

From: Schultz, Josie M - DNR
Sent: Monday, January 22, 2024 12:03 PM
To: Nicholas Hill
Cc: Wayne Fassbender
Subject: RE: Barb & Rons 02-45-297744

Hi Nick,

I passed this information along to the vapor intrusion team leader, and she agreed that no additional investigation is warranted in the Dennison sanitary sewer main or backfill.

Josie

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Josie Schultz

Cell Phone: (920) 366-5685

Josie.Schultz@Wisconsin.gov

From: Nicholas Hill <nhill@enviroforensics.com>
Sent: Tuesday, January 9, 2024 11:53 AM
To: Schultz, Josie M - DNR <josie.schultz@wisconsin.gov>
Cc: Wayne Fassbender <wfassbender@enviroforensics.com>
Subject: RE: Barb & Rons 02-45-297744

**CAUTION: This email originated from outside the organization.
Do not click links or open attachments unless you recognize the sender and know the content is safe.**

Hi Joise,

I hope you are doing well and having a good start to the year.

In follow up with your email below, we are working toward addressing your comments. As a start, we gathered some additional information regarding the sewer system north of the Site to address your comment #3 and would like to discuss further with you before updating the FSI work plan. Attached is an email chain with the City of Appleton civil engineer discussing the sewer network in the area and a map showing our understanding of the conditions. In summary, it appears that a 6-inch clay tile lateral may have historically extended north from the site to the 8-inch concrete main in Dennison, but was removed (capped) along with the newer sewer (6-inch PVC) and water (1.5-inch copper) laterals extending west toward Lawe Street between 2016 and 2018. In our opinion, the capping of the laterals from the site should mitigate the potential for the sewers to act as a continued preferential pathway for impacted vapor migration. Additionally, given the completed source reduction actions at the site, vapor

impacts at SG-4 are below residential screening levels, and we are planning to conduct VI assessments at the 3 residences along Lawe Street and the one (1) western adjoining residence on Dennison (see map), further vapor investigation of the sewer along Dennison does not seem warranted.

I can be available this week or next to further discuss with you the sewer conditions to address this comment. Let me know what times work best for you.

Sincerely,

Nicholas Hill, LPG, Senior Project Manager
EnviroForensics® | 825 N Capitol Avenue, Indianapolis, IN 46204
Direct 317.614.0596 | Mobile 937.231.8181 | enviroforensics.com

From: Schultz, Josie M - DNR <josie.schultz@wisconsin.gov>
Sent: Wednesday, November 15, 2023 1:10 PM
To: Nicholas Hill <nhill@enviroforensics.com>; Wayne Fassbender <wfassbender@enviroforensics.com>
Cc: Andy Skwierawski <mas@hallingcayo.com>
Subject: Barb & Rons 02-45-297744

Hi Nick & Wayne,

Thank you for the conversation yesterday regarding the workplan for Barb & Rons. As mentioned on the call, DNR has the following comments for the workplan:

1. DNR recommends that the proposed piezometer, PZ-1D, be double cased as there is still significant contamination within groundwater and saturated soil in this area.
2. Need groundwater deep groundwater flow direction; current piezometers appear to be screened in same 25-30' interval.
3. Need evaluation for if storm and/or sanitary laterals were present on the north side of the property, and/or further evaluation of vapors detected at SG-4 within East Dennison.

I received an email from the City of Appleton that municipal water comes from Lake Winnebago, and the well that I recalled to be ~2 blocks away from the site appears to be an irrigation well for the golf course. If contamination is found within the deeper aquifer, we may need to revisit if this well needs to be sampled.

PFAS is proposed to be sampled in the source wells, however DNR still needs an emerging contaminants scoping statement to be submitted.

Please let me know if you have any questions or concerns regarding DNR's comments above.

Thank you,
Josie

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Josie M. Schultz

Hydrogeologist – Northeast Region Remediation and Redevelopment Team

Wisconsin Department of Natural Resources
110 S. Neenah Avenue, Sturgeon Bay, WI 54235
Cell Phone: 920-366-5685
Josie.Schultz@Wisconsin.gov





dnr.wi.gov






DRAFT

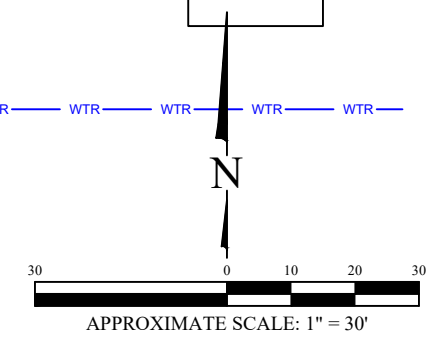
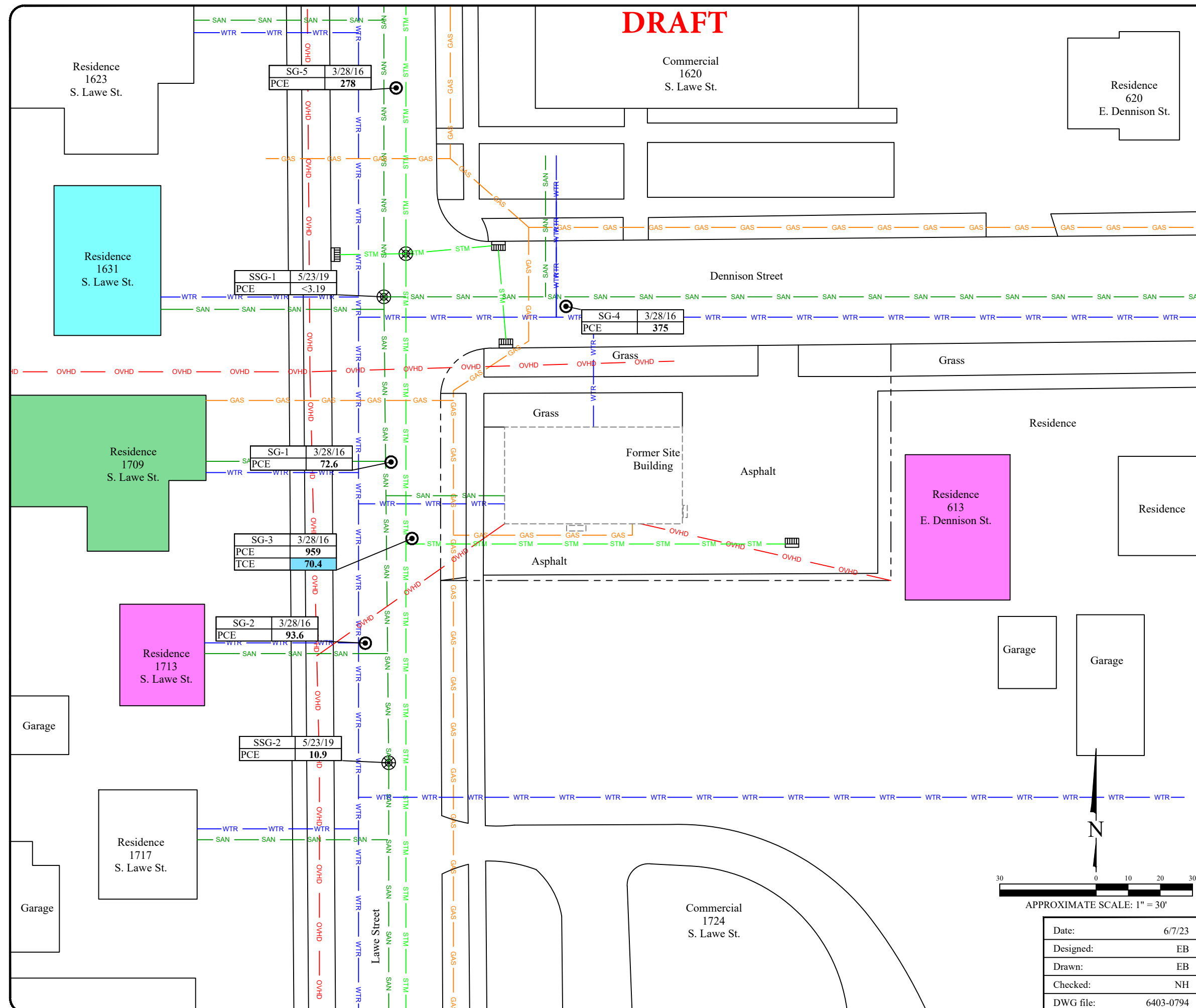
Legend

- Property boundary
- SG-1  Soil gas sample
- SSG-1  Sanitary sewer gas sample collected from manhole

Analytes	Small Commercial Vapor Risk Screening Level and Sanitary Sewer Gas Screening Level	Residential Vapor Risk Screening Level and Sanitary Sewer Gas Screening Level
PCE	5,800	1,400
TCE	290	70

- Note:
- All results reported in micrograms per cubic meter ($\mu\text{g}/\text{m}^3$)
 - PCE = Tetrachloroethene
 - TCE = Trichloroethene
 - Active vapor mitigation system was installed at 1631 S. Lawe Street and was last known to be operating in March 2016.

-  Vapor Intrusion Assessment completed in building
-  Proposed Winter paired indoor air/sub-slab vapor sampling Event
-  Proposed Summer and Winter paired indoor air/sub-slab vapor sampling Event



VAPOR INTRUSION CONDITIONS AND PROPOSED SAMPLING LOCATIONS

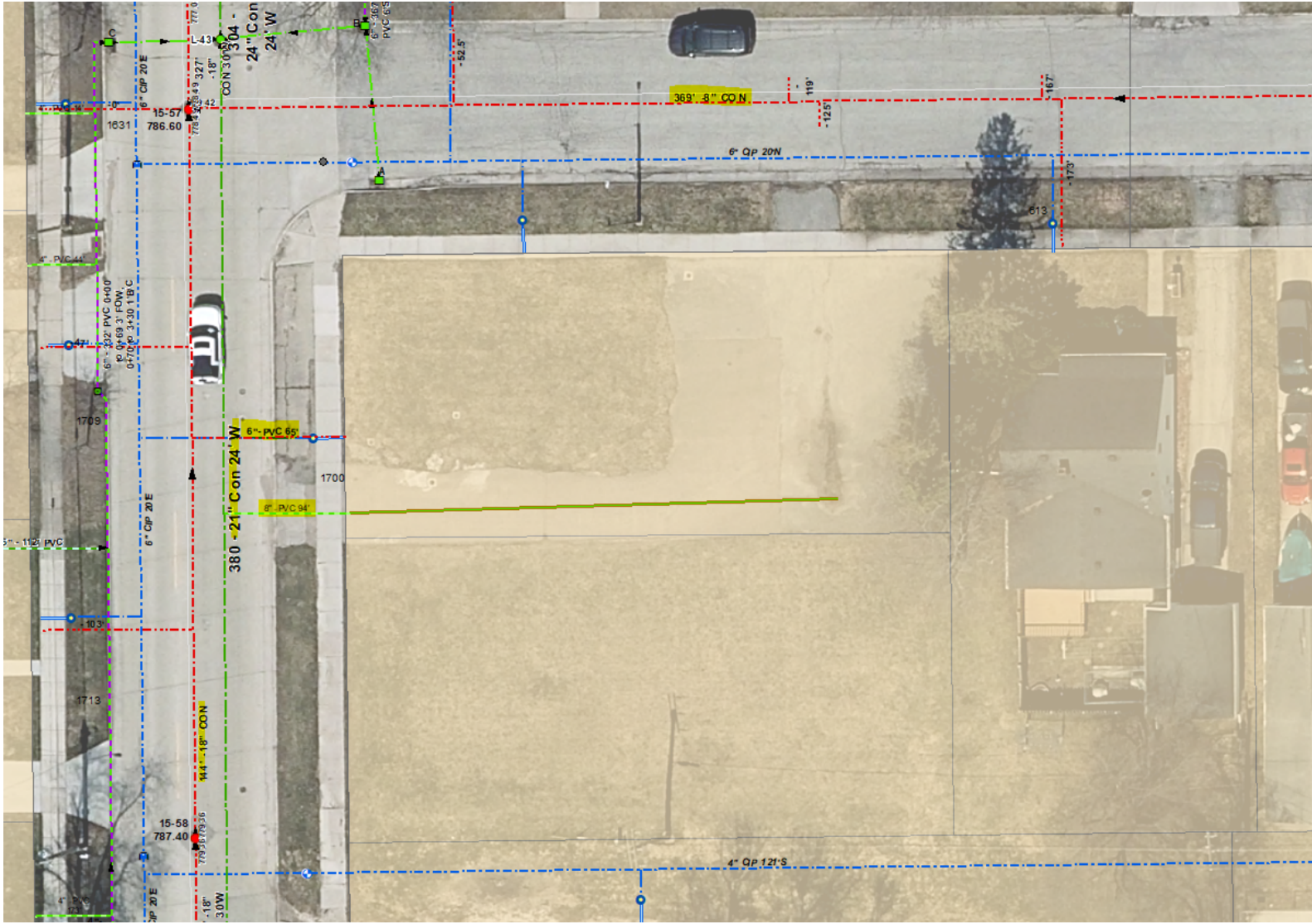
Former Barb and Ron's Cleaners
1700 South Lawe Street
Appleton, Wisconsin

	Figure
	2
	Project
	6403

Date:	6/7/23
Designed:	EB
Drawn:	EB
Checked:	NH
DWG file:	6403-0794

825 North Capitol Avenue • Indianapolis, IN 46204
EnviroForensics.com

image004.png



PMT030R7 SEWER PERMIT INQUIRY S16 - 0226 PMT030D1
 KEY # 4 0761 01 RCPT# 8355 AMT 30.00 DATE 042716 ALD DST 08
 OWNR GLASS VAULT LLC PO BOX 2327 CLASS COM
 BLD ADDR 1700 S LAWE ST ZONES: C2
 LGL DESC: EDW WESTS PLAT 4WD N5 6FT OF S112FT OF W120F T OF LOT 1 BLK 37

TYPE OF BUILDING CODE: CM WHY ISSUED: SS

LOT: BLOCK: PLAT:

STORM: Tap Wye: CAP AT PROPERTY LINE

Inch: 8 Type Pipe: SCH 35 PVC

SANITARY: Tap Wye: SEAL AT MAIN OR SEAL INTERIOR LATERAL CONNECTION
OF MAIN

Inch: 6 Type Pipe: VIT CLAY

WATER SERV: COPPER Size: 1.50 REPAIR REQD: Sidewalk: Street:

ESTIMATED COST: 3500 UNAPPROV: 000000 APPROV: 052218

APPLICANT : DENNIS WOODS 766-1100 ADDR: CAP WATER AT PROPERTY

CONTRACTOR: GENE FREDRICKSON ADDR: LINE

LAST INSP : 052218 Type: SE Cat: Initials: JB Pass: Y #Viol: 00 Re-inspc?

Comment: 1.5" COPPER, 6" PVC SAN. CAPPED, STORM TO REMAIN Ins hr: 00 Min: 00

F2-Inspections F3-Return ENTER-Next Permit

F8-Prt Inspec.log F10-Owner Info F16-NotePad: Y

From: Borski, Jennifer - DNR
Sent: Monday, January 22, 2024 11:03 AM
To: Schultz, Josie M - DNR
Subject: RE: Response Requested - Sanitary question - Barb & Rons 02-45-297744

Follow Up Flag: Follow up
Flag Status: Flagged

Josie – I reviewed this information this morning and agree with you that no additional investigation is warranted in the Dennison sanitary sewer main or in the backfill. Let me know if you need anything further.

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Jennifer Borski

Cell Phone: (920) 360-0853

jennifer.borski@wisconsin.gov

From: Schultz, Josie M - DNR <josie.schultz@wisconsin.gov>
Sent: Thursday, January 11, 2024 3:44 PM
To: Borski, Jennifer - DNR <Jennifer.Borski@wisconsin.gov>
Subject: Response Requested - Sanitary question - Barb & Rons 02-45-297744

Hi Jenna,

I received the attached email for Barb & Rons, addressing whether or not there was a historic lateral that went into East Dennison to the north of the site. When you were the PM for the site, you requested this additional information to help explain soil gas detections at SG-4 near the sanitary in Dennison Street (see map below)

Findings:

- There was a lateral that went from Barb and Rons to the Dennison sanitary sewer. The lateral was capped at some point between 2016 and 2018, I'm guessing as part of the RA.
- Sanitary flows to the west. There is a SSG sample from the nearest manhole in the downgradient direction, at the intersection of Lawe and Dennison that was non-detect.

Question:



- **Is additional investigation needed into this sanitary sewer?**
 - My opinion:
 - No additional investigation needed in-pipe as the closest downgradient manhole is clean.
 - No additional backfill soil gas investigation needed as the soil gas vapor is below residential VRSLs, saturated soil in this location was non-detect, and additional vapor investigation will be performed in all the homes.

Please let me know if you'd like to go over this info more formally.

Thanks,
Josie




DRAFT

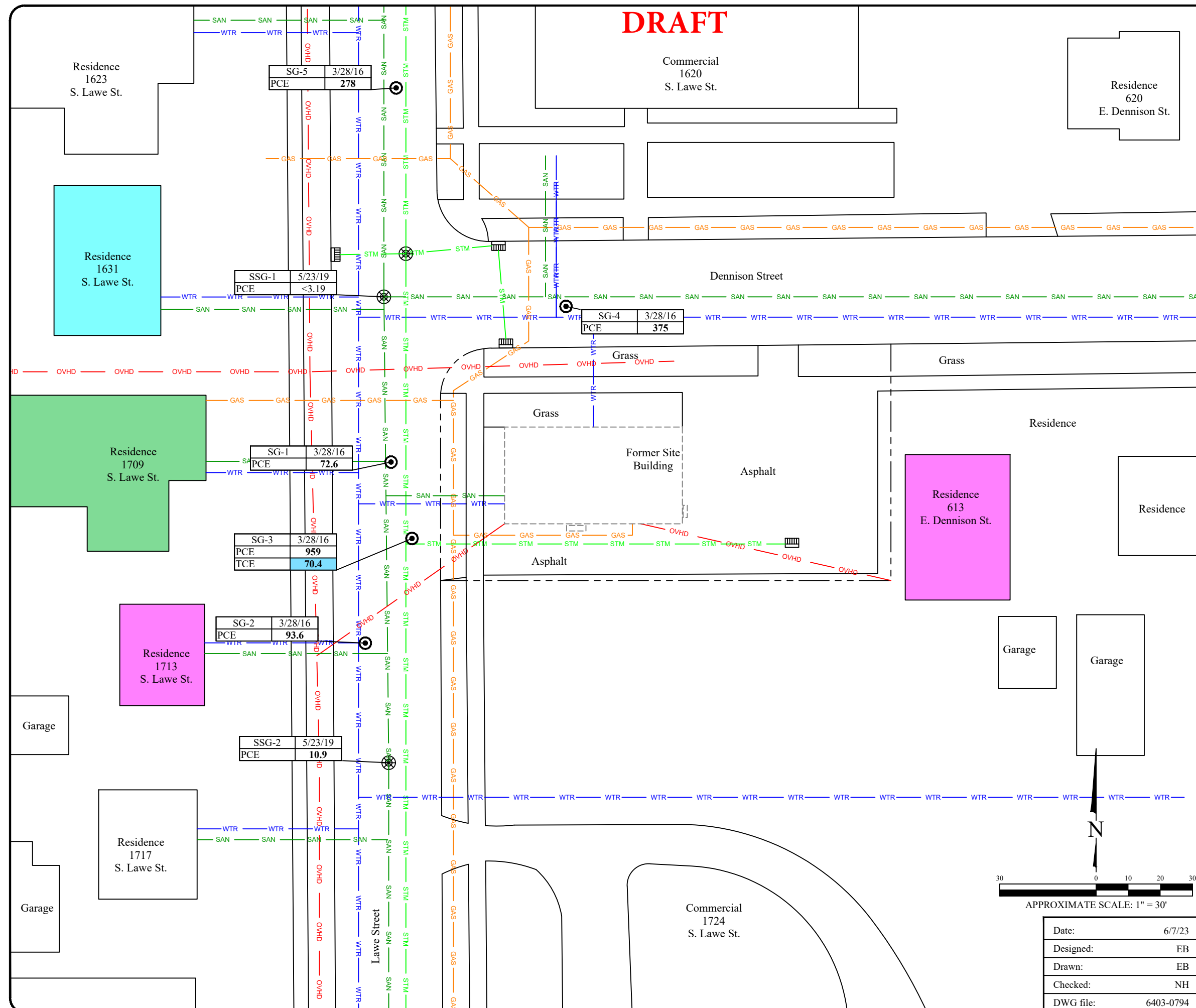
Legend

- Property boundary
- SG-1  Soil gas sample
- SSG-1  Sanitary sewer gas sample collected from manhole

Analytes	Small Commercial Vapor Risk Screening Level and Sanitary Sewer Gas Screening Level	Residential Vapor Risk Screening Level and Sanitary Sewer Gas Screening Level
PCE	5,800	1,400
TCE	290	70

- Note:
- All results reported in micrograms per cubic meter ($\mu\text{g}/\text{m}^3$)
 - PCE = Tetrachloroethene
 - TCE = Trichloroethene
 - Active vapor mitigation system was installed at 1631 S. Lawe Street and was last known to be operating in March 2016.

-  Vapor Intrusion Assessment completed in building
-  Proposed Winter paired indoor air/sub-slab vapor sampling Event
-  Proposed Summer and Winter paired indoor air/sub-slab vapor sampling Event



SG-5	3/28/16
PCE	278

SSG-1	5/23/19
PCE	<3.19

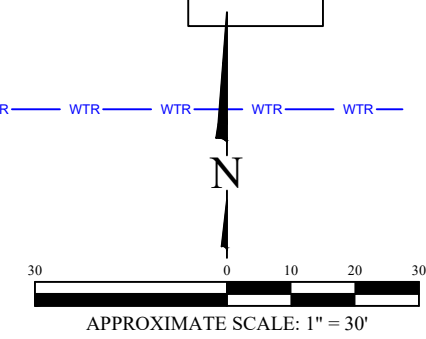
SG-4	3/28/16
PCE	375

SG-1	3/28/16
PCE	72.6

SG-3	3/28/16
PCE	959
TCE	70.4

SG-2	3/28/16
PCE	93.6

SSG-2	5/23/19
PCE	10.9



VAPOR INTRUSION CONDITIONS AND PROPOSED SAMPLING LOCATIONS

Former Barb and Ron's Cleaners
1700 South Lawe Street
Appleton, Wisconsin

	Figure
	2
825 North Capitol Avenue • Indianapolis, IN 46204 EnviroForensics.com	Project
	6403

Date:	6/7/23
Designed:	EB
Drawn:	EB
Checked:	NH
DWG file:	6403-0794

Josie M. Schultz

Hydrogeologist – Northeast Region Remediation and Redevelopment Team

Wisconsin Department of Natural Resources

110 S. Neenah Avenue, Sturgeon Bay, WI 54235

Cell Phone: 920-366-5685

Josie.Schultz@Wisconsin.gov



dnr.wi.gov

