

September 1, 2023

Matt Thompson, WDNR/RR  
1300 W. Clairemont Avenue  
Eau Claire, WI 54701  
[matthewa.thompson@wisconsin.gov](mailto:matthewa.thompson@wisconsin.gov)



Re: Site Investigation Update for the Laundromat Property Site  
1021 South Broadway Street, Menomonie, Dunn County, Wisconsin 54751  
AET Project No. P-0011071. WDNR BRRTS No. 02-17-587803.

Dear Mr. Thompson:

Attached are results of additional groundwater and on-site vapor sampling at the Laundromat Property Site. We would like to set up a meeting to discuss the need for additional groundwater monitoring wells and vapor sampling at the Site.

AET completed six borings (GP-8 – GP-13) and four temporary wells (TW-8, TW-9, TW-10, & TW-12) to further define the extent of off-site tetrachloroethene (PCE) and trichloroethene (TCE) groundwater contamination. Groundwater was encountered at depths ranging from 11.8 to 28.15 feet. Two borings (GP-11 and GP-13) did not encounter groundwater. **Figure 1** shows the Site location and **Figure 2** shows the current Site layout and soil boring and temporary/monitoring well locations. We observed photoionization detector (PID) readings of less than one part per million (ppm) in all six soil borings. PID results are recorded on attached soil boring logs. In addition, one round of groundwater samples was collected from the six existing groundwater monitoring wells.

The measured results did not exceed regulatory criteria, except for the following:

- PCE concentrations exceeding the 5 parts per billion (ppb) Enforcement Standard (ES) were detected in TW-10 (7.2 ppb), MW-3 (7.2 ppb), and MW-6 (42 ppb).
- TCE concentrations exceeding the 5 ppb ES were detected in TW-9 (8.1 ppb).
- PCE concentrations exceeding the 0.5 ppb Preventive Action Limit (PAL) were detected in TW-9 (4.6 ppb), MW-1 (4.6 ppb), MW-2 (3.7 ppb), and MW-5 (2.9 ppb).
- TCE concentrations exceeding the 0.5 ppb PAL were detected in TW-10 (0.71 ppb), and MW-6 (2.4 ppb).

No VOCs were detected in temporary wells TW-8, TW-12, and groundwater monitoring well MW-4 at concentrations exceeding laboratory detection limits.

Groundwater analytical results are summarized in **Table 1** and the groundwater data results are depicted in **Figure 3**.

AET collected a sewer gas sample from the on-site sewer clean-out pipe. The sewer gas sample was extracted using disposable tubing. Prior to sample collection, the tubing and subsurface cavity was

Project Update  
Laundromat Property, Menomonie, WI 54751  
September 1, 2023  
AET Project No. P-0011071



purged of excess sewer gas. The sewer gas sample was withdrawn over a period of 35-50 minutes and placed into a stainless-steel Summa canister equipped with a flow regulator. The sewer gas sample was analyzed for VOCs by EPA Method TO-15.

Concentrations of VOCs were not detected exceeding sub-slab vapor risk screening levels (VRSLs) or indoor air vapor action levels (VALs) in the sewer gas sample. **Table 2** summarizes the results of laboratory analyses performed on the sewer gas sample.

Groundwater contaminated with low concentrations of PCE and TCE at levels exceeding the WDNR ESs remains on and off-site. The direction of groundwater flow is variable but measured toward the north-northeast in the most recent round of sampling. The extent of groundwater contamination extends to the adjacent UW-Stout paved parking lot to the north of the Site. Based on a lack of contamination in temporary wells TW-8 and TW-12, groundwater contamination does not appear to extend south beyond 11<sup>th</sup> Avenue West and northwest beyond 2<sup>nd</sup> Street West.

The majority of the groundwater contamination area is capped by buildings and asphalt parking lots and based on the depth to water measured in the UW-Stout parking lot in temporary wells TW-9 and TW-10 (15.90 & 19.70 feet) the low concentrations of PCE and TCE should not present a vapor intrusion risk.

Based on the low concentrations of VOCs at the source area, which resulted in no exceedances of WDNR VRSLs or VALs in the sewer gas sample at the Site, it is our opinion that there is no need to further sample the sanitary sewer lines upgradient and downgradient of the Site.

Based on these results, we would like to discuss the if there is a need for additional monitoring wells and vapor sampling to bring the Site to closure.

I have also included comments and concerns from Wayne Moser (RP) and Michele Waldner (property owner) that we can discuss during our meeting.

If you have any questions or require additional information, please give me a call.

Sincerely,  
**American Engineering Testing, Inc.**

A handwritten signature in blue ink that reads 'Michael K. Neal'.

Michael K. Neal, Professional Hydrologist  
Geomorphologist

Direct Phone: 715-201-9116  
Cell Phone: 715-894-6455  
Email: [mneal@teamAET.com](mailto:mneal@teamAET.com)

Project Update  
Laundromat Property, Menomonie, WI 54751  
September 1, 2023  
AET Project No. P-0011071



Attachments: Table 1. Groundwater Analytical Results  
Table 2. Vapor Analytical Results  
Figure 1. Site Location Map  
Figure 2. Site Map  
Figure 3. Groundwater Data May/June 2023  
Appendix A. Soil Boring Logs

cc: Wayne Moser, Quarters Unlimited, email  
Michele Waldner, Chavin Properties, LLC, email

August 31, 2023

Mr. Thompson,

Wayne and myself have complied with the requests by the WDNR for over 2 years now. It is my understanding that although elevated levels exist, the levels are declining quickly indicating the contamination is clearly not from the current business and will continue to decline. I ask the WDNR to close this investigation for the following reasons.

-As a small business owner providing a service to the community, the continued work and cost associated with the work is not sustainable for a small business owner

-Levels continue to decrease, indicating no further contamination

-No wells can and will be drilled in this area as the area is on city water

-The area of concern is a paved parking lot

Please consider the closure of this activity as there is no risk to the community for the reasons I've stated above.

Michele Waldner

Owner, Outback Wash Shack

# Tables

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TABLE 1 (page 1 of 7)

ANALYTICAL RESULTS - GROUNDWATER

LAUNDROMAT PROPERTY SITE, MENOMONIE, WISCONSIN

AET PROJECT NO. P-0011071

	MW-1					NR 140 Remedial Action Limits	
Date	9/15/21	5/10/22	8/2/22	11/1/22	5/23/23	ES	PAL
Elevation (ft)	88.73	88.91	88.39	88.17	89.22		
ANALYTE							
VOCs (ppb)							
Naphthalene	< 0.34	< 0.34	0.7*B	< 0.34	< 0.34	100	10
PCE	<b>3.2</b>	<b>2.3</b>	<b>4.2</b>	<b>4.3</b>	<b>4.6</b>	5	0.5
1,2,4- & 1,3,5-TMB	< 0.34	< 0.36	1.57*B	< 0.36	< 0.36	480	96
TCE	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	5	0.5
Total Xylenes	< 0.22	< 0.22	0.32*	< 0.22	< 0.22	2,000	400

--- = not analyzed or no standard

ppb = parts per billion

Well Depth (feet): 24

PCE = tetrachloroethene/tetrachloroethylene TCE = trichloroethene/trichloroethylene

TOC Elevation (feet): 99.63

TMB = trimethylbenzene

VOC = volatile organic compounds

Date Installed: 14-Sep-21

Only VOCs detected are listed in the table.

Screen Length (feet): 15

\* = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

B = Compound was found in the blank and sample.

**Bold** numbers indicate concentrations above the ES outlined in NR 140.10.

*Italic* numbers indicate concentrations above the PAL outlined in NR 140.10.

TABLE 1 (page 2 of 7)

ANALYTICAL RESULTS - GROUNDWATER

LAUNDROMAT PROPERTY SITE, MENOMONIE, WISCONSIN

AET PROJECT NO. P-0011071

		MW-2					NR 140 Remedial Action Limits		
Date	9/15/21	5/10/22	8/2/22	11/1/22	5/23/23				
Elevation (ft)	88.82	88.98	88.53	88.34	89.31				
<u>ANALYTE</u>							ES	PAL	
VOCs (ppb)									
PCE	<b>12</b>	<i>4.8</i>	<b>8.3</b>	<b>6.9</b>	<i>3.7</i>	5	0.5		
1,2,4- & 1,3,5-TMB	< 0.36	< 0.36	0.77*B	< 0.36	< 0.36	480	96		
TCE	0.24*	< 0.16	< 0.16	< 0.16	< 0.16	5	0.5		
Total Xylenes	< 0.22	< 0.22	0.31*	< 0.22	< 0.22	2,000	400		

--- = not analyzed or no standard

ppb = parts per billion

Well Depth (feet): 20

PCE = tetrachloroethene/tetrachloroethylene TCE = trichloroethene/trichloroethylene

TOC Elevation (feet): 100.46

TMB = trimethylbenzene

VOC = volatile organic compounds

Date Installed: 14-Sep-21

\*Only VOCs detected are listed in the table.

Screen Length (feet): 10

\* = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

B = Compound was found in the blank and sample.

**Bold** numbers indicate concentrations above the ES outlined in NR 140.10.

*Italic* numbers indicate concentrations above the PAL outlined in NR 140.10.

TABLE 1 (page 3 of 7)

ANALYTICAL RESULTS - GROUNDWATER

LAUNDROMAT PROPERTY SITE, MENOMONIE, WISCONSIN

AET PROJECT NO. P-0011071

		MW-3					NR 140 Remedial Action Limits		
Date	9/15/21	5/10/22	8/2/22	11/1/22	5/23/23				
Elevation (ft)	82.95	87.63	87.51	86.96	89.35				
ANALYTE							ES	PAL	
VOCs (ppb)									
Benzene	0.31*	< 2.9	< 0.15	< 0.15	< 0.15	5	0.5		
Naphthalene	0.36*	< 6.7	0.66*B	< 0.34	< 0.34	100	10		
PCE	<b>560</b>	<b>300</b>	<b>94</b>	<b>290</b>	<b>7.2</b>	5	0.5		
1,2,4- & 1,3,5-TMB	0.64*	< 7.2	0.75*B	< 0.36	< 0.36	480	96		
TCE	<b>20</b>	<b>30</b>	0.54	1.5	< 0.16	5	0.5		

--- = not analyzed or no standard

ppb = parts per billion

Well Depth (feet): 20

PCE = tetrachloroethene/tetrachloroethylene TCE = trichloroethene/trichloroethylene

TOC Elevation (feet): 100.47

TMB = trimethylbenzene

VOC = volatile organic compounds

Date Installed: 14-Sep-21

Only VOCs detected are listed in the table.

Screen Length (feet): 10

\* = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

B = Compound was found in the blank and sample.

**Bold** numbers indicate concentrations above the ES outlined in NR 140.10.

*Italic* numbers indicate concentrations above the PAL outlined in NR 140.10.



TABLE 1 (page 4 of 7)

ANALYTICAL RESULTS - GROUNDWATER

LAUNDROMAT PROPERTY SITE, MENOMONIE, WISCONSIN

AET PROJECT NO. P-0011071

MW-4					NR 140 Remedial Action Limits			
Date	5/11/22	8/2/22	11/1/22	5/23/23			ES	PAL
Elevation (ft)	90.70	89.02	88.23	90.71				
ANALYTE					ES	PAL		
VOCs (ppb)								
Naphthalene	0.47*	0.66*B	< 0.34	< 0.34	100	10		
PCE	< 0.37	< 0.37	< 0.37	< 0.37	5	0.5		
1,2,4- & 1,3,5-TMB	< 0.36	0.73*B	< 0.36	< 0.36	480	96		
TCE	< 0.16	< 0.16	< 0.16	< 0.16	5	0.5		

--- = not analyzed or no standard

ppb = parts per billion

Well Depth (feet):

24

PCE = tetrachloroethene/tetrachloroethylene

TCE = trichloroethene/trichloroethylene

TOC Elevation (feet):

99.63

TMB = trimethylbenzene

VOC = volatile organic compounds

Date Installed:

14-Sep-21

Only VOCs detected are listed in the table.

Screen Length (feet):

15

\* = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

B = Compound was found in the blank and sample.

**Bold** numbers indicate concentrations above the ES outlined in NR 140.10.

*Italic* numbers indicate concentrations above the PAL outlined in NR 140.10.

TABLE 1 (page 5 of 7)

ANALYTICAL RESULTS - GROUNDWATER

LAUNDROMAT PROPERTY SITE, MENOMONIE, WISCONSIN

AET PROJECT NO. P-0011071

	MW-5				NR 140 Remedial Action Limits	
Date	5/11/22	8/2/22	11/1/22	5/23/23	ES	PAL
Elevation (ft)	90.59	89.77	89.44	90.69		
ANALYTE						
VOCs (ppb)						
Naphthalene	0.34*	< 0.34	< 0.34	< 0.34	100	10
PCE	3.4	1.4	1.6	2.9	5	0.5
1,2,4- & 1,3,5-TMB	<b>0.94*</b>	< 0.36	< 0.36	< 0.36	480	96
TCE	0.51	< 0.16	< 0.16	< 0.16	5	0.5
Total Xylenes	0.85*	< 0.22	< 0.22	< 0.22	2,000	400

--- = not analyzed or no standard

ppb = parts per billion

Well Depth (feet): 24

PCE = tetrachloroethene/tetrachloroethylene

TCE = trichloroethene/trichloroethylene

TOC Elevation (feet): 99.63

TMB = trimethylbenzene

VOC = volatile organic compounds

Date Installed: 14-Sep-21

Only VOCs detected are listed in the table.

Screen Length (feet): 15

\* = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

<b>Bold</b> numbers indicate concentrations above the ES outlined in NR 140.10.
<i>Italic</i> numbers indicate concentrations above the PAL outlined in NR 140.10.

TABLE 1 (page 6 of 7)

ANALYTICAL RESULTS - GROUNDWATER

LAUNDROMAT PROPERTY SITE, MENOMONIE, WISCONSIN

AET PROJECT NO. P-0011071

MW-6					NR 140 Remedial Action Limits			
Date	5/11/22	8/2/22	11/1/22	5/23/23			ES	PAL
Elevation (ft)	87.27	87.12	87.09	87.52				
ANALYTE					ES	PAL		
VOCs (ppb)								
Chloroform**	3.2	1.2*	0.9*	1.6*	6	0.6		
cis-1,2-Dichloroethene	< 0.41	< 0.41	0.6*	< 0.41	70	7		
Ethylbenzene	0.2*	< 0.18	< 0.18	< 0.18	700	140		
PCE	<b>29</b>	<b>34</b>	<b>15</b>	<b>42</b>	5	0.5		
1,2,4- & 1,3,5-TMB	0.58*	< 0.36	< 0.36	< 0.36	480	96		
TCE	1.6	3.1	1.6	2.4	5	0.5		
Total Xylenes	0.77*	< 0.22	< 0.22	< 0.22	2,000	400		

--- = not analyzed or no standard

ppb = parts per billion

Well Depth (feet): 24

PCE = tetrachloroethene/tetrachloroethylene

TCE = trichloroethene/trichloroethylene

TOC Elevation (feet): 99.63

TMB = trimethylbenzene

VOC = volatile organic compounds

Date Installed: 14-Sep-21

Only VOCs detected are listed in the table.

Screen Length (feet): 15

\* = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

**Bold** numbers indicate concentrations above the ES outlined in NR 140.10.

*Italic* numbers indicate concentrations above the PAL outlined in NR 140.10.

\*\* = Chloroform is a common laboratory contaminant.

**TABLE 1 (7 of 7)**  
**ANALYTICAL RESULTS - GROUNDWATER - TEMPORARY WELLS**  
**LAUNDROMAT PROPERTY SITE, MENOMONIE, WISCONSIN**  
**AET PROJECT NO. P-0011071**

	GPW-8	GPW-9	GPW-10	GPW-12	Trip Blank	<i>NR 140 Remedial Action Limits</i>			
Date	6/6/2023								
Temporary Well	TW-8	TW-9	TW-10	TW-12	---				
Depth to Water (ft)	11.80	15.90	19.70	28.15	---				
<b>ANALYTE</b>						<i>ES</i>	<i>PAL</i>		
VOCs (ppb)									
cis-1,2-Dichloroethene	< 0.41	2	0.47*	< 0.41	< 0.41	<i>70</i>	<i>7</i>		
1,4-Dioxane	< 0.12	< 0.12	< 0.13	< 0.14	---	<i>3</i>	<i>0.3</i>		
Tetrachloroethene (PCE)	< 0.37	<b>4.6</b>	<b>7.2</b>	< 0.37	< 0.37	<i>5</i>	<i>0.5</i>		
trans-1,2-Dichloroethene	< 0.35	0.49*	< 0.35	< 0.35	< 0.35	<i>100</i>	<i>20</i>		
Trichloroethene (TCE)	< 0.16	<b>8.1</b>	<i>0.71</i>	< 0.16	< 0.16	<i>5</i>	<i>0.5</i>		

--- = not analyzed or no standard

ppb = parts per billion

PCE = tetrachloroethene/tetrachloroethylene

TCE = trichloroethene/trichloroethylene

VOC = volatile organic compound

Only VOCs detected are listed in the table.

\* = Result is < the Reporting Limit but > or equal to the Method Detection Limit and the concentration is an approximate value.

**Bold** numbers indicate concentrations above the ES outlined in NR 140.10.

*Italic* numbers indicate concentrations above the PAL outlined in NR 140.10.

**TABLE 2  
ANALYTICAL RESULTS - SEWER GAS  
LAUNDROMAT PROPERTY SITE, MENOMONIE, WISCONSIN  
AET PROJECT NO. P-0011071**

	Sewer Clean-Out	<i>Small Commercial Vapor Risk Screening Levels</i>	
Date	5/24/23		
<u>ANALYTE</u>		Indoor Air VAL	SSVRSL
Method TO-15 (ppb v/v)			
Carbon disulfide	1.2*	3,100	103,333
Chloroform	2	1.1	36
Dichlorodifluoromethane	0.55*	88	3,000
Ethylbenzene	1.8*	11	360
Tetrachloroethene (PCE)	5.8	26	840
Toluene	1.4*	22,000	733,333
Trichloroethene (TCE)	< 0.33	1.6	53
Trichlorofluoromethane	038*	---	---
m-Xylene & p-Xylene	5.9*	100	3,400
o-Xylene	1.7*	100	3,400

--- = No Standard

SSVRSL = sub-slab vapor risk screening level

VAL = vapor action level

\* = Result is < the Reporting Limit but > or equal to the Method Detection Limit and the concentration is an approximate value.

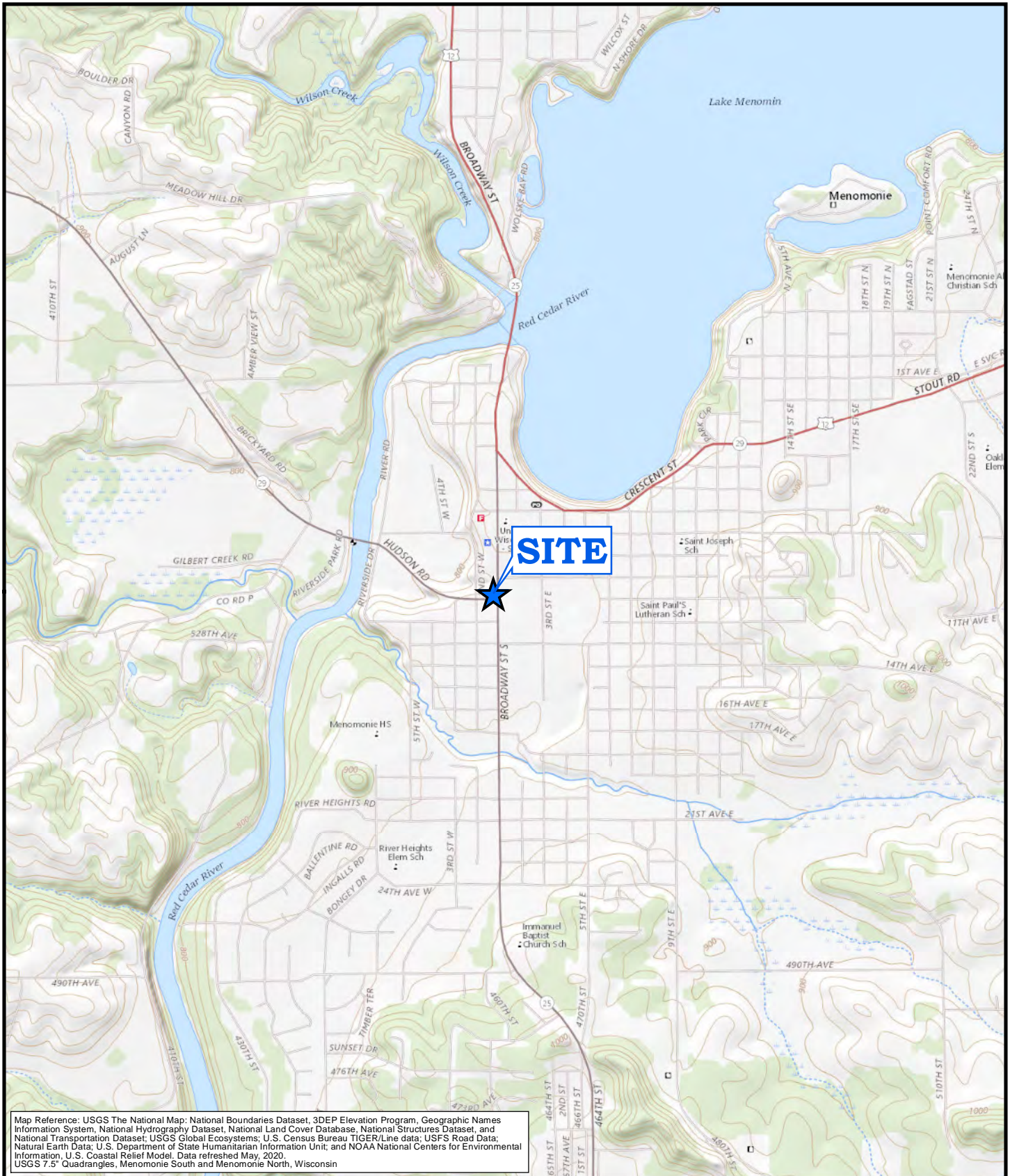
**Bold** numbers indicate concentrations above the IAVAL.

**Red** numbers indicate concentrations above the SSVRSL.

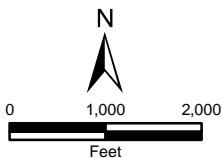
Samples were collected using summa canisters. The shut-in test method was used for leak testing on the sampling train.

# Figures

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**AMERICAN  
ENGINEERING  
TESTING, INC.**



**Figure 1**  
Site Location Map

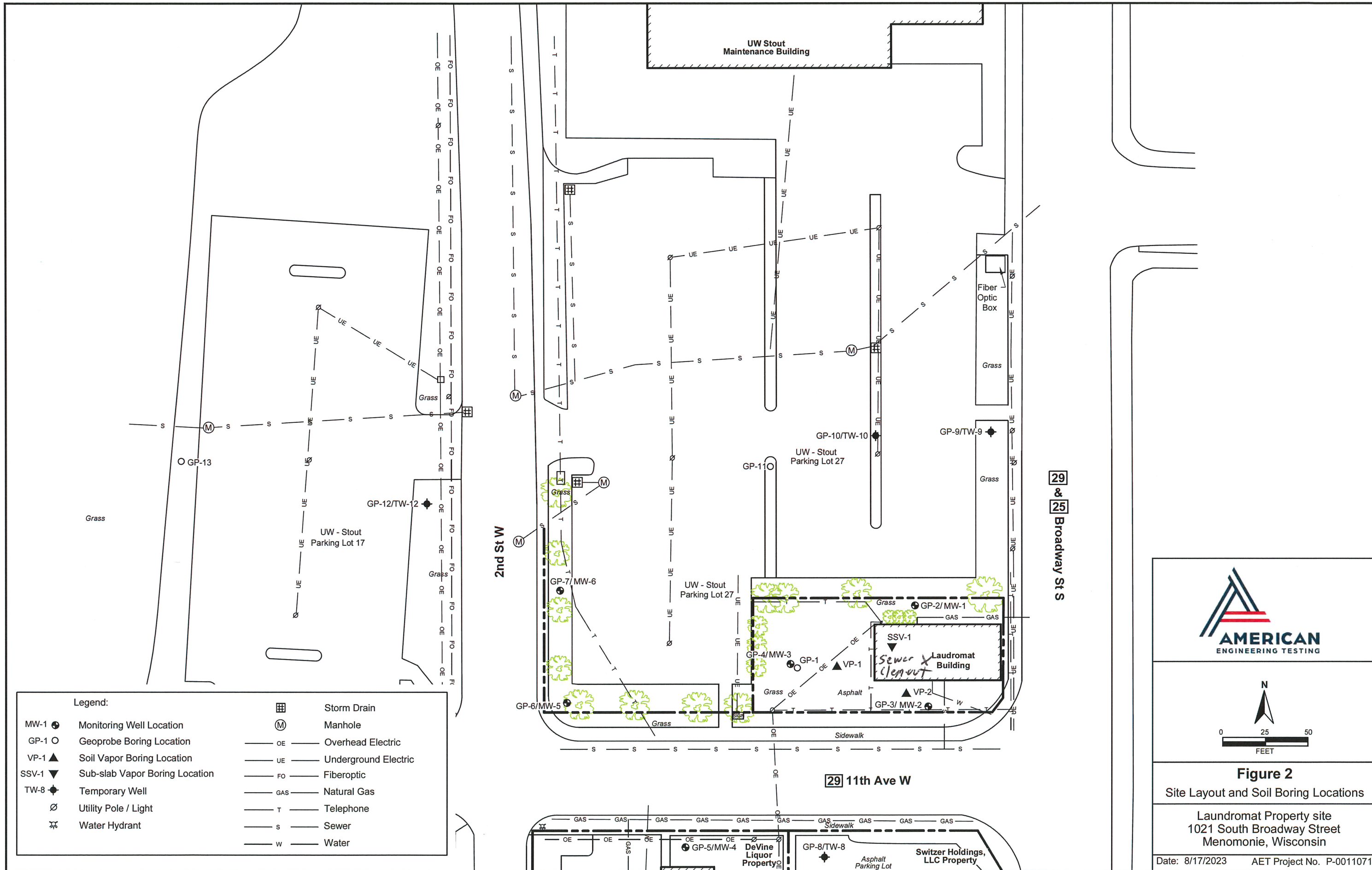
Site Investigation

Laundromat Property site  
1021 South Broadway Street  
Menomonie, Wisconsin

Date: 11/17/2022

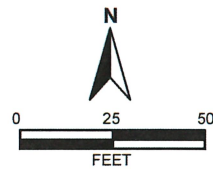
AET Project No. P-0011071





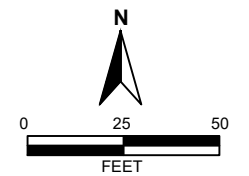
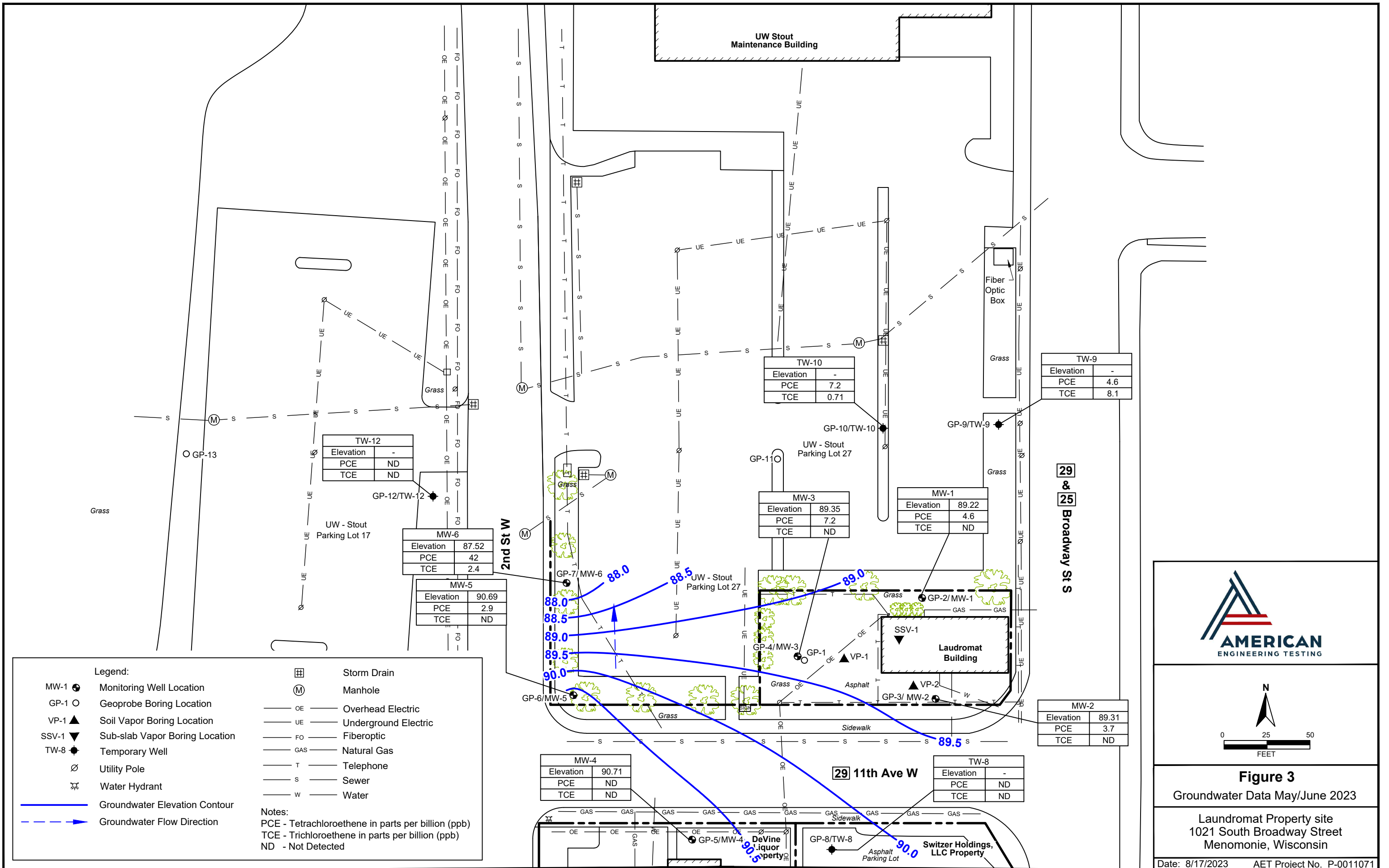
Legend:

MW-1 ●	Monitoring Well Location	⊠	Storm Drain
GP-1 ○	Geoprobe Boring Location	Ⓜ	Manhole
VP-1 ▲	Soil Vapor Boring Location	— OE —	Overhead Electric
SSV-1 ▼	Sub-slab Vapor Boring Location	— UE —	Underground Electric
TW-8 ◆	Temporary Well	— FO —	Fiberoptic
⊘	Utility Pole / Light	— GAS —	Natural Gas
⊕	Water Hydrant	— T —	Telephone
		— S —	Sewer
		— W —	Water



**Figure 2**  
 Site Layout and Soil Boring Locations  
 Laundromat Property site  
 1021 South Broadway Street  
 Menomonie, Wisconsin  
 Date: 8/17/2023 AET Project No. P-0011071





**Figure 3**  
Groundwater Data May/June 2023

Laundromat Property site  
1021 South Broadway Street  
Menomonie, Wisconsin

# Appendix A

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Soil Boring Logs

Route To:  Watershed/Wastewater  Waste Management   
 Remediation/Revelopment  Other

Page 1 of 1

Facility/Project Name <u>Laundromat Property</u>		License/Permit/Monitoring Number	Boring Number <u>GP-8</u>
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: <u>CV</u> Last Name: _____ Firm: <u>AET</u>		Date Drilling Started <u>06/06/2023</u> m m d d y y y y	Date Drilling Completed <u>06/06/2023</u> m m d d y y y y
WI Unique Well No.	DNR Well ID No.	Well Name <u>TW-8</u>	Final Static Water Level Feet MSL
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/> State Plane _____ N, _____ E		Surface Elevation Feet MSL	Borehole Diameter <u>2</u> inches
SW 1/4 of SW 1/4 of Section <u>26</u> , T <u>28</u> N, R <u>13</u> W		Lat _____ "	Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S _____ Feet <input type="checkbox"/> W
Facility ID <u>Q17007160</u>	County <u>Dunn</u>	County Code <u>12</u>	Civil Town/City/ or Village <u>Menomonie</u>

Sample	Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
										Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
				5	ASPHALT & GRAVEL FILL DK BRW SILTY SAND w gravel				0		M				
				10	Brown CG Sand & gravel	SP			0		M				
				15	Tan Clay	CL			0		W				
				20	EOB 16'										
				25											
				30											
				35											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [Signature] Firm: AET

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Route To:  Watershed/Wastewater  Waste Management   
 Remediation/Revelpment  Other

Page 1 of 1

Facility/Project Name <u>Laundromat Property</u>		License/Permit/Monitoring Number	Boring Number <u>GP-9</u>
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: <u>CV</u> Last Name: Firm: <u>AET</u>		Date Drilling Started <u>06.06.2003</u> m m d d y y y y	Date Drilling Completed <u>06.06.2003</u> m m d d y y y y
WI Unique Well No.	DNR Well ID No.	Well Name <u>TW-9</u>	Borehole Diameter <u>2</u> inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>		Final Static Water Level Feet MSL	Surface Elevation Feet MSL
State Plane N, E <u>SW 1/4 of SW 1/4 of Section 26, T28 N, R 13 W</u>		Lat <u>0</u> ' " Long <u>0</u> ' "	Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W
Facility ID <u>Q17007160</u>	County <u>Dunn</u>	County Code <u>17</u>	Civil Town/City/ or Village <u>Menomonie</u>

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
				<u>TOP SOIL</u>											
			<u>5</u>	<u>DK Brw Sand Fill</u>				<u>0</u>		<u>M</u>					
			<u>10</u>	<u>DK Brw silty sand some gravel</u>				<u>0</u>		<u>M</u>					
			<u>15</u>	<u>BLACK PEAT</u>				<u>0</u>		<u>M</u>					
			<u>20</u>	<u>Brw silty sand + gravel</u>				<u>0</u>		<u>M</u>					
			<u>25</u>					<u>0</u>		<u>W</u>					
			<u>30</u>												
			<u>35</u>												
				<u>EOB 20'</u>											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [Signature] Firm AET

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Route To: Watershed/Wastewater  Waste Management   
Remediation/Revelpment  Other

Page 1 of 1

Facility/Project Name <u>Laundromat Property</u>		License/Permit/Monitoring Number		Boring Number <u>GP-10</u>	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: <u>CV</u> Last Name: Firm: <u>AET</u>		Date Drilling Started <u>06/06/2023</u> m m d d y y y y		Date Drilling Completed <u>06/06/2023</u> m m d d y y y y	
WI Unique Well No.		DNR Well ID No.		Well Name	
Final Static Water Level Feet MSL		Surface Elevation Feet MSL		Borehole Diameter <u>2</u> inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>		State Plane _____ N, _____ E		Local Grid Location	
SW 1/4 of SW 1/4 of Section <u>26</u> , T <u>28</u> N, R <u>13</u> W		Lat _____ ' "		Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID <u>Q17007160</u>		County <u>Dunn</u>		County Code <u>17</u>	
				Civil Town/City/ or Village <u>Menomonie</u>	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			5'	ROAD Gravel Sand Gravel Brick Wood concrete				0		M				
			10'	DK Bow Silty Sand + gravel				0		M				
			15'	Grey clay				0		M				
			20'	Sandy clay				0		M				
			25'	EOB 23'				0		M				
			30'											
			35'											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <u>[Signature]</u>	Firm <u>AET</u>
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Route To: Watershed/Wastewater  Waste Management   
Remediation/Revelpment  Other

Page 1 of 1

Facility/Project Name <u>Laundromat Property</u>		License/Permit/Monitoring Number		Boring Number <u>GP-11</u>	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: <u>CV</u> Last Name: Firm: <u>AET</u>		Date Drilling Started <u>06.06.2003</u> m m d d y y y y	Date Drilling Completed <u>06.06.2003</u> m m d d y y y y	Drilling Method <u>Geoprobe</u>	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter <u>2</u> inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>			Local Grid Location		
State Plane <u>N</u> , <u>E</u>		Lat <u>0</u> ' "	Long <u>0</u> ' "		<input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W
SW 1/4 of SW 1/4 of Section <u>26</u> , T <u>28</u> N, R <u>13</u> W					
Facility ID <u>Q17007160</u>	County <u>Dunn</u>	County Code <u>17</u>	Civil Town/City/ or Village <u>Menomonie</u>		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			5	Road Gravel + sand				0	M					
			10	DK brw Silty sand + gravel some bricks	SP			0	M					
			15	Core-1 clay	CL			0	M					
			20					0	M					
			25	VF silty sand Tan/brn Hard	SP			0	M					
			30	Refusal @ 28'										
			35											

I hereby certify that the information on this form is true and correct to the best of my knowledge.  
Signature: [Signature] Firm: AET

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Route To: Watershed/Wastewater  Waste Management   
Remediation/Revelpment  Other

Page 1 of 1

Facility/Project Name <u>Laundromat Property</u>		License/Permit/Monitoring Number	Boring Number <u>GP-12</u>
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: <u>CV</u> Last Name: Firm: <u>AET</u>		Date Drilling Started <u>06.06.2003</u> m m d d y y y y	Date Drilling Completed <u>06.06.2003</u> m m d d y y y y
WI Unique Well No.	DNR Well ID No.	Well Name <u>FW-12</u>	Drilling Method <u>Geoprobe</u>
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>		Final Static Water Level Feet MSL	Surface Elevation Feet MSL
State Plane N, E <u>SW 1/4 of SW 1/4 of Section 26, T28 N, R 13 W</u>		Lat 0 ' "	Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W
Facility ID <u>Q17007160</u>	County <u>Dunn</u>	County Code <u>17</u>	Civil Town/City/ or Village <u>Menomonie</u>

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			5'	TOP SOIL + Fill DK Brw silty sand				0	M					
				Brw silty sand				0	M					
			10'	DK Brw silty Sand some gravel	SP			0	M					
			15'					0	M					
			20'	Grey clay	CL			0	M					
				Black sandy gravel				0	M					
			25'	DK sandy clay some gravel + wood	SP			0	M					
			30'	Grey clay	CL			0	M					
				Brw silty sand	SP			0	W					
			35'	EOB 34'										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature 	Firm <u>AET</u>
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Route To: Watershed/Wastewater  Waste Management   
Remediation/Revelpment  Other

Page 1 of 1

Facility/Project Name <u>Laundromat Property</u>		License/Permit/Monitoring Number	Boring Number <u>GP-13</u>
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: <u>CV</u> Last Name: Firm: <u>AET</u>		Date Drilling Started <u>06.06.2003</u> m m d d y y y y	Date Drilling Completed <u>06.06.2003</u> m m d d y y y y
WI Unique Well No.	DNR Well ID No.	Well Name	Drilling Method <u>Geoprobe</u>
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>		Final Static Water Level Feet MSL	Surface Elevation Feet MSL
State Plane N, E		Local Grid Location	
<u>SW 1/4 of SW 1/4 of Section 26, T28 N, R 13 W</u>		Feet <input type="checkbox"/> N <input type="checkbox"/> E Feet <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID <u>Q17007160</u>	County <u>Dunn</u>	County Code <u>17</u>	Civil Town/City/ or Village <u>Menomonie</u>

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
				<u>Topsail + Fill</u>											
			<u>5</u>	<u>DK brw silty sand Some gravel</u>				<u>0</u>		<u>M</u>					
				<u>Grey Sandy clay</u>				<u>0</u>		<u>M</u>					
			<u>10</u>	<u>DK Sandy clay Some gravel</u>				<u>0</u>		<u>M</u>					
			<u>15</u>	<u>Brw silty sand + gravel</u>	<u>SP</u>			<u>0</u>		<u>M</u>					
			<u>20</u>	<u>Blk silty sand + gravel</u>				<u>0</u>		<u>M</u>					
			<u>25</u>	<u>Brw silty sand some gravel</u>				<u>0</u>		<u>M</u>					
				<u>Grey sandy clay</u>	<u>CL</u>			<u>0</u>		<u>M</u>					
				<u>Brw silty sand some gravel</u>	<u>SP</u>			<u>0</u>		<u>M</u>					
			<u>30</u>	<u>Grey Sandy clay</u>	<u>CL</u>			<u>0</u>		<u>M</u>					
				<u>weathered sandstone</u>	<u>R</u>										
			<u>35</u>	<u>Refusal @ 34.6</u>											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [Signature] Firm: AET

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