

January 20, 2022

Ms. Jane K. Pfeiffer
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
Southeast Region Office
1027 W. St. Paul Ave.
Milwaukee WI, 53233

Project # 40441

Subject: Technical Assistance Request
Community Within the Corridor Limited Partnership – East Block
2748 N. 32nd Street, Milwaukee, WI 53210
BRRTS #: 02-41-263675; FID #: 241025400

Dear Ms. Pfeiffer:

Please find attached a Request for Technical Assistance for vapor mitigation design modifications for Building 3A (Addition 7, ca. 1950) of the above referenced property. Included in the Technical Assistance Request is a Technical Assistance, Environmental Liability Clarification or Post Modification Request Form 4400-237 R12/18, Figures and Tables showing current conditions and proposed modifications are included.

Background

The Community Within the Corridor Limited Partnership is proposing to redevelop the property into a mix of affordable housing, commercial spaces, and other amenities. The proposed development includes the following: The Corridor Lofts (64 Units), Creme City Lofts (36 Units) & 30 Square Townhomes (6 Units) and the Briggs Apartment Homes (91 Units) and a Community Service Facility which will include early childhood education, Science, Technology, Engineering, Art & Math after school programming, a health club (Basketball, Volleyball & Futsal, Skatepark), laundromat and a petite grocery store. The property has been rezoned Industrial Mix to facilitate development of the project.

No demolition of existing buildings is planned. The building interiors will be renovated and reconfigured. A ramp will be constructed to utilize the basement as a parking garage. Paved areas will be milled and paved or have pavement removed, be regraded, and then restored with asphalt. The layout of the facility is shown on Figure 1.

The property was previously investigated and granted Case Closure with continuing obligations as an industrial property under BRRTS # 02-41-263675. KSingh was retained to perform environmental consulting services for the redevelopment of the property. Following a Phase I Environmental Site Assessment, a Phase II Environmental Site Assessment, and Sub-Slab Vapor Sampling Memorandum, a Post-Closure Modification Request was submitted to the WDNR on July 8, 2020. Following submission of the Post-Closure Modification Request, KSingh performed a Sub-Slab Vapor Investigation of the building.

The findings from the sub-slab vapor sampling activities are described as follows:

- Contamination related to chlorinated solvents consisting of TCE, Vinyl Chloride, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,4-Dichlorobenzene, and/or Benzyl Chloride exceeds Residential VRSLs and/or Large Industrial / Commercial Building VRSLs below much of the building.
- TCE is the most widespread contaminant of concern under the building and is associated with past industrial uses of the facility.
- Petroleum VRSL exceedances are located in the northeast portion of the building, Building 3A, and are associated with the previously closed Leaking Underground Storage Tank case.

Based on the Sub-Slab Vapor Investigation, it was determined by the WDNR that a vapor mitigation system would be required for the facility in addition to the construction and maintenance of engineered barriers. Pressure field extension (PFE) testing was performed in February 2021. Based on the findings of the PFE testing, as well as additional vapor and soil sampling, the following reports were submitted for review.

- Update to Post Closure Modification Request / Remedial Action Plan – March 19, 2021
- Feasibility Study and Design – Vapor Mitigation System – March 10, 2021
- Additional Soils Investigation – March 24, 2021
- Proposed Modification of Vapor Mitigation / Extraction System – April 29, 2021

Results of the SSV sampling are summarized in Table 1. SSV test results are shown on Figure 2. Vapor isoconcentration plumes for Residential and Large Commercial / Industrial Building VRSL exceedances of TCE, the main contaminant of concern, are shown on Figure 3.

WDNR approved the Remedial Action Design Report for the facility on June 8, 2021. Work has been largely carried out for the vapor mitigation system including hot spot removal. However, the work has not been performed in building 3A yet. KSingh is requesting a change of the vapor mitigation system in Building 3A from a horizontal trench-based system to a vertical extraction point based system.

Rationale for Change of Vapor Mitigation System

Building 3A is a large two-story building that will be walled off from the residential parts of the building and will not be connected to the HVAC system. In addition, Building 3A will be used for storage. Indoor air sampling in the area did not detect any exceedances of Vapor Action Limits.

Building 3A is a large commercial space which is not connected to residential spaces. No residential units are intended for Building 3A. No Large Commercial / Industrial VRSLs are exceeded beneath Building 3A. However, as there are Residential VRSLs exceeded for TCE, a vapor mitigation system consisting of 11 extraction points is proposed utilizing calculated zones of influence from the PFE study. The proposed system is shown on Figure 4. The estimated zones of influence are estimated to cover the entirety of Building 3A.

We request WDNR's permission to replace the trench system with the 11 vertical extraction points system. We request that WDNR review and approve this request by February 18, 2022.

Please find attached a check in the amount of \$700 for the technical assistance request. Should you have any questions or require any additional information, please feel free to contact us at 262-821-1171, ext. 111.

Sincerely,

K. SINGH & ASSOCIATES, INC.



Daniel K. Pelczar, CPG, PG
Senior Geologist



Robert T. Reineke, PE
Senior Engineer



Ajay P. Singh, PE, MPM
Project Manager

cc: Mr. Shane LaFave / Roers Companies
Mr. Que El-Amin / Scott Crawford, Inc.

Attachments: Attachment A: Technical Assistance, Environmental Liability Clarification or Post
Modification Request Form 4400-237 R12/18
Attachment B: Figures
Attachment C: Tables

Attachment A

Technical Assistance, Environmental Liability Clarification or Post Modification Request Form 4400-237
R12/18

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 LaFave	First Shane	MI	Organization/ Business Name Community Within the Corridor Limited Partnership
Mailing Address 110 Cheshire Lane		City Minnetonka	State MN
		ZIP Code 55305	
Phone # (include area code) (763) 285-8795	Fax # (include area code)	Email shane@roerscompanies.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 Reineke	First Robert	MI	Organization/ Business Name K. Singh & Associates, Inc.
Mailing Address 3636 N. 124th St.		City Wauwatosa	State WI
		ZIP Code 53222	
Phone # (include area code) (262) 821-1171	Fax # (include area code) (262) 821-1174	Email rreineke@ksinghengineering.com	

Environmental Consultant (if applicable)

Contact Last Name Reineke	First Robert	MI	Organization/ Business Name K. Singh & Associates
Mailing Address 3636 N. 124th St.		City Wauwatosa	State WI
		ZIP Code 53222	
Phone # (include area code) (262) 821-1171	Fax # (include area code) (262) 821-1174	Email rreineke@ksinghengineering.com	

Section 2. Property Information

Property Name Community within the Corridor Limited Partnership - East Block		FID No. (if known) 241025400	
BRRTS No. (if known) 02-41-263675		Parcel Identification Number 3091206000	
Street Address 2748 N. 32nd St.		City Milwaukee	State WI
		ZIP Code 53210	
County Milwaukee	Municipality where the Property is located <input checked="" type="radio"/> City <input type="radio"/> Town <input type="radio"/> Village of Milwaukee	Property is composed of: <input checked="" type="radio"/> Single tax parcel <input type="radio"/> Multiple tax parcels	Property Size Acres 4.16

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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: _____

Reason:

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: _____
- Phase II Environmental Site Assessment Report - Date: _____
- 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: See BRRTS #: 02-41-263675

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): _____
- 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: Shane LaFave
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.



01/18/2022

Signature

Date Signed

Senior Engineer

(262) 821-1171

Title

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>.

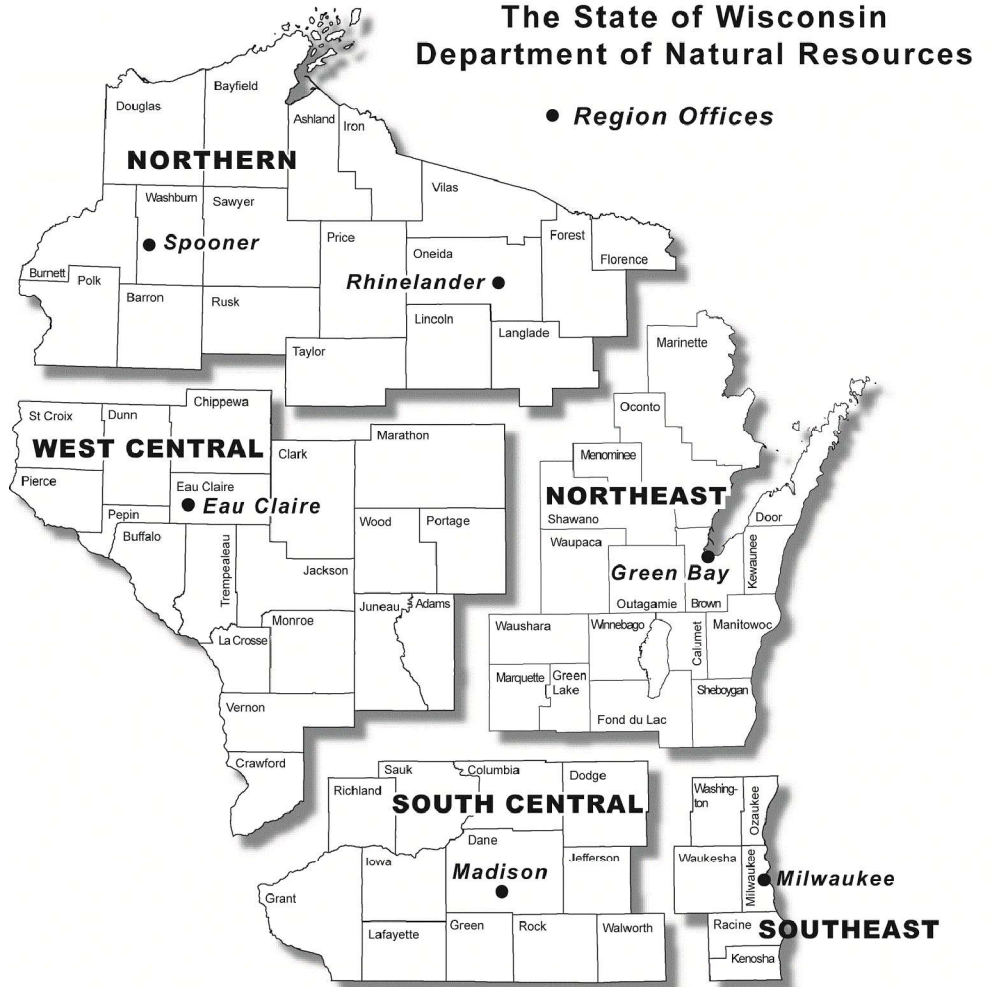
DNR NORTHERN REGION
Attn: RR Program Assistant
Department of Natural Resources
223 E Steinfest Rd Antigo, WI 54409

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

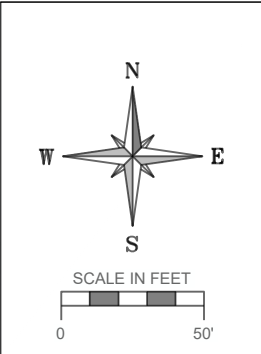
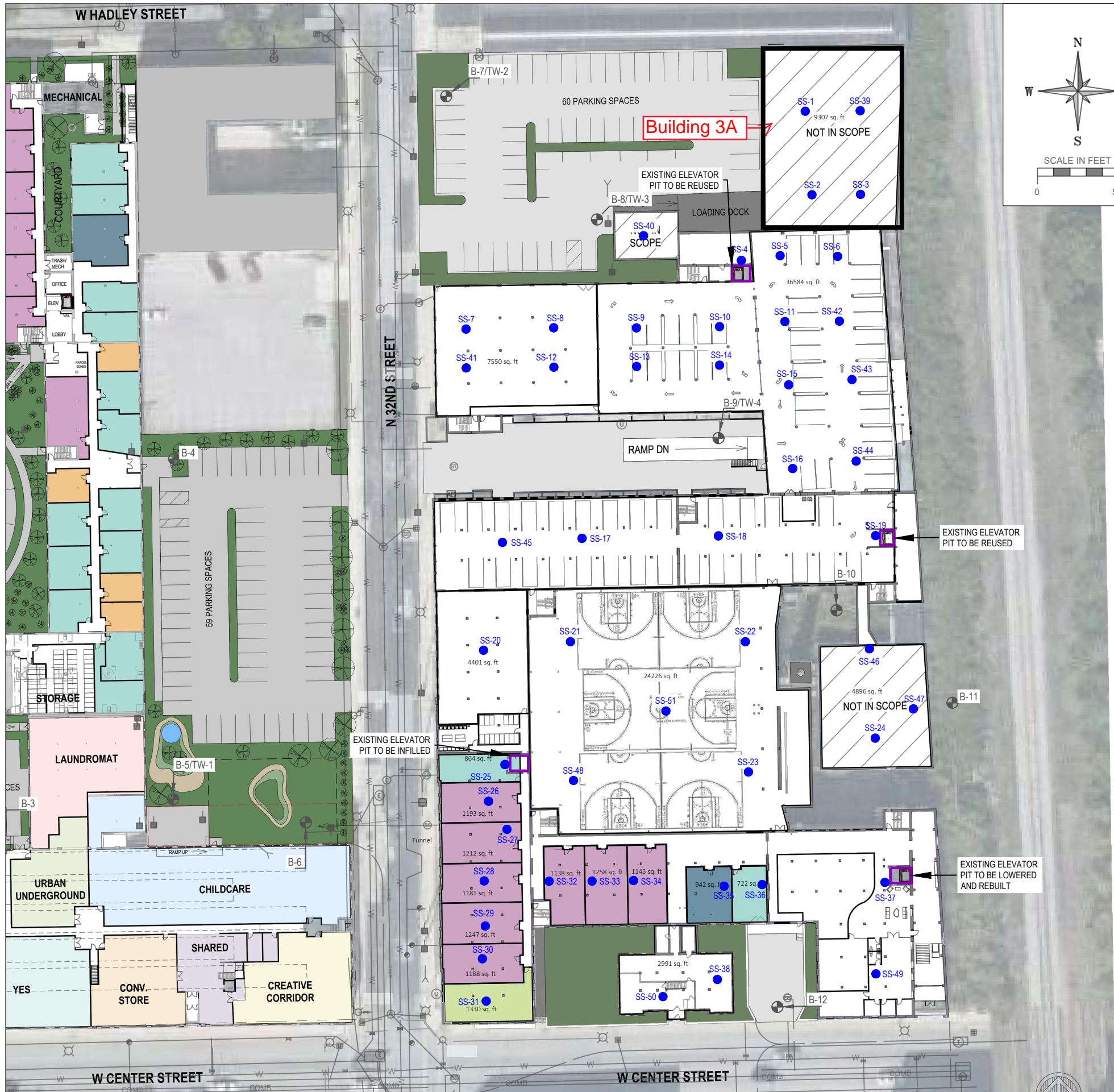


Note: These are the Remediation and Redevelopment Program's designated regions. Other DNR program regional boundaries may be different.

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		

Attachment B

Figures



- LEGEND**
- Sub-Slab Sampling Locations (51)
 - Previous Boring and Temporary Well Locations
 - Known Elevator Shaft
 - 1 - Bedroom Apartment
 - 2 - Bedroom Apartment
 - 3 - Bedroom Apartment
 - 4 - Bedroom Apartment
 - Studio Apartment

CONSULTANT

CONSULTANT

CONSULTANT

PROJECT TITLE: COMMUNITY WITHIN THE CORRIDOR
MILWAUKEE, WI
PROJECT NUMBER: 40420

CLIENT:
COMMUNITY WITHIN THE CORRIDOR LIMITED
PARTNERSHIP

REVISIONS	DATE	DESCRIPTION

DRAWN BY: AMZ DATE: 01/07/2021
CHECKED BY: KVH DATE: 01/07/2021
SHEET TITLE: SUB-SLAB VAPOR PROBE LOCATIONS

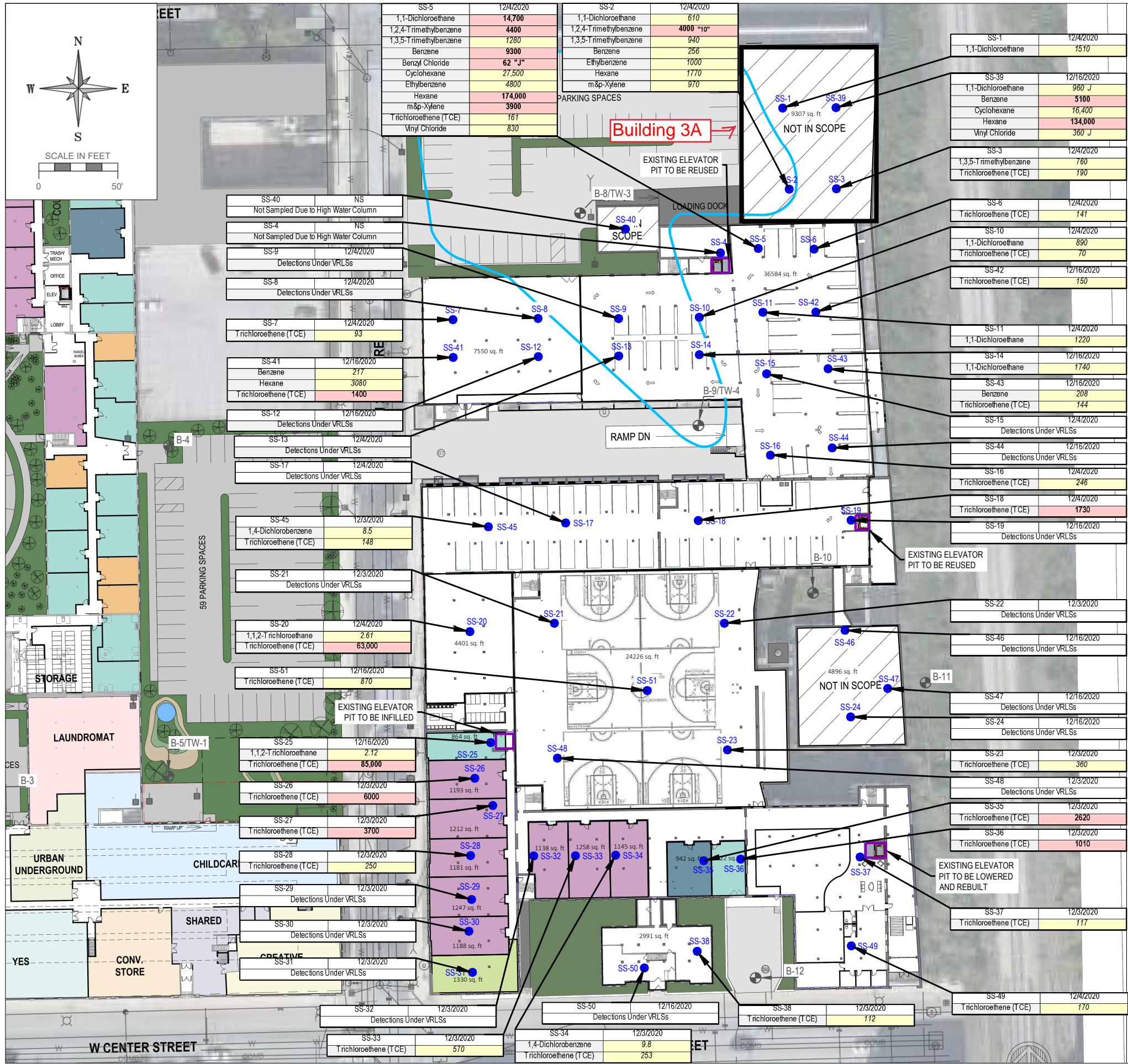
FIGURE 1

REVISIONS	DATE	DESCRIPTION

DRAWN BY	DATE
AMZ	01/07/2021
CHECKED BY	DATE
KVH	01/07/2021

SHEET TITLE	
SUB-SLAB VAPOR SAMPLING RESULTS	

FIGURE 2



LEGEND

- Sub-Slab Sampling Locations (51)
- ⊙ Previous Boring and Temporary Well Locations
- Known Elevator Shaft
- 1 - Bedroom Apartment
- 2 - Bedroom Apartment
- 3 - Bedroom Apartment
- 4 - Bedroom Apartment
- Studio Apartment
- WI Residential VRSL Exceedance Extents
- WI Large Commercial / Industrial VRSL Exceedance Extents
- Past NR 720 RCL Exceedance Extents

Attenuation Factor	Sub-Slab Vapor	
	0.03	0.01
Analyte	Residential Vapor Risk Screening Level (VRSL)	Large Commercial / Industrial VRSL
1,1,2-Trichloroethane	0.7	8.8
1,1-Dichloroethane	600	7700
1,2,4-Trimethylbenzene	210	2600
1,3,5-Trimethylbenzene	210	2600
1,4-Dichlorobenzene	8	110
Benzene	120	1600
Benzyl Chloride	1.9	25
Cyclohexane	3333	44000
Ethylbenzene	370	4900
Hexane	1400	18000
m&p-Xylene	333	4400
Methyl tert-butyl ether (MTBE)	3700	47000
Naphthalene	28	360
o-Xylene	3300	44000
Tetrachloroethane	1400	18000
trans-1,2-Dichloroethane	---	---
Trichloroethane (TCE)	70	880
Vinyl Chloride	57	2800

- NOTES:**
- REPORTED UNITS IN ug/m³
 - BASED ON WI VAPOR QUICK LOOKUP - TABLE VAPOR RISK SCREENING LEVELS
 - NS = NOT SAMPLED
 - SAMPLING LOCATIONS ARE APPROXIMATE
 - "J" = ANALYTE DETECTED BETWEEN 'LIMIT OF DETECTION' AND 'LIMIT OF QUANTITATION'
 - "10" = LINEAR RANGE OF CALIBRATION CURVE EXCEEDED DURING ANALYSIS
 - BOLD INDICATES DETECTION IS ABOVE LARGE COMMERCIAL / INDUSTRIAL VRSL
 - ITALICS INDICATES DETECTION IS ABOVE RESIDENTIAL VRSL

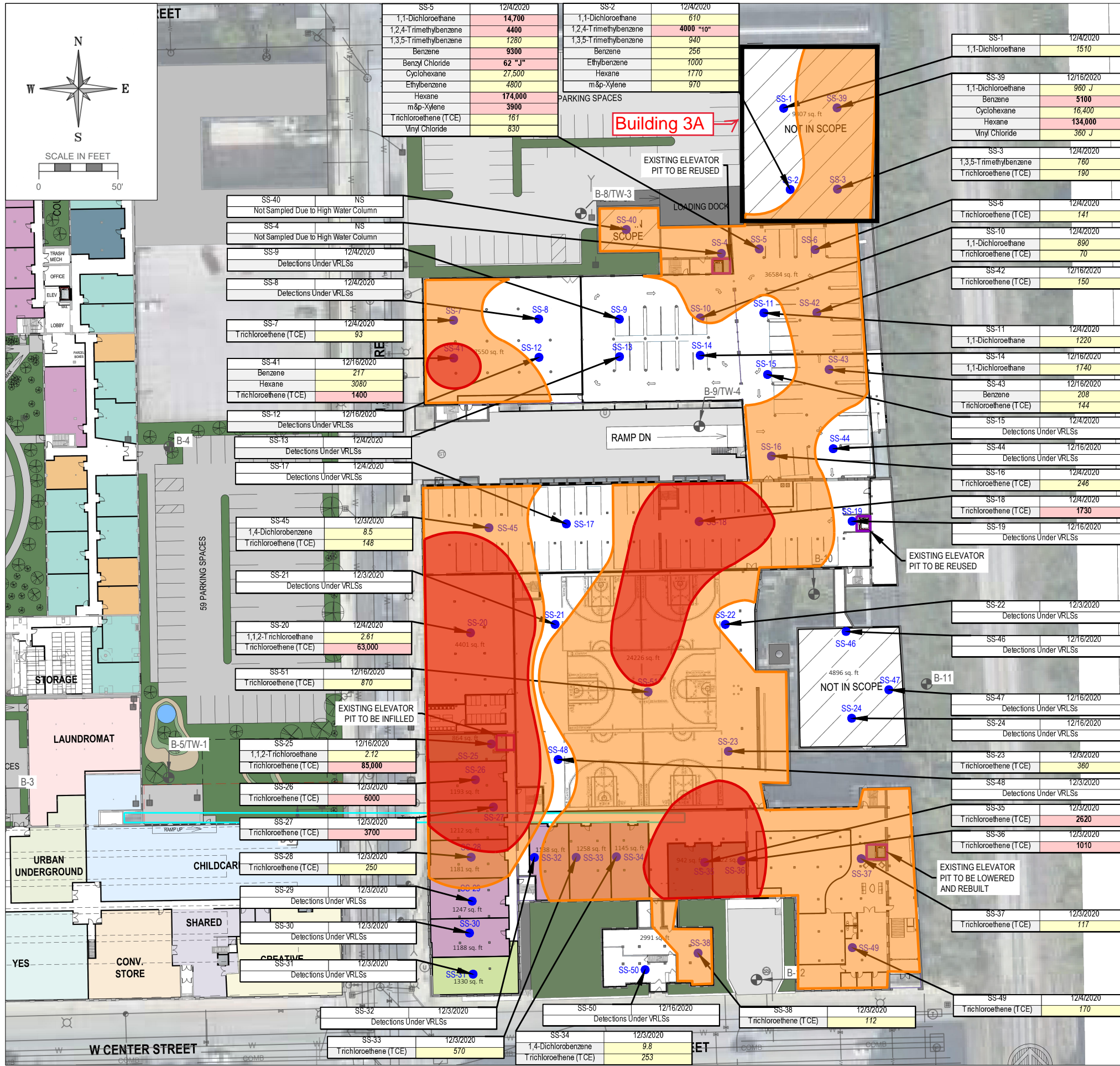
REVISIONS	DATE	DESCRIPTION

DRAWN BY	DATE
AMZ	01/07/2021
CHECKED BY	DATE
KVH	01/07/2021

SHEET TITLE

VRSL EXCEEDANCE PLUMES FOR TCE

FIGURE 3

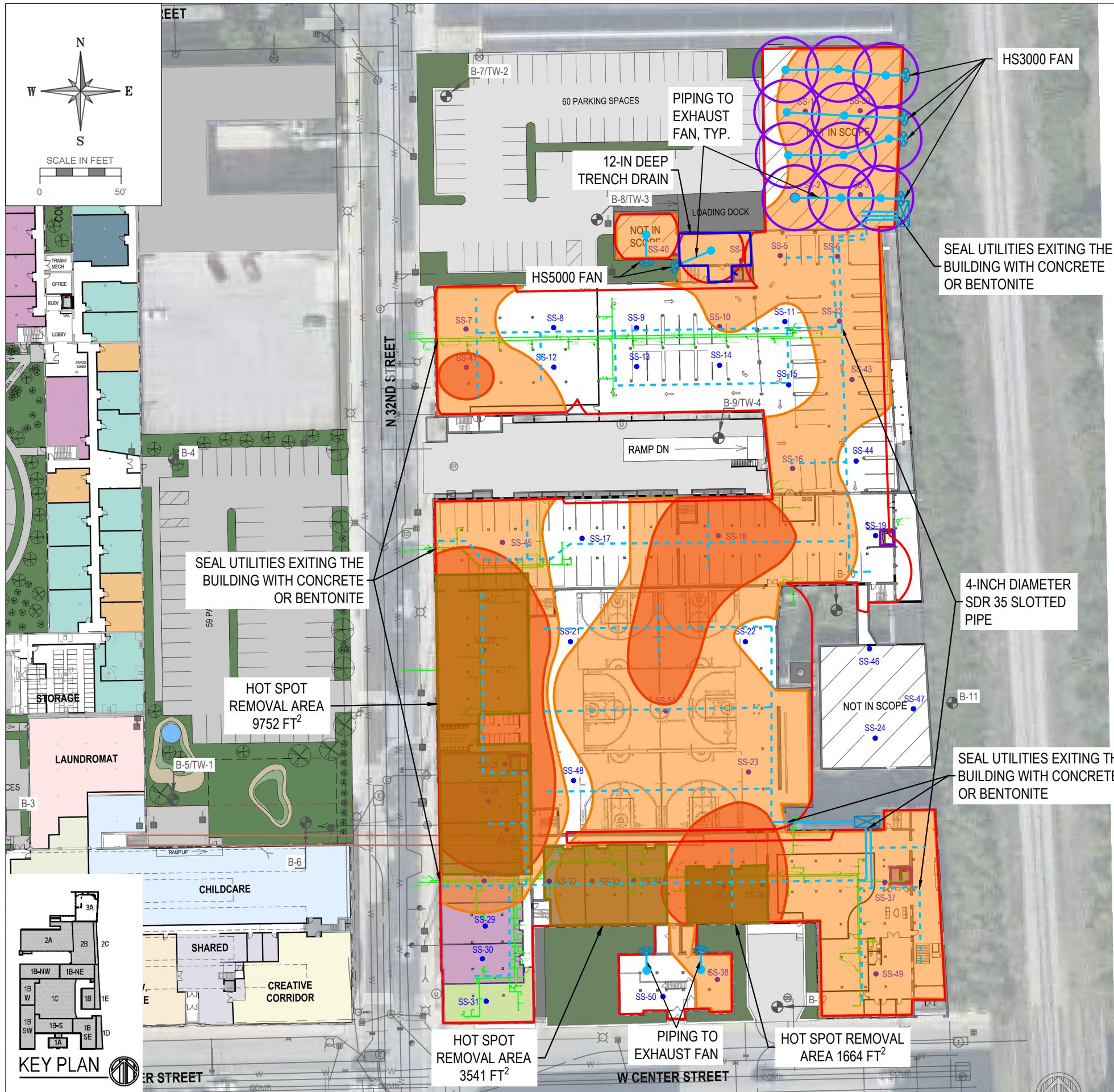


LEGEND

- Sub-Slab Sampling Locations (51)
- ⊕ Previous Boring and Temporary Well Locations
- Known Elevator Shaft
- 1 - Bedroom Apartment
- 2 - Bedroom Apartment
- 3 - Bedroom Apartment
- 4 - Bedroom Apartment
- Studio Apartment
- WI Residential VRSL Exceedance Extents
- WI Large Commercial / Industrial VRSL Exceedance Extents

Attenuation Factor	Sub-Slab Vapor	
	0.03	0.01
Analyte	Residential Vapor Risk Screening Level (VRSL)	Large Commercial / Industrial VRSL
1,1,2-Trichloroethane	0.7	8.8
1,1-Dichloroethane	600	7700
1,2,4-Trimethylbenzene	210	2600
1,3,5-Trimethylbenzene	210	2600
1,4-Dichlorobenzene	8	110
Benzene	120	1600
Benzyl Chloride	1.9	25
Cyclohexane	3333	44000
Ethylbenzene	370	4900
Hexane	1400	18000
m&p-Xylene	333	4400
Methyl tert-butyl ether (MTBE)	3700	47000
Naphthalene	28	360
o-Xylene	3300	44000
Tetrachloroethane	1400	18000
trans-1,2-Dichloroethane	---	---
Trichloroethane (TCE)	70	880
Vinyl Chloride	57	2800

- NOTES:**
- REPORTED UNITS IN ug/m³
 - BASED ON WI VAPOR QUICK LOOKUP - TABLE VAPOR RISK SCREENING LEVELS
 - NS = NOT SAMPLED
 - SAMPLING LOCATIONS ARE APPROXIMATE
 - "J" = ANALYTE DETECTED BETWEEN 'LIMIT OF DETECTION' AND 'LIMIT OF QUANTITATION'
 - "10" = LINEAR RANGE OF CALIBRATION CURVE EXCEEDED DURING ANALYSIS
 - BOLD INDICATES DETECTION IS ABOVE LARGE COMMERCIAL / INDUSTRIAL VRSL
 - ITALICS INDICATES DETECTION IS ABOVE RESIDENTIAL VRSL



LEGEND

- Sub-Slab Sampling Locations (51)
- ⊙ Previous Boring and Temporary Well Locations
- Known Elevator Shaft
- 1 - Bedroom Apartment
- 2 - Bedroom Apartment
- 3 - Bedroom Apartment
- 4 - Bedroom Apartment
- Studio Apartment
- WI Residential VRSL Exceedance Extents
- WI Large Commercial / Industrial VRSL Exceedance Extents
- Hot Spot Removal Area
- Slotted Horizontal Extraction Piping
- Solid Horizontal Extraction Piping
- Extraction Points
- Extraction Point Zone of Influence
- ⊠ Potential Blower Locations
- ⊗ Vapor Mitigation Fan
- Zone of Influence
- 12-Inch Trench Drain
- Underground Plumbing

NOTES:
1. SAMPLING LOCATIONS AND VAPOR EXTRACTION POINTS ARE APPROXIMATE

CONSULTANT

CONSULTANT

CONSULTANT

PROJECT TITLE: COMMUNITY WITHIN THE CORRIDOR
2748 N 32ND STREET
MILWAUKEE, WI 53210
PROJECT NUMBER: 40441

CLIENT:
COMMUNITY WITHIN THE CORRIDOR LIMITED
PARTNERSHIP

REVISIONS	DATE	DESCRIPTION

DRAWN BY AMZ	DATE 01/17/2022
CHECKED BY RTR	DATE 01/17/2022
SHEET TITLE	

REVISED VAPOR INTRUSION
MITIGATION PLAN

FIGURE 4

Attachment C

Tables

TABLE 1
SUB-SLAB VAPOR ANALYTICAL RESULTS
EAST BLOCK
COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP - MILWAUKEE, WI

CHEMICAL (ug/m ³)	SUB-SLAB VAPOR VRSL			SSV-1	SSV-2	SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8	SS-9
	AF = 0.03	AF = 0.03	AF = 0.01	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT
				6/12/2020	6/12/2020	12/4/2020	12/4/2020	12/4/2020	NS	12/4/2020	12/4/2020	12/4/2020	12/4/2020	12/4/2020
	RESIDENTIAL	SMALL COMMERCIAL	LARGE COMMERCIAL / INDUSTRIAL	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³
1,1,1-Trichloroethane	170,000	730,000	2,200,000	< 2.7	88	< 4.98	35	63	NS	< 49.8	225	7.1 J	11.6	0.6 J
1,1,2,2-Tetrachloroethane	1.6	7	21	< 2.5	< 16	< 6.5	< 3.25	< 3.25	NS	< 65	< 3.25	< 3.25	< 0.325	< 0.325
1,1,2-Trichloroethane	0.7	2.9	8.8	< 0.98	< 6.3	< 5.16	< 2.58	< 2.58	NS	< 51.6	< 2.58	< 2.58	< 0.258	< 0.258
1,1-Dichloroethane	600	2,600	7,700	7.1 J	5500	1510	610	480	NS	14700	222	< 1.87	0.84	2.48
1,1-Dichloroethene	7,000	29,000	88,000	< 0.79	8.7 J	< 4.2	< 2.1	< 2.1	NS	< 42	< 2.1	< 2.1	< 0.21	< 0.21
1,2,4-Trichlorobenzene	700	2933	8,800	< 12	< 76	< 13.14	< 6.57	< 6.57	NS	< 131.4	< 6.57	< 6.57	< 0.657	< 0.657
1,2,4-Trimethylbenzene	2,100	8,700	26,000	< 2.5	290	< 5.66	4000 10	17.2	NS	4400	7.8 J	3.4 J	0.93	1.52
1,2-Dichlorobenzene	700	2933	8,800	< 4.6	< 29	< 4.7	< 2.35	< 2.35	NS	< 47	< 2.35	< 2.35	< 0.235	< 0.235
1,2-Dichloroethane	36	160	470	< 1	< 6.5	< 4.8	< 2.4	< 2.4	NS	< 48	< 2.4	< 2.4	< 0.24	< 0.24
1,2-Dichloropropane	14	60	180	< 1.2	< 7.4	< 5.6	< 2.8	< 2.8	NS	< 56	< 2.8	< 2.8	< 0.28	< 0.28
1,2-Dichlorotetrafluoroethane	---	---	---	< 2.2	< 14 *	< 8.92	< 4.46	< 4.46	NS	< 89.2	< 4.46	< 4.46	< 0.446	< 0.446
1,3,5-Trimethylbenzene	2,100	8,700	26,000	< 2.7	190	< 4.64	940	760	NS	1280	< 2.32	< 2.32	0.294 J	0.39 J
1,3-Butadiene	---	---	---	NA	NA	< 2.86	< 1.43	< 1.43	NS	< 28.6	< 1.43	< 1.43	< 0.143	< 0.143
1,3-Dichlorobenzene	---	---	---	< 2.4	17 J	< 6.04	< 3.02	< 3.02	NS	< 60.4	< 3.02	< 3.02	< 0.302	< 0.302
1,4-Dichlorobenzene	8	37	110	2.8 J	< 15	< 6.04	< 3.02	6 J	NS	< 60.4	7.2 J	7.2 J	< 0.302	3.4
1,4-Dioxane	18	83.3	250	< 2.7	< 17	< 3.14	< 1.57	< 1.57	NS	< 31.4	< 1.57	< 1.57	< 0.157	< 0.157
2-Hexanone	---	---	---	NA	NA	< 4.44	< 2.22	< 2.22	NS	< 44.4	< 2.22	< 2.22	< 0.222	0.246 J
4-Ethyltoluene	---	---	---	NA	NA	< 4.28	2050	< 2.14	NS	2890	< 2.14	< 2.14	0.49 J	0.294 J
Acetone	106,667	466,667	1,400,000	160	350 J	28.5	< 2.99	43	NS	1970	8.6 J	23.8	69	27
Acrolein	---	---	---	NA	NA	< 1.88	< 0.94	< 0.94	NS	< 18.8	< 0.94	< 0.94	< 0.094	< 0.094
Benzene	120	530	1,600	5 J	42	19.2	256	< 1.36	NS	9300	< 1.36	< 1.36	1.72	0.192 J
Benzyl Chloride	1.9	8	25	< 4.9	< 31	< 4.18	< 2.09	< 2.09	NS	62 J	< 2.09	< 2.09	< 0.209	< 0.209
Bromodichloromethane	2.53	11	33	< 2.9	< 19	< 7.48	< 3.74	< 3.74	NS	< 74.8	< 3.74	< 3.74	< 0.374	< 0.374
Bromoform	86.6	367	1,100	< 2.3	< 15	< 8.28	< 4.14	< 4.14	NS	< 82.8	< 4.14	< 4.14	< 0.414	< 0.414
Bromomethane	17.3	73	220	< 2.2	< 14	< 4	< 2	< 2	NS	< 40	< 2	< 2	< 0.2	< 0.2
Carbon Disulfide	2,433	10,333	31,000	5.4 J	< 5.6	< 2.76	< 1.38	< 1.38	NS	2360	< 1.38	< 1.38	9.9	2.58
Carbon Tetrachloride	156	667	2,000	< 1.1	< 7.2	< 6.14	< 3.07	< 3.07	NS	< 61.4	< 3.07	< 3.07	< 0.307	< 0.307
Chlorobenzene	173	733	2,200	< 0.74	< 4.7	< 5.02	< 2.51	< 2.51	NS	< 50.2	< 2.51	< 2.51	< 0.251	< 0.251
Chloroethane	33,333	146,667	440,000	< 1.9	< 12	125	8.2	< 1.59	NS	1180	< 1.59	< 1.59	< 0.159	< 0.159
Chloroform	3,100	13,000	39,000	< 0.78	25 J	< 6	< 3	< 3	NS	< 60	< 3	< 3	0.49 J	< 0.3
Chloromethane	3,100	13,000	39,000	< 3.4	< 22	< 16.62	< 8.31	< 8.31	NS	< 166.2	< 8.31	< 8.31	< 0.831	< 0.831
cis-1,2-Dichloroethene	---	---	---	< 0.99	710	< 3.94	65	36	NS	198	33	< 1.97	0.36 J	0.238 J
cis-1,3-Dichloropropene	---	---	---	< 1.8	< 11	< 4.68	< 2.34	< 2.34	NS	< 46.8	< 2.34	< 2.34	< 0.234	< 0.234
Cyclohexane	3,333	14,667	44,000	5.1 J	61 J	185	330	< 2.12	NS	27500	< 2.12	< 2.12	0.45 J	< 0.212
Dibromochloromethane	---	---	---	< 1.4	< 9.3	< 7.52	< 3.76	< 3.76	NS	< 75.2	< 3.76	< 3.76	< 0.376	< 0.376
Dichlorodifluoromethane	3,300	14,667	44,000	4.4 J	< 11	< 5.26	2.97 J	4.9 J	NS	168	< 2.63	< 2.63	2.27	2.57
EDB (1,2-Dibromoethane)	0.157	0.67	2	< 1.3	< 8.4	< 6.84	< 3.42	< 3.42	NS	< 68.4	< 3.42	< 3.42	< 0.342	< 0.342
Ethanol	---	---	---	NA	NA	54	35	77	NS	1180	13.8	470	1.62	16.8
Ethyl Acetate	---	---	---	NA	NA	< 3.52	< 1.76	< 1.76	NS	< 35.2	< 1.76	< 1.76	< 0.176	1.12
Ethylbenzene	370	1,600	4,900	2.1 J	46 J	< 4.06	1000	< 2.03	NS	4800	< 2.03	< 2.03	1.82	0.43 J
Heptane	---	---	---	NA	NA	8.2 J	500	< 2.65	NS	22700	< 2.65	< 2.65	26.1	1.02
Hexachlorobutadiene	4.3	19	56	< 8.5	< 55	< 9.78	< 4.89	< 4.89	NS	< 97.8	< 4.89	< 4.89	< 0.489	< 0.489
Hexane	1,400	6,000	18,000	11 J	660	350	1770	< 2.35	NS	174000	< 2.35	< 2.35	11.1	< 0.235
Isopropyl Alcohol	---	---	---	< 6.9	< 44	9.3	5.2	9.1	NS	128	2.46 J	12.3	0.91	1.89
m&p-Xylene	3,300	15,000	44,000	< 3.2	47 J	< 7.54	970	< 3.77	NS	3900	< 3.77	< 3.77	3.3	1.26
Methyl ethyl ketone (MEK)	17,333	73,333	220,000	22 J	< 35	< 3.56	< 1.78	< 1.78	NS	320	< 1.78	< 1.78	11.8	3.7 J
Methyl isobutyl ketone (MIBK)	10,333	43,333	130,000	< 5.5	< 35	< 3.36	< 1.68	< 1.68	NS	< 33.6	< 1.68	< 1.68	8.3	0.41
Methyl Methacrylate	---	---	---	NA	NA	< 4.34	< 2.17	< 2.17	NS	< 43.4	< 2.17	< 2.17	< 0.217	< 0.217
Methyl tert-butyl ether (MTBE)	3,700	16,000	47,000	< 4.7	< 30	< 3.2	< 1.6	< 1.6	NS	< 32	< 1.6	< 1.6	< 0.16	< 0.16
Methylene chloride	21,000	87,000	260,000	< 13	< 81	< 3.18	< 1.59	< 1.59	NS	< 31.8	< 1.59	< 1.59	15.1	< 0.159

TABLE 1
SUB-SLAB VAPOR ANALYTICAL RESULTS
EAST BLOCK
COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP - MILWAUKEE, WI

CHEMICAL (ug/m ³)	SUB-SLAB VAPOR VRSL			SSV-1	SSV-2	SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8	SS-9
	AF = 0.03	AF = 0.03	AF = 0.01	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT
	<i>RESIDENTIAL</i>	SMALL COMMERCIAL	LARGE COMMERCIAL / INDUSTRIAL	6/12/2020 ug/m ³	6/12/2020 ug/m ³	12/4/2020 ug/m ³	12/4/2020 ug/m ³	12/4/2020 ug/m ³	NS ug/m ³	12/4/2020 ug/m ³	12/4/2020 ug/m ³	12/4/2020 ug/m ³	12/4/2020 ug/m ³	12/4/2020 ug/m ³
Naphthalene	28	6,000	360	< 10	< 64	< 13.5	< 6.75	< 6.75	NS	< 135	< 6.75	< 6.75	5.4	< 0.675
o-Xylene	3,300	15,000	44,000	1.7 J	38 J	< 4.36	71	< 2.18	NS	530	< 2.18	< 2.18	1.78	0.61 J
Propene	---	---	---	NA	NA	27.5	25	< 0.79	NS	1590	< 0.79	< 0.79	8.5	1.39
Styrene	3,333	14,667	44,000	< 2.6	< 16	< 3.62	< 1.81	< 1.81	NS	< 36.2	< 1.81	< 1.81	0.38 J	0.72
Tetrachloroethene	1,400	6,000	18,000	< 1.2	100	< 5.56	14.3	15.6	NS	1340	4.1 J	8.1 J	13.4	3.4
Tetrahydrofuran	7,000	29,333	88,000	< 4.3	< 27	< 2.62	< 1.31	< 1.31	NS	< 26.2	< 1.31	< 1.31	1.36	< 0.131
Toluene	170,000	730,000	2,200,000	9	76	< 3.68	22.6	4.9 J	NS	530	4.5 J	3.8 J	3.2	4.3
trans-1,2-Dichloroethene	---	---	---	< 0.63	< 4.1	19.8	31.3	9.1	NS	1870	41	< 2.31	< 0.231	0.32
trans-1,3-Dichloropropene	---	---	---	< 0.95	< 6.1	< 3.96	< 1.98	< 1.98	NS	< 39.6	< 1.98	< 1.98	< 0.198	< 0.198
Trichloroethene (TCE)	70	290	880	15	310	< 4.74	61	190	NS	161	141	93	8	1.66
Trichlorofluoromethane	---	---	---	2.2 J	< 6.5	< 6.74	< 3.37	< 3.37	NS	< 67.4	< 3.37	< 3.37	1.24	1.4
Trichlorotrifluoroethane	---	---	---	NA	NA	208	380	330	NS	380	44	< 4.02	3.6	0.54
Vinyl acetate	700	2933	8,800	< 2.5	< 16	< 4.06	< 2.03	< 2.03	NS	< 40.6	< 2.03	< 2.03	< 0.203	< 0.203
Vinyl Chloride	57	930	2,800	< 1.7	16 J	< 2.96	5.1	< 1.48	NS	830	< 1.48	< 1.48	< 0.148	< 0.148

Comments

All results in micrograms per cubic meter (ug/m³)

"J" Flag = Analyte detected between Limit of Detection and Limit of Quantitation

"10" Code = Linear Range of Calibration Curve Exceeded

" * " Flag = Laboratory Control Sample or Sample Duplicates Outside Acceptable Limits

VRSL = Vapor Risk Screening Levels

NA = Not Analyzed

NS = Not Sampled

BOLD indicates detection is above Large Commercial / Industrial VRSLs

Italics indicates detection is above Residential VRSLs

**TABLE 1
SUB-SLAB VAPOR ANALYTICAL RESULTS
EAST BLOCK
COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP - MILWAUKEE, WI**

CHEMICAL (ug/m ³)	SUB-SLAB VAPOR VRSL			SS-10	SS-11	SS-12	SS-13	SS-14	SS-15	SS-16	SS-17	SS-18	SS-19	SS-20	SS-21	SS-22	SS-23	SS-24	SS-25	
	AF = 0.03	AF = 0.03	AF = 0.01	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	
	RESIDENTIAL	SMALL COMMERCIAL	LARGE COMMERCIAL / INDUSTRIAL	12/4/2020	12/4/2020	12/16/2020	12/4/2020	12/16/2020	12/4/2020	12/4/2020	12/4/2020	12/4/2020	12/4/2020	12/16/2020	12/4/2020	12/3/2020	12/3/2020	12/3/2020	12/16/2020	12/16/2020
	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
1,1,1-Trichloroethane	170,000	730,000	2,200,000	157	< 2.49	22.3	< 0.249	20.9	25	34	360	150	57	210	20.9	9.7	17.7	1.2	31.3	
1,1,2,2-Tetrachloroethane	1.6	7	21	< 3.25	< 3.25	< 0.325	< 0.325	< 0.325	< 3.25	< 3.25	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325
1,1,2-Trichloroethane	0.7	2.9	8.8	< 2.58	< 2.58	< 0.258	< 0.258	< 0.258	< 2.58	< 2.58	< 0.258	< 0.258	< 0.258	2.61	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	2.12
1,1-Dichloroethane	600	2,600	7,700	890	1220	0.68	0.88	1740	400	3.2 J	0.76	2.28	1.76	50	< 0.187	< 0.187	< 0.187	0.96	2.72	
1,1-Dichloroethene	7,000	29,000	88,000	4.8 J	< 2.1	< 0.21	< 0.21	28.6	< 2.1	< 2.1	< 0.21	< 0.21	< 0.21	0.67	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	
1,2,4-Trichlorobenzene	700	2933	8,800	< 6.57	< 6.57	< 0.657	< 0.657	< 0.657	< 6.57	< 6.57	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657
1,2,4-Trimethylbenzene	2,100	8,700	26,000	30.9	2.94 J	0.74 J	2.4	0.49 J	< 2.83	< 2.83	0.98	0.98	2.7	0.83 J	2.01	0.93	2.26	1.37	0.64 J	
1,2-Dichlorobenzene	700	2933	8,800	< 2.35	< 2.35	< 0.235	< 0.235	< 0.235	< 2.35	< 2.35	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235
1,2-Dichloroethane	36	160	470	< 2.4	< 2.4	< 0.24	< 0.24	< 0.24	< 2.4	< 2.4	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,2-Dichloropropane	14	60	180	< 2.8	< 2.8	< 0.28	< 0.28	< 0.28	< 2.8	< 2.8	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2-Dichlorotetrafluoroethane	---	---	---	< 4.46	< 4.46	< 0.446	< 0.446	< 0.446	< 4.46	< 4.46	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446
1,3,5-Trimethylbenzene	2,100	8,700	26,000	203	< 2.32	< 0.232	0.69 J	< 0.232	< 2.32	< 2.32	0.245 J	0.245 J	0.44 J	< 0.232	0.49 J	< 0.232	0.54 J	0.34 J	< 0.232	
1,3-Butadiene	---	---	---	< 1.43	< 1.43	< 0.143	< 0.143	< 0.143	< 1.43	< 1.43	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143
1,3-Dichlorobenzene	---	---	---	< 3.02	< 3.02	< 0.302	< 0.302	< 0.302	< 3.02	< 3.02	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302
1,4-Dichlorobenzene	8	37	110	< 3.02	7.2 J	1.02	2.88	0.84 J	7.8 J	7.8 J	2.34	2.4	1.26	2.64	4.6	4.2	5.1	1.92	1.2	
1,4-Dioxane	18	83.3	250	< 1.57	< 1.57	< 0.157	< 0.157	< 0.157	< 1.57	< 1.57	< 0.157	< 0.157	1.19	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	
2-Hexanone	---	---	---	< 2.22	< 2.22	< 0.222	0.74	< 0.222	< 2.22	< 2.22	< 0.37 J	0.286 J	< 0.222	< 0.222	0.49 J	0.45 J	0.61 J	< 0.222	< 0.222	
4-Ethyltoluene	---	---	---	37	< 2.14	< 0.214	0.49 J	< 0.214	< 2.14	< 2.14	< 0.214	< 0.214	0.98	< 0.214	0.294 J	< 0.214	0.34 J	0.44 J	0.245 J	
Acetone	106,667	466,667	1,400,000	45	5.9 J	NA	57	NA	11.2	4.8 J	36	15.4	NA	11	39	15	20.4	NA	NA	
Acrolein	---	---	---	< 0.94	< 0.94	< 0.094	< 0.094	< 0.094	< 0.94	< 0.94	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	
Benzene	120	530	1,600	5.7	< 1.36	< 0.136	1.56	0.16 J	< 1.36	< 1.36	0.64	0.54	0.42 J	5.1	0.54	0.64	0.38 J	0.73	1.95	
Benzyl Chloride	1.9	8	25	< 2.09	< 2.09	< 0.209	< 0.209	< 0.209	< 2.09	< 2.09	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	
Bromodichloromethane	2.53	11	33	< 3.74	< 3.74	< 0.374	< 0.374	< 0.374	< 3.74	< 3.74	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	
Bromoform	86.6	367	1,100	< 4.14	< 4.14	< 0.414	< 0.414	< 0.414	< 4.14	< 4.14	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	
Bromomethane	17.3	73	220	< 2	< 2	< 0.2	< 0.2	< 0.2	< 2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	
Carbon Disulfide	2,433	10,333	31,000	6.8	< 1.38	0.84	114	1.03	5	< 1.38	5.3	0.96	< 0.138	1	1.06	1.56	0.81	0.187 J	0.218 J	
Carbon Tetrachloride	156	667	2,000	< 3.07	< 3.07	< 0.307	< 0.307	< 0.307	< 3.07	< 3.07	0.44 J	1.32	< 0.307	0.5 J	0.38 J	< 0.307	0.38 J	0.5 J	0.57 J	
Chlorobenzene	173	733	2,200	< 2.51	< 2.51	< 0.251	< 0.251	< 0.251	< 2.51	< 2.51	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	
Chloroethane	33,333	146,667	440,000	< 1.59	< 1.59	< 0.159	< 0.159	< 0.159	< 1.59	< 1.59	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	
Chloroform	3,100	13,000	39,000	< 3	< 3	0.68 J	< 0.3	1.12	< 3	< 3	< 0.3	5.9	< 0.3	78	0.34 J	< 0.3	< 0.3	< 0.3	33	
Chloromethane	3,100	13,000	39,000	< 8.31	< 8.31	< 0.831	< 0.831	< 0.831	< 8.31	< 8.31	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	
cis-1,2-Dichloroethene	---	---	---	34	< 1.97	< 0.197	< 0.197	135	38	< 1.97	< 0.197	11.8	< 0.197	39	< 0.197	< 0.197	< 0.197	< 0.197	25.2	
cis-1,3-Dichloropropene	---	---	---	< 2.34	< 2.34	< 0.234	< 0.234	< 0.234	< 2.34	< 2.34	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	
Cyclohexane	3,333	14,667	44,000	4.8 J	< 2.12	< 0.212	< 0.212	< 0.212	< 2.12	< 2.12	< 0.212	< 0.212	< 0.212	0.48 J	< 0.212	< 0.212	< 0.212	1.14	< 0.212	
Dibromochloromethane	---	---	---	< 3.76	< 3.76	< 0.376	< 0.376	< 0.376	< 3.76	< 3.76	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	
Dichlorodifluoromethane	3,300	14,667	44,000	< 2.63	< 2.63	2.37	2.42	2.62	< 2.63	< 2.63	2.47	2.42	2.67	2.13	2.03	1.98	2.42	3.4	2.87	
EDB (1,2-Dibromoethane)	0.157	0.67	2	< 3.42	< 3.42	< 0.342	< 0.342	< 0.342	< 3.42	< 3.42	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	
Ethanol	---	---	---	< 1.52	< 1.52	NA	108 ¹⁰	NA	22.2	10.7	54	29.3	NA	21.3	67	69	122	NA	NA	
Ethyl Acetate	---	---	---	< 1.76	< 1.76	< 0.176	< 0.176	< 0.176	< 1.76	< 1.76	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	
Ethylbenzene	370	1,600	4,900	13	< 2.03	0.217 J	1.3	< 0.203	< 2.03	< 2.03	0.78	0.56 J	0.52 J	0.48 J	0.61 J	0.74	0.87	0.61 J	0.43 J	
Heptane	---	---	---	8.6	< 2.65	0.74 J	1.43	0.98	< 2.65	< 2.65	2.53	2.04	0.98	0.94	1.02	1.14	0.78 J	0.94	0.78 J	
Hexachlorobutadiene	4.3	19	56	< 4.89	< 4.89	< 0.489	< 0.489	< 0.489	< 4.89	< 4.89	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	
Hexane	1,400	6,000	18,000	21.5	< 2.35	1.2	7.9	0.85	< 2.35	< 2.35	1.27	1.27	0.63 J	< 0.235	0.88	0.85	0.74 J	9.3	0.95	
Isopropyl Alcohol	---	---	---	2.95 J	2.46 J	0.61	3.4	2.38	4.2	2.7 J	2.73	1.57	4.1	1.06	4.1	2.73	4.1	0.74	1.08	
m&p-Xylene	3,300	15,000	44,000	18.2	< 3.77	0.65 J	2.43	0.69 J	< 3.77	< 3.77	1.95	1.56	1.04 J	1.26	1.78	1.56	2.04	0.91 J	0.87 J	
Methyl ethyl ketone (MEK)	17,333	73,333	220,000	14.4	< 1.78	< 0.178	7.7	1.24	< 1.78	< 1.78	4	1.5	1.33	0.94	4.3	1.95	3.6	< 0.178	2.27	
Methyl isobutyl ketone (MIBK)	10,333	43																		

TABLE 1
SUB-SLAB VAPOR ANALYTICAL RESULTS
EAST BLOCK
COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP - MILWAUKEE, WI

CHEMICAL (ug/m ³)	SUB-SLAB VAPOR VRSL			SS-10	SS-11	SS-12	SS-13	SS-14	SS-15	SS-16	SS-17	SS-18	SS-19	SS-20	SS-21	SS-22	SS-23	SS-24	SS-25	
	AF = 0.03	AF = 0.03	AF = 0.01	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	
	<i>RESIDENTIAL</i>	SMALL COMMERCIAL	LARGE COMMERCIAL / INDUSTRIAL	12/4/2020	12/4/2020	12/16/2020	12/4/2020	12/16/2020	12/4/2020	12/4/2020	12/4/2020	12/4/2020	12/4/2020	12/16/2020	12/4/2020	12/3/2020	12/3/2020	12/3/2020	12/16/2020	12/16/2020
			ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Naphthalene	28	6,000	360	< 6.75	< 6.75	< 0.675	< 0.675	< 0.675	< 6.75	< 6.75	< 0.675	< 0.675	< 0.675	< 0.675	< 0.675	0.84 J	< 0.675	0.94 J	< 0.675	< 0.675
o-Xylene	3,300	15,000	44,000	71	< 2.18	0.303 J	1.21	0.26 J	< 2.18	< 2.18	0.78	0.61 J	0.39 J	0.52 J	0.82	0.69 J	0.95	0.39 J	0.39 J	0.39 J
Propene	---	---	---	17.9	< 0.79	< 0.079	5.6	< 0.079	< 0.79	< 0.79	7.4	0.57	< 0.079	1.17	0.5	6.8	0.38	< 0.079	< 0.079	< 0.079
Styrene	3,333	14,667	44,000	< 1.81	< 1.81	< 0.181	1.23	< 0.181	< 1.81	< 1.81	1.19	1.11	0.34 J	1.11	0.89	0.64	1.66	0.34 J	0.255 J	0.255 J
Tetrachloroethene	1,400	6,000	18,000	14.9	< 2.78	8.8	0.95	4.3	3.4 J	< 2.78	1.56	3.3	1.49	10.5	1.09	0.48 J	7.4	< 0.278	51	51
Tetrahydrofuran	7,000	29,333	88,000	< 1.31	< 1.31	< 0.131	0.85	< 0.131	< 1.31	< 1.31	0.56	< 0.131	< 0.131	< 0.131	0.59	< 0.131	< 0.131	< 0.131	< 0.131	< 0.131
Toluene	170,000	730,000	2,200,000	9	4.5 J	6	9.3	6.9	4.1 J	4.5 J	9.1	7.4	12	5.4	2.37	2.41	2.67	7.3	6.4	6.4
trans-1,2-Dichloroethene	---	---	---	< 2.31	< 2.31	< 0.231	< 0.231	258	15.1	< 2.31	< 0.231	5.5	< 0.231	9.8	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	7.3
trans-1,3-Dichloropropene	---	---	---	< 1.98	< 1.98	< 0.198	< 0.198	< 0.198	< 1.98	< 1.98	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198
Trichloroethene (TCE)	70	290	880	70	17.1	15.6	5.9	15.1	6.4 J	246	16.8	1730	25.3	63000	31.4	51	360	1.07	85000	85000
Trichlorofluoromethane	---	---	---	< 3.37	< 3.37	1.18	1.35	1.4	< 3.37	< 3.37	1.74	2.53	3.5	1.4	1.35	1.69	1.52	1.69	1.69	1.69
Trichlorotrifluoroethane	---	---	---	340	10 J	0.84 J	0.54 J	35	4.6 J	< 4.02	0.61 J	0.54 J	0.61 J	0.46 J	0.54 J	0.54 J	0.61 J	0.77 J	0.77 J	0.77 J
Vinyl acetate	700	2933	8,800	< 2.03	< 2.03	< 0.203	< 0.203	< 0.203	< 2.03	< 2.03	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203
Vinyl Chloride	57	930	2,800	< 1.48	< 1.48	< 0.148	< 0.148	2.66	< 1.48	< 1.48	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148

Comments

All results in micrograms per cubic meter (ug/m³)

"J" Flag = Analyte detected between Limit of Detection and Limit of Quantitation

"10" Code = Linear Range of Calibration Curve Exceeded

"*" Flag = Laboratory Control Sample or Sample Duplicates Outside Acceptable Limits

VRSL = Vapor Risk Screening Levels

NA = Not Analyzed

NS = Not Sampled

BOLD indicates detection is above Large Commercial / Industrial VRSLs

Italics indicates detection is above Residential VRSLs

**TABLE 1
SUB-SLAB VAPOR ANALYTICAL RESULTS
EAST BLOCK
COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP - MILWAUKEE, WI**

CHEMICAL (ug/m ³)	SUB-SLAB VAPOR VRSL			SS-26	SS-27	SS-28	SS-29	SS-30	SS-31	SS-32	SS-33	SS-34	SS-35	SS-36	SS-37	SS-38	SS-39	SS-40	SS-41	
	AF = 0.03	AF = 0.03	AF = 0.01	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	
	RESIDENTIAL	SMALL COMMERCIAL	LARGE COMMERCIAL / INDUSTRIAL	12/3/2020	12/3/2020	12/3/2020	12/3/2020	12/3/2020	12/3/2020	12/3/2020	12/3/2020	12/3/2020	12/3/2020	12/3/2020	12/3/2020	12/16/2020	12/3/2020	12/16/2020	NS	12/16/2020
			ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
1,1,1-Trichloroethane	170,000	730,000	2,200,000	59	26.7	7.7	6.6	2.61	1.09	29	8.2	9.6	2.83	4.3	3.3	7.9	< 498	NS	234	
1,1,2,2-Tetrachloroethane	1.6	7	21	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 650	NS	< 32.5
1,1,2-Trichloroethane	0.7	2.9	8.8	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 516	NS	< 25.8
1,1-Dichloroethane	600	2,600	7,700	< 0.187	0.2 J	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	960 J	NS	540
1,1-Dichloroethene	7,000	29,000	88,000	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 420	NS	< 21
1,2,4-Trichlorobenzene	700	2933	8,800	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 1314	NS	< 65.7
1,2,4-Trimethylbenzene	2,100	8,700	26,000	1.52	8	1.62	1.13	1.18	0.54 J	1.18	1.62	1.62	3.5	1.08	0.64 J	0.88 J	< 566	NS	74 J	
1,2-Dichlorobenzene	700	2933	8,800	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 470	NS	< 23.5
1,2-Dichloroethane	36	160	470	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 480	NS	< 24
1,2-Dichloropropane	14	60	180	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 560	NS	< 28
1,2-Dichlorotetrafluoroethane	---	---	---	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 892	NS	< 44.6
1,3,5-Trimethylbenzene	2,100	8,700	26,000	0.44 J	1.77	0.49 J	0.294 J	0.34 J	< 0.232	0.294 J	0.44 J	0.39 J	1.18	0.294 J	< 0.232	< 0.232	< 464	NS	44 J	
1,3-Butadiene	---	---	---	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 286	NS	< 14.3
1,3-Dichlorobenzene	---	---	---	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 604	NS	< 30.2
1,4-Dichlorobenzene	8	37	110	6.9	7.2	5	6.3	3.8	2.4	6.7	6.6	9.8	4.4	5	1.08	3.2	< 604	NS	< 30.2	
1,4-Dioxane	18	83.3	250	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 314	NS	< 15.7	
2-Hexanone	---	---	---	0.65 J	0.49 J	1.06	1.84	< 0.222	0.49 J	0.41 J	< 0.222 J	0.45 J	0.86	0.37 J	0.65 J	0.37 J	< 444	NS	< 22.2	
4-Ethyltoluene	---	---	---	0.294 J	1.28	< 0.214	< 0.214	0.245 J	< 0.214	< 0.214	< 0.214	< 0.214	0.78	< 0.214	0.245 J	< 0.214	< 428	NS	29.4 J	
Acetone	106,667	466,667	1,400,000	17.9	22	143	18.6	18.9	63	9.6	12.1	15.6	45	21.4	NA	17.4	NA	NS	NA	
Acrolein	---	---	---	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	0.275	< 0.094	2.7	0.138 J	< 0.094	0.64	< 188	NS	229	
Benzene	120	530	1,600	1.28	0.57	0.61	0.77	2.27	0.57	0.45	0.35 J	0.35 J	0.83	0.57	0.35 J	0.32 J	5100	NS	217	
Benzyl Chloride	1.9	8	25	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 418	NS	< 20.9
Bromodichloromethane	2.53	11	33	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 748	NS	< 37.4
Bromoform	86.6	367	1,100	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 828	NS	< 41.4
Bromomethane	17.3	73	220	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 400	NS	< 20
Carbon Disulfide	2,433	10,333	31,000	0.96	0.68	13.8	0.87	60	3.08	0.4 J	3.14	1.21	1.37	0.34 J	0.68	0.4 J	< 276	NS	1180	
Carbon Tetrachloride	156	667	2,000	0.5 J	0.44 J	< 0.307	< 0.307	< 0.307	< 0.307	< 0.307	< 0.307	0.38 J	0.44 J	0.5 J	< 0.307	0.5 J	< 614	NS	< 30.7	
Chlorobenzene	173	733	2,200	< 0.251	< 0.251	< 0.251	< 0.251	0.277 J	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	< 502	NS	< 25.1	
Chloroethane	33,333	146,667	440,000	< 0.159	< 0.159	0.66	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	1790	NS	69	
Chloroform	3,100	13,000	39,000	10.8	4.2	0.78 J	< 0.3	0.49 J	< 0.3	< 0.3	1.56	< 0.3	2.77	0.83 J	0.63 J	< 0.3	< 600	NS	< 30	
Chloromethane	3,100	13,000	39,000	< 0.831	< 0.831	2.39 J	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	< 1662	NS	< 83.1	
cis-1,2-Dichloroethene	---	---	---	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 394	NS	1860	
cis-1,3-Dichloropropene	---	---	---	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 468	NS	< 23.4	
Cyclohexane	3,333	14,667	44,000	< 0.212	< 0.212	< 0.212	< 0.212	< 0.212	< 0.212	< 0.212	< 0.212	< 0.212	0.31 J	< 0.212	< 0.212	< 0.212	16400	NS	460	
Dibromochloromethane	---	---	---	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 752	NS	< 37.6	
Dichlorodifluoromethane	3,300	14,667	44,000	3.2	2.67	2.32	2.37	2.67	1.19	2.18	2.27	2.22	2.42	2.52	2.92	2.57	< 526	NS	< 26.3	
EDB (1,2-Dibromoethane)	0.157	0.67	2	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 684	NS	< 34.2	
Ethanol	---	---	---	56	138	102	42	0.9	1.11	37	34	19.7	41	56	NA	18.4	NA	NS	NA	
Ethyl Acetate	---	---	---	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 352	NS	< 17.6	
Ethylbenzene	370	1,600	4,900	0.65	2.08	0.56 J	0.48 J	1.13	0.35 J	0.43 J	0.61 J	0.303 J	2.34	0.43 J	0.303 J	1	< 406	NS	48 J	
Heptane	---	---	---	1.55	0.94	2	1.84	3.03	1.06	1.06	1.23	< 0.265	9.2	1.23	1.06	1.64	1230 J	NS	57 J	
Hexachlorobutadiene	4.3	19	56	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 978	NS	< 48.9	
Hexane	1,400	6,000	18,000	1.83	1.06	1.27	0.53 J	1.59	< 0.235	< 0.235	0.46 J	0.46 J	1.94	0.85	0.63 J	0.247 J	134000	NS	3080	
Isopropyl Alcohol	---	---	---	2.78	2.09	7.2	2.43	0.66	0.39	1.35	1.47	1.15	1.45	2.87	1.45	1.08	4100	NS	61	
m&p-Xylene	3,300	15,000	44,000	1.6	5.9	1.56	1.21	2.34	1.17 J	1.13 J	1.47	0.87 J	6.9	1.13 J	0.78 J	1.78	< 754	NS	56 J	
Methyl ethyl ketone (MEK)	17,333	73,333	220,000	2.27	5.2	18.6	3.6	1.89	11.2	1.71	1.71	2.51	4.5	2.15	1.47	2.15	< 356	NS	289	
Methyl isobutyl ketone (MIBK)	10,333	43,333	130,000	0.82	0.74	1.1	1.15	0.33 J	1.47	0.41 J	< 0.168	0.45 J	0.57	0.53 J	0.33 J	0.41 J	< 336	NS	< 16.8	
Methyl Methacrylate	---	---	---	< 0.217	< 0.217	< 0.217	< 0.217	< 0.217	< 0.217	< 0.217	< 0.217	< 0.217	< 0.217	< 0.217	< 0.217	< 0.217	< 434	NS	< 21.7	
Methyl tert-butyl ether (MTBE)	3,700	16,000	47,000	< 0.16	< 0.16	< 0.16	< 0.16	0.18 J	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 320	NS	< 16	
Methylene chloride	21,000	87,000	260,000	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 318	NS	< 15.9	

TABLE 1
SUB-SLAB VAPOR ANALYTICAL RESULTS
EAST BLOCK
COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP - MILWAUKEE, WI

CHEMICAL (ug/m ³)	SUB-SLAB VAPOR VRSL			SS-26	SS-27	SS-28	SS-29	SS-30	SS-31	SS-32	SS-33	SS-34	SS-35	SS-36	SS-37	SS-38	SS-39	SS-40	SS-41	
	AF = 0.03	AF = 0.03	AF = 0.01	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	
	<i>RESIDENTIAL</i>	SMALL COMMERCIAL	LARGE COMMERCIAL / INDUSTRIAL	12/3/2020	12/3/2020	12/3/2020	12/3/2020	12/3/2020	12/3/2020	12/3/2020	12/3/2020	12/3/2020	12/3/2020	12/3/2020	12/3/2020	12/16/2020	12/3/2020	12/16/2020	NS	12/16/2020
			ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Naphthalene	28	6,000	360	< 0.675	0.89 J	< 0.675	< 0.675	< 0.675	< 0.675	< 0.675	< 0.675	0.94 J	1.15 J	< 0.675	< 0.675	< 0.675	< 1350	NS	< 67.5	
o-Xylene	3,300	15,000	44,000	0.74	2.34	0.78	0.56 J	1.04	0.39 J	0.52 J	0.74	0.48 J	2.86	0.48 J	0.303 J	0.78	< 436	NS	52 J	
Propene	---	---	---	1.07	0.52	6	0.43	6.1	3.8	2.67	2.53	3.6	3.2	3.8	< 0.079	3.3	< 158	NS	< 7.9	
Styrene	3,333	14,667	44,000	1.06	3.4	0.77	0.77	0.98	0.47 J	0.68	1.11	0.68	0.68	0.55 J	0.255 J	1.23	< 362	NS	< 18.1	
Tetrachloroethene	1,400	6,000	18,000	23.4	23.8	4.1	< 0.278	9.4	0.88 J	< 0.278	98	640	5.3	9.2	21.2	3.05	< 556	NS	285	
Tetrahydrofuran	7,000	29,333	88,000	< 0.131	< 0.131	< 0.131	< 0.131	0.59	0.71	< 0.131	0.41 J	< 0.131	0.74	0.68	< 0.131	< 0.131	< 262	NS	< 13.1	
Toluene	170,000	730,000	2,200,000	5.3	4.5	5.3	4.9	7.3	2.86	3.5	4.4	1.2	3.9	3.2	8.2	9.1	830 J	NS	87	
trans-1,2-Dichloroethene	---	---	---	0.238 J	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	0.277 J	< 0.231	< 0.231	< 0.231	< 462	NS	< 23.1	
trans-1,3-Dichloropropene	---	---	---	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 396	NS	< 19.8	
Trichloroethene (TCE)	70	290	880	6000	3700	250	6.5	6.3	3.6	54	570	253	2620	1010	117	112	< 474	NS	1400	
Trichlorofluoromethane	---	---	---	1.35	1.46	1.74	1.57	1.63	0.62 J	1.52	1.29	2.02	2.19	1.8	1.57	1.85	< 674	NS	< 33.7	
Trichlorotrifluoroethane	---	---	---	0.54 J	0.61 J	0.54 J	0.54 J	0.54 J	< 0.402	0.54 J	0.54 J	0.61 J	0.54 J	0.61 J	0.69 J	0.61 J	< 804	NS	< 40.2	
Vinyl acetate	700	2933	8,800	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 406	NS	< 20.3	
Vinyl Chloride	57	930	2,800	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	360 J	NS	23 J	

Comments

All results in micrograms per cubic meter (ug/m³)

"J" Flag = Analyte detected between Limit of Detection and Limit of Quantitation

"10" Code = Linear Range of Calibration Curve Exceeded

"*" Flag = Laboratory Control Sample or Sample Duplicates Outside Acceptable Limits

VRSL = Vapor Risk Screening Levels

NA = Not Analyzed

NS = Not Sampled

BOLD indicates detection is above Large Commercial / Industrial VRSLs

Italics indicates detection is above Residential VRSLs

**TABLE 1
SUB-SLAB VAPOR ANALYTICAL RESULTS
EAST BLOCK
COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP - MILWAUKEE, WI**

CHEMICAL (ug/m ³)	SUB-SLAB VAPOR VRSL			SS-42	SS-43	SS-44	SS-45	SS-46	SS-47	SS-48	SS-49	SS-50	SS-51
	AF = 0.03	AF = 0.03	AF = 0.01	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT
				12/16/2020	12/16/2020	12/16/2020	12/3/2020	12/16/2020	12/16/2020	12/3/2020	12/4/2020	12/16/2020	12/16/2020
	RESIDENTIAL	SMALL COMMERCIAL	LARGE COMMERCIAL / INDUSTRIAL	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
1,1,1-Trichloroethane	170,000	730,000	2,200,000	62	32	84	8.4	1.69	0.92	36	6.4	0.76 J	1040
1,1,2,2-Tetrachloroethane	1.6	7	21	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325
1,1,2-Trichloroethane	0.7	2.9	8.8	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258
1,1-Dichloroethane	600	2,600	7,700	28.5	390	32	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187
1,1-Dichloroethene	7,000	29,000	88,000	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
1,2,4-Trichlorobenzene	700	2933	8,800	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657
1,2,4-Trimethylbenzene	2,100	8,700	26,000	1.13	< 0.283	< 0.283	1.08	0.78 J	0.74 J	1.03	0.78	1.03	0.74 J
1,2-Dichlorobenzene	700	2933	8,800	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235
1,2-Dichloroethane	36	160	470	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,2-Dichloropropane	14	60	180	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2-Dichlorotetrafluoroethane	---	---	---	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446
1,3,5-Trimethylbenzene	2,100	8,700	26,000	0.245 J	< 0.232	< 0.232	< 0.232	< 0.232	< 0.232	< 0.232	< 0.232	< 0.232	< 0.232
1,3-Butadiene	---	---	---	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143
1,3-Dichlorobenzene	---	---	---	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302
1,4-Dichlorobenzene	8	37	110	1.2	< 0.302	1.44	8.5	1.14	1.08	7.9	2.22	1.32	1.26
1,4-Dioxane	18	83.3	250	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157
2-Hexanone	---	---	---	< 0.222	39	< 0.222	< 0.222	< 0.222	< 0.222	0.33 J	0.37	< 0.222	< 0.222
4-Ethyltoluene	---	---	---	0.39 J	< 0.214	< 0.214	< 0.214	0.294 J	0.34 J	< 0.214	< 0.214	0.39 J	0.294 J
Acetone	106,667	466,667	1,400,000	NA	NA	NA	29	NA	NA	7.8	16.3	NA	NA
Acrolein	---	---	---	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094
Benzene	120	530	1,600	0.224 J	208	0.192 J	1.18	< 0.136	0.16 J	< 0.136	0.45	0.224 J	0.7
Benzyl Chloride	1.9	8	25	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209
Bromodichloromethane	2.53	11	33	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374
Bromoform	86.6	367	1,100	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414
Bromomethane	17.3	73	220	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Carbon Disulfide	2,433	10,333	31,000	1.28	1.03	< 0.138	2.46	0.218 J	0.187 J	0.37 J	0.47	< 0.138	0.56
Carbon Tetrachloride	156	667	2,000	< 0.307	< 0.307	< 0.307	0.38 J	< 0.307	0.315 J	0.315 J	0.38 J	0.38 J	< 0.307
Chlorobenzene	173	733	2,200	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251
Chloroethane	33,333	146,667	440,000	< 0.159	9.9	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159
Chloroform	3,100	13,000	39,000	0.92 J	1.51	0.88 J	< 0.3	< 0.3	< 0.3	0.63 J	< 0.3	< 0.3	3.4
Chloromethane	3,100	13,000	39,000	< 0.831	< 0.831	< 0.831	0.89 J	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831
cis-1,2-Dichloroethene	---	---	---	21.5	9.4	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197
cis-1,3-Dichloropropene	---	---	---	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234
Cyclohexane	3,333	14,667	44,000	< 0.212	320	< 0.212	< 0.212	< 0.212	< 0.212	< 0.212	< 0.212	< 0.212	< 0.212
Dibromochloromethane	---	---	---	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376
Dichlorodifluoromethane	3,300	14,667	44,000	2.67	3.02	2.52	2.42	3.3	3.07	2.42	2.37	3.11	1.88
EDB (1,2-Dibromoethane)	0.157	0.67	2	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342
Ethanol	---	---	---	NA	NA	NA	21.7	NA	NA	131 ¹⁰	27.1	NA	NA
Ethyl Acetate	---	---	---	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176
Ethylbenzene	370	1,600	4,900	0.52 J	15	0.52 J	< 0.203	0.35 J	0.48 J	0.217 J	0.56 J	0.43 J	0.43 J
Heptane	---	---	---	1.02	31.2	1.43	< 0.265	0.98	1.02	< 0.265	2.62	1.23	1.43
Hexachlorobutadiene	4.3	19	56	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489
Hexane	1,400	6,000	18,000	0.7 J	2380	0.81	< 0.235	0.78	0.74 J	0.42 J	0.6 J	0.6 J	1.09
Isopropyl Alcohol	---	---	---	1.5	1.3	0.74	1.99	1.11	0.93	5.5	1.38	2.31	2.73
m&p-Xylene	3,300	15,000	44,000	1.13 J	0.65 J	1.04 J	0.61 J	0.95 J	1.08 J	0.65 J	1.47	1.26	0.95 J
Methyl ethyl ketone (MEK)	17,333	73,333	220,000	< 0.178	< 0.178	< 0.178	5.4	< 0.178	< 0.178	1.36	1.59	< 0.178	2.27
Methyl isobutyl ketone (MIBK)	10,333	43,333	130,000	< 0.168	< 0.168	< 0.168	0.286 J	< 0.168	< 0.168	0.33 J	0.286 J	< 0.168	< 0.168
Methyl Methacrylate	---	---	---	< 0.217	< 0.217	< 0.217	< 0.217	< 0.217	< 0.217	< 0.217	< 0.217	< 0.217	< 0.217
Methyl tert-butyl ether (MTBE)	3,700	16,000	47,000	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Methylene chloride	21,000	87,000	260,000	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159

**TABLE 1
SUB-SLAB VAPOR ANALYTICAL RESULTS
EAST BLOCK
COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP - MILWAUKEE, WI**

CHEMICAL (ug/m ³)	SUB-SLAB VAPOR VRSL			SS-42	SS-43	SS-44	SS-45	SS-46	SS-47	SS-48	SS-49	SS-50	SS-51
	AF = 0.03	AF = 0.03	AF = 0.01	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT
				12/16/2020	12/16/2020	12/16/2020	12/3/2020	12/16/2020	12/16/2020	12/3/2020	12/4/2020	12/16/2020	12/16/2020
	<i>RESIDENTIAL</i>	SMALL COMMERCIAL	LARGE COMMERCIAL / INDUSTRIAL	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Naphthalene	28	6,000	360	< 0.675	< 0.675	< 0.675	0.78 J	< 0.675	< 0.675	1.05 J	< 0.675	< 0.675	< 0.675
o-Xylene	3,300	15,000	44,000	0.52 J	0.91	0.48 J	0.303 J	0.35 J	0.48 J	0.303 J	0.61 J	0.52 J	0.43 J
Propene	---	---	---	< 0.079	< 0.079	< 0.079	3.2	< 0.079	< 0.079	2.65	1.7	< 0.079	< 0.079
Styrene	3,333	14,667	44,000	0.298 J	< 0.181	0.34 J	0.38 J	0.34 J	0.34 J	5	1.15	0.34 J	0.255 J
Tetrachloroethene	1,400	6,000	18,000	1.7	0.48 J	1.09	3.2	5.9	0.41 J	33	2.1	1.9	6.4
Tetrahydrofuran	7,000	29,333	88,000	< 0.131	< 0.131	< 0.131	< 0.131	< 0.131	< 0.131	< 0.131	< 0.131	< 0.131	< 0.131
Toluene	170,000	730,000	2,200,000	9.5	< 0.184	10.1	1.43	9.6	10.9	0.83	11.1	13.4	8.2
trans-1,2-Dichloroethene	---	---	---	3.6	5.9	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231
trans-1,3-Dichloropropene	---	---	---	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198
Trichloroethene (TCE)	70	290	880	150	144	13.7	148	2.04	3.6	52	170	1.82	870
Trichlorofluoromethane	---	---	---	1.18	1.69	1.01 J	1.57	1.46	1.8	1.4	1.46	2.47	1.24
Trichlorotrifluoroethane	---	---	---	8.4	1.15 J	0.54 J	0.61 J	0.54 J	0.77 J	0.54 J	0.61 J	0.77 J	0.69 J
Vinyl acetate	700	2933	8,800	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203
Vinyl Chloride	57	930	2,800	< 0.148	1.84	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148

Comments

All results in micrograms per cubic meter (ug/m³)

"J" Flag = Analyte detected between Limit of Detection and Limit of Quantitation

"10" Code = Linear Range of Calibration Curve Exceeded

" * " Flag = Laboratory Control Sample or Sample Duplicates Outside Acceptable Limits

VRSL = Vapor Risk Screening Levels

NA = Not Analyzed

NS = Not Sampled

BOLD indicates detection is above Large Commercial / Industrial VRSLs

Italics indicates detection is above Residential VRSLs