KSingh | Engineers Scientists Consultants

3636 N. 124th Street
Wauwatosa, WI 53222

Update to Post Closure Modification Request / Remedial Action Plan
The Community Within the Corridor Development
Former Wisconsin Industries Pension Plan & Trust
2748 N 32nd Street, Milwaukee, WI 53208
BRRTS # 02-41-263675 FID 24102540010200

Submitted To:
Ms. Jennifer Dorman
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
2300 North Martin Luther King Drive
Milwaukee, WI, 53212

KSingh | Engineers Scientists Consultants

March 19, 2021

Ms. Jennifer Dorman
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
2300 North Martin Luther King Drive
Milwaukee, WI, 53212

Project # 40405

Subject: **Update to Post Closure Modification Request / Remedial Action Plan**
The Community Within the Corridor Development
Former Wisconsin Industries Pension Plan & Trust
2748 N 32nd Street, Milwaukee, WI 53208
BRRTS # 02-41-263675 FID 241025400

Dear Ms. Dorman:

On behalf of the Community Within the Corridor Limited Partnership, K. Singh & Associates, Inc. (KSingh) submits this Updated Request for Post-Closure Modification / Remedial Action Plan for the referenced site. KSingh requests a review and approval of this submittal and has provided payment of the review fee.

The site was granted Case Closure by the WDNR on August 26, 2018 with several continuing obligations. The property is proposed for redevelopment as a mixed use residential / commercial development and a Post Closure Modification Request was submitted to the WDNR in an application dated July 8, 2020. Based on a teleconference with the WDNR, a Sub-Slab Vapor Investigation was performed, and a vapor mitigation system has been designed for the facility. We have updated the Post Closure Modification Request and Remedial Action Plan for the facility based on the additional investigation. We request WDNR's approval of the Remedial Action Plan proposed in this request.

If we can be of further assistance in discussing this report with you, please contact us.

Sincerely,

K. SINGH & ASSOCIATES, INC.

Robert T. Reineke, P.E.
Project Manager

Pratap N. Singh, Ph.D., P.E.
Principal Engineer

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

UPDATE TO POST CLOSURE MODIFICATION REQUEST / REMEDIAL ACTION PLAN

THE COMMUNITY WITHIN THE CORRIDOR DEVELOPMENT
FORMER WISCONSIN INDUSTRIES PENSION PLAN & TRUST
2748 N 32ND STREET, MILWAUKEE, WI 53208
BRRTS # 02-41-263675 FID 241025400

MARCH 19, 2021

PREPARED BY

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MINNETONKA, MN 55305

PROJECT #40405

KSingh | Engineers Scientists Consultants

UPDATED REMEDIAL ACTION PLAN

THE COMMUNITY WITHIN THE CORRIDOR DEVELOPMENT
FORMER WISCONSIN INDUSTRIES PENSION PLAN & TRUST
2748 N 32ND STREET, MILWAUKEE, WI 53208
BRRTS # 02-41-263675 FID 241025400

MARCH 19, 2021

I, Robert Reineke, 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.

Robert E. Reineke

I, Pratap Singh, 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.

Pratap N. Singh

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EXECUTIVE SUMMARY

The Community Within the Corridor Limited Partnership has purchased the property located at 2748 N 32nd Street and has initiated detailed planning and engineering for a mixed residential, retail, and commercial facility, known as the Community Within the Corridor. The East Block property, located at 2748 N 32nd Street, is 4.16 acres in size. The existing property and building is a former Briggs and Stratton manufacturing facility.

Project 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 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, 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. Based on the Sub-Slab Vapor Investigation, it was determined that a vapor mitigation system would be required for the facility in addition to construction and maintenance of engineered barriers.

Soil Quality Risks

Near surface soils throughout much of the site exceed groundwater protection or direct contact RCLs. Areas outside existing buildings currently have engineered barriers to protect against direct contact or surface water infiltration. Planned redevelopment of the site will result in contaminated soils needing management and engineered barriers needing replacement or upgrade to residential standards.

Groundwater Quality Risks

Key findings of the site investigation related to groundwater quality include:

- Dissolved RCRA metals consisting of Arsenic, Barium, Cadmium, Chromium, Lead, and Mercury were detected in TW-3 exceeding their respective PAL and/or ES. It is likely that the RCRA Metals were part of the same historic release.

There is no evidence that groundwater contamination is expanding based on the Phase II Environmental Site Assessment. Groundwater with residual contamination is expected to naturally attenuate.

Vapor Intrusion Risks
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 and are associated with the previously closed Leaking Underground Storage Tank case.

Based on the Sub-Slab Vapor Investigation, it was determined that a vapor mitigation system would be required for the facility in addition to construction and maintenance of engineered barriers.

Remedial Action Plan
The following recommendations are made for the Remedial Action Plan associated with the Post-Closure Modification.

Excavation and Disposal of Contaminated Soils
The central lot will require regrading and a ramp will be constructed to allow automobiles to access the underground parking garage. The ramp will be excavated up to 10 feet below existing ground surface. . Utilities and sub-slab soil vapor extraction collection systems will be excavated within the building footprint. Approximately 6,515 cubic yards (12,000 tons) of soils will be generated during the construction of the project. It is recommended that all soils, except for uncontaminated base course, be disposed of as Special Waste. Following regrading, an asphalt parking lot, concrete ramp, and concrete walks will be constructed which will replace the existing engineered barrier.

Nine confirmatory samples will be collected from the bottom of the excavated area and tests for VOCs and PAHs to document residual contamination in the central courtyard and ramp down.

Engineered Barriers – Constructions and Reconstruction
Engineered barriers that will be implemented at this site to minimize direct contact and infiltration of groundwater include:

- The existing building;
- Asphalt parking and driveways;
- Concrete sidewalks, and patios;
- A geotextile covered with 1.5 feet of clean fill and 0.5 feet of topsoil and vegetation in landscaped and grassy areas;

Groundwater Management During Construction
Groundwater is not anticipated to be encountered during construction. However, if groundwater is encountered, it will be discharged to the combined sewer under a Notice of Intent to discharge to the Milwaukee Metropolitan Sewerage District.

Vapor Intrusion Mitigation

Active soil vapor extraction and sub-slab depressurization will be utilized for the existing building. The sub-slab depressurization / soil vapor extraction system will consist of three (3) 6-inch diameter extraction points and four (4) extraction trenches containing 4-inch diameter slotted SDR 35 piping are proposed for the soil vapor extraction / sub-slab depressurization system. In addition, the garage will be ventilated via the installation of five (5) sidewall ventilation fans, each capable of 7,100 CFM. Following construction of the vapor mitigation systems, commissioning will be performed in accordance with WDNR Publication RR-800.

Documentation and Maintenance Plans

Following completion of construction of the engineered barriers and commissioning of the vapor mitigation systems, a Remedial Action Documentation Report will be submitted for the project. Maintenance plans for the engineered barriers and vapor mitigation systems will be submitted as part of the Post-Closure Modification Process with the Remedial Action Documentation Report. Regular inspection and maintenance will be part of Continuing Obligations for the engineered barriers and soil vapor extraction / vapor mitigation systems and will continue indefinitely into the foreseeable future.

SECTION I. BACKGROUND INFORMATION

1.1 Introduction

On behalf of the Community Within the Corridor Limited Partnership, K. Singh & Associates, Inc. (KSingh) was retained to update the Post-Closure Modification Request and Remedial Action Plan (RAP) for the property located at 2748 North 32nd Street, City of Milwaukee, Milwaukee County, Wisconsin.

This report describes the plan for the remediation of the environment to comply with state and federal laws to the extent practicable. The preferred remedial action considers the site and contaminant characteristics, surrounding environment, cleanup goals, and costs. The RAP has been developed in accordance with Wisconsin Department of Natural Resources (WDNR) Administrative Code NR 722, Standards for Selecting Remedial Actions.

1.2 Site Description and Location

The Community Within the Corridor Limited Partnership has purchased the property located at 2748 N 32nd Street and has initiated detailed planning and engineering for a mixed residential, retail, and commercial facility, known as the Community Within the Corridor. The East Block property, located at 2748 N 32nd Street, is 4.16 acres in size (1). The existing property and building is a former Briggs and Stratton manufacturing facility. A collection of interconnecting buildings cover the industrial property covering over 300,000 square feet. A topographic map of the project area is depicted as Figure 1. A site layout / aerial of the site is shown on Figure 2.

The subject property is described as:

Address: 2748 N 32nd Street, City of Milwaukee, WI 53208
Location: Southwest ¼ of the Northeast ¼ of Section 13, Township 7 North, Range 22 East
WTM91 Coordinates: X Coordinate: 686613 Y Coordinate: 290511
Latitude: 43.0690139 Longitude: -87.9536164
Parcel Number: 3091206000

The overall topography of the site area slopes to the west and the south towards 32nd Street and West Center Street. Elevation at the project site ranges between 686 and 673 feet mean seal level (MSL). Surface water collects in storm sewers on and surrounding the site and also infiltrates the grassy areas in the eastern and southern portions of the site. Groundwater flows to the southeast based on groundwater monitoring data collected during the site investigation.

1.3 Proposed Project Plans

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. Conceptual plans for the development are included in Appendix A.

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.

Properties to the west at 3212 W Center Street, 2727 N 32nd Street, and 2758 N 33rd Street will also be part of the development, identified as the West Block, but do not require a Post-Closure Modification.

1.4 Property Owner and Responsible Party Information

Property contact information and the requester of the Post Closure Modification is as follows:

Roers Companies
Attn: Mr. Shane LaFave
110 Cheshire Lane, Suite 120
Minnetonka, MN 55305
Office: (763) 285-8795
Cell Phone: (763) 300-1861
shane@roerscompanies.com

1.5 Consultant Information

The project manager for the site investigation is:

Mr. Robert Reineke, P.E.
K. Singh & Associates, Inc.
3636 North 124th Street, Wauwatosa, WI 53222
(262) 821-1171 ext. 111
rreineke@ksinghengineering.com

1.6 Regulatory Status of Site

The Site is regulated under the NR 700 Wisconsin Administrative Code (WAC) for the investigation and remediation of environmental contamination.

The WDNR was notified of a release on the property on January 11, 2002 on behalf of the Wisconsin Industries Pension Plan and Trust. Soil, groundwater, and indoor air were investigated before Case Closure was granted (2). According to the WDNR's August 26, 2018 Final Case Closure letter, several continuing obligations were noted for the site. The closure conditions that will need to be addressed during and after redevelopment include:

- Structural Impediments and Residual Soil Contamination
    - Structural impediments existing at the time of cleanup, consisting of the building, courtyard, asphalt/concrete paved parking lots and driveways, made complete remediation of the soil contamination on this property impracticable. Pursuant to s.

292.12(2)(b), Wis. Stats., if the structural impediments on this property that are described above are removed, the property owner shall conduct an investigation of the degree and extent of chlorinated solvent contamination. If contamination is found at that time, the Wisconsin Department of Natural Resources shall be immediately notified and the contamination shall be properly remediated in accordance with applicable statutes and rules. If soil in the specific locations described above is excavated, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner at the time of excavation will need to determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken during excavation activities to prevent a health threat to humans.

- Engineered Cap
    - Pursuant to s. 292.12(2)(a), Wis. Stats., the existing buildings and the asphalt/concrete paved parking lots and driveways that currently exists shall be maintained in compliance with the attached maintenance plan in order to minimize the infiltration of water and prevent additional groundwater contamination that would violate the groundwater quality standards in ch. N R 140, Wis. Adm. Code, and to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health. If soil in the specific locations described above is excavated in the future, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner at the time of excavation will need to determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with-applicable statutes and rules. In addition, all current and future owners arid occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken during excavation activities to prevent a health threat to humans.
    - The following activities are prohibited on any portion of the property where pavement, a building foundation, soil cover, engineered cap or other barrier is required as shown on the attached map, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources: 1) removal of the existing barrier; 2) replacement with another barrier; 3) excavating or grading of the land surface; 4) filling on capped or paved areas; 5) plowing for agricultural cultivation; or 6) construction or placement of a building or other structure.
- Sub-Slab Depressurization
    - A sub-slab depressurization system was installed to vent potential volatile organic vapor intrusion that is associated with residually impacted soils beneath portions of the building. Two depressurization points were installed and are referred to as the East Side and West Side systems, respectively. Depending on site conditions, construction over contaminated materials may result in vapor migration into enclosed structures or migration along newly placed underground utility lines. The potential for vapor inhalation and mitigation should be evaluated when planning any future redevelopment, or redevelopment of the basement area where the venting system has

been installed. Measures should be taken to ensure the continued protection of public health, safety, welfare and the environment at the site.

As part of the sale of the property and to comply with Continuing Obligations for the redevelopment of the property, several additional environmental investigations have been conducted. A Phase I Environmental Site Assessment (ESA) was prepared for the development on March 10, 2020 (3). Recognized Environmental Conditions (REC) were noted based on past industrial uses of the properties and surrounding properties.

A Post Closure Modification Request was submitted to WDNR on July 8, 2020 for development of the site into a mixed use residential / commercial property. The Post Closure Modification Request is currently in the review process with the WDNR.

1.7 Geologic and Hydrogeologic Characteristics

Geologic and hydrogeologic characteristics of the site were identified in KSingh's Phase II Environmental Site Assessment dated May 24, 2020 (4).

The subject site properties geology generally consists of 4 feet of a fill material below ground surface. 2 to 6 feet of brown clay with some gravel and some sand at 10 feet below ground surface. 7 to 11 feet of gray silty clay with some gravel and little sand at 21 feet below ground surface. 2 feet of silty sand at 23 below ground surface, 4 feet of gray silty clay with gravel and cobbles at 27 feet below ground surface, and 2 feet of weathered dolomite at 32 feet below ground surface. Groundwater flow at the subject property is to the south / southeast.

1.8 Summary of Nature and Extent of Contamination

Based on the Phase I ESA, a Phase II ESA investigation was performed in April 2020 consisting of 12 soil borings with four temporary wells.

In June 2020, an investigation was performed to analyze the sub-slab depressurization system and the present of contaminants in sub-slab vapors and indoor air. Two sub-slab vapor pins were installed for the purpose of collecting sub-slab vapor samples. Following indoor air and sub-slab vapor sampling, a series of test points were installed to determine the radius of influence of the existing sub-slab depressurization system.

The findings of the investigation found that indoor air complied with Vapor Action Levels for residential properties. In addition, the west area, which is proposed to be developed into an underground parking garage, had sub-slab vapors which complied with all Vapor Risk Screening Levels (VRSLs) for residential properties. The east area, which is proposed to be developed into storage, had sub-slab vapor concentrations for 1,1-Dichloroethane, 1,2,4-Trimethylbenzene, and Trichloroethene (TCE) exceeding residential VRSLs (5).

Based on the findings of the sub-slab vapor investigation, a Post Closure Modification request was prepared (6). The Post Closure Modification request recommended repairs to the east area sub-slab depressurization system so that it could be maintained in operation. In addition, it was recommended to be submitted for the west area to be converted to utilize the air exchange system of the parking garage as a modified continuing obligation.

The WNDR requested a full vapor investigation of the facility during a conference call with CWC and KSingh on October 26, 2020. KSingh submitted a Site Investigation Work Plan on November 3, 2020, consisting of 51 sub-slab vapor (SSV) probes, and approved by the WDNR on December 2, 2020. KSingh had questions to the approval which were addressed by the WDNR with the following comments on December 11, 2020:

- Proposed SSV probes SS-4, SS-19, SS-25, and SS-37 may be moved closer to the nearest elevator pits.
- An assessment shall be conducted to determine whether utilities are acting as preferential mitigation pathways at the site. Locations of utilities in relation to known areas of contamination should be considered when conducting this assessment. The utility assessment may need to identify the need for additional sampling locations. A figure indicating locations of all underground utilities should be provided with the investigation report.
- Passive air sampling in each of the site's four elevator pits is recommended to be performed. Passive air sampling may be performed after the results of the SSV sampling is known.
- It is understood construction activities within the building may facilitate abandonment of any SSV probe locations after installation. The WDNR recommends a minimum of one additional round of sampling after reconstruction is completed, any HVAC systems are installed and operating, and the building is under standard operating conditions. Less obtrusive vapor probe locations will be considered prior to additional sampling.

The results of Sub-Slab Vapor Sampling were submitted to the WDNR in a report dated January 8, 2021 (7). The following conclusions were arrived at following the sub-slab vapor investigation.

- Chlorinated solvents, Cyclohexane, Hexane, and petroleum constituents were detected under the existing building at concentrations exceeding Residential Vapor Risk Screening Levels (VRSLs) and/or Large Commercial / Industrial Building VRSLs.
- TCE is the most widespread contaminant of concern and is associated with past industrial uses of the facility.
- There is no pattern suggesting that existing underground utilities are acting as preferential migratory pathways.
- Petroleum sub-slab vapors are associated with the existing LUST release.
- Other sub-slab vapor concentrations are associated with the history of industrial operations at the facility.

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Sub-slab vapor sampling points and results are shown on Figure 5.

Based on the results of the SSV investigation, pressure field extension testing was performed in February 2021. The results of the pressure field extension testing and a design of a vapor mitigation system were submitted to the WDNR in a report dated March 2, 2021 (8).

1.8.1 Soil Quality

Soil samples were collected and tested for VOCs, SVOCs, RCRA metals, PCBs, pesticides, and herbicides. Two areas of contamination were detected on the subject property.

North Parking Lot and Central Lot

VOCs consisting of 1,1,1-trichloroethene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene, cis-1,2-dichloroethene, ethylbenzene, methylene chloride, naphthalene, PCE, TCE, and total xylenes are present in

borings B-7 to B-9 at concentrations exceeding the groundwater protection Residual Contaminant Levels (RCLs) and/or non-industrial direct contact RCLs. Soil contamination is consistent with historic results.

PAHs consisting of benzo[a]pyrene, benzo[b]fluoranthene, chrysene, dibenz(a,h)anthracene, and naphthalene were detected in borings B-7, B-8, and B-9 exceeding the groundwater protection RCLs and/or non-industrial direct contact RCLs. There are no historic results for comparison, but the extents appear to coincide with the historic release.

RCRA Metals Arsenic and Lead were detected greater than their background threshold values and/or groundwater protection RCLs established groundwater protection, non-industrial direct contact, and industrial direct contact RCLs.

VOCs consisting of 1,1-dichloroethane, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene, cis-1,2-dichloroethene, ethylbenzene, naphthalene, and total xylenes and the SVOC Naphthalene were detected in TW-3 exceeding the PALs and/or ESs established in NR 141.10. Results appear to be of the same order of magnitude as historic VOCs results from that location.

Dissolved RCRA metals consisting of Arsenic, Barium, Cadmium, Chromium, Lead, and Mercury were detected in TW-3 exceeding their respective PAL and/or ES. It is likely that the RCRA Metals were part of the same historic release.

East Area Adjacent to the Railroad

Based on results from soil boring B-11, the VOC Naphthalene and PAHs Benzo(a)pyrene, Benzo(b)fluoranthene, and Chrysene are present exceeding groundwater protection RCLs and/or nonindustrial direct contact protection RCLs. The RCRA Metals Arsenic and Lead were detected exceeding groundwater protection, non-industrial direct contact protection, and/or industrial direct contact protection RCLs.

Based on the findings of the Phase II ESA, contamination in the vicinity of soil borings B-7, B-8, and B-9 (North Parking Lot and Central Lot) appears to be consistent with the previously investigated release associated with BRRTS # 02-41-263675. PAHs and metals were detected in addition to VOCs in the vicinity, but the extent appears to be limited and can be managed through the same Continuing Obligations.

Soil boring B-11 (East Area Adjacent to the Railroad) contains the VOC Naphthalene, the PAHs Benzo(a)pyrene, Benzo(b)fluoranthene, and Chrysene, and the RCRA Metals Arsenic and Lead at concentrations exceeding RCLs. Based on data from B-10 and historic data in the area, specifically from historic borings GTS-27 to GTS-30, it is likely the contamination is associated with the adjacent railroad and is limited in extent. Due to the historic closed site and the limited extent of contamination detected by the railroad, it is recommended that no further action regarding site investigations be performed.

Soil quality test results are summarized in Table 1. Current and historic soil contamination is shown on Figure 3.

Near surface soils throughout much of the site exceed groundwater protection or direct contact RCLs. Areas outside existing buildings currently have engineered barriers to protect against direct contact or surface water infiltration. Planned redevelopment of the site will result in contaminated soils needing management and engineered barriers needing replacement or upgrade to residential standards.

1.8.2 Groundwater Quality

During the Phase II ESA, temporary wells were also constructed in soil borings B-5, B-7, B-8, and B-9 to assist with grab-groundwater sample collection. Groundwater quality test results are summarized in Table 2. Groundwater contamination is shown on Figure 4.

Key findings of the site investigation related to groundwater quality include:

- Dissolved RCRA metals consisting of Arsenic, Barium, Cadmium, Chromium, Lead, and Mercury were detected in TW-3 exceeding their respective PAL and/or ES. It is likely that the RCRA Metals were part of the same historic release.
- There is no evidence that groundwater contamination is expanding based on the Phase II ESA.

1.8.3 Vapor Quality

The findings from the SSV 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 in vapor points SS-1, SS-2, SS-3, SS-5, SS-6, SS-7, SS-10, SS-14, SS-18, SS-20, SS-23, SS-25, SS-26, SS-27, SS-28, SS-33, SS-34, SS-35, SS-36, SS-37, SS-38, SS-39, SS-42, SS-43, SS-45, SS-49, and SS-51.
- Contamination related to chlorinated solvents consisting of TCE, 1,1-Dichloroethane, and/or Benzyl Chloride exceeds Large Industrial / Commercial Building VRSLs in vapor points SS-2, SS-5, SS-18, SS-20, SS-25, SS-26, SS-27, SS-35, SS-36, and SS-41.
- Contamination related to Cyclohexane and/or Hexane was detected exceeding Residential VRSLs in vapor points SS-2, SS-5, SS-18, SS-39, and SS-41 and Large Industrial / Commercial Building VRSLs in vapor points SS-5 and SS-39.
- TCE is the most widespread contaminant of concern under the building and is associated with past industrial uses of the facility.
- Petroleum related contaminants consisting of Benzene, Ethylbenzene, Toluene, 1,2,4-Trimethylbenzene, 1,2,5-Trimethylbenzene, and/or Xylenes were detected exceeding Residential VRSLs in vapor points SS-2, SS-3, SS-5, SS-39, SS-41, and SS-43.
- Petroleum related contaminants consisting of Benzene, 1,2,4-Trimethylbenzene, and/or m&p-Xylenes were detected exceeding Large Industrial / Commercial Building VRSLs in vapor points SS-2, SS-5, and/or SS-39.
- Petroleum VRSL exceedances are located in the northeast portion of the building and are associated with the previously closed Leaking Underground Storage Tank case.

Results of the SSV sampling are summarized in Table 3. Isoconcentration plumes for Residential and Large Commercial / Industrial Building VRSL exceedances of TCE, the main contaminant of concern, are shown on Figure 5.

SECTION II. SELECTED REMEDIAL ACTION

The cleanup goal for the site is to perform remediation: 1) sufficient to obtain approval of a Post-Closure Modification from the WDNR in a reasonable time and 2) ensure that the remediation approach is consistent with the development goals of the site. The objectives are to eliminate exposure pathways using WDNR-approved remedial actions that are economical and achieve the goal of redevelopment. It is anticipated the redevelopment plan will not require demolition of the existing building. Our proposed remedial action plan consists of the following items:

2.1 Soil Remediation

Contamination in soils constitute direct contact, groundwater protection, and vapor intrusion risks. The direct contact risks will be managed via excavation and disposal of contaminated soils and construction of engineered barriers.

2.1.1 Excavation and Disposal of Contaminated Soils

Soil excavation is planned for grading and to construct a ramp to access the basement of the existing structure for use as an underground parking lot as well as for utilities and structural work. The areas of excavation are shown on Figures 6A and 6B.

The central lot will require regrading and a ramp will be constructed to allow automobiles to access the underground parking garage. The ramp will be excavated up to 10 feet below existing ground surface. Utilities and sub-slab soil vapor extraction collection systems will be excavated within the building footprint. Approximately 6,515 cubic yards (12,000 tons) of soils will be generated during the construction of the project, as confirmed by the contractor, Greenfire Management Services, LLC. It is recommended that all soils, except for uncontaminated base course, be disposed of as Special Waste. Following regrading, an asphalt parking lot, concrete ramp, and concrete walks will be constructed which will replace the existing engineered barrier. The area where engineered barriers will be replaced is shown on Figure 7.

Nine confirmatory samples will be collected from the bottom of the excavated area and tests for VOCs and PAHs to document residual contamination in the central courtyard and ramp down. Test results will

No contaminated soils from the site are proposed to be reused. No soils are proposed to be exposed for direct contact. Annual inspections will be performed on the Engineered Barriers as part of a maintenance plan for the facility. An updated Maintenance Plan and documentation of the Engineered Barrier construction will be submitted at the conclusion of construction for WDNR approval. Details of the parking lot and concrete are shown on Figure 8.

2.1.2 Engineered Barriers / Continuing Obligations

An engineered barrier limits direct contact exposure and/or controls migration of contaminants. These barriers may consist of buildings, pavement, soil covers, flexible vapor barriers, etc. As part of the proposed design and as a condition of site closure, a cover will be necessary over the residual soil impacts at the site. Engineered barriers that will be implemented at this site to minimize direct contact and infiltration of groundwater include:

- The existing building;
- Asphalt parking and driveways;
- Concrete sidewalks, and patios;
- A geotextile covered with 1.5 feet of clean fill and 0.5 feet of topsoil and vegetation in landscaped and grassy areas;

The location of proposed engineered barriers are shown on Figure 7. Details of the engineered barriers are shown on Figure 8.

When the project work is complete, documentation of the construction of the engineered barriers will be documented in a Remedial Action Documentation Report. A maintenance plan for the engineered barriers will be submitted with the Remedial Action Documentation Report.

2.2 Groundwater Remediation

Natural attenuation is the approved alternative for this site. The constituents of concern are degradable, the plume is delineated and is stable or declining, drinking water is supplied from Lake Michigan, and the concentration and toxicity of the contaminants are enough to attenuate naturally. Additional investigation of areas inside the building may be useful, but are not anticipated to affect the remedial strategy. The presence of clay soils make groundwater recovery impractical.

2.2.1 Groundwater Management During Construction

Based on the Case Closure Packet, residual groundwater contamination is located on the site. Groundwater is not anticipated to be encountered during construction. However, if groundwater is encountered, it will be discharged to the combined sewer under a Notice of Intent to discharge to the Milwaukee Metropolitan Sewerage District.

2.3 Vapor Remediation and Vapor Mitigation Approach

The presence of VOCs in the subsurface beneath the existing building present vapor intrusion risks that will need to be managed and remediated. Soil vapor extraction will be utilized to remediate the subsurface and to function as a sub-slab depressurization system. The vapor mitigation system has been designed to turn over 4 pore volumes of sub-slab air per day. Excavation and removal of source soils is not viable due to the structural impediment presented by the building. Any excavation and disposal cannot remove all the soils that represent a vapor risk and will still require a sub-slab vapor mitigation system. Injection treatment is not viable due to clay soils beneath the building slab preventing migration of injected materials beyond the immediate vicinity of the injection point. The WDNR has provided verbal guidance indicating that strategies other than sub-slab depressurization will not be approved. Therefore, soil vapor extraction of chlorinated hydrocarbons is the only viable approach which will require a high vacuum system of a minimum 44-inches of water column to overcome limited permeability of the sub-slab soils.

KSingh has calculated 1,250 days (3.5 years) for 5,000 pore volumes to be treated by the proposed system which is a suggested benchmark by the US Army Corps of Engineers. The 4 pore volumes per day goal is double what was proposed for the Madison-Kipp Corporation site (BRRTS No. 0213001569) and would be considered active remediation rather than merely vapor intrusion mitigation.

Soil vapor extraction / sub-slab depressurization will be the principal means of managing vapor intrusion risks for the existing building. Garage ventilation will also be utilized for the underground garage area. Additional investigation and vapor sampling will be necessary to monitor the effectiveness of the approaches.

The soil vapor extraction / vapor mitigation plan is depicted on Figure 9 and Figure 10. Details of the soil vapor extraction / vapor mitigation system are shown on Figure 11.

2.3.1 Vapor System for Existing Building

Active soil vapor extraction and sub-slab depressurization will be utilized for the existing building. The sub-slab depressurization / soil vapor extraction system will consist of three (3) 6-inch diameter extraction points and four (4) extraction trenches containing 4-inch diameter slotted SDR 35 piping are proposed for the soil vapor extraction / sub-slab depressurization system.

The sub-slab fill material will be removed from each pit and trench to approximately 18 inches below bottom of slab to create a pit. Removed sub-slab materials will be removed from the building and stockpiled for disposal at a landfill. Each pit and trench will be backfilled with 3/8" washed pea gravel or granular fill to bottom of slab elevation.

The vertical extraction points will require trenching and installation of piping laterals from the extraction pits to the nearest column or wall to construct the vertical extraction risers adjacent to columns for minimal interference with future floor plans. Proposed vertical extraction pits are generally located approximately 5 to 10 feet away from columns, rather than placing pits immediately adjacent to columns/footers, for optimal spacing to maximize the radius of vacuum influence for each pit. Placing the extraction pits immediately adjacent to columns/footers would require additional extraction points to achieve vacuum coverage across the slabs, and thereby increase the number and/or sizes of blowers/fans required.

Since trenching and installation of sub slab piping is necessary, the proposed vertical extraction pits may be saw-cut 18 inches square and excavated by hand or using a mini-backhoe to 18-inch depth rather than installation using a concrete coring rig. Excavated surficial soils will be removed from the facility and containerized for future disposal at a landfill. Each suction pit will be backfilled with 3/8-inch washed pea gravel to the bottom of the slab elevation. A 6-inch SDR 35 PVC pipe will be set within the approximate top 6-inches in each pit and extended up through the sub-slab.

The vertical extraction points may require trenching and installation of piping laterals from the extraction pits to the nearest column to construct the vertical extraction risers adjacent to columns or walls for minimal interference with future floor plans. Proposed vertical extraction pits are generally located approximately 5 to 10 feet away from columns and walls, rather than placing pits immediately adjacent to columns/footers, for optimal spacing to maximize the radius of vacuum influence for each pit. Placing the extraction pits immediately adjacent to columns/footings would require additional extraction points to achieve vacuum coverage across the slabs, and thereby increase the number and/or sizes of blowers/fans required.

10-mil poly will be installed above the pea gravel pit prior to concrete placement. Concrete will be poured down to top of footing elevation along the piping trench, encasing the galvanized steel pipe lateral to maintain the integrity of the slab. The extraction pipes will be sealed at top of floor slab using Sikaflex 1A construction sealant, or equivalent.

The garage will be ventilated via the installation of five (5) sidewall ventilation fans, each capable of 7,100 cubic feet per minute. Ventilation calculations are included in the letter submitted to WDNR on September 15, 2020.

Blower sizes were estimated in the Feasibility Study and Design Report (8). Prior to commencement of operations, a pilot scale test will be conducted after the vapor collection piping is installed. During pilot scale testing, at least two exhaust air samples will be collected from each exhaust point via Summa canisters and tested for VOCs. The testing will be used to determine the need for an air permit and emissions control technology. Monthly exhaust air sampling or installation of a dedicated real time PID is anticipated for monitoring exhaust during operation.

Following construction of the soil vapor extraction / vapor mitigation systems, commissioning will be performed in accordance with WDNR Publication RR-800 (9). Three rounds of commissioning measurements are proposed to document that the system is functioning properly. Each round of commissioning of the sub-slab depressurization system will include pressure field extension measurements using a micromanometer, vacuum measurements on each extraction point system, and visual inspection of the facility and equipment for cracks and equipment defects. Modifications to the systems will be performed, as necessary, based on the results of the commissioning process. The results of commissioning and a maintenance plan will be submitted to WDNR in a Remedial Action Documentation report at the conclusion of the commissioning process. Regular inspection and maintenance of the system will be part of Continuing Obligations for the sub-slab vapor mitigation system.

2.4 Sustainable Remedial Action – NR 722.09

"The U.S. Environmental Protection Agency (EPA) defines Green Remediation as the practice of considering all environmental effects of remedy implementation and incorporating options to minimize the environmental footprint of cleanup actions."

Green Remediation focuses on maximizing the net environmental benefit of cleanup, while preserving the effectiveness of the selected remedy, for the protection of human health and the environment. The following six core elements of green remediation have been established by the US EPA:

- Minimize total energy use and maximum use of renewable energy
- Minimize air pollutants and greenhouse gas emissions
- Minimize water use and impacts to water resources
- Optimize future land use and enhance ecosystem
- Reduce, reuse, and recycle materials and waste
- Optimize sustainable management practices during stewardship

In general, these green remediation core elements have been established to reduce the demand placed on the environment during cleanup actions and evaluate the net environmental impact of remediation. Sustainable development meets the needs of the present without compromising the needs of future generations. Green remediation objectives include:

- Achieve remedial action goals
- Support use and reuse of remediated parcels
- Increase operational efficiencies
- Reduce total pollutant and waste burdens on the environment

- Minimize degradation and enhance ecology of the site and other affected areas
- Reduce air emissions and greenhouse gas production
- Minimize impacts to water quality and water cycles
- Conserve natural resources
- Achieve greater long-term financial return from investments
- Increase sustainability of site cleanups

The active soil vapor extraction / sub-slab depressurization system combined with natural attenuation of groundwater contamination will optimize achievement of sustainable goals as options that involve more intrusive excavation and demolition are not feasible.

2.5 Proposed Schedule

The proposed schedule for implementation of remedial actions for Post-Closure Modification is as follows:

Begin asbestos abatement and select demolition	February 2021
Begin Installation of Vapor Mitigation Systems	March 2021
Pilot Scale Testing	June / July 2021
Commencement of Operations and Maintenance	August 2021
Commissioning Measurements (1st Round)	August 2021
Commissioning Measurements (2nd Round)	December 2021
Commissioning Measurements (3rd Round)	March 2022
Submittal of Remedial Action Documentation Report	April 2022
Annual O&M Report	August 2022
Annual O&M Report	August 2023
Annual O&M Report	August 2024
Sub-Slab Vapor Sampling for Decommissioning	February 2025
Post-Closure Modification / Case Closure Request	March 2025

SECTION III. CONCLUSIONS AND RECOMMENDATIONS

3.1 Conclusions

The Community Within the Corridor Limited Partnership has purchased the property located at 2748 N 32nd Street and has initiated detailed planning and engineering for a mixed residential, retail, and commercial facility, known as the Community Within the Corridor. The East Block property, located at 2748 N 32nd Street, is 4.16 acres in size. The existing property and building is a former Briggs and Stratton manufacturing facility.

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 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, 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.

Near surface soils throughout much of the site exceed groundwater protection or direct contact RCLs. Areas outside existing buildings currently have engineered barriers to protect against direct contact or surface water infiltration. Planned redevelopment of the site will result in contaminated soils needing management and engineered barriers needing replacement or upgrade to residential standards.

Key findings of the site investigation related to groundwater quality include:

- Dissolved RCRA metals consisting of Arsenic, Barium, Cadmium, Chromium, Lead, and Mercury were detected in TW-3 exceeding their respective PAL and/or ES. It is likely that the RCRA Metals were part of the same historic release.
- There is no evidence that groundwater contamination is expanding based on the Phase II ESA.

The findings from the SSV 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 and are associated with the previously closed Leaking Underground Storage Tank case.

Based on the Sub-Slab Vapor Investigation, it was determined that a vapor mitigation system would be required for the facility in addition to construction and maintenance of engineered barriers.

3.2 Recommendations

The following recommendations are made for the Remedial Action Plan associated with the Post-Closure Modification.

Excavation and Disposal of Contaminated Soils

The central lot will require regrading and a ramp will be constructed to allow automobiles to access the underground parking garage. The ramp will be excavated up to 10 feet below existing ground surface. In addition, various utilities will be constructed below the basement slab. Approximately 6,515 cubic yards (12,000 tons) of soils will be generated during the construction of the project, from the ramp and utilities, as confirmed by the contractor, Greenfire Management Services, LLC. It is recommended that all soils, except for uncontaminated base course, be disposed of as Special Waste. Following regrading, an asphalt parking lot, concrete ramp, and concrete walks will be constructed which will replace the existing engineered barrier.

Nine confirmatory samples will be collected from the bottom of the excavated area and tests for VOCs and PAHs to document residual contamination in the central courtyard and ramp down.

Engineered Barriers – Constructions and Reconstruction

Engineered barriers that will be implemented at this site to minimize direct contact and infiltration of groundwater include:

- The existing building;
- Asphalt parking and driveways;
- Concrete sidewalks, and patios;
- A geotextile covered with 1.5 feet of clean fill and 0.5 feet of topsoil and vegetation in landscaped and grassy areas;

Groundwater Management During Construction

Groundwater is not anticipated to be encountered during construction. However, if groundwater is encountered, it will be discharged to the combined sewer under a Notice of Intent to discharge to the Milwaukee Metropolitan Sewerage District.

Soil Vapor Extraction / Vapor Intrusion Mitigation

Active soil vapor extraction and sub-slab depressurization will be utilized for the existing building. The sub-slab depressurization / soil vapor extraction system will consist of three (3) 6-inch diameter extraction points and four (4) extraction trenches containing 4-inch diameter slotted SDR 35 piping are proposed for the soil vapor extraction / sub-slab depressurization system. Soils excavated for installation of the soil vapor extraction system will be disposed of as special waste. The garage will be ventilated via the installation of five (5) sidewall ventilation fans, each capable of 7,100 CFM, as an additional precaution. Following

construction of the soil vapor extraction / vapor mitigation systems, commissioning will be performed in accordance with WDNR Publication RR-800.

Documentation and Maintenance Plans

Following completion of construction of the engineered barriers and commissioning of the vapor mitigation systems, a Remedial Action Documentation Report will be submitted for the project. Maintenance plans for the engineered barriers and soil vapor extraction / vapor mitigation systems will be submitted as part of the Post-Closure Modification Process with the Remedial Action Documentation Report. Regular inspection and maintenance will be part of Continuing Obligations for the engineered barriers and vapor mitigation systems and will continue indefinitely into the foreseeable future.

3.3 Limitations of Data

The remedial action plan was based on conditions known to exist prior to and encountered during field exploration. The scope of work for this phase of investigation was only onsite investigation. The assessment has confirmed the existence of contamination within near-surface vapor, soils, and groundwater at the site. Additional exploratory work may be warranted along with future groundwater monitoring. In the event that the site redevelopment does not occur, an alternative remedial option, consistent with the existing land use, would be prepared for a lower cost.

The soil vapor extraction / sub-slab depressurization system will require continuing inspections and maintenance to function properly. Regular sealing of cracks will allow the system to achieve required zones of influence. Repair of roofs, roof drains, floor drains, and storm drains will prevent water from entering the sub-slab pore space. Repair of and operation of sumps and drain tiles will be necessary to minimize water interfering with the soil vapor extraction system and successful completion of remediation.

The remedial action plan for mitigating and remediating the sub-slab vapors in clayey subsoils is proposed because of structural impediments. While the proposed plan will be able to maintain negative pressure beneath the slab, its effectiveness relative to source removal will be limited.

This report has been prepared exclusively for Roers Companies and the Community Within the Corridor Limited Partnership and it may not be altered or changed in any manner without expressed written consent of K. Singh & Associates, Inc.

SECTION IV. REFERENCES

1. Milwaukee County Land Information Office. http://county.milwaukee.gov/mclio/applications/interactivemapping.html

2. Wisconsin Department of Natural Resources Bureau of Remediation and Redevelopment Tracking System. http://dnr.wi.gov/topic/Brownfields/botw.html

3. Phase I Environmental Site Assessment, Community Within the Corridor, 2748 N 32nd Street, Milwaukee, Wisconsin prepared by K. Singh & Associates, Inc. dated March 10, 2020.

4. Phase II Environmental Site Assessment, Community Within the Corridor, 2748 N 32nd Street, Milwaukee, Wisconsin prepared by K. Singh & Associates, Inc. dated May 24, 2020.

5. Indoor Air and Sub-Slab Vapor Sampling, Community Within the Corridor, 2748 N 32nd Street, Milwaukee, Wisconsin prepared by K. Singh & Associates, Inc. dated July 7, 2020.

6. Request for Post Closure Modification, The Community Within the Corridor Development, 2748 N 32nd Street, Milwaukee, Wisconsin prepared by K. Singh & Associates, Inc. dated July 8, 2020.

7. Additional Sub-Slab Vapor Sampling Investigation for Post Closure Modification, Community Within the Corridor Development, 2748 N 32nd Street, Milwaukee, Wisconsin prepared by K. Singh & Associates, Inc. dated January 8, 2021.

8. Feasibility Study and Design – Vapor Mitigation System, Community Within the Corridor Development, 2748 N 32nd Street, Milwaukee, Wisconsin prepared by K. Singh & Associates, Inc. dated March 11, 2021.

9. WDNR Publication RR-800 “Addressing Vapor Intrusion at Remediation & Redevelopment Sites in Wisconsin”, January 2018.

FIGURES

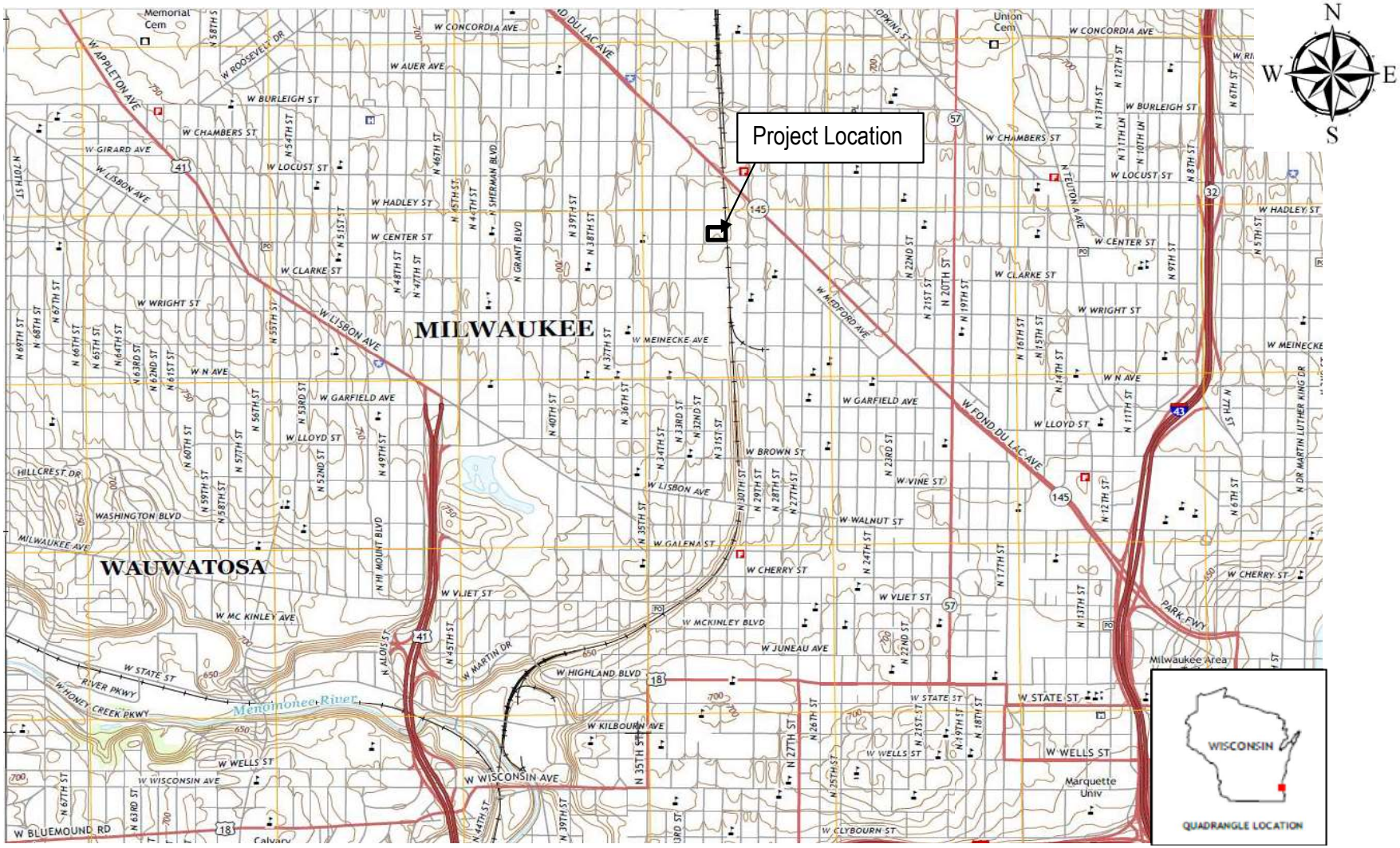

Figure 1. Topographic Map of Project Location
from 2016 Milwaukee, WI 7.5-Minute Series
Map Scale 1: 24,000

KSingh Engineers Scientists Consultants

N

W E

S

SCALE IN FEET

0 50'

SOIL BORINGS AND TEMPORARY WELL LOCATIONS

- VOCs, PAHs, RCRA Metals, PCBs
- VOCs, PAHs, RCRA Metals
- VOCs, SVOCs, RCRA Metals, PCBs, Pesticide, Herbicides
- NR 720 RCL Exceedance Extents

ABBREVIATIONS:

AC. = ACRES
ARC = ARC OF CURVE
ASPH = ASPHALT
BM = BENCHMARK
CH. = CHORD LENGTH
COR = CORNER
CSM = CERTIFIED SURVEY MAP OR MAPPING
C.T.H. = COUNTY TRUNK HIGHWAY
D = DELTA
DEG = DEGREE OF CURVE
E = EAST
EL. = ELEVATION
EX. = EXISTING
EXC. = EXCEPTION
FFE = FINISH FLOOR EL.
FND = FOUND
GFE = GARAGE FLOOR EL.
GND = GROUND
INV. = INVERT
IP = IRON PIPE
IRD = IRON ROD
MEA = MEASURED
NAD = NORTH AMERICAN DATUM
N = NORTH
NE = NORTHEAST
NO. = NUMBER
NW = NORTHWEST
PG. = PAGE
QTR = QUARTER
REC = RECORDED AS
RIM = RIM OR TOP POINT
R/W = RIGHT OF WAY
S = SOUTH
SE = SOUTHEAST
SEWRPC = SOUTHEAST WISCONSIN REGIONAL PLANNING COMMISSION
C.T.H. = STATE TRUNK HIGHWAY
SW = SOUTHWEST
SUR = SURVEYED
U.S.H. = UNITED STATES HIGHWAY
U.S.G.S. = UNITED STATES GEOLOGICAL SURVEY
VAR = VARIES
VPI = VERTICAL POINT OF INTERSECTION
W = WEST

LEGEND:

- SECTION CORNER MONUMENT
- EX. CHISELED CROSS FOUND
- EX. IRON ROD FOUND
- EX. IRON PIPE FOUND
- EX. STORM MANHOLE
- EX. CATCH BASIN ROUND
- EX. CATCH BASIN SQUARE
- EX. SIAMESE HYDRANT
- EX. GAS VALVE
- EX. AIR CONDITIONER
- EX. ELECTRIC METER
- EX. GAS METER
- EX. ELECTRIC PEDESTAL
- EX. TELEPHONE PEDESTAL
- EX. CLEANOUT
- EX. POWER POLE
- EX. MONITORING WELL OR CORING
- EX. MAILBOX
- EX. SANITARY MANHOLE
- EX. UNKNOWN MANHOLE
- EX. COMBINED SEWER MANHOLE
- EX. ELECTRIC MANHOLE
- EX. ELECTRIC TRANSFORMER
- EX. TELEPHONE MANHOLE
- EX. GUY WIRE
- EX. LIGHT POLE
- EX. SIGN
- EX. BOLLARD (BOL)
- EX. WATER VALVE
- OH — EX. OVERHEAD WIRES
- BES — EX. BUREAU OF ELECTRICAL SERVICES
- X — EX. FENCE LINE
- COM — EX. COMMUNICATIONS
- T — EX. TELEPHONE LINE
- G — EX. GAS LINE
- FIB — EX. FIBER OPTICS
- SS — EX. SANITARY SEWER (SAN)
- ST — EX. STORM SEWER (STO)
- W — EX. WATER MAIN
- EX. TREE LINE
- CAUTION — UNDERGROUND COMBUSTIBLE GAS LINE

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CONSULTANT

CONSULTANT

CONSULTANT

PROJECT TITLE: COMMUNITY WITHIN THE CORRIDOR
MILWAUKEE, WI
PROJECT NUMBER: 40405

CLIENT: COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP

REVISIONS	DATE	DESCRIPTION

DRAWN BY	DATE
AMZ	01/29/2021
CHECKED BY	DATE
KVH	01/29/2021

SHEET TITLE
SITE LAYOUT MAP

FIGURE 2

NOTE: SURVEY PROVIDED BY JAHNKE & JAHNKE ASSOCIATES, LLC.

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	Background Threshold Value	B-7
Depth (feet)							3-5
Soil Type							SAND & GRAVEL
Soil Conditions							Unsaturated
Sampling Date							4/10/2020
Volatile Organic Compounds (VOCs)							
Benzene	mg/Kg	8260B	0.0051	1.6	7.07	---	**0.077**
Polycyclic Aromatic Hydrocarbons (PAHs)							
Benzo[a]pyrene	mg/Kg	8270D	0.47	0.115	2.11	---	**1.1**
Benzo[b]fluoranthene	mg/Kg	8270D	0.4781	1.15	21.1	---	**1.5**
Chrysene	mg/Kg	8270D	0.1442	115	2110	---	**1.1**
Dibenz(a,h)anthracene	mg/Kg	8270D	---	0.115	2	---	**0.13**
Metals							
Lead	mg/Kg	6010B	27	400	800	51.6	**140**

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	Background Threshold Value	B-8
Depth (feet)							9-11
Soil Type							Silty CLAY
Soil Conditions							Unsaturated
Sampling Date							4/10/2020
Volatile Organic Compounds (VOCs)							
1,1,1-Trichloroethane	mg/Kg	8260B	0.1402	640	640	---	**0.18**
1,2,4-Trimethylbenzene	mg/Kg	8260B	1.3787*	219	219	---	**34**
1,3,5-Trimethylbenzene	mg/Kg	8260B	1.3787*	182	182	---	**14**
Benzene	mg/Kg	8260B	0.0051	1.6	7.07	---	**0.13**
cis-1,2-Dichloroethene	mg/Kg	8260B	0.0412	156	2,340	---	**0.052 J**
Ethylbenzene	mg/Kg	8260B	1.57	8.02	35.4	---	**5.6**
Naphthalene	mg/Kg	8260B	0.658182	5.52	24.10	---	**3.9**
Tetrachloroethene	mg/Kg	8260B	0.0045	33	145	---	**0.15**
Trichloroethene	mg/Kg	8260B	0.0036	1.3	8.41	---	**2.2**
Xylenes, Total	mg/Kg	8260B	3.96	1,212	1212	---	**15**
Polycyclic Aromatic Hydrocarbons (PAHs)							
Benzo[a]pyrene	mg/Kg	8270D	0.47	0.115	2.11	---	**0.87**
Benzo[b]fluoranthene	mg/Kg	8270D	0.4781	1.15	21.1	---	**0.95**
Chrysene	mg/Kg	8270D	0.1442	115	2110	---	**0.84**
Naphthalene	mg/Kg	8270D	0.6582	5.52	24.1	---	**2.1**

Sample	B-1
Depth (feet)	5.5-7.5
Soil Type	Silty CLAY
Soil Conditions	Unsaturated
Sampling Date	4/10/2020
No RCL / Background Threshold Exceedances	

Sample	B-4
Depth (feet)	4-6
Soil Type	Silty CLAY
Soil Conditions	Unsaturated
Sampling Date	4/10/2020
No RCL / Background Threshold Exceedances	

Sample	B-2
Depth (feet)	4-6
Soil Type	Silty CLAY
Soil Conditions	Unsaturated
Sampling Date	4/10/2020
No RCL / Background Threshold Exceedances	

Sample	B-3
Depth (feet)	4-6
Soil Type	Silty CLAY
Soil Conditions	Unsaturated
Sampling Date	4/10/2020
No RCL / Background Threshold Exceedances	

Sample	B-5
Depth (feet)	3-5
Soil Type	CLAY
Soil Conditions	Unsaturated
Sampling Date	4/10/2020
No RCL / Background Threshold Exceedances	

Sample	B-6
Depth (feet)	3-5
Soil Type	Sandy CLAY
Soil Conditions	Unsaturated
Sampling Date	4/10/2020
No RCL / Background Threshold Exceedances	

Sample	B-12
Depth (feet)	3.5-5.5
Soil Type	Silty CLAY
Soil Conditions	Unsaturated
Sampling Date	4/10/2020
No RCL / Background Threshold Exceedances	

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	Background Threshold Value	B-9
Depth (feet)							4-6
Soil Type							Sandy CLAY
Soil Conditions							Unsaturated
Sampling Date							4/10/2020
Volatile Organic Compounds (VOCs)							
Benzene	mg/Kg	8260B	0.0051	1.6	7.07	---	**0.046**
Naphthalene	mg/Kg	8260B	0.658182	5.52	24.10	---	**0.7**
Trichloroethene	mg/Kg	8260B	0.0036	1.3	8.41	---	**0.16**
Polycyclic Aromatic Hydrocarbons (PAHs)							
Benzo[a]pyrene	mg/Kg	8270D	0.47	0.115	2.11	---	**0.32**
Benzo[b]fluoranthene	mg/Kg	8270D	0.4781	1.15	21.1	---	**0.57**
Chrysene	mg/Kg	8270D	0.1442	115	2110	---	**0.45**
Naphthalene	mg/Kg	8270D	0.6582	5.52	24.1	---	**0.67**
Metals							
Arsenic	mg/Kg	6010B	0.584	0.677	3	8.3	**18**
Lead	mg/Kg	6010B	27	400	800	51.6	**56**

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	Background Threshold Value	B-10
Depth (feet)							3-4
Soil Type							FILL
Soil Conditions							Unsaturated
Sampling Date							4/23/2020
Volatile Organic Compounds (VOCs)							
Methylene Chloride	mg/Kg	8260B	0.0026	61.8	1,150	---	**0.29 J***

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	Background Threshold Value	B-11
Depth (feet)							2-3
Soil Type							FILL
Soil Conditions							Unsaturated
Sampling Date							4/23/2020
Volatile Organic Compounds (VOCs)							
Methylene Chloride	mg/Kg	8260B	0.0026	61.8	1,150	---	**0.27 J***
Naphthalene	mg/Kg	8260B	0.658182	5.52	24.10	---	**0.69 B**
Semivolatile Organic Compounds (SVOCs)							
Benzo[a]pyrene	mg/Kg	8270D	0.47	0.115	2.11	---	**0.39**
Benzo[b]fluoranthene	mg/Kg	8270D	0.4781	1.15	21.1	---	**0.59**
Chrysene	mg/Kg	8270D	0.1442	115	2110	---	**0.45**
Metals							
Arsenic	mg/Kg	6010B	0.584	0.677	3	8.3	**16**
Lead	mg/Kg	6010B	27	400	800	51.6	**53**

SOIL BORINGS AND TEMPORARY WELL LOCATIONS

- VOCs, PAHs, RCRA Metals, PCBs
- VOCs, PAHs, RCRA Metals
- VOCs, SVOCs, RCRA Metals, PCBs, Pesticide, Herbicides

ABBREVIATIONS: LEGEND:

R MONUMENT
OSS FOUND
UND
UND
OLE
ROUND
SQUARE
RANT
DESTAL
EDESTAL
WELL OR CORING
NHOLE
NHOLE

EXTENT OF NR 720 RCL EXCEEDANCES

OH — EX. OVERHEAD WIRES
BES — EX. BUREAU OF ELECTRICAL SERVICES
X — X — EX. FENCE LINE
COM — EX. COMMUNICATIONS

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PROJECT TITLE: COMMUNITY WITHIN THE CORRIDOR
MILWAUKEE, WI
PROJECT NUMBER: 40405

CLIENT: COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP

REVISIONS	DATE	DESCRIPTION

DRAWN BY AMZ	DATE 01/29/2021
CHECKED BY KVH	DATE 01/29/2021

SHEET TITLE
SOIL ISOCONCENTRATION PLUME

FIGURE 3

FILE NAME :P:\40405 CWC REMEDIAL ACTION PLAN\ENVIRONMENTAL\CADD\SHEETS\RAP\CWC RAP - FIG 3, 5.DWG PLOT DATE :1/30/2021 12:50 PM PLOT BY :RYAN TOY

Sample	Units	Method	NR 141.10 PAL - Preventative Action Limit (1)	NR 140.10 ES - Enforcement Standard (1)	TW-3
Screened Interval (feet bgs)					10-20
Sample Time					18:00
Sampling Date					4/10/2020
Volatile Organic Compounds (VOCs)					
1,1-Dichloroethane	ug/L	8260B	85	850	*120*
1,2,4-Trimethylbenzene**	ug/L	8260B	96	480	**6800**
1,3,5-Trimethylbenzene**	ug/L	8260B	96	480	**2700**
Benzene	ug/L	8260B	0.5	5	**170**
cis-1,2-Dichloroethene	ug/L	8260B	7	70	**200**
Ethylbenzene	ug/L	8260B	140	700	**1500**
Naphthalene	ug/L	8260B	10	100	**680 B**
Xylenes, Total	ug/L	8260B	800	4,000	*3500*
Semi Volatile Organic Compounds (SVOCs)					
Naphthalene	ug/L	8270D	10	100	**13000**
Dissolved RCRA Metals					
Arsenic	ug/L	6020A	1	10	**420**
Barium	ug/L	6020A	400	2000	*1300*
Cadmium	ug/L	6020A	0.5	5	**16**
Chromium	ug/L	6020A	10	100	**610**
Lead	ug/L	6020A	1.5	15	**1800**
Mercury	ug/L	7470A	0.2	2	*1*

Sample	TW-2
Screened Interval (feet bgs)	10-20
Not Sampled - DRY Sampling Interval	

Sample	TW-1
Screened Interval (feet bgs)	10-20
Not Sampled - DRY Sampling Interval	

Sample	TW-4
Screened Interval (feet bgs)	10-20
Not Sampled - DRY Sampling Interval	

NOTE: SURVEY PROVIDED BY JAHNKE & JAHNKE ASSOCIATES, LLC.

N W E S

SCALE IN FEET
0 50'

SOIL BORINGS AND TEMPORARY WELL LOCATIONS

- VOCs, PAHs, RCRA Metals, PCBs
- VOCs, PAHs, RCRA Metals
- VOCs, SVOCs, RCRA Metals, PCBs, Pesticide, Herbicides

ABBREVIATIONS:

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INV. = INVERT
IP = IRON PIPE
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U.S.G.S. = UNITED STATES GEOLOGICAL SURVEY
VAR = VARIES
VPI = VERTICAL POINT OF INTERSECTION
W = WEST

LEGEND:

- SECTION CORNER MONUMENT
- EX. CHISELED CROSS FOUND
- EX. IRON ROD FOUND
- EX. IRON PIPE FOUND
- EX. STORM MANHOLE
- EX. CATCH BASIN ROUND
- EX. CATCH BASIN SQUARE
- EX. SIAMESE HYDRANT
- EX. GAS VALVE
- EX. AIR CONDITIONER
- EX. ELECTRIC METER
- EX. GAS METER
- EX. ELECTRIC PEDESTAL
- EX. TELEPHONE PEDESTAL
- EX. CLEANOUT
- EX. POWER POLE
- EX. MONITORING WELL OR CORING
- EX. MAILBOX
- EX. SANITARY MANHOLE
- EX. UNKNOWN MANHOLE
- EX. COMBINED SEWER MANHOLE
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- EX. TELEPHONE MANHOLE
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- EX. LIGHT POLE
- EX. SIGN
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- OH — EX. OVERHEAD WIRES
- BES — EX. BUREAU OF ELECTRICAL SERVICES
- X — X — EX. FENCE LINE
- COM — EX. COMMUNICATIONS
- T — EX. TELEPHONE LINE
- G — EX. GAS LINE
- FIB — EX. FIBER OPTICS
- SS — EX. SANITARY SEWER (SAN)
- ST — EX. STORM SEWER (STO)
- W — EX. WATER MAIN
- EX. TREE LINE

UNDERGROUND COMBUSTIBLE GAS LINE

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MILWAUKEE, WI

CLIENT: ROERS COMPANIES

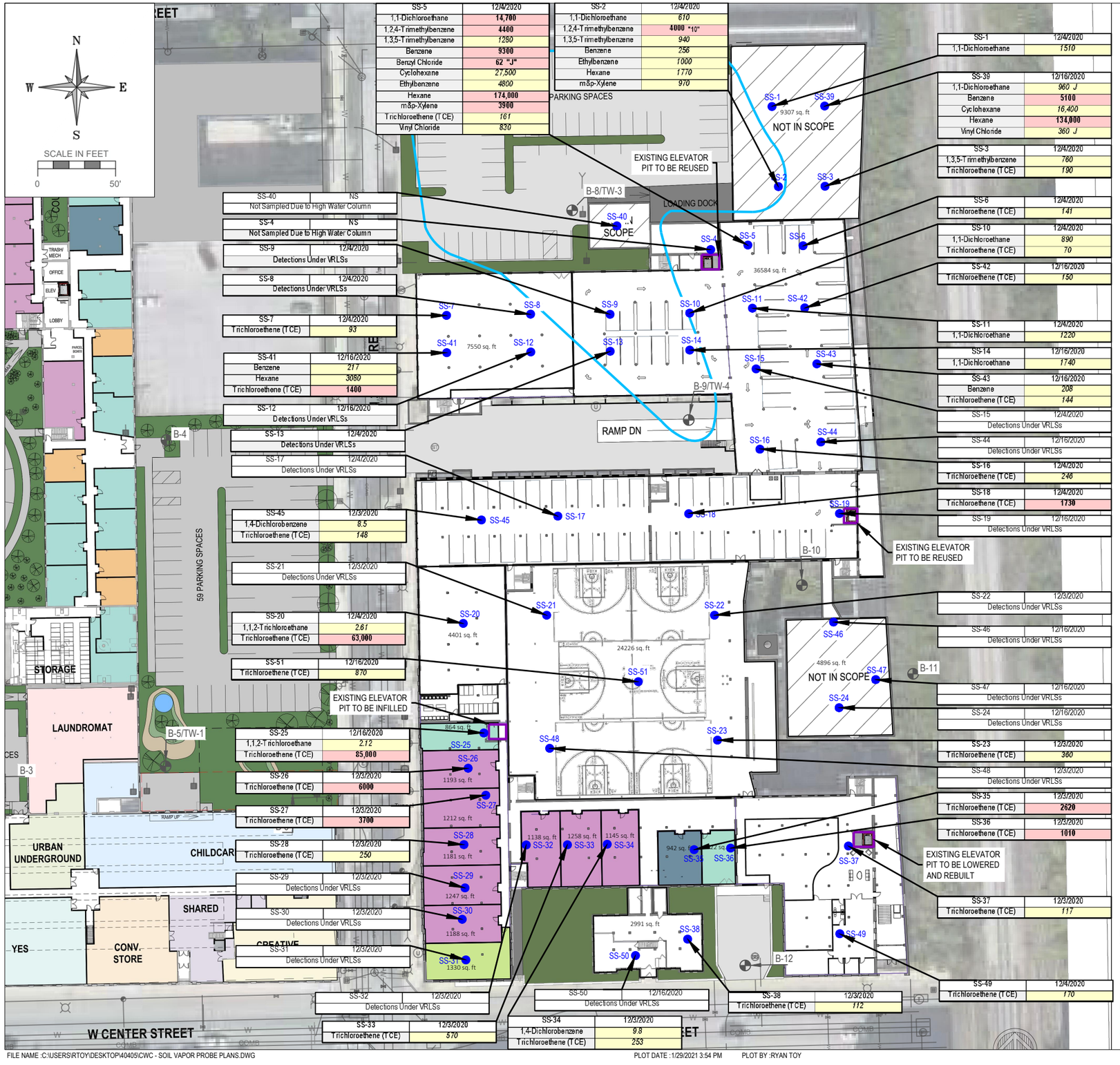
REVISIONS	DATE	DESCRIPTION

DRAWN BY AMZ	DATE 01/29/2021
CHECKED BY KVH	DATE 01/29/2021

SHEET TITLE
GROUNDWATER ANALYTICAL RESULTS

FIGURE 4

FILE NAME :P:\40405 CWC REMEDIAL ACTION PLAN\ENVIRONMENTAL\CADD\SHEETS\RAP\CWC RAP - FIG 4.DWG PLOT DATE :1/30/2021 12:53 PM PLOT BY :RYAN TOY



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

Sub-Slab Vapor		
Attenuation Factor	**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**
Tetrachloroethene	*1400*	**18000**
trans-1,2-Dichloroethene	---	---
Trichloroethene (TCE)	*70*	**880**
Vinyl Chloride	*57*	**2800**

NOTES:
1. REPORTED UNITS IN ug/m^3
2. BASED ON WI VAPOR QUICK LOOKUP - TABLE VAPOR RISK SCREENING LEVELS
3. NS = NOT SAMPLED
4. SAMPLING LOCATIONS ARE APPROXIMATE
5. "J" = ANALYTE DETECTED BETWEEN 'LIMIT OF DETECTION' AND 'LIMIT OF QUANTITATION'
6. "10" = LINEAR RANGE OF CALIBRATION CURVE EXCEEDED DURING ANALYSIS
7. BOLD INDICATES DETECTION IS ABOVE LARGE COMMERCIAL / INDUSTRIAL VRSLS
8. ITALICS INDICATES DETECTION IS ABOVE RESIDENTIAL VRSLS

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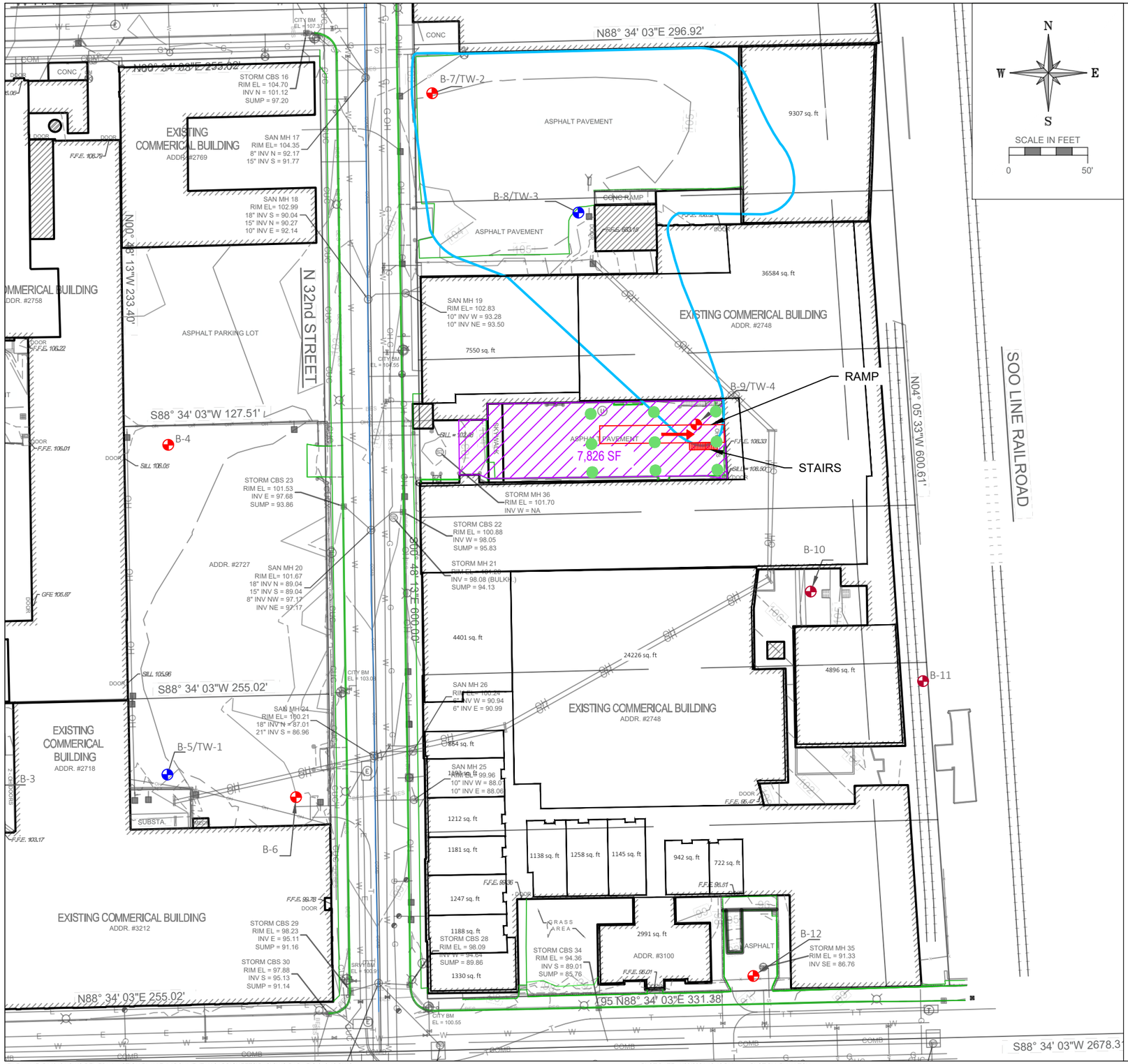
DRAWN BY	DATE
AMZ	01/29/2021
CHECKED BY	DATE
KVH	01/29/2021

SHEET TITLE
SUB-SLAB VAPOR SAMPLING RESULTS

FIGURE 5

FILE NAME :C:\USERS\RTOY\DESKTOP\40405\CWC - SOIL VAPOR PROBE PLANS.DWG PLOT DATE :1/29/2021 3:54 PM PLOT BY :RYAN TOY



SOIL BORINGS AND TEMPORARY WELL LOCATIONS

- VOCs, PAHs, RCRA Metals, PCBs
- VOCs, PAHs, RCRA Metals
- VOCs, SVOCs, RCRA Metals, PCBs, Pesticide, Herbicides
- NR 720 RCL Exceedance Extents
- Confirmatory Sample Location

ABBREVIATIONS:

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AMZ	01/29/2021
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KVH	01/29/2021

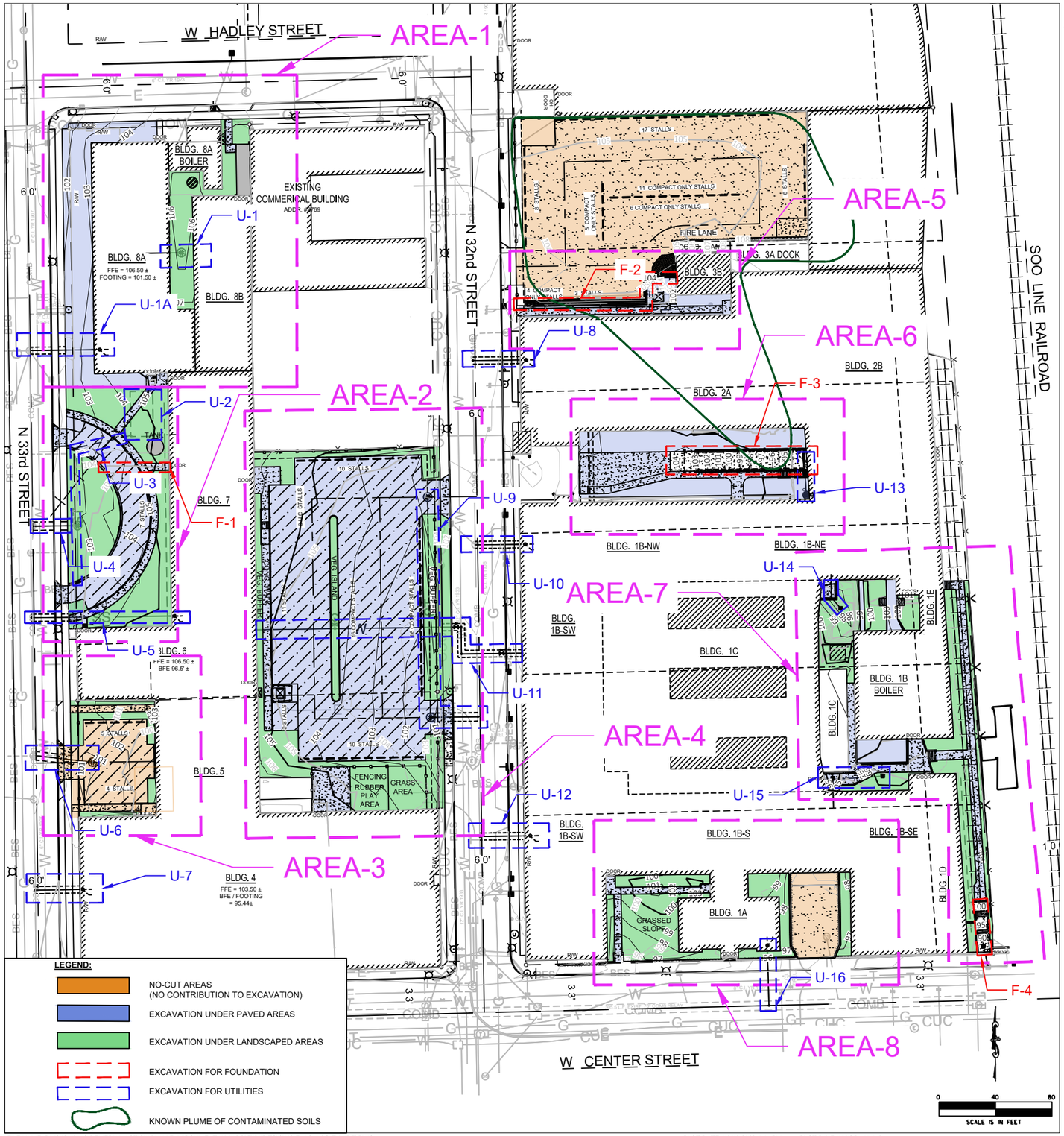
SHEET TITLE

SOIL EXCAVATION MAP

FIGURE 6A

SHEET 6A of SHEET 11

FILE NAME :P:\40405 CWC REMEDIAL ACTION PLAN\ENVIRONMENTAL\CADD\SHEETS\RAP\CWC RAP - FIG 2, 6,10.DWG PLOT DATE :1/30/2021 12:48 PM PLOT BY :RYAN TOY



FILE NAME :P:\40405 CWC REMEDIAL ACTION PLAN\ENVIRONMENTAL\CADD\EXHIBITS\CWC EW CALCS EXHIBIT.DWG PLOT DATE :10/12/2020 4:45 PM PLOT BY :ZAHOOR AHMAD

NOTE: EXCAVATION QUANTITIES ESTIMATED BY ENVIRONMENTAL CONSULTANT FOR DISPOSAL PURPOSES. ACTUAL EXCAVATION QUANTITIES TO BE DETERMINED BY THE CONTRACTOR.

Excavation under Paved Areas

Area No.	Avg. Cut Depth (Ft)	Pavement Area (S.Ft)	Avg. Pavement Depth (In)	Subgrade Depth (In)	Corrected Cut Depth (Ft)	Cut Volume (C.Ft)	Cut Volume (C.Yd)
	A	B	C	D	E= A+1/12x(C+D)	F = B x E	G = F/27
Area-1	-0.11	5,525	0.0	8.0	0.56	3,103	115
Area-2	0.56	5,270	4.5	8.0	1.60	8,441	313
Area-4	0.65	24,900	5.0	8.0	1.73	43,160	1,599
Area-5	0.03	2,300	0.0	8.0	0.70	1,602	59
Area-6	-0.22	6,390	0.0	8.0	0.45	2,854	106
Area-7	0.04	2,580	3.0	8.0	0.96	2,468	91
Area-8	-0.11	675	0.0	8.0	0.56	376	14
Total Paved Areas						62,004	2,296

Excavation under Landscaped Areas

Area No.	Avg. Cut Depth (Ft)	Landscaped Area (S.Ft)	Topsoil Depth (In)	Engineered Barrier Depth (In)	Corrected Cut Depth (Ft)	Cut Volume (C.Ft)	Cut Volume (C.Yd)
	A	B	C	D	E= A+1/12x(C+D)	F = B x E	G = F/27
Area-1	-0.11	2,450	0	18	1.40	3,418	127
Area-2	0.56	7,372	6	18	2.56	18,872	699
Area-3	-1.34	1,100	6	18	0.66	726	27
Area-4	0.65	8,730	6	18	2.65	23,135	857
Area-7	0.04	5,460	0	18	1.54	8,408	311
Area-8	-0.11	4,390	0	18	1.39	6,102	226
Total Landscaped Areas						60,661	2,247

Excavation for Utilities

Trench No.	Length (Ft)	Width (Ft)	Avg. Exc. Depth (Ft) *	Cut Volume (C.ft)	Cut Volume (C.YD)	Notes
	A	B	C	D = A x B x C	E = D / 27	
U-1	10	4	2	80	3	Storm
U-1A	56	4	9	2,016	75	Sanitary
U-2	40	25	8.5	8,500	315	Vault
U-3	135	4	2.5	1,350	50	Storm
U-4	32	4	4	512	19	Storm
U-5	109	4	8.5	3,706	137	Sanitary
U-6	40	4	4	640	24	Storm
U-7	40	4	10	1,600	59	Sanitary
U-8	43	4	10	1,720	64	Sanitary
U-9	105	4	2.5	1,050	39	Storm
U-10	42	4	10	1,680	62	Sanitary
U-11	210	4	5.5	4,620	171	Water
U-12	43	4	10	1,720	64	Sanitary
U-13	30	4	3	360	13	Storm
U-14	22	4	3	264	10	Storm
U-15	43	4	3.5	602	22	Storm
U-16	50	4	10	2,000	74	Sanitary
Total Utilities				32,420	1,201	

* Depth of pavement and/or landscaping has considered

Excavation for Foundations

Wall No.	Length (Ft)	Width (Ft)	Avg. Depth (Ft)	Cut Volume (C.ft)	Cut Volume (C.YD)	Notes
	A	B	C	D = A x B x C	E = D / 27	
F-1	40	4	4.0	640	24	Wall Removal
F-2	125	8	4.0	4,000	148	Wall Removal & Construction
F-3	100	18	6.5	11,700	433	Vehicle Ramp Construction
F-4	36	12	10.3	4,469	166	Steps Construction & Storm
Total Foundation				20,809	771	

Excavation/Cut Summary

Excavation Areas	Cut Volume (C.ft)	Cut Volume (C.YD)
Paved Areas	62,004	2,296
Landscaped Areas	60,661	2,247
Utility Trenches	32,420	1,201
Foundations	20,809	771
Total Site Cut	175,895	6,515

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REVISIONS	DATE	DESCRIPTION

DRAWN BY AMZ	DATE 09/21/2020
CHECKED BY KVH	DATE 09/21/2020

SHEET TITLE
EARTHWORK CALCULATIONS EXHIBIT

FIGURE 6B

SHEET 6B of SHEET 11

SOIL BORINGS AND TEMPORARY WELL LOCATIONS

- VOCs, PAHs, RCRA Metals, PCBs
- VOCs, PAHs, RCRA Metals
- VOCs, SVOCs, RCRA Metals, PCBs, Pesticide, Herbicides
- NR 720 RCL Exceedance Extents

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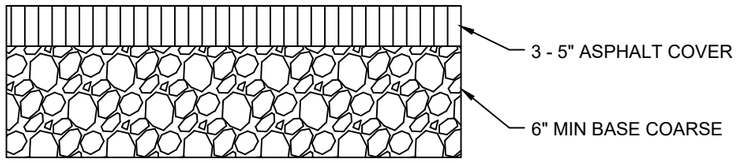
DRAWN BY	DATE
AMZ	01/29/2021
CHECKED BY	DATE
KVH	01/29/2021

SHEET TITLE

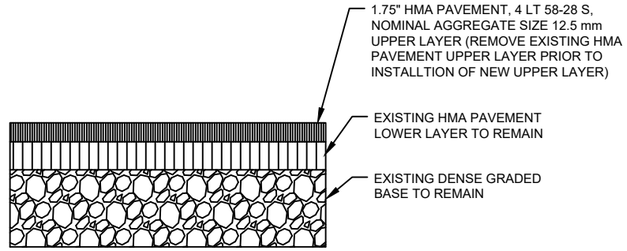
ENGINEERED BARRIER PLAN

FIGURE 7

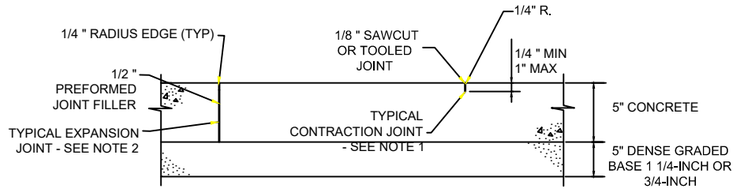
SHEET 7 of SHEET 11



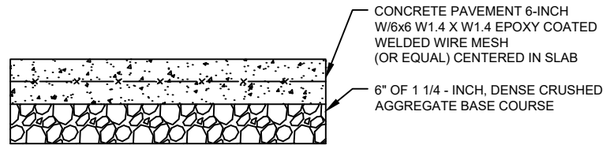
1/5 ASPHALT PAVEMENT
NOT TO SCALE



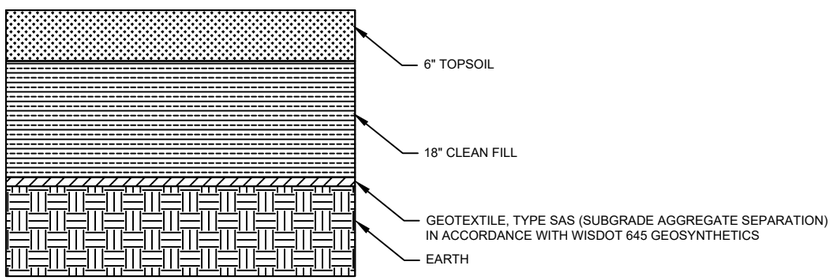
2/5 MILL & OVERLAY HMA
NOT TO SCALE



3/5 CONCRETE SIDEWALK
NOT TO SCALE



4/5 CONCRETE PAVEMENT
NOT TO SCALE



5/5 LANDSCAPE
NOT TO SCALE

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MILWAUKEE, WI
PROJECT NUMBER: 40405

CLIENT: COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP

REVISIONS	DATE	DESCRIPTION

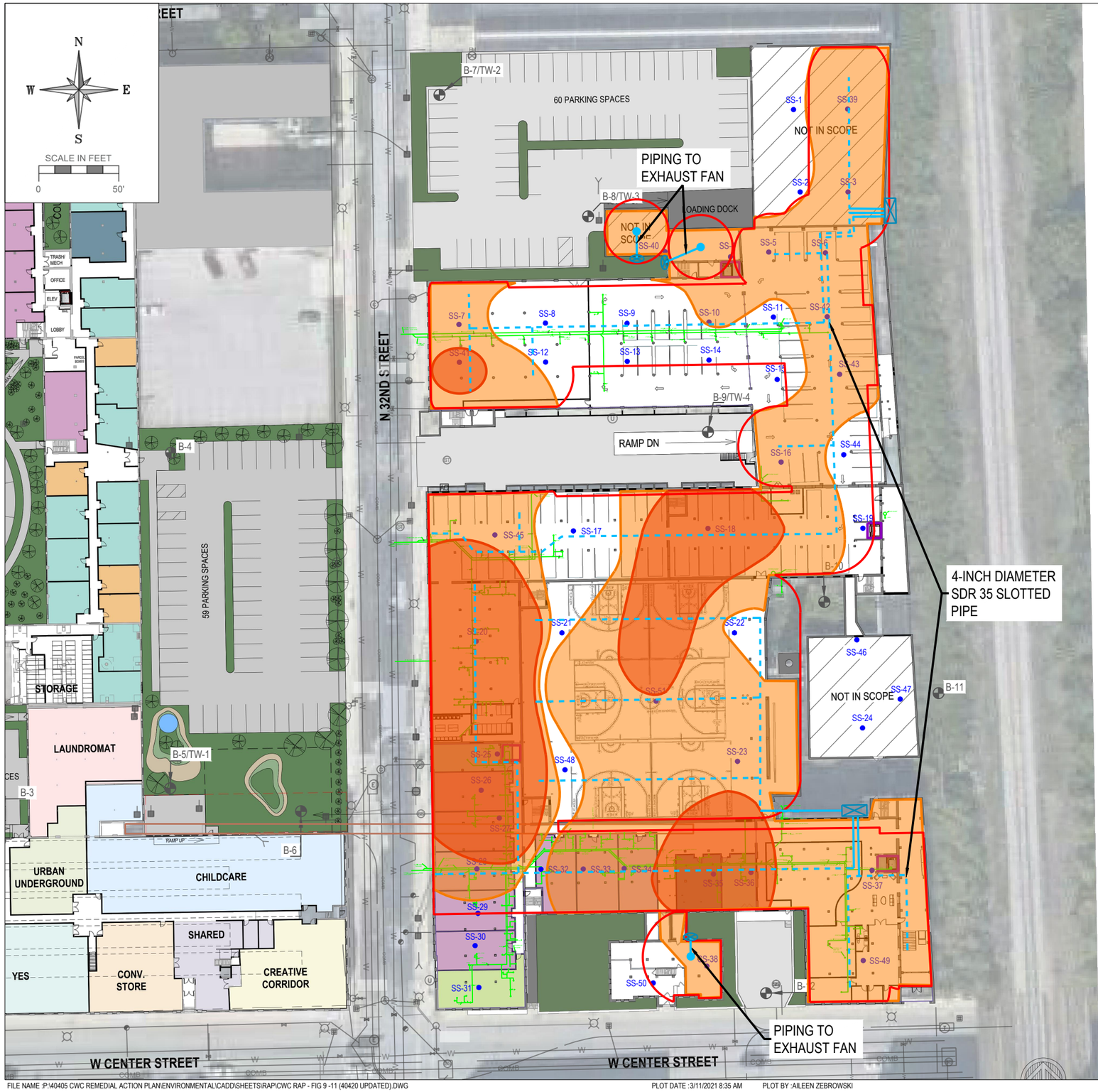
DRAWN BY AMZ	DATE 01/29/2021
CHECKED BY KVH	DATE 01/29/2021

SHEET TITLE

ENGINEERED BARRIER DETAILS

FIGURE 8

FILE NAME :P:\40405 CWC REMEDIAL ACTION PLAN\ENVIRONMENTAL\CADD\SHEETS\RAP\CWC RAP - FIG 2, 6,10.DWG PLOT DATE :1/29/2021 3:51 PM PLOT BY :RYAN TOY



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
- Slotted Horizontal Extraction Piping
- Solid Horizontal Extraction Piping
- Extraction Points
- Potential Blower Locations
- Vapor Mitigation Fan (RadonAway HS5000 or Equivalent)
- Underground Plumbing
- Zone of Influence

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

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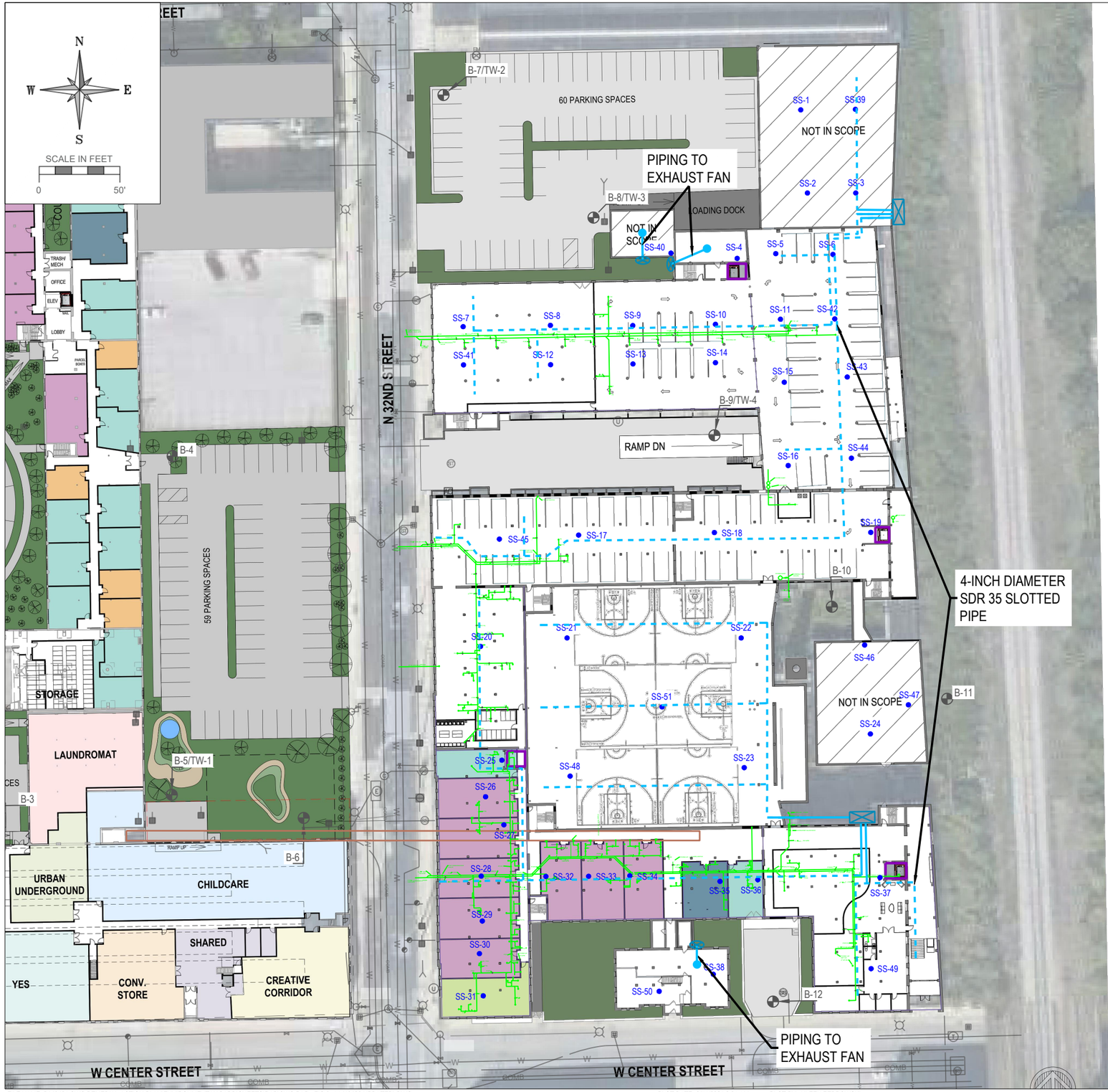
SHEET TITLE

VAPOR INTRUSION MITIGATION PLAN

FIGURE 9

SHEET 9 of SHEET 11

FILE NAME :P:\40405 CWC REMEDIAL ACTION PLAN\ENVIRONMENTAL\CADD\SHEETS\RAP\CWC RAP - FIG 9 -11 (40420 UPDATED).DWG PLOT DATE :3/11/2021 8:35 AM PLOT BY :AILEEN ZEBROWSKI



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

VAPOR MITIGATION SYSTEM COMPONENTS

- Slotted Horizontal Extraction Piping
- Solid Horizontal Extraction Piping
- Extraction Points
- Potential Blower Locations
- Vapor Mitigation Fan (RadonAway HS5000 or Equivalent)
- Underground Plumbing

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

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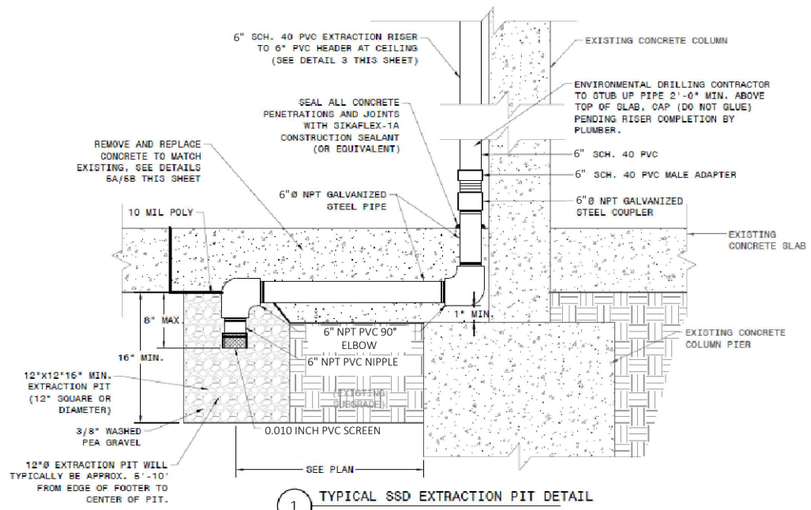
SHEET TITLE
LAYOUT OF THE PROPOSED VAPOR MITIGATION SYSTEM

FIGURE 10

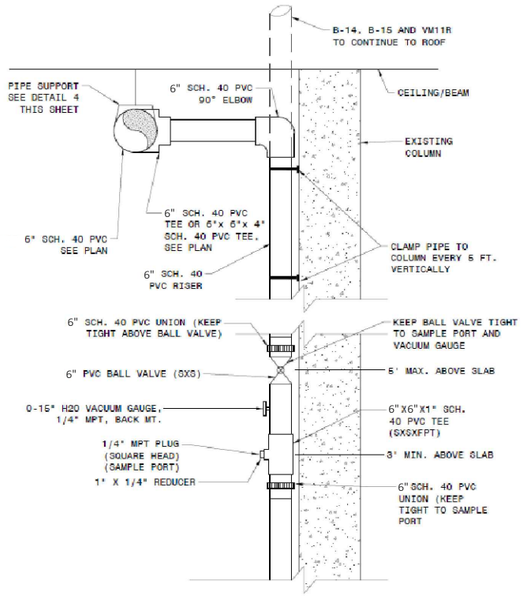
SHEET 10 of SHEET 11

FILE NAME :P:\40405 CWC REMEDIAL ACTION PLAN\ENVIRONMENTAL\CADD\SHEETS\RAP\CWC RAP - FIG 9 -11 (40420 UPDATED).DWG PLOT DATE :3/11/2021 8:35 AM PLOT BY :AILEEN ZEBROWSKI



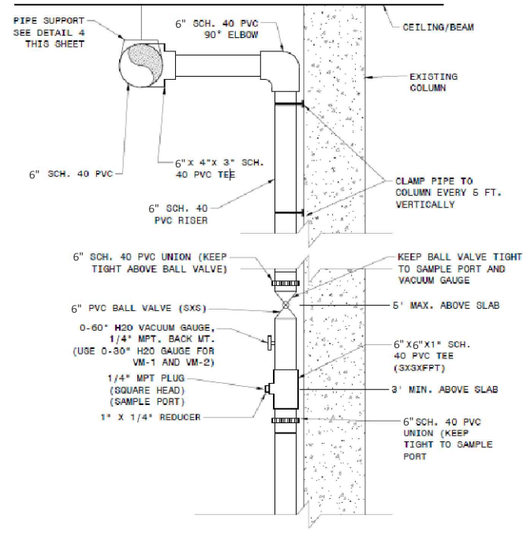
1 TYPICAL SSD EXTRACTION PIT DETAIL
SCALE: N.T.S.

NOTES:
1. SAW-CUT AND EXCAVATE 12"X12"X16" OR CORE 12" DIAMETER HOLE THROUGH EXISTING CONCRETE USING DIAMOND CORE RIG.
2. ANCHOR CORE RIG TO CONCRETE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
3. ALL EXCAVATED SUB-SLAB MATERIALS TO BE DRUMMED OR CONTAINERIZED.
4. REINFORCING STEEL NOT SHOWN.
5. ENVIRONMENTAL DRILLING CONTRACTOR TO COMPLETE ALL SUBSURFACE WORK WITH PIPING STUBBED UP 2 FT. ABOVE SLAB PENDING RISER COMPLETION BY PLUMBING CONTRACTOR. IN ACCORDANCE WITH DETAIL 3.
6. CONTRACTOR IS TO PREP AND COMPACT EXISTING SUBGRADE PRIOR TO PLACEMENT OF PEA GRAVEL AND CONCRETE. SUBGRADE SHALL BE COMPACTED TO 100% STANDARD PROCTOR.



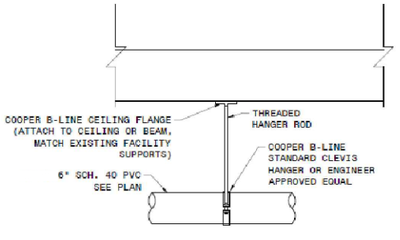
2 TYPICAL VM-# EXTRACTION RISER
SCALE: N.T.S.

NOTE:
1. PLUMBING CONTRACTOR TO COMPLETE RISER CONSTRUCTION AND ALL PIPING FROM STUB-UP 2 FT ABOVE FLOOR SLAB TO SSDS EQUIPMENT AT 1 FOOT ABOVE ROOF.



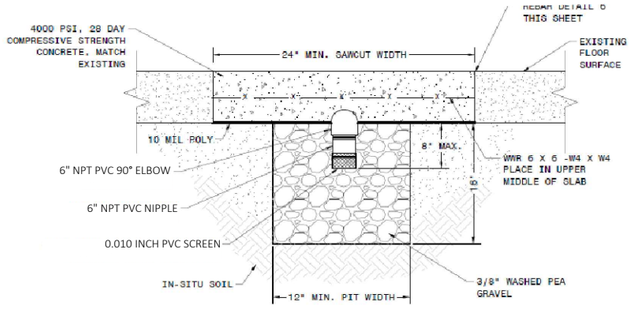
3 TYPICAL VE-# EXTRACTION RISER
SCALE: N.T.S.

NOTE:
1. PLUMBING CONTRACTOR TO COMPLETE RISER CONSTRUCTION AND ALL PIPING FROM STUB-UP 2 FT ABOVE FLOOR SLAB TO SSDS EQUIPMENT AT ROOF.
2. EXTRACTION RISERS VM-1 AND VM-2 TO BE REDUCED FROM 6" SCH 40 PVC AT RISER STUB-UP AND CONSTRUCTED IN ACCORDANCE WITH THIS DETAIL INSTEAD OF THE VM-# RISER DETAIL 2 ON THIS SHEET.

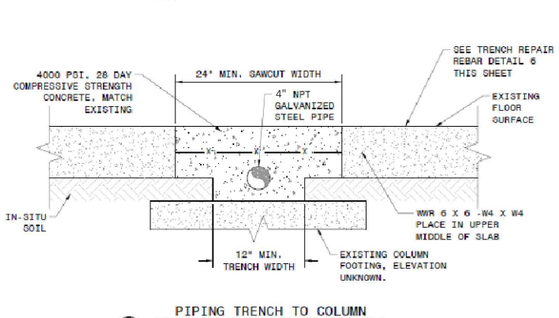


NOTES:
1. HORIZONTAL PIPING SHALL BE SUPPORTED A MINIMUM OF EVERY 7.5 FEET.
2. SEE SLOPE REQUIREMENT BELOW FOR SPECIFICATIONS REGARDING DRAINAGE. SEE PLAN FOR SLOPE DIRECTION.

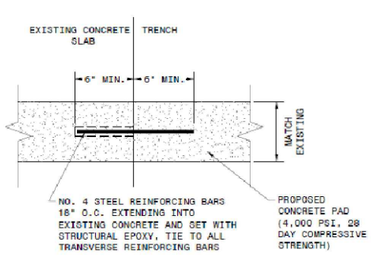
4 HANGING PIPE SUPPORT (TYP.)
SCALE: N.T.S.



5A EXTRACTION PIT CONCRETE SLAB REPAIR DETAILS
SCALE: N.T.S.



5B PIPING TRENCH TO COLUMN CONCRETE SLAB REPAIR DETAILS
SCALE: N.T.S.

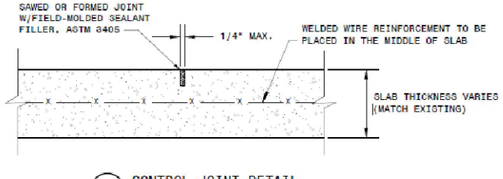


6 TYPICAL TRENCH REPAIR REBAR DETAIL
SCALE: N.T.S.

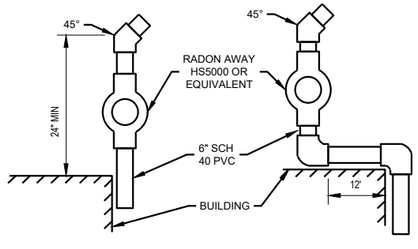
NOTE:
1. WHERE TRENCH LENGTHS EXCEEDS 10 FT. TRANSVERSE CONTROL JOINTS TO BE PLACED ON 10 FT. SPACING. SEE DETAIL 7 THIS SHEET.
2. 10 MIL POLY TO BE PLACED OVER TRENCH OR EXTRACTION PIT PRIOR TO CONCRETE POUR.

SLOPE REQUIREMENT:

ABOVE-GROUND DUCT PIPING SHALL HAVE A CONTINUOUS DOWNWARD SLOPE TOWARDS THE SUCTION POINT(S) OF NOT LESS THAN ¼ INCH PER FOOT TO ALLOW RAINWATER OR CONDENSATION WITHIN THE PIPES TO DRAIN DOWNWARD INTO THE GROUND BENEATH THE SLAB OR SOIL-GAS RETARDER MEMBRANE. CONFIGURATIONS THAT RESULT IN OBSTRUCTED AIRFLOW BY ALLOWING WATER TO COLLECT WITHIN DUCT PIPING ARE PROHIBITED. WHEN THE REQUIRED SLOPE OR DRAINAGE CANNOT BE ACHIEVED, OTHER METHODS FOR DRAINING COLLECTED WATER SHALL BE PROVIDED.

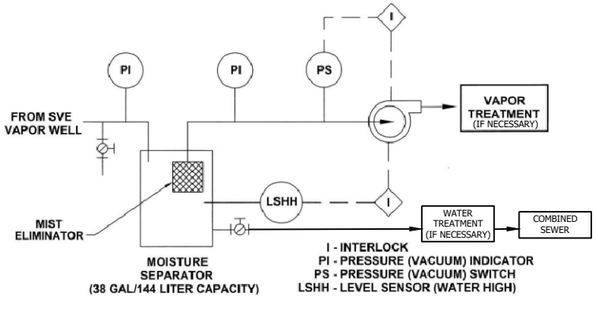


7 CONTROL JOINT DETAIL
SCALE: N.T.S.

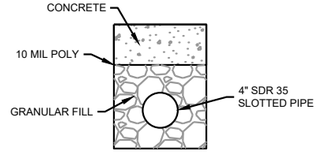


8A VAPOR EXTRACTION POINT EXHAUST DETAILS
SCALE: N.T.S.

8B VAPOR EXTRACTION POINT EXHAUST DETAILS
SCALE: N.T.S.



9 SSDS / SVE BLOWER SCHEMATIC
SCALE: N.T.S.



10 EXTRACTION TRENCH DETAIL
SCALE: N.T.S.

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SHEET TITLE
VAPOR INTRUSION MITIGATION DETAILS

FIGURE 11

SHEET 11 of SHEET 11

TABLES

Table 1. Soil Quality Test Results
Community Within the Corridor, 2748 N 32nd Street, Milwaukee, Wisconsin

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	Background Threshold Value	B-1	B-2	B-3	B-4	B-5	B-6	B-7	B-8	B-9	B-10	B-11	B-12
Depth (feet)							5.5-7.5	4-6	4-6	4-6	3-5	3-5	3-5	9-11	4-6	3-4	2-3	3.5-5.5
Soil Type							Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY	CLAY	Sandy CLAY	SAND & GRAVEL	Silty CLAY	Sandy CLAY	FILL	FILL	Silty CLAY
Soil Conditions							Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated
Sampling Date							4/10/2020	4/10/2020	4/10/2020	4/10/2020	4/10/2020	4/10/2020	4/10/2020	4/10/2020	4/10/2020	4/23/2020	4/23/2020	4/10/2020
Physical Characteristics																		
Percent Moisture	%	---	---	---	---	---	11.9	12.4	11.7	12.1	13.1	11.4	15.8	10.5	13	7.6	6.6	9.2
Percent Solids	%	---	---	---	---	---	88.1	87.6	88.3	87.9	86.9	88.6	84.2	89.5	87	92.4	93.4	90.8
Volatile Organic Compounds (VOCs)																		
1,1,1,2-Tetrachloroethane	mg/Kg	8260B	0.0534	2.78	12.3	---	<0.040	<0.036	<0.039	<0.043	<0.046	<0.059	<0.047	<0.041	<0.051	<0.045	<0.044	<0.041
1,1,1-Trichloroethane	mg/Kg	8260B	0.1402	640	640	---	<0.033	<0.030	<0.032	<0.035	<0.038	<0.048	<0.039	**0.18**	0.077 J	<0.037	<0.037	<0.034
1,1,2,2-Tetrachloroethane	mg/Kg	8260B	0.0002	0.81	3.6	---	<0.035	<0.031	<0.033	<0.037	<0.040	<0.051	<0.041	<0.035	<0.044	<0.039	<0.038	<0.035
1,1,2-Trichloroethane	mg/Kg	8260B	0.0032	1.59	7.01	---	<0.031	<0.028	<0.029	<0.032	<0.035	<0.045	<0.036	<0.031	<0.039	<0.035	<0.034	<0.031
1,1-Dichloroethane	mg/Kg	8260B	0.4834	5.06	22.2	---	<0.036	<0.032	<0.034	<0.038	<0.041	<0.052	<0.042	<0.036	<0.045	<0.040	<0.039	<0.036
1,1-Dichloroethene	mg/Kg	8260B	0.005	320	1,190	---	<0.034	<0.031	<0.033	<0.036	<0.039	<0.050	<0.040	<0.034	<0.043	<0.038	<0.038	<0.034
1,1-Dichloropropene	mg/Kg	8260B	---	---	---	---	<0.026	<0.024	<0.025	<0.027	<0.030	<0.038	<0.031	<0.026	<0.033	<0.029	<0.029	<0.026
1,2,3-Trichlorobenzene	mg/Kg	8260B	---	62.6	934	---	<0.040	<0.036	<0.038	<0.042	<0.046	<0.058	<0.047	<0.040	<0.050	<0.045	<0.044	<0.040
1,2,3-Trichloropropane	mg/Kg	8260B	0.0519	0.005	0.109	---	<0.036	<0.033	<0.035	<0.038	<0.041	<0.053	<0.042	<0.036	<0.046	<0.041	<0.040	<0.037
1,2,4-Trichlorobenzene	mg/Kg	8260B	0.408	24	113	---	<0.030	<0.027	<0.029	<0.032	<0.034	<0.044	<0.035	<0.030	<0.038	<0.034	<0.033	<0.030
1,2,4-Trimethylbenzene	mg/Kg	8260B	1.3787**	219	219	---	<0.031	<0.028	<0.030	<0.033	<0.036	<0.046	0.11	**34**	0.35	<0.035	0.28	<0.032
1,2-Dibromo-3-Chloropropane	mg/Kg	8260B	0.0002	0.008	0.092	---	<0.17	<0.16	<0.17	<0.18 *	<0.20 *	<0.25 *	<0.20 *	<0.17 *	<0.22 *	<0.20 *	<0.19	<0.18 *
1,2-Dibromoethane	mg/Kg	8260B	0.0000282	0.05	0.221	---	<0.034	<0.030	<0.032	<0.036	<0.039	<0.049	<0.040	<0.034	<0.042	<0.038	<0.037	<0.034
1,2-Dichlorobenzene	mg/Kg	8260B	1.168	376	376	---	<0.029	<0.026	<0.028	<0.031	<0.033	<0.043	<0.034	<0.029	<0.037	<0.033	<0.032	<0.030
1,2-Dichloroethane	mg/Kg	8260B	0.0028	0.652	2.87	---	<0.034	<0.031	<0.033	<0.036	<0.039	<0.050	<0.040	<0.034	<0.043	<0.038	<0.038	<0.035
1,2-Dichloropropane	mg/Kg	8260B	0.0033	3.4	15	---	<0.037	<0.034	<0.036	<0.039	<0.043	<0.055	<0.044	<0.038	<0.047	<0.042	<0.041	<0.038
1,3,5-Trimethylbenzene	mg/Kg	8260B	1.3787**	182	182	---	<0.033	<0.030	<0.032	<0.035	<0.038	<0.048	<0.039	**14**	0.080 J	<0.037	0.11	<0.034
1,3-Dichlorobenzene	mg/Kg	8260B	1.1528	297	297	---	<0.035	<0.032	<0.033	<0.037	<0.040	<0.051	<0.041	<0.035	<0.044	<0.039	<0.038	<0.035
1,3-Dichloropropane	mg/Kg	8260B	0.0003	2.37	10.6	---	<0.032	<0.029	<0.030	<0.033	<0.036	<0.046	<0.037	<0.032	<0.040	<0.035	<0.035	<0.032
1,4-Dichlorobenzene	mg/Kg	8260B	0.144	3.74	16.4	---	<0.032	<0.029	<0.030	<0.034	<0.036	<0.046	<0.037	<0.032	<0.040	<0.036	<0.035	<0.032
2,2-Dichloropropane	mg/Kg	8260B	---	191	191	---	<0.039	<0.035	<0.037	<0.041	<0.044	<0.057	<0.045	<0.039	<0.049	<0.044	<0.043	<0.039
2-Chlorotoluene	mg/Kg	8260B	---	907	907	---	<0.027	<0.025	<0.026	<0.029	<0.031	<0.040	<0.032	<0.028	<0.035	<0.031	<0.030	<0.028
4-Chlorotoluene	mg/Kg	8260B	---	253	253	---	<0.030	<0.028	<0.029	<0.032	<0.035	<0.045	<0.036	<0.031	<0.039	<0.034	<0.034	<0.031
Benzene	mg/Kg	8260B	0.0051	1.6	7.07	---	<0.013	<0.012	<0.012	<0.013	<0.015	<0.019	**0.077**	**0.13**	**0.046**	<0.014	0.055	<0.013
Bromobenzene	mg/Kg	8260B	---	342	679	---	<0.031	<0.028	<0.030	<0.033	<0.036	<0.045	<0.036	<0.031	<0.039	<0.035	<0.034	<0.031
Bromochloromethane	mg/Kg	8260B	---	216	906	---	<0.037	<0.034	<0.036	<0.039	<0.043	<0.055	<0.044	<0.038	<0.047	<0.042 *	<0.041 *	<0.038
Bromodichloromethane	mg/Kg	8260B	0.0003	0.418	1.83	---	<0.032	<0.029	<0.031	<0.034	<0.037	<0.047	<0.038	<0.033	<0.041	<0.036	<0.036	<0.033
Bromoform	mg/Kg	8260B	0.0023	25.4	113	---	<0.042	<0.038	<0.040	<0.045	<0.048	<0.062	<0.050	<0.043	<0.053	<0.047	<0.047	<0.043
Bromomethane	mg/Kg	8260B	0.0051	9.6	43	---	<0.069 *	<0.063 *	<0.067 *	<0.073 *	<0.080 *	<0.10 *	<0.081 *	<0.070 *	<0.088 *	<0.078 *	<0.077 *F1	<0.070 *
Carbon tetrachloride	mg/Kg	8260B	0.0039	0.916	4.03	---	<0.033	<0.030	<0.032	<0.035	<0.038	<0.049	<0.039	<0.034	<0.042	<0.038	<0.037	<0.034
Chlorobenzene	mg/Kg	8260B	---	370	761	---	<0.034	<0.030	<0.032	<0.036	<0.039	<0.049	<0.040	<0.034	<0.042	<0.038	<0.037	<0.034
Chloroethane	mg/Kg	8260B	0.2266	2,120	2,120	---	<0.044	<0.040	<0.042	<0.046	<0.050	<0.064	<0.052	<0.044	<0.055	<0.049 *	<0.048 *	<0.045
Chloroform	mg/Kg	8260B	0.0033	0.454	1.98	---	<0.032	<0.029	<0.031	<0.034	<0.037	<0.047	<0.038	<0.032	<0.041	<0.036	<0.036	<0.033
Chloromethane	mg/Kg	8260B	0.0155	159	669	---	<0.028	<0.025	<0.027	<0.029	<0.032	<0.041	<0.033	<0.028	<0.035	<0.031	<0.031	<0.028
cis-1,2-Dichloroethene	mg/Kg	8260B	0.0412	156	2,340	---	<0.036	<0.032	<0.034	<0.038	<0.041	<0.052	<0.042	**0.052 J**	<0.045	<0.040	<0.039	<0.036
cis-1,3-Dichloropropene	mg/Kg	8260B	0.0003	1,210	1,210	---	<0.036	<0.033	<0.035	<0.038	<0.042	<0.053	<0.043	<0.037	<0.046	<0.041	<0.040	<0.037
Dibromochloromethane	mg/Kg	8260B	0.032	8.28	38.9	---	<0.042	<0.039	<0.041	<0.045	<0.049	<0.062	<0.050	<0.043	<0.054	<0.048	<0.047	<0.043
Dibromomethane	mg/Kg	8260B	---	34	143	---	<0.023	<0.021	<0.023	<0.025	<0.027	<0.034	<0.028	<0.024	<0.030	<0.026 *	<0.026 *	<0.024
Dichlorodifluoromethane	mg/Kg	8260B	3.0863	126	530	---	<0.059	<0.053	<0.056	<0.062	<0.067	<0.086	<0.069	<0.059	<0.074	<0.066	<0.065	<0.060
Ethylbenzene	mg/Kg	8260B	1.57	8.02	35.4	---	<0.016	<0.014	<0.015	<0.017	<0.018	<0.023	0.051	**5.6**	0.13	<0.018	0.08	<0.016
Hexachlorobutadiene	mg/Kg	8260B	---	1.63	7.19	---	<0.039	<0.035	<0.037	<0.041	<0.045	<0.057	<0.046	<0.039	<0.049	<0.044	<0.043	<0.039
Isopropyl ether	mg/Kg	8260B	---	2,260	2,260	---	<0.024	<0.022	<0.023	<0.025	<0.028	<0.035	<0.028	<0.024	<0.030	<0.027	<0.027	<0.024
Isopropylbenzene	mg/Kg	8260B	---	268	268	---	<0.033	<0.030	<0.032	<0.035	<0.038	<0.049	<0.039	1.8	0.11	<0.038	<0.037	<0.034
Methyl tert-butyl ether	mg/Kg	8260B	0.027	63.8	282	---	<0.034	<0.031	<0.033	<0.036	<0.039	<0.050	<0.040	<0.035	<0.043	<0.039 *	<0.038 *	<0.035
Methylene Chloride	mg/Kg	8260B	0.0026	61.8	1,150	---	<0.14	<0.13	<0.14	<0.15	<0.16	<0.21	<0.17	<0.14	<0.18	**0.29 J***	**0.27 J***	<0.14
Naphthalene	mg/Kg	8260B	0.658182	5.52	24.10	---	<0.029	<0.026	<0.028	<0.031	<0.033	<0.043	0.15	**3.9**	**0.7**	<0.033	**0.69 B**	<0.030
n-Butylbenzene	mg/Kg	8260B	---	108	108	---	<0.034	<0.031	<0.032	<0.036	<0.039	<0.049	<0.040	10	0.059 J	<0.038	<0.037	<0.034
N-Propylbenzene	mg/Kg	8260B	---	264	264	---	<0.036	<0.033	<0.035	<0.038	<0.041	<0.053	<0.042	4.2	0.13	<0.041	0.048 J	<0.037
p-Isopropyltoluene	mg/Kg	8260B	---	162	162	---	<0.032	<0.029	<0.030	<0.033	<0.036	<0.046	<0.037	5.1	<0.040	<0.035	<0.035	<0.032
sec-Butylbenzene	mg/Kg	8260B	---	145	145	---	<0.035	<0.031	<0.033	<0.037	<0.040	<0.051	<0.041	3.8	0.045 J	<0.039	<0.038	<0.035
Styrene	mg/Kg	8260B	0.22	867	867	---	<0.034	<0.030	<0.032	<0.036	<0.039	<0.049	<0.040	<0.034	<0.042	<0.038	<0.037	<0.034
tert-Butylbenzene	mg/Kg	8260B	---	183	183	---	<0.035	<0.031	<0.033	<0.037	<0.040	<0.051	<0.041	0.38	<0.044	<0.039	<0.038	<0.035
Tetrachloroethene	mg/Kg	8260B	0.0045	33	145	---	<0.032	<0.029	<0.031	<0.034	<0.037	<0.047	<0.038	**0.15**	<0.041	<0.036	<0.036	<0.033
Toluene	mg/Kg	8260B	1.1072	818	818	---	<0.013	<0.012	<0.012	<0.014	<0.015	<0.019	0.28	0.23	0.29	<0.014	0.38	<0.013
trans-1,2-Dichloroethene	mg/Kg	8260B	0.0626	1560	1850	---	<0.030	<0.028	<0.029	<0.032	<0.035	<0.045	<0.036	<0.031	<0.039	<0.034	<0.034	<0.031
trans-1,3-Dichloropropene	mg/Kg	8260B	---	1,510	1,510	---	<0.032	<0.029	<0.030	<0.033	<0.036	<0.046	<0.037	<0.032	<0.040	<0.035	<0.035	<0.032
Trichloroethene	mg/Kg	8260B	0.0036	1.3	8.41	---	<0.014	<0.013	<0.014	<0.015	<0.016	<0.021	<0.017	**2.2**	**0.16**	<0.016	<0.016	<0.014
Trichlorofluoromethane	mg/Kg	8260B	---	1,230	1,230	---	<0.037	<0.034	<0.036	<0.039	<0.043	<0.055	<0.044	<0.038	<0.047	<0.042	<0.041	<0.038
Vinyl chloride	mg/Kg	8260B	0.0001	0.067	2.08	---	<0.023	<0.021	<0.022	<0.024	<0.026	<0.033	<0.027	<0.023	<0.029	<0.026	<0.025	<0.023
Xylenes, Total	mg/Kg	8260B	3.96	1,212	1212	---	<0.019	<0.017	<0.018	<0.020	<0.022	<0.028	0.37	**15**	1	<0.022	0.81	<0.019
Semivolatile Organic Compounds (SVOCs)																		
1,2,4-Trichlorobenzene	mg/Kg	8270D	0.408	24	113	---	---	---	---	---	---	---	---	---	---	<0.038	<0.038	---
1,2-Dichlorobenzene	mg/Kg	8270D	1.168	376	376	---	---	---	---	---	---	---	---	---	---	<0.042	<0.042	---
1,3-Dichlorobenzene	mg/Kg	8270D	1.1528	297	297	---	---	---	---	---	---	---	---	---	---	<0.040	<0.040	---
1,4-Dichlorobenzene	mg/Kg	8270D	0.144	3.74	16.4	---	---	---	---	---	---	---	---	---	---	<0.045	<0.045	---
1-Methylnaphthalene	mg/Kg	8270D	---	17.6	72.7	---	---	---	---	---	---	---	---	---	---	<0.0087	0.27	---
2,2'-oxybis[1-chloropropane]	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.041	<0.041	---

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Table 1. Soil Quality Test Results
Community Within the Corridor, 2748 N 32nd Street, Milwaukee, Wisconsin

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	Background Threshold Value	B-1	B-2	B-3	B-4	B-5	B-6	B-7	B-8	B-9	B-10	B-11	B-12
Depth (feet)							5.5-7.5	4-6	4-6	4-6	3-5	3-5	3-5	9-11	4-6	3-4	2-3	3.5-5.5
Soil Type							Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY	CLAY	Sandy CLAY	SAND & GRAVEL	Silty CLAY	Sandy CLAY	FILL	FILL	Silty CLAY
Soil Conditions							Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated
Sampling Date							4/10/2020	4/10/2020	4/10/2020	4/10/2020	4/10/2020	4/10/2020	4/10/2020	4/10/2020	4/10/2020	4/23/2020	4/23/2020	4/10/2020
2,4,5-Trichlorophenol	mg/Kg	8270D	---	6320	82,100	---	---	---	---	---	---	---	---	---	---	<0.081	<0.081	---
2,4,6-Trichlorophenol	mg/Kg	8270D	---	49.3	209	---	---	---	---	---	---	---	---	---	---	<0.12	<0.12	---
2,4-Dichlorophenol	mg/Kg	8270D	---	190	2460	---	---	---	---	---	---	---	---	---	---	<0.084	<0.084	---
2,4-Dimethylphenol	mg/Kg	8270D	---	1260	16,400	---	---	---	---	---	---	---	---	---	---	<0.13	<0.13	---
2,4-Dinitrophenol	mg/Kg	8270D	---	126	1640	---	---	---	---	---	---	---	---	---	---	<0.62	<0.62	---
2,4-Dinitrotoluene	mg/Kg	8270D	0.0001	1.74	7.37	---	---	---	---	---	---	---	---	---	---	<0.056	<0.056	---
2,6-Dinitrotoluene	mg/Kg	8270D	0.0001	0.363	1.54	---	---	---	---	---	---	---	---	---	---	<0.070	<0.070	---
2-Chloronaphthalene	mg/Kg	8270D	---	4780	60,300	---	---	---	---	---	---	---	---	---	---	<0.039	<0.039	---
2-Chlorophenol	mg/Kg	8270D	---	391	5,840	---	---	---	---	---	---	---	---	---	---	<0.061	<0.060	---
2-Methylnaphthalene	mg/Kg	8270D	---	239	3010	---	---	---	---	---	---	---	---	---	---	<0.0065	0.39	---
2-Methylphenol	mg/Kg	8270D	---	3160	41,000	---	---	---	---	---	---	---	---	---	---	<0.057	<0.057	---
2-Nitroaniline	mg/Kg	8270D	---	627	8010	---	---	---	---	---	---	---	---	---	---	<0.048	<0.048	---
2-Nitrophenol	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.084	<0.084	---
3 & 4 Methylphenol	mg/Kg	8270D	---	9480**	123,100**	---	---	---	---	---	---	---	---	---	---	<0.059	<0.059	---
3,3'-Dichlorobenzidine	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.050	<0.050	---
3-Nitroaniline	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.11	<0.11	---
4,6-Dinitro-2-methylphenol	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.28	<0.28	---
4-Bromophenyl phenyl ether	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.047	<0.047	---
4-Chloro-3-methylphenol	mg/Kg	8270D	---	6320	82,100	---	---	---	---	---	---	---	---	---	---	<0.12	<0.12	---
4-Chloroaniline	mg/Kg	8270D	---	2.71	11.5	---	---	---	---	---	---	---	---	---	---	<0.17	<0.17	---
4-Chlorophenyl phenyl ether	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.041	<0.041	---
4-Nitroaniline	mg/Kg	8270D	---	27.1	115	---	---	---	---	---	---	---	---	---	---	<0.15	<0.15	---
4-Nitrophenol	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.34	<0.34	---
Acenaphthene	mg/Kg	8270D	---	3590	45,200	---	---	---	---	---	---	---	---	---	---	<0.0064	<0.0064	---
Acenaphthylene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.0047	<0.0047	---
Anthracene	mg/Kg	8270D	196.9492	17,900	100,000	---	---	---	---	---	---	---	---	---	---	0.016 J	0.087	---
Benzo[a]anthracene	mg/Kg	8270D	---	1.14	21	---	---	---	---	---	---	---	---	---	---	0.074	0.36	---
Benzo[a]pyrene	mg/Kg	8270D	0.47	0.115	2.11	---	---	---	---	---	---	---	---	---	---	0.11	**0.39**	---
Benzo[b]fluoranthene	mg/Kg	8270D	0.4781	1.15	21.1	---	---	---	---	---	---	---	---	---	---	0.16	**0.59**	---
Benzo[g,h,i]perylene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	0.062	0.18	---
Benzo[k]fluoranthene	mg/Kg	8270D	---	11.5	211	---	---	---	---	---	---	---	---	---	---	0.05	0.21	---
Benzoic acid	mg/Kg	8270D	---	100,000	100,000	---	---	---	---	---	---	---	---	---	---	<0.35	<0.35	---
Benzyl alcohol	mg/Kg	8270D	---	6320	82,100	---	---	---	---	---	---	---	---	---	---	<0.35	<0.35	---
Bis(2-chloroethoxy)methane	mg/Kg	8270D	---	190	2460	---	---	---	---	---	---	---	---	---	---	<0.036	<0.036	---
Bis(2-chloroethyl)ether	mg/Kg	8270D	---	0.286	1.29	---	---	---	---	---	---	---	---	---	---	<0.053	<0.053	---
Bis(2-ethylhexyl) phthalate	mg/Kg	8270D	2.88	38.8	164	---	---	---	---	---	---	---	---	---	---	<0.065	0.24	---
Butyl benzyl phthalate	mg/Kg	8270D	---	286	1210	---	---	---	---	---	---	---	---	---	---	<0.067	<0.067	---
Carbazole	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.089	<0.088	---
Chrysene	mg/Kg	8270D	0.1442	115	2110	---	---	---	---	---	---	---	---	---	---	0.094	**0.45**	---
Dibenz(a,h)anthracene	mg/Kg	8270D	---	0.115	2	---	---	---	---	---	---	---	---	---	---	<0.0069	0.055	---
Dibenzofuran	mg/Kg	8270D	---	73	1040	---	---	---	---	---	---	---	---	---	---	<0.042	0.11 J	---
Diethyl phthalate	mg/Kg	8270D	---	50,600	100,000	---	---	---	---	---	---	---	---	---	---	<0.060	<0.060	---
Dimethyl phthalate	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.046	<0.046	---
Di-n-butyl phthalate	mg/Kg	8270D	5.0333	6320	82,100	---	---	---	---	---	---	---	---	---	---	<0.054	<0.054	---
Di-n-octyl phthalate	mg/Kg	8270D	0	632	8210	---	---	---	---	---	---	---	---	---	---	<0.058	<0.058	---
Fluoranthene	mg/Kg	8270D	88.8778	2390	30,100	---	---	---	---	---	---	---	---	---	---	0.18	0.84	---
Fluorene	mg/Kg	8270D	14.8299	2390	30,100	---	---	---	---	---	---	---	---	---	---	0.0054 J	<0.0050	---
Hexachlorobenzene	mg/Kg	8270D	0.0252	0.252	1.15	---	---	---	---	---	---	---	---	---	---	<0.0082	<0.0082	---
Hexachlorobutadiene	mg/Kg	8270D	---	1.63	7.19	---	---	---	---	---	---	---	---	---	---	<0.056	<0.056	---
Hexachlorocyclopentadiene	mg/Kg	8270D	---	2.55	10.8	---	---	---	---	---	---	---	---	---	---	<0.20	<0.20	---
Hexachloroethane	mg/Kg	8270D	---	2.52	11.1	---	---	---	---	---	---	---	---	---	---	<0.054	<0.054	---
Indeno[1,2,3-cd]pyrene	mg/Kg	8270D	---	1.15	21.1	---	---	---	---	---	---	---	---	---	---	0.054	0.16	---
Isophorone	mg/Kg	8270D	---	571	2420	---	---	---	---	---	---	---	---	---	---	<0.040	<0.040	---
Naphthalene	mg/Kg	8270D	0.6582	5.52	24.1	---	---	---	---	---	---	---	---	---	---	<0.0055	0.23	---
Nitrobenzene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.0088	<0.0088	---
N-Nitrosodi-n-propylamine	mg/Kg	8270D	---	0.078	0.328	---	---	---	---	---	---	---	---	---	---	<0.043	<0.043	---
N-Nitrosodiphenylamine	mg/Kg	8270D	0.0764	111	469	---	---	---	---	---	---	---	---	---	---	<0.042	<0.042	---
Pentachlorophenol	mg/Kg	8270D	0.0028	1.02	3.97	---	---	---	---	---	---	---	---	---	---	<0.57	<0.57	---
Phenanthrene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	0.078	0.65	---
Phenol	mg/Kg	8270D	2.2946	19,000	100,000	---	---	---	---	---	---	---	---	---	---	<0.079	<0.079	---
Pyrene	mg/Kg	8270D	54.5455	1790	22,600	---	---	---	---	---	---	---	---	---	---	0.15	0.68	---
Polycyclic Aromatic Hydrocarbons (PAHs)																		
1-Methylnaphthalene	mg/Kg	8270D	---	17.6	72.7	---	<0.0091	<0.0092	<0.0092	<0.0091	<0.0093	<0.0090	0.066 J	0.77	0.69	---	---	<0.0087
2-Methylnaphthalene	mg/Kg	8270D	---	239	3010	---	<0.0069	<0.0069	<0.0069	<0.0069	<0.0070	<0.0068	0.074 J	1.1	0.84	---	---	<0.0066
Acenaphthene	mg/Kg	8270D	---	3590	45,200	---	<0.0067	<0.0068	<0.0068	<0.0067	<0.0068	<0.0066	0.1	0.47	0.041	---	---	<0.0064
Acenaphthylene	mg/Kg	8270D	---	---	---	---	<0.0049	<0.0050	<0.0050	<0.0049	<0.0050	<0.0048	0.023 J	0.052	<0.0050	---	---	<0.0047
Anthracene	mg/Kg	8270D	196.9492	17,900	100,000	---	<0.0063	<0.0063	<0.0063	<0.0063	<0.0064	<0.0061	0.19	0.55	0.074	---	---	<0.0060
Benzo[a]anthracene	mg/Kg	8270D	---	1.14	21	---	<0.0050	<0.0051	<0.0051	<0.0050	<0.0051	<0.0049	0.91	0.83	0.3	---	---	0.012 J
Benzo[a]pyrene	mg/Kg	8270D	0.47	0.115	2.11	---	<0.0072	<0.0073	<0.0073	<0.0072	<0.0074	<0.0071	**1.1**	**0.87**	**0.32**	---	---	<0.0069
Benzo[b]fluoranthene	mg/Kg	8270D	0.4781	1.15	21.1	---	<0.0081	<0.0081	<0.0081	0.0090 J	<0.0082	<0.0079	**1.5**	**0.95**	**0.57**	---	---	<0.0077
Benzo[g,h,i]perylene	mg/Kg	8270D	---	---	---	---	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	0.4	0.28	0.13	---	---	<0.012

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Table 1. Soil Quality Test Results
Community Within the Corridor, 2748 N 32nd Street, Milwaukee, Wisconsin

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	Background Threshold Value	B-1	B-2	B-3	B-4	B-5	B-6	B-7	B-8	B-9	B-10	B-11	B-12
Depth (feet)							5.5-7.5	4-6	4-6	4-6	3-5	3-5	3-5	9-11	4-6	3-4	2-3	3.5-5.5
Soil Type							Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY	CLAY	Sandy CLAY	SAND & GRAVEL	Silty CLAY	Sandy CLAY	FILL	FILL	Silty CLAY
Soil Conditions							Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated
Sampling Date							4/10/2020	4/10/2020	4/10/2020	4/10/2020	4/10/2020	4/10/2020	4/10/2020	4/10/2020	4/10/2020	4/23/2020	4/23/2020	4/10/2020
Benzo[k]fluoranthene	mg/Kg	8270D	---	11.5	211	---	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	0.49	0.32	0.14	---	---	<0.011
Chrysene	mg/Kg	8270D	0.1442	115	2110	---	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**1.1**	**0.84**	**0.45**	---	---	<0.0097
Dibenz(a,h)anthracene	mg/Kg	8270D	---	0.115	2	---	<0.0072	<0.0073	<0.0073	<0.0072	<0.0074	<0.0071	**0.13**	0.097	0.053	---	---	<0.0069
Fluoranthene	mg/Kg	8270D	88.8778	2390	30,100	---	<0.0069	<0.0070	<0.0070	<0.0069	<0.0071	<0.0068	2.2	2.2	0.55	---	---	<0.0066
Fluorene	mg/Kg	8270D	14.8299	2390	30,100	---	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0052	0.083	0.48	0.031 J	---	---	<0.0050
Indeno[1,2,3-cd]pyrene	mg/Kg	8270D	---	1.15	21.1	---	<0.0097	<0.0097	<0.0097	<0.0097	<0.0099	<0.0095	0.37	0.27	0.12	---	---	<0.0093
Naphthalene	mg/Kg	8270D	0.6582	5.52	24.1	---	<0.0058	<0.0058	<0.0058	0.0061 J	<0.0059	<0.0057	0.064	**2.1**	**0.67**	---	---	<0.0055
Phenanthrene	mg/Kg	8270D	---	---	---	---	<0.0052	<0.0052	<0.0052	0.0089 J	<0.0053	<0.0051	1.4	2.4	0.67	---	---	<0.0050
Pyrene	mg/Kg	8270D	54.5455	1790	22,600	---	<0.0074	<0.0075	<0.0075	0.0092 J	<0.0076	<0.0073	2.1	1.8	0.5	---	---	0.011 J
Polychlorinated Biphenyls (PCBs)																		
PCB-1016	mg/Kg	8082A	---	4.11	28	---	---	---	---	---	<0.0067	---	---	<0.0063	---	<0.0062	<0.0063	---
PCB-1221	mg/Kg	8082A	---	0	0.883	---	---	---	---	---	<0.0084	---	---	<0.0078	---	<0.0078	<0.0078	---
PCB-1232	mg/Kg	8082A	---	0.19	0.792	---	---	---	---	---	<0.0083	---	---	<0.0078	---	<0.0077	<0.0078	---
PCB-1242	mg/Kg	8082A	---	0.235	0.972	---	---	---	---	---	<0.0062	---	---	<0.0059	---	<0.0058	<0.0058	---
PCB-1248	mg/Kg	8082A	---	0.236	0.975	---	---	---	---	---	<0.0075	---	---	<0.0070	---	<0.0070	<0.0070	---
PCB-1254	mg/Kg	8082A	---	0.239	1	---	---	---	---	---	<0.0041	---	---	0.13	---	<0.0038	0.11	---
PCB-1260	mg/Kg	8082A	---	0.243	1	---	---	---	---	---	<0.0093	---	---	<0.0088	---	<0.0087	<0087	---
Metals																		
Arsenic	mg/Kg	6010B	0.584	0.677	3	8.3	5	7.7	4.6	3.5	5.2	4.4	5.8	6.2	**18**	1.8	**16**	7.9
Barium	mg/Kg	6010B	164.8	15,300	100,000	364	42 V	50	29	32	39	36	69	34	53	15	42	23
Cadmium	mg/Kg	6010B	0.752	71.1	985	1	0.19 B	0.40 B	0.28 B	0.23 B	0.25 B	0.26 B	0.41 B	0.38 B	<0.21	0.22 B	0.82 B	0.57 B
Chromium	mg/Kg	6010B	360,000*	---	---	44	15	18	13	12	15	15	17	15	35	5.5	14	12
Lead	mg/Kg	6010B	27	400	800	51.6	9.3	22	12	8.2	9.7	9	**140**	22	**56**	6.9	**53**	9.5
Mercury	mg/Kg	7471A	0.208	3.13	3.13	---	0.019	0.018	0.015 J	0.012 J	0.013 J	0.011 J	0.066	0.091	0.07	<0.0058	0.05	0.0078 J
Selenium	mg/Kg	6010B	0.52	391	5840	---	<0.57	<0.64	<0.60	<0.60	<0.59	<0.58	<0.65	<0.58	<0.67	<0.54	<0.56	<0.56
Silver	mg/Kg	6010B	0.8491	391	5840	---	0.27 J	0.24 J	0.23 J	0.19 J	0.24 J	0.23 J	0.28 J	0.18 J	0.72	<0.12	0.22 J	0.21 J
Oranochlorine Pesticides																		
4,4'-DDD	mg/Kg	8081A	---	1.9	9.57	---	---	---	---	---	---	---	---	---	---	<0.00035	<0.00036	---
4,4'-DDE	mg/Kg	8081A	---	2	9.38	---	---	---	---	---	---	---	---	---	---	0.0013 J	0.003	---
4,4'-DDT	mg/Kg	8081A	---	1.89	8.53	---	---	---	---	---	---	---	---	---	---	<0.00093	<0.00094	---
Aldrin	mg/Kg	8081A		0.04	0.187	---	---	---	---	---	---	---	---	---	---	<0.00073	<0.00074	---
alpha-BHC	mg/Kg	8081A	---	0.086	0.365	---	---	---	---	---	---	---	---	---	---	<0.00045	<0.00045	---
cis-Chlordane	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0012 J	<0.00090	---
beta-BHC	mg/Kg	8081A	---	0.301	1.28	---	---	---	---	---	---	---	---	---	---	<0.00055	0.023	---
delta-BHC	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.00056	<0.00056	---
Dieldrin	mg/Kg	8081A		0.034	0.144	---	---	---	---	---	---	---	---	---	---	<0.00024	0.0036	---
Endosulfan I	mg/Kg	8081A	---	469	7010	---	---	---	---	---	---	---	---	---	---	<0.00077	<0.00078	---
Endosulfan II	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.00029	<0.00029	---
Endosulfan sulfate	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.00032	<0.00033	---
Endrin	mg/Kg	8081A	0.1616	19	246	---	---	---	---	---	---	---	---	---	---	<0.00024	<0.00025	---
Endrin aldehyde	mg/Kg	8081A	0.1616	19	246	---	---	---	---	---	---	---	---	---	---	<0.00030	<0.00030	---
Endrin ketone	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.00040	<0.00040	---
gamma-BHC (Lindane)	mg/Kg	8081A	0.0023	0.568	2.54	---	---	---	---	---	---	---	---	---	---	<0.00038	<0.00039	---
trans-Chlordane	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---	---	0.00096 J	<0.00047	---
Heptachlor	mg/Kg	8081A	0.0662	0.14	0.654	---	---	---	---	---	---	---	---	---	---	<0.00074	<0.00075	---
Heptachlor epoxide	mg/Kg	8081A	0.082	0.072	0.338	---	---	---	---	---	---	---	---	---	---	<0.00063	<0.00063	---
Methoxychlor	mg/Kg	8081A	4.32	316	4100	---	---	---	---	---	---	---	---	---	---	<0.00034	<0.00035	---
Toxaphene	mg/Kg	8081A	0.928	0.493	2.09	---	---	---	---	---	---	---	---	---	---	<0.0075	<0.0075	---
Herbicides																		
2,4,5-T	mg/Kg	8151A	---	632	8210	---	---	---	---	---	---	---	---	---	---	<0.085	<0.086	---
2,4-D	mg/Kg	8151A	0.0362	699	9640	---	---	---	---	---	---	---	---	---	---	<0.099	<0.10	---
2,4-DB	mg/Kg	8151A	---	1900	24,600	---	---	---	---	---	---	---	---	---	---	<0.10	<0.10	---
Dicamba	mg/Kg	8151A	0.1553	1900	24,600	---	---	---	---	---	---	---	---	---	---	<0.073	<0.073	---
Dichlorprop	mg/Kg	8151A	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.095	<0.096	---
Silvex (2,4,5-TP)	mg/Kg	8151A	0.055	506	6,570	---	---	---	---	---	---	---	---	---	---	<0.090	<0.090	---

(1) From WDNR RCLs Worksheet dated December 2018

BOLD = Exceeds RCL or Background Threshold Value

--- = Not analyzed / No established standard

* = Laboratory Control Sample and/or Laboratory Control Sample Duplicate is outside acceptance limits

V = Serial solution exceeds control limits

F1 = Matrix Spike and/or Matrix Spike Duplicate recovery exceeds control limits

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

B = Compound was found in the blank and sample

** = Combined established standard of 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene; and 3 & 4 Methylphenol

Table 2. Groundwater Analytical Test Results
Community Within the Corridor, 2748 N 32nd Street, Milwaukee, Wisconsin

Sample	Units	Method	*NR 141.10 PAL - Preventative Action Limit (1)*	**NR 140.10 ES - Enforcement Standard (1)**	**TW-3**	**TB**
Screened Interval (feet bgs)					10-20	---
Sample Time					18:00	---
Sampling Date					4/10/2020	4/10/2020
Volatile Organic Compounds (VOCs)						
1,1,1,2-Tetrachloroethane	ug/L	8260B	7	70	<23	<0.46
1,1,1-Trichloroethane	ug/L	8260B	40	200	<19	<0.38
1,1,2,2-Tetrachloroethane	ug/L	8260B	0.02	0.2	<20	<0.40
1,1,2-Trichloroethane	ug/L	8260B	0.5	5	<18	<0.35
1,1-Dichloroethane	ug/L	8260B	85	850	*120*	<0.41
1,1-Dichloroethene	ug/L	8260B	0.7	7	<20	<0.39
1,1-Dichloropropene	ug/L	8260B	---	---	<15	<0.30
1,2,3-Trichlorobenzene	ug/L	8260B	---	---	<23	<0.46
1,2,3-Trichloropropane	ug/L	8260B	12	60	<21	<0.41
1,2,4-Trichlorobenzene	ug/L	8260B	14	70	<17	<0.34
1,2,4-Trimethylbenzene**	ug/L	8260B	96	480	**6800**	<0.36
1,2-Dibromo-3-Chloropropane	ug/L	8260B	0.02	0.2	<100 *	<2.0
1,2-Dibromoethane	ug/L	8260B	0.005	0.05	<19	<0.39
1,2-Dichlorobenzene	ug/L	8260B	60	600	<17	<0.33
1,2-Dichloroethane	ug/L	8260B	0.5	5	<20	<0.39
1,2-Dichloropropane	ug/L	8260B	0.5	5	<21	<0.43
1,3,5-Trimethylbenzene**	ug/L	8260B	96	480	**2700**	<0.25
1,3-Dichlorobenzene	ug/L	8260B	60	600	<20	<0.40
1,3-Dichloropropane	ug/L	8260B	---	---	<18	<0.36
1,4-Dichlorobenzene	ug/L	8260B	15	75	<18	<0.36
2,2-Dichloropropane	ug/L	8260B	---	---	<22	<0.44
2-Chlorotoluene	ug/L	8260B	---	---	<16	<0.31
4-Chlorotoluene	ug/L	8260B	---	---	<17	<0.35
Benzene	ug/L	8260B	0.5	5	**170**	<0.15
Bromobenzene	ug/L	8260B	---	---	<18	<0.36
Bromochloromethane	ug/L	8260B	---	---	<21	<0.43
Bromodichloromethane	ug/L	8260B	0.06	0.6	<19	<0.37
Bromoform	ug/L	8260B	0.44	4.4	<24	<0.48
Bromomethane	ug/L	8260B	1	10	<40	<0.80
Carbon tetrachloride	ug/L	8260B	0.5	5	<19	<0.38
Chlorobenzene	ug/L	8260B	---	---	<19	<0.39
Chloroethane	ug/L	8260B	80	400	35 J	<0.51
Chloroform	ug/L	8260B	0.6	6	<19	<0.37
Chloromethane	ug/L	8260B	3	30	<16	<0.32
cis-1,2-Dichloroethene	ug/L	8260B	7	70	**200**	<0.41
cis-1,3-Dichloropropene	ug/L	8260B	0.04	0.4	<21	<0.42
Dibromochloromethane	ug/L	8260B	6	60	<24	<0.49
Dibromomethane	ug/L	8260B	---	---	<14	<0.27
Dichlorodifluoromethane	ug/L	8260B	200	1000	<34	<0.67
Ethylbenzene	ug/L	8260B	140	700	**1500**	<0.18
Hexachlorobutadiene	ug/L	8260B	0.1	1	<22	<0.45
Isopropyl ether	ug/L	8260B	---	---	<14	<0.28
Isopropylbenzene	ug/L	8260B	---	---	410	<0.39
Methyl tert-butyl ether	ug/L	8260B	12	60	<20	<0.39
Methylene Chloride	ug/L	8260B	0.5	5	<82	<1.6
Naphthalene	ug/L	8260B	10	100	**680 B**	<0.34
n-Butylbenzene	ug/L	8260B	---	---	1800	<0.39
N-Propylbenzene	ug/L	8260B	---	---	850	<0.41
p-Isopropyltoluene	ug/L	8260B	---	---	970	<0.36
sec-Butylbenzene	ug/L	8260B	---	---	730	<0.40
Styrene	ug/L	8260B	10	100	<19	<0.39
tert-Butylbenzene	ug/L	8260B	---	---	77	<0.40
Tetrachloroethene	ug/L	8260B	0.5	5	<19	<0.37
Toluene	ug/L	8260B	160	800	80	<0.15
trans-1,2-Dichloroethene	ug/L	8260B	20	100	<17	<0.35
trans-1,3-Dichloropropene	ug/L	8260B	0.04	0.4	<18	<0.36
Trichloroethene	ug/L	8260B	0.5	5	<8.2	<0.16
Trichlorofluoromethane	ug/L	8260B	---	---	<21	<0.43
Vinyl chloride	ug/L	8260B	0.02	0.2	<10	<0.20
Xylenes, Total	ug/L	8260B	800	4,000	*3500*	<0.22

Table 2. Groundwater Analytical Test Results
Community Within the Corridor, 2748 N 32nd Street, Milwaukee, Wisconsin

Sample	Units	Method	*NR 141.10 PAL - Preventative Action Limit (1)*	**NR 140.10 ES - Enforcement Standard (1)**	**TW-3**	**TB**
Screened Interval (feet bgs)					10-20	---
Sample Time					18:00	---
Sampling Date					4/10/2020	4/10/2020
Semivolatile Organic Compounds (SVOCs)						
1-Methylnaphthalene	ug/L	8270D	---	---	2900 J	---
2-Methylnaphthalene	ug/L	8270D	---	---	4400	---
Acenaphthene	ug/L	8270D	---	---	<490	---
Acenaphthylene	ug/L	8270D	---	---	<420	---
Anthracene	ug/L	8270D	600	3000	<530	---
Benzo[a]anthracene	ug/L	8270D	---	---	<89	---
Benzo[a]pyrene	ug/L	8270D	0.02	0.2	<160	---
Benzo[b]fluoranthene	ug/L	8270D	0.02	0.2	<130	---
Benzo[g,h,i]perylene	ug/L	8270D	---	---	<590	---
Benzo[k]fluoranthene	ug/L	8270D	---	---	<100	---
Chrysene	ug/L	8270D	0.02	0.2	<110	---
Dibenz(a,h)anthracene	ug/L	8270D	---	---	<80	---
Fluoranthene	ug/L	8270D	80	400	<720	---
Fluorene	ug/L	8270D	80	400	<390	---
Indeno[1,2,3-cd]pyrene	ug/L	8270D	---	---	<120	---
Naphthalene	ug/L	8270D	10	100	**13000**	---
Phenanthrene	ug/L	8270D	---	---	1100 J	---
Pyrene	ug/L	8270D	50	250	<670	---
Dissolved RCRA Metals						
Arsenic	ug/L	6020A	1	10	**420**	---
Barium	ug/L	6020A	400	2000	*1300*	---
Cadmium	ug/L	6020A	0.5	5	**16**	---
Chromium	ug/L	6020A	10	100	**610**	---
Lead	ug/L	6020A	1.5	15	**1800**	---
Mercury	ug/L	7470A	0.2	2	*1*	---
Selenium	ug/L	6020A	10	50	<49	---
Silver	ug/L	6020A	10	50	1.9 J	---

(1) From 2019 WDNR Ch. NR 140, Wis. Adm. Code public health groundwater quality standards

Italics = Exceeds NR 140 Preventative Action Limit (PAL)

BOLD = Exceeds NR 140 Enforcement Standard (ES)

--- = Not analyzed / No established standard

* = Laboratory Control Sample and/or Laboratory Control Sample Duplicate is outside acceptance limits

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

B = Compound was found in the blank and sample

** The combined total of 1,2,4 and 1,3,5-TMB

TABLE 3
SUBSLAB VAPOR QUALITY TEST RESULTS
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	SS-10	SS-11	SS-12	SS-13
	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
	RESIDENTIAL	LARGE COMMERCIAL / INDUSTRIAL	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	12/4/2020	12/4/2020	12/16/2020	12/4/2020
			ug/m^3	ug/m^3	ug/m^3	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*	2,200,000	< 2.7	88	< 4.98	35	63	NS	< 49.8	225	7.1 J	11.6	0.6 J	157	< 2.49	22.3	< 0.249
1,1,2,2-Tetrachloroethane	*1.6*	21	< 2.5	< 16	< 6.5	< 3.25	< 3.25	NS	< 65	< 3.25	< 3.25	< 0.325	< 0.325	< 3.25	< 3.25	< 0.325	< 0.325
1,1,2-Trichloroethane	*0.7*	8.8	< 0.98	< 6.3	< 5.16	< 2.58	< 2.58	NS	< 51.6	< 2.58	< 2.58	< 0.258	< 0.258	< 2.58	< 2.58	< 0.258	< 0.258
1,1-Dichloroethane	*600*	7,700	7.1 J	*5500*	*1510*	*610*	480	NS	14700	222	< 1.87	0.84	2.48	*890*	*1220*	0.68	0.88
1,1-Dichloroethene	*7,000*	88,000	< 0.79	8.7 J	< 4.2	< 2.1	< 2.1	NS	< 42	< 2.1	< 2.1	< 0.21	< 0.21	4.8 J	< 2.1	< 0.21	< 0.21
1,2,4-Trichlorobenzene	*700*	8,800	< 12	< 76	< 13.14	< 6.57	< 6.57	NS	< 131.4	< 6.57	< 6.57	< 0.657	< 0.657	< 6.57	< 6.57	< 0.657	< 0.657
1,2,4-Trimethylbenzene	*210*	2,600	< 2.5	*290*	< 5.66	4000 10	17.2	NS	4400	7.8 J	3.4 J	0.93	1.52	30.9	2.94 J	0.74 J	2.4
1,2-Dichlorobenzene	*700*	8,800	< 4.6	< 29	< 4.7	< 2.35	< 2.35	NS	< 47	< 2.35	< 2.35	< 0.235	< 0.235	< 2.35	< 2.35	< 0.235	< 0.235
1,2-Dichloroethane	*36*	470	< 1	< 6.5	< 4.8	< 2.4	< 2.4	NS	< 48	< 2.4	< 2.4	< 0.24	< 0.24	< 2.4	< 2.4	< 0.24	< 0.24
1,2-Dichloropropane	*14*	180	< 1.2	< 7.4	< 5.6	< 2.8	< 2.8	NS	< 56	< 2.8	< 2.8	< 0.28	< 0.28	< 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	< 4.46	< 4.46	< 0.446	< 0.446
1,3,5-Trimethylbenzene	*210*	2,600	< 2.7	190	< 4.64	*940*	*760*	NS	*1280*	< 2.32	< 2.32	0.294 J	0.39 J	203	< 2.32	< 0.232	0.69 J
1,3-Butadiene	---	---	NA	NA	< 2.86	< 1.43	< 1.43	NS	< 28.6	< 1.43	< 1.43	< 0.143	< 0.143	< 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	< 3.02	< 3.02	< 0.302	< 0.302
1,4-Dichlorobenzene	*8*	110	2.8 J	< 15	< 6.04	< 3.02	6 J	NS	< 60.4	7.2 J	7.2 J	< 0.302	3.4	< 3.02	7.2 J	1.02	2.88
1,4-Dioxane	*18*	250	< 2.7	< 17	< 3.14	< 1.57	< 1.57	NS	< 31.4	< 1.57	< 1.57	< 0.157	< 0.157	< 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	< 2.22	< 2.22	< 0.222	0.74
4-Ethyltoluene		---	NA	NA	< 4.28	2050	< 2.14	NS	2890	< 2.14	< 2.14	0.49 J	0.294 J	37	< 2.14	< 0.214	0.49 J
Acetone	*106,667*	1,400,000	160	350 J	28.5	< 2.99	43	NS	1970	8.6 J	23.8	69	27	45	5.9 J	NA	57
Acrolein		---	NA	NA	< 1.88	< 0.94	< 0.94	NS	< 18.8	< 0.94	< 0.94	< 0.094	< 0.094	< 0.94	< 0.94	< 0.094	< 0.094
Benzene	*120*	1,600	5 J	42	19.2	*256*	< 1.36	NS	9300	< 1.36	< 1.36	1.72	0.192 J	5.7	< 1.36	< 0.136	1.56
Benzyl Chloride	*1.9*	25	< 4.9	< 31	< 4.18	< 2.09	< 2.09	NS	62 J	< 2.09	< 2.09	< 0.209	< 0.209	< 2.09	< 2.09	< 0.209	< 0.209
Bromodichloromethane	*2.53*	33	< 2.9	< 19	< 7.48	< 3.74	< 3.74	NS	< 74.8	< 3.74	< 3.74	< 0.374	< 0.374	< 3.74	< 3.74	< 0.374	< 0.374
Bromoform	*86.6*	1,100	< 2.3	< 15	< 8.28	< 4.14	< 4.14	NS	< 82.8	< 4.14	< 4.14	< 0.414	< 0.414	< 4.14	< 4.14	< 0.414	< 0.414
Bromomethane	*17.3*	220	< 2.2	< 14	< 4	< 2	< 2	NS	< 40	< 2	< 2	< 0.2	< 0.2	< 2	< 2	< 0.2	< 0.2
Carbon Disulfide	*2,433*	31,000	5.4 J	< 5.6	< 2.76	< 1.38	< 1.38	NS	2360	< 1.38	< 1.38	9.9	2.58	6.8	< 1.38	0.84	114
Carbon Tetrachloride	*156*	2,000	< 1.1	< 7.2	< 6.14	< 3.07	< 3.07	NS	< 61.4	< 3.07	< 3.07	< 0.307	< 0.307	< 3.07	< 3.07	< 0.307	< 0.307
Chlorobenzene	*173*	2,200	< 0.74	< 4.7	< 5.02	< 2.51	< 2.51	NS	< 50.2	< 2.51	< 2.51	< 0.251	< 0.251	< 2.51	< 2.51	< 0.251	< 0.251
Chloroethane	*33,333*	440,000	< 1.9	< 12	125	8.2	< 1.59	NS	1180	< 1.59	< 1.59	< 0.159	< 0.159	< 1.59	< 1.59	< 0.159	< 0.159
Chloroform	*3,100*	39,000	< 0.78	25 J	< 6	< 3	< 3	NS	< 60	< 3	< 3	0.49 J	< 0.3	< 3	< 3	0.68 J	< 0.3
Chloromethane	*3,100*	39,000	< 3.4	< 22	< 16.62	< 8.31	< 8.31	NS	< 166.2	< 8.31	< 8.31	< 0.831	< 0.831	< 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	34	< 1.97	< 0.197	< 0.197
cis-1,3-Dichloropropene	---	---	< 1.8	< 11	< 4.68	< 2.34	< 2.34	NS	< 46.8	< 2.34	< 2.34	< 0.234	< 0.234	< 2.34	< 2.34	< 0.234	< 0.234
Cyclohexane	*3,333*	44,000	5.1 J	61 J	185	330	< 2.12	NS	*27500*	< 2.12	< 2.12	0.45 J	< 0.212	4.8 J	< 2.12	< 0.212	< 0.212
Dibromochloromethane	---	---	< 1.4	< 9.3	< 7.52	< 3.76	< 3.76	NS	< 75.2	< 3.76	< 3.76	< 0.376	< 0.376	< 3.76	< 3.76	< 0.376	< 0.376
Dichlorodifluoromethane	*3,300*	44,000	4.4 J	< 11	< 5.26	2.97 J	4.9 J	NS	168	< 2.63	< 2.63	2.27	2.57	< 2.63	< 2.63	2.37	2.42
EDB (1,2-Dibromoethane)	*0.157*	2	< 1.3	< 8.4	< 6.84	< 3.42	< 3.42	NS	< 68.4	< 3.42	< 3.42	< 0.342	< 0.342	< 3.42	< 3.42	< 0.342	< 0.342
Ethanol	---	---	NA	NA	54	35	77	NS	1180	13.8	470	1.62	16.8	< 1.52	< 1.52	NA	108 10
Ethyl Acetate	---	---	NA	NA	< 3.52	< 1.76	< 1.76	NS	< 35.2	< 1.76	< 1.76	< 0.176	1.12	< 1.76	< 1.76	< 0.176	< 0.176
Ethylbenzene	*370*	4,900	2.1 J	46 J	< 4.06	*1000*	< 2.03	NS	*4800*	< 2.03	< 2.03	1.82	0.43 J	13	< 2.03	0.217 J	1.3
Heptane	---	---	NA	NA	8.2 J	500	< 2.65	NS	22700	< 2.65	< 2.65	26.1	1.02	8.6	< 2.65	0.74 J	1.43
Hexachlorobutadiene	*4.3*	56	< 8.5	< 55	< 9.78	< 4.89	< 4.89	NS	< 97.8	< 4.89	< 4.89	< 0.489	< 0.489	< 4.89	< 4.89	< 0.489	< 0.489
Hexane	*1,400*	18,000	11 J	660	350	*1770*	< 2.35	NS	174000	< 2.35	< 2.35	11.1	< 0.235	21.5	< 2.35	1.2	7.9
Isopropyl Alcohol	---	---	< 6.9	< 44	9.3	5.2	9.1	NS	128	2.46 J	12.3	0.91	1.89	2.95 J	2.46 J	0.61	3.4
m&p-Xylene	*333*	4,400	< 3.2	47 J	< 7.54	*970*	< 3.77	NS	3900	< 3.77	< 3.77	3.3	1.26	18.2	< 3.77	0.65 J	2.43
Methyl ethyl ketone (MEK)	*17,333*	220,000	22 J	< 35	< 3.56	< 1.78	< 1.78	NS	320	< 1.78	6.8	11.8	3.7 J	14.4	< 1.78	< 0.178	7.7
Methyl isobutyl ketone (MIBK)	*10,333*	130,000	< 5.5	< 35	< 3.36	< 1.68	< 1.68	NS	< 33.6	< 1.68	< 1.68	8.3	0.41	6.1	< 1.68	< 0.168	0.49 J
Methyl Methacrylate	---	---	NA	NA	< 4.34	< 2.17	< 2.17	NS	< 43.4	< 2.17	< 2.17	< 0.217	< 0.217	< 2.17	< 2.17	< 0.217	< 0.217
Methyl tert-butyl ether (MTBE)	*3,700*	47,000	< 4.7	< 30	< 3.2	< 1.6	< 1.6	NS	< 32	< 1.6	< 1.6	< 0.16	< 0.16	< 1.6	< 1.6	< 0.16	< 0.16
Methylene chloride	*21,000*	260,000	< 13	< 81	< 3.18	< 1.59	< 1.59	NS	< 31.8	< 1.59	< 1.59	15.1	< 0.159	< 1.59	< 1.59	< 0.159	48

TABLE 3
SUBSLAB VAPOR QUALITY TEST RESULTS
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	SS-10	SS-11	SS-12	SS-13
	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
	RESIDENTIAL	LARGE COMMERCIAL / INDUSTRIAL	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	12/4/2020	12/4/2020	12/16/2020	12/4/2020
			ug/m^3	ug/m^3	ug/m^3	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*	360	< 10	< 64	< 13.5	< 6.75	< 6.75	NS	< 135	< 6.75	< 6.75	5.4	< 0.675	< 6.75	< 6.75	< 0.675	< 0.675
o-Xylene	*3,300*	44,000	1.7 J	38 J	< 4.36	71	< 2.18	NS	530	< 2.18	< 2.18	1.78	0.61 J	71	< 2.18	0.303 J	1.21
Propene	---	---	NA	NA	27.5	25	< 0.79	NS	1590	< 0.79	< 0.79	8.5	1.39	17.9	< 0.79	< 0.079	5.6
Styrene	*3,333*	44,000	< 2.6	< 16	< 3.62	< 1.81	< 1.81	NS	< 36.2	< 1.81	< 1.81	0.38 J	0.72	< 1.81	< 1.81	< 0.181	1.23

TABLE 3
SUBSLAB VAPOR QUALITY TEST RESULTS
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	SS-10	SS-11	SS-12	SS-13
	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
	RESIDENTIAL	LARGE COMMERCIAL / INDUSTRIAL	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	12/4/2020	12/4/2020	12/16/2020	12/4/2020
			ug/m^3	ug/m^3	ug/m^3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Tetrachloroethene	*1,400*	18,000	< 1.2	100	< 5.56	14.3	15.6	NS	1340	4.1 J	8.1 J	13.4	3.4	14.9	< 2.78	8.8	0.95
Tetrahydrofuran	*7,000*	88,000	< 4.3	< 27	< 2.62	< 1.31	< 1.31	NS	< 26.2	< 1.31	< 1.31	1.36	< 0.131	< 1.31	< 1.31	< 0.131	0.85
Toluene	*170,000*	2,200,000	9	76	< 3.68	22.6	4.9 J	NS	530	4.5 J	3.8 J	3.2	4.3	9	4.5 J	6	9.3
trans-1,2-Dichloroethene	---	---	< 0.63	< 4.1	19.8	31.3	9.1	NS	1870	41	< 2.31	< 0.231	0.32	< 2.31	< 2.31	< 0.231	< 0.231
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	< 1.98	< 1.98	< 0.198	< 0.198
Trichloroethene (TCE)	*70*	880	15	310	< 4.74	61	*190*	NS	*161*	*141*	*93*	8	1.66	*70*	17.1	15.6	5.9
Trichlorofluoromethane	---	---	2.2 J	< 6.5	< 6.74	< 3.37	< 3.37	NS	< 67.4	< 3.37	< 3.37	1.24	1.4	< 3.37	< 3.37	1.18	1.35
Trichlorotrifluoroethane	---	---	NA	NA	208	380	330	NS	380	44	< 4.02	3.6	0.54	340	10 J	0.84 J	0.54 J
Vinyl acetate	*700*	8,800	< 2.5	< 16	< 4.06	< 2.03	< 2.03	NS	< 40.6	< 2.03	< 2.03	< 0.203	< 0.203	< 2.03	< 2.03	< 0.203	< 0.203
Vinyl Chloride	*57*	2,800	< 1.7	16 J	< 2.96	5.1	< 1.48	NS	*830*	< 1.48	< 1.48	< 0.148	< 0.148	< 1.48	< 1.48	< 0.148	< 0.148

Comments

All results in micrograms per cubic meter (ug/m^3)

"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 Duplcicates 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 3
SUBSLAB VAPOR QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP - MILWAUKEE, WI

CHEMICAL (ug/m^3)	SUB-SLAB VAPOR VRSL		SS-14	SS-15	SS-16	SS-17	SS-18	SS-19	SS-20	SS-21	SS-22	SS-23	SS-24	SS-25	SS-26	SS-27	SS-28
	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
	RESIDENTIAL	LARGE COMMERCIAL / INDUSTRIAL	12/16/2020	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	12/3/2020	12/3/2020	12/3/2020
			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
1,1,1-Trichloroethane	*170,000*	2,200,000	20.9	25	34	360	150	57	210	20.9	9.7	17.7	1.2	31.3	59	26.7	7.7
1,1,2,2-Tetrachloroethane	*1.6*	21	< 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	< 0.325	< 0.325
1,1,2-Trichloroethane	*0.7*	8.8	< 0.258	< 2.58	< 2.58	< 0.258	< 0.258	< 0.258	*2.61*	< 0.258	< 0.258	< 0.258	< 0.258	*2.12*	< 0.258	< 0.258	< 0.258
1,1-Dichloroethane	*600*	7,700	*1740*	400	3.2 J	0.76	2.28	1.76	50	< 0.187	< 0.187	< 0.187	0.96	2.72	< 0.187	0.2 J	< 0.187
1,1-Dichloroethene	*7,000*	88,000	28.6	< 2.1	< 2.1	< 0.21	< 0.21	< 0.21	0.67	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
1,2,4-Trichlorobenzene	*700*	8,800	< 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	< 0.657	< 0.657
1,2,4-Trimethylbenzene	*210*	2,600	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	1.52	8	1.62
1,2-Dichlorobenzene	*700*	8,800	< 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	< 0.235	< 0.235
1,2-Dichloroethane	*36*	470	< 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	< 0.24	< 0.24
1,2-Dichloropropane	*14*	180	< 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	< 0.28	< 0.28
1,2-Dichlorotetrafluoroethane	---	---	< 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	< 0.446	< 0.446
1,3,5-Trimethylbenzene	*210*	2,600	< 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	0.44 J	1.77	0.49 J
1,3-Butadiene	---	---	< 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	< 0.143	< 0.143
1,3-Dichlorobenzene	---	---	< 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	< 0.302	< 0.302
1,4-Dichlorobenzene	*8*	110	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	6.9	7.2	5
1,4-Dioxane	*18*	250	< 0.157	< 1.57	< 1.57	< 0.157	< 0.157	1.19	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157
2-Hexanone	---	---	< 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	0.65 J	0.49 J	1.06
4-Ethyltoluene		---	< 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	0.294 J	1.28	< 0.214
Acetone	*106,667*	1,400,000	NA	11.2	4.8 J	36	15.4	NA	11	39	15	20.4	NA	NA	17.9	22	143
Acrolein		---	< 0.094	< 0.94	< 0.94	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094
Benzene	*120*	1,600	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	1.28	0.57	0.61
Benzyl Chloride	*1.9*	25	< 0.209	< 2.09	< 2.09	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209
Bromodichloromethane	*2.53*	33	< 0.374	< 3.74	< 3.74	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374
Bromoform	*86.6*	1,100	< 0.414	< 4.14	< 4.14	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414
Bromomethane	*17.3*	220	< 0.2	< 2	< 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
Carbon Disulfide	*2,433*	31,000	1.03	5	< 1.38	5.3	0.96	< 0.138	1	1.06	1.56	0.81	0.187 J	0.218 J	0.96	0.68	13.8
Carbon Tetrachloride	*156*	2,000	< 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	0.5 J	0.44 J	< 0.307
Chlorobenzene	*173*	2,200	< 0.251	< 2.51	< 2.51	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251
Chloroethane	*33,333*	440,000	< 0.159	< 1.59	< 1.59	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	0.66
Chloroform	*3,100*	39,000	1.12	< 3	< 3	< 0.3	5.9	< 0.3	78	0.34 J	< 0.3	< 0.3	< 0.3	33	10.8	4.2	0.78 J
Chloromethane	*3,100*	39,000	< 0.831	< 8.31	< 8.31	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	2.39 J
cis-1,2-Dichloroethene	---	---	135	38	< 1.97	< 0.197	11.8	< 0.197	39	< 0.197	< 0.197	< 0.197	< 0.197	25.2	< 0.197	< 0.197	< 0.197
cis-1,3-Dichloropropene	---	---	< 0.234	< 2.34	< 2.34	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234
Cyclohexane	*3,333*	44,000	< 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	< 0.212	< 0.212	< 0.212
Dibromochloromethane	---	---	< 0.376	< 3.76	< 3.76	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376
Dichlorodifluoromethane	*3,300*	44,000	2.62	< 2.63	< 2.63	2.47	2.42	2.67	2.13	2.03	1.98	2.42	3.4	2.87	3.2	2.67	2.32
EDB (1,2-Dibromoethane)	*0.157*	2	< 0.342	< 3.42	< 3.42	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342
Ethanol	---	---	NA	22.2	10.7	54	29.3	NA	21.3	67	69	122	NA	NA	56	138	102
Ethyl Acetate	---	---	< 0.176	< 1.76	< 1.76	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176
Ethylbenzene	*370*	4,900	< 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	0.65	2.08	0.56 J
Heptane	---	---	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	1.55	0.94	2
Hexachlorobutadiene	*4.3*	56	< 0.489	< 4.89	< 4.89	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489
Hexane	*1,400*	18,000	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	1.83	1.06	1.27
Isopropyl Alcohol	---	---	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	2.78	2.09	7.2
m&p-Xylene	*333*	4,400	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	1.6	5.9	1.56
Methyl ethyl ketone (MEK)	*17,333*	220,000	1.24	< 1.78	< 1.78	4	1.5	1.33	0.94	4.3	1.95	3.6	< 0.178	2.27	2.27	5.2	18.6
Methyl isobutyl ketone (MIBK)	*10,333*	130,000	0.94	< 1.68	< 1.68	0.37 J	0.286 J	< 0.168	< 0.168	0.86	0.41 J	0.65	< 0.168	0.205 J	0.82	0.74	1.1
Methyl Methacrylate	---	---	< 0.217	< 2.17	< 2.17	< 0.217	< 0.217	< 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*	47,000	< 0.16	< 1.6	< 1.6	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Methylene chloride	*21,000*	260,000	25.4	< 1.59	< 1.59	< 0.159	< 0.159	19.1	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159

TABLE 3
SUBSLAB VAPOR QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP - MILWAUKEE, WI

	SUB-SLAB VAPOR VRSL		SS-14	SS-15	SS-16	SS-17	SS-18	SS-19	SS-20	SS-21	SS-22	SS-23	SS-24	SS-25	SS-26	SS-27	SS-28
	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
		LARGE COMMERCIAL / INDUSTRIAL	12/16/2020	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	12/3/2020	12/3/2020	12/3/2020
CHEMICAL (ug/m^3)	*RESIDENTIAL*		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*	360	< 0.675	< 6.75	< 6.75	< 0.675	< 0.675	< 0.675	< 0.675	0.84 J	< 0.675	0.94 J	< 0.675	< 0.675	< 0.675	0.89 J	< 0.675
o-Xylene	*3,300*	44,000	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	0.74	2.34	0.78
Propene	---	---	< 0.079	< 0.79	< 0.79	7.4	0.57	< 0.079	1.17	0.5	6.8	0.38	< 0.079	< 0.079	1.07	0.52	6
Styrene	*3,333*	44,000	< 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	1.06	3.4	0.77

TABLE 3
SUBSLAB VAPOR QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP - MILWAUKEE, WI

CHEMICAL (ug/m^3)	SUB-SLAB VAPOR VRSL		SS-14	SS-15	SS-16	SS-17	SS-18	SS-19	SS-20	SS-21	SS-22	SS-23	SS-24	SS-25	SS-26	SS-27	SS-28
	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
	RESIDENTIAL	LARGE COMMERCIAL / INDUSTRIAL	12/16/2020	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	12/3/2020	12/3/2020	12/3/2020
			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
Tetrachloroethene	*1,400*	18,000	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	23.4	23.8	4.1
Tetrahydrofuran	*7,000*	88,000	< 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	< 0.131	< 0.131
Toluene	*170,000*	2,200,000	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	5.3	4.5	5.3
trans-1,2-Dichloroethene	---	---	258	15.1	< 2.31	< 0.231	5.5	< 0.231	9.8	< 0.231	< 0.231	< 0.231	< 0.231	7.3	0.238 J	< 0.231	< 0.231
trans-1,3-Dichloropropene	---	---	< 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	< 0.198	< 0.198
Trichloroethene (TCE)	*70*	880	15.1	6.4 J	*246*	16.8	1730	25.3	63000	31.4	51	*360*	1.07	85000	6000	3700	*250*
Trichlorofluoromethane	---	---	1.4	< 3.37	< 3.37	1.74	2.53	3.5	1.4	1.35	1.69	1.52	1.69	1.69	1.35	1.46	1.74
Trichlorotrifluoroethane	---	---	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	0.54 J	0.61 J	0.54 J
Vinyl acetate	*700*	8,800	< 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	< 0.203	< 0.203
Vinyl Chloride	*57*	2,800	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	< 0.148	< 0.148

Comments

All results in micrograms per cubic meter (ug/m^3)

"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 Duplcicates Outside Acceptable l

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 3
SUBSLAB VAPOR QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP - MILWAUKEE, WI

CHEMICAL (ug/m^3)	SUB-SLAB VAPOR VRSL		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	SS-42	SS-43
	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
	RESIDENTIAL	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	12/16/2020	12/3/2020	12/16/2020	NS	12/16/2020	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
1,1,1-Trichloroethane	*170,000*	2,200,000	6.6	2.61	1.09	29	8.2	9.6	2.83	4.3	3.3	7.9	< 498	NS	234	62	32
1,1,2,2-Tetrachloroethane	*1.6*	21	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 650	NS	< 32.5	< 0.325	< 0.325
1,1,2-Trichloroethane	*0.7*	8.8	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 516	NS	< 25.8	< 0.258	< 0.258
1,1-Dichloroethane	*600*	7,700	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	*960 J*	NS	540	28.5	390
1,1-Dichloroethene	*7,000*	88,000	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 420	NS	< 21	< 0.21	< 0.21
1,2,4-Trichlorobenzene	*700*	8,800	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 1314	NS	< 65.7	< 0.657	< 0.657
1,2,4-Trimethylbenzene	*210*	2,600	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	1.13	< 0.283
1,2-Dichlorobenzene	*700*	8,800	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 470	NS	< 23.5	< 0.235	< 0.235
1,2-Dichloroethane	*36*	470	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 480	NS	< 24	< 0.24	< 0.24
1,2-Dichloropropane	*14*	180	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 560	NS	< 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	< 892	NS	< 44.6	< 0.446	< 0.446
1,3,5-Trimethylbenzene	*210*	2,600	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	0.245 J	< 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	< 286	NS	< 14.3	< 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	< 604	NS	< 30.2	< 0.302	< 0.302
1,4-Dichlorobenzene	*8*	110	6.3	3.8	2.4	6.7	6.6	*9.8*	4.4	5	1.08	3.2	< 604	NS	< 30.2	1.2	< 0.302
1,4-Dioxane	*18*	250	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 314	NS	< 15.7	< 0.157	< 0.157
2-Hexanone	---	---	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	< 0.222	39
4-Ethyltoluene		---	< 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	0.39 J	< 0.214
Acetone	*106,667*	1,400,000	18.6	18.9	63	9.6	12.1	15.6	45	21.4	NA	17.4	NA	NS	NA	NA	NA
Acrolein		---	< 0.094	< 0.094	< 0.094	< 0.094	0.275	< 0.094	2.7	0.138 J	< 0.094	0.64	< 188	NS	229	< 0.094	< 0.094
Benzene	*120*	1,600	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*	0.224 J	*208*
Benzyl Chloride	*1.9*	25	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 418	NS	< 20.9	< 0.209	< 0.209
Bromodichloromethane	*2.53*	33	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 748	NS	< 37.4	< 0.374	< 0.374
Bromoform	*86.6*	1,100	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 828	NS	< 41.4	< 0.414	< 0.414
Bromomethane	*17.3*	220	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 400	NS	< 20	< 0.2	< 0.2
Carbon Disulfide	*2,433*	31,000	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	1.28	1.03
Carbon Tetrachloride	*156*	2,000	< 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	< 0.307	< 0.307
Chlorobenzene	*173*	2,200	< 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	< 0.251	< 0.251
Chloroethane	*33,333*	440,000	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	1790	NS	69	< 0.159	9.9
Chloroform	*3,100*	39,000	< 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	0.92 J	1.51
Chloromethane	*3,100*	39,000	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	< 1662	NS	< 83.1	< 0.831	< 0.831
cis-1,2-Dichloroethene	---	---	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 394	NS	1860	21.5	9.4
cis-1,3-Dichloropropene	---	---	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 468	NS	< 23.4	< 0.234	< 0.234
Cyclohexane	*3,333*	44,000	< 0.212	< 0.212	< 0.212	< 0.212	< 0.212	< 0.212	0.31 J	< 0.212	< 0.212	< 0.212	*16400*	NS	460	< 0.212	320
Dibromochloromethane	---	---	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 752	NS	< 37.6	< 0.376	< 0.376
Dichlorodifluoromethane	*3,300*	44,000	2.37	2.67	1.19	2.18	2.27	2.22	2.42	2.52	2.92	2.57	< 526	NS	< 26.3	2.67	3.02
EDB (1,2-Dibromoethane)	*0.157*	2	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 684	NS	< 34.2	< 0.342	< 0.342
Ethanol	---	---	42	0.9	1.11	37	34	19.7	41	56	NA	18.4	NA	NS	NA	NA	NA
Ethyl Acetate	---	---	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 352	NS	< 17.6	< 0.176	< 0.176
Ethylbenzene	*370*	4,900	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	0.52 J	15
Heptane	---	---	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	1.02	31.2
Hexachlorobutadiene	*4.3*	56	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 978	NS	< 48.9	< 0.489	< 0.489
Hexane	*1,400*	18,000	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*	0.7 J	2380
Isopropyl Alcohol	---	---	2.43	0.66	0.39	1.35	1.47	1.15	1.45	2.87	1.45	1.08	4100	NS	61	1.5	1.3
m&p-Xylene	*333*	4,400	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	1.13 J	0.65 J
Methyl ethyl ketone (MEK)	*17,333*	220,000	3.6	1.89	11.2	1.71	1.71	2.51	4.5	2.15	1.47	2.15	< 356	NS	289	< 0.178	< 0.178
Methyl isobutyl ketone (MIBK)	*10,333*	130,000	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	< 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	< 434	NS	< 21.7	< 0.217	< 0.217
Methyl tert-butyl ether (MTBE)	*3,700*	47,000	< 0.16	0.18 J	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 320	NS	< 16	< 0.16	< 0.16
Methylene chloride	*21,000*	260,000	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 318	NS	< 15.9	< 0.159	< 0.159

TABLE 3
SUBSLAB VAPOR QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP - MILWAUKEE, WI

	SUB-SLAB VAPOR VRSL		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	SS-42	SS-43
	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
		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	12/16/2020	12/3/2020	12/16/2020	NS	12/16/2020	12/16/2020	12/16/2020
CHEMICAL (ug/m^3)	*RESIDENTIAL*		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*	360	< 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	< 0.675	< 0.675
o-Xylene	*3,300*	44,000	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	0.52 J	0.91
Propene	---	---	0.43	6.1	3.8	2.67	2.53	3.6	3.2	3.8	< 0.079	3.3	< 158	NS	< 7.9	< 0.079	< 0.079
Styrene	*3,333*	44,000	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	0.298 J	< 0.181

TABLE 3
SUBSLAB VAPOR QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP - MILWAUKEE, WI

CHEMICAL (ug/m^3)	SUB-SLAB VAPOR VRSL		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	SS-42	SS-43
	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
	RESIDENTIAL	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	12/16/2020	12/3/2020	12/16/2020	NS	12/16/2020	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
Tetrachloroethene	*1,400*	18,000	< 0.278	9.4	0.88 J	< 0.278	98	640	5.3	9.2	21.2	3.05	< 556	NS	285	1.7	0.48 J
Tetrahydrofuran	*7,000*	88,000	< 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	< 0.131	< 0.131
Toluene	*170,000*	2,200,000	4.9	7.3	2.86	3.5	4.4	1.2	3.9	3.2	8.2	9.1	830 J	NS	87	9.5	< 0.184
trans-1,2-Dichloroethene	---	---	< 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	3.6	5.9
trans-1,3-Dichloropropene	---	---	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 396	NS	< 19.8	< 0.198	< 0.198
Trichloroethene (TCE)	*70*	880	6.5	6.3	3.6	54	*570*	*253*	2620	1010	*117*	*112*	< 474	NS	1400	*150*	*144*
Trichlorofluoromethane	---	---	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	1.18	1.69
Trichlorotrifluoroethane	---	---	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	8.4	1.15 J
Vinyl acetate	*700*	8,800	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 406	NS	< 20.3	< 0.203	< 0.203
Vinyl Chloride	*57*	2,800	< 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	< 0.148	1.84

Comments

All results in micrograms per cubic meter (ug/m^3)

"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 Duplcicates Outside Acceptable l

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 3
SUBSLAB VAPOR QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP - MILWAUKEE, WI

CHEMICAL (ug/m^3)	SUB-SLAB VAPOR VRSL		SS-44	SS-45	SS-46	SS-47	SS-48	SS-49	SS-50	SS-51
	AF = 0.03	AF = 0.01	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT
		LARGE COMMERCIAL /	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	INDUSTRIAL	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
1,1,1-Trichloroethane	*170,000*	2,200,000	84	8.4	1.69	0.92	36	6.4	0.76 J	1040
1,1,2,2-Tetrachloroethane	*1.6*	21	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325
1,1,2-Trichloroethane	*0.7*	8.8	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258
1,1-Dichloroethane	*600*	7,700	32	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187
1,1-Dichloroethene	*7,000*	88,000	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
1,2,4-Trichlorobenzene	*700*	8,800	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657
1,2,4-Trimethylbenzene	*210*	2,600	< 0.283	1.08	0.78 J	0.74 J	1.03	0.78	1.03	0.74 J
1,2-Dichlorobenzene	*700*	8,800	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235
1,2-Dichloroethane	*36*	470	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,2-Dichloropropane	*14*	180	< 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
1,3,5-Trimethylbenzene	*210*	2,600	< 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
1,3-Dichlorobenzene	---	---	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302
1,4-Dichlorobenzene	*8*	110	1.44	*8.5*	1.14	1.08	7.9	2.22	1.32	1.26
1,4-Dioxane	*18*	250	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157
2-Hexanone	---	---	< 0.222	< 0.222	< 0.222	< 0.222	0.33 J	0.37	< 0.222	< 0.222
4-Ethyltoluene		---	< 0.214	< 0.214	0.294 J	0.34 J	< 0.214	< 0.214	0.39 J	0.294 J
Acetone	*106,667*	1,400,000	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
Benzene	*120*	1,600	0.192 J	1.18	< 0.136	0.16 J	< 0.136	0.45	0.224 J	0.7
Benzyl Chloride	*1.9*	25	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209
Bromodichloromethane	*2.53*	33	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374
Bromoform	*86.6*	1,100	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414
Bromomethane	*17.3*	220	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Carbon Disulfide	*2,433*	31,000	< 0.138	2.46	0.218 J	0.187 J	0.37 J	0.47	< 0.138	0.56
Carbon Tetrachloride	*156*	2,000	< 0.307	0.38 J	< 0.307	0.315 J	0.315 J	0.38 J	0.38 J	< 0.307
Chlorobenzene	*173*	2,200	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251
Chloroethane	*33,333*	440,000	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159
Chloroform	*3,100*	39,000	0.88 J	< 0.3	< 0.3	< 0.3	0.63 J	< 0.3	< 0.3	3.4
Chloromethane	*3,100*	39,000	< 0.831	0.89 J	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831
cis-1,2-Dichloroethene	---	---	< 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
Cyclohexane	*3,333*	44,000	< 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
Dichlorodifluoromethane	*3,300*	44,000	2.52	2.42	3.3	3.07	2.42	2.37	3.11	1.88
EDB (1,2-Dibromoethane)	*0.157*	2	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342
Ethanol	---	---	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
Ethylbenzene	*370*	4,900	0.52 J	< 0.203	0.35 J	0.48 J	0.217 J	0.56 J	0.43 J	0.43 J
Heptane	---	---	1.43	< 0.265	0.98	1.02	< 0.265	2.62	1.23	1.43
Hexachlorobutadiene	*4.3*	56	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489
Hexane	*1,400*	18,000	0.81	< 0.235	0.78	0.74 J	0.42 J	0.6 J	0.6 J	1.09
Isopropyl Alcohol	---	---	0.74	1.99	1.11	0.93	5.5	1.38	2.31	2.73
m&p-Xylene	*333*	4,400	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*	220,000	< 0.178	5.4	< 0.178	< 0.178	1.36	1.59	< 0.178	2.27
Methyl isobutyl ketone (MIBK)	*10,333*	130,000	< 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
Methyl tert-butyl ether (MTBE)	*3,700*	47,000	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Methylene chloride	*21,000*	260,000	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159

KSingh Engineers Scientists Consultants

TABLE 3
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COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP - MILWAUKEE, WI

CHEMICAL (ug/m^3)	SUB-SLAB VAPOR VRSL		SS-44	SS-45	SS-46	SS-47	SS-48	SS-49	SS-50	SS-51
	AF = 0.03	AF = 0.01	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT
	RESIDENTIAL	LARGE COMMERCIAL / INDUSTRIAL	12/16/2020	12/3/2020	12/16/2020	12/16/2020	12/3/2020	12/4/2020	12/16/2020	12/16/2020
			ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Naphthalene	*28*	360	< 0.675	0.78 J	< 0.675	< 0.675	1.05 J	< 0.675	< 0.675	< 0.675
o-Xylene	*3,300*	44,000	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	3.2	< 0.079	< 0.079	2.65	1.7	< 0.079	< 0.079
Styrene	*3,333*	44,000	0.34 J	0.38 J	0.34 J	0.34 J	5	1.15	0.34 J	0.255 J

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CHEMICAL (ug/m^3)	SUB-SLAB VAPOR VRSL		SS-44	SS-45	SS-46	SS-47	SS-48	SS-49	SS-50	SS-51
	AF = 0.03	AF = 0.01	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT
		LARGE COMMERCIAL / INDUSTRIAL	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		ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Tetrachloroethene	*1,400*	18,000	1.09	3.2	5.9	0.41 J	33	2.1	1.9	6.4
Tetrahydrofuran	*7,000*	88,000	< 0.131	< 0.131	< 0.131	< 0.131	< 0.131	< 0.131	< 0.131	< 0.131
Toluene	*170,000*	2,200,000	10.1	1.43	9.6	10.9	0.83	11.1	13.4	8.2
trans-1,2-Dichloroethene	---	---	< 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
Trichloroethene (TCE)	*70*	880	13.7	*148*	2.04	3.6	52	*170*	1.82	*870*
Trichlorofluoromethane	---	---	1.01 J	1.57	1.46	1.8	1.4	1.46	2.47	1.24
Trichlorotrifluoroethane	---	---	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*	8,800	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203
Vinyl Chloride	*57*	2,800	< 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/m^3)

"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 Duplcicates Outside Acceptable l

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

APPENDICES

APPENDIX A

Conceptual Site Plans

1 BED
2 BED
3 BED
4 BED

60 PARKING SPACES

NOT IN SCOPE

RAMP UP

LOADING DOCK

NOT IN SCOPE

N 32ND STREET

RAMP DN

NOT IN SCOPE

W CENTER STREET

SITE PLAN - EAST BLOCK

SCALE: 1" = 50'-0"

ROERS COMPANIES

continuum ARCHITECTS + PLANNERS

COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK

CAP PROJECT NO: 200102 | 04/26/20