

LETTER OF TRANSMITTAL

DATE

August 31, 2023

TO

Ms. Jennifer Meyer

Wisconsin Department of Natural Resources Southeast Region – Milwaukee Service Center

1027 West St. Paul Avenue Milwaukee, WI 53233

FROM

Sameer Neve, Ph.D., ENV SP | Staff Environmental Engineer

SUBJECT

Third Round of Commissioning Plan for CWC-West Block

Proposed 3rd Round of Commissioning Plan for Buildings 4 and 5 Community Within the Corridor Limited Partnership (CWC) – West Block

3212 W. Center St., 2727 N. 32nd St., and 2758 N. 33rd St., Milwaukee, WI 53210

SEP 0 5 2023

BRRTS #: 02-41-587376, FID #: 341333190

COPY TO

40443A -> Outbox -> 20230830 - 3rd Round of Commissioning - Bldg 4 & 5 Plan

We are:

As Requested

Copies	Date	Description	
1	08/31/2023	Third Round of Commissioning Plan for CWC-West Block (submitted electronically)	
1	08/31/2023	\$700 check for Technical Assistance Fee	

Transmitted For Your:

☐ Information/Records	⊠ Review	
☐ Action	☐ Revision/Resubmittal	□ Distribution

Remarks:

Should you have any questions regarding this submittal or require any additional information, please feel free to contact me via email at sneve@ksinghengineering.com or telephone at (262) 821-1171, ext. 104.



August 31, 2023

Ms. Jennifer Meyer Remediation and Redevelopment Program Wisconsin Department of Natural Resources 1027 West St. Paul Avenue Milwaukee, WI 53233 **Project # 40443A**

Subject: Proposed 3rd Round of Commissioning Plan for Buildings 4 and 5

Community Within the Corridor Limited Partnership (CWC) – West Block

3212 W. Center St., 2727 N. 32nd St., and 2758 N. 33rd St., Milwaukee, WI 53210

BRRTS #: 02-41-587376, FID #: 341333190

Dear Ms. Meyer:

On behalf of the Community Within the Corridor Limited Partnership (CWC), K. Singh & Associates, Inc. (KSingh) proposes a 3rd Round of Vapor Mitigation Commissioning plan for buildings 4 and 5 of the west block property. KSingh requests that the WDNR review this response and grant approval to proceed with commissioning of the vapor mitigation system. A Technical Assistance Fee in the amount of \$700 is attached with this letter.

Project Background

The Community Within the Corridor Limited Partnership has redeveloped 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. The subject property is owned by Community within the Corridor Limited Partnership (BRRTS #02-41-587376), is located at 3212 W. Center Street, 2727 N. 32nd Street, and 2758 N. 33rd Street, City of Milwaukee, Milwaukee County, Wisconsin. The three parcels total approximately 2.83 acres and are all zoned as IM – Industrial Mixed (1 and 2). The subject property is covered by one- to three-story buildings. Historically, the West Block of the facility served various industrial purposes for over 100 years (since 1920).

The results of the 1st Round of Commissioning for the West Block conducted in January/February 2023 during cool season showed that the system was operating as intended. The 2nd Round of Commissioning for the West Block included vapor sampling in buildings 4 and 5 in July 2023 to determine the adequacy of the vapor system with the results of the commissioning shared with WDNR in August 2023. These results demonstrated that the indoor air quality met the Vapor Action Levels (VALs) and the sub-slab vapor readings met the Vapor Risk Screening Levels (VRSLs). The presence of vacuum more than 0.004 inches of H₂O indicated sufficient depressurization and effectiveness of the active Vapor Mitigation System (VMS). The exhaust from the blowers demonstrated active removal of Trichloroethene (TCE) from the sub-slab soil vapors.

Proposed Third Round of Commissioning

In order to verify the performance of the Vapor Mitigation System, a third round of commissioning is proposed with the following goals:

- Demonstrate a sub-slab depressurization of at least 0.004 inches water under the entire ground floor slab where vapors exceeding VRSLs were determined to be present. Seventeen vapor pins (SVP-17 to SVP-33) have been installed throughout Buildings 4 and 5 to assess the presence of vacuum. The locations of the vapor pins can be found in Attachment A.
- Demonstrate that there are no indoor air exceedances of VALs. The indoor air would be tested by taking 18 air samples and testing them using the Portable Gas Chromatograph (GC). Additionally, 10 Passive samples will also be installed in areas to validate the analysis of the GC. Locations of the passive samplers (Red Dots) and GC Samples (Blue Dots) can be found in Attachment B.
- Demonstrate that there are no sub-slab vapor exceedances of VRSLs by taking vapor samples from the 17 vapor pins that are installed and testing the sub-slab samples with the portable GC.
- Demonstrate that the blower fans continue to exhaust the TCE. The locations of the blowers can be found in Attachment C. Exhaust samples will be tested with the portable GC. Anemometer readings will be taken to document the rate of exhaust.

Tentative Schedule:

- August 31, 2023 Submittal of Plan to WDNR
- September 30, 2023 Tentative Review Period
- October 4, 2023 –Indoor Air GC Measurements, Passive Sampler Installation
- October 6, 2023 Sub-slab TCE Measurements, Vacuum Measurements
- October 11, 2023 Exhaust Fan Samples, Passive Sampler Retrieval, and shipping for analysis

Robert I Reinehe

Robert T. Reineke, P.E.

Project Manager

- October 20, 2023 Results of Passive Samplers
- October 31, 2023 3rd Round Commissioning Report Submission to WDNR
- November 2023 Occupancy of Buildings 4 and 5 (pending commissioning results)

Please contact us if you have any questions or seek clarification regarding this information.

Sincerely,

K. SINGH & ASSOCIATES, INC.

Sameer Neve, Ph.D. ENV SP Staff Environmental Engineer

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

Principal Engineer

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



Attachments:

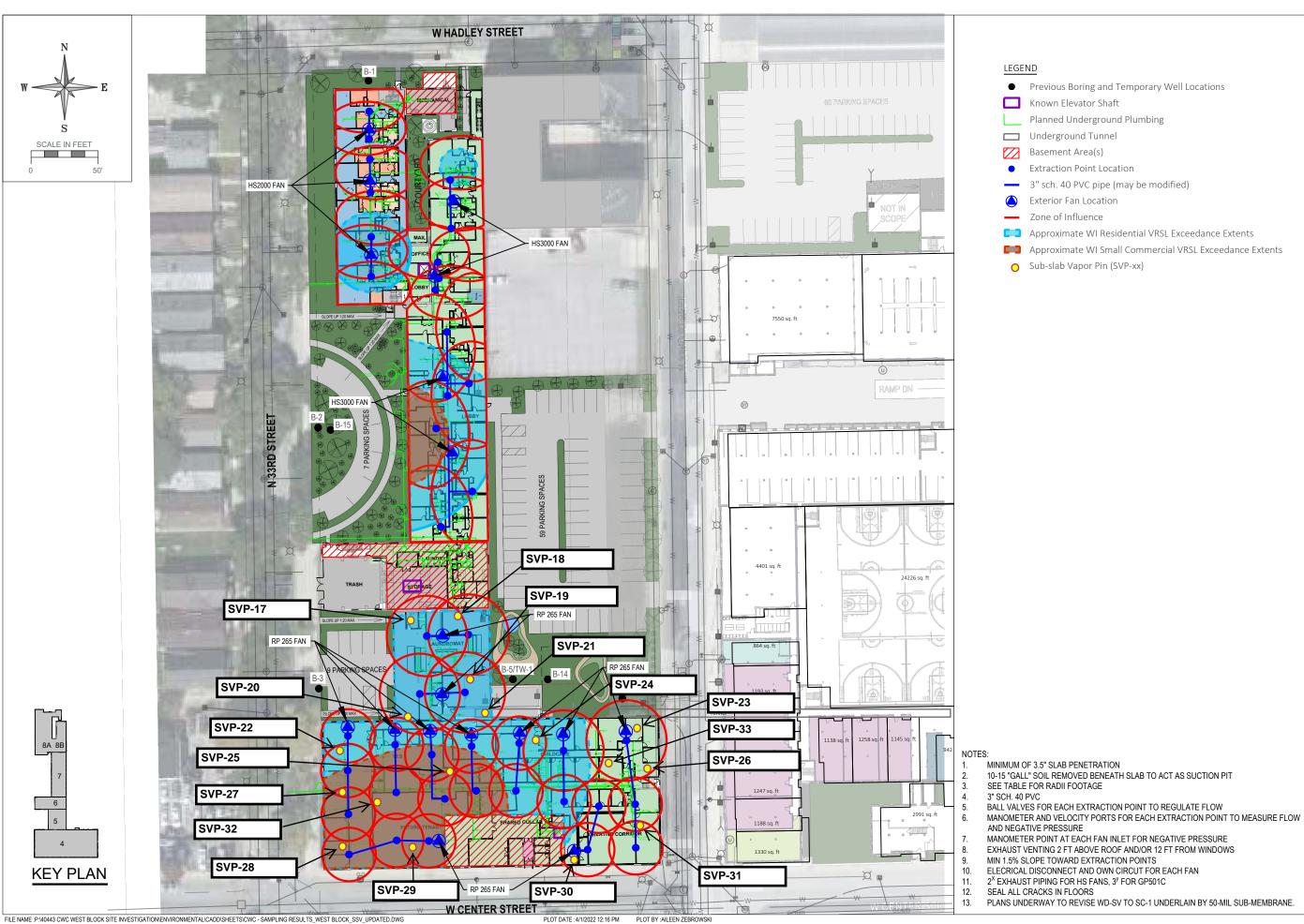
Attachment A – Location of Vapor Pins

Attachment B – Location of Passive samplers and GC samples Attachment C – Location of Exhaust Fans



Attachment A Location of Vapor Pins







Previous Boring and Temporary Well Locations

Known Elevator Shaft

Planned Underground Plumbing

Underground Tunnel

Basement Area(s)

Extraction Point Location

3" sch. 40 PVC pipe (may be modified)

Exterior Fan Location

Zone of Influence

Approximate WI Residential VRSL Exceedance Extents

Approximate WI Small Commercial VRSL Exceedance Extents

Sub-slab Vapor Pin (SVP-xx)

3636 North 124th Street Wauwatosa, WI 53222 262-821-1171

CONSULTANT

SITE INVESTIGATION REPORT
3212 W. CENTER ST., 2727 N. 32ND ST., 2758 N. 33RD ST.
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI 53210
PROJECT NUMBER: 40443

COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP

CLIENT:

PROJECT

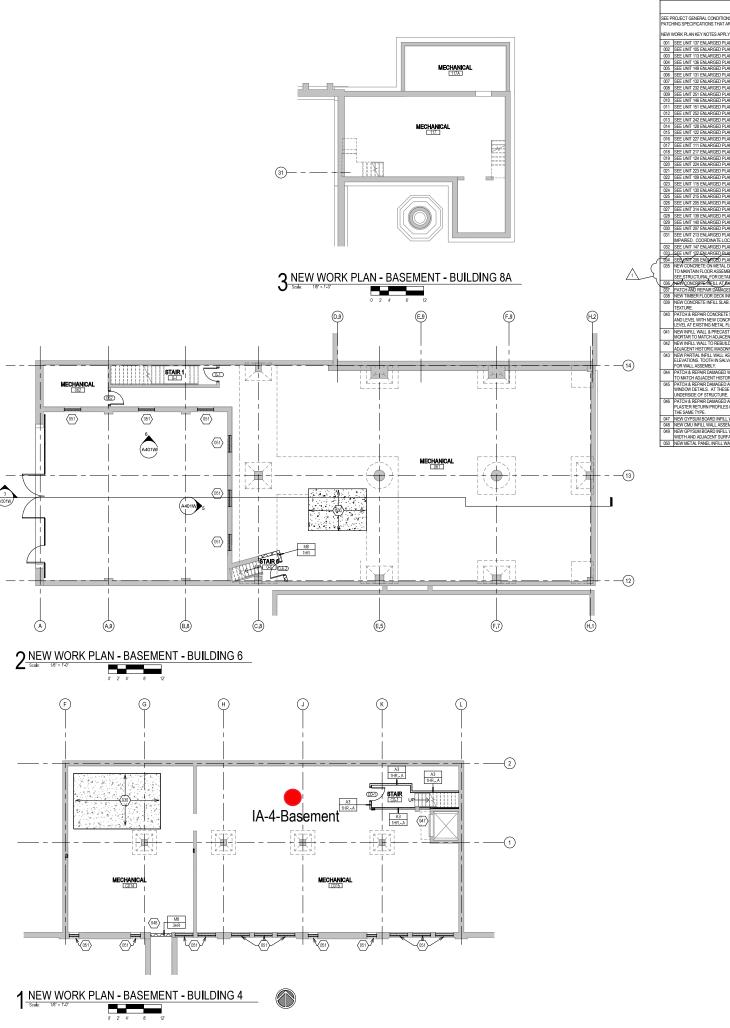
Sub-slab Depressurization Location and Results (in inches H₂O)

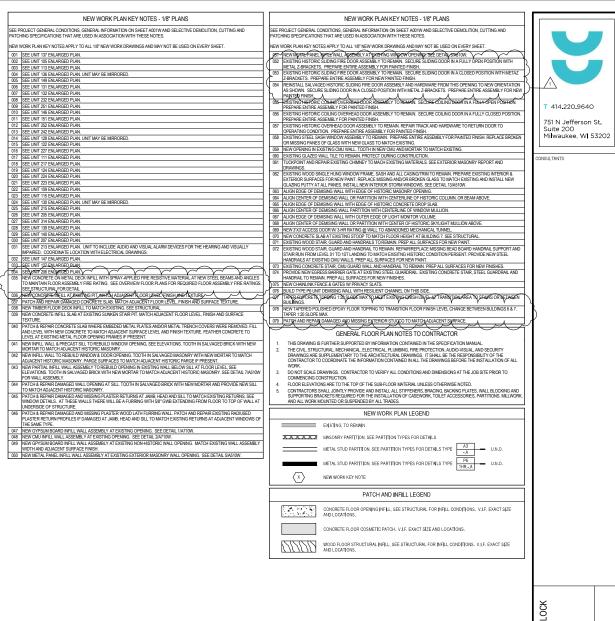
FIGURE 1

PLOT DATE :4/1/2022 12:16 PM PLOT BY :AILEEN ZEBROWSKI

Attachment B Location of Passive samplers and GC samples







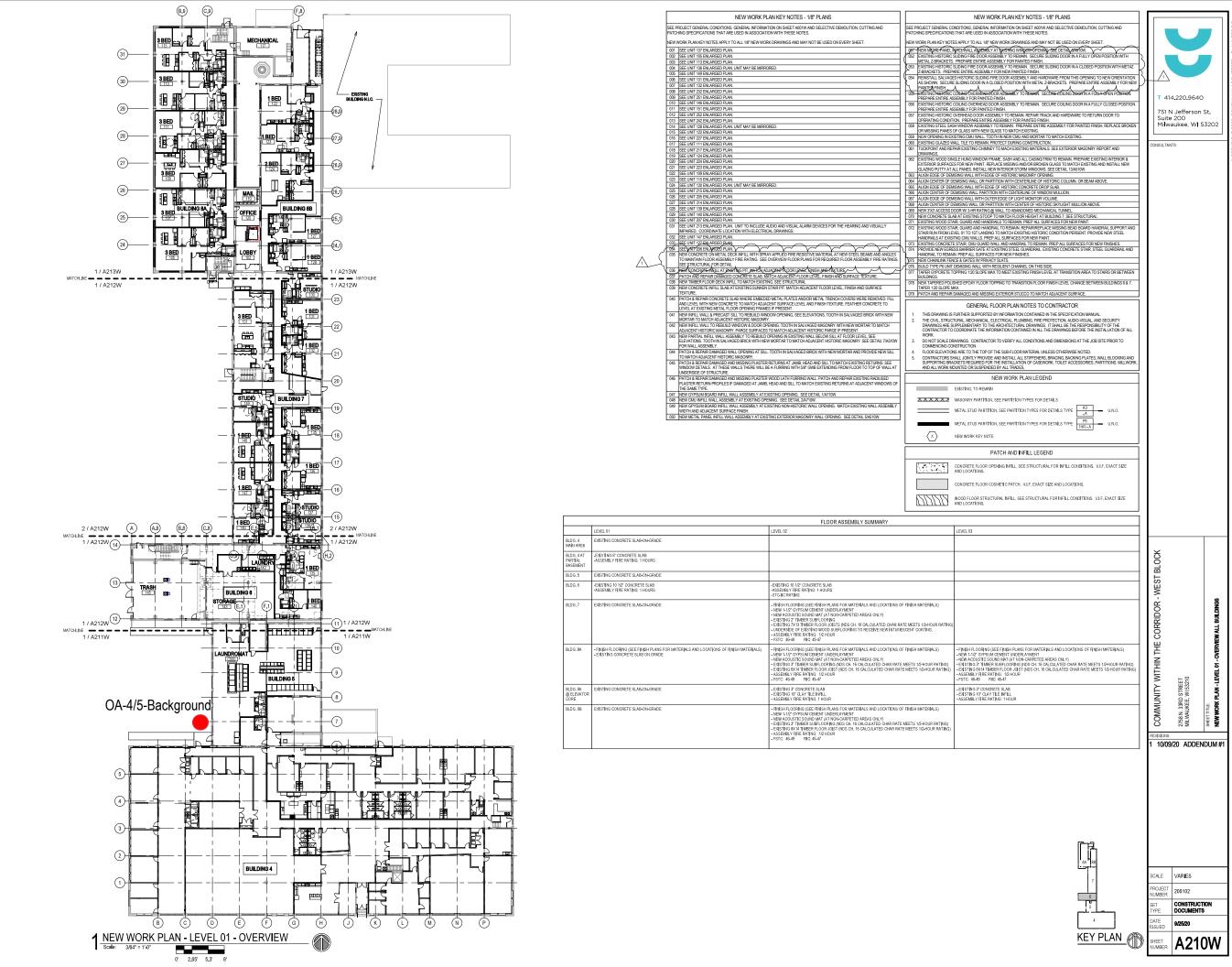
2758 N. 33RD STREET MILWAUKEE, WI 53210

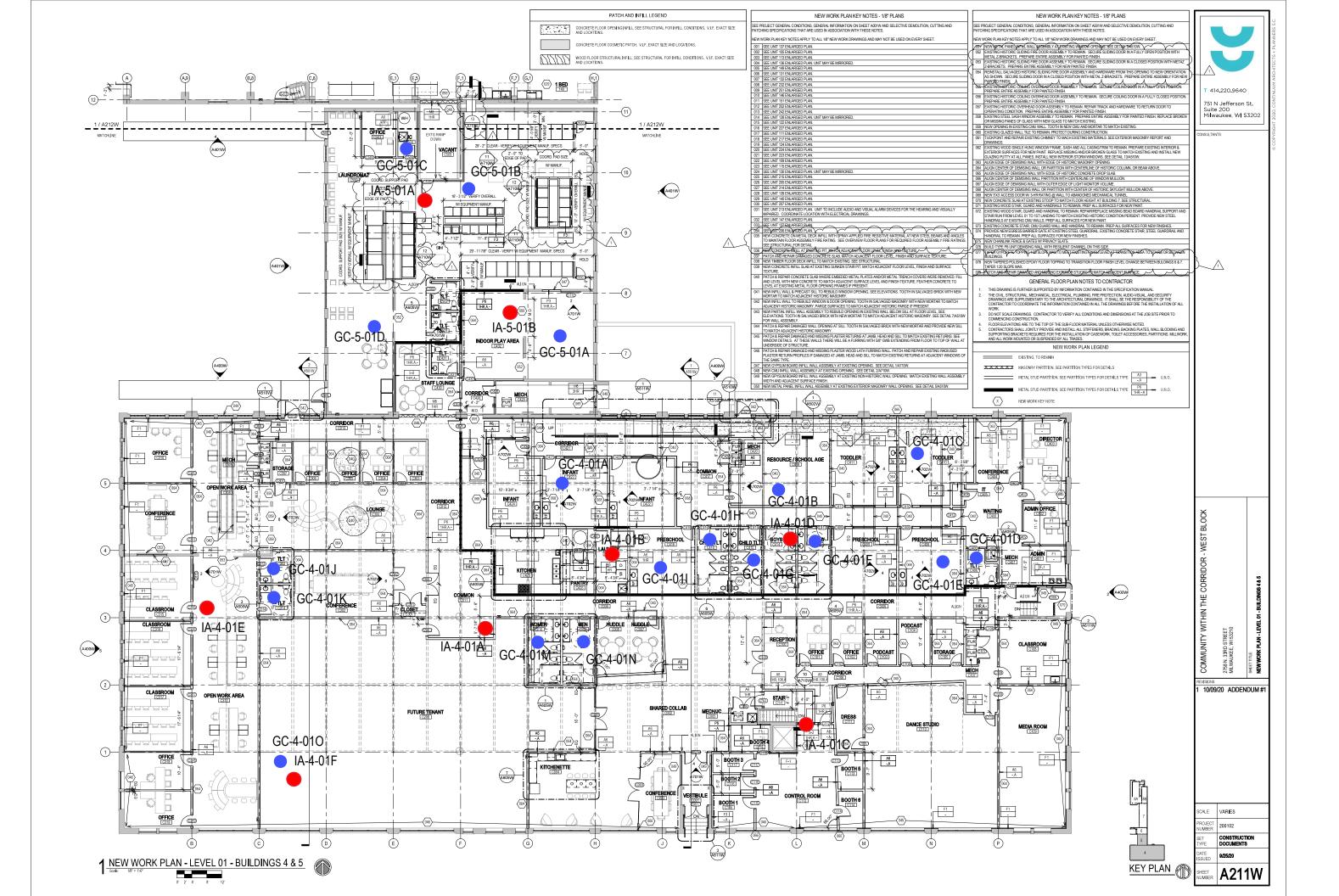
414.220.9640

10/09/20 ADDENDUM#1

KEY PLAN

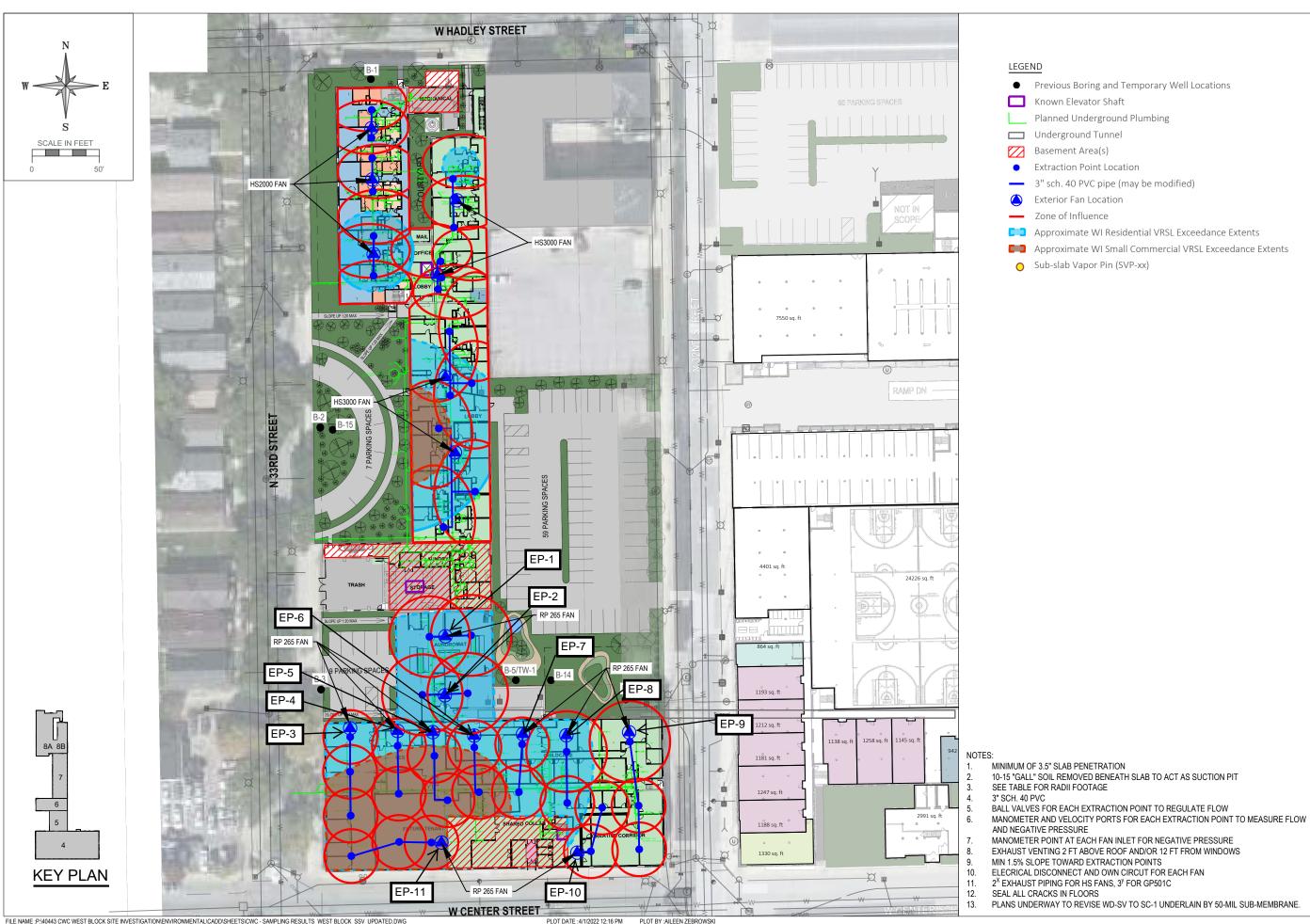
200102 CONSTRUCTION DOCUMENTS 9/25/20 A201W





Attachment C Location of Exhaust Fans





LEGEND

- Previous Boring and Temporary Well Locations
- Known Elevator Shaft

Planned Underground Plumbing

Underground Tunnel

Basement Area(s)

Extraction Point Location

3" sch. 40 PVC pipe (may be modified)

Exterior Fan Location

Zone of Influence

Approximate WI Residential VRSL Exceedance Extents

Approximate WI Small Commercial VRSL Exceedance Extents

Sub-slab Vapor Pin (SVP-xx)

3636 North 124th Street Wauwatosa, WI 53222 262-821-1171

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CLIENT:

SHEET TITLE Exhaust Fan Locations

06/02/2022

FIGURE 2

PLOT DATE :4/1/2022 12:16 PM

FILE NAME :P:\40443 CWC WEST BLOCK SITE INVESTIGATION\ENVIRONMENTAL\CADD\SHEETS\CWC - SAMPLING RESULTS_WEST BLOCK_SSV_UPDATED.DWG