

Pfeiffer, Jane K - DNR

From: Sameer Neve <sneve@ksinghengineering.com>
Sent: Friday, July 28, 2023 9:44 AM
To: Pfeiffer, Jane K - DNR
Cc: Shane LaFave; que@scott-crawford.com; Pratap Singh; Robert Reineke
Subject: Transmittal of Results for Fifth Round of Commissioning - CWC West Block
Attachments: 20230727 - WB Commissioning Memo.pdf

Follow Up Flag: Follow up
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Jane,

Please find attached the results of testing done at Buildings 4 and 5 at the West Block of Community Withing The Corridor (CWC). We will be sending the remainder of the results after the testing of the passive sampler is complete in the coming weeks. Please let me know if you have any questions or need anything else.

Thank you,

Sameer Neve, Ph.D., ENV SP

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KSingh | Engineers
Scientists
Consultants



MEMORANDUM

DATE : July 27, 2023

TO : Jane Pfeiffer / WDNR Project Manager

FROM : Sameer Neve, Ph.D., ENV SP / KSingh

SUBJECT: **Results of Fifth Round Commissioning for Community Within the Corridor (CWC) – West Block – Buildings 4 and 5**
3212 W. Center St., 2727 N. 32nd St., and 2758 N. 33rd St., Milwaukee, WI 53210
BRRTS #: 02-41-587376, FID #: 341333190

COPY TO: Shane LaFave / Roers Companies, LLC, Que El-Amin / Scott Crawford, Inc., Pratap Singh, Ph.D., PE / KSingh, Robert Reineke, PE, Project #40443A

The purpose of this memorandum is to summarize the results of the Second Round of Commissioning conducted between July 19 – 25, 2023 at Buildings 4 and 5 of the West Block at the CWC. This testing is an extension of the recently concluded Fifth Round of Commissioning for Buildings 6, 7, 8A and 8B which was submitted on July 8, 2023.

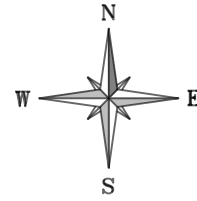
The following conclusions were reached based on the sampling:

- Based on the results of sub-slab vacuum measurements, the vapor mitigation system installed on the subject site adequately creates vacuum beneath the building slab for buildings 4 and 5.
- The sub-slab TCE results demonstrate compliance with the VRSL levels.
- Exhaust Fan emissions sampling indicates that TCE is present in low concentrations in the sub-slab.
- The Indoor Air samples had TCE concentrations below detection limit of 0.6 µg/m³ throughout Buildings 4 and 5.
- Based on the results from the fifth round of commissioning, the system is operating as intended.
- Passive indoor air samplers will be sent for testing by the end of this week and the results will be reported to the DNR within 10 days of receipt of the test reports.

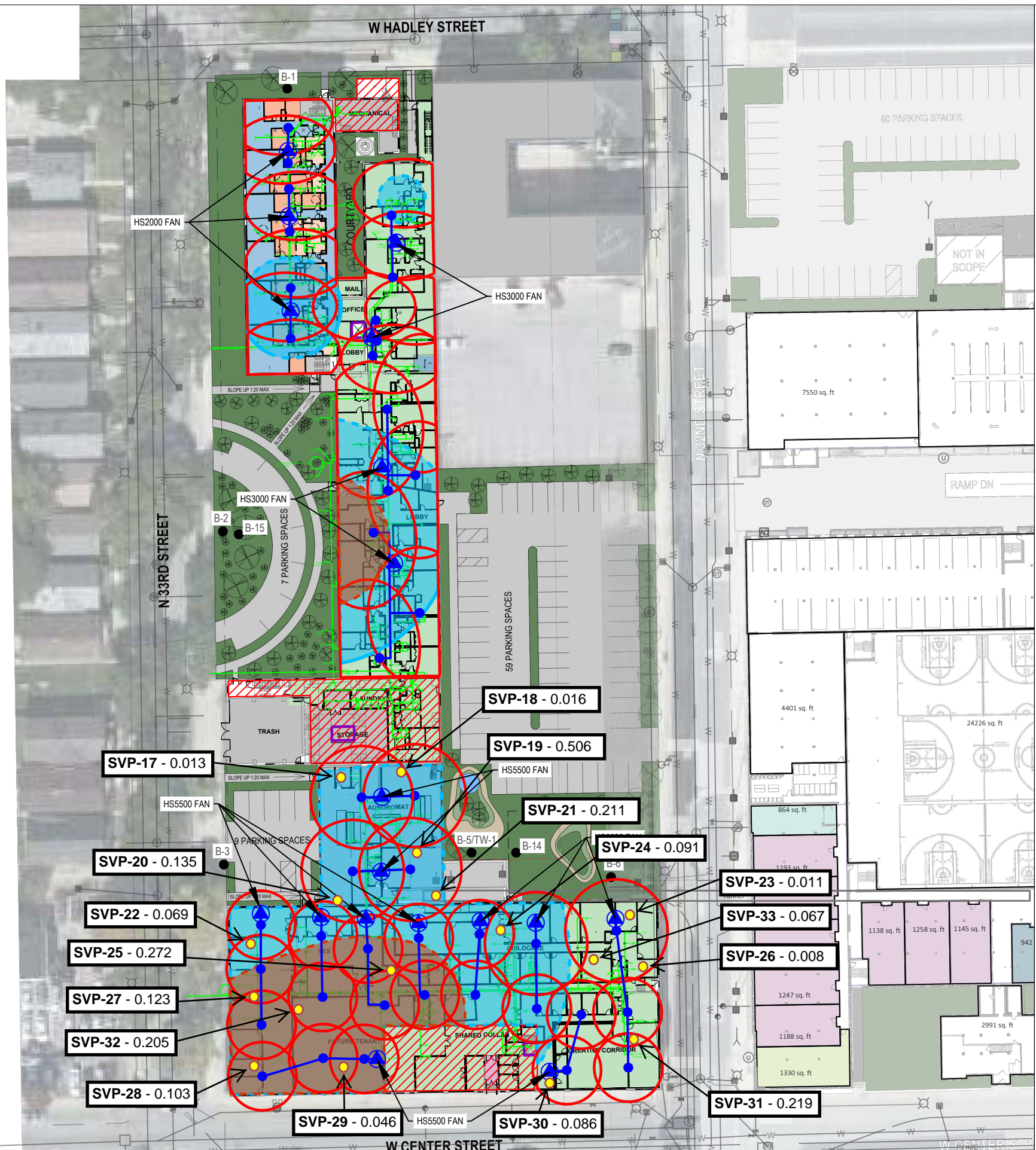
Attachments:

Figure 1	Sub-slab Depressurization Locations and Results
Figure 2	Exhaust Fan Locations
Figure 3	Indoor Air Sampling Locations
Table 1	Vacuum Measurement and Sub-slab TCE Results
Table 2	Exhaust Fan Sampling Results
Table 3	Indoor Air Sampling Results

FIGURES

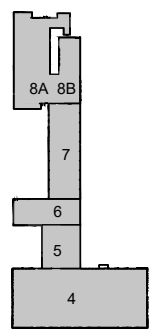


SCALE IN FEET
0 50'



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)



KEY PLAN

NOTES:

1. MINIMUM OF 3.5" SLAB PENETRATION
2. 10-15 "GALL" SOIL REMOVED BENEATH SLAB TO ACT AS SUCTION PIT
3. SEE TABLE FOR RADII FOOTAGE
4. 3" SCH. 40 PVC
5. BALL VALVES FOR EACH EXTRACTION POINT TO REGULATE FLOW
6. MANOMETER AND VELOCITY PORTS FOR EACH EXTRACTION POINT TO MEASURE FLOW AND NEGATIVE PRESSURE
7. MANOMETER POINT AT EACH FAN INLET FOR NEGATIVE PRESSURE
8. EXHAUST VENTING 2 FT ABOVE ROOF AND/OR 12 FT FROM WINDOWS
9. MIN 1.5% SLOPE TOWARD EXTRACTION POINTS
10. ELECTRICAL DISCONNECT AND OWN CIRCUIT FOR EACH FAN
11. 2" EXHAUST PIPING FOR HS FANS, 3" FOR GP501C
12. SEAL ALL CRACKS IN FLOORS
13. PLANS UNDERWAY TO REVISE WD-SV TO SC-1 UNDERLAIN BY 50-MIL SUB-MEMBRANE.

PROJECT TITLE: 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

CLIENT:
COMMUNITY WITHIN THE CORRIDOR LIMITED
PARTNERSHIP

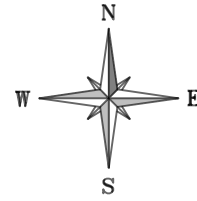
REVISIONS	DATE	DESCRIPTION

DRAWN BY: JPB DATE: 06/02/2022
CHECKED BY: RTR DATE: 06/02/2022

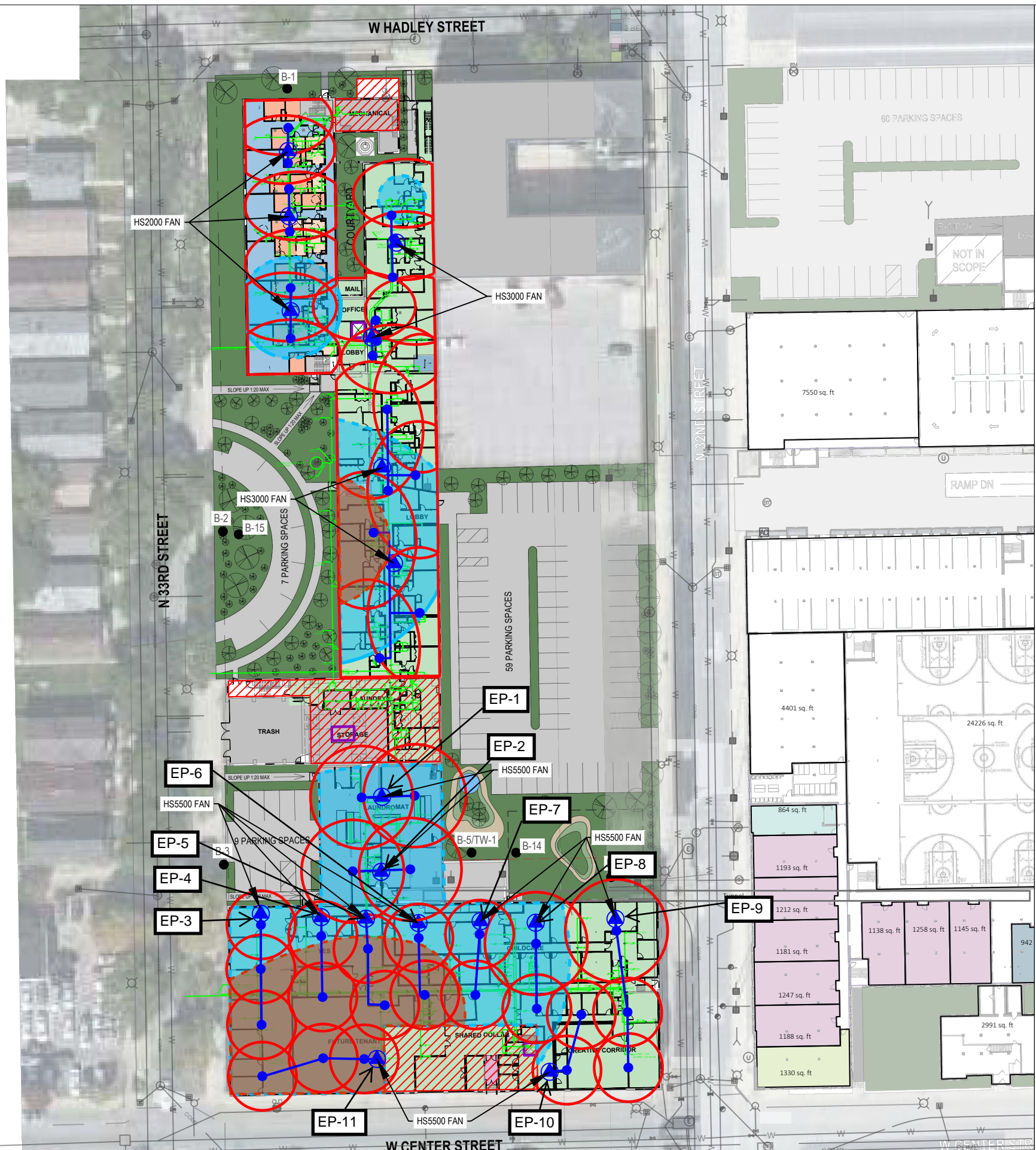
SHEET TITLE
**Sub-slab Depressurization
Location and Results**

FIGURE 1

SHEET 6 of SHEET 6



SCALE IN FEET
0 50'



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)

NOTES:

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7. MANOMETER POINT AT EACH FAN INLET FOR NEGATIVE PRESSURE
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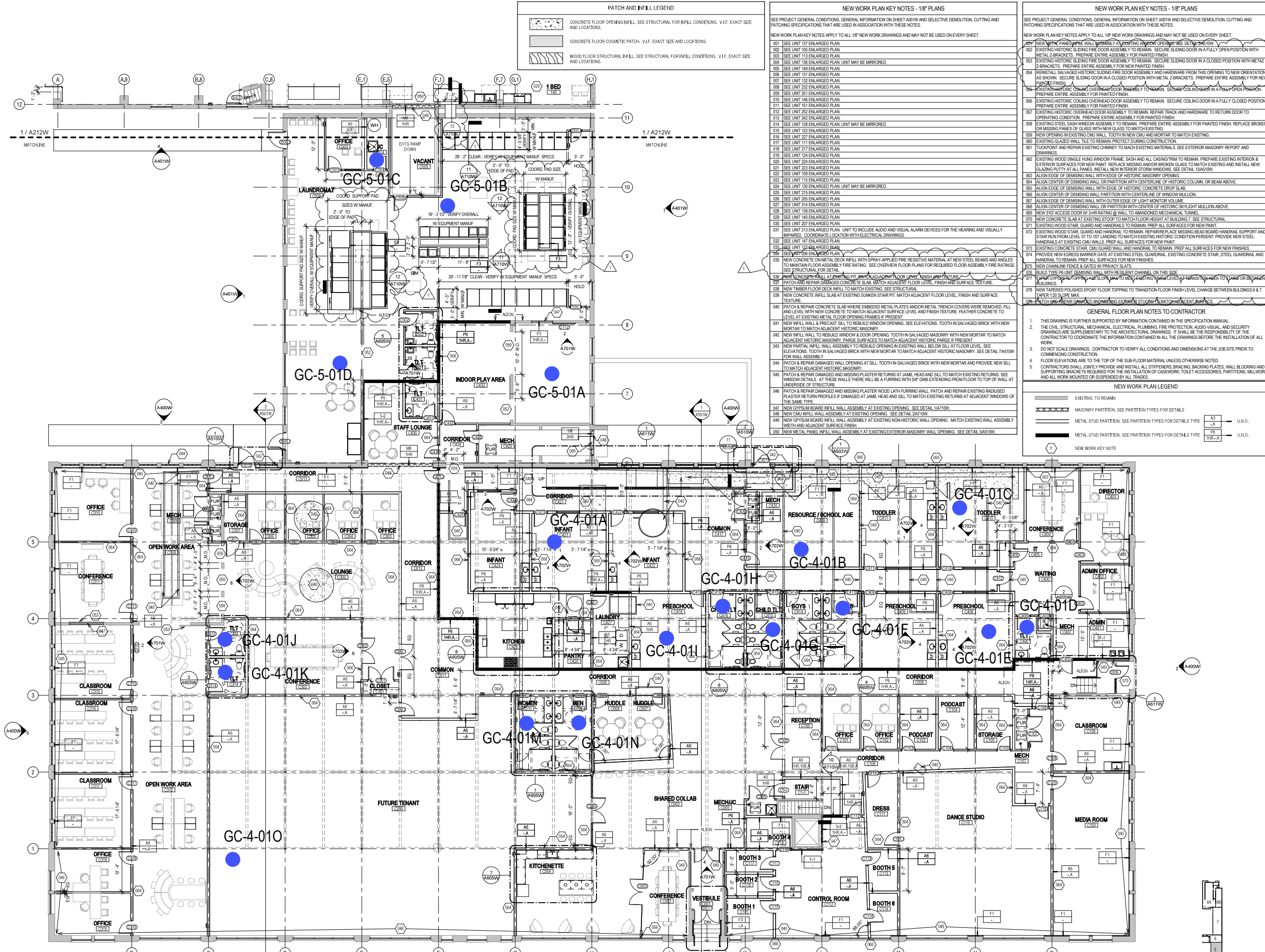
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REVISIONS	DATE	DESCRIPTION

DRAWN BY: JPB DATE: 06/02/2022
CHECKED BY: RTR DATE: 06/02/2022

SHEET TITLE
Exhaust Fan Locations

FIGURE 2



PATCH AND INFILL LEGEND

	CONCRETE FLOOR OPENING INFILL. SEE STRUCTURAL FOR INFILL CONDITIONS. V.I.F. EXACT SIZE AND LOCATIONS.
	CONCRETE FLOOR COSMETIC PATCH. V.I.F. EXACT SIZE AND LOCATIONS.
	WOOD FLOOR STRUCTURAL INFILL. SEE STRUCTURAL FOR INFILL CONDITIONS. V.I.F. EXACT SIZE AND LOCATIONS.

- NEW WORK PLAN KEY NOTES - 1/8" PLANS**
- SEE PROJECT GENERAL CONDITIONS, GENERAL INFORMATION ON SHEET A001W AND SELECTIVE DEMOLITION, CUTTING AND PATCHING SPECIFICATIONS THAT ARE USED IN ASSOCIATION WITH THESE NOTES.
- NEW WORK PLAN KEY NOTES APPLY TO ALL 1/8" NEW WORK DRAWINGS AND MAY NOT BE USED ON EVERY SHEET.
- 001 SEE UNIT 137 ENLARGED PLAN.
 - 002 SEE UNIT 105 ENLARGED PLAN.
 - 003 SEE UNIT 113 ENLARGED PLAN.
 - 004 SEE UNIT 138 ENLARGED PLAN. UNIT MAY BE MIRRORRED.
 - 005 SEE UNIT 149 ENLARGED PLAN.
 - 006 SEE UNIT 131 ENLARGED PLAN.
 - 007 SEE UNIT 132 ENLARGED PLAN.
 - 008 SEE UNIT 232 ENLARGED PLAN.
 - 009 SEE UNIT 251 ENLARGED PLAN.
 - 010 SEE UNIT 146 ENLARGED PLAN.
 - 011 SEE UNIT 151 ENLARGED PLAN.
 - 012 SEE UNIT 232 ENLARGED PLAN.
 - 013 SEE UNIT 242 ENLARGED PLAN.
 - 014 SEE UNIT 128 ENLARGED PLAN. UNIT MAY BE MIRRORRED.
 - 015 SEE UNIT 122 ENLARGED PLAN.
 - 016 SEE UNIT 227 ENLARGED PLAN.
 - 017 SEE UNIT 111 ENLARGED PLAN.
 - 018 SEE UNIT 217 ENLARGED PLAN.
 - 019 SEE UNIT 124 ENLARGED PLAN.
 - 020 SEE UNIT 224 ENLARGED PLAN.
 - 021 SEE UNIT 223 ENLARGED PLAN.
 - 022 SEE UNIT 109 ENLARGED PLAN.
 - 023 SEE UNIT 115 ENLARGED PLAN.
 - 024 SEE UNIT 130 ENLARGED PLAN. UNIT MAY BE MIRRORRED.
 - 025 SEE UNIT 215 ENLARGED PLAN.
 - 026 SEE UNIT 205 ENLARGED PLAN.
 - 027 SEE UNIT 314 ENLARGED PLAN.
 - 028 SEE UNIT 139 ENLARGED PLAN.
 - 029 SEE UNIT 142 ENLARGED PLAN.
 - 030 SEE UNIT 207 ENLARGED PLAN.
 - 031 SEE UNIT 213 ENLARGED PLAN. UNIT TO INCLUDE AUDIO AND VISUAL ALARM DEVICES FOR THE HEARING AND VISUALLY IMPAIRED. COORDINATE LOCATION WITH ELECTRICAL DRAWINGS.
 - 032 SEE UNIT 147 ENLARGED PLAN.
 - 033 SEE UNIT 132 ENLARGED PLAN.
 - 034 SEE UNIT 206 ENLARGED PLAN.
 - 035 NEW CONCRETE ON METAL DECK INFILL WITH SPRAY-APPLIED FIRE RESISTIVE MATERIAL AT NEW STEEL BEAMS AND ANGLES TO MAINTAIN FLOOR ASSEMBLY FIRE RATING. SEE OVERVIEW FLOOR PLANS FOR REQUIRED FLOOR ASSEMBLY FIRE RATINGS. SEE STRUCTURAL FOR DETAIL.
 - 036 NEW CONCRETE INFILL AT EXISTING FIT AND FINISH FLOOR LEVELS. FINISH AND SURFACE TEXTURE.
 - 037 PATCH AND REPAIR DAMAGED CONCRETE SLAB. MATCH ADJACENT FLOOR LEVEL, FINISH AND SURFACE TEXTURE.
 - 038 NEW TIMBER FLOOR DECK INFILL TO MATCH EXISTING. SEE STRUCTURAL.
 - 039 NEW CONCRETE INFILL SLAB AT EXISTING SUNKEN STAIR PIT. MATCH ADJACENT FLOOR LEVEL, FINISH AND SURFACE TEXTURE.
 - 040 PATCH & REPAIR CONCRETE SLAB WHERE EMBEDDED METAL PLATES AND/OR METAL TRENCH COVERS WERE REMOVED. FILL AND LEVEL WITH NEW CONCRETE TO MATCH ADJACENT SURFACE LEVEL AND FINISH TEXTURE. FEATHER CONCRETE TO LEVEL AT EXISTING METAL FLOOR OPENING FRAMES IF PRESENT.
 - 041 NEW INFILL WALL & PRECAST SILL TO REBUILD WINDOW OPENING. SEE ELEVATIONS. TOOTH IN SALVAGED BRICK WITH NEW MORTAR TO MATCH ADJACENT HISTORIC MASONRY.
 - 042 NEW INFILL WALL TO REBUILD WINDOW & DOOR OPENING. TOOTH IN SALVAGED MASONRY WITH NEW MORTAR TO MATCH ADJACENT HISTORIC MASONRY. PARSE SURFACES TO MATCH ADJACENT HISTORIC PARSE IF PRESENT.
 - 043 NEW PARTIAL INFILL WALL ASSEMBLY TO REBUILD OPENING IN EXISTING WALL BELOW SILL AT FLOOR LEVEL. SEE ELEVATIONS. TOOTH IN SALVAGED BRICK WITH NEW MORTAR TO MATCH ADJACENT HISTORIC MASONRY. SEE DETAIL 7/510W FOR WALL ASSEMBLY.
 - 044 PATCH & REPAIR DAMAGED WALL OPENING AT SILL. TOOTH IN SALVAGED BRICK WITH NEW MORTAR AND PROVIDE NEW SILL TO MATCH ADJACENT HISTORIC MASONRY.
 - 045 PATCH & REPAIR DAMAGED AND MISSING PLASTER RETURNS AT JAMB, HEAD AND SILL TO MATCH EXISTING RETURNS. SEE WINDOW DETAILS. AT THESE WALLS THERE WILL BE A FURRING WITH 5/8" CMU EXTENDING FROM FLOOR TO TOP OF WALL AT UNDERSIDE OF STRUCTURE.
 - 046 PATCH & REPAIR DAMAGED AND MISSING PLASTER WOOD LATH FURRING WALL. PATCH AND REPAIR EXISTING RADIUSED PLASTER RETURN PROFILES IF DAMAGED AT JAMB, HEAD AND SILL TO MATCH EXISTING RETURNS AT ADJACENT WINDOWS OF THE SAME TYPE.
 - 047 NEW GYPSUM BOARD INFILL WALL ASSEMBLY AT EXISTING OPENING. SEE DETAIL 1/410W.
 - 048 NEW CMU INFILL WALL ASSEMBLY AT EXISTING OPENING. SEE DETAIL 2/410W.
 - 049 NEW GYPSUM BOARD INFILL WALL ASSEMBLY AT EXISTING NON-HISTORIC WALL OPENING. MATCH EXISTING WALL ASSEMBLY WIDTH AND ADJACENT SURFACE FINISH.
 - 050 NEW METAL PANEL INFILL WALL ASSEMBLY AT EXISTING EXTERIOR MASONRY WALL OPENING. SEE DETAIL 5/410W.

- NEW WORK PLAN KEY NOTES - 1/8" PLANS**
- SEE PROJECT GENERAL CONDITIONS, GENERAL INFORMATION ON SHEET A001W AND SELECTIVE DEMOLITION, CUTTING AND PATCHING SPECIFICATIONS THAT ARE USED IN ASSOCIATION WITH THESE NOTES.
- NEW WORK PLAN KEY NOTES APPLY TO ALL 1/8" NEW WORK DRAWINGS AND MAY NOT BE USED ON EVERY SHEET.
- 051 NEW METAL PANEL INFILL WALL ASSEMBLY AT EXISTING WINDOW OPENING. SEE DETAIL 5/410W.
 - 052 EXISTING HISTORIC SLIDING FIRE DOOR ASSEMBLY TO REMAIN. SECURE SLIDING DOOR IN A FULLY OPEN POSITION WITH METAL Z-BRACKETS. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
 - 053 EXISTING HISTORIC SLIDING FIRE DOOR ASSEMBLY TO REMAIN. SECURE SLIDING DOOR IN A CLOSED POSITION WITH METAL Z-BRACKETS. PREPARE ENTIRE ASSEMBLY FOR NEW PAINTED FINISH.
 - 054 REINSTATE SALVAGED HISTORIC SLIDING FIRE DOOR ASSEMBLY AND HARDWARE FROM THIS OPENING TO NEW ORIENTATION AS SHOWN. SECURE SLIDING DOOR IN A CLOSED POSITION WITH METAL Z-BRACKETS. PREPARE ENTIRE ASSEMBLY FOR NEW PAINTED FINISH.
 - 055 EXISTING HISTORIC OVERHEAD DOOR ASSEMBLY TO REMAIN. SECURE COILING DOOR IN A FULLY OPEN POSITION. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
 - 056 EXISTING HISTORIC COILING OVERHEAD DOOR ASSEMBLY TO REMAIN. SECURE COILING DOOR IN A FULLY CLOSED POSITION. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
 - 057 EXISTING HISTORIC OVERHEAD DOOR ASSEMBLY TO REMAIN. REPAIR TRACK AND HARDWARE TO RETURN DOOR TO OPERATING CONDITION. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
 - 058 EXISTING STEEL SASH WINDOW ASSEMBLY TO REMAIN. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH. REPLACE BROKEN OR MISSING PANE OF GLASS WITH NEW GLASS TO MATCH EXISTING.
 - 059 NEW OPENING IN EXISTING CMU WALL. TOOTH IN NEW CMU AND MORTAR TO MATCH EXISTING.
 - 060 EXISTING GLAZED WALL TILE TO REMAIN. PROTECT DURING CONSTRUCTION.
 - 061 TIEPOINT AND REPAIR EXISTING CHIMNEY TO MATCH EXISTING MATERIALS. SEE EXTERIOR MASONRY REPORT AND DRAWINGS.
 - 062 EXISTING WOOD SINGLE HUNG WINDOW FRAME. SASH AND ALL CASING/TRIM TO REMAIN. PREPARE EXISTING INTERIOR & EXTERIOR SURFACES FOR NEW PAINT. REPLACE MISSING AND/OR BROKEN GLASS TO MATCH EXISTING AND INSTALL NEW GLAZING PANE OF GLASS WITH NEW GLASS TO MATCH EXISTING. SEE DETAIL 1/3410W.
 - 063 ALIGN EDGE OF DEMISING WALL WITH EDGE OF HISTORIC MASONRY OPENING.
 - 064 ALIGN CENTER OF DEMISING WALL OR PARTITION WITH CENTERLINE OF HISTORIC COLUMN, OR BEAM ABOVE.
 - 065 ALIGN EDGE OF DEMISING WALL WITH EDGE OF HISTORIC CONCRETE DROP SLAB.
 - 066 ALIGN CENTER OF DEMISING WALL PARTITION WITH CENTERLINE OF WINDOW MULLION.
 - 067 ALIGN EDGE OF DEMISING WALL WITH OUTER EDGE OF LIGHT MONITOR VOLUME.
 - 068 ALIGN CENTER OF DEMISING WALL OR PARTITION WITH CENTER OF HISTORIC SKYLIGHT MULLION ABOVE.
 - 069 NEW 3'X3' ACCESS DOOR W/ 3/4" RATING @ WALL TO ABANDONED MECHANICAL TUNNEL.
 - 070 NEW CONCRETE SLAB AT EXISTING STAIR TO MATCH FLOOR HEIGHT AT BUILDING 7. SEE STRUCTURAL.
 - 071 EXISTING HISTORIC WOOD STAIR GUARD AND HANDRAIL TO REMAIN. REPAIR/REPLACE MISSING BEAD BOARD HANDRAIL SUPPORT AND STAIR RUN FROM LEVEL 01 TO 1ST LANDING TO MATCH EXISTING HISTORIC CONDITION PRESENT. PROVIDE NEW STEEL HANDRAIL AT EXISTING CMU WALLS. PREP ALL SURFACES FOR NEW PAINT.
 - 072 EXISTING WOOD STAIR GUARD AND HANDRAIL TO REMAIN. REPAIR/REPLACE MISSING BEAD BOARD HANDRAIL SUPPORT AND STAIR RUN FROM LEVEL 01 TO 1ST LANDING TO MATCH EXISTING HISTORIC CONDITION PRESENT. PROVIDE NEW STEEL HANDRAIL AT EXISTING CMU WALLS. PREP ALL SURFACES FOR NEW PAINT.
 - 073 EXISTING CONCRETE STAIR CMU GUARD WALL AND HANDRAIL TO REMAIN. PREP ALL SURFACES FOR NEW FINISHES.
 - 074 PROVIDE NEW EGRESS BARRIER GATE AT EXISTING STEEL GUARDRAIL. EXISTING CONCRETE STAIR, STEEL GUARDRAIL AND HANDRAIL TO REMAIN. PREP ALL SURFACES FOR NEW FINISHES.
 - 075 EXISTING HISTORIC WOOD STAIR GUARD AND HANDRAIL TO REMAIN. REPAIR/REPLACE MISSING BEAD BOARD HANDRAIL SUPPORT AND STAIR RUN FROM LEVEL 01 TO 1ST LANDING TO MATCH EXISTING HISTORIC CONDITION PRESENT. PROVIDE NEW STEEL HANDRAIL AT EXISTING CMU WALLS. PREP ALL SURFACES FOR NEW PAINT.
 - 076 BUILD TYPE PL UNIT DEMISING WALL WITH RESILIENT CHANNEL ON THIS SIDE.
 - 077 PATCH AND REPAIR DAMAGED AND MISSING EXTERIOR STUCCO TO MATCH ADJACENT SURFACE.
 - 078 NEW TAPERED POLISHED EPOXY FLOOR TOPPING TO TRANSITION FLOOR FINISH LEVEL CHANGE BETWEEN BUILDINGS 4 & 7. TAPER 1:20 SLOPE MAX.
 - 079 PATCH AND REPAIR DAMAGED AND MISSING EXTERIOR STUCCO TO MATCH ADJACENT SURFACE.
- GENERAL FLOOR PLAN NOTES TO CONTRACTOR**
- THIS DRAWING IS FURTHER SUPPORTED BY INFORMATION CONTAINED IN THE SPECIFICATION MANUAL.
 - THE CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AUDIO-VISUAL AND SECURITY DRAWINGS ARE SUPPLEMENTARY TO THE ARCHITECTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN THE INFORMATION CONTAINED IN ALL THE DRAWINGS BEFORE THE INSTALLATION OF ALL WORK.
 - DO NOT SCALE DRAWINGS. CONTRACTOR TO VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE PRIOR TO COMMENCING CONSTRUCTION.
 - FLOOR ELEVATIONS ARE TO THE TOP OF THE SUB-FLOOR MATERIAL UNLESS OTHERWISE NOTED.
 - CONTRACTORS SHALL JOINTLY PROVIDE AND INSTALL ALL STIFFENERS, BRACING, BACKING PLATES, WALL BLOCKING AND SUPPORTING BRACKETS REQUIRED FOR THE INSTALLATION OF CASEWORK, TOILET ACCESSORIES, PARTITIONS, MILLWORK AND ALL WORK MOUNTED OR SUSPENDED BY ALL TRADES.
- NEW WORK PLAN LEGEND**
- | | |
|--|--|
| | EXISTING TO REMAIN |
| | MASONRY PARTITION. SEE PARTITION TYPES FOR DETAILS |
| | METAL STUD PARTITION. SEE PARTITION TYPES FOR DETAILS TYPE |
| | METAL STUD PARTITION. SEE PARTITION TYPES FOR DETAILS TYPE |
- NEW WORK KEY NOTE**
- | | |
|--|--------|
| | U.I.O. |
| | U.I.O. |
| | U.I.O. |

PLANNERS 5

T 414.220.9640

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Milwaukee, WI 53202

CONSULTANTS

COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK

2755 N. 38RD STREET
MILWAUKEE, WI 53210

SHEET TITLE:
INDOOR AIR GC SAMPLE LOCATIONS

REVISIONS

1	10/09/20	ADDENDUM #1
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SCALE: VARIES

PROJECT NUMBER: 200102

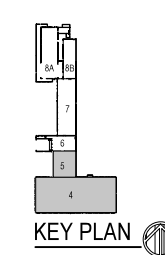
SET TYPE: CONSTRUCTION DOCUMENTS

DATE ISSUED: 9/25/20

SHEET NUMBER: A211W

1 NEW WORK PLAN - LEVEL 01 - BUILDINGS 4 & 5

Scale: 1/8" = 1'-0"



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TABLES

Table 1

Vacuum Measurement and Sub-Slab TCE Results

Sample Location	Date	Reading (inches H ₂ O)	Sub-Slab TCE Readings (µg/m ³)
SVP-17	7/20/2023	-0.013	0
SVP-18	7/20/2023	-0.016	11.2
SVP-19	7/19/2023	-0.506	0
SVP-20	7/19/2023	-0.135	0
SVP-21	7/19/2023	-0.211	1.04
SVP-22	7/19/2023	-0.069	8.49
SVP-23	7/19/2023	-0.011	0
SVP-24	7/19/2023	-0.091	0
SVP-25	7/19/2023	-0.272	2.22
SVP-26	7/19/2023	-0.008	0
SVP-27	7/19/2023	-0.123	8.79
SVP-28	7/19/2023	-0.103	64.8
SVP-29	7/19/2023	-0.046	11
SVP-30	7/19/2023	-0.086	0
SVP-31	7/19/2023	-0.219	0
SVP-32	7/19/2023	-0.205	11
SVP-33	7/19/2023	-0.067	0
*Readings were compared to a threshold value of 0.004 inches H ₂ O and VRSL levels of 70 µg/m ³			

Table 2

Exhaust Fan Sampling Results

Exhaust Fan	Effluent TCE Concentration	Flow Rate	TCE Removal Rate	TCE Removal Rate
	($\mu\text{g}/\text{m}^3$)	(cfm)	(lbs/day)	(lbs/year)
EP - 1	3.93	91.02	0.00003	0.0117
EP - 2	3.88	82.47	0.00003	0.0105
EP - 3	2.44	45.41	0.00001	0.0036
EP - 4	10.3	20.27	0.00002	0.0069
EP - 5	3.36	56.06	0.00002	0.0062
EP - 6	0.49	58.95	0.00000	0.0009
EP - 7	4.17	20.32	0.00001	0.0028
EP - 8	2.02	55.08	0.00001	0.0037
EP - 9	0.34	14.48	0.00000	0.0002
EP - 10	4.05	19.34	0.00001	0.0026
EP - 11	3.05	84.09	0.00002	0.0084
		Total	0.00016	0.05743

Table 3**Indoor Air Testing Data**

On-site EPA Method TO-14 Data from Indoor Air Samples

Instrument: SRI 8610 Gas Chromatograph with ECD

Operator: Sameer Neve, Ph.D., ENV SP / KSingh

Date: 7/20/2023

ID	Unit	File No.	Date	Time	PCE ($\mu\text{g}/\text{m}^3$)	TCE ($\mu\text{g}/\text{m}^3$)
GC-4-01A	423	837	20-Jul	15:36	ND	0
GC-4-01B	419	833	20-Jul	14:45	ND	0
GC-4-01C	410	831	20-Jul	14:18	ND	0
GC-4-01D	406	829	20-Jul	14:01	ND	0
GC-4-01E	408	830	20-Jul	14:09	ND	0
GC-4-01F	413	832	20-Jul	14:26	ND	0
GC-4-01G	415	834	20-Jul	14:54	ND	0
GC-4-01H	416	835	20-Jul	15:02	ND	0
GC-4-01I	418	836	20-Jul	15:11	ND	0
GC-4-01J	313	841	20-Jul	16:14	ND	0
GC-4-01K	314	842	20-Jul	16:23	ND	0
GC-4-01L	109	847	20-Jul	17:20	ND	0
GC-4-01M	10	840	20-Jul	16:04	ND	0
GC-4-01N	9	839	20-Jul	15:57	ND	0
GC-4-01O	oppo 318	843	20-Jul	16:35	ND	0
GC-5-01A	432	838	20-Jul	15:45	ND	0
GC-5-01B	open area	845	20-Jul	17:03	ND	0
GC-5-01C	504	844	20-Jul	16:52	ND	0
GC-5-01D	ent	846	20-Jul	17:10	ND	0