



GILES

ENGINEERING ASSOCIATES, INC.

GEOTECHNICAL, ENVIRONMENTAL & CONSTRUCTION MATERIALS CONSULTANTS

- Atlanta, GA
- Baltimore, MD
- Dallas, TX
- Los Angeles, CA
- Manassas, VA
- Milwaukee, WI

October 27, 2015
Revised April 30, 2019

Wisconsin Department of Natural Resources
141 NW Barstow Street
Waukesha, WI 53188

Attention: Ms. Shanna Laube-Anderson

Subject: Change Order No. 3 - Proposed Additional Site Investigation
and Cost Estimate
Martinizing Dry Cleaning Site
1730 State Street
Racine, Wisconsin
Proposal No. 1EP-1904012
BRRTS No. 02-52-549890/FID No. 252251010

Dear Ms. Laube-Anderson:

Giles Engineering Associates, Inc. (Giles) has prepared this Change Order #3 which includes a scope of services and cost estimate on behalf of BMP Realty LLC, owner of the Martinizing Racine property (the "Site"), located at 1730 State Street, in Racine, Wisconsin (Figure 1). Based on our previous correspondence and dialog, it is our understanding that the Wisconsin Department of Natural Resources (WDNR) has requested that additional site investigation (SI) work be completed to determine the vertical extent of contamination near soil boring GP-1/MW-2. In addition, up to four quarterly groundwater sampling events are required to establish the groundwater contaminant trends.

BACKGROUND

The Site operated as a gasoline filling station in the early 1930s to 1970. In 1970, the Site became a self-service coin laundromat and a dry cleaning facility. Dry cleaning operations were performed at the Site until approximately 2004. Currently, the former dry cleaning portion of the building Site is occupied by a self-service laundromat. The north portion of the building has been developed as a second tenant space and is currently leased as a cell phone store. Site Plan illustrating the current dry cleaner building layout and the configuration of the former gasoline station is included as Figure 2.

The results of the initial environmental investigation (2007) and the SI (2010) have shown that low level petroleum volatile organic compounds (PVOCs) and elevated concentrations of chlorinated VOCs (CVOCs) were detected in the soil and groundwater at the Site. The petroleum impacts are associated with the historic use of the Site as a gasoline station, and CVOCs are associated with the former on-Site dry cleaning operation. The detected PVOCs in



soil are generally present on the western portion of the Site at concentrations below the WDNR NR 720 residual contaminant levels (RCLs) and are illustrated on Figure 3A. CVOCs were detected in soil at levels exceeding the RCLs for protection of groundwater. The distribution of the CVOCs generally appears to be beneath the building and in the paved area immediately northwest of the building. The highest soil concentrations exceed the WDNR landfill standard for Contaminated-Out, Non-Hazardous Material and are located immediately north and west of the service door on the north side of the building. Figure 3B shows the general distribution of CVOCs in soil.

The direction of groundwater flow has been generally to the south or southwest across the Site. However, a "mounded" groundwater condition was noted during groundwater sampling events performed in August and December of 2010, with the high point being monitoring well MW-2, located on the north side of the building.

PVOCs were detected in the groundwater on the west portion of the Site. The detected concentration of benzene exceeded its NR 140 Preventative Action Limit (PAL) or Enforcement Standard (ES) in a groundwater grab sample from February 2010 and during the two quarterly groundwater sampling events in 2010. The distribution of PVOCs in groundwater is illustrated on Figure 4A.

Groundwater samples collected from monitoring wells located north, west, and south of the building contained concentrations of CVOCs above their respective NR 140 ES and PAL. The distribution of CVOCs in groundwater is illustrated on Figure 4B.

At this time, it is our understanding that additional SI activities are necessary to determine the vertical extent of contamination near soil boring GP-1/MW-2. In addition, the WDNR has requested that we establish the current groundwater contaminant trends, the extent of groundwater contamination to the north, west and east, and a vapor intrusion assessment for the property to the north. The additional SI activities will be completed prior to bidding the remediation phase of this project.

PROPOSED SCOPE OF SERVICES

- Prepare this Change Order #3 to provide a description of the proposed soil, soil gas, and groundwater sampling services and associated costs for WDNR review and approval.
- Survey the existing groundwater monitoring well network, wells MW-1 through MW-8, and gauge the groundwater elevations in each of the wells.
- Re-develop existing wells MW-1 through MW-8. The wells were last sampled in 2010; therefore redevelopment is necessary to ensure representative groundwater samples are collected. Development water will be temporarily stored on-Site until Giles can arrange proper disposal.
- Collect one groundwater sample from each of the groundwater monitoring wells to evaluate the current groundwater condition at the Site. Groundwater samples will be collected using a peristaltic pump and low-flow sampling techniques. The groundwater samples will be





submitted to a Wisconsin Licensed Analytical Laboratory for analysis of VOCs by U.S. EPA Method 8260.

- Install two sub-slab vapor points within the on-Site building, and one within the off-Site garage building that abuts the Site to the north. Collect one sub-slab soil gas sample from each of the three vapor points and submit the samples for laboratory analysis of VOCs.
- Coordinated with a subcontractor for the installation of a sub-slab depressurization system beneath the existing on-Site building's concrete slab. The system will require two separate manifolds due to the presence of a structural wall down the center of the building.
- Perform a sub-slab pressure field test after installation of the depressurization system to ensure the system is working properly, and that an adequate pressure field is established (> or = to 0.04 inches of water).
- Evaluate the groundwater results from the initial groundwater sampling event. Based on the results of the initial sampling event, Giles will complete up to four soil borings, and install up to four NR-141 variant wells, and/or install up to two NR-141 variance piezometers to further define the extent of soil and groundwater contamination at the Site. Two soil samples will be collected from each boring completed and submitted to a Wisconsin licensed analytical laboratory for analysis of VOCs. Any additional wells/piezometers installed will be surveyed and developed.
- Perform up to three quarterly groundwater sampling events of the entire groundwater monitoring well network. Groundwater will be collected using low-flow sampling techniques. The groundwater samples will be submitted to a Wisconsin Licensed Analytical Laboratory for analysis of VOCs by U.S. EPA Method 8260.
- Coordinate the transport and disposal of waste water generated during development and from the groundwater sampling events.
- Prepare a Supplemental Investigation Report summarizing the tasks performed, results of soil, soil gas, and groundwater chemical analyses, and provide recommendations for additional delineation, site characterization, monitoring, or remediation.

COST

The estimated cost to complete referenced scope of services is \$35,075.00. A detailed cost summary is attached as Table 1 and also presented in the attached DERF Investigation Bid Sheet (WDNR Form 4400-233). The estimated costs have been prepared based on good-faith estimates submitted from select qualified commodity service providers based on the proposed scope of services. Due to the potential for WDNR revisions/additional to the scope of services, final compensation will be determined based on the actual lineal footage of borings drilled, waste disposal tipping and transportation fees, number of types of laboratory tests performed, and the actual costs for professional services. Also, it should be noted that the fees presented in the attached bid sheets do not include costs for expedited analytical turnaround time





Proposed Additional Site Investigation and Cost Estimate
Martinizing Dry Cleaning Site - Change Order No. 3
Racine, Wisconsin
Project No. 1EP-1904012
Page 4

If project costs are envisioned to exceed the estimated amount due to circumstances listed in NR169.21(2)(e), Giles will not incur additional costs in excess of \$3,000.00 or 5 percent of the total project amount (whichever is lower) without prior authorization from you and the WDNR. Additional communication, correspondence, or supplemental reporting is not included in the scope of services or cost estimate.

SCHEDULE

Giles anticipates 10 to 12 months from the anticipated date of authorization to proceed to complete through the completion of the proposed scope of services.

CLOSURE

Thank you for the opportunity to offer our engineering services. Should you have any questions relating to the proposed services or if we can be of additional assistance, please do not hesitate to call.

Respectfully submitted,

GILES ENGINEERING ASSOCIATES, INC.

Kevin T. Bugel, P.G., C.P.G.
Environmental Division Manager

ENCLOSURES

Figures: Figure 1 Site location Map
 Figure 2 Site Plan
 Figure 3A Soil Analytical Results (Petroleum VOCs)
 Figure 3B Soil Analytical Results (Chlorinated VOCs)
 Figure 4A Groundwater Analytical Results (Petroleum VOCs)
 Figure 4B Groundwater Analytical Results (Chlorinated VOCs)

Attachments: Table 1 Proposed Cost Estimate
DERF Site Investigation Bid Sheet Form 4400-233 (R4/04)

Distribution: Wisconsin Department of Natural Resources
 Attn: Ms. Shanna Laube-Anderson (via USPS and DNR Upload)
 BMP Realty
 Attn: Mr. Jason Berry (via email: jberry1907@gmail.com)

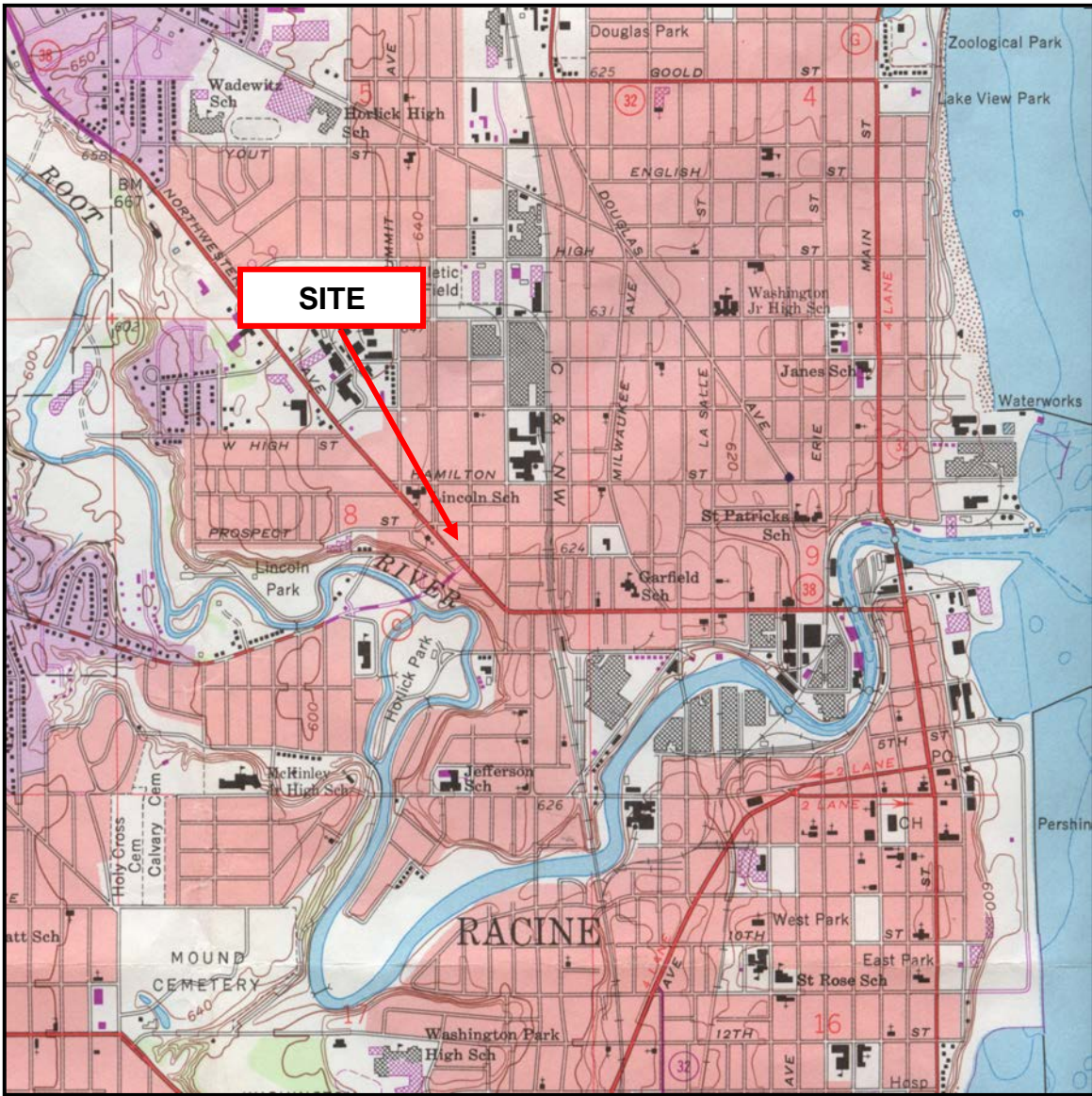


**TABLE 1
PROPOSED COST ESTIMATE
SITE INVESTIGATION CHANGE ORDER NO. 3- STATE STREET MARTINIZING RACINE, WI
RACINE, WISCONSIN**

Phase No.	Description	CONSULTANT FEES			SUBCONTRACTOR FEES	Budget
		Labor	Expenses	Equipment		
TASK 01:	SAMPLING PLAN PREPARATION	\$990	\$0	\$0	\$0	\$990
TASK 02:	SHSP PREPARATION & UTILITY LOCATE	\$150	\$0	\$0	\$0	\$150
TASK 03:	WELL RE-DEVELOP, SURVEY, & GAUGING	\$1,530	\$60	\$165	\$0	\$1,755
TASK 04:	GW SAMPLING (INITIAL EVENT)	\$1,290	\$60	\$160	\$540	\$2,050
TASK 05:	ON-SITE/OFF-SITE SUB-SLAB VAPOR TESTING	\$1,290	\$60	\$450	\$885	\$2,685
TASK 06:	SUB-SLAB DEPRESSURIZATION SYSTEM INSTALL	\$1,530	\$60	\$0	\$5,000	\$6,590
TASK 07:	ADDITIONALL BORINGS/WELLS - IF NEEDED	\$1,140	\$60	\$240	\$4,610	\$6,050
TASK 08:	GW SAMPLING (3 QUARTERLY EVENTS)	\$6,120	\$360	\$480	\$3,335	\$10,295
TASK 09:	SI REPORT PREPARATION	\$4,510	\$0	\$0	\$0	\$4,510
Fee Estimate		\$18,550	\$660	\$1,495	\$14,370	\$35,075

**TABLE 1
PROPOSED COST ESTIMATE
SITE INVESTIGATION CHANGE ORDER NO. 3- STATE STREET MARTINIZING RACINE, WI
RACINE, WISCONSIN**

SUBCONTRACTOR FEES DETAIL		SUBCONTRACTOR FEES	Budget
TASK 01:	SAMPLING PLAN PREPARATION	\$0	\$0
TASK 02:	SHSP PREPARATION & UTILITY LOCATE	\$0	\$0
TASK 03:	WELL RE-DEVELOP, SURVEY, & GAUGING	\$0	\$0
TASK 04:	GW SAMPLING (INITIAL EVENT)	\$540	\$540
	Laboratory Subcontractor Costs	\$540	
TASK 05:	ON-SITE/OFF-SITE SUB-SLAB VAPOR TESTING	\$885	\$885
	Laboratory Subcontractor Costs	\$885	
TASK 06:	SUB-SLAB DEPRESSURIZATION SYSTEM INSTALL	\$5,000	\$5,000
	American Radon	\$5,000	
TASK 07:	ADDITIONALL BORINGS/WELLS - IF NEEDED	\$4,610	\$4,610
	Laboratory Subcontractor Costs	\$810	
	Direct-push Subcontractor Costs	\$3,800	
TASK 08:	GW SAMPLING (3 QUARTERLY EVENTS)	\$3,335	\$3,335
	Laboratory Subcontractor Costs	\$2,835	
	Purge/ Dev. Water Soil Waste Disposal Subcontractor Costs	\$500	
TASK 09:	SI REPORT PREPARATION	\$0	\$0
TOTALS:			\$14,370



Source: USGS *Racine South, Wisconsin 7.5-Minute Series* (topographic)
 Quadrangle Map (1958; photorevised in 1971 and 1976)

Scale: 1:24,000
 Contour Interval: 10 Feet

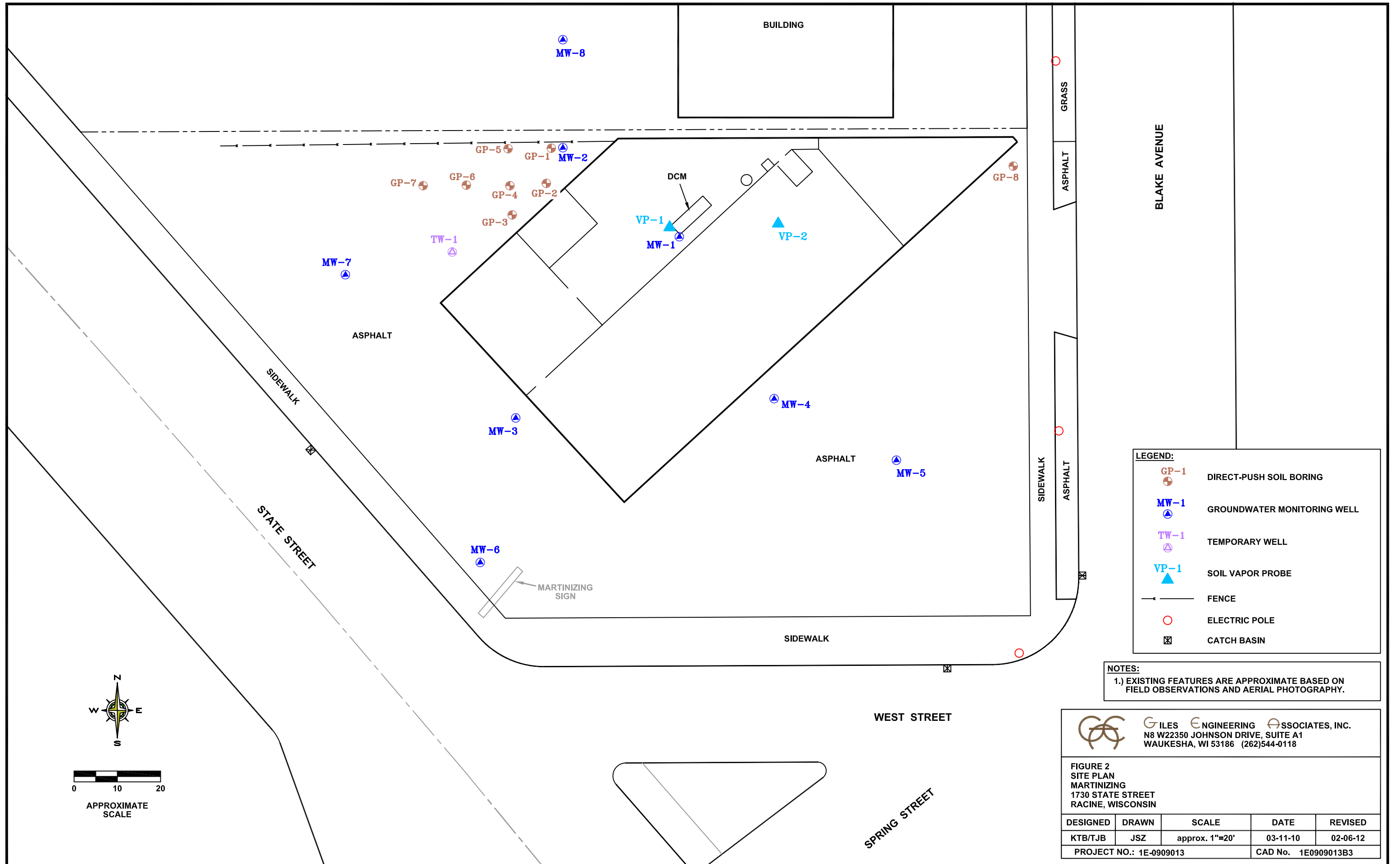


FIGURE 1
SITE LOCATION MAP

Martinizing Racine
1730 State Street
Racine, Wisconsin
Project No. 1EP-1904012



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LEGEND:

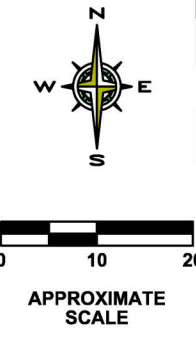
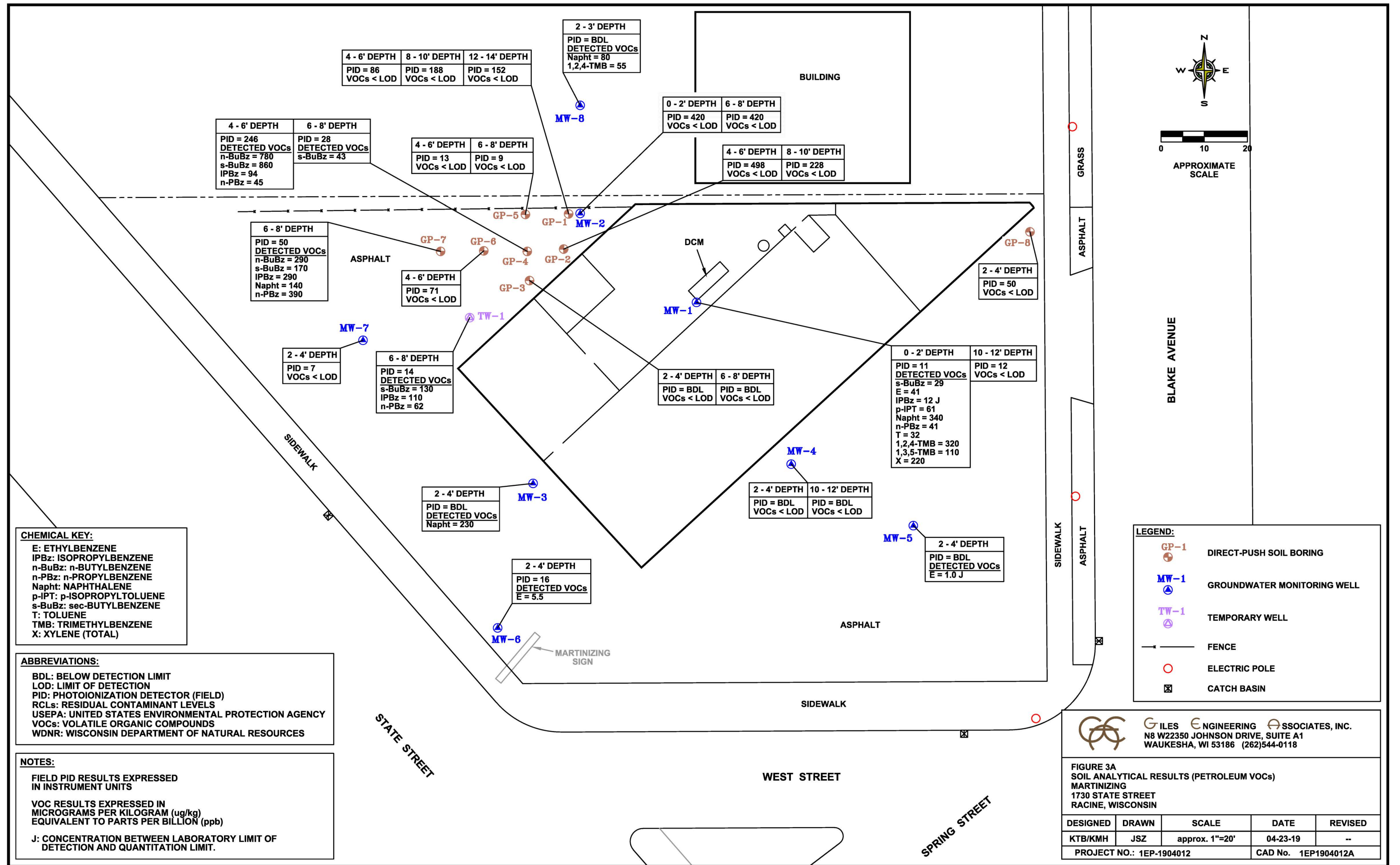
- GP-1 DIRECT-PUSH SOIL BORING
- MW-1 GROUNDWATER MONITORING WELL
- TW-1 TEMPORARY WELL
- VP-1 SOIL VAPOR PROBE
- FENCE
- ELECTRIC POLE
- CATCH BASIN

NOTES:
 1.) EXISTING FEATURES ARE APPROXIMATE BASED ON FIELD OBSERVATIONS AND AERIAL PHOTOGRAPHY.

GILES ENGINEERING ASSOCIATES, INC.
 N8 W22350 JOHNSON DRIVE, SUITE A1
 WAUKESHA, WI 53186 (262)544-0118

FIGURE 2
 SITE PLAN
 MARTINIZING
 1730 STATE STREET
 RACINE, WISCONSIN

DESIGNED	DRAWN	SCALE	DATE	REVISED
KTB/TJB	JSZ	approx. 1"=20'	03-11-10	02-06-12
PROJECT NO.: 1E-0909013			CAD No. 1E0909013B3	



CHEMICAL KEY:
 E: ETHYLBENZENE
 IPBz: ISOPROPYLBENZENE
 n-BuBz: n-BUTYLBENZENE
 n-PBz: n-PROPYLBENZENE
 Napht: NAPHTHALENE
 p-IPT: p-ISOPROPYLTOLUENE
 s-BuBz: sec-BUTYLBENZENE
 T: TOLUENE
 TMB: TRIMETHYLBENZENE
 X: XYLENE (TOTAL)

ABBREVIATIONS:
 BDL: BELOW DETECTION LIMIT
 LOD: LIMIT OF DETECTION
 PID: PHOTOIONIZATION DETECTOR (FIELD)
 RCLs: RESIDUAL CONTAMINANT LEVELS
 USEPA: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 VOCs: VOLATILE ORGANIC COMPOUNDS
 WDNR: WISCONSIN DEPARTMENT OF NATURAL RESOURCES

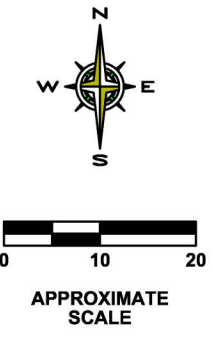
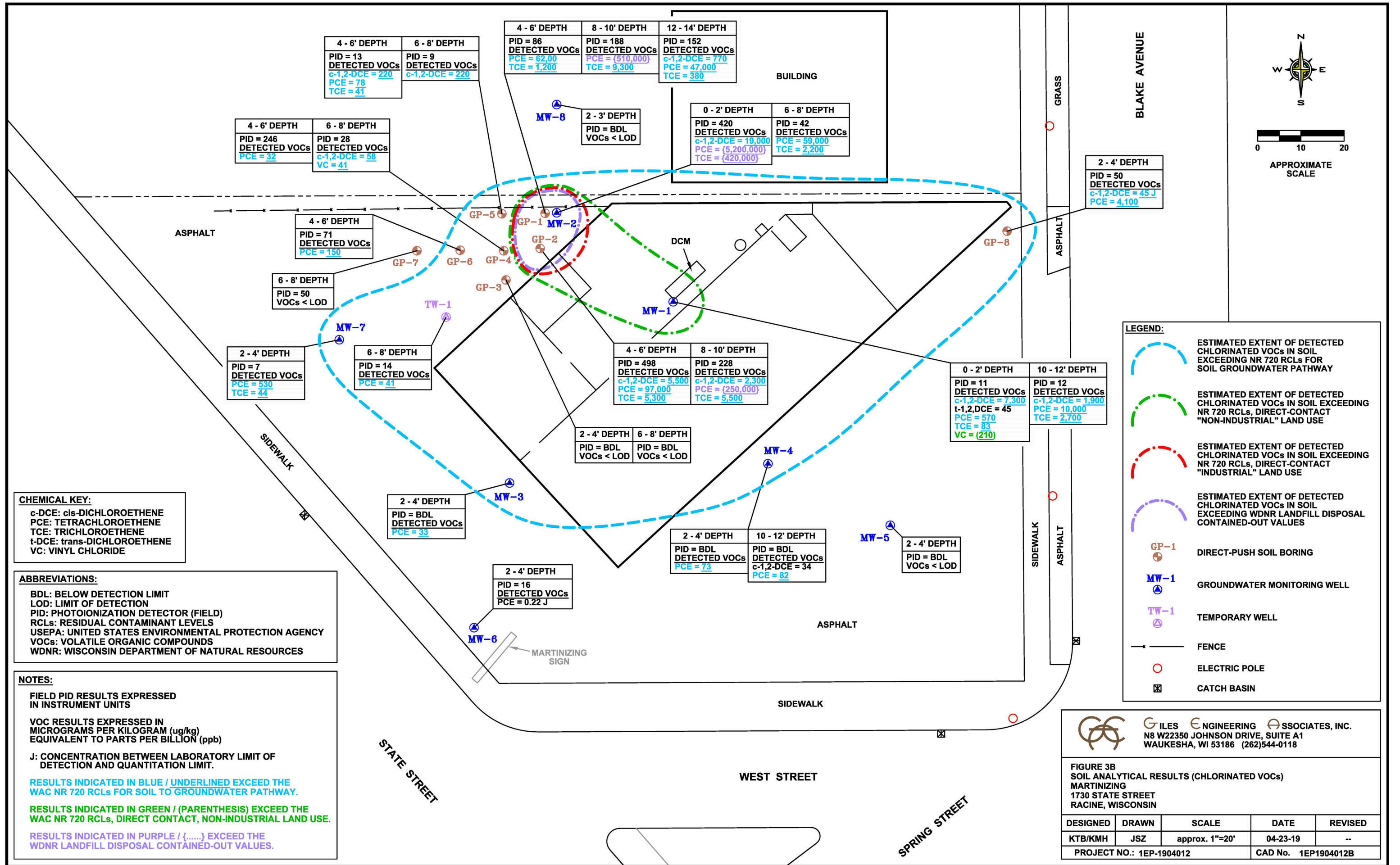
NOTES:
 FIELD PID RESULTS EXPRESSED IN INSTRUMENT UNITS
 VOC RESULTS EXPRESSED IN MICROGRAMS PER KILOGRAM (ug/kg) EQUIVALENT TO PARTS PER BILLION (ppb)
 J: CONCENTRATION BETWEEN LABORATORY LIMIT OF DETECTION AND QUANTITATION LIMIT.

LEGEND:
 GP-1 DIRECT-PUSH SOIL BORING
 MW-1 GROUNDWATER MONITORING WELL
 TW-1 TEMPORARY WELL
 FENCE
 ELECTRIC POLE
 CATCH BASIN

GILES ENGINEERING ASSOCIATES, INC.
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 WAUKESHA, WI 53186 (262)544-0118

**FIGURE 3A
 SOIL ANALYTICAL RESULTS (PETROLEUM VOCs)
 MARTINIZING
 1730 STATE STREET
 RACINE, WISCONSIN**

DESIGNED	DRAWN	SCALE	DATE	REVISED
KTB/KMH	JSZ	approx. 1"=20'	04-23-19	--
PROJECT NO.: 1EP-1904012			CAD No. 1EP1904012A	



CHEMICAL KEY:
 c-DCE: cis-DICHLOROETHENE
 PCE: TETRACHLOROETHENE
 TCE: TRICHLOROETHENE
 t-DCE: trans-DICHLOROETHENE
 VC: VINYL CHLORIDE

ABBREVIATIONS:
 BDL: BELOW DETECTION LIMIT
 LOD: LIMIT OF DETECTION
 PID: PHOTOIONIZATION DETECTOR (FIELD)
 RCLs: RESIDUAL CONTAMINANT LEVELS
 USEPA: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 VOCs: VOLATILE ORGANIC COMPOUNDS
 WDNR: WISCONSIN DEPARTMENT OF NATURAL RESOURCES

NOTES:
 FIELD PID RESULTS EXPRESSED IN INSTRUMENT UNITS
 VOC RESULTS EXPRESSED IN MICROGRAMS PER KILOGRAM (ug/kg) EQUIVALENT TO PARTS PER BILLION (ppb)
 J: CONCENTRATION BETWEEN LABORATORY LIMIT OF DETECTION AND QUANTITATION LIMIT.
 RESULTS INDICATED IN BLUE / UNDERLINED EXCEED THE WAC NR 720 RCLs FOR SOIL TO GROUNDWATER PATHWAY.
 RESULTS INDICATED IN GREEN / (PARENTHESIS) EXCEED THE WAC NR 720 RCLs, DIRECT CONTACT, NON-INDUSTRIAL LAND USE.
 RESULTS INDICATED IN PURPLE / {...} EXCEED THE WDNR LANDFILL DISPOSAL CONTAINED-OUT VALUES.

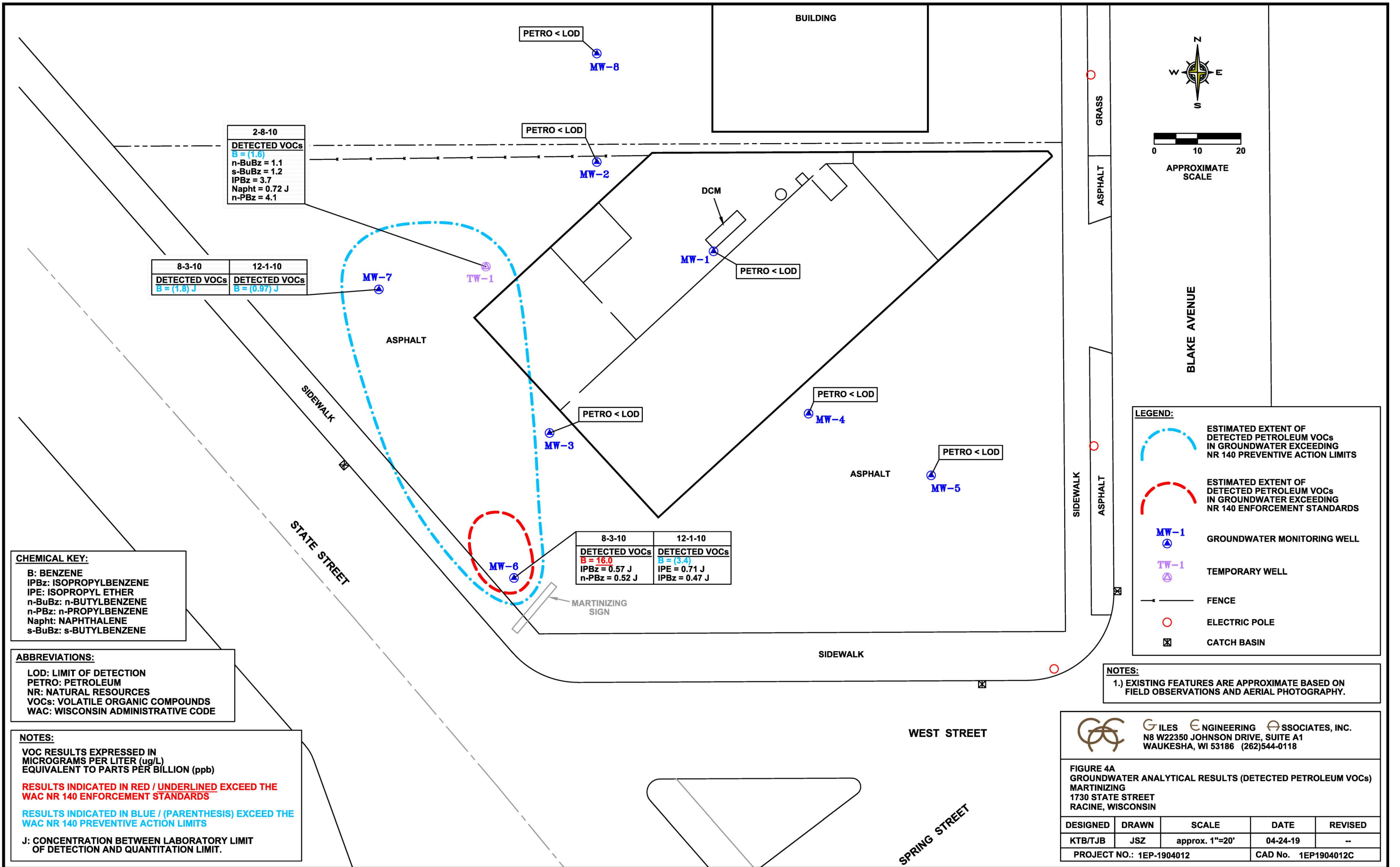
LEGEND:

- ESTIMATED EXTENT OF DETECTED CHLORINATED VOCs IN SOIL EXCEEDING NR 720 RCLs FOR SOIL GROUNDWATER PATHWAY
- ESTIMATED EXTENT OF DETECTED CHLORINATED VOCs IN SOIL EXCEEDING NR 720 RCLs, DIRECT-CONTACT "NON-INDUSTRIAL" LAND USE
- ESTIMATED EXTENT OF DETECTED CHLORINATED VOCs IN SOIL EXCEEDING NR 720 RCLs, DIRECT-CONTACT "INDUSTRIAL" LAND USE
- ESTIMATED EXTENT OF DETECTED CHLORINATED VOCs IN SOIL EXCEEDING WDNR LANDFILL DISPOSAL CONTAINED-OUT VALUES
- GP-1 DIRECT-PUSH SOIL BORING
- MW-1 GROUNDWATER MONITORING WELL
- TW-1 TEMPORARY WELL
- FENCE
- ELECTRIC POLE
- CATCH BASIN

GILES ENGINEERING ASSOCIATES, INC.
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 WAUKESHA, WI 53186 (262)544-0118

**FIGURE 3B
 SOIL ANALYTICAL RESULTS (CHLORINATED VOCs)
 MARTINIZING
 1730 STATE STREET
 RACINE, WISCONSIN**

DESIGNED	DRAWN	SCALE	DATE	REVISED
KTB/KMH	JSZ	approx. 1"=20'	04-23-19	--
PROJECT NO.: 1EP-1904012			CAD No. 1EP1904012B	



2-8-10	
DETECTED VOCs	
B = (1.6)	
n-BuBz = 1.1	
s-BuBz = 1.2	
IPBz = 3.7	
Napht = 0.72 J	
n-PBz = 4.1	

8-3-10	12-1-10
DETECTED VOCs	DETECTED VOCs
B = (1.8) J	B = (0.97) J

8-3-10	12-1-10
DETECTED VOCs	DETECTED VOCs
B = <u>16.0</u>	B = (3.4)
IPBz = 0.57 J	IPE = 0.71 J
n-PBz = 0.52 J	IPBz = 0.47 J

CHEMICAL KEY:
 B: BENZENE
 IPBz: ISOPROPYLBENZENE
 IPE: ISOPROPYL ETHER
 n-BuBz: n-BUTYLBENZENE
 n-PBz: n-PROPYLBENZENE
 Napht: NAPHTHALENE
 s-BuBz: s-BUTYLBENZENE

ABBREVIATIONS:
 LOD: LIMIT OF DETECTION
 PETRO: PETROLEUM
 NR: NATURAL RESOURCES
 VOCs: VOLATILE ORGANIC COMPOUNDS
 WAC: WISCONSIN ADMINISTRATIVE CODE

NOTES:
 VOC RESULTS EXPRESSED IN MICROGRAMS PER LITER (ug/L) EQUIVALENT TO PARTS PER BILLION (ppb)
RESULTS INDICATED IN RED / UNDERLINED EXCEED THE WAC NR 140 ENFORCEMENT STANDARDS
RESULTS INDICATED IN BLUE / (PARENTHESIS) EXCEED THE WAC NR 140 PREVENTIVE ACTION LIMITS
 J: CONCENTRATION BETWEEN LABORATORY LIMIT OF DETECTION AND QUANTITATION LIMIT.

LEGEND:

- ESTIMATED EXTENT OF DETECTED PETROLEUM VOCs IN GROUNDWATER EXCEEDING NR 140 PREVENTIVE ACTION LIMITS
- ESTIMATED EXTENT OF DETECTED PETROLEUM VOCs IN GROUNDWATER EXCEEDING NR 140 ENFORCEMENT STANDARDS
- MW-1 GROUNDWATER MONITORING WELL
- TW-1 TEMPORARY WELL
- FENCE
- ELECTRIC POLE
- CATCH BASIN

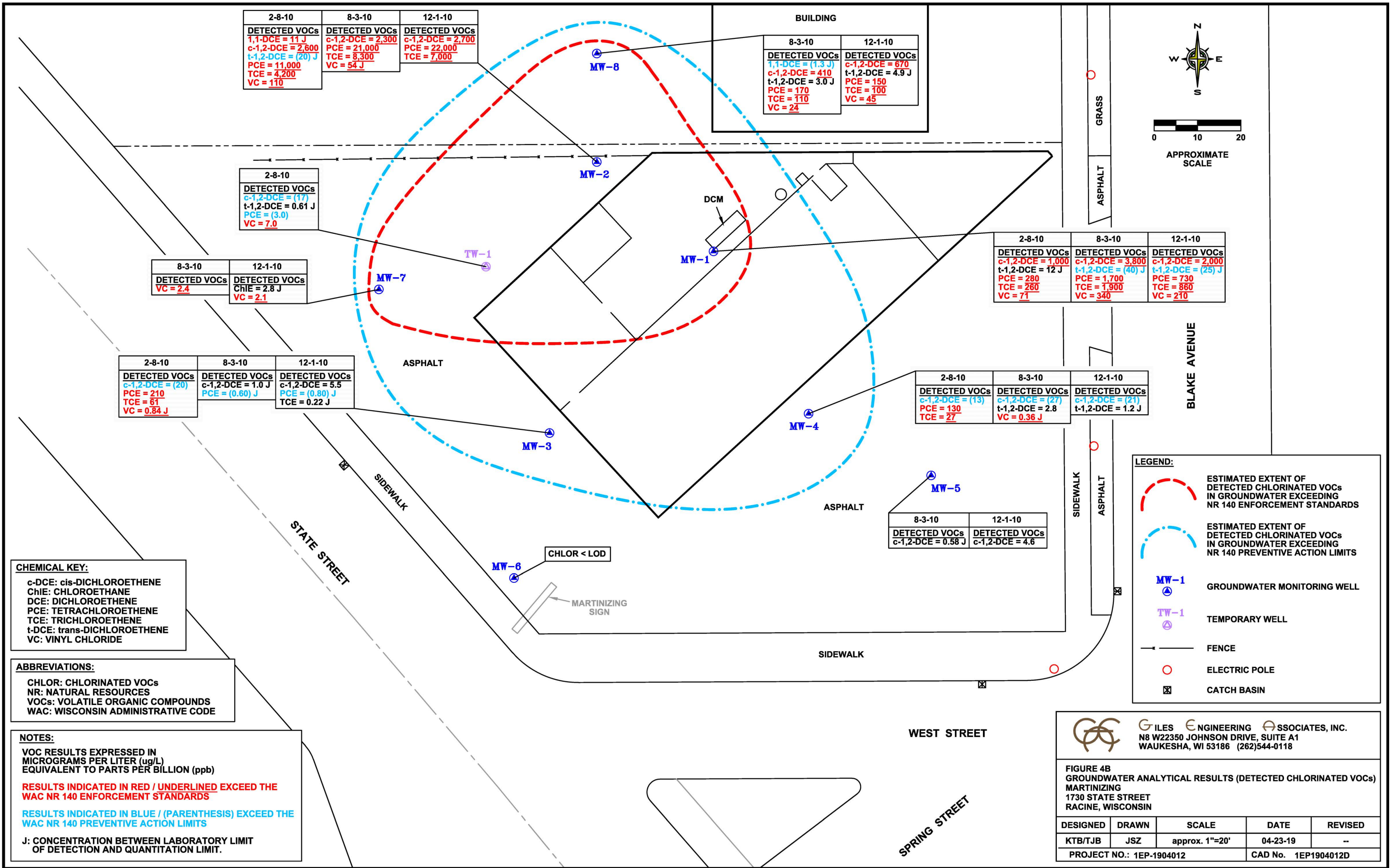
NOTES:
 1.) EXISTING FEATURES ARE APPROXIMATE BASED ON FIELD OBSERVATIONS AND AERIAL PHOTOGRAPHY.

GILES ENGINEERING ASSOCIATES, INC.
 N8 W22350 JOHNSON DRIVE, SUITE A1
 WAUKESHA, WI 53186 (262)544-0118

FIGURE 4A
 GROUNDWATER ANALYTICAL RESULTS (DETECTED PETROLEUM VOCs)
 MARTINIZING
 1730 STATE STREET
 RACINE, WISCONSIN

DESIGNED	DRAWN	SCALE	DATE	REVISED
KTB/TJB	JSZ	approx. 1"=20'	04-24-19	--

PROJECT NO.: 1EP-1904012 CAD No. 1EP1904012C



Notice: Use this form to notify the Department of Natural Resources of the consultant you are selecting to conduct a site investigation and to submit and summarize the bids required in the Dry Cleaner Environmental Response Fund (DERF) Program. This form is authorized under s. 292.65, Wis. Stats. and s. NR 169.23, Wis. Adm. Code. Completion of this form is mandatory for any person applying for DERF reimbursement. Persons who do not submit a completed form will not be eligible for reimbursement under DERF. Personal information will be used to manage the DERF program, and be made available to requesters under Wisconsin's Open Records laws (ss. 19.32-19.39, Wis. Stats.) and requirements.

Complete the following information and submit it to your DNR regional project manager. Copy this form as necessary.

Site Information		
Site name: Martinizing Cleaners Site Investigation	Facility Name: 1730 State Street, Racine WI	BRRTS # 02-52-549890

Consultant Selected	
Consultant Name: Giles Engineering Associates, Inc.	Consultant Address: N8W22350 Johnson Drive Suite A 1 Waukesha, WI 53186

Summary of Costs:			
Consultant Name: Giles Engineering Associates, Inc.		Consultant Name:	
Consulting costs:	\$ 18,550	Consulting costs:	
Drilling costs:	\$ 3,800	Drilling costs:	
Analytical costs:	\$ 5,070	Analytical costs:	
Miscellaneous costs:	\$ 7,655	Miscellaneous costs:	
Total Costs:	\$ 35,075	Total Costs:	

Consultant Name:	
Consulting costs:	
Drilling costs:	
Analytical costs:	
Miscellaneous costs:	
Total Costs:	
Justification for Selection:	

Optional 4th bid information:	
Consultant Name:	
Consulting costs:	
Drilling costs:	
Analytical costs:	
Miscellaneous costs:	
Total Costs:	

Martinizing Cleaners has Selected Giles Engineering to perform the requested services of the RFP because their proposal provides a thorough and complete approach to accomplish the requested work.

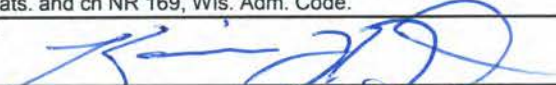
Applicant Information and Certification

I certify that the information contained above is true and correct to the best of my knowledge.

Applicant Name Laurie I. Berry	Date 4-20-2019		
Street Address 3319 Nobb Hill Drive	City Racine	State WI	Zip Code 53406
Signature <i>Laurie I. Berry</i>			

Department Use Only		
Project Manager Approval Signature	Phone Number	Date

If not approved, reason for non-approval:

Site Information	
Site Name Martinizing Cleaners State Street, Racine WI	
Consultant Name: Giles Engineering Associates, Inc.	Applicant Name: Kevin T. Bugel, P.G., C.P.G.
Bid Summary	
Drilling Costs Total =	\$ 3,800
Analytical Costs Total =	\$ 5,070
Consulting Costs Total =	\$ 18,550
Misc Costs Total =	\$ 7,655
Grand Total =	\$ 35,075
I certify that the costs are an accurate estimate of my total projected costs for the site investigation and I understand and will adhere to s.292.65 Stats. and ch NR 169, Wis. Adm. Code.	
Consultant Signature 	Date 4-25-19

Please attach to these forms a written narratige specifying how the tasks outlined in these sheets will be performed.

Consultant Name: Giles Eng
 Site Name: Martinizing Cleaners; State Street Racine, WI
 BRRTS #: 02-52-549890
 Date: 6/11/13

DERF Site Investigation Bid Sheet
Analytical Costs

Form 4400-233 (R 4/04) Page 4 of 6

Parameter	WI Certified Lab			Field Test/Field Kit			Mobile Lab			Total Costs
	\$/sample	# samples	Method Used	\$/sample	# samples	Method Used	\$/Sample \$/Day	# Samples # Days	Method Used	
Solids Analysis										
VOCs	\$67.50	12	8260							\$810.00
Water Analysis (low flow sampling assumed unless otherwise indicated at bottom of this sheet)										
VOCs	\$67.50	50	8260							\$3,375.00
Air Analysis										
VOCs	\$295	3	TO-15							\$885.00
Total Analytical Costs										\$5,070.00

* Natural Attenuation parameters required for consideration of NA as remedy.

Consultant Name: Giles Eng
 Site Name: Martinizing Cleaners, State Street; Racine, WI
 BRRTS #: 02-520549890
 Date: 6/11/13

DERF Site Investigation Bid Sheet
Consultant Costs

Form 4400-233 (R 4/04) Page 5 of 6

Position (specify)	Hourly Rate	Hours/Task																	Total Costs	
		Workplan Development	Access (Off-site)	Receptor Survey	Waste Determination	Drilling Oversight	Soil Sampling	Drilling sampling	Well Development	Hydraulic Conductivity Test	Groundwater sampling	Soil gas/vapor intrusion survey	SSRCL calculations (contained out or remedial actions)	SI Report preparation	RAOR Report preparation	Project Management	Other (specify)			
																	Data Reduction			
Professional Staff																				
Sr. Project Manager	120	2						2	4		8	6		10						\$3,840.00
Staff Hydrogeologist	75	10						12	14		86	28		40		2				\$14,400.00
Office Support Staff																				
CAD Operator	55													4						\$220.00
Clerical	45													2						\$90.00
Total Consulting Costs																				\$18,550.00

Consultant Name: Giles Eng
 Site Name: Martinizing Cleaners; State Street, Racine, WI
 BRRTS #: 02-52-549890
 Date: 6/11/13

DERF Site Investigation Bid Sheet
Miscellaneous Costs
 Form 4400-233 (R 4/04) Page 6 of 6

Major Activity	Specifications	Commodity Unit (specify)	Unit Rate	Number of Units	Total Cost
IDW Disposal					
Groundwater Disposal	Non-Hazardous	per drum	\$125	2	\$250
Groundwater Transportation		trip	\$250	1	\$250
Field Supplies (list)					
Peristaltic Pump			\$40	6	\$240
Water Level Indicator			\$20	6	\$120
Water Quality Meter			\$100	4	\$400
Photoionization detector			\$75	1	\$75
Drums			\$65	2	\$130
Survey Equipment			\$40	2	\$80
Hammer Drill & Supplies			\$150	3	\$450
Other (specify)					
Sub-Slab Depressorization Sys			\$5,000.00	1	\$5,000
Mileage (Not Eligible)		100 Miles\rdtrip	\$0.60	1100	\$660
Total Miscellaneous Costs					\$7,655

Reminders: DERF does not reimburse for attorney, closure or GIS fees. Mileage and meals are also non-reimbursable. Also, costs to prepare a reimbursement application and discuss the application with the department are not reimburseable. No expedited shipping w/o prior PM approval.