have been identified for the project:

Owner (Threshold Development) or General Contractor (Krupp Construction)

- Performs overall project scheduling and retains civil engineer/architect, environmental consultants, and contractor.
- Develops plans and specifications for project earthwork, incorporating the requirements of the soil and groundwater management plan.

Civil Engineer (TBD)

- Develops site and building plans, incorporating cap in to the site redevelopment.
- Develops utility and storm water management plans compatible with site conditions.

Environmental Consultant (SCS Engineers)

- Provides on-site observation and documentation of soil and groundwater management.
- Obtains soil profile approvals for treatment/disposal at an appropriate licensed facility.
- Advises on management of special or unanticipated environmental conditions encountered during construction.
- Obtains the appropriate discharge permits for construction dewatering discharge to the sanitary sewer, if needed.

Earthwork Contractor

- Performs earthwork in accordance with the project construction plans and specifications.
- Informs environmental engineer of schedule and any unusual conditions encountered during development.

9.0 REPORTING

Upon completion of subsurface activities, SCS will provide to the WDNR a written report of site activities, documentation of material disposal, an updated cap maintenance plan, an updated vapor mitigation plan for the new building and vapor mitigation operations and maintenance plan.

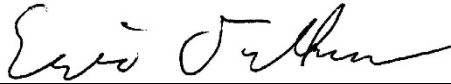
10.0 REFERENCES

Ivertch, 2020, Limited Phase II Environmental Site Assessment, 3900 Monona Drive, City of Madison, Dane County, WI; June 24, 2020

SCS Engineers, 2021, Phase 1 Environmental Site Assessment, 3900 Monona Drive, Madison, Wisconsin 53704; October 6, 2021

11.0 CERTIFICATIONS

"I, Eric Oelkers, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."



Signature

Senior Project Manager

Title

November 17, 2021

Date

"I, Mark R. Huber, hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."



Signature

Project Director

Title

November 17, 2021

Date

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Figures

- 1 Site Location Map
- 2 Detailed Site Map
- 3 Residual Soil Contamination
- 4 Groundwater Isoconcentration



SITE LOCATION

Lake Monona

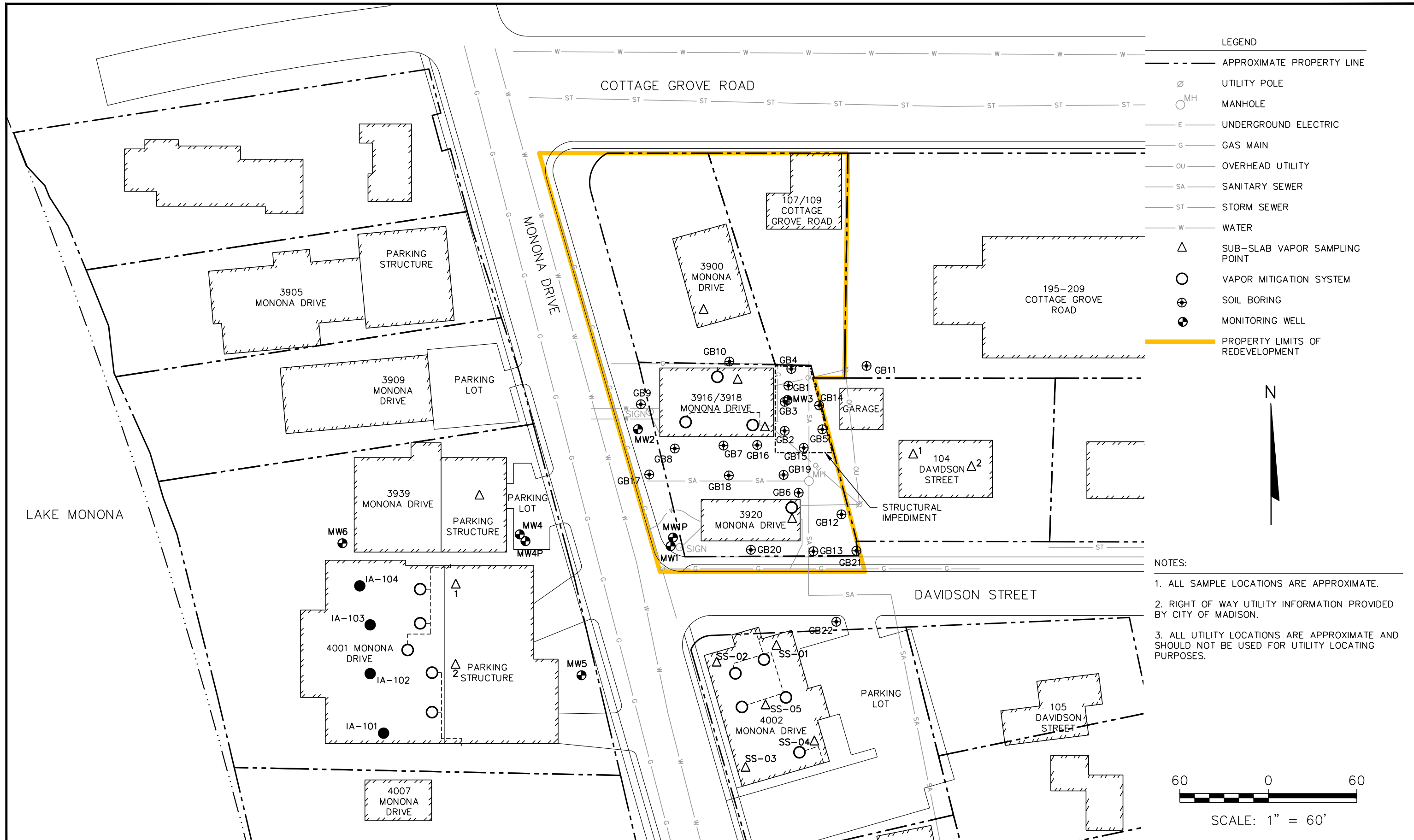
MADISON



MADISON EAST QUADRANGLE
 WISCONSIN-DANE CO.
 7.5 MINUTE SERIES (TOPOGRAPHIC)
 2018
 SCALE: 1" = 2,000'



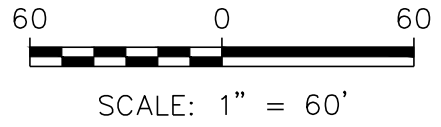
CLIENT	THRESHOLD DEVELOPMENT GROUP 1954 ATWOOD AVENUE MADISON, WI 53704		SITE	THRESHOLD DEVELOPMENT 3900 MONONA DRIVE MADISON, WISCONSIN		ENGINEER	SCS ENGINEERS 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830	SITE LOCATION MAP	FIGURE 1
	PROJECT NO.	25221209.00		DRAWN BY:	KP				
	DRAWN:	10/01/2021	CHECKED BY:	JR					
	REVISED:	10/01/2021							



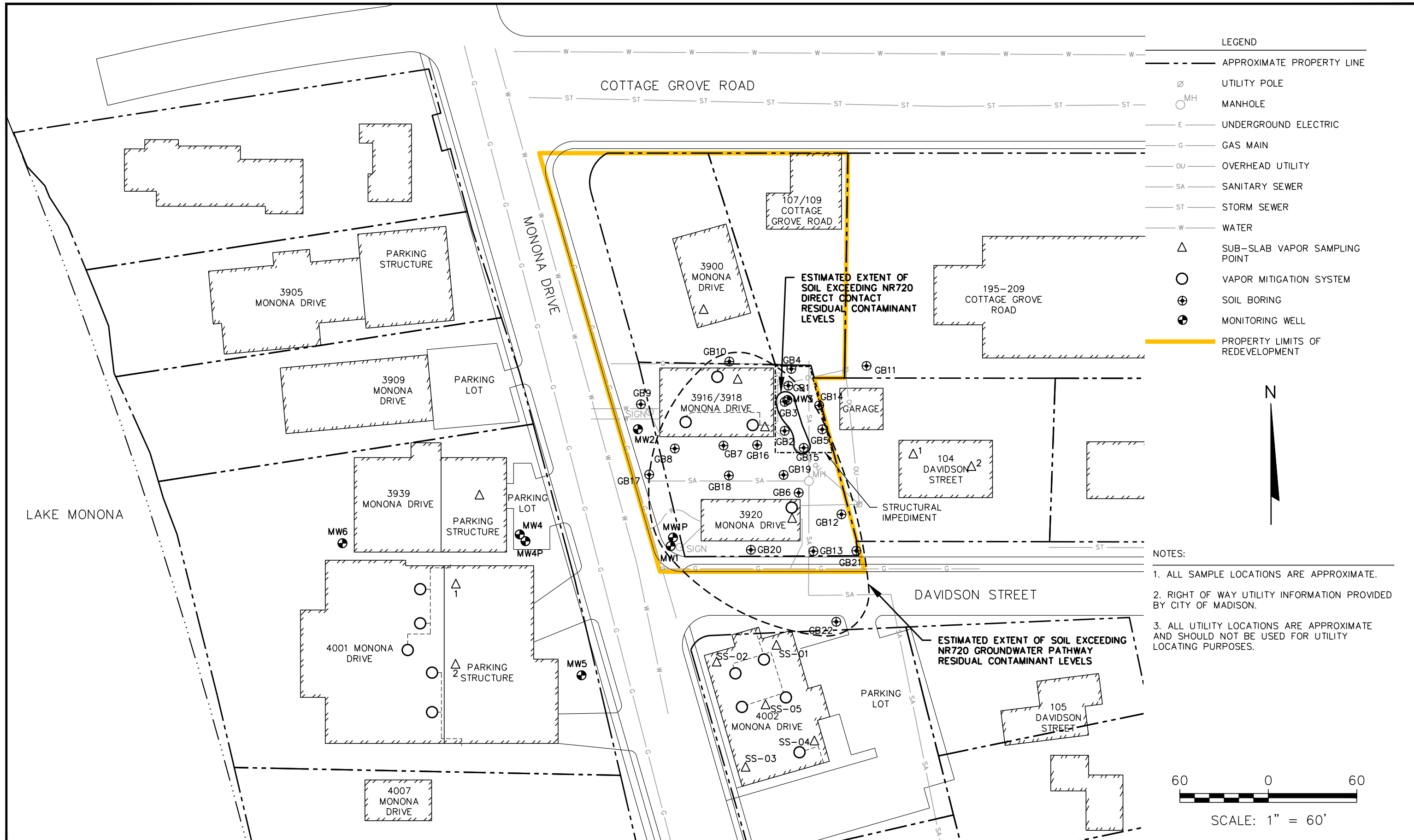
- LEGEND**
- APPROXIMATE PROPERTY LINE
 - Ø UTILITY POLE
 - MH MANHOLE
 - E — UNDERGROUND ELECTRIC
 - G — GAS MAIN
 - OU — OVERHEAD UTILITY
 - SA — SANITARY SEWER
 - ST — STORM SEWER
 - W — WATER
 - △ SUB-SLAB VAPOR SAMPLING POINT
 - VAPOR MITIGATION SYSTEM
 - ⊕ SOIL BORING
 - ⊙ MONITORING WELL
 - PROPERTY LIMITS OF REDEVELOPMENT



- NOTES:**
1. ALL SAMPLE LOCATIONS ARE APPROXIMATE.
 2. RIGHT OF WAY UTILITY INFORMATION PROVIDED BY CITY OF MADISON.
 3. ALL UTILITY LOCATIONS ARE APPROXIMATE AND SHOULD NOT BE USED FOR UTILITY LOCATING PURPOSES.



PROJECT NO. 25221209.00	DRAWN BY: KP/JMO	<p>2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830</p>	<p>CLIENT THRESHOLD DEVELOPMENT GROUP 1954 ATWOOD AVENUE MADISON, WI 53704</p>	<p>SITE THRESHOLD DEVELOPMENT 3900 MONONA DRIVE MADISON, WISCONSIN</p>	<p>DETAILED SITE MAP</p>	FIGURE
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REVISED: 11/15/2021	APPROVED BY: EO 11/17/2021					

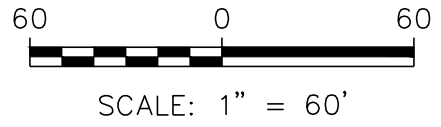


LEGEND

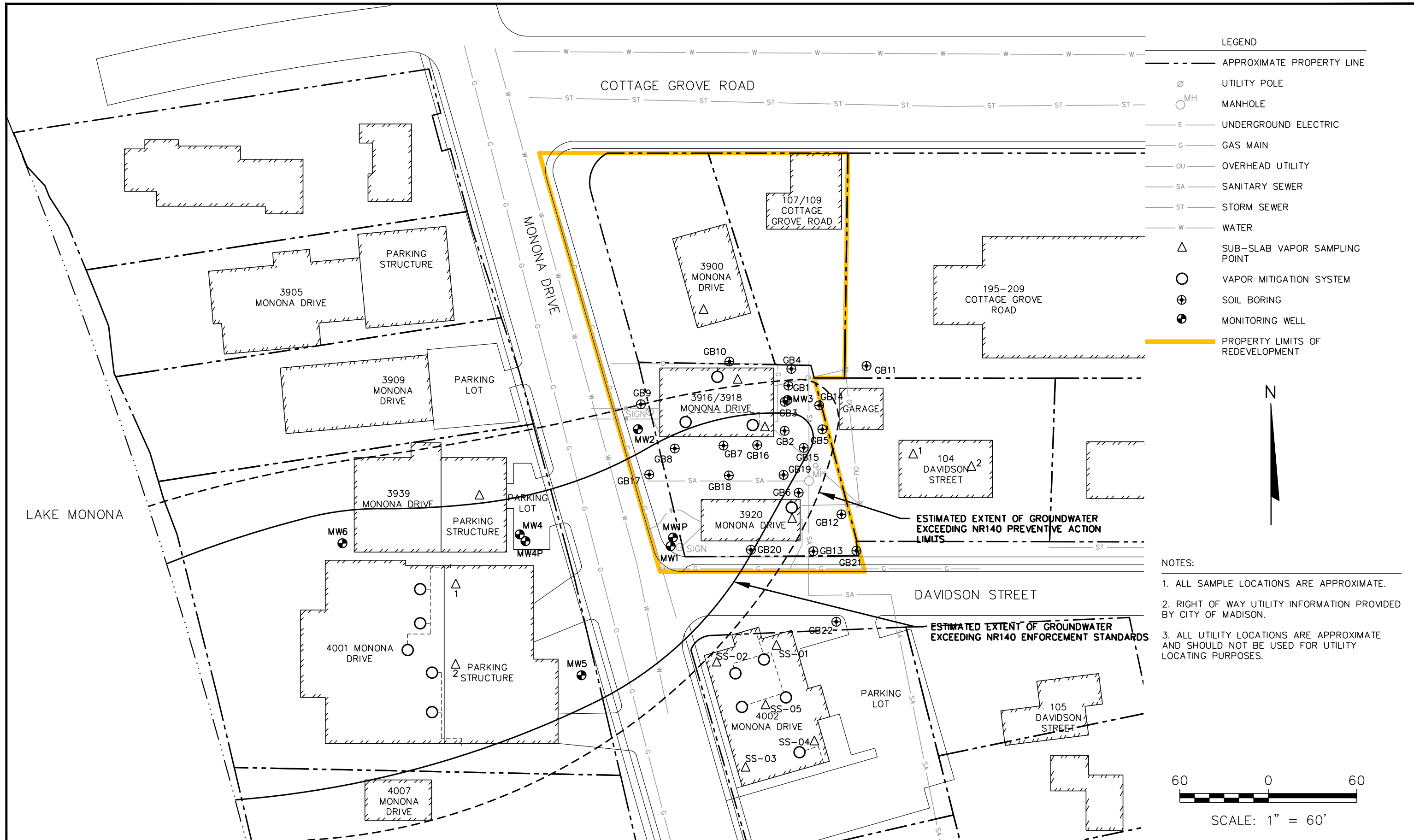
---	APPROXIMATE PROPERTY LINE
∅	UTILITY POLE
○	MANHOLE
—E—	UNDERGROUND ELECTRIC
—G—	GAS MAIN
—OU—	OVERHEAD UTILITY
—SA—	SANITARY SEWER
—ST—	STORM SEWER
—W—	WATER
△	SUB-SLAB VAPOR SAMPLING POINT
○	VAPOR MITIGATION SYSTEM
⊕	SOIL BORING
⊕	MONITORING WELL
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 3. ALL UTILITY LOCATIONS ARE APPROXIMATE AND SHOULD NOT BE USED FOR UTILITY LOCATING PURPOSES.



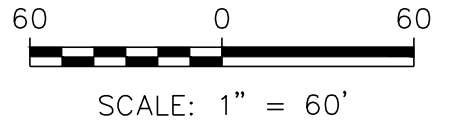
PROJECT NO. 25221209.00	DRAWN BY: KP/JMO	<p>ENGINEER</p>	<p>CLIENT</p> <p>THRESHOLD DEVELOPMENT GROUP 1954 ATWOOD AVENUE MADISON, WI 53704</p>	<p>SITE</p> <p>THRESHOLD DEVELOPMENT 3900 MONONA DRIVE MADISON, WISCONSIN</p>	<p>RESIDUAL SOIL CONTAMINATION</p>	FIGURE
DRAWN: 01/06/2004	CHECKED BY: REL					3
REVISED: 11/15/2021	APPROVED BY: EO 11/17/2021					




- LEGEND**
- APPROXIMATE PROPERTY LINE
 - Ø UTILITY POLE
 - MH MANHOLE
 - E — UNDERGROUND ELECTRIC
 - G — GAS MAIN
 - OU — OVERHEAD UTILITY
 - SA — SANITARY SEWER
 - ST — STORM SEWER
 - W — WATER
 - △ SUB-SLAB VAPOR SAMPLING POINT
 - VAPOR MITIGATION SYSTEM
 - ⊕ SOIL BORING
 - ⊕ MONITORING WELL
 - PROPERTY LIMITS OF REDEVELOPMENT



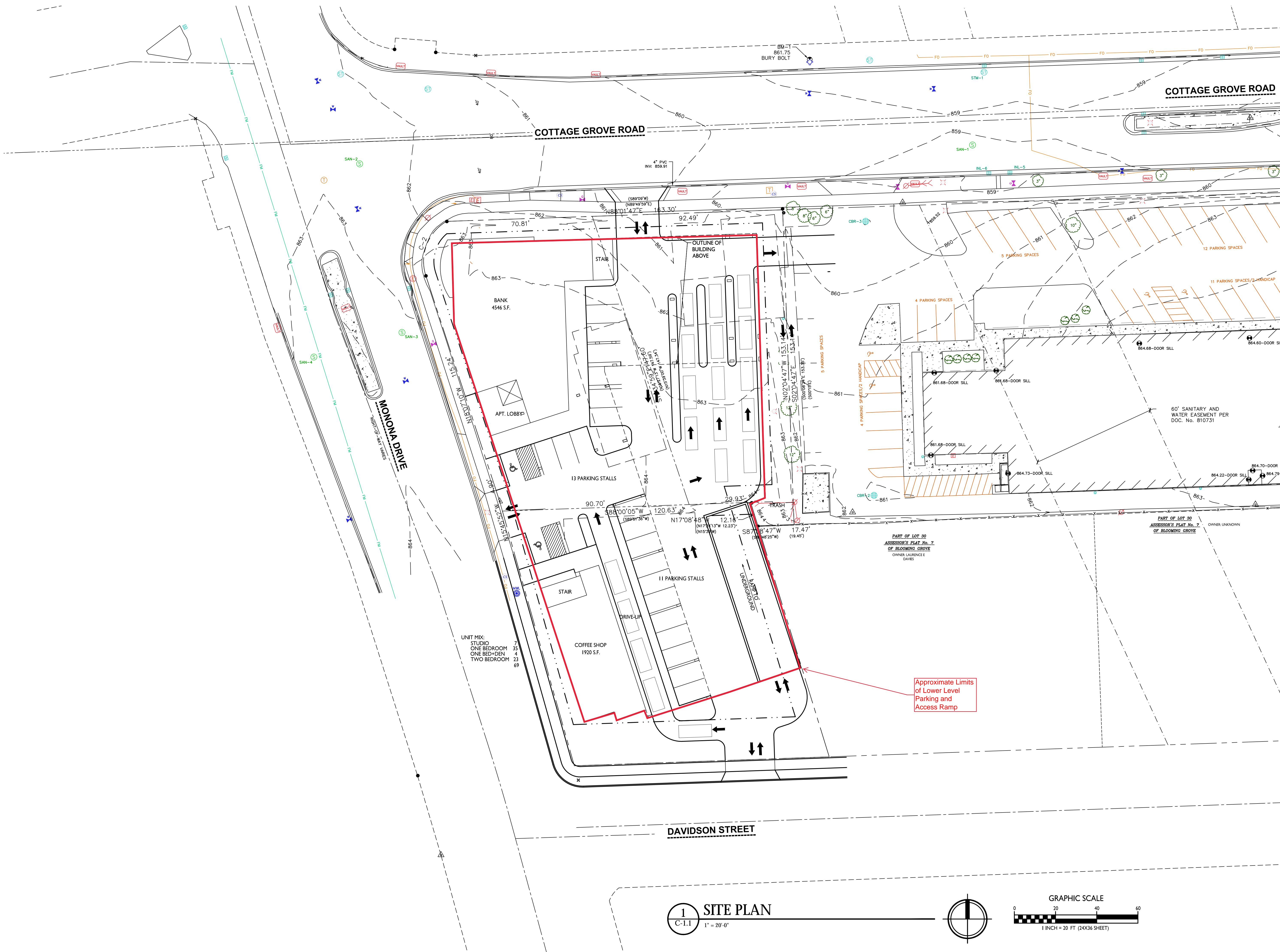
- NOTES:**
1. ALL SAMPLE LOCATIONS ARE APPROXIMATE.
 2. RIGHT OF WAY UTILITY INFORMATION PROVIDED BY CITY OF MADISON.
 3. ALL UTILITY LOCATIONS ARE APPROXIMATE AND SHOULD NOT BE USED FOR UTILITY LOCATING PURPOSES.



PROJECT NO. 25221209.00	DRAWN BY: KP/JMO	<p>2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830</p>	<p>CLIENT THRESHOLD DEVELOPMENT GROUP 1954 ATWOOD AVENUE MADISON, WI 53704</p>	<p>SITE THRESHOLD DEVELOPMENT 3900 MONONA DRIVE MADISON, WISCONSIN</p>	<p>FIGURE 4</p>
DRAWN: 01/06/2004	CHECKED BY: REL				
REVISED: 11/15/2021	APPROVED BY: EO 11/17/2021				



Appendix A
Development Plans



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ARCHITECTS

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PROJECT TITLE

SHEET TITLE
Site Plan

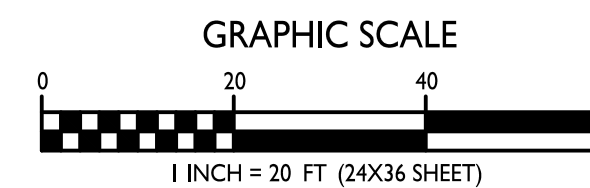
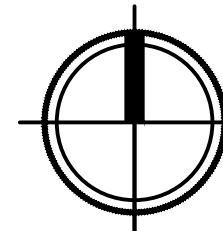
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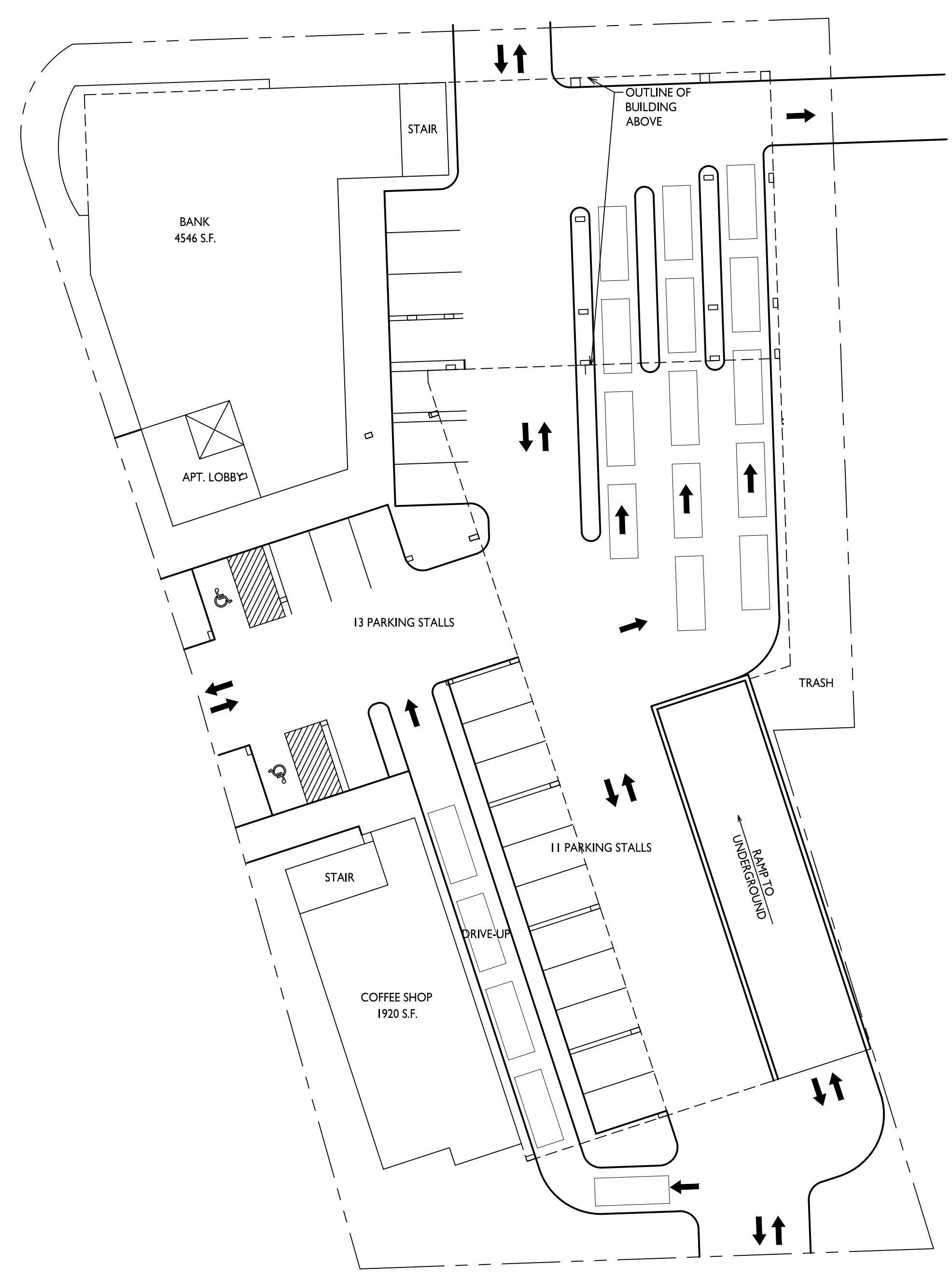
C-1.1

PROJECT NO.

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1 SITE PLAN
C-1.1 1" = 20'-0"





2 FIRST FLOOR PLAN
 C-1.2 1" = 20'-0"



1 BASEMENT FLOOR PLAN
 C-1.2 1" = 20'-0"

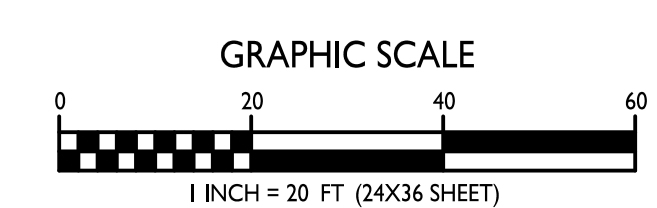
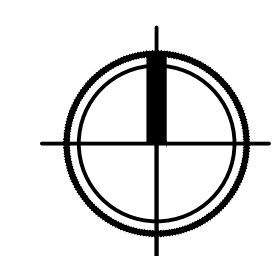
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PROJECT TITLE

SHEET TITLE
Floor Plans

SHEET NUMBER

C-1.2
 PROJECT NO.





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PROJECT TITLE

SHEET TITLE
Floor Plans

SHEET NUMBER

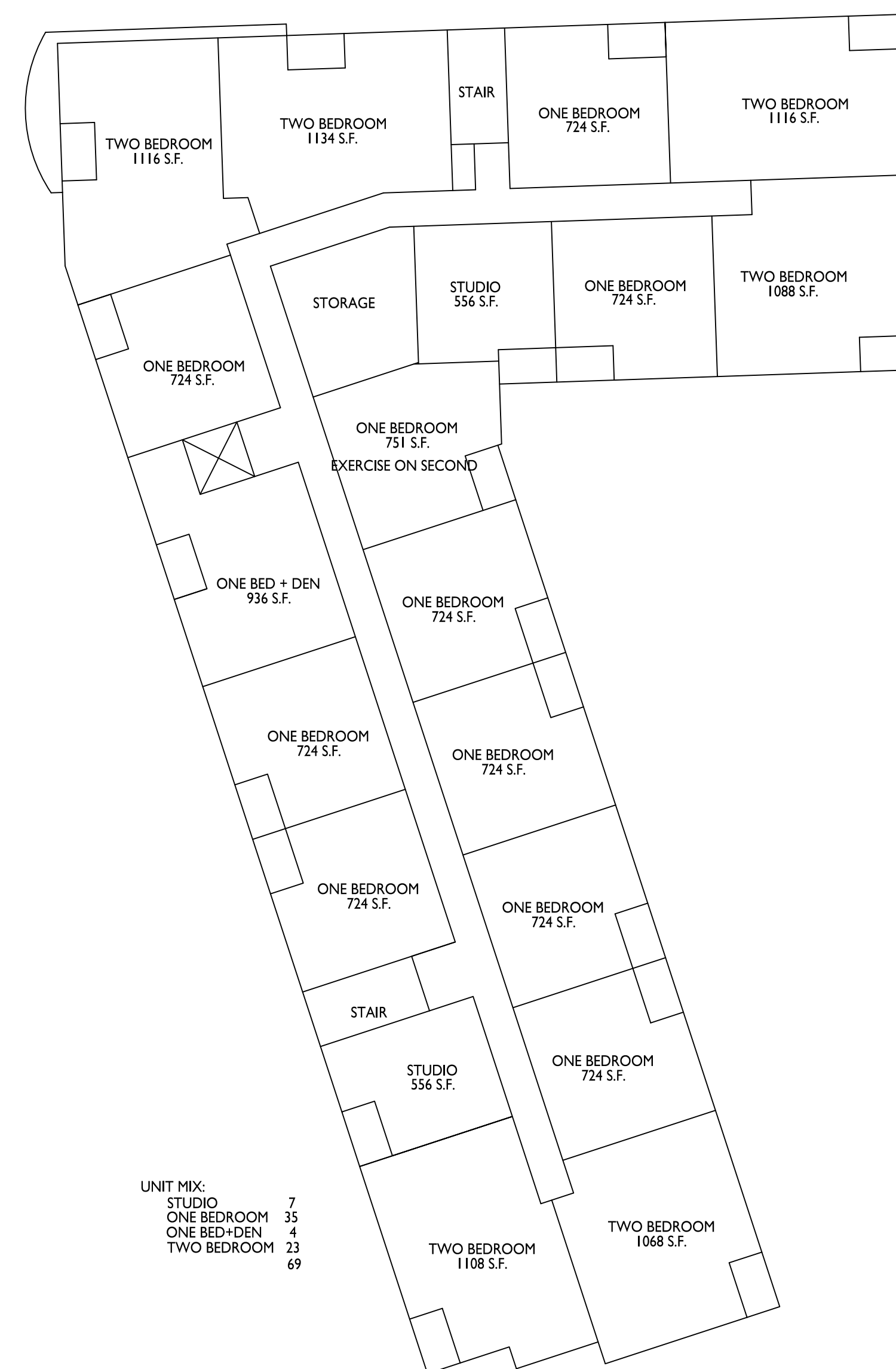
C-1.3

PROJECT NO.

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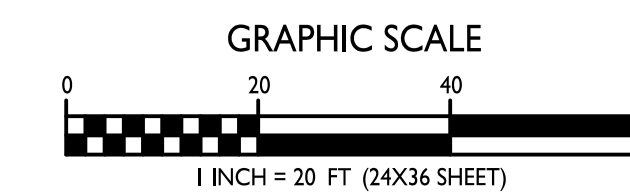
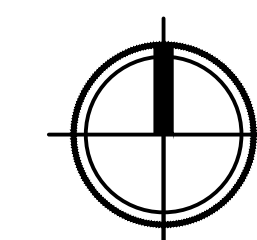


2 FIFTH FLOOR PLAN
C-1.3 1" = 20'-0"



UNIT MIX:
STUDIO 7
ONE BEDROOM 35
ONE BED+DEN 4
TWO BEDROOM 23
69

1 SECOND - FOURTH FLOOR PLAN
C-1.3 1" = 20'-0"



Appendix B

Classic Cleaners Case Closure Tables and Figures

A.1. Groundwater Analytical Table
3918 Monona Drive, Madison, WI / SCS Engineers Project #25211232.51
 (Results are in µg/L)

Sample	Date	Lab Notes	Benzene	Ethylbenzene	Toluene	Xylenes	TMBs	MTBE	PCE	TCE	cis-1,2-DCE	Other VOCs
GB2	9/17/2002	(1)	0.391	0.623 ^J	1.55	1.122 ^J	<0.71	<0.3	<u>58.2</u>	<0.36	<0.23	ND
GB4	4/7/2004	(2)	<0.31	<0.5	0.421 ^J	<0.92	<0.71	<0.3	<u>3.08</u>	<0.5	<0.4	ND
GB5	4/7/2004	(2)	<0.31	<0.5	0.34 ^J	<0.92	<0.71	<0.3	<u>23.0</u>	<0.5	<0.4	ND
GB6	4/7/2004	--	<0.31	0.594 ^J	0.683 ^J	1.06 ^J	<0.71	<0.3	<u>38.8</u>	<u>0.714^J</u>	4.59	ND
GB7	4/7/2004	--	<0.31	<0.5	0.407 ^J	<0.92	<0.71	<0.3	<u>49.1</u>	<0.5	<0.4	ND
GB8	4/7/2004	--	<0.31	0.692 ^J	1.05	0.734 ^J	<0.71	<0.3	<u>278</u>	<0.5	<0.4	ND
GB9	4/7/2004	--	<0.31	0.521 ^J	0.484 ^J	<0.92	<0.71	<0.3	<u>103</u>	<0.5	<0.4	ND
GB10	4/7/2004	--	<0.31	<0.5	0.478 ^J	<0.92	<0.71	<0.3	<u>27.9</u>	<0.5	<0.4	ND
GB11	4/7/2004	--	<0.31	<0.5	<0.3	<0.92	<0.71	<0.3	<u>1.32^J</u>	<0.5	<0.4	ND
MW1	8/18/2004	(3)	<2.50	<25.0	<25.0	<25.0	<50.0	<1.45	<u>260</u>	<2.50	<25.0	ND
	4/19/2005	(4)	<0.50	<5.0	<5.0	<5.0	<10.0	<0.290	<u>678</u>	<u>2.77</u>	<5.0	ND
	6/26/2007	--	<0.82	<1.1	<1.3	<5.3	<3.6	<1.2	<u>190</u>	<u>1.1^Q</u>	<1.7	ND
	12/2/2008	--	<6.70	<6.70	<13.0	<19.70	<13.40	<17.0	<u>320</u>	<u>21.7</u>	3.53 ^J	Chloroform <u>19.3</u>
	5/30/2018	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.37	<0.16	<0.41	ND
	8/28/2020	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<u>2.1</u>	<0.16	<0.41	ND
MW1P	4/19/2005	(4)	<0.50	<5.0	<5.0	<5.0	<10.0	<0.290	<0.50	<0.50	<5.0	ND
	6/26/2007	--	<0.41	<0.54	<0.67	<2.63	<1.8	<0.61	<0.45	<0.48	<0.83	ND
	12/2/2008	(9)	<0.67	<0.67	<1.30	<1.97	<0.87	<1.70	<u>1.06</u>	<1.30	<1.00	ND
	5/30/2018	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<u>9.9</u>	<0.16	<0.41	ND
	8/28/2020	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.37	<0.16	<0.41	ND
MW2	8/18/2004	(3)	<0.50	<5.0	<5.0	<5.0	<10.0	<0.290	<u>60.5</u>	<0.50	<5.0	ND
	4/19/2005	(6)	<0.50	<5.0	<5.0	<5.0	<10.0	<0.290	<u>19.4</u>	<u>0.710</u>	<5.0	ND
	6/26/2007	--	<0.41	<0.54	<0.67	<2.63	<1.8	<0.61	<u>16</u>	<0.48	<0.83	ND
	12/2/2008	(9)	<0.67	<0.67	<1.30	<1.97	<1.34	<1.70	<u>54.8</u>	<1.30	<1.00	Chloroform <u>3.13</u>
	5/30/2018	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<u>1.3</u>	<0.16	<0.41	ND
	8/28/2020	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.37	<0.16	<0.41	ND

A.1. Groundwater Analytical Table
3918 Monona Drive, Madison, WI / SCS Engineers Project #25211232.51
 (Results are in µg/L)

Sample	Date	Lab Notes	Benzene	Ethylbenzene	Toluene	Xylenes	TMBs	MTBE	PCE	TCE	cis-1,2-DCE	Other VOCs
MW3	8/18/2004	(3)	<0.50	<5.0	<5.0	<5.0	<10.0	<0.290	39.4	<0.50	<5.0	ND
	4/19/2005	(4)	<0.50	<5.0	<5.0	<5.0	<10.0	<0.290	9.04	<0.50	<5.0	ND
	6/26/2007	--	<0.41	<0.54	<0.67	<2.63	<1.8	<0.61	51	<0.48	<0.83	Chloroform 2.4
	12/2/2008	(9)	<0.67	<0.67	<1.30	<1.97	<1.34	<1.70	52.5	0.44 J	<1.00	ND
	5/30/2018	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	1.7	<0.16	<0.41	ND
	8/28/2020	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	5.9	0.19 J1	<0.41	ND
MW4	4/19/2005	(4)	<0.50	<5.0	<5.0	<5.0	<10.0	<0.290	2,280	5.03	<5.0	ND
	6/26/2007	--	<4.1	<5.4	<6.7	<26.3	<18.0	<6.1	1,500	<4.8	<8.3	ND
	12/2/2008	--	<6.70	<6.70	<13.0	<19.70	<13.40	<17.0	342	<13.0	<10.0	Chloroform 43.6
	5/30/2018	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	47	<0.16	<0.41	ND
	8/28/2020	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	14	<0.16	<0.41	ND
MW4P	6/26/2007	(7)	<4.1	<5.4	<6.7	<26.3	<18.0	<6.1	1,200 N	81	<8.3	ND
	12/2/2008	--	<6.70	<6.70	<13.0	<19.70	<13.40	<17.0	286	68.7	6.23 J	ND
	5/30/2018	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.37	1.1	<0.41	ND
	8/28/2020	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.37	0.52	1.2	ND
MW5	6/26/2007	--	<1.0	<1.4	<1.7	<6.6	<4.5	<1.5	170	<1.2	<2.1	ND
	12/2/2008	--	<0.67	<0.67	<1.30	<1.97	<1.34	<1.70	56	<1.30	<1.00	Isopropylbenzene 0.12 J Trichlorofluoromethane 0.28 CSH,J
	5/30/2018	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	17	<0.16	<0.41	ND
	8/28/2020	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	8.2	<0.16	<0.41	ND
MW6	6/26/2007	(8)	<10	<14	<17	<66	<45	<15	2,300	<12	<21	ND
	12/2/2008	--	<6.70	<6.70	<13.0	<19.70	<13.40	<17.0	1,620 CAL	<13.0	<10.0	ND
	5/30/2018	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	85	<0.16	<0.41	ND
	8/28/2020	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	22	<0.16	<0.41	ND
	8/28/2020 (DUP)	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	23	<0.16	<0.41	ND

A.1. Groundwater Analytical Table
3918 Monona Drive, Madison, WI / SCS Engineers Project #25211232.51
 (Results are in µg/L)

Sample	Date	Lab Notes	Benzene	Ethylbenzene	Toluene	Xylenes	TMBs	MTBE	PCE	TCE	cis-1,2-DCE	Other VOCs
Trip Blank	9/17/2002	(1)	<0.31	<0.5	0.532 J	<0.92	<0.71	<0.3	<0.32	<0.36	<0.23	ND
	4/7/2004	--	<0.31	<0.5	<0.3	<0.92	<0.71	<0.3	<0.45	<0.5	<0.4	ND
	8/18/2004	(5)	<0.50	<5.0	<5.0	<5.0	<10.0	<0.290	<u>2.29</u>	<0.50	<5.0	Bromodichloromethane <u>0.50</u>
	4/19/2005	(4)	<0.50	<5.0	<5.0	<5.0	<10.0	<0.290	<0.50	<0.50	<5.0	ND
	6/26/2007	--	<0.41	<0.54	<0.67	<2.63	<1.8	<0.61	<0.45	<0.48	<0.83	ND
	12/2/2008	(9)	<0.67	<0.67	<1.30	<1.97	<1.34	<1.70	<1.00	<1.30	<1.00	ND
	5/30/2018	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.37	<0.16	<0.41	ND
	8/28/2020	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.37	<0.16	<0.41	ND
NR 140 Enforcement Standards (ES)			5	700	800	2,000	480	60	5	5	70	Bromodichloromethane 0.6 Chloroform 6
NR 140 Preventive Action Limits (PAL)			0.5	140	160	400	96	12	0.5	0.5	7	Bromodichloromethane 0.06 Chloroform 0.6

Abbreviations:

µg/L = micrograms per liter or parts per billion (ppb)

PCE = Tetrachloroethene

VOCs = Volatile Organic Compounds

cis-1,2-DCE = cis-1,2-Dichloroethene

TCE = Trichloroethene

ND = Not Detected

MTBE = Methyl-tert-butyl ether

TMBs = 1,2,4- and 1,3,5-trimethylbenzenes

DUP = Duplicate Sample

Notes:

All samples analyzed for full VOC list.

Bold+underlined values meet or exceed NR 140 enforcement standards.

Italic+underlined values meet or exceed NR 140 preventive action limits.

NR 140 ES - Wisconsin Administrative Code (WAC), Chapter NR 140.10 Table 1 - Public Health Groundwater Quality Standards

NR 140 PAL - WAC, Chapter NR 140.10 Table 1 - Public Health Groundwater Quality Standards

A.1. Groundwater Analytical Table
3918 Monona Drive, Madison, WI / SCS Engineers Project #25211232.51

Laboratory Notes:

CAL = Estimated concentration above the calibration range, but within the range of the detector

CSH = Check standard for this analyte exhibited a high bias. Sample results may also be biased high.

J = Estimated concentration below laboratory quantitation level.

J1 = Result is less than the Reporting Limit (RL) but greater than or equal to the Method Detection Limit (MDL) and the concentration is an approximate value

N = Spiked sample recovery not within control limits.

Q = The analyte has been detected between the limit of detection (LOD) and the limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range

- (1) Chloromethane, dichlorodifluoromethane, and naphthalene analyses - Check standard for this analyte exhibited a high bias. Sample results may also be biased high.
2,2-Dichloropropane analysis - Check standard for this analyte exhibited a low bias. Sample results may also be biased low.
- (2) Chloromethane analysis - Check standard for this analyte exhibited a low bias. Sample results may also be biased low.
- (3) VOCs analysis - The result for one or more quality control measurements associated with this sample did not meet the laboratory and/or source method acceptance criteria.
Vinyl chloride analysis - The recovery of this analyte in the check standard is above the method specified acceptance criteria.
Surrogate: Toluene-d8 analysis - This quality control measurement is above the laboratory established limit.
Surrogate: 4-Bromofluorobenzene analysis - This quality control measurement is below the laboratory established limit.
- (4) VOCs analysis - The result for one or more quality control measurements associated with this sample did not meet the laboratory and/or source method acceptance criteria.
- (5) VOCs analysis - Blank was analyzed twice to confirm contamination. The result for one or more quality control measurements associated with this sample did not meet the laboratory and/or source method acceptance criteria. 1,1-Dichloroethene analysis - The recovery of this analyte in the check standard is above the method specified acceptance criteria.
Surrogate: Dibromofluoromethane and Surrogate: 4-Bromofluorobenzene analysis - This quality control measurement is below the laboratory established limit.
Surrogate: Toluene-d8 analysis - This quality control measurement is above the laboratory established limit.
- (6) VOCs analysis - The result for one or more quality control measurements associated with this sample did not meet the laboratory and/or source method acceptance criteria.
Surrogate: 4-Bromofluorobenzene analysis - This quality control measurement is below the laboratory established limit.
- (7) Styrene analysis - Spiked sample recovery not within control limits.
- (8) VOCs analysis - Sample pH was greater than 2.
- (9) Trichlorofluoromethane - Check standard for this analyte exhibited a high bias. Sample results may also be biased high.

Created by: <u>LMH</u>	Date: <u>5/10/2004</u>
Last revision by: <u>LMH</u>	Date: <u>9/8/2020</u>
Checked by: <u>AJR</u>	Date: <u>9/10/2020</u>
Proj Mgr QA/QC: <u>REL</u>	Date: <u>1/13/2021</u>

I:\2325\Reports\Case Closure\Revised Case Closure\[A.1. Groundwater Analytical Table.xls]Lab Notes

A.2. Soil Analytical Results Table
3918 Monona Drive, Madison, WI / SCS Engineers Project #25211232.51
(Results are in µg/kg, except where noted otherwise)

Sample	Date	Depth (feet)	FID/PID	Lab Notes	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	PCE	Other VOCs**
GB1 S1	9/17/2002	0-2	1	(1)	<200	<200	<200	<400	<200	<200	<200 CSL	<u>5,910</u>	ND
GB1 S3	9/17/2002	4-6	1	(1)	<25	<25	<25	<50	<25	<25	<25 CSL	<u>50.9</u>	ND
GB2 S5	9/17/2002	8-10	3	(2)	<25	<25	<25	<50	<25	<25	<25 CSL	<u>166</u>	ND
GB3 S1	9/17/2002	0-2	400	(3)	<20,000	<20,000	<20,000	<40,000	<20,000	<20,000	<20,000 CSL	<u>605,000</u>	ND
GB4 S2	4/7/2004	4	2	(4)	<25	<25	<25	<50	<25	<25	<25	<25	ND
GB4 S6	4/7/2004	12	0	(4)	<25	<25	<25	<50	<25	<25	<25	<25	ND
GB5 S2	4/7/2004	4	2	(4)	<25	<25	<25	<50	<25	<25	<25	<u>40.2</u>	ND
GB5 S8	4/7/2004	16	0	(4)	<25	<25	<25	<50	<25	<25	<25	<25	ND
GB6 S2	4/7/2004	4	70	(4)	<25	<25	<25	<50	<25	<25	<25	<u>15,800</u>	ND
GB6 S6	4/7/2004	12	8	(4)	<25	<25	<25	<50	<25	<25	<25	<u>187</u>	ND
GB7 S2	4/7/2004	4	1	(4)	<25	<25	<25	<50	<25	<25	<25	<u>69.5</u>	ND
GB7 S4	4/7/2004	6	2	(4)	<25	<25	<25	<50	<25	<25	<25	<u>186</u>	ND
GB8 S2	4/7/2004	4	1	(5)	<25	<25	<25	<50	<25	<25	<25	<u>43.5</u>	ND
GB8 S6	4/7/2004	12	2	(5)	<25	<25	<25	<50	<25	<25	<25	<u>66</u>	ND
GB9 S2	4/7/2004	4	2	(5)	<25	<25	<25	<50	<25	<25	<25	<25	ND
GB9 S6	4/7/2004	12	3	(5)	<25	<25	<25	<50	<25	<25	<25	<25	ND
GB10 S2	4/7/2004	4	3	(5)	<25	<25	<25	<50	<25	<25	<25	<u>202</u>	ND
GB10 S6	4/7/2004	12	2	(5)	<25	<25	<25	<50	<25	<25	<25	<25	ND
GB11 S2	4/7/2004	4	2	(5)	<25	<25	<25	<50	<25	<25	<25	<25	ND
GB11 S6	4/7/2004	12	3	(5)	<25	<25	<25	<50	<25	<25	<25	<25	ND
GB12 S1	7/27/2004	0-2	4.4*	(6)	<25	<25	98.1	28.5	<25	<25	<25	<u>62.5</u>	ND
GB12 S5	7/27/2004	10-12	11.2*	(6)	<25	<25	130	<25	<25	<25	<25	<25	ND
GB13 S2	7/27/2004	3-5	14.8*	(6)	<25	<25	109	<25	<25	<25	<25	<u>69.8</u>	ND
GB13 S6	7/27/2004	13-15	15.1*	(6)	<25	<25	129	<25	<25	<25	<25	<u>94.1</u>	ND
GB14 S1	3/8/2007	0-2	0*	--	<27	<27	<27	<91	<27	<27	<27	<27	ND
GB14 S3	3/8/2007	4-6	0*	--	<30	<30	<30	<100	<30	<30	<30	<30	ND

A.2. Soil Analytical Results Table
3918 Monona Drive, Madison, WI / SCS Engineers Project #25211232.51
 (Results are in µg/kg, except where noted otherwise)

Sample	Date	Depth (feet)	FID/PID	Lab Notes	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	PCE	Other VOCs**
GB15 S1	3/8/2007	0-2	288*	--	<26	<26	<26	<90	<26	<26	<26	<u>54,000</u>	cis-1,2-Dichloroethene <u>2,000</u> Trichloroethene <u>620</u>
GB15 S5	3/8/2007	8-10	26*	--	<27	<27	<27	<91	<27	<27	<27	<u>2,700</u>	Chloroform <u>30</u>
GB16 S1	3/8/2007	0-2	3.2*	--	<26	<26	<26	<89	<26	<26	<26	<26	ND
GB16 S3	3/8/2007	4-6	0*	--	<30	<30	<30	<100	<30	<30	<30	<u>40</u>	ND
GB17 S1	3/8/2007	0-2	0*	--	<35	<35	<35	<120	<35	<35	<35	<35	ND
GB17 S5	3/8/2007	8-10	1.1*	--	<29	<29	<29	<98	<29	<29	<29	<29	ND
GB18 S1	3/8/2007	0-2	4*	(8)	<28	<28	<28	<96	<28	<28	<28	<u>2,500</u>	Trichloroethene <u>110</u>
GB18 S5	3/8/2007	8-10	5.9*	(8)	<28	<28	<28	<95	<28	<28	<28	<u>210</u>	ND
GB19 S1	3/8/2007	0-2	10.7*	(8)	<28	<28	<28	<95	<28	<28	<28	<u>11,000</u>	Trichloroethene <u>200</u>
GB19 S5	3/8/2007	8-10	2.6*	(8)	<26	<26	<26	<87	<26	<26	<26	<u>180</u>	ND
GB20 S1	3/8/2007	0-2	1.1*	(8)	<32	<32	<32	<110	<32	<32	<32	<u>1,400</u>	ND
GB20 S3	3/8/2007	4-6	0.7*	(8)	<31	<31	<31	<100	<31	<31	<31	<u>42</u>	ND
GB21 S1	3/8/2007	0-2	0*	(8)	<33	<33	<33	<110	<33	<33	<33	<u>88</u>	ND
GB21 S4	3/8/2007	6-8	0*	(8)	<28	<28	<28	<94	<28	<28	<28	<28	ND
GB22 S2	3/8/2007	2-4	0	(9)	<31	<31	<31	<100	<31	<31	<31	<31	ND
GB22 S5	3/8/2007	8-10	0.7*	(10)	<26	<26	<26	<88	<26	<26	<26	<u>34</u>	ND
MW1 S2	7/27/2004	3-5	1.4*	(6)	<25	<25	92.5	28.8	<25	<25	<25	<u>52</u>	ND
MW1 S5	7/27/2004	10-12	1.6*	(6)	<25	<25	92.2	<25	<25	<25	<25	<25	ND

A.2. Soil Analytical Results Table
3918 Monona Drive, Madison, WI / SCS Engineers Project #25211232.51
 (Results are in µg/kg, except where noted otherwise)

Sample	Date	Depth (feet)	FID/PID	Lab Notes	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	PCE	Other VOCs**
MeOH Blank	9/17/2002	--	--	(3)	<25	<25	<25	<50	<25	<25	<25 CSL	<25	ND
	4/7/2004	--	--	(5)	<25	<25	<25	<50	<25	<25	<25	<25	ND
	7/27/2004	--	--	(6) (7)	<25	<25	<25	<25	<25	<25	<25	<25	ND
	3/8/2007	--	--	(11)	<25	<25	<25	<85	<25	<25	<25	<25	ND
NR 720 Groundwater Pathway RCLs with a Wisconsin-Default Dilution Factor of 2					5.1	1,570	1,107.20	3,960	(a)		27	4.5	cis-1,2-Dichloroethene 41.2 Chloroform 3.3 Trichloroethene 3.6
NR 720 Non-Industrial Direct Contact RCLs					1,600	8,020	818,000	260,000	219,000	182,000	63,800	33,000	cis-1,2-Dichloroethene 156,000 Chloroform 454 Trichloroethene 1,300
NR 720 Industrial Direct Contact RCLs					7,070	35,400	818,000	260,000	219,000	182,000	282,000	145,000	cis-1,2-Dichloroethene 2,340,000 Chloroform 1,980 Trichloroethene 8,410

Abbreviations:

µg/kg = micrograms per kilogram or parts per billion (ppb)
 MTBE = Methyl-tert-butyl ether
 ND = Not Detected

VOCs = Volatile Organic Compounds
 TMB = Trimethylbenzene
 RCLs = Residual Contaminant Levels

FID = Flameionization Detector
 PID = Photoionization Detector
 PCE = Tetrachloroethene

Notes:

*=Measured with a photoionization detector.

**=Samples analyzed for full VOCs list.

Bold+underlined values exceed an NR 720 RCL, as of December 2018.

(a) NR 720 Groundwater Pathway RCLs for 1,2,4 and 1,3,5 Trimethylbenzene Combined = 1,378.7

A.2. Soil Analytical Results Table
3918 Monona Drive, Madison, WI / SCS Engineers Project #25211232.51

Laboratory Notes:

CSL = Check standard for this analyte exhibited a low bias. Sample results may also be biased low.

- (1) Chloroethane, chloromethane, dichlorodifluoromethane, 1,1-dichloroethane, 1,2-dichloroethane, naphthalene, and trichlorofluoromethane analyses - Check standard for this analyte exhibited a high bias. Sample results may also be biased high. Dichlorodifluoromethane analysis - The laboratory control sample for this analyte exhibited a low bias. Sample results may also be biased low. Dichlorodifluoromethane, 1,2,3-trichlorobenzene, and trichlorofluoromethane analyses - Results of duplicate analysis in this quality assurance batch exceeds the limits for precision. 1,2-Dichloroethane analysis - The laboratory control sample for this analyte exhibited a high bias. Sample results may also be biased high. 2,2-Dichloropropane analysis - Check standard for this analyte exhibited a low bias. Sample results may also be biased low.
- (2) Chloroethane, chloromethane, dichloromethane, 1,1-dichloroethane, 1,2-dichloroethane, methylene chloride, naphthalene, and trichlorofluoromethane analyses - Check standard for this analyte exhibited a high bias. Sample results may also be biased high. Chloromethane, dichlorofluoromethane, 2,2-dichloropropane, and trichlorofluoromethane analyses - Results of duplicate analysis in this quality assurance batch exceeds the limits for precision. Dichlorodifluoromethane and 2,2-dichloropropane analyses - The laboratory control sample for this analyte exhibited a low bias. Sample results may also be biased low. 1,2-Dichloroethane and naphthalene analyses - The laboratory control sample for this analyte exhibited a high bias. Sample results may also be biased high. 2,2-Dichloropropane analysis - Check standard for this analyte exhibited a low bias. Sample results may also be biased low.
- (3) Chloroethane, chloromethane, 1,2-dichloroethane, 1,1-dichloroethylene, 1,3-dichloropropane, naphthalene, trichlorofluoromethane, and vinyl chloride analyses - Check standard for this analyte exhibited a high bias. Sample results may also be biased high. Chloromethane, 2,2-dichloropropane, isopropyl ether, trichlorofluoromethane, and vinyl chloride analyses - The laboratory control sample for this analyte exhibited a low bias. Sample results may also be biased low. Chloromethane analysis - Results of duplicate analysis in this quality assurance batch exceeds the limits for precision. Isopropyl ether analysis - Check standard for this analyte exhibited a low bias. Sample results may also be biased low.
- (4) Chloroethane, chloromethane, and 2,2-dichloropropane analyses - Check standard for this analyte exhibited a low bias. Sample results may also be biased low. Chloroethane, chloromethane, dichlorodifluoromethane, 2,2-dichloropropane, trichlorofluoromethane, and vinyl chloride analyses - The laboratory control sample for this analyte exhibited a low bias. Sample results may also be biased low. Chloroethane and chloromethane analyses - Results of duplicate analysis in this quality assurance batch exceeds the limits for precision. 1,2-Dibromo-3-chloropropane analysis - Check standard for this analyte exhibited a high bias. Sample results may also be biased high. The laboratory control sample for this analyte exhibited a high bias. Sample results may also be biased high.
- (5) Bromodichloromethane, 1,2-dibromo-3-chloropropane analyses - Check standard for this analyte exhibited a high bias. Sample results may also be biased high. The laboratory control sample for this analyte exhibited a high bias. Sample results may also be biased high. Chloroethane, chloromethane, and 2,2-dichloropropane analyses - Check standard for this analyte exhibited a low bias. Sample results may also be biased low. Chloroethane, chloromethane, dichlorofluoromethane, trichlorofluoromethane, and vinyl chloride analyses - The laboratory control sample for this analyte exhibited a low bias. Sample results may also be biased low. Chloroethane analysis - Results of duplicate analysis in this quality assurance batch exceeds the limits for precision.
- (6) VOCs analysis - The result for one or more quality control measurements associated with this sample did not meet the laboratory and/or source method acceptance criteria. Vinyl chloride analysis - The recovery of this analyte in the check standard is below the method specified acceptance criteria.
- (7) Surrogate: Dibromofluoromethane analysis - This quality control measurement is below the laboratory established limit.
- (8) Bromoform, Bromomethane, Chloroethane, Dichlorodifluoromethane - Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits. Bromoform, 1,2-Dichloroethane - The RPD exceeded the acceptance limit. Chloroethane - Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
- (9) Carbon Tetrachloride - The RPD exceeded the acceptance limit. Chloroethane, Chloromethane, Dichlorodifluoromethane - Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits. Surrogate: Toluene - Surrogate recovery was below acceptance limits.
- (10) Carbon Tetrachloride - The RPD exceeded the acceptance limit. Chloroethane, Chloromethane, Dichlorodifluoromethane - Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.
- (11) 1,2,4-Trichlorobenzene - 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.

Created by:	<u>LMH</u>	Date:	<u>5/10/2004</u>
Last revision by:	<u>JSN</u>	Date:	<u>5/8/2017</u>
Checked by:	<u>LMH</u>	Date:	<u>5/9/2017</u>
Proj Mgr QA/QC:	<u>REL</u>	Date:	<u>9/23/2019</u>

I:\2325\Reports\Case Closure\Attachment A Data Tables\[A.2 Soil Analytical Results Table.xls]Soil VOCs

A.4.a Vapor Analytical Table - Sub-Slab Sample Results
3918 Monona Drive / SCS Engineers Project #25211232.51
 (Results are in ppbv)

Sample	Date	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
3916 Monona Drive*	7/11/2013	<u>2,010</u>	<800 *D	<800 *D	<800 *D	<800 *D
3918 Monona Drive*	11/18/2008	253 A3	9.7	2.2	NA	<1.0
	7/11/2013	<u>2,180</u>	<800 *D	<800 *D	<800 *D	<800 *D
3920 Monona Drive*	11/18/2008	<u>7,660</u> A3, R1	37.9	9.4	NA	3.0
104 Davidson Street No. 1	7/9/2009	137	<0.80	<0.80	NA	<0.79
	7/11/2013	67	<33 *D	<33 *D	<33 *D	<33 *D
104 Davidson Street No. 2	7/11/2013	33	<20	<20	<20	<20
3900 Monona Drive	7/9/2009	43.5	<0.80	<0.80	NA	<0.79
3939 Monona Drive	7/11/2013	33	<20	<20	<20	<20
4001 Monona Drive* No. 1	7/9/2009	276	<0.74	<0.74	NA	<0.73
	7/11/2013	641	<200 *D	<200 *D	<200 *D	<200 *D
4001 Monona Drive* No. 2	7/11/2013	324	<200 *D	<200 *D	<200 *D	<200 *D
4002 Monona Drive SS-01	11/19/2018	28	<0.24	<0.47	<0.47	<0.24
4002 Monona Drive SS-02	11/19/2018	37	<0.18	<0.35	<0.35	<0.18
4002 Monona Drive SS-03	11/19/2018	100	<0.18	<0.35	<0.35	<0.18
4002 Monona Drive SS-04	11/19/2018	<u>1,396</u>	7.38	<0.37	<0.37	<0.18
4002 Monona Drive SS-05	11/19/2018	778	1.55	<0.35	<0.38	<0.18
Indoor Air Vapor Action Level (Residential)		6.2	0.39	NE	NE	0.65
Vapor Risk Screening Level (Residential)		210	13	NE	NE	22
Vapor Risk Screening Level (Non-Residential)		900	53	NE	NE	370

Abbreviations:

ppbv = parts per billion by volume
 cis-1,2-DCE = cis-1,2-dichloroethene

trans-1,2-DCE = trans-1,2-dichloroethene
 NE = not established

PCE = tetrachloroethene
 TCE = trichloroethene

Notes:

*Vapor mitigation systems were installed subsequent to sampling.

1. Samples were collected in 6L summa canisters over a 30-minute period and analyzed using the USEPA TO-15 analytical method.
2. Vapor Action Levels or Vapor Risk Screening Levels are from Wisconsin Department of Natural Resources Quick Look-Up Table, which is based on November 2017 USEPA Regional Screening Level Tables.
3. Vapor Risk Screening Levels assume a residential/small commercial attenuation factor of 0.03 for sub-slab vapor.
4. Bold values meet or exceed Vapor Risk Screening Levels for residential settings. Bold and underlined values meet or exceed Vapor Risk Screening Levels for non-residential settings.
5. November 11, 2018 results from True North Consultants' Table 1 Summary of Air Sample Analytical Results, Sub-Slab Vapor Short List.

Laboratory Notes/Qualifiers:

A3 = The sample was analyzed by serial dilution.

*D = Limit of detection not achievable due to dilution.

R1 = Duplicate result for this parameter was 1,070 ppbv, relative percent difference value was outside control limits.

Created by: SMS
 Last revision by: LMH
 Checked by: REL
 Proj Mgr QA/QC: REL

Date: 12/9/2008
 Date: 9/16/2019
 Date: 9/19/2019
 Date: 9/23/2019

I:\2325\Reports\Case Closure\Attachment A Data Tables\[A.4.a Vapor Analytical Table -Sub-Slab Sample Results.xls]VOCs

A.4.b Vapor Analytical Table - Indoor Air Sample Results
3918 Monona Drive, Madison, WI / SCS Engineers Project #25211232.51
(Results are in ppbv)

Sample	Location	Date	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
IA-101	4001 Monona Drive	7/15/2015	0.29	<0.085	<0.085	0.19 F	<0.085
IA-102	4001 Monona Drive	7/15/2015	0.74	<0.085	<0.085	<0.085	<0.085
IA-103	4001 Monona Drive	7/15/2015	0.23 F	<0.17	<0.17	<0.17	<0.17
IA-104	4001 Monona Drive	7/15/2015	0.24 F	<0.085	<0.085	1.0	<0.085
Indoor Air Vapor Action Level (Residential)			6.2	0.39	NE	NE	0.65

Abbreviations:

ppbv = parts per billion by volume

cis-1,2-DCE = cis-1,2-dichloroethylene

PCE = tetrachloroethylene

trans-1,2-DCE = trans-1,2-dichloroethylene

TCE = trichloroethylene

NE = not established

Notes:

1. Samples were collected in 6-liter summa canisters over a 24-hour period and analyzed using the USEPA TO-15 analytical method.
2. Vapor Action Levels are from Wisconsin Department of Natural Resources Quick Look-Up Table, which is based on November 2017 USEPA Regional Screening Level Tables.
3. **Bold & underlined** values exceed Indoor Air Vapor Action Levels.

Lab Notes:

F next to result = Result is in between LOD and LOQ

Created by: LMH
Last revision by: JSN
Checked by: LMH
Proj Mgr QA/QC: REL

Date: 7/27/2015
Date: 5/8/2017
Date: 5/9/2017
Date: 9/23/2019

I:\2325\Reports\Case Closure\Attachment A Data Tables\[A.4.b Vapor Analytical Table-Indoor Air Sample Results.xls]Results

A.6. Water Level Elevations
3918 Monona Drive, Madison, WI / SCS Engineers Project #25211232.51

Well Number	Depth to Water in feet below top of well casing							
	MW1	MW2	MW3	MW4	MW5	MW6	MW1P	MW4P
Measurement Date								
July 27, 2004	17.74	17.11	17.41	NM	NM	NM	NM	NM
August 18, 2004	18.04	17.43	17.70	NM	NM	NM	NM	NM
April 19, 2005	19.28	18.66	19.02	19.53	NM	NM	19.23	NM
June 26, 2007	19.34	18.72	19.11	19.56	20.39	17.88	19.29	19.45
December 2, 2008	19.07	18.48	18.79	19.35	20.05	17.70	19.02	19.22
May 30, 2018	17.77	17.18	17.41	18.10	18.90	16.58	17.71	17.99
August 28, 2020	17.11	16.61	16.68	17.63	18.37	16.23	17.06	17.51

Well Number	Ground Water Elevation in feet above mean sea level (amsl)							
	MW1	MW2	MW3	MW4	MW5	MW6	MW1P	MW4P
Top of Casing Elevation (feet amsl)	863.73	863.11	863.58	863.84	864.53	862.02	863.68	863.57
Measurement Date								
July 27, 2004	845.99	846.00	846.17	--	--	--	--	--
August 18, 2004	845.69	845.68	845.88	--	--	--	--	--
April 19, 2005	844.45	844.45	844.56	844.31	--	--	844.45	--
June 26, 2007	844.39	844.39	844.47	844.28	844.14	844.14	844.39	844.12
December 2, 2008	844.66	844.63	844.79	844.49	844.48	844.32	844.66	844.35
May 30, 2018	845.96	845.93	846.17	845.74	845.63	845.44	845.97	845.58
August 28, 2020	846.62	846.50	846.90	846.21	846.16	845.79	846.62	846.06

Abbreviations:

NM = not measured

Last revision by: JSN

Date: 10/1/2020

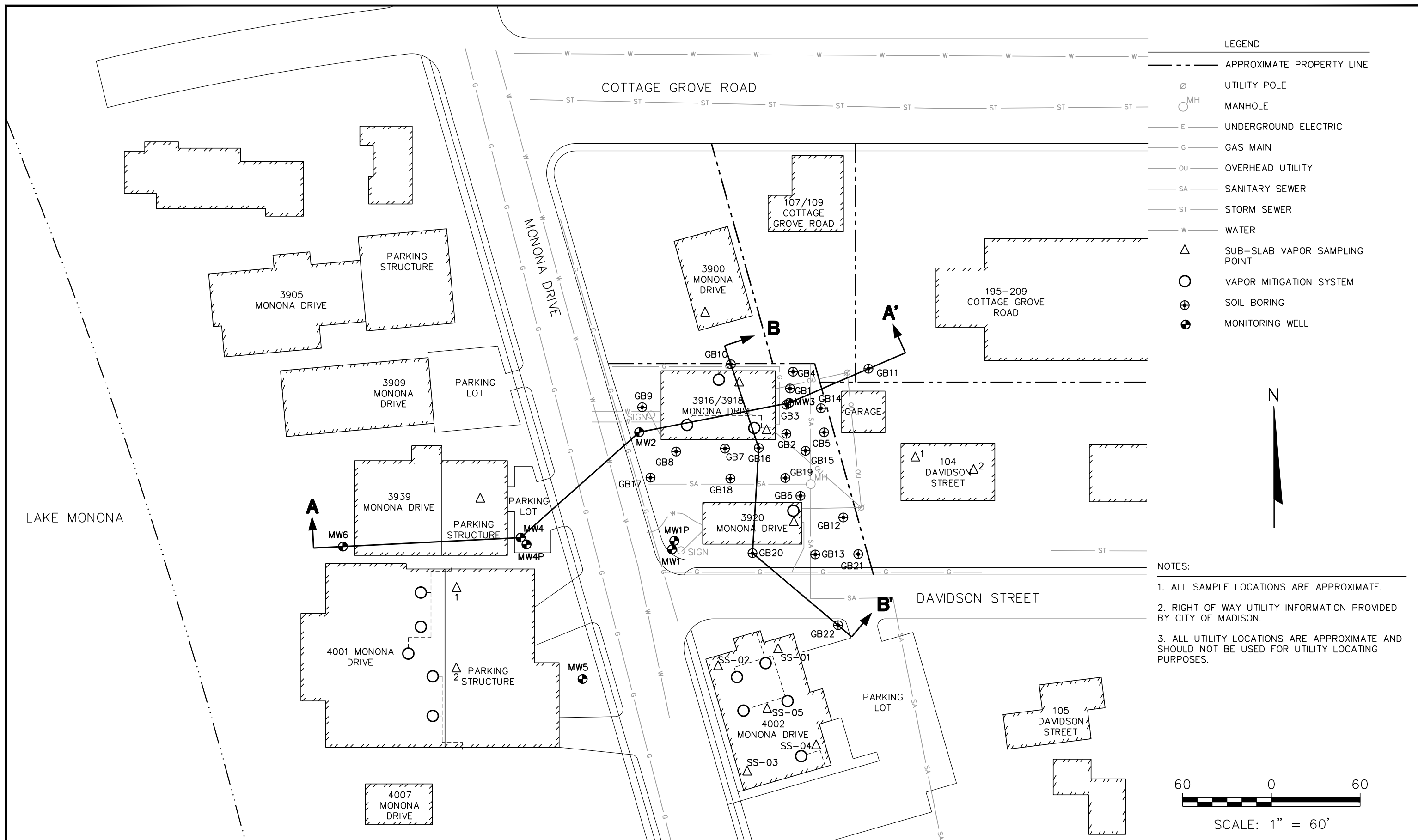
Checked by: LMH

Date: 10/1/2020

Proj Mgr QA/QC: REL

Date: 10/1/2020

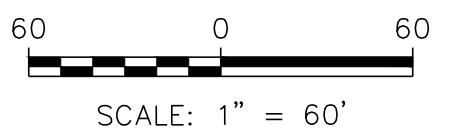
I:\2325\Reports\Case Closure\Revised Case Closure\[A.6 Water Level Elevations.xls]levels



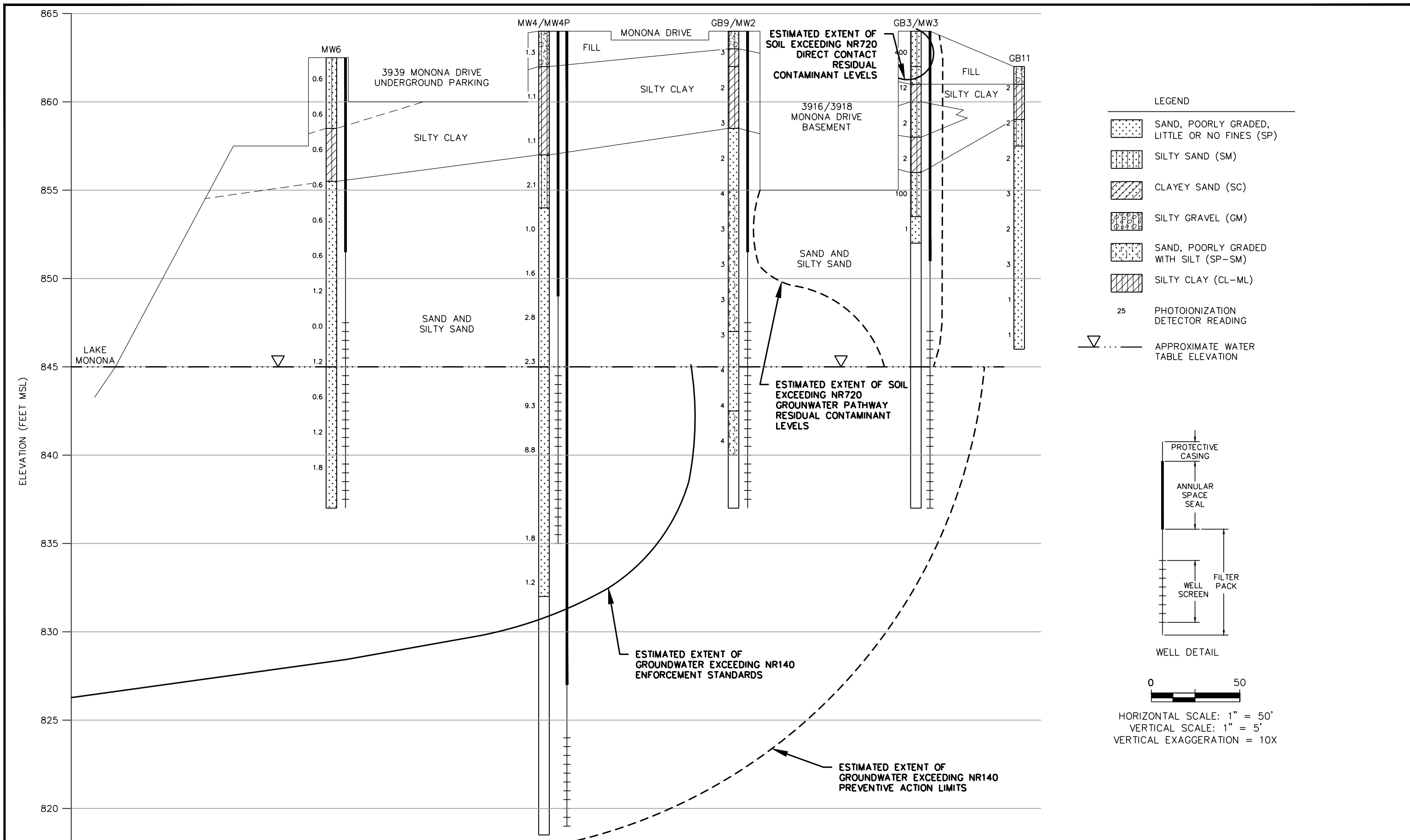
LEGEND

---	APPROXIMATE PROPERTY LINE
∅	UTILITY POLE
○	MANHOLE
—E—	UNDERGROUND ELECTRIC
—G—	GAS MAIN
—OU—	OVERHEAD UTILITY
—SA—	SANITARY SEWER
—ST—	STORM SEWER
—W—	WATER
△	SUB-SLAB VAPOR SAMPLING POINT
○	VAPOR MITIGATION SYSTEM
⊕	SOIL BORING
⊙	MONITORING WELL

- NOTES:**
1. ALL SAMPLE LOCATIONS ARE APPROXIMATE.
 2. RIGHT OF WAY UTILITY INFORMATION PROVIDED BY CITY OF MADISON.
 3. ALL UTILITY LOCATIONS ARE APPROXIMATE AND SHOULD NOT BE USED FOR UTILITY LOCATING PURPOSES.



PROJECT NO. 25211232.51	DRAWN BY: KP/JMO	<p>2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830</p>	<p>RALPH STINSON 4218 GREEN AVENUE MADISON, WI 53704</p>	<p>CLASSIC CLEANERS 3918 MONONA DRIVE MADISON, WI</p>	<p>GEOLOGIC CROSS SECTION LOCATION MAP</p>	FIGURE
DRAWN: 01/06/04	CHECKED BY: REL					B.3.a.1
REVISED: 12/19/19	APPROVED BY: REL 02/25/2020					



PROJECT NO.	25211232.51	DRAWN BY:	KP/JMO
DRAWN:	01/06/04	CHECKED BY:	REL
REVISED:	12/19/19	APPROVED BY:	REL 02/25/2020

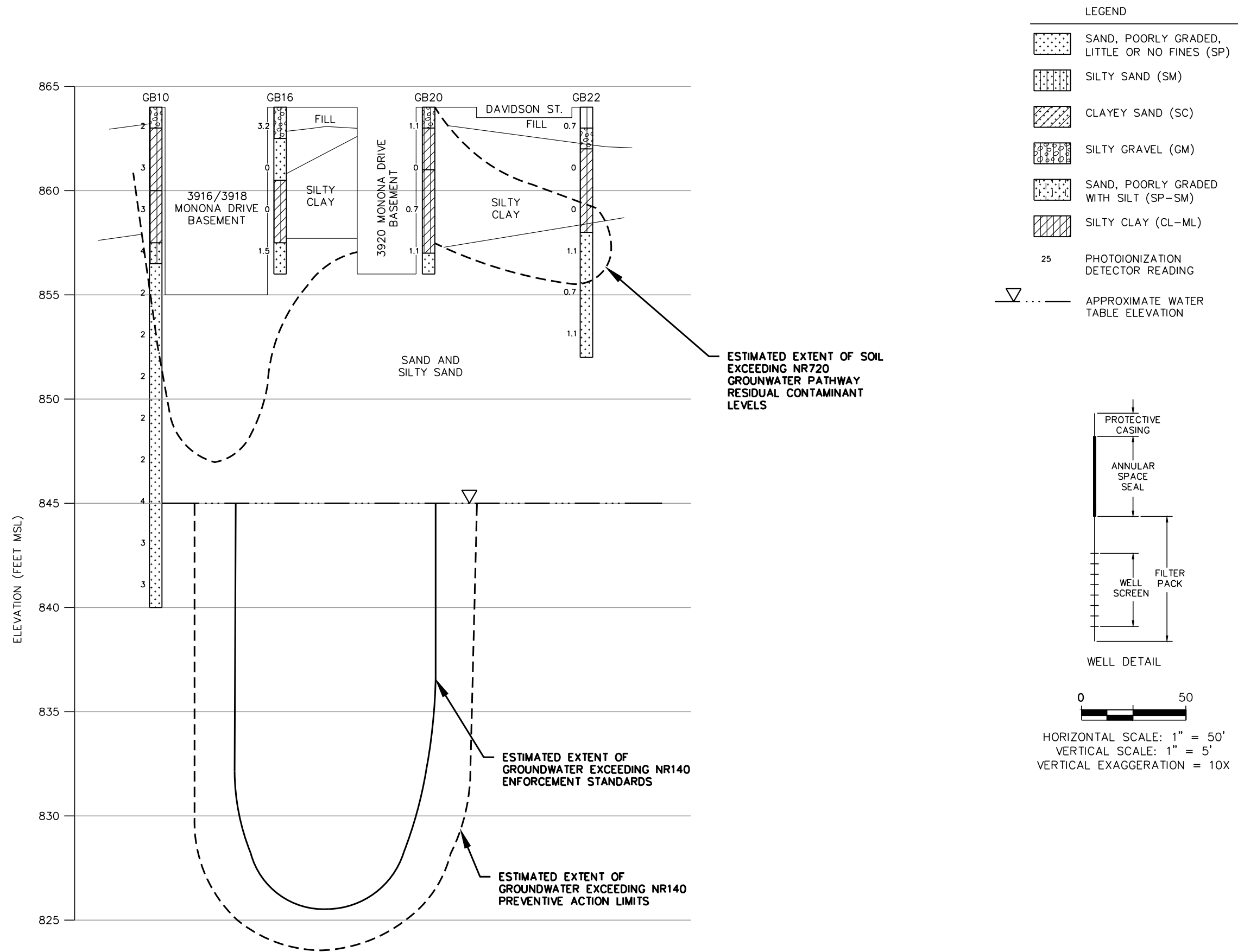
SCS ENGINEERS
 2830 DAIRY DRIVE MADISON, WI 53718-6751
 PHONE: (608) 224-2830

CLIENT
 RALPH STINSON
 4218 GREEN AVENUE
 MADISON, WI 53704

SITE
 CLASSIC CLEANERS
 3918 MONONA DRIVE
 MADISON, WI

FIGURE
 GEOLOGIC CROSS SECTION A-A'
 B.3.a.2

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PROJECT NO.	25211232.51	DRAWN BY:	KP/JMO
DRAWN:	01/06/04	CHECKED BY:	REL
REVISED:	12/19/19	APPROVED BY:	REL 02/25/2020

ENGINEER

SCS ENGINEERS

2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

CLIENT

RALPH STINSON
4218 GREEN AVENUE
MADISON, WI 53704

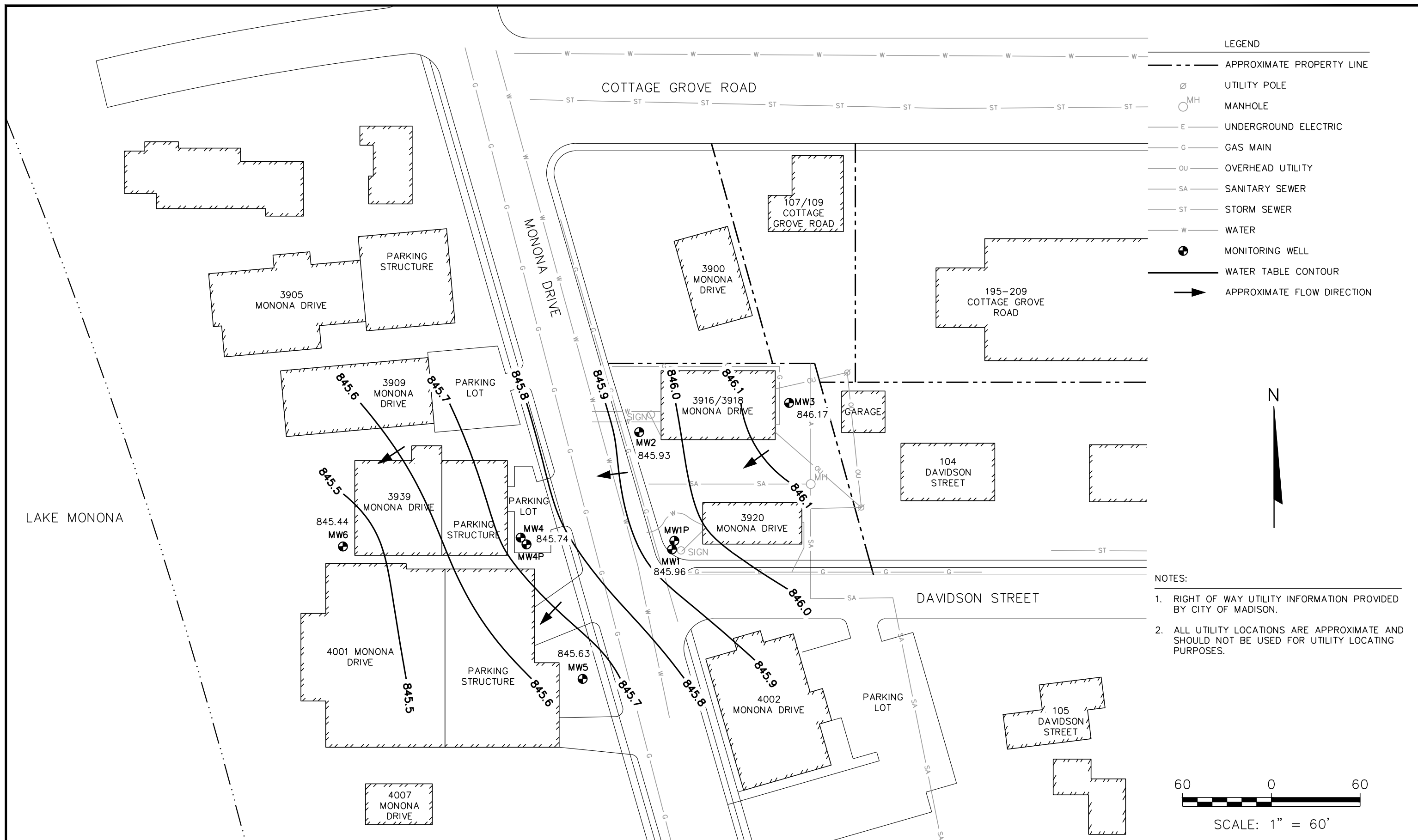
SITE

CLASSIC CLEANERS
3918 MONONA DRIVE
MADISON, WI

GEOLOGIC CROSS SECTION B-B'

FIGURE
B.3.a.3

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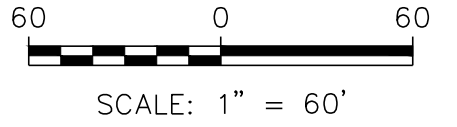


LEGEND

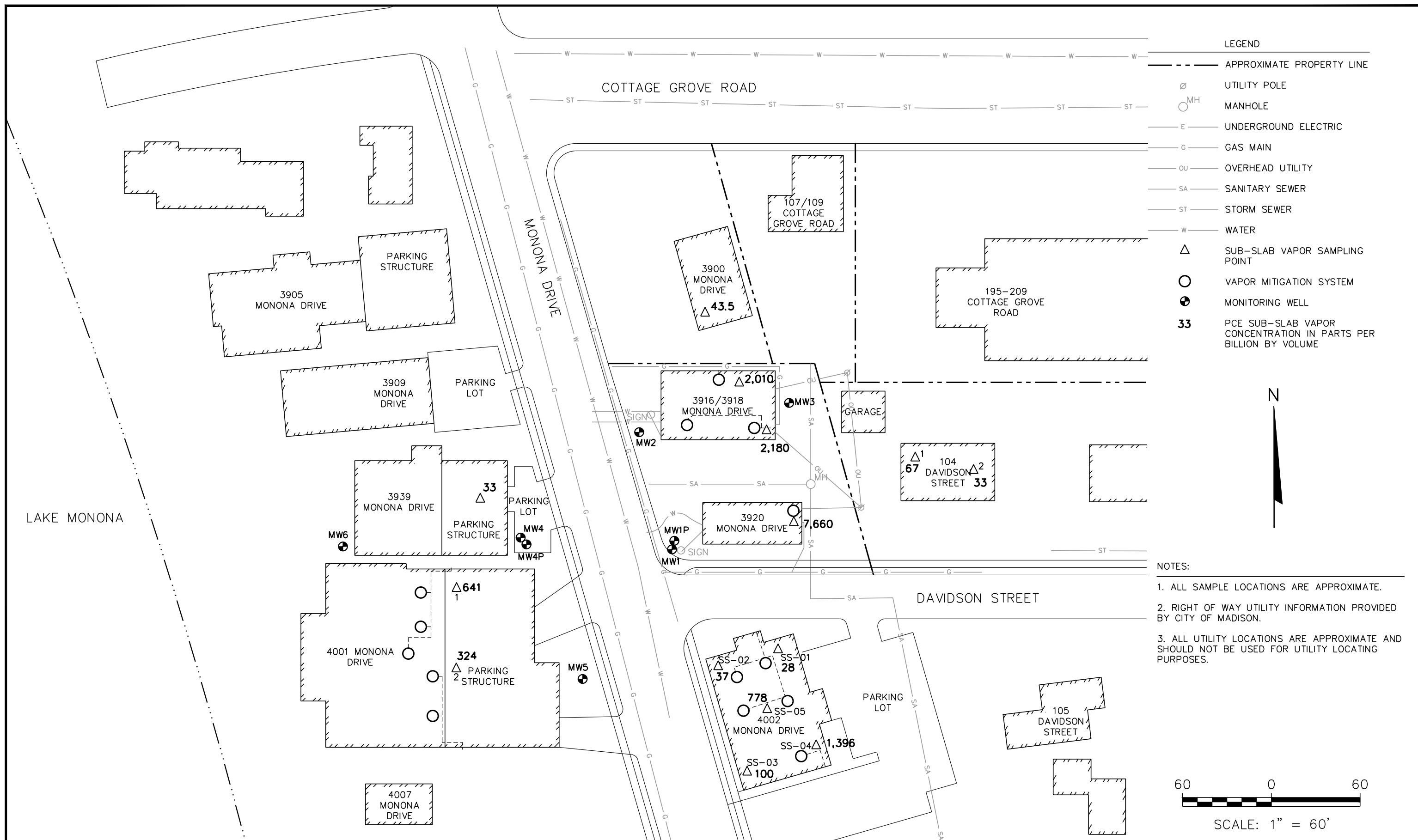
- APPROXIMATE PROPERTY LINE
- Ø UTILITY POLE
- ^{MH} MANHOLE
- E — UNDERGROUND ELECTRIC
- G — GAS MAIN
- OU — OVERHEAD UTILITY
- SA — SANITARY SEWER
- ST — STORM SEWER
- W — WATER
- ⊕ MONITORING WELL
- WATER TABLE CONTOUR
- ➔ APPROXIMATE FLOW DIRECTION



- NOTES:
1. RIGHT OF WAY UTILITY INFORMATION PROVIDED BY CITY OF MADISON.
 2. ALL UTILITY LOCATIONS ARE APPROXIMATE AND SHOULD NOT BE USED FOR UTILITY LOCATING PURPOSES.



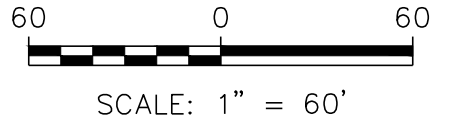
PROJECT NO. 25211232.51	DRAWN BY: KP/JMO	SCS ENGINEERS 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830	CLIENT RALPH STINSON 4218 GREEN AVENUE MADISON, WI 53704	SITE CLASSIC CLEANERS 3918 MONONA DRIVE MADISON, WI	GROUNDWATER FLOW DIRECTION	FIGURE
DRAWN: 01/06/04	CHECKED BY: REL					B.3.c
REVISED: 12/19/19	APPROVED BY: REL 02/25/2020					



LEGEND	
---	APPROXIMATE PROPERTY LINE
∅	UTILITY POLE
○	MANHOLE
—E—	UNDERGROUND ELECTRIC
—G—	GAS MAIN
—OU—	OVERHEAD UTILITY
—SA—	SANITARY SEWER
—ST—	STORM SEWER
—W—	WATER
△	SUB-SLAB VAPOR SAMPLING POINT
○	VAPOR MITIGATION SYSTEM
●	MONITORING WELL
33	PCE SUB-SLAB VAPOR CONCENTRATION IN PARTS PER BILLION BY VOLUME




- NOTES:
1. ALL SAMPLE LOCATIONS ARE APPROXIMATE.
 2. RIGHT OF WAY UTILITY INFORMATION PROVIDED BY CITY OF MADISON.
 3. ALL UTILITY LOCATIONS ARE APPROXIMATE AND SHOULD NOT BE USED FOR UTILITY LOCATING PURPOSES.



PROJECT NO. 25211232.51	DRAWN BY: KP/JMO	 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830	CLIENT RALPH STINSON 4218 GREEN AVENUE MADISON, WI 53704	SITE CLASSIC CLEANERS 3918 MONONA DRIVE MADISON, WI	VAPOR INTRUSION MAP	FIGURE
DRAWN: 01/06/04	CHECKED BY: REL					B.4.a
REVISED: 12/19/19	APPROVED BY: REL 02/25/2020					

Appendix C
Ivertech Phase 2 ESA



**Limited Phase II Environmental Site Assessment
3900 Monona Drive
City of Madison
Dane County, WI**

June 24, 2020

**Prepared for:
Krupp-Grove Family Limited Partnership**

**Prepared by:
IverTech LLC
2880 Jonathan Circle
Madison, Wisconsin
(608) 273-3751**

IverTech Project Number C 8108A



IVERTECH LLC

June 24, 2020

Mr. Joe Krupp
Krupp-Grove Family Limited Partnership

Re: Limited Phase II Environmental Site Assessment
3900 Monona Drive
City of Madison
Dane County, WI

Dear Mr. Krupp:

IverTech LLC has completed Limited Phase II Environmental Site Assessment Activity (ESA) for the referenced Property. The work was completed as part of environmental due diligence under your direction.

The report finds there were no contaminants exceeding regulatory standards identified at the Property at the locations sampled. As such, there is insufficient reason to recommend further investigation at this time.

Thank you for the opportunity to be of service.

Sincerely,
IverTech LLC



Dennis L. Iverson
Environmental Professional

IverTech LLC
2880 Jonathan Circle
Madison, WI 53711

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3900 Monona Drive
City of Madison
Dane County, WI**

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**Limited Phase II Environmental Site Assessment
3900 Monona Drive
City of Madison
Dane County, WI**

**SECTION 1.0
INTRODUCTION**

1.1 Background and Purpose

IverTech LLC (IverTech) has completed limited Phase II Environmental Site Assessment (ESA) activity for a parcel of land located at 3900 Monona Drive, City of Madison, Dane County, Wisconsin. See Appendix A for site location maps. For the purpose of this document the parcel will be referred to as the Property. The Property is currently owned by James E. Malcheski. Krupp-Grove Family Limited Partnership is considering purchase of the Property for redevelopment.

IverTech completed a Phase I ESA report for the Property May 26, 2020. The report was completed for the Krupp-Grove Family Limited Partnership. The report concluded three *recognized environmental condition (REC)* were identified with the Property. The identified RECs included:

- REC 1-Lack of defining the nature and extent of soil impact associated with historic LUST (Leaking Underground Storage Tanks) system releases to soils on the Property.
- REC 2-Historic Phase II ESA soil sampling activity (2006) along the northern Property boundary associated with highway upgrading activity revealed an apparent exceedance of gasoline related contaminants to soils near the Property line that were not investigated as recommended in the report.
- REC 3-The former dry cleaning site located on the parcel to the south has documented dry cleaning solvent (PCE) soil and groundwater contamination that, according to investigation reports appear to have extended a short distance on the Property, the extent of which was not defined.

The report concluded that additional environmental investigation activity to address the identified RECs was appropriate.

1.2 Scope of Services

The following workscope for IverTech was agreed upon:

- **Task 1-Work Plan-IverTech** would develop a work plan to identify the specific locations and depth of soil probes in the areas of interest.
- **Task 2-Utility Clearance**
- **Task 3-Obtain Bids** for subsurface investigation work
- **Task 4-Provide oversight** of soil and groundwater sampling activity
- **Task 5-Data Analysis and Report of Findings**

SECTION 2.0 LIMITED PHASE II ACTIVITY

2.1 Task 1-Work Plan

The work plan consisted of identifying sampling locations and sampling depths. There were four areas of investigation identified.

- Area 1 includes the location of a former underground fuel oil tank and a waste oil tank located off the southeast corner of the building on the Property. Historic sampling activity included limited soil sampling in the tank cavities at the time of tank removal in 1992. Fuel oil impact (440 mg/kg DRO) was identified the fuel oil tank area but there was no sampling activity to determine the depth of impact or if groundwater had been impacted. Soil sampling in the native underlying soils (about 6-10 feet) (GP-1) and sampling of groundwater for petroleum products was proposed in the Plan. While there did not appear to be gasoline or fuel oil impact identified with the removal of the waste oil tank (other than a 18.7 mg/kg Total Recoverable Petroleum Hydrocarbon on the east end of the tank cavity) there was no sampling for possible chlorinated organics in soils or groundwater that may have been associated with potential parts washing operations at the time the Property was used as an automotive repair and maintenance business. Soil sampling of underlying native soils and groundwater in the tank area was proposed (GP-2) to include a full range of volatile organics.
- Area 2 includes a southern portion of the Property where dry cleaning solvent (PCE) investigation activity conducted on the parcel to the south identified a possible extent of impact reaching onto the Property near the midpoint of the southern boundary. There was no soil or groundwater sampling activity on the Property to verify this possibility. A soil probe (GP-3) was proposed to sample both shallow soil (4-8 feet) and groundwater and analyze for a full range of volatile organics (VOC) to include PCE.
- Area 3 includes the former LUST area where elevated concentrations of gasoline parameters (GRO) were identified in shallow soils in the area of the east fueling island (63,000 mg/kg) and the west fueling island (8,300 mg/kg). The release was reportedly caused by above grade spillage. However there was limited information in past investigation work and closure reports about the extent of impact and if remediation activity was successful as closure related soil sampling

was apparently not taken in this area as part of closure activity. Soil probes were proposed in the two areas of impact (GP-4 and GP-5) and a groundwater sample was collected beneath the area of highest impact at the east fueling island (GP-4).

- Area 4 is the area along the northern boundary where limited Phase II ESA soil investigation activity was conducted in 2006 as part of upgrading of Monona Drive and Cottage Grove Road. The activity revealed an exceedance of standards for a soil sample collected at the 6-8 foot interval located near the midpoint of the north boundary of the Property in the Cottage Grove Road right of way. The Phase II ESA report recommended further investigation which apparently was not conducted. A soil probe (GP-6) was proposed to extend to 10 feet with sampling for petroleum parameters at the 6-9 foot interval.

2.2 Task 3 and 4 Soil Contractor Bids and Utility Clearance

IverTech obtained three bids from local direct push contractors. Soil Essentials was found to be the best choice to do the work. Soil Essentials provided notification for Digger's Hotline and IverTech subcontracted the services of GLC to conduct private locate activity.

2.3 Task 4-Site Investigation Oversight and Sampling

Dennis Iverson of IverTech LLC provided oversight of soil and groundwater sampling activity on June 15, 2020. The locations of the sampling points are presented on IverTech Figure 1 in Appendix B. The following summarized activity completed.

In general, the soil profile consisted of 4-5 feet of native clay over fine silty sand extending to 20 feet. Groundwater was generally identified at about 15 feet. Soil boring logs are presented in Appendix C.

- GP-1 was advanced to 20 feet. There was no obvious indication of impacted soil (no odor, no discoloration) noted. A soil sample was collected in the 5-10 foot interval and a groundwater sample was obtained. The samples were to be analyzed for fuel oil parameters (PVOC plus naphthalene).
- GP-2 was advanced to 20 feet. There was no obvious sign of impacted soil (no odor, no discoloration) noted. A soil sample was collected from the 5-10 foot interval and a groundwater sample was obtained. The samples were to be analyzed for volatile organic compounds (VOC).
- GP-3 was advanced to 20 feet. There was no obvious sign of impacted soil (no odor, no discoloration) noted. A soil sample was collected from the 4-8 foot interval and a groundwater sample was obtained. The samples were to be analyzed for volatile organic compounds (VOC).
- GP-4 was advanced to 20 feet. There was no obvious indication of impacted soil (no odor, no discoloration) noted. Soil samples were collected in the 2-4 foot

interval and the 6-8 foot interval, and a groundwater sample was obtained. The samples were to be analyzed for gasoline parameters (PVOC plus naphthalene).

- GP-5 was advanced to 10 feet. Soil samples were collected in the 2-4 foot interval, the 6-8 foot interval. The samples were to be analyzed for gasoline related parameters (PVOC plus naphthalene).
- GP-6 was advanced to the 10 foot depth. There was no obvious indication of impact (no odor or discoloration). A soil sample was collected in the 6-8 foot interval. The sample was to be analyzed for gasoline related parameters (PVOC plus naphthalene).

The samples were shipped under chain of custody standards to PACE Analytical in Green Bay for analysis.

SECTION 3.0

TASK 5-DATA ANALYSIS AND REPORT OF FINDINGS

The laboratory results for the samples analyzed for the selected parameters are presented in Appendix D. The results of investigation activity are summarized as follows:

Area 1 Former Underground Fuel Oil and Waste Oil Tanks

The sampling at the former fuel oil tank area was conducted because soil impacted with fuel oil was identified at low level in the tank cavity when the tank was removed but there was no sampling deeper to determine the extent of soil impact and determine if groundwater had been impacted. Based on the sampling results for petroleum parameters (PVOC plus Naphthalene) at GP-1), there was no soil or groundwater impact identified. The location of the fuel oil tank was obtained from historic investigation activity reports.

The soil sampling from the tank bed when the waste oil tank was removed only included petroleum parameters. It did not include sampling for chlorinated organics which may have been present since parts washing solvents may have been used as part of the historic automobile repair business on the Property. The sampling of soil (GP-2) at the likely depth of the underground tank bed and the groundwater beneath the tank did not identify VOC contaminants. The location of the tank was obtained from earlier investigation reports.

Area 2 Potential Impact of Dry Cleaning Solvent From Dry Cleaner Site to South

A review of investigation activity for the former dry cleaner site to the south revealed that dry cleaning solvent (PCE) impact may have extended onto the Property near the midpoint of the southern boundary of the Property. To address this issue, shallow soil and groundwater sampling for VOCs at the GP-3 location was conducted. There was no

VOC impact identified. The location of the sample was based on file information obtained from DNR records.

Area 3 Site investigation in the Former LUST Area

Site investigation conducted in the former LUST area of the Property identified elevated gasoline related soil impact the southern fueling island. There was limited soil sampling activity conducted in the fueling island area to define extent of impact and there was limited soil sampling activity following remediation at the site to determine if the impact had been addressed at time of closure. As such, soil probes GP-4 and GP-5 were advanced in the area of highest impact (locations obtained from historic investigation activity) at shallow and intermediate depth and groundwater was sampled for PVOC plus naphthalene at the location of the highest contaminant reading.

The results of the soil and groundwater sampling did not identify contaminants in the areas sampled.

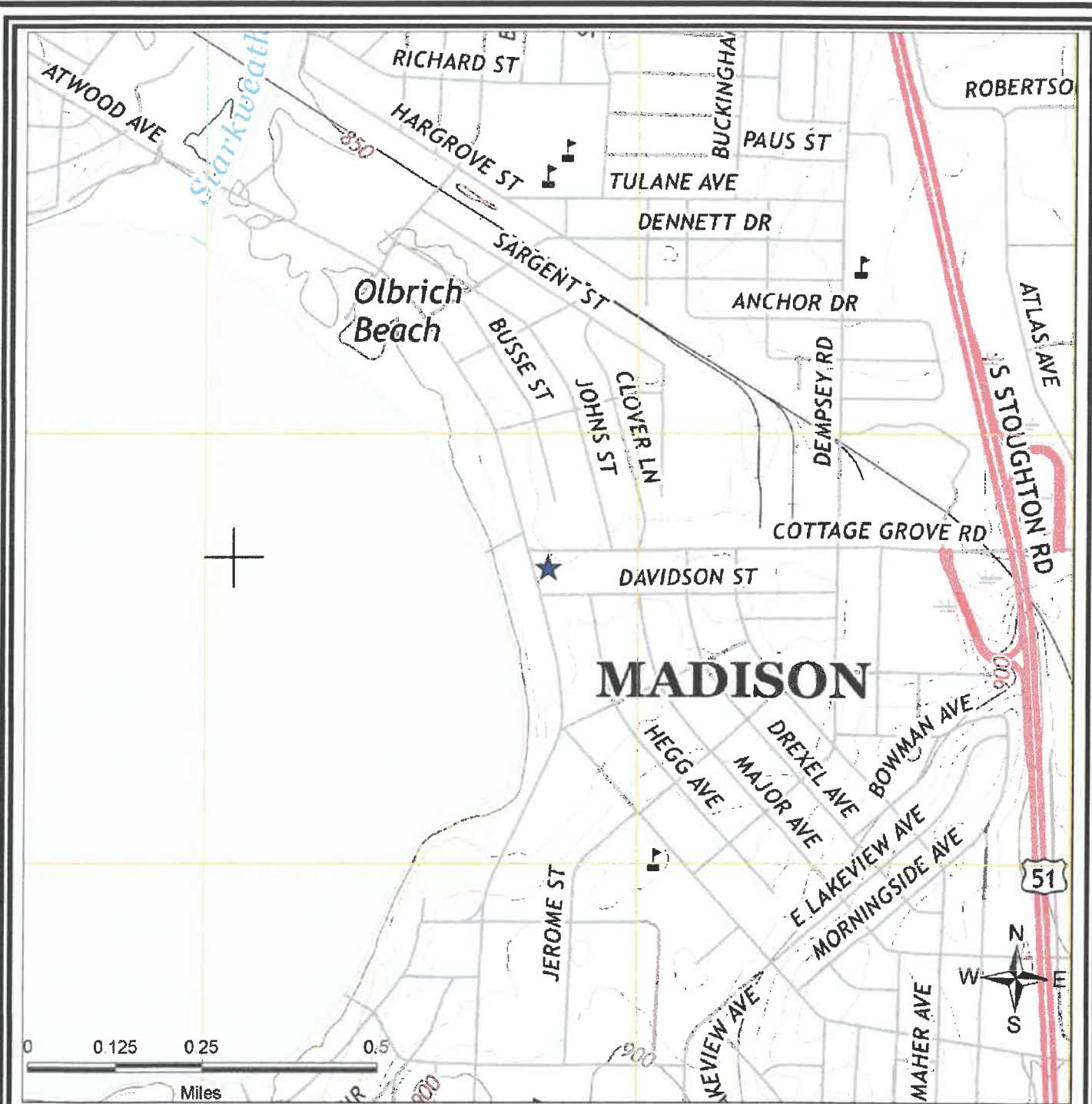
Area 4 Sampling Along the Northern Boundary of Property

Soil sampling conducted as part of a Phase II ESA for the Cottage Grove Road and Monona Drive upgrading project in 2006 identified gasoline related impact along the northern Property line but off the Property. The Phase II ESA report recommended further investigation which apparently was not conducted. As such, Area 4 sampling included advancing a soil probe (GP-6) in the area of the previous sample but on the Property. The soil sampling did not identify gasoline related impact (PVOC plus Naphthalene) in the sample analyzed.

SECTION 4.0 RECOMMENDATIONS

Based on the samples analyzed from the locations sampled for the parameters selected we find that contaminants were not identified at the Property. Based on this finding, there is insufficient reason to recommend further investigation activity at the Property at this time.

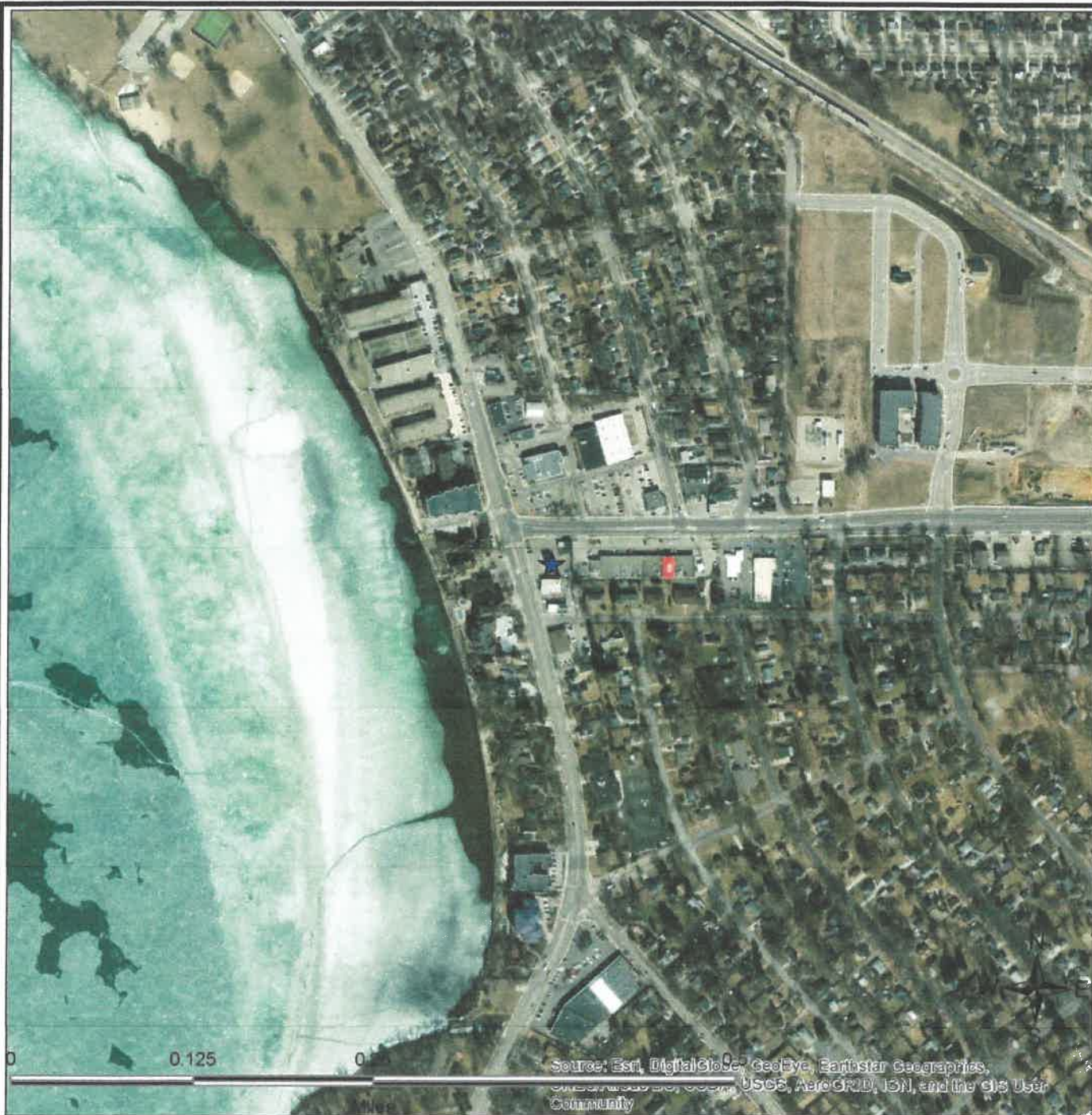
APPENDIX A
LOCATION INFORMATION



SITE LOCATION TOPOGRAPHIC MAP

U.S. Geological Survey. Madison East (2016-06-27) Quadrangle, 7.5 Minute Series

Ivertch LLC.	3900 Monona Drive Madison, WI 53716	FIGURE: 1 JOB: C 8101 DATE: 5/14/2020
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SITE LOCATION MAP

Ivertch LLC.

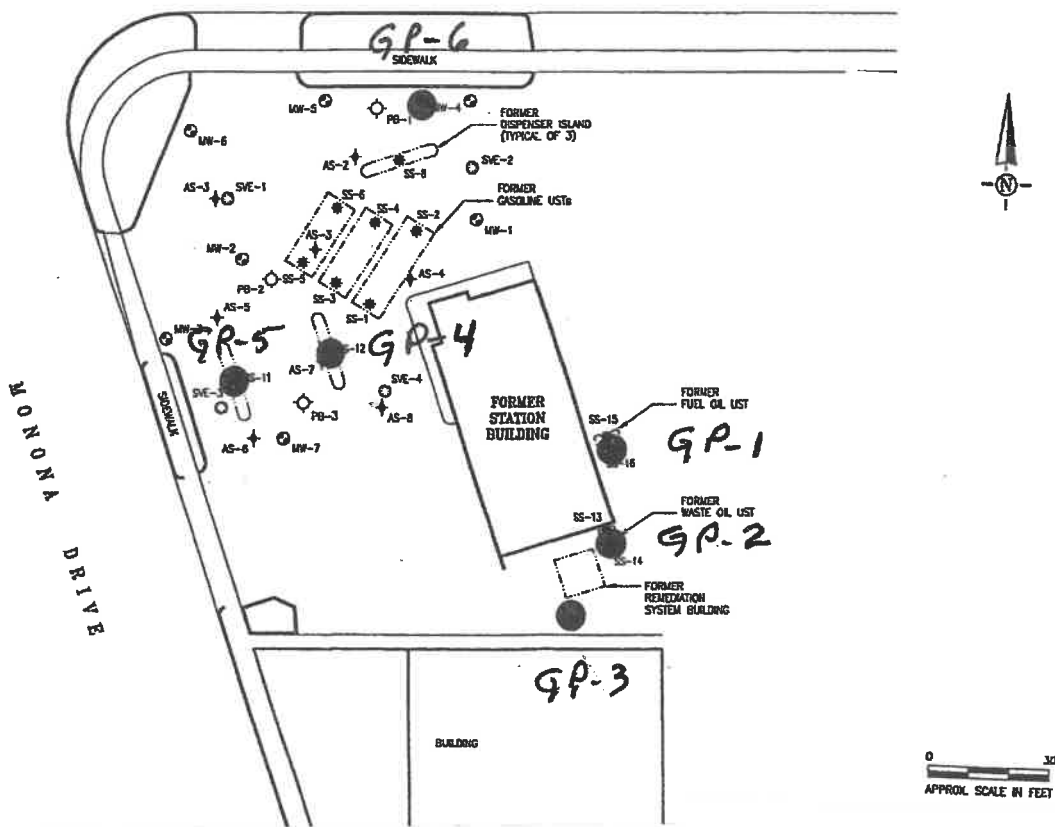
3900 Monona Drive
Madison, WI 53716

FIGURE: 2
JOB: C 8101
DATE: 5/14/2020

APPENDIX B

IVERTECH FIGURE 1

COTTAGE GROVE ROAD



BASE MAP PROVIDED BY HANDEX FIGURE 2 JUNE 16, 1999

● GP-1 LOCATION OF SOIL AND GROUNDWATER PROBE

REF.	IverTech LLC	Site and Probe Location Map			FIGURE NO. 1
		LIMITED PHASE II ESA			
			3900 Monona Drive		
			Madison, WI		
	DRAWN	CHECKED	APPROVED	DATE	PROJECT NO.
			DLI	6/18/2020	C 8808

APPENDIX C
SOIL BORING LOGS

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

Page 1 of 1

Facility/Project Name <u>3900 MONONA DRIVE</u>		License/Permit/Monitoring Number	Boring Number <u>SP-1</u>
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: _____ Last Name: _____		Date Drilling Started <u>06.15.2020</u>	Date Drilling Completed <u>06.15.2020</u>
Plan: WI Unique Well No. _____ DNR Well ID No. _____ Well Name _____		Final Static Water Level _____ Feet MSL	Surface Elevation _____ Feet MSL
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane _____ N, _____ E		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of _____ 1/4 of Section _____ T _____ N, R _____		Lat _____ Long _____	
Facility ID _____	County <u>DANE</u>	County Code <u>LS</u>	Civil Town/City/Village <u>MADISON</u>

Sample Number and Type	Length At. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Soil Properties					FOIDY Comments	
								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
				PAVEMENT & GRAVEL										
				GRAVELLY FILL										
				REDDISH CLAY										
				SILTY CLAY FILL										
				BROWN SILTY SAND										
				"										
				"										
				END OF PROBE BACKFILLED WITH BENTONITE										

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature [Signature] Firm IVERTECH LLC

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in 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 this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

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

Page 1 of 1

Facility/Project Name 2900 MONONA DRIVE		License/Permit/Monitoring Number		Boring Number GP-2	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Last Name:		Date Drilling Started 06.15.2020	Date Drilling Completed 06.15.2020	Drilling Method DP	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 2 inches
Local Grid Origin State Plane (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		Local Grid Location		Local Grid Location	
1/4 of Section T N, R		Lat 0 0		Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County DANE	County Code L3	Civil Town/City or Village MADISON	

Sample Number and Type	Length At. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PIB/PTD	Soil Properties					P 200	RDV Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index			
				BLACK TOP AND GRAVELLY FILL	5			N		M					
	5		5-10	LIGHT BROWN SILTY SAND	10			N		M					
16				DARK BROWN SILTY SAND	15			N		M					
				END OF PROBE BACK FILLED WITH BOUNDITE	20					W					

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature: [Signature] Firm: IVONTRELL LLC

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

Page 1 of 1

Facility/Project Name <u>2900 MONONA DRIVE</u>		License/Permit/Monitoring Number	Boring Number <u>GP-3</u>
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: _____ Last Name: _____		Date Drilling Started M-'YY'YYYY	Date Drilling Completed M-'YY'YYYY
Firm: WI Unique Well No. _____ DNR Well ID No. _____ Well Name _____		Final Static Water Level Feet MSL	Surface Elevation Feet MSL
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane _____ N, _____ E		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	
Facility ID _____		County <u>DANE</u>	Civil Town/City/Village <u>MADISON</u>

Sample Number and Type	Length At. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Soil Properties					RQD Comments	
								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
				PAVEMENT & GRAVEL										
				REDDISH BROWN CLAY	5						M			
	4-8	5		LIGHT BROWN SILTY SAND	10						M			
	15	5'	5		15						W			
				END OF PROBE BACKFILLED WITH BENTONITE	20									

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature [Signature] Firm INTEGRATECH LLC

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in 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 this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

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

Page 1 of 1

Facility/Project Name 3900 MONONA DRIVE		License/Permit/Monitoring Number		Boring Number GP-4	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Last Name:		Date Drilling Started 06/15/2020	Date Drilling Completed 06/15/2020	Drilling Method DP	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 2 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		Local Grid Location		<input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
State Plane N, E		Lat 0, 1, 2		Long 0, 1, 2	
1/4 of 1/4 of Section T, N, R		County DANE		County Code	
Facility ID		Civil Town/City/Village MAISON			

Sample Number and Type	Length At. & Recovered (in)	Blow Counts	Depth in Feet (Before ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PIPING	Soil Properties					P 200	RQD Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index			
①	2-4			PAVEMENT & GRAVEL SANDY FILL						M					
				REDDISH CLAY	5					M					
②	6-8			DARK BROWN SILTY SAND						M					
				LIGHT BROWN SILTY SAND	10					M					
				SAND	15					W					
				END OF PROBE BACKFILLER WITH BENTONITE	20										

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

Signature: [Signature] Firm: IVERTECH LLC

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

Page 1 of 1

Facility/Project Name <u>3900 MOMONA DRIVE</u>		License/Permit/Monitoring Number	Boring Number <u>GP-5</u>
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: _____ Last Name: _____ Firm: _____		Date Drilling Started <u>02.15.2020</u>	Date Drilling Completed <u>06.18.2020</u>
Drilling Method <u>DP</u>	WI Unique Well No.	DNR Well ID No.	Well Name
Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter <u>2</u> inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		Local Grid Location	
State Plane <u>N</u> , _____ E		Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of _____ 1/4 of Section _____ T _____ N, R _____		Lat _____ Long _____	
Facility ID	County <u>DANE</u>	County Code	Civil Town/City/ or Village <u>MADISON</u>

Sample Number and Type	Length Air. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PIE/PT/PO	Soil Properties					P 200	RQDV Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index			
			2-5	BLACKTOP GRAVEL LIGHT BROWN SAND FILL?				N		M					
				REDISH CLAY				N		M					
				REDISH SILTY SAND				N		M					
			6-8	LIGHT BROWN SILTY SAND				N		M					
				END OF PROB & BACKFILL WITH BENTONITE				N		M					

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature Dennis [Signature] Firm 10052724 LLC

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

Page 1 of 1

Facility/Project Name 2900 MONONA DRIVE		License/Permit/Monitoring Number		Boring Number GP-6	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Last Name:		Date Drilling Started 06/15/2000	Date Drilling Completed 06/15/2000	Drilling Method DP	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 2 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane N, E		Local Grid Location Lat 0, Long 0		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of 1/4 of Section T N, R		County DAVIS	County Code 13	Civil Town/City/Village MADISON	

Sample Number and Type	Length An. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Soil Properties					ROD Comments		
								PROBED	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index		P 200	
			5	BLACKTOP & GRAVEL				2							
			6-9	LIGHT BROWN SILTY SAND				2							
			10	LIGHT BROWN SILTY SAND				2							
			15	END OF PROBE											
			20												

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature: Dennis Jensen Firm: LUENGLICH LLC

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APPENDIX D
ANALYTICAL DATA

June 23, 2020

Dennis Iverson
IVERTECH, LLC.
2880 Jonathan Circle
Madison, WI 53711

RE: Project: C8108 MONONA
Pace Project No.: 40209655

Dear Dennis Iverson:


Enclosed are the analytical results for sample(s) received by the laboratory on June 17, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: C8108 MONONA

Pace Project No.: 40209655

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: C8108 MONONA
Pace Project No.: 40209655

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40209655001	GP-6 6-9	Solid	06/15/20 11:45	06/17/20 09:10
40209655002	GP-1	Water	06/15/20 09:00	06/17/20 09:10
40209655003	GP-1	Solid	06/15/20 09:00	06/17/20 09:10
40209655004	GP-2	Water	06/15/20 09:30	06/17/20 09:10
40209655005	GP-2	Solid	06/15/20 09:30	06/17/20 09:10
40209655006	GP-3	Water	06/15/20 10:00	06/17/20 09:10
40209655007	GP-3	Solid	06/15/20 10:00	06/17/20 09:10
40209655008	GP-4	Water	06/15/20 11:00	06/17/20 09:10
40209655009	GP-4 6-8	Solid	06/15/20 11:00	06/17/20 09:10
40209655010	GP-4 2-4	Solid	06/15/20 11:00	06/17/20 09:10
40209655011	GP-5 2-5	Solid	06/15/20 11:30	06/17/20 09:10
40209655012	GP-5 6-8	Solid	06/15/20 11:30	06/17/20 09:10
40209655013	GP-6 2-5	Solid	06/15/20 11:45	06/17/20 09:10
40209655014	TRIP BLANK	Water	06/15/20 00:00	06/17/20 09:10

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SAMPLE ANALYTE COUNT

Project: C8108 MONONA
Pace Project No.: 40209655

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40209655001	GP-6 6-9	EPA 8260	MDS	12	PASI-G
		ASTM D2974-87	VGC	1	PASI-G
40209655002	GP-1	EPA 8260	SMT	12	PASI-G
40209655003	GP-1	EPA 8260	MDS	12	PASI-G
		ASTM D2974-87	VGC	1	PASI-G
40209655004	GP-2	EPA 8260	HNW	64	PASI-G
40209655005	GP-2	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	VGC	1	PASI-G
40209655006	GP-3	EPA 8260	HNW	64	PASI-G
40209655007	GP-3	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	VGC	1	PASI-G
40209655008	GP-4	EPA 8260	SMT	12	PASI-G
40209655009	GP-4 6-8	EPA 8260	MDS	12	PASI-G
		ASTM D2974-87	VGC	1	PASI-G
40209655010	GP-4 2-4	EPA 8260	MDS	12	PASI-G
		ASTM D2974-87	VGC	1	PASI-G
40209655011	GP-5 2-5	EPA 8260	MDS	12	PASI-G
		ASTM D2974-87	VGC	1	PASI-G
40209655012	GP-5 6-8	EPA 8260	MDS	12	PASI-G
		ASTM D2974-87	VGC	1	PASI-G
40209655013	GP-6 2-5	EPA 8260	MDS	12	PASI-G
		ASTM D2974-87	VGC	1	PASI-G
40209655014	TRIP BLANK	EPA 8260	HNW	64	PASI-G

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: C8108 MONONA
Pace Project No.: 40209655

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40209655001	GP-6 6-9					
ASTM D2974-87	Percent Moisture	19.3	%	0.10	06/22/20 11:30	
40209655002	GP-1					
EPA 8260	Toluene	0.35J	ug/L	0.90	06/19/20 22:04	
40209655003	GP-1					
ASTM D2974-87	Percent Moisture	20.6	%	0.10	06/22/20 11:30	
40209655005	GP-2					
ASTM D2974-87	Percent Moisture	13.9	%	0.10	06/22/20 11:30	
40209655007	GP-3					
ASTM D2974-87	Percent Moisture	8.8	%	0.10	06/22/20 11:30	
40209655008	GP-4					
EPA 8260	Toluene	0.30J	ug/L	0.90	06/19/20 22:52	
40209655009	GP-4 6-8					
ASTM D2974-87	Percent Moisture	21.0	%	0.10	06/22/20 11:30	
40209655010	GP-4 2-4					
ASTM D2974-87	Percent Moisture	16.0	%	0.10	06/22/20 11:30	
40209655011	GP-5 2-5					
ASTM D2974-87	Percent Moisture	9.4	%	0.10	06/22/20 11:30	
40209655012	GP-5 6-8					
ASTM D2974-87	Percent Moisture	21.1	%	0.10	06/22/20 11:30	
40209655013	GP-6 2-5					
ASTM D2974-87	Percent Moisture	6.3	%	0.10	06/22/20 11:30	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: C8108 MONONA

Pace Project No.: 40209655

Sample: GP-6 6-9 **Lab ID: 40209655001** Collected: 06/15/20 11:45 Received: 06/17/20 09:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 16:06	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 16:06	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 16:06	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	06/19/20 09:00	06/19/20 16:06	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 16:06	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 16:06	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 16:06	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	06/19/20 09:00	06/19/20 16:06	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 16:06	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	104	%	58-145		1	06/19/20 09:00	06/19/20 16:06	1868-53-7	
4-Bromofluorobenzene (S)	95	%	52-137		1	06/19/20 09:00	06/19/20 16:06	460-00-4	
Toluene-d8 (S)	98	%	56-140		1	06/19/20 09:00	06/19/20 16:06	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	19.3	%	0.10	0.10	1		06/22/20 11:30		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: C8108 MONONA

Pace Project No.: 40209655

Sample: GP-1 **Lab ID: 40209655002** Collected: 06/15/20 09:00 Received: 06/17/20 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		06/19/20 22:04	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		06/19/20 22:04	100-41-4	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		06/19/20 22:04	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		06/19/20 22:04	91-20-3	
Toluene	0.35J	ug/L	0.90	0.27	1		06/19/20 22:04	108-88-3	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		06/19/20 22:04	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		06/19/20 22:04	108-67-8	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		06/19/20 22:04	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		06/19/20 22:04	95-47-6	
Surrogates									
Dibromofluoromethane (S)	111	%	70-130		1		06/19/20 22:04	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		06/19/20 22:04	2037-26-5	
4-Bromofluorobenzene (S)	83	%	70-130		1		06/19/20 22:04	460-00-4	

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ANALYTICAL RESULTS

Project: C8108 MONONA
Pace Project No.: 40209655

Sample: GP-1 **Lab ID: 40209655003** Collected: 06/15/20 09:00 Received: 06/17/20 09:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 16:23	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 16:23	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 16:23	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	06/19/20 09:00	06/19/20 16:23	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 16:23	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 16:23	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 16:23	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	06/19/20 09:00	06/19/20 16:23	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 16:23	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	117	%	58-145		1	06/19/20 09:00	06/19/20 16:23	1868-53-7	
4-Bromofluorobenzene (S)	106	%	52-137		1	06/19/20 09:00	06/19/20 16:23	460-00-4	
Toluene-d8 (S)	109	%	56-140		1	06/19/20 09:00	06/19/20 16:23	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	20.6	%	0.10	0.10	1		06/22/20 11:30		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: C8108 MONONA
Pace Project No.: 40209655

Sample: GP-2 **Lab ID: 40209655004** Collected: 06/15/20 09:30 Received: 06/17/20 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		06/19/20 13:16	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/19/20 13:16	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		06/19/20 13:16	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		06/19/20 13:16	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/19/20 13:16	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/19/20 13:16	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		06/19/20 13:16	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		06/19/20 13:16	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		06/19/20 13:16	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		06/19/20 13:16	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		06/19/20 13:16	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		06/19/20 13:16	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		06/19/20 13:16	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		06/19/20 13:16	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		06/19/20 13:16	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		06/19/20 13:16	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		06/19/20 13:16	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		06/19/20 13:16	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		06/19/20 13:16	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		06/19/20 13:16	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		06/19/20 13:16	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		06/19/20 13:16	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		06/19/20 13:16	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		06/19/20 13:16	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		06/19/20 13:16	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		06/19/20 13:16	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		06/19/20 13:16	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		06/19/20 13:16	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		06/19/20 13:16	74-83-9	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		06/19/20 13:16	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		06/19/20 13:16	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		06/19/20 13:16	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		06/19/20 13:16	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		06/19/20 13:16	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		06/19/20 13:16	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		06/19/20 13:16	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		06/19/20 13:16	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		06/19/20 13:16	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		06/19/20 13:16	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		06/19/20 13:16	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		06/19/20 13:16	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		06/19/20 13:16	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		06/19/20 13:16	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		06/19/20 13:16	91-20-3	
Styrene	<3.0	ug/L	10.0	3.0	1		06/19/20 13:16	100-42-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: C8108 MONONA
Pace Project No.: 40209655

Sample: GP-2 **Lab ID: 40209655004** Collected: 06/15/20 09:30 Received: 06/17/20 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/19/20 13:16	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		06/19/20 13:16	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		06/19/20 13:16	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		06/19/20 13:16	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		06/19/20 13:16	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		06/19/20 13:16	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		06/19/20 13:16	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		06/19/20 13:16	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		06/19/20 13:16	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		06/19/20 13:16	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		06/19/20 13:16	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		06/19/20 13:16	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		06/19/20 13:16	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		06/19/20 13:16	98-06-6	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		06/19/20 13:16	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		06/19/20 13:16	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		1		06/19/20 13:16	460-00-4	
Dibromofluoromethane (S)	81	%	70-130		1		06/19/20 13:16	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		06/19/20 13:16	2037-26-5	

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ANALYTICAL RESULTS

Project: C8108 MONONA
Pace Project No.: 40209655

Sample: GP-2 **Lab ID: 40209655005** Collected: 06/15/20 09:30 Received: 06/17/20 09:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 13:55	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	06/19/20 09:30	06/19/20 13:55	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	06/19/20 09:30	06/19/20 13:55	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 13:55	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 13:55	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	06/19/20 09:30	06/19/20 13:55	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	06/19/20 09:30	06/19/20 13:55	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 13:55	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	06/19/20 09:30	06/19/20 13:55	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 13:55	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 13:55	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	06/19/20 09:30	06/19/20 13:55	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	06/19/20 09:30	06/19/20 13:55	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	06/19/20 09:30	06/19/20 13:55	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	06/19/20 09:30	06/19/20 13:55	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	06/19/20 09:30	06/19/20 13:55	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	06/19/20 09:30	06/19/20 13:55	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	06/19/20 09:30	06/19/20 13:55	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 13:55	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 13:55	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 13:55	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 13:55	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 13:55	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 13:55	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 13:55	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 13:55	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 13:55	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 13:55	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	06/19/20 09:30	06/19/20 13:55	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 13:55	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 13:55	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 13:55	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 13:55	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	06/19/20 09:30	06/19/20 13:55	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	06/19/20 09:30	06/19/20 13:55	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 13:55	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 13:55	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	06/19/20 09:30	06/19/20 13:55	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 13:55	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 13:55	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	06/19/20 09:30	06/19/20 13:55	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 13:55	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	06/19/20 09:30	06/19/20 13:55	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 13:55	103-65-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: C8108 MONONA
Pace Project No.: 40209655

Sample: GP-2 **Lab ID: 40209655005** Collected: 06/15/20 09:30 Received: 06/17/20 09:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 13:55	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 13:55	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 13:55	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	06/19/20 09:30	06/19/20 13:55	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 13:55	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	06/19/20 09:30	06/19/20 13:55	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	06/19/20 09:30	06/19/20 13:55	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 13:55	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 13:55	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 13:55	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	06/19/20 09:30	06/19/20 13:55	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	06/19/20 09:30	06/19/20 13:55	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 13:55	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 13:55	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 13:55	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	06/19/20 09:30	06/19/20 13:55	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 13:55	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	106	%	58-145		1	06/19/20 09:30	06/19/20 13:55	1868-53-7	
Toluene-d8 (S)	108	%	56-140		1	06/19/20 09:30	06/19/20 13:55	2037-26-5	
4-Bromofluorobenzene (S)	102	%	52-137		1	06/19/20 09:30	06/19/20 13:55	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	13.9	%	0.10	0.10	1		06/22/20 11:30		

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ANALYTICAL RESULTS

Project: C8108 MONONA

Pace Project No.: 40209655

Sample: GP-3 **Lab ID: 40209655006** Collected: 06/15/20 10:00 Received: 06/17/20 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		06/19/20 13:38	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/19/20 13:38	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		06/19/20 13:38	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		06/19/20 13:38	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/19/20 13:38	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/19/20 13:38	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		06/19/20 13:38	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		06/19/20 13:38	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		06/19/20 13:38	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		06/19/20 13:38	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		06/19/20 13:38	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		06/19/20 13:38	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		06/19/20 13:38	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		06/19/20 13:38	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		06/19/20 13:38	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		06/19/20 13:38	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		06/19/20 13:38	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		06/19/20 13:38	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		06/19/20 13:38	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		06/19/20 13:38	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		06/19/20 13:38	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		06/19/20 13:38	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		06/19/20 13:38	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		06/19/20 13:38	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		06/19/20 13:38	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		06/19/20 13:38	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		06/19/20 13:38	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		06/19/20 13:38	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		06/19/20 13:38	74-83-9	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		06/19/20 13:38	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		06/19/20 13:38	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		06/19/20 13:38	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		06/19/20 13:38	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		06/19/20 13:38	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		06/19/20 13:38	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		06/19/20 13:38	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		06/19/20 13:38	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		06/19/20 13:38	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		06/19/20 13:38	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		06/19/20 13:38	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		06/19/20 13:38	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		06/19/20 13:38	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		06/19/20 13:38	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		06/19/20 13:38	91-20-3	
Styrene	<3.0	ug/L	10.0	3.0	1		06/19/20 13:38	100-42-5	

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ANALYTICAL RESULTS

Project: C8108 MONONA
Pace Project No.: 40209655

Sample: GP-3 **Lab ID: 40209655006** Collected: 06/15/20 10:00 Received: 06/17/20 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/19/20 13:38	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		06/19/20 13:38	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		06/19/20 13:38	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		06/19/20 13:38	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		06/19/20 13:38	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		06/19/20 13:38	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		06/19/20 13:38	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		06/19/20 13:38	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		06/19/20 13:38	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		06/19/20 13:38	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		06/19/20 13:38	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		06/19/20 13:38	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		06/19/20 13:38	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		06/19/20 13:38	98-06-6	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		06/19/20 13:38	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		06/19/20 13:38	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	70-130		1		06/19/20 13:38	460-00-4	HS
Dibromofluoromethane (S)	70	%	70-130		1		06/19/20 13:38	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		06/19/20 13:38	2037-26-5	

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ANALYTICAL RESULTS

Project: C8108 MONONA
Pace Project No.: 40209655

Sample: GP-3 **Lab ID: 40209655007** Collected: 06/15/20 10:00 Received: 06/17/20 09:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:28	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	06/19/20 09:30	06/19/20 14:28	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	06/19/20 09:30	06/19/20 14:28	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:28	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 14:28	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	06/19/20 09:30	06/19/20 14:28	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	06/19/20 09:30	06/19/20 14:28	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 14:28	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	06/19/20 09:30	06/19/20 14:28	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:28	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:28	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	06/19/20 09:30	06/19/20 14:28	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	06/19/20 09:30	06/19/20 14:28	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	06/19/20 09:30	06/19/20 14:28	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	06/19/20 09:30	06/19/20 14:28	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	06/19/20 09:30	06/19/20 14:28	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	06/19/20 09:30	06/19/20 14:28	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	06/19/20 09:30	06/19/20 14:28	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:28	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:28	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:28	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:28	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:28	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 14:28	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:28	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:28	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:28	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:28	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	06/19/20 09:30	06/19/20 14:28	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:28	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:28	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:28	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:28	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	06/19/20 09:30	06/19/20 14:28	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	06/19/20 09:30	06/19/20 14:28	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:28	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:28	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	06/19/20 09:30	06/19/20 14:28	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:28	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 14:28	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	06/19/20 09:30	06/19/20 14:28	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:28	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	06/19/20 09:30	06/19/20 14:28	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:28	103-65-1	W

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ANALYTICAL RESULTS

Project: C8108 MONONA
Pace Project No.: 40209655

Sample: GP-3 **Lab ID: 40209655007** Collected: 06/15/20 10:00 Received: 06/17/20 09:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:28	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:28	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:28	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	06/19/20 09:30	06/19/20 14:28	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:28	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	06/19/20 09:30	06/19/20 14:28	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	06/19/20 09:30	06/19/20 14:28	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:28	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:28	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:28	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	06/19/20 09:30	06/19/20 14:28	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	06/19/20 09:30	06/19/20 14:28	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:28	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:28	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:28	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	06/19/20 09:30	06/19/20 14:28	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:28	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	113	%	58-145		1	06/19/20 09:30	06/19/20 14:28	1868-53-7	
Toluene-d8 (S)	112	%	56-140		1	06/19/20 09:30	06/19/20 14:28	2037-26-5	
4-Bromofluorobenzene (S)	106	%	52-137		1	06/19/20 09:30	06/19/20 14:28	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	8.8	%	0.10	0.10	1		06/22/20 11:30		

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ANALYTICAL RESULTS

Project: C8108 MONONA

Pace Project No.: 40209655

Sample: GP-4 **Lab ID: 40209655008** Collected: 06/15/20 11:00 Received: 06/17/20 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		06/19/20 22:52	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		06/19/20 22:52	100-41-4	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		06/19/20 22:52	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		06/19/20 22:52	91-20-3	
Toluene	0.30J	ug/L	0.90	0.27	1		06/19/20 22:52	108-88-3	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		06/19/20 22:52	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		06/19/20 22:52	108-67-8	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		06/19/20 22:52	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		06/19/20 22:52	95-47-6	
Surrogates									
Dibromofluoromethane (S)	110	%	70-130		1		06/19/20 22:52	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		06/19/20 22:52	2037-26-5	
4-Bromofluorobenzene (S)	86	%	70-130		1		06/19/20 22:52	460-00-4	

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ANALYTICAL RESULTS

Project: C8108 MONONA

Pace Project No.: 40209655

Sample: GP-4 6-8 **Lab ID: 40209655009** Collected: 06/15/20 11:00 Received: 06/17/20 09:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 16:40	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 16:40	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 16:40	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	06/19/20 09:00	06/19/20 16:40	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 16:40	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 16:40	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 16:40	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	06/19/20 09:00	06/19/20 16:40	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 16:40	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	116	%	58-145		1	06/19/20 09:00	06/19/20 16:40	1868-53-7	
4-Bromofluorobenzene (S)	102	%	52-137		1	06/19/20 09:00	06/19/20 16:40	460-00-4	
Toluene-d8 (S)	108	%	56-140		1	06/19/20 09:00	06/19/20 16:40	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	21.0	%	0.10	0.10	1		06/22/20 11:30		

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ANALYTICAL RESULTS

Project: C8108 MONONA

Pace Project No.: 40209655

Sample: GP-4 2-4 **Lab ID: 40209655010** Collected: 06/15/20 11:00 Received: 06/17/20 09:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 16:57	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 16:57	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 16:57	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	06/19/20 09:00	06/19/20 16:57	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 16:57	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 16:57	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 16:57	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	06/19/20 09:00	06/19/20 16:57	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 16:57	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	115	%	58-145		1	06/19/20 09:00	06/19/20 16:57	1868-53-7	
4-Bromofluorobenzene (S)	101	%	52-137		1	06/19/20 09:00	06/19/20 16:57	460-00-4	
Toluene-d8 (S)	106	%	56-140		1	06/19/20 09:00	06/19/20 16:57	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	16.0	%	0.10	0.10	1		06/22/20 11:30		

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ANALYTICAL RESULTS

Project: C8108 MONONA
Pace Project No.: 40209655

Sample: GP-5 2-5 **Lab ID: 40209655011** Collected: 06/15/20 11:30 Received: 06/17/20 09:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 17:14	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 17:14	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 17:14	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	06/19/20 09:00	06/19/20 17:14	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 17:14	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 17:14	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 17:14	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	06/19/20 09:00	06/19/20 17:14	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 17:14	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	122	%	58-145		1	06/19/20 09:00	06/19/20 17:14	1868-53-7	
4-Bromofluorobenzene (S)	110	%	52-137		1	06/19/20 09:00	06/19/20 17:14	460-00-4	
Toluene-d8 (S)	112	%	56-140		1	06/19/20 09:00	06/19/20 17:14	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	9.4	%	0.10	0.10	1		06/22/20 11:30		

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ANALYTICAL RESULTS

Project: C8108 MONONA
Pace Project No.: 40209655

Sample: GP-5 6-8 **Lab ID: 40209655012** Collected: 06/15/20 11:30 Received: 06/17/20 09:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 17:31	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 17:31	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 17:31	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	06/19/20 09:00	06/19/20 17:31	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 17:31	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 17:31	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 17:31	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	06/19/20 09:00	06/19/20 17:31	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 17:31	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	110	%	58-145		1	06/19/20 09:00	06/19/20 17:31	1868-53-7	
4-Bromofluorobenzene (S)	99	%	52-137		1	06/19/20 09:00	06/19/20 17:31	460-00-4	
Toluene-d8 (S)	106	%	56-140		1	06/19/20 09:00	06/19/20 17:31	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	21.1	%	0.10	0.10	1		06/22/20 11:30		

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ANALYTICAL RESULTS

Project: C8108 MONONA
Pace Project No.: 40209655

Sample: GP-6 2-5 **Lab ID: 40209655013** Collected: 06/15/20 11:45 Received: 06/17/20 09:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 17:48	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 17:48	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 17:48	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	06/19/20 09:00	06/19/20 17:48	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 17:48	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 17:48	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 17:48	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	06/19/20 09:00	06/19/20 17:48	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:00	06/19/20 17:48	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	113	%	58-145		1	06/19/20 09:00	06/19/20 17:48	1868-53-7	
4-Bromofluorobenzene (S)	100	%	52-137		1	06/19/20 09:00	06/19/20 17:48	460-00-4	
Toluene-d8 (S)	106	%	56-140		1	06/19/20 09:00	06/19/20 17:48	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	6.3	%	0.10	0.10	1		06/22/20 11:30		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: C8108 MONONA

Pace Project No.: 40209655

Sample: TRIP BLANK **Lab ID: 40209655014** Collected: 06/15/20 00:00 Received: 06/17/20 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		06/19/20 17:33	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		06/19/20 17:33	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		06/19/20 17:33	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		06/19/20 17:33	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		06/19/20 17:33	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		06/19/20 17:33	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		06/19/20 17:33	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		06/19/20 17:33	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		06/19/20 17:33	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		06/19/20 17:33	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		06/19/20 17:33	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		06/19/20 17:33	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		06/19/20 17:33	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		06/19/20 17:33	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		06/19/20 17:33	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		06/19/20 17:33	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		06/19/20 17:33	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		06/19/20 17:33	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		06/19/20 17:33	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		06/19/20 17:33	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		06/19/20 17:33	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		06/19/20 17:33	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		06/19/20 17:33	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		06/19/20 17:33	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		06/19/20 17:33	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		06/19/20 17:33	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		06/19/20 17:33	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		06/19/20 17:33	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		06/19/20 17:33	74-83-9	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		06/19/20 17:33	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		06/19/20 17:33	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		06/19/20 17:33	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		06/19/20 17:33	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		06/19/20 17:33	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		06/19/20 17:33	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		06/19/20 17:33	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		06/19/20 17:33	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		06/19/20 17:33	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		06/19/20 17:33	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		06/19/20 17:33	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		06/19/20 17:33	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		06/19/20 17:33	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		06/19/20 17:33	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		06/19/20 17:33	91-20-3	
Styrene	<3.0	ug/L	10.0	3.0	1		06/19/20 17:33	100-42-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: C8108 MONONA
Pace Project No.: 40209655

Sample: TRIP BLANK **Lab ID: 40209655014** Collected: 06/15/20 00:00 Received: 06/17/20 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		06/19/20 17:33	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		06/19/20 17:33	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		06/19/20 17:33	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		06/19/20 17:33	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		06/19/20 17:33	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		06/19/20 17:33	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		06/19/20 17:33	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		06/19/20 17:33	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		06/19/20 17:33	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		06/19/20 17:33	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		06/19/20 17:33	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		06/19/20 17:33	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		06/19/20 17:33	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		06/19/20 17:33	98-06-6	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		06/19/20 17:33	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		06/19/20 17:33	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	83	%	70-130		1		06/19/20 17:33	460-00-4	HS
Dibromofluoromethane (S)	85	%	70-130		1		06/19/20 17:33	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		06/19/20 17:33	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: C8108 MONONA
Pace Project No.: 40209655

QC Batch: 358157 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40209655005, 40209655007

METHOD BLANK: 2071772 Matrix: Solid

Associated Lab Samples: 40209655005, 40209655007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<7.8	50.0	06/19/20 09:55	
1,1,1-Trichloroethane	ug/kg	<13.5	50.0	06/19/20 09:55	
1,1,2,2-Tetrachloroethane	ug/kg	<15.7	52.0	06/19/20 09:55	
1,1,2-Trichloroethane	ug/kg	<15.7	52.0	06/19/20 09:55	
1,1-Dichloroethane	ug/kg	<13.5	50.0	06/19/20 09:55	
1,1-Dichloroethene	ug/kg	<11.8	50.0	06/19/20 09:55	
1,1-Dichloropropene	ug/kg	<10.7	50.0	06/19/20 09:55	
1,2,3-Trichlorobenzene	ug/kg	<47.3	158	06/19/20 09:55	
1,2,3-Trichloropropane	ug/kg	<37.4	125	06/19/20 09:55	
1,2,4-Trichlorobenzene	ug/kg	<41.7	250	06/19/20 09:55	
1,2,4-Trimethylbenzene	ug/kg	<18.1	60.0	06/19/20 09:55	
1,2-Dibromo-3-chloropropane	ug/kg	<237	789	06/19/20 09:55	
1,2-Dibromoethane (EDB)	ug/kg	<17.0	57.0	06/19/20 09:55	
1,2-Dichlorobenzene	ug/kg	<13.1	50.0	06/19/20 09:55	
1,2-Dichloroethane	ug/kg	<13.8	50.0	06/19/20 09:55	
1,2-Dichloropropane	ug/kg	<13.5	50.0	06/19/20 09:55	
1,3,5-Trimethylbenzene	ug/kg	<16.0	53.0	06/19/20 09:55	
1,3-Dichlorobenzene	ug/kg	<13.0	50.0	06/19/20 09:55	
1,3-Dichloropropane	ug/kg	<11.0	50.0	06/19/20 09:55	
1,4-Dichlorobenzene	ug/kg	<12.0	50.0	06/19/20 09:55	
2,2-Dichloropropane	ug/kg	<15.7	52.0	06/19/20 09:55	
2-Chlorotoluene	ug/kg	<19.3	64.0	06/19/20 09:55	
4-Chlorotoluene	ug/kg	<19.3	64.0	06/19/20 09:55	
Benzene	ug/kg	<12.5	42.0	06/19/20 09:55	
Bromobenzene	ug/kg	<18.5	62.0	06/19/20 09:55	
Bromochloromethane	ug/kg	<20.9	70.0	06/19/20 09:55	
Bromodichloromethane	ug/kg	<10.0	50.0	06/19/20 09:55	
Bromoform	ug/kg	<21.6	72.0	06/19/20 09:55	
Bromomethane	ug/kg	<63.8	250	06/19/20 09:55	
Carbon tetrachloride	ug/kg	<7.5	50.0	06/19/20 09:55	
Chlorobenzene	ug/kg	<16.8	56.0	06/19/20 09:55	
Chloroethane	ug/kg	<46.4	250	06/19/20 09:55	
Chloroform	ug/kg	<47.5	250	06/19/20 09:55	
Chloromethane	ug/kg	<24.0	80.0	06/19/20 09:55	
cis-1,2-Dichloroethene	ug/kg	<14.8	50.0	06/19/20 09:55	
cis-1,3-Dichloropropene	ug/kg	<42.3	141	06/19/20 09:55	
Dibromochloromethane	ug/kg	<229	763	06/19/20 09:55	
Dibromomethane	ug/kg	<17.7	59.0	06/19/20 09:55	
Dichlorodifluoromethane	ug/kg	<21.7	72.0	06/19/20 09:55	
Diisopropyl ether	ug/kg	<14.0	50.0	06/19/20 09:55	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: C8108 MONONA

Pace Project No.: 40209655

METHOD BLANK: 2071772

Matrix: Solid

Associated Lab Samples: 40209655005, 40209655007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<14.5	50.0	06/19/20 09:55	
Hexachloro-1,3-butadiene	ug/kg	<68.7	229	06/19/20 09:55	
Isopropylbenzene (Cumene)	ug/kg	<17.7	59.0	06/19/20 09:55	
m&p-Xylene	ug/kg	<32.4	108	06/19/20 09:55	
Methyl-tert-butyl ether	ug/kg	<16.2	54.0	06/19/20 09:55	
Methylene Chloride	ug/kg	<26.3	88.0	06/19/20 09:55	
n-Butylbenzene	ug/kg	<30.0	100	06/19/20 09:55	
n-Propylbenzene	ug/kg	<17.8	59.0	06/19/20 09:55	
Naphthalene	ug/kg	<27.3	91.0	06/19/20 09:55	
o-Xylene	ug/kg	<18.1	60.0	06/19/20 09:55	
p-Isopropyltoluene	ug/kg	<21.7	72.0	06/19/20 09:55	
sec-Butylbenzene	ug/kg	<21.5	72.0	06/19/20 09:55	
Styrene	ug/kg	<12.3	50.0	06/19/20 09:55	
tert-Butylbenzene	ug/kg	<18.7	62.0	06/19/20 09:55	
Tetrachloroethene	ug/kg	<38.7	129	06/19/20 09:55	
Toluene	ug/kg	<13.1	50.0	06/19/20 09:55	
trans-1,2-Dichloroethene	ug/kg	<20.2	67.0	06/19/20 09:55	
trans-1,3-Dichloropropene	ug/kg	<22.2	74.0	06/19/20 09:55	
Trichloroethene	ug/kg	<12.8	50.0	06/19/20 09:55	
Trichlorofluoromethane	ug/kg	<19.6	65.0	06/19/20 09:55	
Vinyl chloride	ug/kg	<14.5	50.0	06/19/20 09:55	
4-Bromofluorobenzene (S)	%	97	52-137	06/19/20 09:55	
Dibromofluoromethane (S)	%	97	58-145	06/19/20 09:55	
Toluene-d8 (S)	%	100	56-140	06/19/20 09:55	

LABORATORY CONTROL SAMPLE: 2071773

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2530	101	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2450	98	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2370	95	70-130	
1,1-Dichloroethane	ug/kg	2500	2510	100	69-143	
1,1-Dichloroethene	ug/kg	2500	2450	98	73-118	
1,2,4-Trichlorobenzene	ug/kg	2500	2440	98	60-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2100	84	66-130	
1,2-Dibromoethane (EDB)	ug/kg	2500	2430	97	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2470	99	70-130	
1,2-Dichloroethane	ug/kg	2500	2340	94	70-130	
1,2-Dichloropropane	ug/kg	2500	2440	98	78-126	
1,3-Dichlorobenzene	ug/kg	2500	2460	98	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2500	100	70-130	
Benzene	ug/kg	2500	2610	104	70-130	
Bromodichloromethane	ug/kg	2500	2390	96	70-130	
Bromoform	ug/kg	2500	2120	85	67-130	

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QUALITY CONTROL DATA

Project: C8108 MONONA
Pace Project No.: 40209655

LABORATORY CONTROL SAMPLE: 2071773

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/kg	2500	2110	84	45-134	
Carbon tetrachloride	ug/kg	2500	2340	93	70-130	
Chlorobenzene	ug/kg	2500	2410	96	70-130	
Chloroethane	ug/kg	2500	2300	92	58-143	
Chloroform	ug/kg	2500	2490	100	76-122	
Chloromethane	ug/kg	2500	2000	80	45-120	
cis-1,2-Dichloroethene	ug/kg	2500	2460	99	69-130	
cis-1,3-Dichloropropene	ug/kg	2500	2250	90	70-130	
Dibromochloromethane	ug/kg	2500	2190	87	70-130	
Dichlorodifluoromethane	ug/kg	2500	1530	61	26-99	
Ethylbenzene	ug/kg	2500	2530	101	80-120	
Isopropylbenzene (Cumene)	ug/kg	2500	2570	103	70-130	
m&p-Xylene	ug/kg	5000	5110	102	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2410	96	70-130	
Methylene Chloride	ug/kg	2500	2380	95	70-130	
o-Xylene	ug/kg	2500	2540	102	70-130	
Styrene	ug/kg	2500	2570	103	70-130	
Tetrachloroethene	ug/kg	2500	2620	105	70-130	
Toluene	ug/kg	2500	2560	102	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2520	101	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2240	89	70-130	
Trichloroethene	ug/kg	2500	2490	100	70-130	
Trichlorofluoromethane	ug/kg	2500	2350	94	70-128	
Vinyl chloride	ug/kg	2500	2230	89	53-110	
4-Bromofluorobenzene (S)	%			89	52-137	
Dibromofluoromethane (S)	%			90	58-145	
Toluene-d8 (S)	%			92	56-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2071774 2071775

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40209733005	Result	Spike Conc.	MSD Spike Conc.								
1,1,1-Trichloroethane	ug/kg	<25.0	1420	1420	1420	1390	102	98	66-130	4	20		
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1420	1420	1570	1500	111	106	70-133	4	20		
1,1,2-Trichloroethane	ug/kg	<25.0	1420	1420	1420	1420	100	100	70-130	0	20		
1,1-Dichloroethane	ug/kg	<25.0	1420	1420	1420	1380	100	97	69-143	3	20		
1,1-Dichloroethene	ug/kg	<25.0	1420	1420	1230	1200	85	83	58-120	2	20		
1,2,4-Trichlorobenzene	ug/kg	<41.7	1420	1420	1710	1590	119	111	60-130	7	20		
1,2-Dibromo-3-chloropropane	ug/kg	<237	1420	1420	1380	1400	97	99	59-136	1	20		
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1420	1420	1470	1420	103	100	70-130	3	20		
1,2-Dichlorobenzene	ug/kg	<25.0	1420	1420	1610	1560	113	110	70-130	3	20		
1,2-Dichloroethane	ug/kg	<25.0	1420	1420	1400	1300	98	92	70-136	7	20		
1,2-Dichloropropane	ug/kg	<25.0	1420	1420	1420	1440	100	101	78-128	1	20		
1,3-Dichlorobenzene	ug/kg	<25.0	1420	1420	1540	1520	109	107	70-130	1	20		

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QUALITY CONTROL DATA

Project: C8108 MONONA
Pace Project No.: 40209655

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2071774		2071775		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40209733005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,4-Dichlorobenzene	ug/kg	<25.0	1420	1420	1580	1560	111	110	70-130	1	20		
Benzene	ug/kg	<25.0	1420	1420	1500	1490	106	105	70-130	1	20		
Bromodichloromethane	ug/kg	<25.0	1420	1420	1340	1390	95	98	70-130	3	20		
Bromoform	ug/kg	<25.0	1420	1420	1360	1330	96	93	63-130	3	20		
Bromomethane	ug/kg	<63.8	1420	1420	1040	932	73	66	33-146	11	20		
Carbon tetrachloride	ug/kg	<25.0	1420	1420	1340	1340	94	94	65-130	0	20		
Chlorobenzene	ug/kg	<25.0	1420	1420	1460	1440	103	101	70-130	2	20		
Chloroethane	ug/kg	<46.4	1420	1420	1130	1100	79	77	46-156	3	20		
Chloroform	ug/kg	<47.5	1420	1420	1540	1470	108	104	75-130	4	20		
Chloromethane	ug/kg	<25.0	1420	1420	848	827	60	58	20-139	3	20		
cis-1,3-Dichloropropene	ug/kg	<42.3	1420	1420	1340	1350	94	95	70-130	1	20		
Dibromochloromethane	ug/kg	<229	1420	1420	1350	1330	95	94	70-130	1	20		
Dichlorodifluoromethane	ug/kg	<25.0	1420	1420	635	612	45	43	10-99	4	22		
Ethylbenzene	ug/kg	<25.0	1420	1420	1480	1460	104	102	80-120	2	20		
Isopropylbenzene (Cumene)	ug/kg	<25.0	1420	1420	1510	1480	106	104	70-130	2	20		
m&p-Xylene	ug/kg	<50.0	2840	2840	3070	3000	108	105	70-130	2	20		
Methyl-tert-butyl ether	ug/kg	<25.0	1420	1420	1390	1290	98	91	70-130	7	20		
Methylene Chloride	ug/kg	<26.3	1420	1420	1320	1280	93	90	70-136	3	20		
o-Xylene	ug/kg	<25.0	1420	1420	1490	1490	105	105	70-130	0	20		
Styrene	ug/kg	<25.0	1420	1420	1500	1520	105	107	70-130	1	20		
Tetrachloroethene	ug/kg	<38.7	1420	1420	1530	1540	108	108	68-130	0	20		
Toluene	ug/kg	<25.0	1420	1420	1510	1500	107	105	80-120	1	20		
trans-1,2-Dichloroethene	ug/kg	300	1420	1420	1690	1600	98	92	70-130	5	20		
trans-1,3-Dichloropropene	ug/kg	<25.0	1420	1420	1360	1330	96	93	70-130	3	20		
Trichlorofluoromethane	ug/kg	<25.0	1420	1420	1270	1220	89	86	53-128	4	20		
Vinyl chloride	ug/kg	297	1420	1420	1350	1260	74	67	32-118	7	20		
4-Bromofluorobenzene (S)	%						107	107	52-137				
Dibromofluoromethane (S)	%						110	107	58-145				
Toluene-d8 (S)	%						109	109	56-140				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: C8108 MONONA
Pace Project No.: 40209655

QC Batch: 358151 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Short List
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40209655001, 40209655003, 40209655009, 40209655010, 40209655011, 40209655012, 40209655013

METHOD BLANK: 2071704 Matrix: Solid
Associated Lab Samples: 40209655001, 40209655003, 40209655009, 40209655010, 40209655011, 40209655012, 40209655013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<18.1	60.0	06/19/20 11:15	
1,3,5-Trimethylbenzene	ug/kg	<16.0	53.0	06/19/20 11:15	
Benzene	ug/kg	<12.5	42.0	06/19/20 11:15	
Ethylbenzene	ug/kg	<14.5	50.0	06/19/20 11:15	
m&p-Xylene	ug/kg	<32.4	108	06/19/20 11:15	
Methyl-tert-butyl ether	ug/kg	<16.2	54.0	06/19/20 11:15	
Naphthalene	ug/kg	<27.3	91.0	06/19/20 11:15	
o-Xylene	ug/kg	<18.1	60.0	06/19/20 11:15	
Toluene	ug/kg	<13.1	50.0	06/19/20 11:15	
4-Bromofluorobenzene (S)	%	88	52-137	06/19/20 11:15	
Dibromofluoromethane (S)	%	109	58-145	06/19/20 11:15	
Toluene-d8 (S)	%	101	56-140	06/19/20 11:15	

LABORATORY CONTROL SAMPLE: 2071705

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	2500	2330	93	70-130	
Ethylbenzene	ug/kg	2500	2500	100	80-120	
m&p-Xylene	ug/kg	5000	5240	105	70-130	
Methyl-tert-butyl ether	ug/kg	2500	3020	121	70-130	
o-Xylene	ug/kg	2500	2560	103	70-130	
Toluene	ug/kg	2500	2460	98	80-120	
4-Bromofluorobenzene (S)	%			103	52-137	
Dibromofluoromethane (S)	%			114	58-145	
Toluene-d8 (S)	%			100	56-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2071706 2071707

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40209786006 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
Benzene	ug/kg	<25.0	1370	1370	1170	1330	85	97	70-130	13	20	
Ethylbenzene	ug/kg	<25.0	1370	1370	1270	1430	93	104	80-120	12	20	
m&p-Xylene	ug/kg	<50.0	2750	2750	2750	2920	100	106	70-130	6	20	
Methyl-tert-butyl ether	ug/kg	<25.0	1370	1370	1510	1480	110	108	70-130	3	20	
o-Xylene	ug/kg	<25.0	1370	1370	1300	1450	94	106	70-130	11	20	
Toluene	ug/kg	<25.0	1370	1370	1270	1420	93	103	80-120	11	20	
4-Bromofluorobenzene (S)	%						104	97	52-137			

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QUALITY CONTROL DATA

Project: C8108 MONONA

Pace Project No.: 40209655

Parameter	Units	2071706		2071707		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40209786006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Dibromofluoromethane (S)	%					113	106	58-145			
Toluene-d8 (S)	%					104	95	56-140			

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QUALITY CONTROL DATA

Project: C8108 MONONA
Pace Project No.: 40209655

QC Batch: 358021 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40209655004, 40209655006, 40209655014

METHOD BLANK: 2070902 Matrix: Water
Associated Lab Samples: 40209655004, 40209655006, 40209655014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	06/19/20 05:58	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	06/19/20 05:58	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	06/19/20 05:58	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	06/19/20 05:58	
1,1-Dichloroethane	ug/L	<0.27	1.0	06/19/20 05:58	
1,1-Dichloroethene	ug/L	<0.24	1.0	06/19/20 05:58	
1,1-Dichloropropene	ug/L	<0.54	1.8	06/19/20 05:58	
1,2,3-Trichlorobenzene	ug/L	<2.2	7.4	06/19/20 05:58	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	06/19/20 05:58	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	06/19/20 05:58	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	06/19/20 05:58	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	06/19/20 05:58	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	06/19/20 05:58	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	06/19/20 05:58	
1,2-Dichloroethane	ug/L	<0.28	1.0	06/19/20 05:58	
1,2-Dichloropropane	ug/L	<0.28	1.0	06/19/20 05:58	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	06/19/20 05:58	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	06/19/20 05:58	
1,3-Dichloropropane	ug/L	<0.83	2.8	06/19/20 05:58	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	06/19/20 05:58	
2,2-Dichloropropane	ug/L	<2.3	7.6	06/19/20 05:58	
2-Chlorotoluene	ug/L	<0.93	5.0	06/19/20 05:58	
4-Chlorotoluene	ug/L	<0.76	2.5	06/19/20 05:58	
Benzene	ug/L	<0.25	1.0	06/19/20 05:58	
Bromobenzene	ug/L	<0.24	1.0	06/19/20 05:58	
Bromochloromethane	ug/L	<0.36	5.0	06/19/20 05:58	
Bromodichloromethane	ug/L	<0.36	1.2	06/19/20 05:58	
Bromoform	ug/L	<4.0	13.2	06/19/20 05:58	
Bromomethane	ug/L	<0.97	5.0	06/19/20 05:58	
Carbon tetrachloride	ug/L	<1.1	3.6	06/19/20 05:58	
Chlorobenzene	ug/L	<0.71	2.4	06/19/20 05:58	
Chloroethane	ug/L	<1.3	5.0	06/19/20 05:58	
Chloroform	ug/L	<1.3	5.0	06/19/20 05:58	
Chloromethane	ug/L	<2.2	7.3	06/19/20 05:58	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	06/19/20 05:58	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	06/19/20 05:58	
Dibromochloromethane	ug/L	<2.6	8.7	06/19/20 05:58	
Dibromomethane	ug/L	<0.94	3.1	06/19/20 05:58	
Dichlorodifluoromethane	ug/L	<0.50	5.0	06/19/20 05:58	
Diisopropyl ether	ug/L	<1.9	6.3	06/19/20 05:58	

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QUALITY CONTROL DATA

Project: C8108 MONONA
Pace Project No.: 40209655

METHOD BLANK: 2070902 Matrix: Water
Associated Lab Samples: 40209655004, 40209655006, 40209655014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.32	1.1	06/19/20 05:58	
Hexachloro-1,3-butadiene	ug/L	<1.5	4.9	06/19/20 05:58	
Isopropylbenzene (Cumene)	ug/L	<1.7	5.6	06/19/20 05:58	
m&p-Xylene	ug/L	<0.47	2.0	06/19/20 05:58	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	06/19/20 05:58	
Methylene Chloride	ug/L	<0.58	5.0	06/19/20 05:58	
n-Butylbenzene	ug/L	<0.71	2.4	06/19/20 05:58	
n-Propylbenzene	ug/L	<0.81	5.0	06/19/20 05:58	
Naphthalene	ug/L	<1.2	5.0	06/19/20 05:58	
o-Xylene	ug/L	<0.26	1.0	06/19/20 05:58	
p-Isopropyltoluene	ug/L	<0.80	2.7	06/19/20 05:58	
sec-Butylbenzene	ug/L	<0.85	5.0	06/19/20 05:58	
Styrene	ug/L	<3.0	10.0	06/19/20 05:58	
tert-Butylbenzene	ug/L	<0.30	1.0	06/19/20 05:58	
Tetrachloroethene	ug/L	<0.33	1.1	06/19/20 05:58	
Toluene	ug/L	<0.27	0.90	06/19/20 05:58	
trans-1,2-Dichloroethene	ug/L	<0.46	1.5	06/19/20 05:58	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	06/19/20 05:58	
Trichloroethene	ug/L	<0.26	1.0	06/19/20 05:58	
Trichlorofluoromethane	ug/L	<0.21	1.0	06/19/20 05:58	
Vinyl chloride	ug/L	<0.17	1.0	06/19/20 05:58	
4-Bromofluorobenzene (S)	%	83	70-130	06/19/20 05:58	
Dibromofluoromethane (S)	%	73	70-130	06/19/20 05:58	
Toluene-d8 (S)	%	96	70-130	06/19/20 05:58	

LABORATORY CONTROL SAMPLE: 2070903

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	42.4	85	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	41.0	82	64-131	
1,1,2-Trichloroethane	ug/L	50	52.2	104	70-130	
1,1-Dichloroethane	ug/L	50	41.3	83	69-163	
1,1-Dichloroethene	ug/L	50	43.7	87	77-123	
1,2,4-Trichlorobenzene	ug/L	50	44.3	89	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	42.2	84	63-130	
1,2-Dibromoethane (EDB)	ug/L	50	48.8	98	70-130	
1,2-Dichlorobenzene	ug/L	50	50.5	101	70-130	
1,2-Dichloroethane	ug/L	50	44.0	88	78-142	
1,2-Dichloropropane	ug/L	50	50.8	102	86-134	
1,3-Dichlorobenzene	ug/L	50	49.8	100	70-130	
1,4-Dichlorobenzene	ug/L	50	52.2	104	70-130	
Benzene	ug/L	50	46.0	92	70-130	
Bromodichloromethane	ug/L	50	51.7	103	70-130	
Bromoform	ug/L	50	55.0	110	70-130	

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QUALITY CONTROL DATA

Project: C8108 MONONA
Pace Project No.: 40209655

LABORATORY CONTROL SAMPLE: 2070903

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/L	50	37.9	76	39-129	
Carbon tetrachloride	ug/L	50	49.8	100	70-132	
Chlorobenzene	ug/L	50	53.4	107	70-130	
Chloroethane	ug/L	50	39.1	78	66-140	
Chloroform	ug/L	50	42.7	85	75-132	
Chloromethane	ug/L	50	41.5	83	32-143	
cis-1,2-Dichloroethene	ug/L	50	40.7	81	70-130	
cis-1,3-Dichloropropene	ug/L	50	47.1	94	70-130	
Dibromochloromethane	ug/L	50	52.6	105	70-130	
Dichlorodifluoromethane	ug/L	50	37.5	75	10-141	
Ethylbenzene	ug/L	50	53.0	106	80-120	
Isopropylbenzene (Cumene)	ug/L	50	53.6	107	70-130	
m&p-Xylene	ug/L	100	111	111	70-130	
Methyl-tert-butyl ether	ug/L	50	35.7	71	61-129	
Methylene Chloride	ug/L	50	40.6	81	70-130	
o-Xylene	ug/L	50	53.5	107	70-130	
Styrene	ug/L	50	53.3	107	70-130	
Tetrachloroethene	ug/L	50	57.1	114	70-130	
Toluene	ug/L	50	52.8	106	80-120	
trans-1,2-Dichloroethene	ug/L	50	41.9	84	70-130	
trans-1,3-Dichloropropene	ug/L	50	44.0	88	69-130	
Trichloroethene	ug/L	50	56.6	113	70-130	
Trichlorofluoromethane	ug/L	50	47.2	94	75-145	
Vinyl chloride	ug/L	50	44.1	88	51-140	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			86	70-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2070908 2070909

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40209670003	Result	Spike Conc.	Spike Conc.								
1,1,1-Trichloroethane	ug/L	<1.0	50	50	50	42.4	39.7	85	79	70-130	7	20	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	50	41.1	40.3	82	81	64-137	2	20	
1,1,2-Trichloroethane	ug/L	<5.0	50	50	50	52.3	50.9	105	102	70-137	3	20	
1,1-Dichloroethane	ug/L	<1.0	50	50	50	40.9	39.4	82	79	69-163	4	20	
1,1-Dichloroethene	ug/L	<1.0	50	50	50	42.7	40.4	85	81	77-129	5	20	
1,2,4-Trichlorobenzene	ug/L	<5.0	50	50	50	37.6	36.2	74	72	68-130	4	20	
1,2-Dibromo-3-chloropropane	ug/L	<5.9	50	50	50	43.4	42.9	87	86	60-130	1	20	
1,2-Dibromoethane (EDB)	ug/L	<2.8	50	50	50	49.3	48.3	99	97	70-130	2	20	
1,2-Dichlorobenzene	ug/L	<2.4	50	50	50	49.3	46.7	98	93	70-130	5	20	
1,2-Dichloroethane	ug/L	<1.0	50	50	50	45.5	42.7	91	85	78-145	6	20	
1,2-Dichloropropane	ug/L	<1.0	50	50	50	50.7	48.1	101	96	86-135	5	20	
1,3-Dichlorobenzene	ug/L	<2.1	50	50	50	47.1	44.7	94	89	70-130	5	20	

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QUALITY CONTROL DATA

Project: C8108 MONONA
Pace Project No.: 40209655

Parameter	Units	2070908		2070909		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40209670003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,4-Dichlorobenzene	ug/L	<3.1	50	50	49.6	46.9	98	93	70-130	5	20		
Benzene	ug/L	<1.0	50	50	47.4	44.1	94	88	70-136	7	20		
Bromodichloromethane	ug/L	<1.2	50	50	50.4	48.1	101	96	70-130	5	20		
Bromoform	ug/L	<13.2	50	50	53.5	52.6	107	105	69-130	2	20		
Bromomethane	ug/L	<5.0	50	50	38.6	34.6	77	69	39-138	11	20		
Carbon tetrachloride	ug/L	<3.6	50	50	47.8	43.6	96	87	70-142	9	20		
Chlorobenzene	ug/L	<2.4	50	50	53.9	50.3	107	100	70-130	7	20		
Chloroethane	ug/L	<5.0	50	50	38.5	36.7	77	73	61-149	5	20		
Chloroform	ug/L	<5.0	50	50	42.4	40.6	85	81	75-133	4	20		
Chloromethane	ug/L	<7.3	50	50	41.1	38.8	81	77	32-143	6	20		
cis-1,2-Dichloroethene	ug/L	<1.0	50	50	41.7	39.9	82	78	70-130	5	20		
cis-1,3-Dichloropropene	ug/L	<12.1	50	50	46.7	44.9	93	90	70-130	4	20		
Dibromochloromethane	ug/L	<8.7	50	50	52.5	49.3	105	99	70-130	6	20		
Dichlorodifluoromethane	ug/L	<5.0	50	50	28.7	26.8	57	54	10-141	7	20		
Ethylbenzene	ug/L	<1.1	50	50	52.2	48.5	104	97	80-120	7	20		
Isopropylbenzene (Cumene)	ug/L	<5.6	50	50	51.8	47.7	104	95	70-130	8	20		
m&p-Xylene	ug/L	<2.0	100	100	110	99.9	110	100	70-130	10	20		
Methyl-tert-butyl ether	ug/L	<4.2	50	50	36.7	35.9	73	72	61-136	2	20		
Methylene Chloride	ug/L	<5.0	50	50	41.4	39.1	83	78	68-137	6	20		
o-Xylene	ug/L	<1.0	50	50	51.5	48.8	103	98	70-130	5	20		
Styrene	ug/L	<10.0	50	50	51.3	48.1	103	96	70-130	7	20		
Tetrachloroethene	ug/L	<1.1	50	50	54.0	50.2	108	100	70-130	7	20		
Toluene	ug/L	<0.90	50	50	51.6	49.2	103	98	80-120	5	20		
trans-1,2-Dichloroethene	ug/L	<1.5	50	50	42.1	40.1	84	80	70-130	5	20		
trans-1,3-Dichloropropene	ug/L	<14.6	50	50	44.6	43.3	89	87	69-130	3	20		
Trichloroethene	ug/L	<1.0	50	50	55.3	52.5	111	105	70-130	5	20		
Trichlorofluoromethane	ug/L	<1.0	50	50	42.3	38.8	85	78	74-157	9	20		
Vinyl chloride	ug/L	<1.0	50	50	42.1	39.8	84	79	51-140	6	20		
4-Bromofluorobenzene (S)	%						98	98	70-130				
Dibromofluoromethane (S)	%						71	80	70-130				
Toluene-d8 (S)	%						96	96	70-130				

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QUALITY CONTROL DATA

Project: C8108 MONONA

Pace Project No.: 40209655

QC Batch: 357898

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV UST-WATER

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40209655002, 40209655008

METHOD BLANK: 2070245

Matrix: Water

Associated Lab Samples: 40209655002, 40209655008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	06/19/20 16:08	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	06/19/20 16:08	
Benzene	ug/L	<0.25	1.0	06/19/20 16:08	
Ethylbenzene	ug/L	<0.32	1.1	06/19/20 16:08	
m&p-Xylene	ug/L	<0.47	2.0	06/19/20 16:08	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	06/19/20 16:08	
Naphthalene	ug/L	<1.2	5.0	06/19/20 16:08	
o-Xylene	ug/L	<0.26	1.0	06/19/20 16:08	
Toluene	ug/L	<0.27	0.90	06/19/20 16:08	
4-Bromofluorobenzene (S)	%	92	70-130	06/19/20 16:08	
Dibromofluoromethane (S)	%	104	70-130	06/19/20 16:08	
Toluene-d8 (S)	%	96	70-130	06/19/20 16:08	

LABORATORY CONTROL SAMPLE: 2070246

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	48.4	97	70-130	
Ethylbenzene	ug/L	50	54.3	109	80-120	
m&p-Xylene	ug/L	100	114	114	70-130	
Methyl-tert-butyl ether	ug/L	50	44.8	90	61-129	
o-Xylene	ug/L	50	53.7	107	70-130	
Toluene	ug/L	50	56.1	112	80-120	
4-Bromofluorobenzene (S)	%			97	70-130	
Dibromofluoromethane (S)	%			114	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2070247 2070248

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40209447006 Result	Spike Conc.	Spike Conc.	Result								
Benzene	ug/L	<1.0	50	50	49.7	49.1	99	98	98	70-136	1	20	
Ethylbenzene	ug/L	<1.0	50	50	51.5	49.2	103	98	98	80-120	5	20	
m&p-Xylene	ug/L	<0.47	100	100	106	99.9	106	100	100	70-130	6	20	
Methyl-tert-butyl ether	ug/L	<5.0	50	50	53.7	53.1	100	99	99	61-136	1	20	
o-Xylene	ug/L	<0.26	50	50	52.1	50.0	104	100	100	70-130	4	20	
Toluene	ug/L	<1.0	50	50	56.8	54.3	114	109	109	80-120	4	20	
4-Bromofluorobenzene (S)	%						97	98	98	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: C8108 MONONA

Pace Project No.: 40209655

Parameter	Units	2070247		2070248		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40209447006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Dibromofluoromethane (S)	%					111	114	70-130			
Toluene-d8 (S)	%					100	100	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: C8108 MONONA

Pace Project No.: 40209655

QC Batch: 358284

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40209655001, 40209655003, 40209655005, 40209655007, 40209655009, 40209655010, 40209655011, 40209655012, 40209655013

SAMPLE DUPLICATE: 2072628

Parameter	Units	40209542001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	15.2	15.4	1	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: C8108 MONONA

Pace Project No.: 40209655

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

W Non-detect results are reported on a wet weight basis.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: C8108 MONONA
Pace Project No.: 40209655

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40209655005	GP-2	EPA 5035/5030B	358157	EPA 8260	358161
40209655007	GP-3	EPA 5035/5030B	358157	EPA 8260	358161
40209655001	GP-6 6-9	EPA 5035/5030B	358151	EPA 8260	358152
40209655003	GP-1	EPA 5035/5030B	358151	EPA 8260	358152
40209655009	GP-4 6-8	EPA 5035/5030B	358151	EPA 8260	358152
40209655010	GP-4 2-4	EPA 5035/5030B	358151	EPA 8260	358152
40209655011	GP-5 2-5	EPA 5035/5030B	358151	EPA 8260	358152
40209655012	GP-5 6-8	EPA 5035/5030B	358151	EPA 8260	358152
40209655013	GP-6 2-5	EPA 5035/5030B	358151	EPA 8260	358152
40209655004	GP-2	EPA 8260	358021		
40209655006	GP-3	EPA 8260	358021		
40209655014	TRIP BLANK	EPA 8260	358021		
40209655002	GP-1	EPA 8260	357898		
40209655008	GP-4	EPA 8260	357898		
40209655001	GP-6 6-9	ASTM D2974-87	358284		
40209655003	GP-1	ASTM D2974-87	358284		
40209655005	GP-2	ASTM D2974-87	358284		
40209655007	GP-3	ASTM D2974-87	358284		
40209655009	GP-4 6-8	ASTM D2974-87	358284		
40209655010	GP-4 2-4	ASTM D2974-87	358284		
40209655011	GP-5 2-5	ASTM D2974-87	358284		
40209655012	GP-5 6-8	ASTM D2974-87	358284		
40209655013	GP-6 2-5	ASTM D2974-87	358284		

REPORT OF LABORATORY ANALYSIS

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Client Name: InterTech LLC Sample Preservation Receipt Form
 Project # UP209455

All containers needing preservation have been checked and noted below: Yes No N/A Initial when completed: _____ Date/Time: _____
 Lab Lot# of pH paper: _____ Lab Sid #ID of preservation (if pH adjusted): _____

Pace Lab #	Glass	Plastic	Vials	Jars	General	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001	AG1U											2.5/5/10
002	BG1U											2.5/5/10
003	AG1H											2.5/5/10
004	AG4S											2.5/5/10
005	AG4U											2.5/5/10
006	AG5U											2.5/5/10
007	AG2S											2.5/5/10
008	BG3U											2.5/5/10
009	BP1U											2.5/5/10
010	BP3U											2.5/5/10
011	BP3B											2.5/5/10
012	BP3N											2.5/5/10
013	BP3S											2.5/5/10
014	VG9A											2.5/5/10
015	DG9T											2.5/5/10
016	VG9U											2.5/5/10
017	VG9H											2.5/5/10
018	VG9M											2.5/5/10
019	VG9D											2.5/5/10
020	JGFU											2.5/5/10
	JG9U											2.5/5/10
	WGFU											2.5/5/10
	WPFU											2.5/5/10
	SP5T											2.5/5/10
	ZPLC											2.5/5/10
	GN											2.5/5/10

Exceptions to preservation check: VOA Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) Yes No N/A *If yes look in headdress column


AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9A	40 mL clear ascorbic	JGFU	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL clear Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG5U	100 mL amber glass unpres			VG9D	40 mL clear vial DI	ZPLC	ziploc bag
AG2S	500 mL amber glass H2SO4					GN	
BG3U	250 mL clear glass unpres						

 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 26Mar2020
	Document No.: ENV-FRM-GBAY-0014-Rev.00	Author: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: Ivortech LLC Project #: _____
Courier: CS Logistics Fed Ex Speedee UPS **Waltco**
 Client Pace Other: _____

WO#: 40209655



40209655

Tracking #: 2468755-1
Custody Seal on Cooler/Box Present: yes no Seals intact: yes no
Custody Seal on Samples Present: yes no Seals intact: yes no
Packing Material: Bubble Wrap Bubble Bags None Other _____
Thermometer Used: SR - n/a **Type of Ice:** Wet Blue Dry None Samples on ice, cooling process has begun
Cooler Temperature: Uncorr: ROE / Corr: _____
Temp Blank Present: yes no **Biological Tissue is Frozen:** yes no

Person examining contents:

Date: 6-17-20 / Initials: MLR

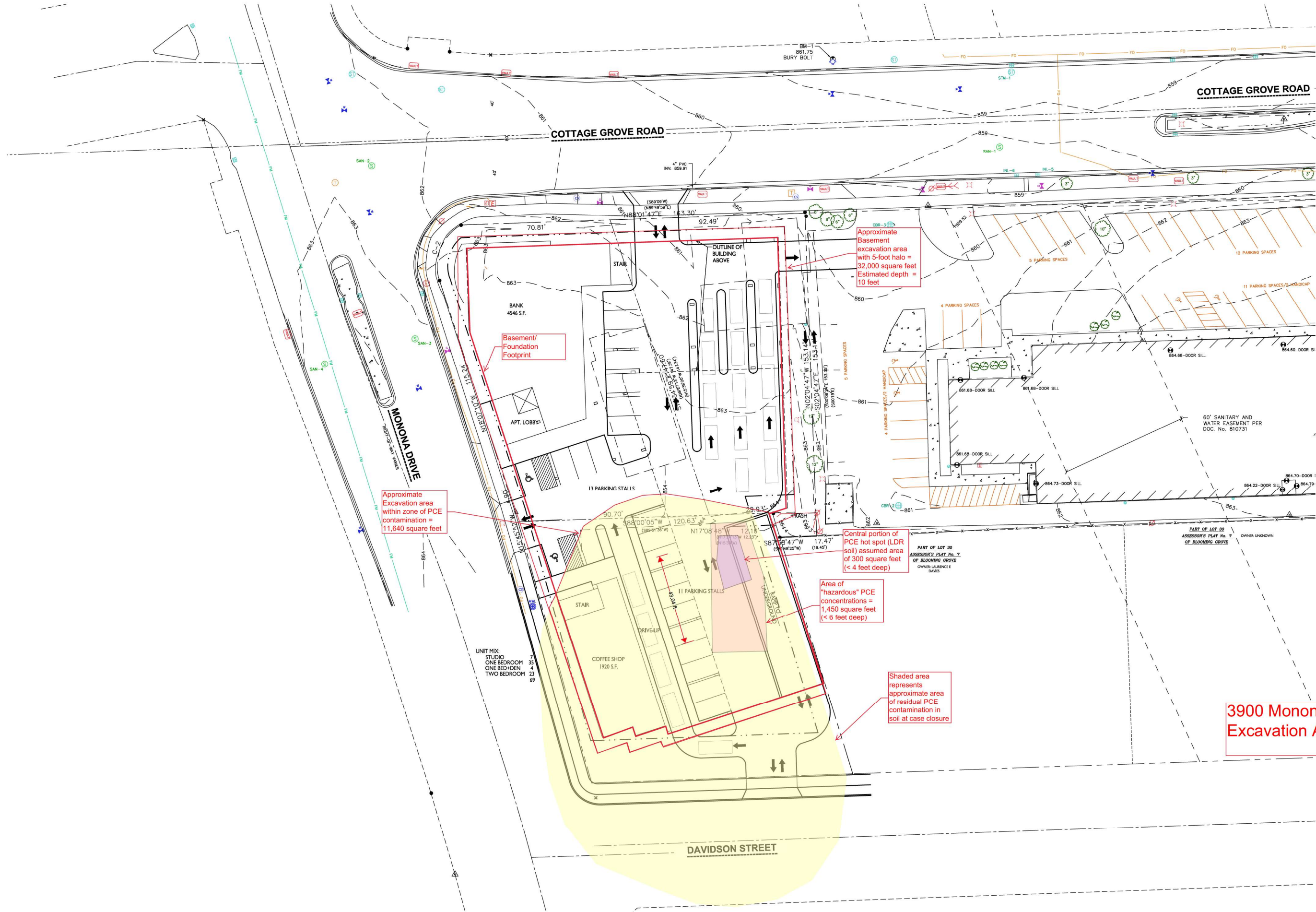
Labeled By Initials: SL

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

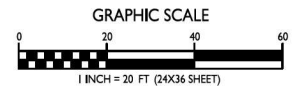
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>invoice to phone presentation MLR 6-17-20</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. <u>CIO MLR 6-17-20</u>
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>003 WPFU year '30; 06 V69M - no time, 009 V69M: time "11A" MLR 6-17-20</u>
-Includes date/time/ID/Analysis Matrix: <u>S+W</u>		
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <u>Lab added trip blank received in COC to shipment MLR 6-17-20</u>
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>447</u>		


Client Notification/ Resolution: _____ If checked, see attached form for additional comments
 Person Contacted: _____ Date/Time: _____
 Comments/ Resolution: _____

Appendix D
Excavation Area



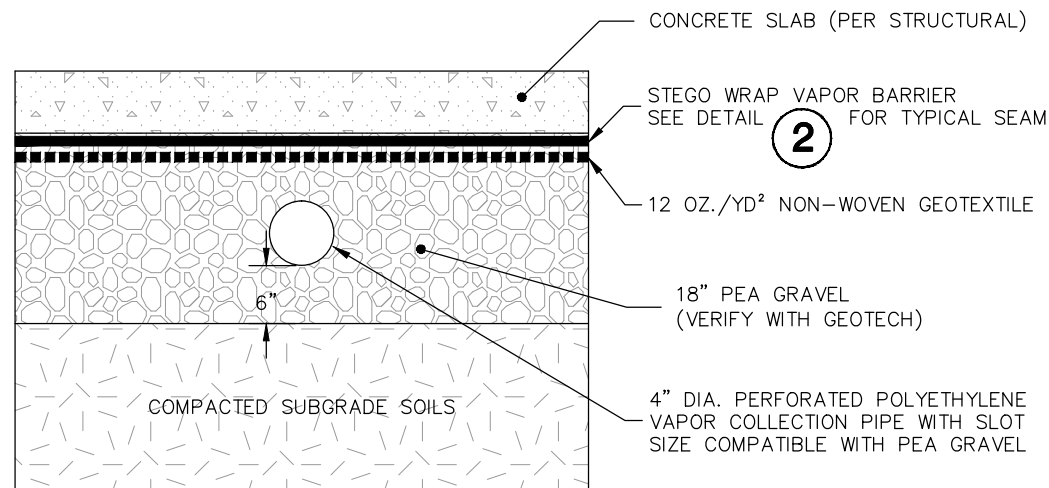
SITE PLAN
C-1.1 1" = 20'-0"





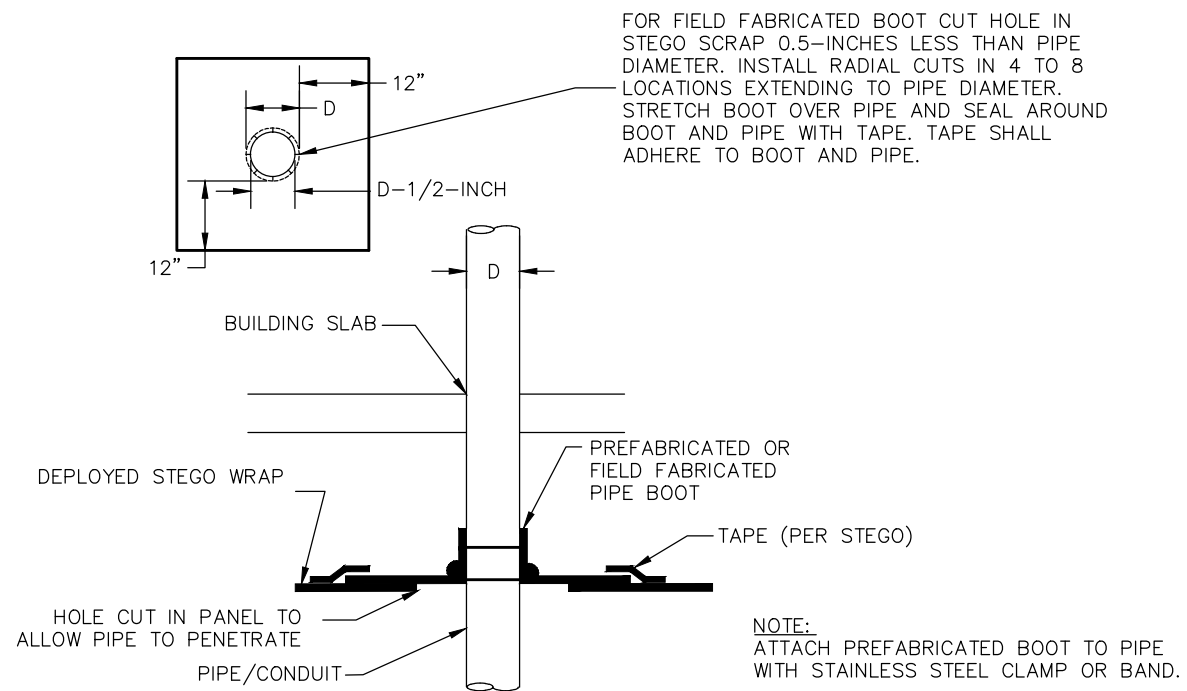
Appendix E
Vapor Mitigation Details

NOTE:
SEE BUILDING CONSTRUCTION PLANS FOR VAPOR
BARRIER AND VENT PIPE LOCATIONS.

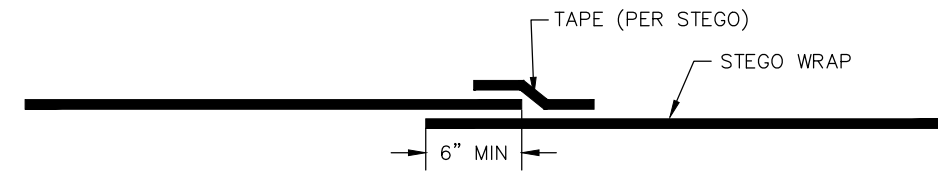


1 VAPOR CONTROL SYSTEM
(NOT TO SCALE)

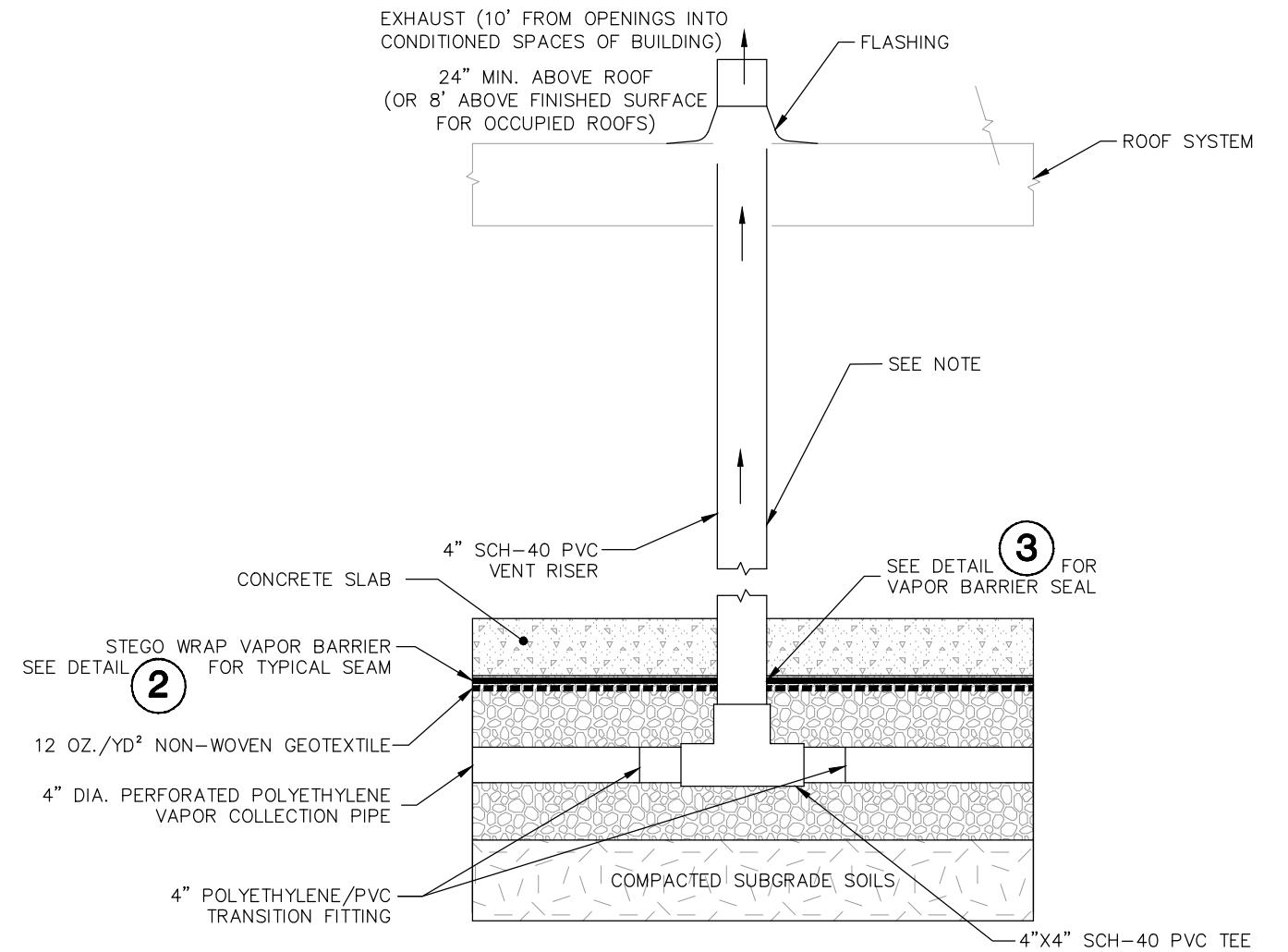
NOTE:
ADHERE STEGO WRAP TO FOUNDATION
WALLS/FOOTINGS WITH STEGO MASTIC.



3 VAPOR BARRIER PENETRATION
(NOT TO SCALE)



2 TYPICAL VAPOR BARRIER SEAM
SCALE 1"=1'



4 VAPOR CONTROL SYSTEM RISER
(NOT TO SCALE)

NOTE:
ROUTE VAPOR CONTROL RISER IN AN ACCESSIBLE
LOCATION FOR POSSIBLE FUTURE IN-LINE BLOWER
INSTALLATION AND OPERATION.

PROJECT NO. 25221209	DRAWN BY: AHB	ENGINEER	SCS ENGINEERS 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830	CLIENT	Threshold Development 1954 Atwood Avenue Madison, WI 53704	SITE	Threshold Development 3900 Monona Drive, Madison Wisconsin	DETAILS	FIGURE
DRAWN: 12/12/13	CHECKED BY: MH								1
REVISED: 12/12/13	APPROVED BY: EO								