



August 23, 2023

Ms. Josie Schultz
Wisconsin Department of Natural Resources
2984 Shawano Avenue
Green Bay, Wisconsin 54313

SUBJECT: STATUS UPDATE REPORT
The Solberg Company – PVOC
1520 Brookfield Avenue
Village of Howard, Wisconsin
CLSE Project Number: E2305.27
BRRTS Number: 03-05-588286

Dear Ms. Schultz,

Attached is a Status Update summarizing the most recent round of groundwater sampling at The Solberg Company – PVOC, located at 1520 Brookfield Avenue in the Village of Howard, Wisconsin.

Sincerely yours,

CAROW LAND SURVEYING & ENVIRONMENTAL

A handwritten signature in blue ink that reads "Brian Youngwirth".

Brian Youngwirth, P.G.
Senior Geologist

A handwritten signature in blue ink that reads "Lynn M. Bradley".

Lynn M. Bradley
Environmental Project Manager

c: Mr. Mitch Hubert (Perimeter Solutions)
Ms. Pamela Havelka-Rivard (Perimeter Solutions)
File



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THE SOLBERG COMPANY – PVOC**

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INTRODUCTION

General

This report presents a summary of the findings and conclusions of the most recent groundwater sampling round performed by Carow Land Surveying & Environmental (CLSE) at The Solberg Company – PVOC located at 1520 Brookfield Avenue in the Village of Howard, Brown County, Wisconsin (Site) since General Engineering Company's (GEC) submittal of the most recent Status Update (GEC, September 26, 2022). It should be noted that CLSE was retained to perform the remainder of the site investigation activities on June 27, 2023. The activities were performed at the request and authorization of Mr. Craig McDonnell, the Vice President of Perimeter Solutions (formerly The Solberg Company), the responsible party (RP) for the release.

Purpose

The purpose of the performed investigation activities was to further evaluate the degree, extent, and stability of petroleum contaminated groundwater that occurred as a result of a spill during the transfer of petroleum product from the current underground storage tank (UST) system to the fire suppression testing building.

Scope

The scope of the investigation activities included: collection of one round of groundwater samples from monitoring wells MW-1, MW-2, MW-3, MW-4, MW-9, MW-10, MW-11, and the tank sump, laboratory analysis of the groundwater samples, data analysis, and preparation of this report. It should be noted that the sampled monitoring wells with the exception of the tank system sump were installed during the site investigation for a prior, closed leaking underground storage tank (LUST) at the same location as this case and on-going per-and polyfluoroalkyl substances (PFAS) case. The investigation activities were structured specifically to address the presence of gasoline related compounds associated with the current Site operations. The testing should not be considered an all-inclusive search for hazardous substances across the Site.

SITE FEATURES AND BACKGROUND

Site Features

The Site is an approximate 10-acre parcel of land (Parcel Number VH-3175) owned by Perimeter Solutions, LP. The Site is located at 1520 Brookfield Avenue in the Village of Howard, Brown County, Wisconsin, and is situated on the east side of Brookfield Avenue, approximately ½ mile south of County Road M (Lineville Road) within the northwest ¼ of the southeast ¼ of Section 3, Township 24 North, Range 20 East. A Site Location Map is included as Figure 1 in Appendix A.

The Site is currently developed with two buildings including an office/warehouse located on the western portion of the Site parcel, and a building utilized to perform fire suppression testing located on the east central portion of the Site, with a small attached mechanical building contiguous to the east side of the testing building. An underground oil/water separator tank system is located just east of the mechanical building. A Site Plan Map is included as Figure 2, Appendix A.

After completion of the fire suppression testing exercises within the testing building, unused gasoline and fluids are collected in a floor drain that is piped below grade to the east of the building into a below grade oil/water separator system. The oil/water separator system is comprised of 3 USTs including a central 3 section oil/water tank with weirs to separate petroleum products and water, a northern product collection tank, and a southern water storage tank. The product tank is generally filled annually, and the product is removed and recycled. The

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water tank is pumped into an onsite tank, where it is treated and shipped out for proper disposal by Perimeter Solutions.

The surface of the Site is relatively flat and slopes slightly down toward the east/southeast. Lake Michigan, is located approximately 1 mile southeast of the Site. The surface of the Site is covered primarily by grass, with asphalt and parking areas present south of the office building. An asphalt drive also extends from the parking area toward the east/northeast to the south side of the fire suppression testing building. A storm water detention pond is located along the southeastern end of the Site. Overgrown vegetation is present on the far eastern portion of the Site and along the northern boundary of the Site.

The Site parcel is bordered to the north and east by vacant land and residential properties, to the south by commercial property followed by vacant agricultural land, and to the west by Brookfield Avenue, across which are commercial and residential properties.

According to a review of the Wisconsin Department of Natural Resources (WDNR) Well Construction Information System, there may be several potable wells within 1,200 feet of the Site; however, the petroleum groundwater contamination that exceeds the Wisconsin Administrative Code (WAC) NR 140 enforcement standards (ES) appears to be confined to the Site. Groundwater contamination exceeding the WAC NR 140 preventive action limit (PAL) appears to extend onto the northern adjoining property. Based on the current information, further evaluation of area potable wells is not anticipated for the petroleum case at the Site.

There does not appear to be the potential for impacts to threatened or endangered species; sensitive species, habitat, or ecosystems; wetlands; outstanding or exceptional resource waters; or sites of historical or archaeological significance. The immediate response actions discussed below were performed as a result of the spill.

Background

Valley Environmental Response LLC (VER) was contracted by the Solberg Company/Perimeter Solutions to respond to and clean up impacts from a gasoline spill resulting from a line failure while transferring gasoline from the Site product UST into the Site testing building. According to VER's Spill Report, dated August 18, 2021, it was estimated that approximately 300-gallons of gasoline mixed with water spilled onto the ground north and west of the concrete pad located above the gasoline UST, and ran over ground to the west, toward the Site building, and to the south around the edge of the concrete pad where it soaked into the ground surface. The tank area is surrounded by concrete bumper guards. VER dispatched to the Site on May 13, 2021, to evaluate the situation, surrounded the spill location with petroleum absorbent boom and determined the resources that would be necessary to properly respond to the release. On May 19th through the 27th, 2021, VER mobilized staff to the Site to complete the response actions associated with the gasoline spill, which included spill containment, surface cleaning efforts, and the remedial excavation activities discussed below.

It should be noted that this Site is also the location of a previously closed gasoline release identified as WDNR BRRTS No. 03-05-584180 The Solberg Co.; and that an active site investigation is underway at the Site associated with a release of PFAS, the Solberg Co – Site 2, WDNR BRRTS No. 02-05-587486. Information for both can be reviewed on the WDNR database.

As indicated in VER's Spill Report, on May 19th, 21st, 22nd, 26th and 27th, 2020, as directed by the WDNR, Northeast Region Spills Coordinator, Maizie Reif, gasoline impacted soil was assessed and excavated until there was no remaining evidence of the presence of gasoline in the samples, with the exception of the location just north of the UST system within the concrete bumpers at sample location SS-4, where excavation to groundwater occurred. The majority of the shallow soils in the location of the spill were assessed by using visual and olfactory evidence, by field screening soils utilizing a photoionization detector (PID). Thirteen soil samples (S-1 to S-13) were collected for PID confirmation sampling. Soil screening results are provided in Table A.2.1, Appendix B. The samples just north of the UST system, where the vast majority of the gasoline and water pooled during the spill, were also assessed by soil analytical sampling conducted from the sidewalls and bottom of the excavation

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(SS-1 to SS-4). It was apparent during excavation in this location that complete excavation of impacted soils could not be completed.

The excavation limits reportedly extended north of the concrete pad located over the UST system, beyond the bumpers (approximately 20 feet north of the concrete), west to the site building (approximately 65 feet), south to the south side of the concrete pad where fuel had migrated during the spill (approximately 12 inches wide along the south side of the pad); and to a depth of approximately 18 inches below ground surface (bgs). The Estimated Limits of the Remedial Excavation and the Confirmation Soil Sampling Locations are shown on Figure 4, Appendix A.

The 4 soil samples were laboratory analyzed for the presence of petroleum volatile organic compounds (PVOOCs) and naphthalene. The soil samples collected at SS-1 to SS-3 did not report detectable concentration of PVOOCs or naphthalene. The soil sample collected at SS-4 from the bottom of the excavation, between the concrete pad and the bumpers, at the groundwater interface, identified PVOOCs exceeding both the WAC NR 720 soil to groundwater pathway and/or cancer and direct contact (benzene and ethylbenzene) residual contaminant levels (RCLs). Specifically, the soil sample reported concentrations of benzene (10,800 micrograms per kilogram ($\mu\text{g}/\text{kg}$)), ethylbenzene (9,600 $\mu\text{g}/\text{kg}$), naphthalene (3,400 $\mu\text{g}/\text{kg}$), toluene (24,300 $\mu\text{g}/\text{kg}$), total trimethylbenzenes (29,100 $\mu\text{g}/\text{kg}$), and total xylenes (48,600 $\mu\text{g}/\text{kg}$). A table summarizing the analytical results is provided in Table A.2.2, Appendix B.

Due to the known presence of PFAS at the Site from The Solberg Co – Site 2, WDNR BRRS # 02-05-587486, the WDNR reportedly did not require PFAS soil sample analysis associated with this spill. A profile sample was collected for soil disposal and due to the presence of PFAS, soils were required to be disposed of as impacted with both gasoline and PFAS.

In total, approximately 94 tons of gasoline and PFAS impacted soil, was excavated and disposed of at Waste Management's Columbia Ridge Landfill. Additionally, three cubic yard boxes of gasoline and PFAS impacted absorbents and plastic was disposed of at Waste Management's Columbia Ridge Landfill.

A new case was subsequently opened by the WDNR on August 27, 2021, and GEC was retained to perform the site investigation activities. As indicated previously, the monitoring wells sampled as part of this investigation were previously installed during the initial LUST case (MW-1, MW-2, and MW-3) and the on-going PFAs case (MW-9, MW-10, and MW-11). The soil boring and monitoring wells are shown on Figure 3, Appendix A. Due to their proximity to the LUST case, PFAS monitoring wells MW-4, MW-5, MW-6, MW-7, MW-8, and piezometer PZ-1 were also utilized in the groundwater flow calculations.

One round of groundwater samples was collected from monitoring wells MW-1, MW-2, MW-3, MW-11, and the tank sump during the initial sampling round on May 13, 2022, and one round of groundwater samples was collected from MW-1, MW-2, MW-3, MW-9, MW-10, MW-11 and the tank sump during the second sampling round on July 12, 2022.

During the sampling round on May 13, 2022, the groundwater samples collected from monitoring well MW-1 and the tank sump reported benzene at concentrations of 43 micrograms per liter ($\mu\text{g}/\text{L}$) and 21.7 $\mu\text{g}/\text{L}$, respectively, which exceed its WAC NR 140 ES of 5 $\mu\text{g}/\text{L}$. The groundwater samples from MW-1 and the tank sump also contained a few other PVOOCs and naphthalene at concentrations exceeding their respective WAC 140 preventive action limits (PALs). The groundwater sample collected from down-gradient monitoring well MW-11 reported benzene at a concentration exceeding its WAC NR 140 PAL. The groundwater samples collected from MW-2 and MW-3 did not report detectable concentrations of PVOOCs or naphthalene.

During the groundwater sampling round performed on July 12, 2022, the groundwater sample collected from MW-1 reported benzene at a concentration of 22.9 $\mu\text{g}/\text{L}$, which exceeds its WAC NR 140 ES. The sample also reported a few other PVOOCs and naphthalene exceeding their respective WAC NR 140 PALs. The groundwater samples collected from down-gradient monitoring wells MW-9 and MW-11 and up-gradient monitoring well MW-2 reported benzene concentrations exceeding its WAC NR 140 PAL. The groundwater samples collected from

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MW-3, MW-10, and the tank sump did not report detectable concentrations of PVOCs or naphthalene. The results of the chemical analyses of the groundwater samples are summarized in Table A.1 in Appendix B. GEC submitted a Status Update to the WDNR (GEC, September 26, 2022), which recommended the performance of two additional rounds of groundwater sampling. The groundwater sampling round discussed herein was subsequently performed.

FIELD ACTIVITIES AND PROCEDURES

Scope Summary

The planned scope of services included the performance of one round of groundwater sampling from selected monitoring wells, which included MW-1, MW-2, MW-3, MW-4, MW-9, MW-10, MW-11, and the tank sump. The groundwater sampling round was performed in conjunction with a PFAS sampling round from all of the Site and off-site monitoring wells. The groundwater samples were submitted for laboratory analysis for the presence of PVOCs and naphthalene.

GROUNDWATER MONITORING ACTIVITIES

Groundwater Sampling

One round of groundwater samples was collected from monitoring wells MW-1, MW-2, MW-3, MW-4, MW-9, MW-10, MW-11 and the tank sump on July 24, 2023. The groundwater samples were collected by purging 4 well volumes from each monitoring well utilizing dedicated pumps and tubing with the exception of the tank sump, which was purged with a bailer.

Groundwater samples submitted for PVOC and naphthalene analysis were transferred into a laboratory prepared 40-milliliter vials containing hydrochloric acid preservative. The sample containers were immediately placed on ice and standard chain-of-custody procedures were initiated. The groundwater samples were submitted to Synergy Environmental Laboratory in Appleton, Wisconsin.

Groundwater Well Elevations

It should be noted that only groundwater monitoring wells MW-1, MW-2, MW-3, MW-4, MW-9, MW-10, and MW-11 have been sampled for the current LUST case; however, water elevation data from the other PFAs monitoring wells (MW-5 to MW-8 and PZ-1) that are in relatively close proximity to the release are also being utilized in the groundwater elevation discussion below.

Groundwater level measurements were performed at MW-1 to MW-3 during the previous LUST sampling rounds on December 13th, 2019, March 24th, 2020, June 11th, 2020, and October 12th, 2020, prior to closure of the original LUST case. Groundwater level measurements were also performed and at MW-1 to MW-3, and MW-11 on May 13, 2022, and MW-1 to MW-11 on June 2nd, 2021, July 12, 2022, and July 24, 2023. Static groundwater levels have ranged from 2.32 feet below top of casing (TOC) at MW-6 (EL. 587.58) on June 2nd, 2021, to 7.46 feet below TOC at MW-10 (EL. 582.95) on July 24, 2023. Groundwater elevations ranged from EL. 582.95 at MW-10 on July 24, 2023, to EL 588.02 at MW-1 on November 26th, 2019. The water elevation at PZ-1 was EL. 586.52, EL. 586.37, and EL. 584.51 during the June 2nd, 2021, July 12, 2022, and July 24, 2023 sampling rounds, respectively, below the elevations of EL. 586.90 at MW-3 on June 2nd, 2021, EL. 586.47 on July 12, 2022, and EL. 584.69 on July 24, 2023. Groundwater elevation data is summarized on Table A.6 in Appendix B. Based on the groundwater elevations from the monitoring wells in the immediate vicinity of the LUST case (MW-1 to MW-11), the groundwater flow appears to range from the northwest to the northeast. Vertical groundwater flow appears to be slightly downward. Long term monitoring of the groundwater monitoring wells would be necessary to further evaluate the groundwater elevations and flow direction. A groundwater elevation contour and flow direction map for July 24, 2023 is provided in Figure 5, Appendix A.

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FIELD AND ANALYTICAL TESTING RESULTS

Groundwater Quality Standards

The ES and PAL are groundwater quality standards, which have been established in NR140 of the WAC. These standards are referenced when evaluating the need for further study or remedial activities. The PAL is the more stringent guideline, in terms of being lesser in magnitude than the ES but will typically require less response action when exceeded. The required action is determined by WDNR regulations, based on various site-specific considerations.

Laboratory Groundwater Results

During the sampling round on July 24, 2023, the groundwater samples collected from monitoring well MW-1 and the tank sump reported benzene at concentrations of 11.2 µg/L and 23.8 µg/L, which exceed its WAC NR 140 ES of 5 µg/L. The groundwater samples collected from MW-1 and the tank sump also reported concentrations of total trimethylbenzenes and naphthalene (MW-1) at concentrations exceeding their respective WAC NR 140 PALs. The groundwater samples collected from down-gradient monitoring wells MW-9 and MW-11 reported benzene concentrations exceeding its WAC NR 140 PAL. The groundwater samples collected from MW-2, MW-3, MW-4, and MW-10 did not report detectable concentrations of PVOCs or naphthalene.

The results of the chemical analyses of the groundwater samples are summarized in Table A.1 in Appendix B. Laboratory analytical results and chain-of-custody forms are included in Appendix C.

CONCLUSIONS

Based on the prior spill response and soil removal activities performed by VER, the extent of soil contamination appears to have been adequately defined and no further soil testing regarding petroleum compounds appears to be warranted. Additionally, the most highly impacted soils have been removed to the depth of groundwater to the extent practicable.

With regard to vapor, considering the nature of testing that occurs with the fire suppression testing building, it does not appear that a vapor investigation is warranted since gasoline is dispensed and ignited in the testing building on a regular basis.

Based on the groundwater testing results, it appears that groundwater with relatively low benzene concentrations exceeding the WAC NR 140 ES extends from the near the current UST system and sump location in the area of the primary spill in the groundwater flow direction toward the north/northwest/northeast, at least as far as MW-1, but not as far as down-gradient monitoring wells MW-9 and MW-11, where only the WAC 140 PAL for benzene has been exceeded. It is probable that groundwater contamination with contaminant concentrations exceeding the WAC NR 140 PAL extend onto the northern adjoining property.

It is recommended that one additional round of quarterly groundwater sampling be performed during October of 2023. If similar results are observed, it is recommended that a Site Investigation Report and Closure Request be submitted. A Cap Maintenance Plan will be required at the time of case closure due to the isolated area of soils exceeding the WAC NR 720 soil to groundwater RCLs and direct contact RCLs in the immediate vicinity of SS-4. Since at least 18-inches of clean fill is present overlying the contaminated soils at this location and the plume appears to be stable under the current cap conditions, the soils currently overlying the contaminated soils near SS-4 are planned to be utilized as the cap.

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Village of Howard, Wisconsin

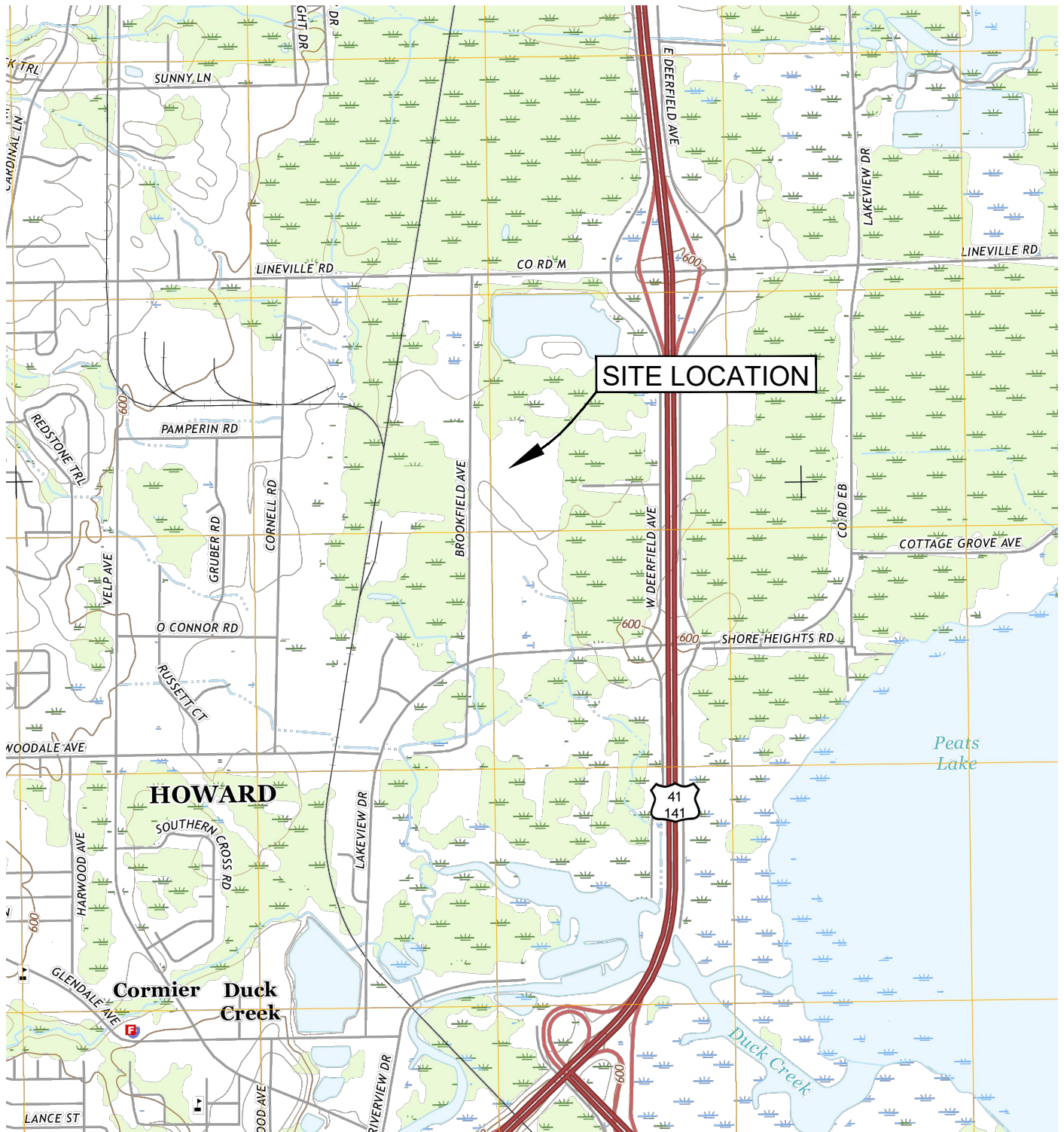
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GENERAL COMMENTS

The investigative activities have been conducted in a manner consistent with that level of care ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions. The findings, recommendations and opinions contained herein have been promulgated in accordance with generally accepted practice in similar fields. No other representations expressed or implied, and no warranty or guarantee is included or intended in this report.

The conclusions presented in this report were formulated from the data obtained during the course of exploratory work on the site, which may result in a redirection of conclusions and interpretations where new information is obtained. The regulatory climate and interpretation may also influence the outcome of the environmental investigation for this site. The information contained in this report may have an effect on the value of the property and is considered confidential. Copies of this report will be submitted to others only with authorization from the client.

APPENDIX A
FIGURES



GREEN BAY WEST QUADRANGLE
 BROWN COUNTY WISCONSIN
 7.5 MINUTE SERIES

0 1000' 2000'

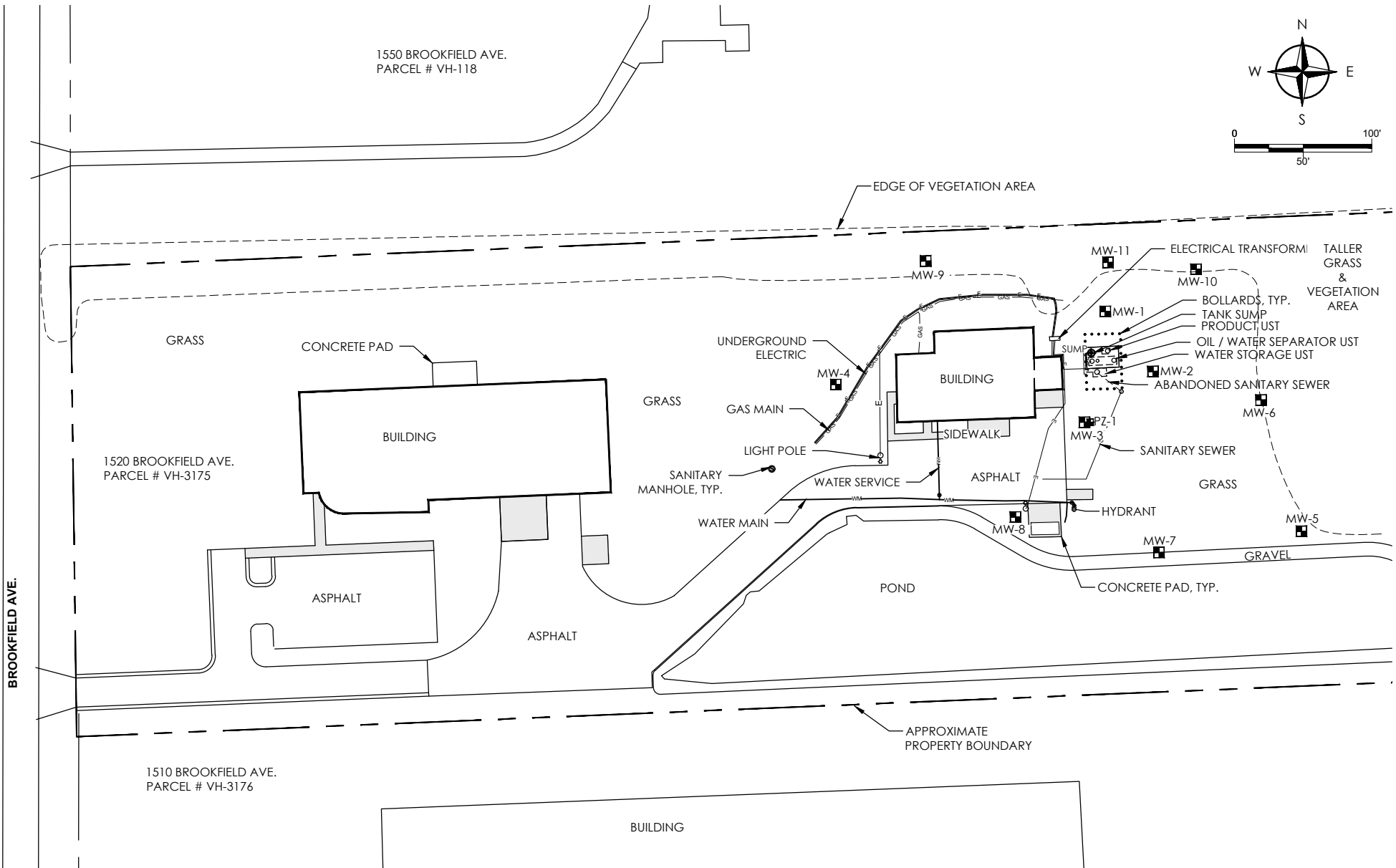

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 PHONE: (920) 731-4168
 N5841 STATE HIGHWAY 47/55, SHAWANO, WI 54166
 PHONE: (715) 526-3638

SITE LOCATION MAP

THE SOLBERG COMPANY - PVOC
1520 BROOKFIELD AVE.
VILLAGE OF HOWARD
BROWN COUNTY, WI

DATE	AUG 2023
FILE NO.	E2305.27
DRAWN BY	KSP
REVIEWED BY	BLY
FIGURE 1	



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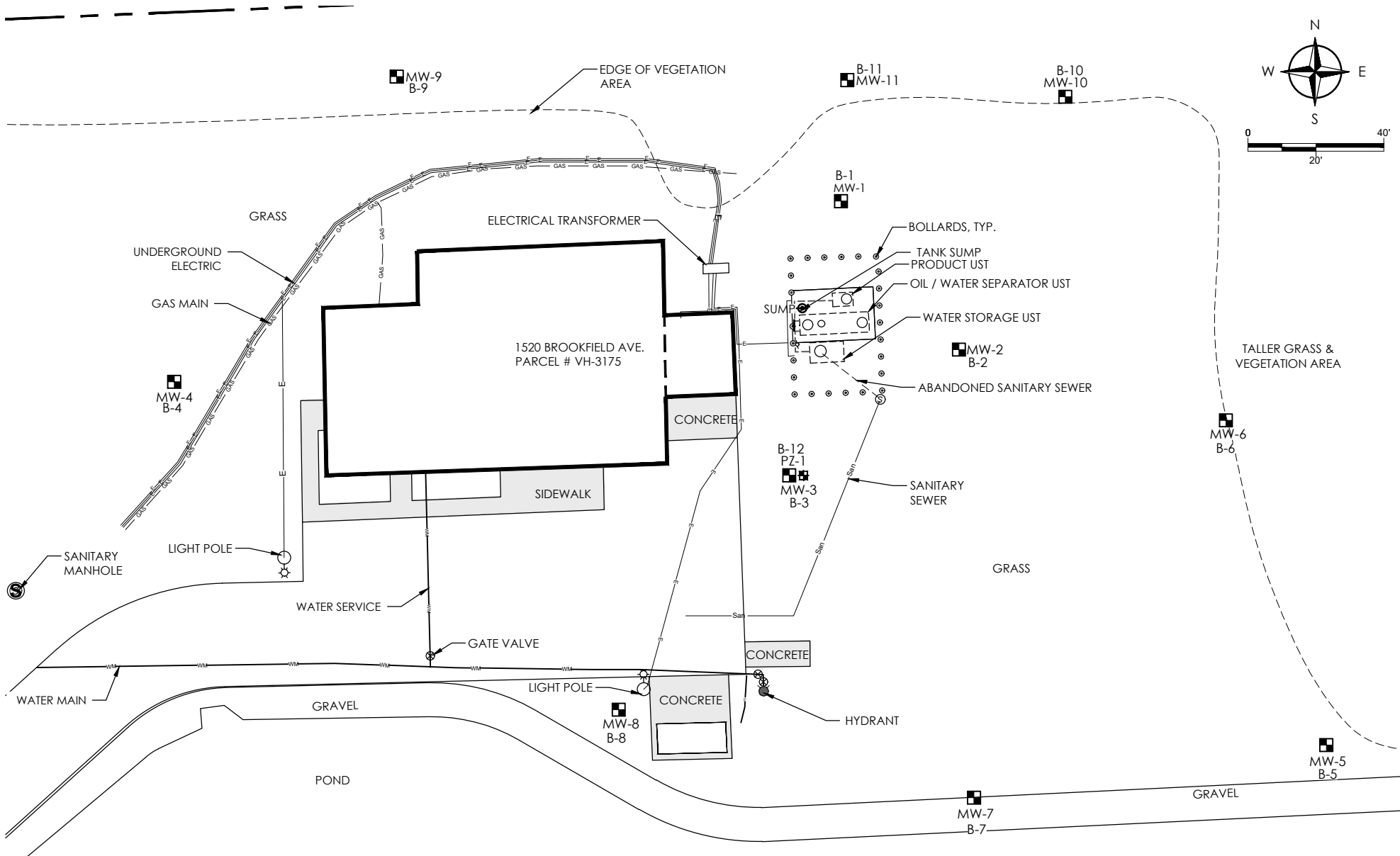
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 PHONE: (920) 731-4168
 N5841 STATE HIGHWAY 47/55, SHAWANO, WI 54166
 PHONE: (715) 526-3638

LEGEND	
MW-2	MONITORING WELL
PZ-1	PIEZOMETER
	TANK SUMP

SITE PLAN MAP

THE SOLBERG COMPANY - PVOC
1520 BROOKFIELD AVE.
VILLAGE OF HOWARD
BROWN COUNTY, WI

DATE	AUG 2023
FILE NO.	E2305.27
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FIGURE 2	



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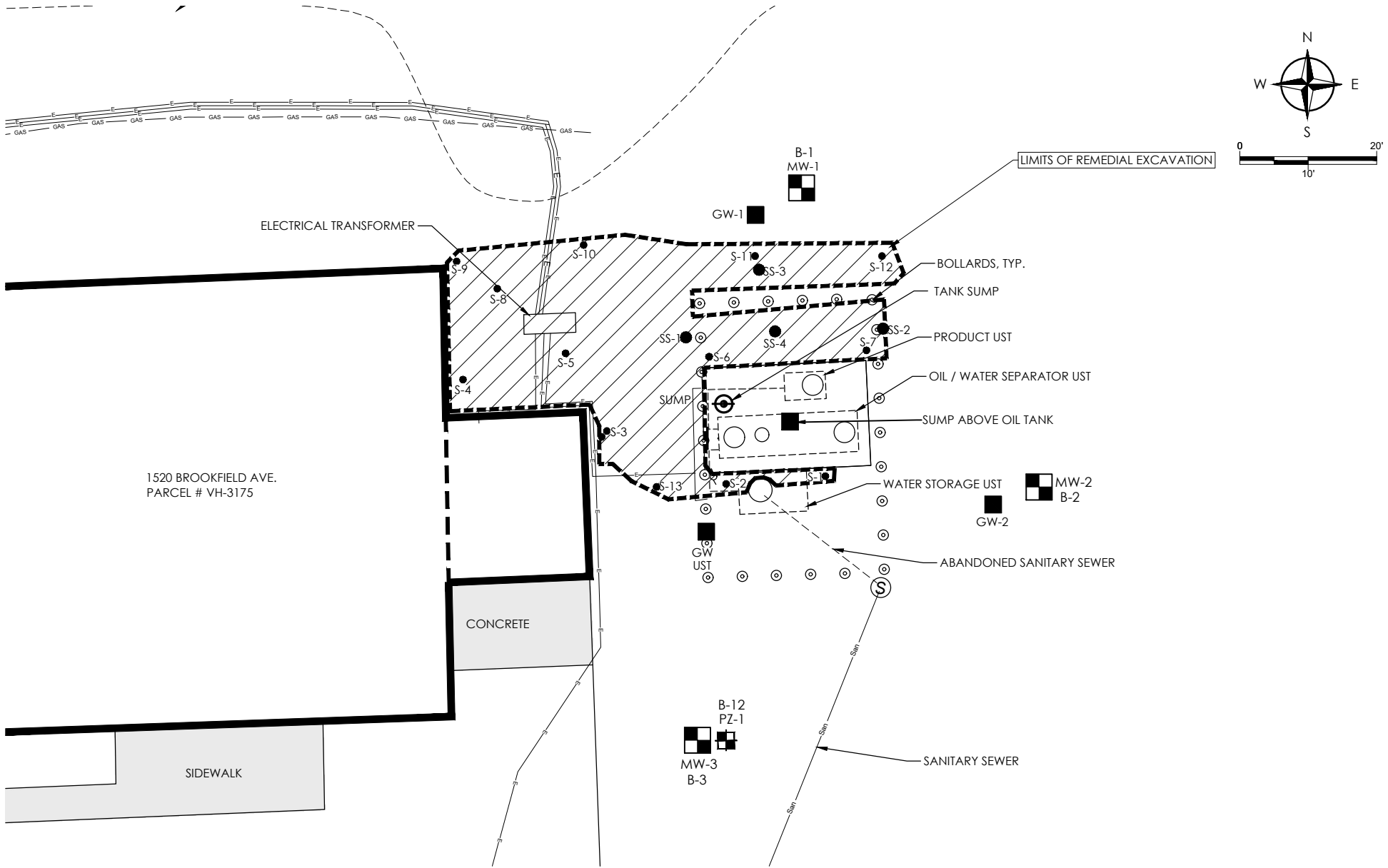
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LEGEND	
MW-2 B-2	SOIL BORING & MONITORING WELL
PZ-1	PIEZOMETER
⊕	TANK SUMP

SOIL BORING AND MONITORING WELL LOCATION MAP

THE SOLBERG COMPANY - PVOC
1520 BROOKFIELD AVE.
VILLAGE OF HOWARD
BROWN COUNTY, WI

DATE	AUG 2023
FILE NO.	E2305.27
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FIGURE 3	



1520 BROOKFIELD AVE.
PARCEL # VH-3175

CONCRETE

SIDEWALK

LIMITS OF REMEDIAL EXCAVATION

B-1
MW-1

GW-1

BOLLARDS, TYP.

TANK SUMP

PRODUCT UST

OIL / WATER SEPARATOR UST

SUMP ABOVE OIL TANK

WATER STORAGE UST

GW-2

MW-2
B-2

ABANDONED SANITARY SEWER

B-12
PZ-1
MW-3
B-3

SANITARY SEWER

LEGEND

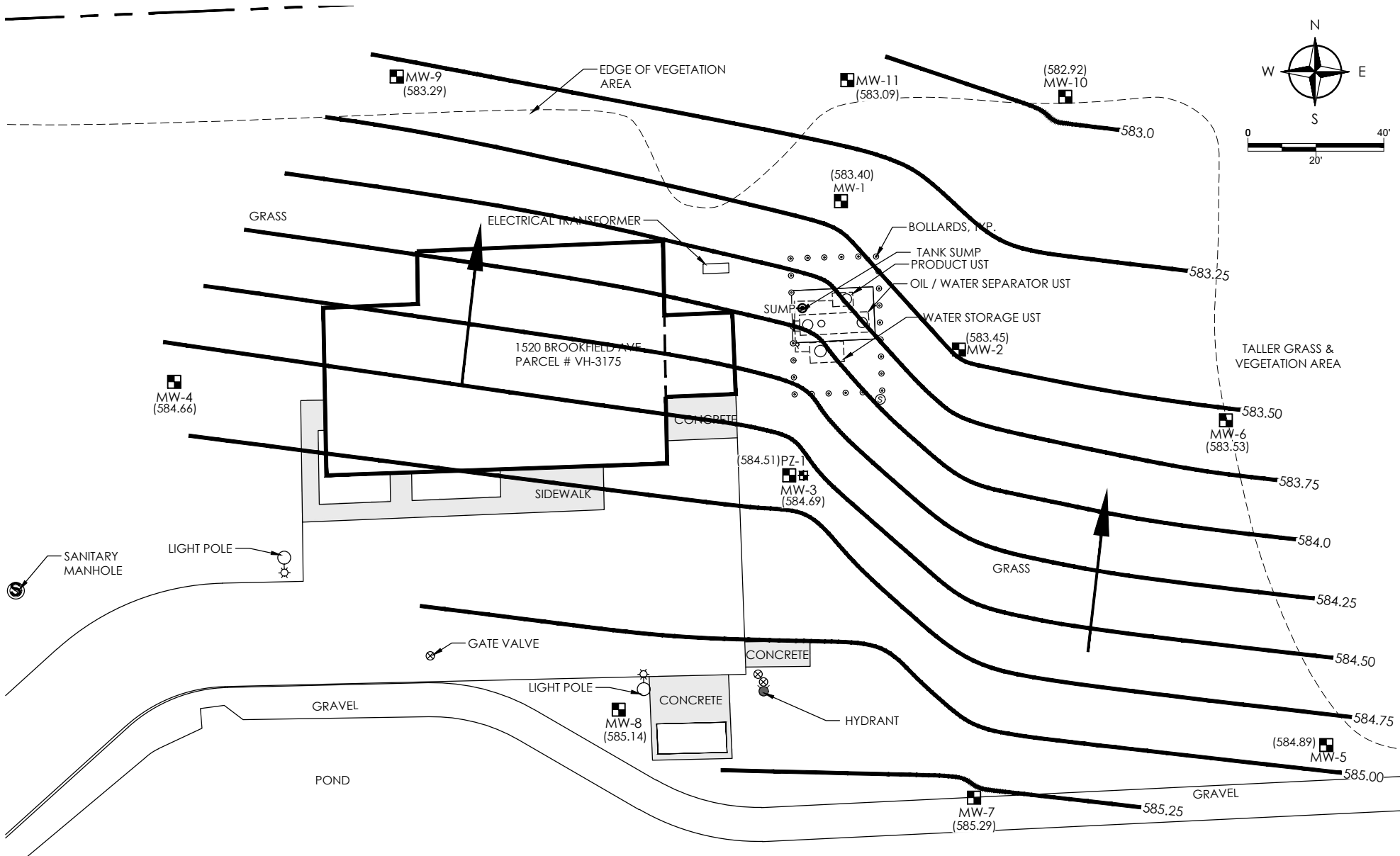
- B-2 MW-3 SOIL BORING / MONITORING WELL
- PZ-1 PIEZOMETER
- TANK SUMP
- S-8 PID SAMPLE
- SS-8 LABORATORY SOIL SAMPLE
- GW-3 TEST PIT GROUNDWATER SAMPLE

**ESTIMATED EXTENT OF REMEDIAL EXCAVATION AND
CONFIRMATION SOIL SAMPLE LOCATION MAP**
THE SOLBERG COMPANY - PVOC
1520 BROOKFIELD AVE.
VILLAGE OF HOWARD
BROWN COUNTY, WI

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FIGURE 4



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LEGEND	
MW-2	MONITORING WELL
PZ-1	PIEZOMETER
	TANK SUMP
	FLOW DIRECTION

GROUNDWATER ELEVATION CONTOURS AND FLOW DIRECTION MAP - JULY 24, 2023
THE SOLBERG COMPANY - PVOC
1520 BROOKFIELD AVE.
VILLAGE OF HOWARD
BROWN COUNTY, WI

DATE	AUG 2023
FILE NO.	E2305.27
DRAWN BY	KSP
REVIEWED BY	BLY
FIGURE 5	

APPENDIX B
TABLES

TABLE A.1 (Continued)
GROUNDWATER ANALYTICAL TABLE
THE SOLBERG COMPANY - PVOC -1520 BROOKFIELD AVENUE, VILLAGE OF HOWARD, WISCONSIN
CLSE PROEJCT NO. E2305.27

Monitoring Well	NR 140		GW-1	GW-2	GW-3	GW UST	MW-1						
	ES	PAL	6/27/2019	6/26/2019	6/27/2019	6/26/2019	12/13/2019	3/24/2020	6/11/2020	10/12/2020	5/13/2022	7/12/2022	7/24/2023
PETROLEUM VOLATILE ORGANIC COMPOUNDS (PVOC) (µg/L)													
Benzene	5	0.5	<0.32	<0.32	<0.32	95	<i>1.54</i>	<i>0.88J</i>	<i>0.77J</i>	2.25	43	22.9	11.2
Ethylbenzene	700	140	<0.29	<0.29	<0.29	305	<0.29	<0.55	<0.55	102	155	340	106
Methyl tert-butyl ether	60	12	<0.24	<0.24	<0.24	<12	<0.24	<0.71	<0.71	<0.47	<0.4	<4.7	<0.45
Naphthalene	100	10	<1.3	<1.3	<1.3	186J	<1.3	NA	NA	11.4	29.5	67	50
Toluene	800	160	<0.29	<0.29	<0.29	1,380	<0.29	<0.62	<0.62	3.8	116	109	2.29
1,2,4 -Trimethylbenzene	480	96	<0.46	<0.46	<0.46	840	<0.46	<0.71	<0.71	118	181	370	247
1,3,5 -Trimethylbenzene			<0.67	<0.67	<0.67	226	<0.67	<0.66	<0.66	14.6	22.5	72	43
Xylenes, -m, -p	2,000	400	<1.22	<1.22	<1.22	3,210	<1.22	<2.04	<2.04	80.5	464	1,560	119
Xylenes, -o			<1.22	<1.22	<1.22	3,210	<1.22	<2.04	<2.04	80.5	464	1,560	119

ES = Enforcement Standard

PAL = Preventive Action Limit

µg/L = micrograms per liter

NA = Parameter not analyzed

NE = NR 140 ES not established

J = Analyte detected above laboratory limit of detection but below limit of quantitation.

Bold indicates analytical results above NR 140 ES

Italic indicated analytical results above NR 140 PAL

TABLE A.1 (Continued)
GROUNDWATER ANALYTICAL TABLE
THE SOLBERG COMPANY-PVOC - 1520 BROOKFIELD AVENUE, VILLAGE OF HOWARD, WISCONSIN
CLSE PROJECT NO. E2305.27

Monitoring Well	NR 140		MW-2							MW-3						
	ES	PAL	12/13/2019	3/24/2020	6/11/2020	10/12/2020	5/13/2022	7/12/2022	7/24/2023	12/13/2019	3/24/2020	6/11/2020	10/12/2020	5/13/2022	7/12/2022	7/24/2023
PETROLEUM VOLATILE ORGANIC COMPOUNDS (PVOC) (µg/L)																
Benzene	5	0.5	<0.32	<0.48	<0.48	2.27	<0.3	0.57J	<0.31	<0.32	<0.48	<0.48	<0.33	<0.37	<0.3	<0.31
Ethylbenzene	700	140	<0.29	<0.55	<0.55	51	<0.33	<0.39	<0.33	<0.29	<0.55	<0.55	<0.32	<0.39	<0.33	<0.33
Methyl tert-butyl ether	60	12	<0.24	<0.71	<0.71	<0.47	<0.47	<0.4	<0.45	<0.24	<0.71	<0.71	<0.47	<0.4	<0.47	<0.45
Naphthalene	100	10	<1.3	NA	NA	1.95J	<1.4	<1.11	<1	<1.3	NA	NA	<1.1	<1.11	<1.4	<1
Toluene	800	160	<0.29	<0.62	<0.62	<0.26	<0.33	<0.53	<0.41	0.46J	<0.62	<0.62	<0.26	<0.53	<0.33	<0.41
1,2,4 -Trimethylbenzene	480	96	<0.46	<0.71	<0.71	0.96	<0.35	<0.36	<0.39	<0.46	<0.71	<0.71	<0.3	<0.36	<0.35	<0.39
1,3,5 -Trimethylbenzene			<0.67	<0.66	<0.66	<0.32	<0.41	<0.47	<0.29	<0.67	<0.66	<0.66	<0.32	<0.47	<0.41	<0.29
Xylenes, -m, -p	2,000	400	<1.22	<2.04	<2.04	<1.48	<1.01	<1.44	<1.14	<1.22	<2.04	<2.04	<1.48	<1.44	<1.01	<1.14
Xylenes, -o			<1.22	<2.04	<2.04	<1.48	<1.01	<1.44	<1.14	<1.22	<2.04	<2.04	<1.48	<1.44	<1.01	<1.14

ES = Enforcement Standard
PAL = Preventive Action Limit
µg/L = micrograms per liter
NA = Parameter not analyzed
NE = NR 140 ES not established
J = Analyte detected above laboratory limit of detection but below limit of quantitation.
Bold indicates analytical results above NR 140 ES
Italic indicated analytical results above NR 140 PAL

TABLE A.1 (Continued)
GROUNDWATER ANALYTICAL TABLE
THE SOLBERG COMPANY-PVOC - 1520 BROOKFIELD AVENUE, VILLAGE OF HOWARD, WISCONSIN
CLSE PROJECT NO. E2305.27

Monitoring Well	NR 140		MW-4	MW-9		MW-10		MW-11			SUMP						
	ES	PAL	7/24/2023	7/12/2022	7/24/2023	7/12/2022	7/24/2023	12/13/2019	7/12/2022	7/24/2023	12/13/2019	3/24/2020	6/11/2020	10/12/2020	5/13/2022	7/12/2022	7/24/2023
PETROLEUM VOLATILE ORGANIC COMPOUNDS (PVOC) (µg/L)																	
Benzene	5	0.5	<0.31	2.9	1.52	<0.3	<0.31	4.6	2.97	1.72	23.4	37	37	<0.33	21.7	<0.3	23.8
Ethylbenzene	700	140	<0.33	<0.39	<0.33	<0.33	<0.33	6.6	4	13.1	35	45	131	8.6	44	<0.33	43
Methyl tert-butyl ether	60	12	<0.45	<0.4	<0.45	<0.47	<0.45	<0.4	<0.4	<0.45	<2.4	<0.71	<0.71	<0.47	<0.4	<0.47	<4.5
Naphthalene	100	10	<1	<1.11	<1	<1.4	<1	2.78J	<1.11	3.05J	15.8J	26.6	34	3.07J	16	<1.4	<10
Toluene	800	160	<0.41	<0.53	<0.41	<0.33	<0.41	1.22J	5.1	0.71J	6.8J	3.7	29.2	<0.26	37	<0.33	10.2J
1,2,4-Trimethylbenzene	480	96	<0.39	0.37J	<0.39	<0.35	<0.39	7.5	2.62	15	133	210	350	25.5	116	<0.35	138
1,3,5-Trimethylbenzene			<0.29	<0.47	<0.29	<0.41	<0.29	0.83J	<0.47	2.19	23	51	88	3.2	32	<0.41	30.5
Xylenes, -m, -p	2,000	400	<1.14	0.86J	0.5J	<1.01	<1.14	7.51	6.7	41.3	101.1	72	297	13.04	292	<1.01	142
Xylenes, -o																	

ES = Enforcement Standard
PAL = Preventive Action Limit
µg/L = micrograms per liter
NA = Parameter not analyzed
NE = NR 140 ES not established
J = Analyte detected above laboratory limit of detection but below limit of quantitation.
Bold indicates analytical results above NR 140 ES
Italic indicated analytical results above NR 140 PAL

TABLE A.2.1
SOIL SCREENING RESULTS TABLE
THE SOLBERG COMPANY - PVOC - 1520 BROOKFIELD AVENUE, VILLAGE OF HOWARD, WISCONSIN
CLSE PROJECT NO. E2305.27

Sample No.	S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8	S-9	S-10	S-11	S-12	S-13
Sampling Date	5/19/2021	5/19/2021	5/19/2021	5/19/2021	5/19/2021	5/19/2021	5/19/2021	5/19/2021	5/19/2021	5/19/2021	5/19/2021	5/19/2021	5/19/2021
PID (Instrument Units)	1.2	1.5	1.8	4.0	0.6	783	37.2	0.4	0.5	0.4	2.0	2.1	0.4
Sample Depth (inches)	5	6	6	10	10	12	12	10	4	4	12	14	4
Saturated (S)/Unsaturated (U)	U	U	U	U	U	U	U	U	U	U	U	U	U
PETROLEUM VOLATILE ORGANIC COMPOUNDS (PVOCs) (µg/kg)													
Benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes, -m, -p	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes, -o	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

J = Analyte detected above laboratory limit of detection but below limit of quantitation.

Bold indicates analytical results exceed NR 720 RCL

RCL = Residual Contaminant Level

DCL = Direct-Contact Levels

NA = Parameter not analyzed

NE = NR 720 RCL not established

PID = Photoionization Detector

TABLE A.2.2
SOIL ANALYTICAL RESULTS TABLE
THE SOLBERG COMPANY - PVOC - 1520 BROOKFIELD AVENUE, VILLAGE OF HOWARD, WISCONSIN
CLSE PROJECT NO. E2305.27

Sample No. Sampling Date PID (Instrument Units) Sample Depth (inches) Saturated (S)/Unsaturated (U)	WDNR NR 720 Non-Cancer Non-Industrial RCL	WDNR Cancer Non-Industrial RCL	WDNR NR 720 Non-Industrial Direct Contact RCL	WDNR NR 720 Soil to Groundwater RCL	SS-1	SS-2	SS-3	SS-4
					5/24/2021	5/24/2021	5/24/2021	5/24/2021
					3.0	8.9	4.3	1103
					10	10	12	18
					U	U	U	S
<i>VOLATILE ORGANIC COMPOUNDS (VOCs) (µg/kg)</i>								
Benzene	106,000	1,600	1,600	5.1	<25	<25	<25	10,800
Ethylbenzene	4,080,000	8,020	8,020	1570	<25	<25	<25	9,600
Methyl tert-butyl ether	22,100,000	63,800	63,800	27	<25	<25	<25	<25
Naphthalene	178,000	5,520	5,520	658.2	<25	<25	<25	3,400
Toluene	5,240,000	NE	818,000	1,107.2	<25	<25	<25	24,300
1,2,4-Trimethylbenzene	373,000	NE	219,000	1378.7	<25	<25	<25	22,400
1,3,5-Trimethylbenzene	339,000	NE	182,000		<25	<25	<25	6,700
Xylenes, -m, -p	818,000	NE	260,000	3960	<50	<50	<50	35,000
Xylenes, -o					<25	<25	<25	13,600

J = Analyte detected above laboratory limit of detection but below limit of quantitation.

Italics indicates analytical results exceeding NR 720 direct contact RCL

Bold indicates analytical results exceeding NR 720 soil to groundwater RCL

RCL = Residual Contaminant Level

DCL = Direct-Contact Levels

NA = Parameter not analyzed

NE = NR 720 RCL not established

PID = Photoionization Detector

**TABLE A.6
WATER LEVEL ELEVATIONS
THE SOLBERG COMPANY-PVOC - 1520 BROOKFILED AVENUE, VILLAGE OF HOWARD, WISCONSIN
CLSE PROJECT NO. E2305.27**

Monitoring Well Number	Top of Well Casing Elevation (MSL)	Ground Surface Elevation (MSL)	Screened Interval Elevation (MSL)	Date Measured	Depth To Water Below Top Of Casing (Ft.)	Groundwater Elevation (Ft.) (MSL)
MW-1	590.63	588.80	585.58	11/26/2019	2.61	588.02
				12/13/2019	2.70	587.93
			575.58	3/24/2020	2.65	587.98
				6/11/2020	2.68	587.95
				10/12/2020	6.48	584.15
				6/2/2021	4.12	586.51
				5/13/2022	4.55	586.08
				7/12/2022	5.12	585.51
				7/24/2023	7.23	583.40
				11/26/2019	3.01	587.83
MW-2	590.84	588.96	585.79	12/13/2019	3.03	587.81
				3/24/2020	3.00	587.84
			575.79	6/11/2020	3.06	587.78
				10/12/2020	6.69	584.15
				6/2/2021	3.85	586.99
				5/13/2022	4.85	585.99
				7/12/2022	5.24	585.60
				7/24/2023	7.39	583.45
				11/26/2019	3.01	587.87
				12/13/2019	3.03	587.85
MW-3	590.88	588.95	585.83	3/24/2020	3.00	587.88
				6/11/2020	3.06	587.82
			575.83	10/12/2020	6.69	584.19
				6/2/2021	3.98	586.90
				5/13/2022	4.35	586.53
				7/12/2022	4.41	586.47
				7/24/2023	6.19	584.69
				5/26/2021	3.65	586.28
				6/2/2021	3.12	586.81
				7/12/2022	3.66	586.27
7/24/2023	5.27	584.66				
MW-4	589.93	587.62	583.27			
			573.27			
MW-5	589.78	588.06	585.48	5/26/2021	2.94	586.84
			575.48	6/2/2021	2.65	587.13
				7/12/2022	3.10	586.68
				7/24/2023	4.89	584.89
MW-6	589.9	588.09	583.13	5/26/2021	3.12	586.78
			573.13	6/2/2021	2.32	587.58
				7/12/2022	3.19	586.71
				7/24/2023	6.37	583.53
MW-7	589.61	587.31	584.68	5/26/2021	2.95	586.66
			574.68	6/2/2021	2.85	586.76
				7/12/2022	3.09	586.52
				7/24/2023	4.32	585.29
MW-8	590.27	588.4	585.33	5/26/2021	4.06	586.21
			575.33	6/2/2021	3.49	586.78
				7/12/2022	3.79	586.48
				7/24/2023	5.13	585.14
MW-9	590.2	588.02	585.33	5/26/2021	5.01	585.19
			575.33	6/2/2021	4.08	586.12
				7/12/2022	4.91	585.29
				7/24/2023	6.91	583.29
MW-10	590.41	588.3	585.37	5/27/2021	5.69	584.72
			575.37	6/2/2021	3.84	586.57
				7/12/2022	4.73	585.68
				7/24/2023	7.46	582.95
MW-11	590.46	588.4	585.47	5/27/2021	5.30	585.16
			575.47	6/2/2021	4.21	586.25
				5/13/2022	4.55	585.91
				7/12/2022	5.06	585.40
				7/24/2023	7.37	583.09
PZ-1	590.92	588.56	566.47	5/27/2021	5.39	585.53
			561.47	6/2/2021	4.40	586.52
				7/12/2022	4.55	586.37
				7/24/2023	6.41	584.51

Elevations are referenced to Mean Sea Level (MSL).
ft = feet

APPENDIX C

**GROUNDWATER ANALYTICAL REPORTS AND
CHAIN-OF-CUSTODY DOCUMENTATION**

Synergy

Environmental Lab, Inc.

www.synergy-lab.net
 1990 Prospect Ct. • Appleton, WI 54914
 920-830-2455 • mrsynergy@wi.lwcbc.com

Chain # 44109
 Page 1 of 1

Sample Handling Request
 Push Analysis Date Required: _____
 (Pushes accepted only with prior authorization)
 Normal Turn Around

Lab I.D. # _____
 QUOTE #: _____
 Project #: _____
 Sampler: (signature) *Ben Oster*
 Project (Name / Location): *Ben Oster / Solberg / Green Bay*
 Reports To: *Ben Oster*
 Company: *CLSE Youngsquad*
 Address: _____
 City State Zip: _____
 Phone: *920 229 8600*
 Email: _____

Invoice To: _____
 Company: _____
 Address: _____
 City State Zip: *CLSE*
 Phone: _____
 Email: _____

Analysis Requested		Other Analysis	
<input type="checkbox"/>	DRO (Mod DRO Sep 95)	<input type="checkbox"/>	PID/ FID
<input type="checkbox"/>	GRO (Mod GRO Sep 95)	<input type="checkbox"/>	
<input type="checkbox"/>	LEAD	<input type="checkbox"/>	
<input type="checkbox"/>	NITRATE/NITRITE	<input type="checkbox"/>	
<input type="checkbox"/>	OIL & GREASE	<input type="checkbox"/>	
<input type="checkbox"/>	PAH (EPA 8270)	<input type="checkbox"/>	
<input type="checkbox"/>	PCB	<input type="checkbox"/>	
<input type="checkbox"/>	PVOC (EPA 8021)	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	PVOC + NAPHTHALENE	<input type="checkbox"/>	
<input type="checkbox"/>	SULFATE	<input type="checkbox"/>	
<input type="checkbox"/>	TOTAL SUSPENDED SOLIDS	<input type="checkbox"/>	
<input type="checkbox"/>	VOC DW (EPA 524.2)	<input type="checkbox"/>	
<input type="checkbox"/>	VOC (EPA 8260)	<input type="checkbox"/>	
<input type="checkbox"/>	VOC AIR (TO - 15)	<input type="checkbox"/>	
<input type="checkbox"/>	8-RCRA METALS	<input type="checkbox"/>	

Lab I.D.	Sample I.D.	Collection Date	Time	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation															
<i>SU2713A</i>	<i>MW-1</i>	<i>7/29/03</i>	<i>AM</i>	<i>N</i>	<i>2</i>	<i>GW</i>	<i>HEP</i>															
	<i>B</i>																					
	<i>C</i>																					
	<i>D</i>																					
	<i>E</i>																					
	<i>F</i>																					
	<i>G</i>																					
	<i>H</i>																					

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge, etc.)

Sample Integrity - To be completed by receiving lab.
 Method of Shipment: *Chivert*
 Temp. of Temp. Blank: _____ °C On Ice: *0*
 Cooler seal intact upon receipt: *Yes* Yes ___ No

Relinquished By: (sign) *Ben Oster* Time *3:45* Date *7/29/03*
 Received in Laboratory By: *John Clark* Time: *7:30* Date: *7/29/03*

Synergy Environmental Lab, LLC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

BRIAN YOUNGWIRTH
CAROW LAND SURVEYING CO., INC
615 N. LYNNDAL DRIVE
APPLETON, WI 54914

Report Date 09-Aug-23

Project Name SOLBERG/GREEN BAY
Project #

Invoice # E42713

Lab Code 5042713A
Sample ID MW-1
Sample Matrix Water
Sample Date 7/24/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	11.2	ug/l	0.31	1.17	1	GRO95/8021	8/4/2023	8/4/2023	ZJW	1
Ethylbenzene	106	ug/l	0.33	1.25	1	GRO95/8021	8/4/2023	8/4/2023	ZJW	1
Methyl tert-butyl ether (MTBE)	< 0.45	ug/l	0.45	1.75	1	GRO95/8021	8/4/2023	8/4/2023	ZJW	1
Naphthalene	50	ug/l	1	3.83	1	GRO95/8021	8/4/2023	8/4/2023	ZJW	1
Toluene	2.29	ug/l	0.41	1.57	1	GRO95/8021	8/4/2023	8/4/2023	ZJW	1
1,2,4-Trimethylbenzene	247	ug/l	0.39	1.5	1	GRO95/8021	8/4/2023	8/4/2023	ZJW	1
1,3,5-Trimethylbenzene	43	ug/l	0.29	1.1	1	GRO95/8021	8/4/2023	8/4/2023	ZJW	1
m&p-Xylene	58	ug/l	0.48	1.84	1	GRO95/8021	8/4/2023	8/4/2023	ZJW	1
o-Xylene	61	ug/l	0.66	2.54	1	GRO95/8021	8/4/2023	8/4/2023	ZJW	1

Project Name SOLBERG/GREEN BAY
Project #

Invoice # E42713

Lab Code 5042713B
Sample ID MW-2
Sample Matrix Water
Sample Date 7/24/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.31	ug/l	0.31	1.17	1	GRO95/8021		8/7/2023	ZJW	1
Ethylbenzene	< 0.33	ug/l	0.33	1.25	1	GRO95/8021		8/7/2023	ZJW	1
Methyl tert-butyl ether (MTBE)	< 0.45	ug/l	0.45	1.75	1	GRO95/8021		8/7/2023	ZJW	1
Naphthalene	< 1	ug/l	1	3.83	1	GRO95/8021		8/7/2023	ZJW	1
Toluene	< 0.41	ug/l	0.41	1.57	1	GRO95/8021		8/7/2023	ZJW	1
1,2,4-Trimethylbenzene	< 0.39	ug/l	0.39	1.5	1	GRO95/8021		8/7/2023	ZJW	1
1,3,5-Trimethylbenzene	< 0.29	ug/l	0.29	1.1	1	GRO95/8021		8/7/2023	ZJW	1
m&p-Xylene	< 0.48	ug/l	0.48	1.84	1	GRO95/8021		8/7/2023	ZJW	1
o-Xylene	< 0.66	ug/l	0.66	2.54	1	GRO95/8021		8/7/2023	ZJW	1

Lab Code 5042713C
Sample ID MW-3
Sample Matrix Water
Sample Date 7/24/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.31	ug/l	0.31	1.17	1	GRO95/8021		8/4/2023	ZJW	1
Ethylbenzene	< 0.33	ug/l	0.33	1.25	1	GRO95/8021		8/4/2023	ZJW	1
Methyl tert-butyl ether (MTBE)	< 0.45	ug/l	0.45	1.75	1	GRO95/8021		8/4/2023	ZJW	1
Naphthalene	< 1	ug/l	1	3.83	1	GRO95/8021		8/4/2023	ZJW	1
Toluene	< 0.41	ug/l	0.41	1.57	1	GRO95/8021		8/4/2023	ZJW	1
1,2,4-Trimethylbenzene	< 0.39	ug/l	0.39	1.5	1	GRO95/8021		8/4/2023	ZJW	1
1,3,5-Trimethylbenzene	< 0.29	ug/l	0.29	1.1	1	GRO95/8021		8/4/2023	ZJW	1
m&p-Xylene	< 0.48	ug/l	0.48	1.84	1	GRO95/8021		8/4/2023	ZJW	1
o-Xylene	< 0.66	ug/l	0.66	2.54	1	GRO95/8021		8/4/2023	ZJW	1

Lab Code 5042713D
Sample ID MW-4
Sample Matrix Water
Sample Date 7/24/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.31	ug/l	0.31	1.17	1	GRO95/8021		8/5/2023	ZJW	1
Ethylbenzene	< 0.33	ug/l	0.33	1.25	1	GRO95/8021		8/5/2023	ZJW	1
Methyl tert-butyl ether (MTBE)	< 0.45	ug/l	0.45	1.75	1	GRO95/8021		8/5/2023	ZJW	1
Naphthalene	< 1	ug/l	1	3.83	1	GRO95/8021		8/5/2023	ZJW	1
Toluene	< 0.41	ug/l	0.41	1.57	1	GRO95/8021		8/5/2023	ZJW	1
1,2,4-Trimethylbenzene	< 0.39	ug/l	0.39	1.5	1	GRO95/8021		8/5/2023	ZJW	1
1,3,5-Trimethylbenzene	< 0.29	ug/l	0.29	1.1	1	GRO95/8021		8/5/2023	ZJW	1
m&p-Xylene	< 0.48	ug/l	0.48	1.84	1	GRO95/8021		8/5/2023	ZJW	1
o-Xylene	< 0.66	ug/l	0.66	2.54	1	GRO95/8021		8/5/2023	ZJW	1

Project Name SOLBERG/GREEN BAY
Project #

Invoice # E42713

Lab Code 5042713E
Sample ID MW-9
Sample Matrix Water
Sample Date 7/24/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	1.52	ug/l	0.31	1.17	1	GRO95/8021		8/7/2023	ZJW	1
Ethylbenzene	< 0.33	ug/l	0.33	1.25	1	GRO95/8021		8/7/2023	ZJW	1
Methyl tert-butyl ether (MTBE)	< 0.45	ug/l	0.45	1.75	1	GRO95/8021		8/7/2023	ZJW	1
Naphthalene	< 1	ug/l	1	3.83	1	GRO95/8021		8/7/2023	ZJW	1
Toluene	< 0.41	ug/l	0.41	1.57	1	GRO95/8021		8/7/2023	ZJW	1
1,2,4-Trimethylbenzene	< 0.39	ug/l	0.39	1.5	1	GRO95/8021		8/7/2023	ZJW	1
1,3,5-Trimethylbenzene	< 0.29	ug/l	0.29	1.1	1	GRO95/8021		8/7/2023	ZJW	1
m&p-Xylene	0.50 "J"	ug/l	0.48	1.84	1	GRO95/8021		8/7/2023	ZJW	1
o-Xylene	< 0.66	ug/l	0.66	2.54	1	GRO95/8021		8/7/2023	ZJW	1

Lab Code 5042713F
Sample ID MW-10
Sample Matrix Water
Sample Date 7/24/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.31	ug/l	0.31	1.17	1	GRO95/8021		8/5/2023	ZJW	1
Ethylbenzene	< 0.33	ug/l	0.33	1.25	1	GRO95/8021		8/5/2023	ZJW	1
Methyl tert-butyl ether (MTBE)	< 0.45	ug/l	0.45	1.75	1	GRO95/8021		8/5/2023	ZJW	1
Naphthalene	< 1	ug/l	1	3.83	1	GRO95/8021		8/5/2023	ZJW	1
Toluene	< 0.41	ug/l	0.41	1.57	1	GRO95/8021		8/5/2023	ZJW	1
1,2,4-Trimethylbenzene	< 0.39	ug/l	0.39	1.5	1	GRO95/8021		8/5/2023	ZJW	1
1,3,5-Trimethylbenzene	< 0.29	ug/l	0.29	1.1	1	GRO95/8021		8/5/2023	ZJW	1
m&p-Xylene	< 0.48	ug/l	0.48	1.84	1	GRO95/8021		8/5/2023	ZJW	1
o-Xylene	< 0.66	ug/l	0.66	2.54	1	GRO95/8021		8/5/2023	ZJW	1

Lab Code 5042713G
Sample ID MW-11
Sample Matrix Water
Sample Date 7/24/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	1.72	ug/l	0.31	1.17	1	GRO95/8021		8/5/2023	ZJW	1
Ethylbenzene	13.1	ug/l	0.33	1.25	1	GRO95/8021		8/5/2023	ZJW	1
Methyl tert-butyl ether (MTBE)	< 0.45	ug/l	0.45	1.75	1	GRO95/8021		8/5/2023	ZJW	1
Naphthalene	3.05 "J"	ug/l	1	3.83	1	GRO95/8021		8/5/2023	ZJW	1
Toluene	0.71 "J"	ug/l	0.41	1.57	1	GRO95/8021		8/5/2023	ZJW	1
1,2,4-Trimethylbenzene	15	ug/l	0.39	1.5	1	GRO95/8021		8/5/2023	ZJW	1
1,3,5-Trimethylbenzene	2.19	ug/l	0.29	1.1	1	GRO95/8021		8/5/2023	ZJW	1
m&p-Xylene	22.4	ug/l	0.48	1.84	1	GRO95/8021		8/5/2023	ZJW	1
o-Xylene	18.9	ug/l	0.66	2.54	1	GRO95/8021		8/5/2023	ZJW	1

Project Name SOLBERG/GREEN BAY
Project #

Invoice # E42713

Lab Code 5042713H
Sample ID TANK SUMP
Sample Matrix Water
Sample Date 7/24/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	23.8	ug/l	3.1	11.7	10	GRO95/8021		8/5/2023	ZJW	1
Ethylbenzene	43	ug/l	3.3	12.5	10	GRO95/8021		8/5/2023	ZJW	1
Methyl tert-butyl ether (MTBE)	< 4.5	ug/l	4.5	17.5	10	GRO95/8021		8/5/2023	ZJW	1
Naphthalene	< 10	ug/l	10	38.3	10	GRO95/8021		8/5/2023	ZJW	1
Toluene	10.2 "J"	ug/l	4.1	15.7	10	GRO95/8021		8/5/2023	ZJW	1
1,2,4-Trimethylbenzene	138	ug/l	3.9	15	10	GRO95/8021		8/5/2023	ZJW	1
1,3,5-Trimethylbenzene	30.5	ug/l	2.9	11	10	GRO95/8021		8/5/2023	ZJW	1
m&p-Xylene	79	ug/l	4.8	18.4	10	GRO95/8021		8/5/2023	ZJW	1
o-Xylene	63	ug/l	6.6	25.4	10	GRO95/8021		8/5/2023	ZJW	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code **Comment**

1 Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

