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September 26, 2022

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
GEC Project Number: 2-0919-397
BRRTS Number: 03-05-588286

Dear Ms. Schultz,

Attached is a Status Update for the Site Investigation Activity at The Solberg Company – PVOC, located at 1520 Brookfield Avenue in the Village of Howard, Wisconsin.

Sincerely yours,

GENERAL ENGINEERING COMPANY

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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**TABLE OF CONTENTS
THE SOLBERG COMPANY – PVOC**

	<u>Page</u>
INTRODUCTION	1
• General	
• Purpose	
• Scope	
SITE FEATURES AND BACKGROUND	1-3
• Site Features	
• Background	
FIELD ACTIVITIES AND PROCEDURES	3
• Scope Summary	
GROUNDWATER MONITORING ACTIVITIES	3-4
• Groundwater Sampling	
• Groundwater Well Elevations	
FIELD AND ANALYTICAL TESTING RESULTS	4-5
• Groundwater Quality Standards	
• Laboratory Groundwater Results	
CONCLUSIONS	5
GENERAL COMMENTS	5



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APPENDICES

APPENDIX A

- Figure 1 – Site Location Map
- Figure 2 – Site Plan Map
- Figure 3 – Soil Boring and Monitoring Well Location Map
- Figure 4 – Estimated Extent of Remedial Excavation and Confirmation Soil Sample Location Map
- Figure 5 – Groundwater Elevation Contour and Flow Direction Map (July 12, 2022)

APPENDIX B

- Table A.1 – Groundwater Analytical Results
- Table A.2.1 – Soil Screening Results Table
- Table A.2.2 – Soil Analytical Results Table
- Table A.6 – Water Level Elevations

APPENDIX C

- Groundwater Analytical Reports Chain-of-Custody Documentation

Status Update Report

The Solberg Company – PVOC

Village of Howard, Wisconsin

Page 1

INTRODUCTION

General

This report presents a summary of the findings and conclusions of the subsurface investigation activities performed at The Solberg Company – PVOC located at 1520 Brookfield Avenue in the Village of Howard, Brown County, Wisconsin (Site). The activities were performed at the request and authorization of Mr. Mitch Hubert, an authorized representative of Perimeter Solutions (formerly The Solberg Company).

Purpose

The purpose of the performed investigation activities was to evaluate the degree and extent 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 two rounds of groundwater samples from monitoring wells MW-1, MW-2, MW-3, MW-11, and the tank sump, and from monitoring wells MW-9 and MW-10 during the second sampling round, 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 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 underground tanks 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 water tank is pumped into an onsite tank, where it is treated and shipped out for proper disposal by Perimeter Solutions.

Status Update Report

The Solberg Company – PVOC

Village of Howard, Wisconsin

Page 2

The surface of the Site is relatively flat and slopes slightly down toward the east/southeast toward Lake Michigan, 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 are no potable or municipal wells located within 1,200 feet of the source area of the release. Additionally, the 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 an onsite 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 water 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 (SS-1 to SS-4). It was apparent during excavation in this location that complete excavation of impacted soils could not be completed.

Status Update Report

The Solberg Company – PVOOC

Village of Howard, Wisconsin

Page 3

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 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 water, identified PVOOCs exceeding both the WAC NR 720 soil to groundwater pathway and/or cancer and direct contact 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 BRRTS # 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 General Engineering Company (GEC) was retained to perform the site investigation activities discussed herein. 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 utilized soil borings and monitoring wells are shown on Figure 3, Appendix A. It should be noted that other monitoring wells that are not part of the current LUST case (MW-5, MW-6, MW-7, MW-8, and PZ-1) are also shown on the map.

FIELD ACTIVITIES AND PROCEDURES

Scope Summary

The planned scope of services included the performance of two rounds of groundwater sampling from selected monitoring wells, which included MW-1, MW-2, MW-3, MW-11, and the tank sump during the initial sampling round, and MW-1, MW-2, MW-3, MW-9, MW-10, MW-11 and the tank sump during the second sampling round. The second 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 PVOOCs and naphthalene.

GROUNDWATER MONITORING ACTIVITIES

Groundwater Sampling

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. The groundwater samples were collected by purging 4 well volumes from each monitoring well utilizing dedicated pumps with the exception of the tank sump, which was purged with a bailer.

Status Update Report

The Solberg Company – PVOC

Village of Howard, Wisconsin

Page 4

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-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-4 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, and July 12, 2022. 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 6.69 feet below TOC at MW-2 and MW-3 (EL. 584.15 and EL. 584.19, respectively) on October 12th, 2020. Groundwater elevations ranged from EL. 584.15 at MW-1 and MW-2 on October 12th, 2020, to EL 588.02 at MW-1 on November 26th, 2019. The water elevation at PZ-1 was EL. 586.52 and EL. 586.37 during the June 2nd, 2021, and July 12, 2022, sampling rounds, respectively, below the elevation of EL. 586.90 at MW-3 on June 2nd, 2021, and EL. 586.47 on July 12, 2022. Groundwater elevation data is summarized on Table A.6 in Appendix B. Based on the groundwater elevations from all monitoring wells the groundwater flow appears to be toward primarily toward the north/northwest. 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 12, 2022 is provided in Figure 5, Appendix A.

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 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 ($\mu\text{g/L}$) and 21.7 $\mu\text{g/L}$, which exceed its WAC NR 140 ES of 5 $\mu\text{g/L}$. The samples from MW-1 and the tank sump also contained a few other PVOCs and naphthalene at concentrations exceeding their respective WAC 140 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 PVOCs or naphthalene.

During the most recent sampling round on July 12, 2022, the groundwater sample collected from MW-1 reported benzene at a concentration of 22.9 $\mu\text{g/L}$, which exceeds it WAC NR 140 ES. The sample also contained a few other PVOCs 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 MW-3, MW-10 and the tank sump did not report detectable concentrations of PVOCs or naphthalene.

Status Update Report

The Solberg Company – PVOC

Village of Howard, Wisconsin

Page 5

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. In addition, 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.

With regard to the groundwater results, it appears that groundwater with relatively low benzene concentrations exceeding the WAC NR 140 ES extends from the near the northern portion of the current UST system in the area of the primary spill, at least as far as MW-1 and extends in the groundwater flow direction toward the north/northwest, 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 concentrations exceeding the WAC NR 140 PAL extends onto the northern adjoining property. The extent of contaminated groundwater has not been defined to the west of the tank system in the direction of numerous utilities and the Site fire suppression testing building.

Therefore, it is recommended that two rounds of additional groundwater sampling be performed at monitoring wells MW-1, MW-2, MW-3, MW-4 (to define the western extent of groundwater contamination), MW-9, MW-10, MW-11, and the tank sump. If similar results are observed, it is recommended that a Site Investigation Report be submitted subsequent to the next sampling round and that a Closure Request be submitted subsequent to the fourth sampling round.

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



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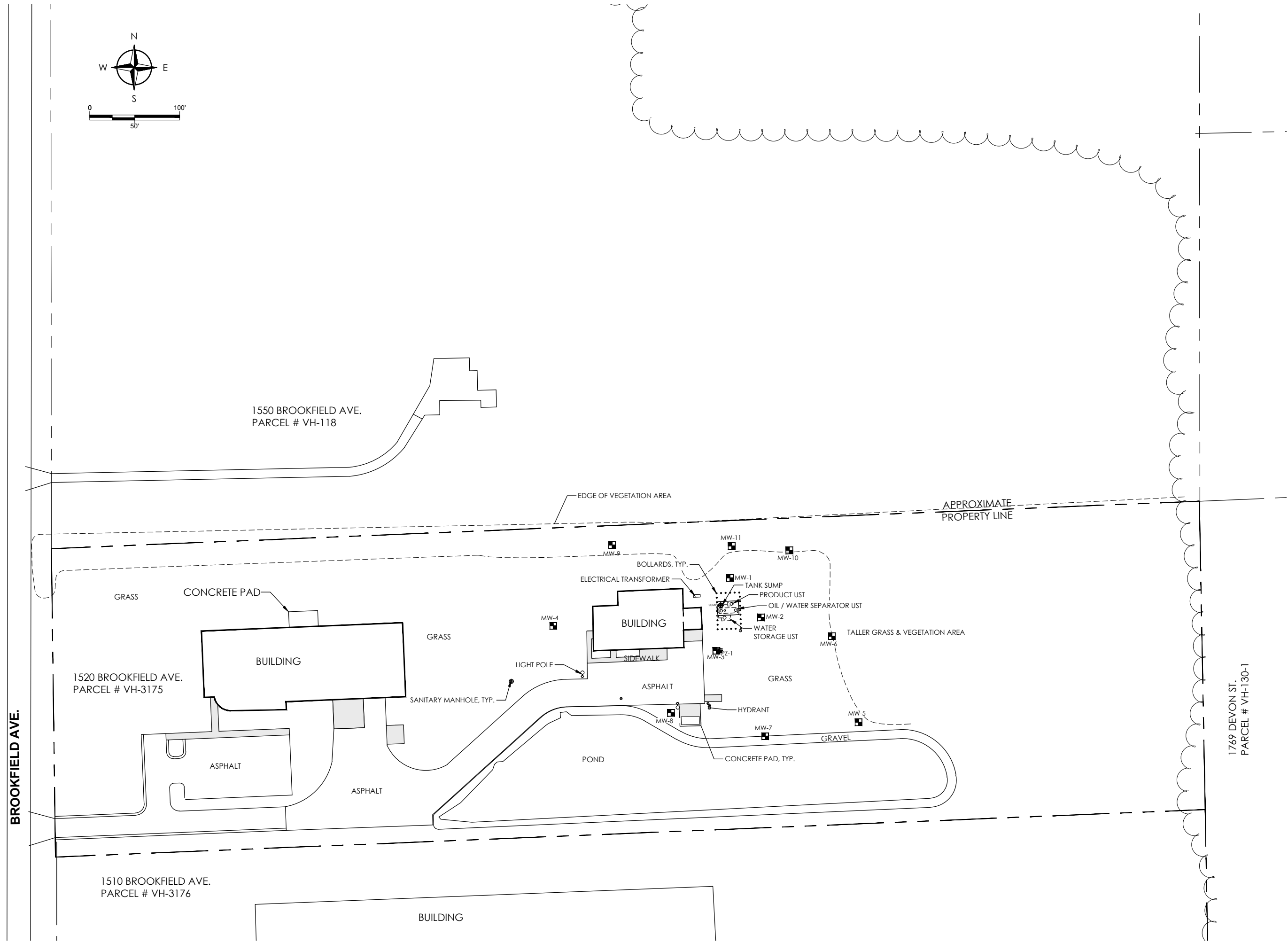
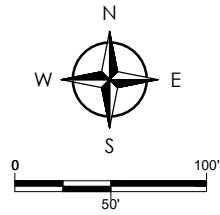
**SITE LOCATION MAP
 THE SOLBERG COMPANY**

**1520 BROOKFIELD AVE.
 VILLAGE OF HOWARD
 BROWN COUNTY, WI**



DRAWN BY	LMB
REVIEWED BY	KSP
ISSUE DATE	JULY 2020
GEC FILE NO.	2-0919-397
SHEET NO.	

FIGURE 1

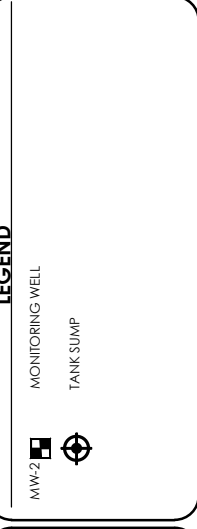


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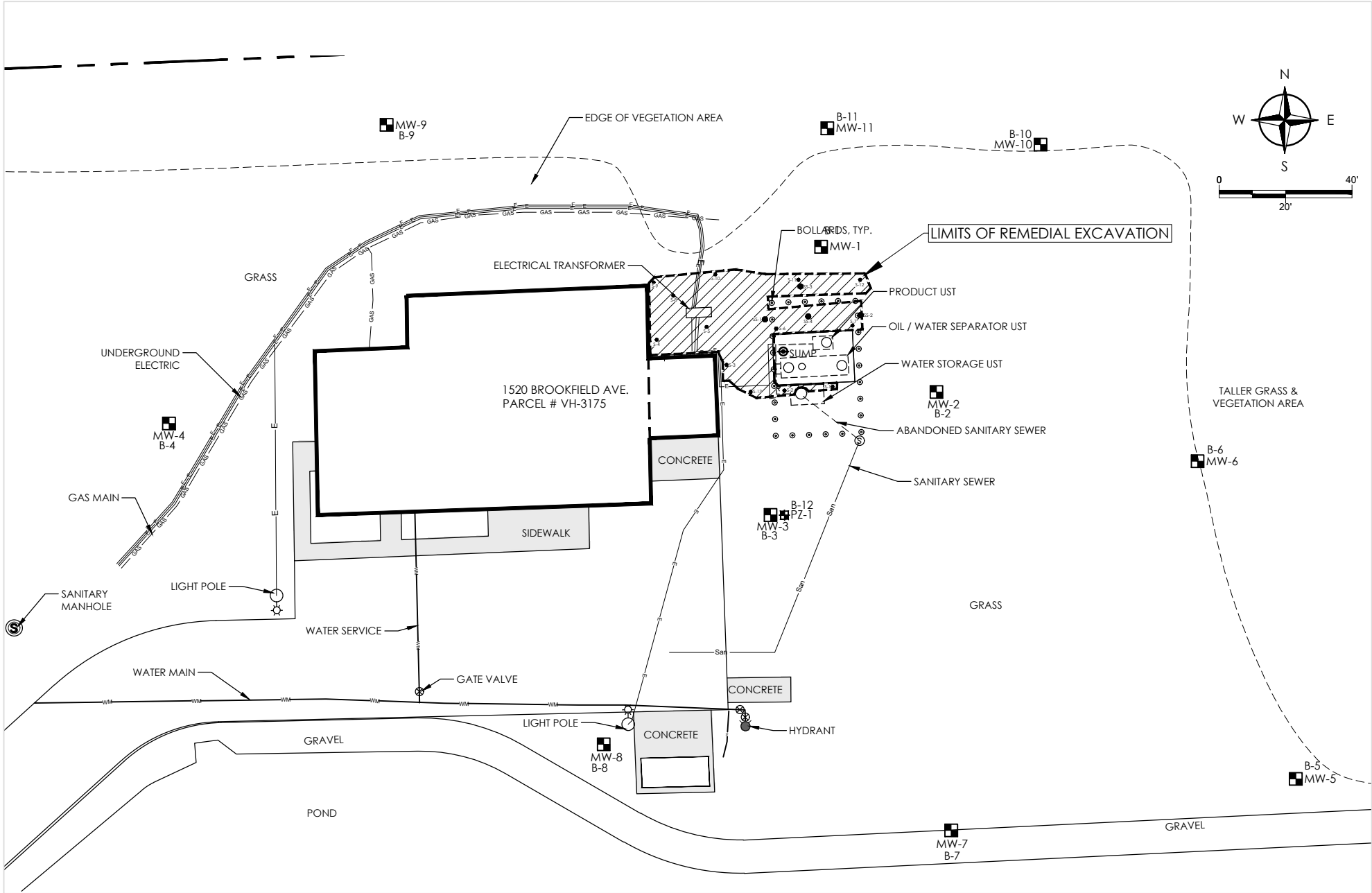
SITE PLAN MAP

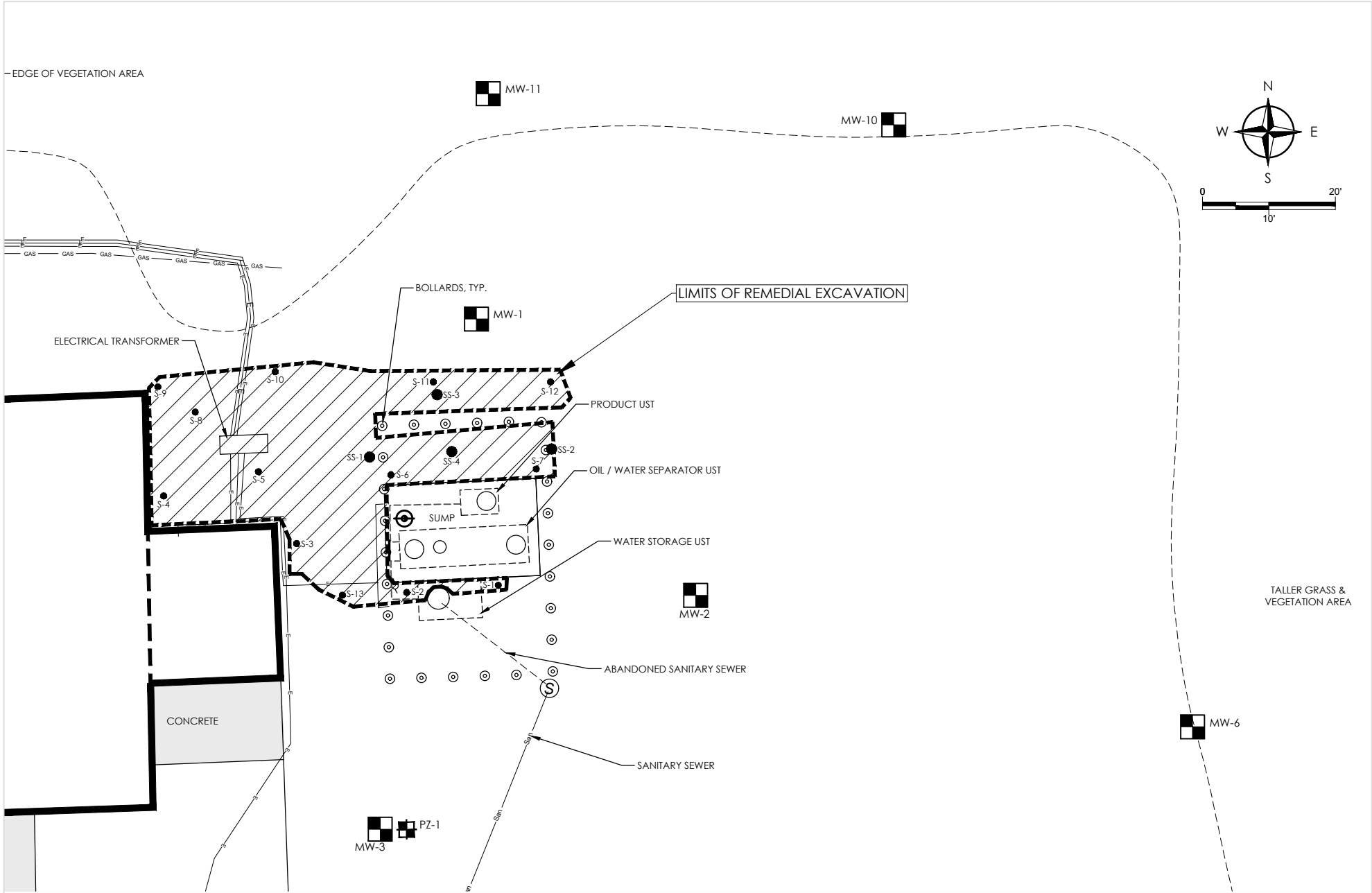
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BROWN COUNTY, WI



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REVIEWED BY	BLY
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FIGURE 2





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

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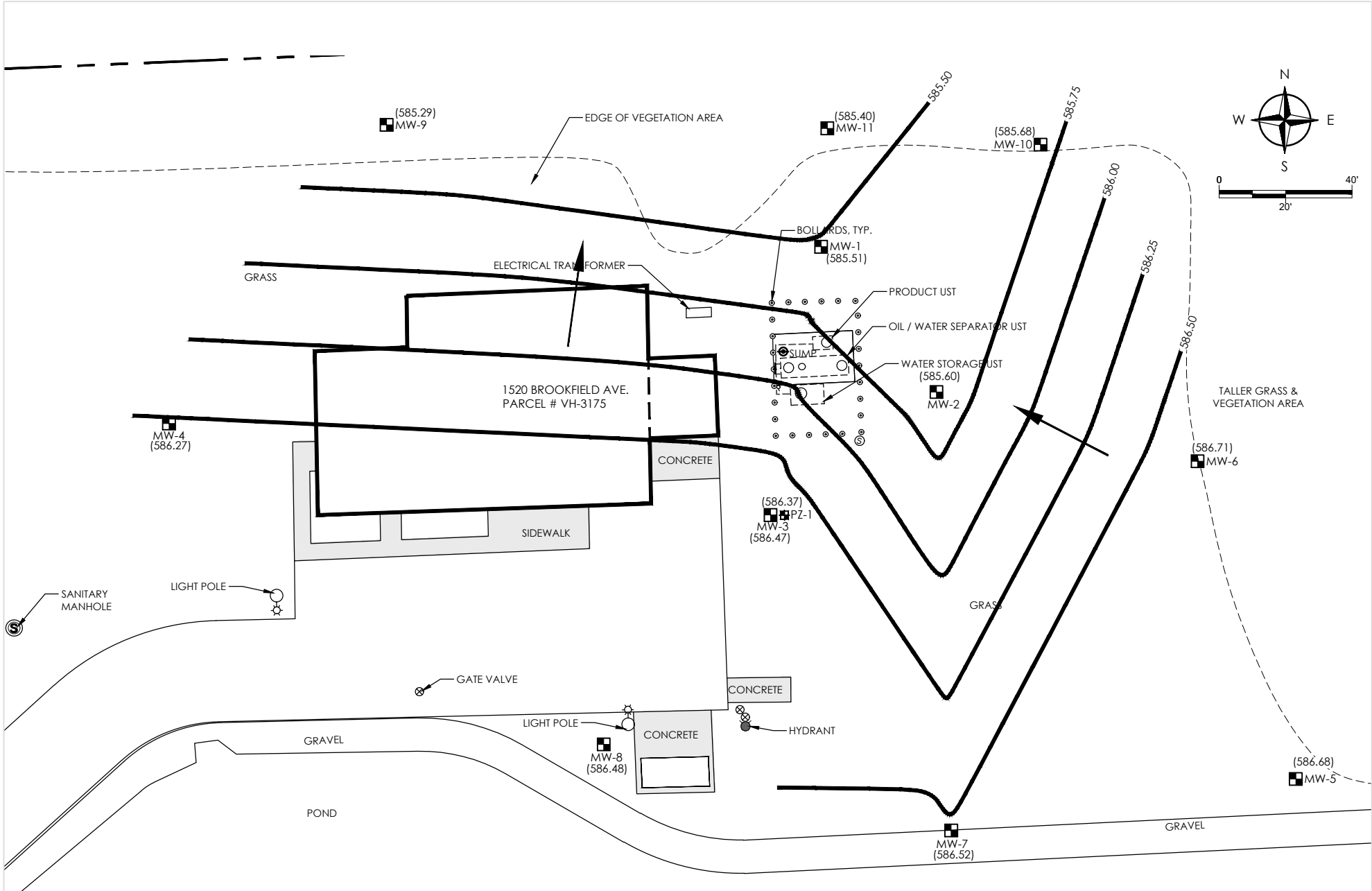
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**ESTIMATED EXTENT OF REMEDIAL EXCAVATION AND
 CONFIRMATION SOIL SAMPLE LOCATION MAP**

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VILLAGE OF HOWARD
BROWN COUNTY, WI

GEC
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FIGURE 4



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

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**GROUNDWATER ELEVATION CONTOURS AND
 FLOW DIRECTION MAP - JULY 12, 2022**

THE SOLBERG COMPANY - PVOC
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BROWN COUNTY, WI

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FIGURE 5	

APPENDIX B
TABLES

TABLE A.1
GROUNDWATER ANALYTICAL TABLE
THE SOLBERG COMPANY -PVOC -1520 BROOKFIELD AVENUE, VILLAGE OF HOWARD, WISCONSIN
GEC PROJECT NO. 2-0919-397

Monitoring Well	NR 140		MW-1					
	ES	PAL	12/13/2019	3/24/2020	6/11/2020	10/12/2020	5/13/2022	7/12/2022
PETROLEUM VOLATILE ORGANIC COMPOUNDS (PVOC) (µg/L)								
Benzene	5	0.5	<i>1.54</i>	<i>0.88J</i>	<i>0.77J</i>	<i>2.25</i>	43	22.9
Ethylbenzene	700	140	<0.29	<0.55	<0.55	102	155	340
Methyl tert-butyl ether	60	12	<0.24	<0.71	<0.71	<0.47	<0.4	<4.7
Naphthalene	100	10	<1.3	NA	NA	11.4	29.5	67
Toluene	800	160	<0.29	<0.62	<0.62	3.8	116	109
1,2,4 -Trimethylbenzene	480	96	<0.46	<0.71	<0.71	118	181	370
1,3,5 -Trimethylbenzene			<0.67	<0.66	<0.66	14.6	22.5	72
Xylenes, -m, -p	2,000	400	<1.22	<2.04	<2.04	80.5	464	1,560
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.1 (Continued)
GROUNDWATER ANALYTICAL TABLE
THE SOLBERG COMPANY-PVOC - 1520 BROOKFIELD AVENUE, VILLAGE OF HOWARD, WISCONSIN
GEC PROJECT NO. 2-0919-397

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

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
GEC PROJECT NO. 2-0919-397

Monitoring Well	NR 140		MW-9	MW-10	MW-11		SUMP					
	ES	PAL	7/12/2022	7/12/2022	12/13/2019	7/12/2022	12/13/2019	3/24/2020	6/11/2020	10/12/2020	5/13/2022	7/12/2022
PETROLEUM VOLATILE ORGANIC COMPOUNDS (PVOC) (µg/L)												
Benzene	5	0.5	2.9	<0.3	4.6	2.97	23.4	37	37	<0.33	21.7	<0.3
Ethylbenzene	700	140	<0.39	<0.33	6.6	4	35	45	131	8.6	44	<0.33
Methyl tert-butyl ether	60	12	<0.4	<0.47	<0.4	<0.4	<2.4	<0.71	<0.71	<0.47	<0.4	<0.47
Naphthalene	100	10	<1.11	<1.4	2.78J	<1.11	<i>15.8J</i>	<i>26.6</i>	34	3.07J	<i>16</i>	<1.4
Toluene	800	160	<0.53	<0.33	1.22J	5.1	6.8J	3.7	29.2	<0.26	37	<0.33
1,2,4 -Trimethylbenzene	480	96	0.37J	<0.35	7.5	2.62	<i>133</i>	<i>210</i>	<i>350</i>	25.5	<i>116</i>	<0.35
1,3,5 -Trimethylbenzene			<0.47	<0.41	0.83J	<0.47	23	<i>51</i>	<i>88</i>	3.2	<i>32</i>	<0.41
Xylenes, -m, -p	2,000	400	0.86J	<1.01	7.51	6.7	101.1	72	297	13.04	292	<1.01
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
GEC PROJECT NO. 2-0919-397

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
GEC PROJECT NO. 2-0919-397

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

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 - 1520 BROOKFIELD AVENUE, VILLAGE OF HOWARD, WISCONSIN
GEC PROJECT NO. 2-0919-397

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
MW-2	590.84	588.96	585.79	11/26/2019	3.01	587.83
				12/13/2019	3.03	587.81
			575.79	3/24/2020	3.00	587.84
				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
MW-3	590.88	588.95	585.83	11/26/2019	3.01	587.87
				12/13/2019	3.03	587.85
			575.83	3/24/2020	3.00	587.88
				6/11/2020	3.06	587.82
				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
MW-4	589.93	587.62	583.27	5/26/2021	3.65	586.28
				6/2/2021	3.12	586.81
			573.27	7/12/2022	3.66	586.27
MW-5	589.78	588.06	585.48	5/26/2021	2.94	586.84
				6/2/2021	2.65	587.13
			575.48	7/12/2022	3.10	586.68
MW-6	589.9	588.09	583.13	5/26/2021	3.12	586.78
				6/2/2021	2.32	587.58
			573.13	7/12/2022	3.19	586.71
MW-7	589.61	587.31	584.68	5/26/2021	2.95	586.66
				6/2/2021	2.85	586.76
			574.68	7/12/2022	3.09	586.52
MW-8	590.27	588.4	585.33	5/26/2021	4.06	586.21
				6/2/2021	3.49	586.78
			575.33	7/12/2022	3.79	586.48
MW-9	590.2	588.02	585.33	5/26/2021	5.01	585.19
				6/2/2021	4.08	586.12
			575.33	7/12/2022	4.91	585.29
MW-10	590.41	588.3	585.37	5/27/2021	5.69	584.72
				6/2/2021	3.84	586.57
			575.37	7/12/2022	4.73	585.68
MW-11	590.46	588.4	585.47	5/27/2021	5.30	585.16
				6/2/2021	4.21	586.25
			575.47	5/13/2022	4.55	585.91
				7/12/2022	5.06	585.40
PZ-1	590.92	588.56	566.47	5/27/2021	5.39	585.53
				6/2/2021	4.40	586.52
			561.47	7/12/2022	4.55	586.37

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

APPENDIX C

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

Sample Handling Request

Rush Analysis Date Required: _____

(Rushes accepted only with prior authorization)

Normal Turn Around

www.synergy-lab.net

1990 Prospect Ct. • Appleton, WI 54914

920-830-2455 • mrsynergy@wi.twcbc.com

Lab I.D. # _____
 QUOTE # : _____
 Project #: _____
 Sampler: (signature) *[Signature]*

Project (Name / Location): *Solberg/Haward*

Reports To: *Brian Youngblood*

Company: *GEL*

Address: *916 Silver Lakes Drive*

City State Zip: *Portage WI 53901*

Phone: *608 697 8010*

Email: _____

Invoice To: _____

Company: *C/O GEL*

Address: _____

City State Zip: _____

Phone: _____

Email: _____

Analysis Requested

Other Analysis

Lab I.D.	Sample I.D.	Collection		Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524-2)	VOC (EPA 8260)	VOC AIR (TO - 15)	8-PCRA METALS	PID/ FID	
		Date	Time																					
<i>5040940A</i>	<i>MW-1</i>	<i>5/15/22</i>	<i>AM</i>	<i>N</i>	<i>2</i>	<i>GW</i>	<i>HCL</i>																	
<i>B</i>	<i>MW-2</i>	↓	↓	↓	↓	↓	↓																	
<i>C</i>	<i>MW-3</i>	↓	↓	↓	↓	↓	↓																	
<i>D</i>	<i>Truck Sump</i>	↓	↓	↓	↓	↓	↓																	
<i>E</i>	<i>MW-11</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: *Client*

Temp. of Temp. Blank: *4* °C On Ice: _____

Cooler seal intact upon receipt: Yes No

Relinquished By: (sign) *[Signature]*

Time _____

Date _____

Received By: (sign) _____

Time _____

Date _____

Received in Laboratory By: *[Signature]*

Time: *8:00*

Date: *5/16/22*

Synergy Environmental Lab, LLC.

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

BRIAN YOUNGWIRTH
GENERAL ENGINEERING
916 SILVER LAKE DRIVE
PORTAGE, WI 53901

Report Date 26-May-22

Project Name SOLBERG
Project #

Invoice # E40940

Lab Code 5040940A
Sample ID MW-1
Sample Matrix Water
Sample Date 5/13/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	43	ug/l	0.37	1.4	1	GRO95/8021		5/19/2022	CJR	1
Ethylbenzene	155	ug/l	0.39	1.48	1	GRO95/8021		5/19/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.4	ug/l	0.4	1.52	1	GRO95/8021		5/19/2022	CJR	1
Naphthalene	29.5	ug/l	1.11	4.28	1	GRO95/8021		5/19/2022	CJR	1
Toluene	116	ug/l	0.53	2.04	1	GRO95/8021		5/19/2022	CJR	1
1,2,4-Trimethylbenzene	181	ug/l	0.36	1.37	1	GRO95/8021		5/19/2022	CJR	1
1,3,5-Trimethylbenzene	22.5	ug/l	0.47	1.82	1	GRO95/8021		5/19/2022	CJR	1
m&p-Xylene	258	ug/l	0.69	2.64	1	GRO95/8021		5/19/2022	CJR	1
o-Xylene	206	ug/l	0.75	2.88	1	GRO95/8021		5/19/2022	CJR	1

Project Name SOLBERG
Project #

Invoice # E40940

Lab Code 5040940B
Sample ID MW-2
Sample Matrix Water
Sample Date 5/13/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		5/24/2022	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		5/24/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		5/24/2022	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		5/24/2022	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		5/24/2022	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		5/24/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		5/24/2022	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		5/24/2022	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		5/24/2022	CJR	1

Lab Code 5040940C
Sample ID MW-3
Sample Matrix Water
Sample Date 5/13/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.37	ug/l	0.37	1.4	1	GRO95/8021		5/19/2022	CJR	1
Ethylbenzene	< 0.39	ug/l	0.39	1.48	1	GRO95/8021		5/19/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.4	ug/l	0.4	1.52	1	GRO95/8021		5/19/2022	CJR	1
Naphthalene	< 1.11	ug/l	1.11	4.28	1	GRO95/8021		5/19/2022	CJR	1
Toluene	< 0.53	ug/l	0.53	2.04	1	GRO95/8021		5/19/2022	CJR	1
1,2,4-Trimethylbenzene	< 0.36	ug/l	0.36	1.37	1	GRO95/8021		5/19/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.47	ug/l	0.47	1.82	1	GRO95/8021		5/19/2022	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.64	1	GRO95/8021		5/19/2022	CJR	1
o-Xylene	< 0.75	ug/l	0.75	2.88	1	GRO95/8021		5/19/2022	CJR	1

Lab Code 5040940D
Sample ID TANK SUMP
Sample Matrix Water
Sample Date 5/13/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	21.7	ug/l	0.37	1.4	1	GRO95/8021		5/19/2022	CJR	1
Ethylbenzene	44	ug/l	0.39	1.48	1	GRO95/8021		5/19/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.4	ug/l	0.4	1.52	1	GRO95/8021		5/19/2022	CJR	1
Naphthalene	16	ug/l	1.11	4.28	1	GRO95/8021		5/19/2022	CJR	1
Toluene	37	ug/l	0.53	2.04	1	GRO95/8021		5/19/2022	CJR	1
1,2,4-Trimethylbenzene	116	ug/l	0.36	1.37	1	GRO95/8021		5/19/2022	CJR	1
1,3,5-Trimethylbenzene	32	ug/l	0.47	1.82	1	GRO95/8021		5/19/2022	CJR	1
m&p-Xylene	170	ug/l	0.69	2.64	1	GRO95/8021		5/19/2022	CJR	1
o-Xylene	122	ug/l	0.75	2.88	1	GRO95/8021		5/19/2022	CJR	1

Project Name SOLBERG
Project #

Invoice # E40940

Lab Code 5040940E
Sample ID MW-11
Sample Matrix Water
Sample Date 5/13/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	4.6	ug/l	0.37	1.4	1	GRO95/8021	5/19/2022	5/19/2022	CJR	1
Ethylbenzene	6.6	ug/l	0.39	1.48	1	GRO95/8021	5/19/2022	5/19/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.4	ug/l	0.4	1.52	1	GRO95/8021	5/19/2022	5/19/2022	CJR	1
Naphthalene	2.78 "J"	ug/l	1.11	4.28	1	GRO95/8021	5/19/2022	5/19/2022	CJR	1
Toluene	1.22 "J"	ug/l	0.53	2.04	1	GRO95/8021	5/19/2022	5/19/2022	CJR	1
1,2,4-Trimethylbenzene	7.5	ug/l	0.36	1.37	1	GRO95/8021	5/19/2022	5/19/2022	CJR	1
1,3,5-Trimethylbenzene	0.83 "J"	ug/l	0.47	1.82	1	GRO95/8021	5/19/2022	5/19/2022	CJR	1
m&p-Xylene	4.4	ug/l	0.69	2.64	1	GRO95/8021	5/19/2022	5/19/2022	CJR	1
o-Xylene	3.11	ug/l	0.75	2.88	1	GRO95/8021	5/19/2022	5/19/2022	CJR	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

Environmental Lab, Inc.

www.synergy-lab.net

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • mrsynergy@wi.twcbc.com

Sample Handling Request

Rush Analysis Date Required: _____
(Rushes accepted only with prior authorization)

Normal Turn Around

Lab I.D. # _____
 QUOTE # : _____
 Project #: 2-0919-397B
 Sampler: (signature) *[Signature]*

Project (Name / Location): Solberg Site 2

Reports To: Brian Yangworth	Invoice To:
Company: GEC	Company: <i>[Signature]</i>
Address: 916 Silver Lake Dr	Address: <i>[Signature]</i>
City State Zip: Portage, WI 53901	City State Zip:
Phone: 608-697-8010	Phone:
Email: byangworth@generalengineering.net	Email:

Analysis Requested										Other Analysis									
DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	VOC AIR (TO - 15)	8-PCRA METALS	PID/ FID				
								X											

Lab I.D.	Sample I.D.	Collection		Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
		Date	Time				
5041189A	MW-10	7/12	11:15	N	2	GW	HCL
B	MW-9		11:30				
C	MW-11		12:00				
D	MW-2		1:15				
E	MW-1		1:30				
F	MW-3		1:45				
G	Sump		2:15				

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

email results to Brian

Sample Integrity - To be completed by receiving lab.
 Method of Shipment: Client
 Temp. of Temp. Blank: 4 °C On Ice: _____
 Cooler seal intact upon receipt: Yes No

Relinquished By: (sign) *[Signature]* Time 6:00pm Date 7/12/22

Received By: (sign) _____ Time _____ Date _____

Received in Laboratory By: *[Signature]* Time: 8:00 Date: 7/13/22

Synergy Environmental Lab, LLC.

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

BRIAN YOUNGWIRTH
GENERAL ENGINEERING
916 SILVER LAKE DRIVE
PORTAGE, WI 53901

Report Date 19-Jul-22

Project Name SOLBERG SITE 2
Project # 2-0919-397B

Invoice # E41189

Lab Code 5041189A
Sample ID MW-10
Sample Matrix Water
Sample Date 7/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		7/18/2022	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		7/18/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		7/18/2022	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		7/18/2022	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		7/18/2022	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		7/18/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		7/18/2022	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		7/18/2022	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		7/18/2022	CJR	1

Project Name SOLBERG SITE 2
Project # 2-0919-397B

Invoice # E41189

Lab Code 5041189B
Sample ID MW-9
Sample Matrix Water
Sample Date 7/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	2.9	ug/l	0.37	1.4	1	GRO95/8021		7/13/2022	CJR	1
Ethylbenzene	< 0.39	ug/l	0.39	1.48	1	GRO95/8021		7/13/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.4	ug/l	0.4	1.52	1	GRO95/8021		7/13/2022	CJR	1
Naphthalene	< 1.11	ug/l	1.11	4.28	1	GRO95/8021		7/13/2022	CJR	1
Toluene	< 0.53	ug/l	0.53	2.04	1	GRO95/8021		7/13/2022	CJR	1
1,2,4-Trimethylbenzene	0.37 "J"	ug/l	0.36	1.37	1	GRO95/8021		7/13/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.47	ug/l	0.47	1.82	1	GRO95/8021		7/13/2022	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.64	1	GRO95/8021		7/13/2022	CJR	1
o-Xylene	0.86 "J"	ug/l	0.75	2.88	1	GRO95/8021		7/13/2022	CJR	1

Lab Code 5041189C
Sample ID MW-11
Sample Matrix Water
Sample Date 7/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	2.97	ug/l	0.37	1.4	1	GRO95/8021		7/13/2022	CJR	1
Ethylbenzene	4.0	ug/l	0.39	1.48	1	GRO95/8021		7/13/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.4	ug/l	0.4	1.52	1	GRO95/8021		7/13/2022	CJR	1
Naphthalene	< 1.11	ug/l	1.11	4.28	1	GRO95/8021		7/13/2022	CJR	1
Toluene	5.1	ug/l	0.53	2.04	1	GRO95/8021		7/13/2022	CJR	1
1,2,4-Trimethylbenzene	2.62	ug/l	0.36	1.37	1	GRO95/8021		7/13/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.47	ug/l	0.47	1.82	1	GRO95/8021		7/13/2022	CJR	1
m&p-Xylene	3.4	ug/l	0.69	2.64	1	GRO95/8021		7/13/2022	CJR	1
o-Xylene	3.3	ug/l	0.75	2.88	1	GRO95/8021		7/13/2022	CJR	1

Lab Code 5041189D
Sample ID MW-2
Sample Matrix Water
Sample Date 7/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	0.57 "J"	ug/l	0.37	1.4	1	GRO95/8021		7/13/2022	CJR	1
Ethylbenzene	< 0.39	ug/l	0.39	1.48	1	GRO95/8021		7/13/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.4	ug/l	0.4	1.52	1	GRO95/8021		7/13/2022	CJR	1
Naphthalene	< 1.11	ug/l	1.11	4.28	1	GRO95/8021		7/13/2022	CJR	1
Toluene	< 0.53	ug/l	0.53	2.04	1	GRO95/8021		7/13/2022	CJR	1
1,2,4-Trimethylbenzene	< 0.36	ug/l	0.36	1.37	1	GRO95/8021		7/13/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.47	ug/l	0.47	1.82	1	GRO95/8021		7/13/2022	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.64	1	GRO95/8021		7/13/2022	CJR	1
o-Xylene	< 0.75	ug/l	0.75	2.88	1	GRO95/8021		7/13/2022	CJR	1

Project Name SOLBERG SITE 2
Project # 2-0919-397B

Invoice # E41189

Lab Code 5041189E
Sample ID MW-1
Sample Matrix Water
Sample Date 7/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	22.9	ug/l	3	12.5	10	8260B		7/19/2022	CJR	1
Ethylbenzene	340	ug/l	3.3	13.7	10	8260B		7/19/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 4.7	ug/l	4.7	19.1	10	8260B		7/19/2022	CJR	1
Naphthalene	67	ug/l	14	55.6	10	8260B		7/19/2022	CJR	1
Toluene	109	ug/l	3.3	13.5	10	8260B		7/19/2022	CJR	1
1,2,4-Trimethylbenzene	370	ug/l	3.5	14.4	10	8260B		7/19/2022	CJR	1
1,3,5-Trimethylbenzene	72	ug/l	4.1	16.6	10	8260B		7/19/2022	CJR	1
m&p-Xylene	840	ug/l	6.4	26.3	10	8260B		7/19/2022	CJR	1
o-Xylene	720	ug/l	3.7	15.1	10	8260B		7/19/2022	CJR	1

Lab Code 5041189F
Sample ID MW-3
Sample Matrix Water
Sample Date 7/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		7/19/2022	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		7/19/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		7/19/2022	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		7/19/2022	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		7/19/2022	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		7/19/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		7/19/2022	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		7/19/2022	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		7/19/2022	CJR	1

Lab Code 5041189G
Sample ID SUMP
Sample Matrix Water
Sample Date 7/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		7/19/2022	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		7/19/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		7/19/2022	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		7/19/2022	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		7/19/2022	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		7/19/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		7/19/2022	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		7/19/2022	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		7/19/2022	CJR	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

A handwritten signature in blue ink, appearing to read "Michael J. ...", is written over a horizontal line.