GIS REGISTRY INFORMATION

SITE NAME:	Quickfuel						
BRRTS #:	0341283599			**FID #** (if appropriate):			
COMMERCE # (if appropriate):	53225-3607-08						
CLOSURE DATE:	December 28, 2005						
STREET ADDRESS:	5008 N 119th St						
CITY:	Milwaukee						
SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection):	**X =**	677780	**Y =**	294697			
CONTAMINATED MEDIA:	Groundwater		Soil		Both	X	
OFF-SOURCE GW CONTAMINATION >ES:		**Yes**		**No**	X		
• **IF YES, STREET ADDRESS:**							
• **GPS COORDINATES** (meters in WTM91 projection):	**X =**		**Y =**				
OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL):		**Yes**		**No**			
• **IF YES, STREET ADDRESS 1:**							
• **GPS COORDINATES** (meters in WTM91 projection):	**X =**		**Y =**				
CONTAMINATION IN RIGHT OF WAY:		**Yes**		**No**	X		

DOCUMENTS NEEDED

Closure Letter, and any conditional closure letter issued or denial letter issued.	X
Copy of most recent deed, including legal description, for all affected properties	X
Certified survey map or relevant portion of the recorded plat map (*if referenced in the legal description*) for all affected properties	
County Parcel ID number, *if used for county*, for all affected properties	X
Location Map which outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy). If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site.	X
Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy) This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ESs and soil contamination exceeding ch. NR 720 generic or SSRCLs.	X
Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)	X
Tables of Latest Soil Analytical Results (no shading or cross-hatching)	X
Isoconcentration map(s), *if required for site investigation (SI)* (8.5x14" if paper copy). The isoconcentration map should have flow direction and extent of groundwater contamination defined. **If not available, include the latest extent of contaminant plume map.**	X
GW: Table of water level elevations, with sampling dates, and free product noted if present	X
GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)	X
SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour	X
Geologic cross-sections, *if required for SI.* (8.5x14' if paper copy)	
RP certified statement that legal descriptions are complete and accurate.	X
Copies of off-source notification letters (if applicable)	
Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)	
Copy of (soil or land use) deed restriction (s) or deed notice if any required as a condition of closure	
Copy of any maintenance plan referenced in the deed restriction	

commerce.wi.gov
Wisconsin
Department of Commerce

ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
101 West Pleasant Street, Suite 100A
Milwaukee, Wisconsin 53212-3963
TDD #: (608) 264-8777
Fax #: (414) 220-5374
Jim Doyle, Governor
Mary P. Burke, Secretary

December 28, 2005

Mr. Michael Helgesen
Jacobus Energy Inc.
11815 W. Bradley Rd.
PO Box 13009
Milwaukee, WI 53213-0009

RE: **Final Closure**

Commerce # 53225-3607-08B WDNR BRRTS # 03-41-283599
Commerce # 53225-3607-08A WDNR BRRTS # 03-41-537084
Quickfuel, 5008 N. 119th St., Milwaukee

Dear Mr. Helgesen:

The Wisconsin Department of Commerce (Commerce) has received all items required as conditions for closure of the site referenced above. This case is now listed as "closed" on the Commerce database and will be included on the Wisconsin Department of Natural Resources (WDNR) Geographic Information System (GIS) Registry of Closed Remediation Sites to address residual contamination. It is in your best interest to keep all documentation related to the environmental activities that were conducted.

If residual contamination is encountered in the future, it must be managed in accordance with all applicable state and federal regulations. If it is determined that any remaining contamination poses a threat, the case may be reopened and further investigation or remediation may be required.

Thank you for your efforts to bring this case to closure. If you have any questions, please contact me in writing at the letterhead address or by telephone at (414) 220-5375.

Sincerely,

Greg Michael
Hydrogeologist
Site Review Section

cc: Sigma Environmental Services Inc
Case File

DOCUMENT NO. CSM 11

REEL 1991 IMAG 375

ST. BAR OF WISCONSIN FORM 1—1982
WARRANTY DEED

IS SPACE RESERVED FOR RECORDING DATA

5986000

REGISTER'S OFFICE
Milwaukee County, WI } SS
RECORDED AT 9 40 AM
NOV 12 1986
REEL 1991 IMAGE 375
Walter Bryzak REGISTER OF DEEDS

RETURN TO E. Gamsky
Godfrey & Kahn, S.C.
780 N. Water St
Milwaukee, WI 53202

This Deed, made between MILWAUKEE COUNTY

, Grantor,

and THE JACOBUS COMPANY

, Grantee,

Witnesseth, That the said Grantor, for a valuable consideration OF SIXTY-FIVE THOUSAND ($65,000.00) DOLLARS conveys to Grantee the following described real estate in Milwaukee County, State of Wisconsin:

Part of Tax Parcel No: 218-9997-110-5

Parcels 1 and 2 of Certified Survey Map No. 4820, being a division of Lands in the Northeast 1/4 and the Southeast 1/4 of the Southwest 1/4 of Section 31, Township 8 North, Range 21 East, in the City of Milwaukee, Milwaukee County, Wisconsin, recorded in the office of the Register of Deeds for Milwaukee County, Wisconsin on October 3, 1986, as Document No. 5970485.

The property comprises an area of 3.260 acres of vacant land.

APPROVED FOR DESCRIPTION
L.V. Wohlitz
COUNTY D. P. W.

County Board File No. 86-477 adopted September 11, 1986.

APPROVED FOR EXECUTION
CORPORATION COUNSEL

This is not (is not) homestead property. Fee Exempt 77.25(2)

Together with all and singular the hereditaments and appurtenances thereunto belonging;
And Milwaukee County
warrants that the title is good, indefeasible in fee simple and free and clear of encumbrances except easements and restrictions of record.

5986000
RECORD 4.00

and will warrant and defend the same.

Dated this 22nd day of October, 19 86

(SEAL) William F O'Donnell (SEAL)
WILLIAM F O'DONNELL
COUNTY EXECUTIVE

(SEAL) Thomas E. Zablocki (SEAL)
THOMAS E. ZABLOCKI
COUNTY CLERK

AUTHENTICATION

Signature(s)

authenticated this day of , 19

TITLE: MEMBER STATE BAR OF WISCONSIN
(If not, authorized by § 706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY
Patrick F. McElwee

(Signatures may be authenticated or acknowledged. Both are not necessary.)

ACKNOWLEDGMENT

STATE OF WISCONSIN } ss.
Milwaukee County.

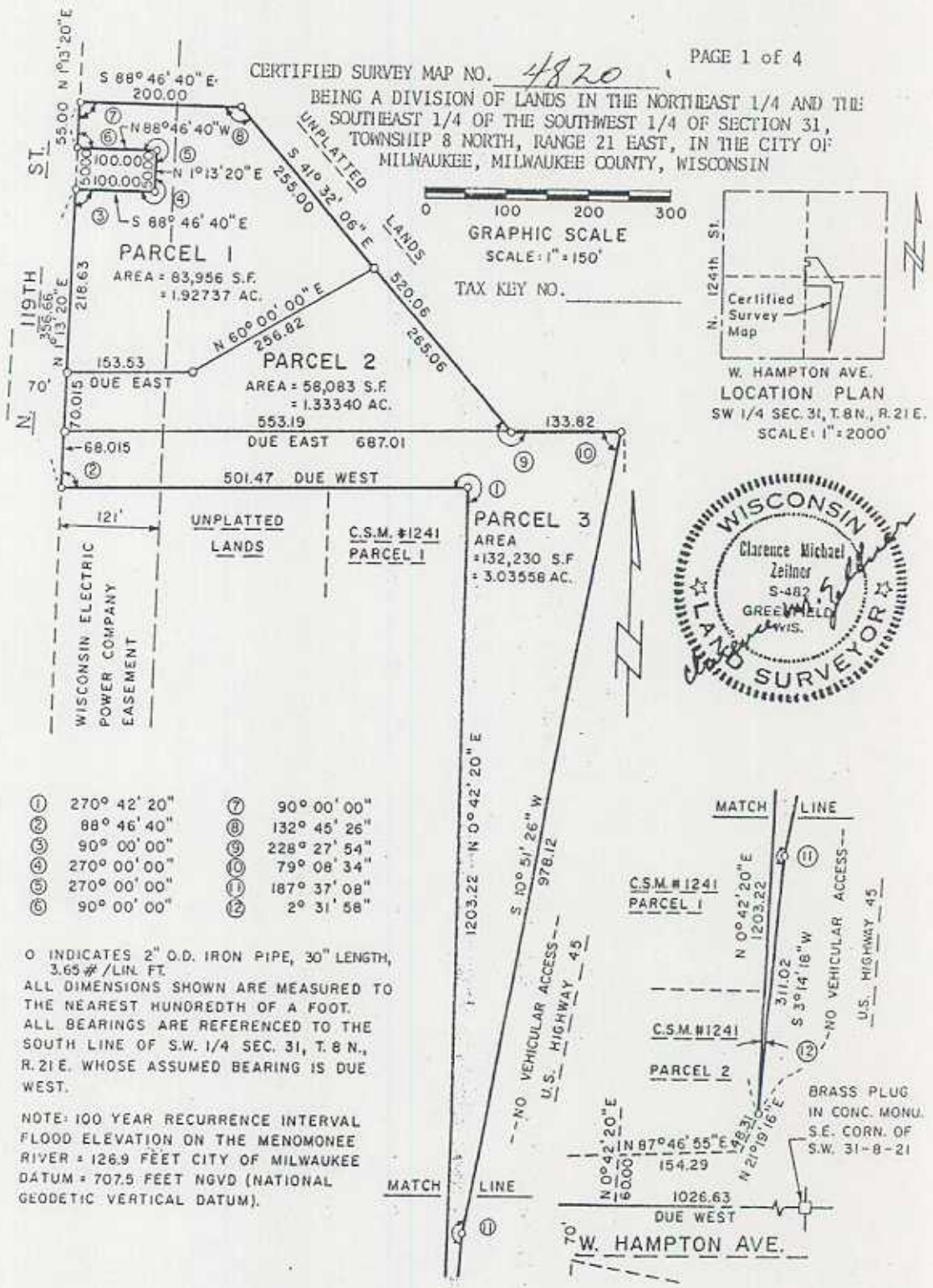
Personally came before me this 22nd day of October, 1986 the above named
WILLIAM F O'DONNELL, COUNTY EXECUTIVE
THOMAS E ZABLOCKI, COUNTY CLERK
to me known to be the person s who executed the foregoing instrument and acknowledge the same.

Patrick F. McElwee
Patrick F. McElwee
Notary Public Milwaukee County, Wis.
My Commission is permanent (If not, state expiration date: July 16, 1989)

*Names of persons signing in any capacity should be typed or printed below their signatures.

CERTIFIED SURVEY MAP NO. 4820

BEING A DIVISION OF LANDS IN THE NORTHEAST 1/4 AND THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 31, TOWNSHIP 8 NORTH, RANGE 21 EAST, IN THE CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN



①	270° 42' 20"	⑦	90° 00' 00"
②	88° 46' 40"	⑧	132° 45' 26"
③	90° 00' 00"	⑨	228° 27' 54"
④	270° 00' 00"	⑩	79° 08' 34"
⑤	270° 00' 00"	⑪	187° 37' 08"
⑥	90° 00' 00"	⑫	2° 31' 58"

○ INDICATES 2" O.D. IRON PIPE, 30" LENGTH, 3.65 #/LIN. FT.

ALL DIMENSIONS SHOWN ARE MEASURED TO THE NEAREST HUNDREDTH OF A FOOT.

ALL BEARINGS ARE REFERENCED TO THE SOUTH LINE OF S.W. 1/4 SEC. 31, T. 8 N., R. 21 E. WHOSE ASSUMED BEARING IS DUE WEST.

NOTE: 100 YEAR RECURRENCE INTERVAL FLOOD ELEVATION ON THE MENOMONEE RIVER = 126.9 FEET CITY OF MILWAUKEE DATUM = 707.5 FEET NGVD (NATIONAL GEODETIC VERTICAL DATUM).

WISCONSIN
Clarence Michael Zeitner
S-482
GREENFIELD, WIS.
LAND SURVEYOR

PARCEL IDENTIFICATION NUMBERS

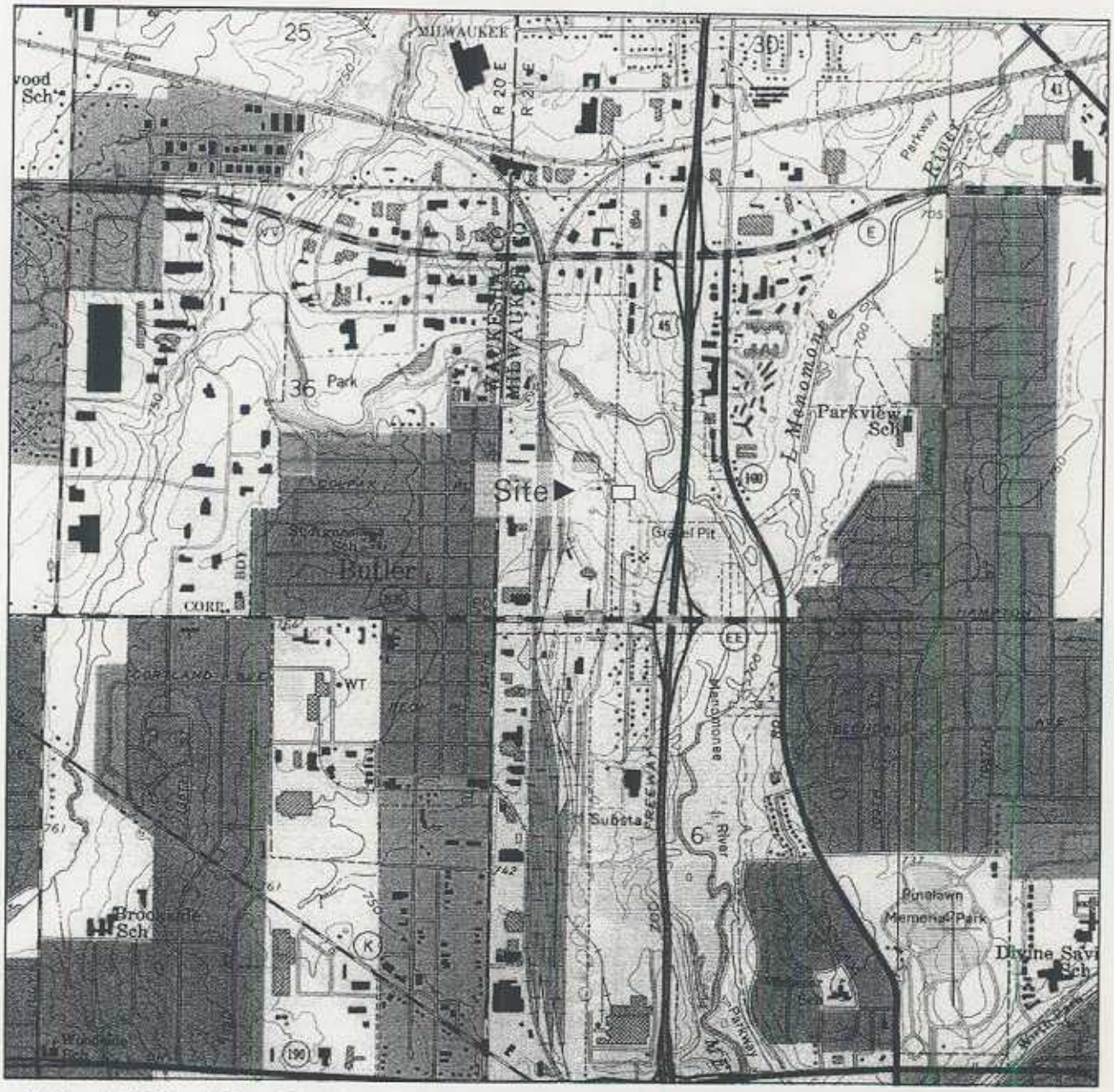
- Tax Key Numbers for the Jacobus Energy, Inc. property located at 5008 N. 119th Street, Milwaukee, Wisconsin:

  218-0031-100-1

GEOGRAPHIC POSITIONS

- WTM91 coordinates for Jacobus Energy, Inc. property located at 5008 N. 119th Street, Milwaukee, Wisconsin:

Southwest corner:	677780, 294697
Northwest corner:	677783, 294810
Northeast corner:	677844, 294810
Southeast corner:	677960, 294702



NE ¼ of SW ¼ of Sec. 31, T8N, R21E Adapted from U.S.G.S. 7.5 minute series, Wauwatosa, Wisconsin, quadrangle dated 1958 (revised 1994).

SCALE 1:24000

1 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET
DOTTED LINES REPRESENT 5-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

N

Figure 1. Site Location Map
Jacobus Quick Fuel Facility
5008 N. 119th Street
Milwaukee, Wisconsin

THE SIGMA GROUP
SIGMA ENVIRONMENTAL SERVICES, INC.
SIGMA DEVELOPMENT, INC.
SIGMA LEASING, INC.

8983fig1.ppt

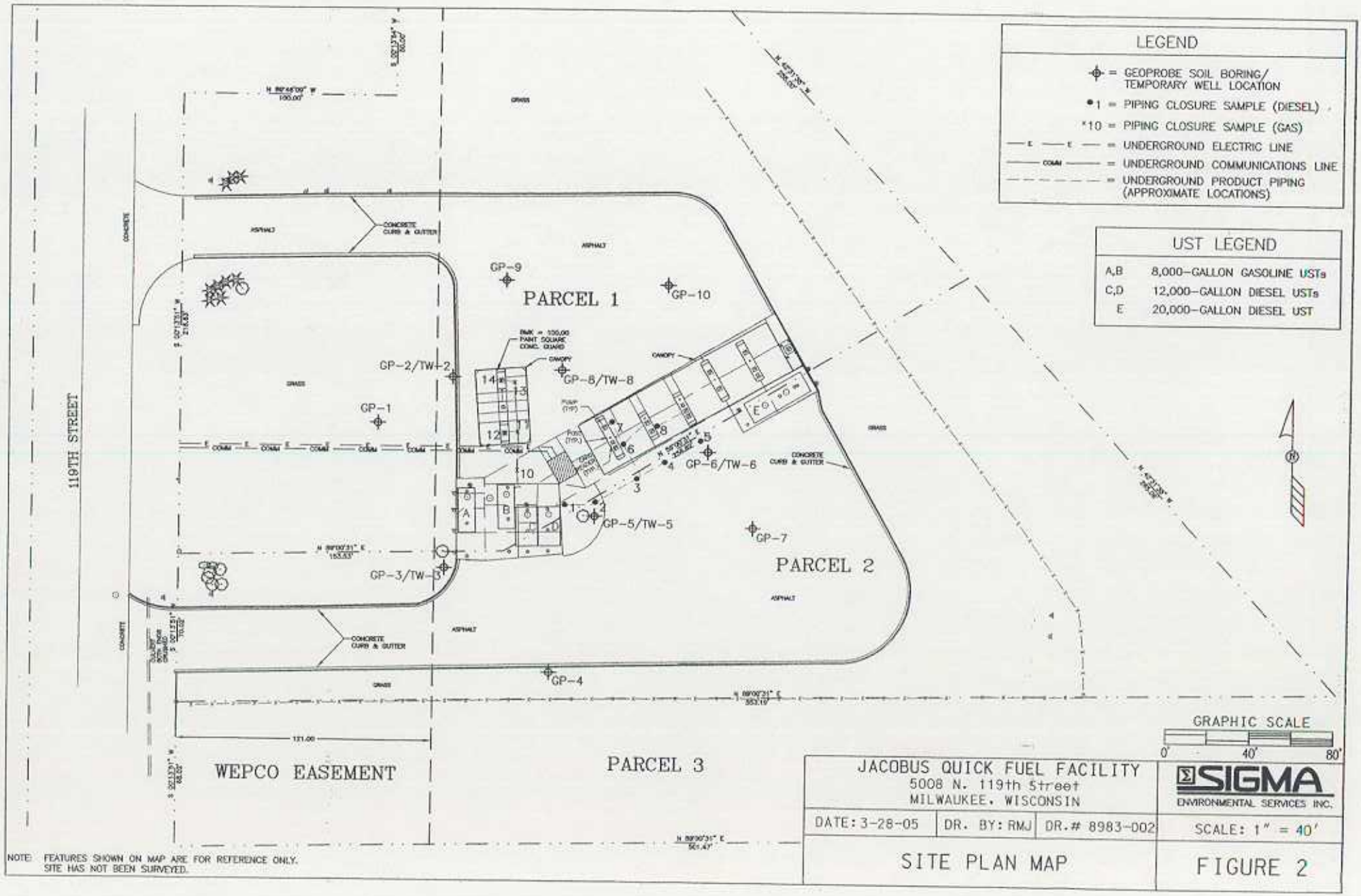

LEGEND
= GEOPROBE SOIL BORING/ TEMPORARY WELL LOCATION
•1 = PIPING CLOSURE SAMPLE (DIESEL)
*10 = PIPING CLOSURE SAMPLE (GAS)
E E = UNDERGROUND ELECTRIC LINE
COMM = UNDERGROUND COMMUNICATIONS LINE
= UNDERGROUND PRODUCT PIPING (APPROXIMATE LOCATIONS)
UST LEGEND
A,B 8,000-GALLON GASOLINE USTs
C,D 12,000-GALLON DIESEL USTs
E 20,000-GALLON DIESEL UST
119TH STREET
PARCEL 1
PARCEL 2
PARCEL 3
WEPCO EASEMENT
GP-1
GP-2/TW-2
GP-3/TW-3
GP-4
GP-5/TW-5
GP-6/TW-6
GP-7
GP-8/TW-8
GP-9
GP-10
CONCRETE CURB & GUTTER
ASPHALT
GRASS
CANOPY
GRAPHIC SCALE
0' 40' 80'
JACOBUS QUICK FUEL FACILITY
5008 N. 119th Street
MILWAUKEE, WISCONSIN
SIGMA ENVIRONMENTAL SERVICES INC.
DATE: 3-28-05
DR. BY: RMJ
DR.# 8983-002
SCALE: 1" = 40'
SITE PLAN MAP
FIGURE 2
NOTE: FEATURES SHOWN ON MAP ARE FOR REFERENCE ONLY. SITE HAS NOT BEEN SURVEYED.

Table 4
Groundwater Analytical Results
Jacobus Quick Fuel - 5008 N. 119th Street, Milwaukee, Wisconsin
Sigma Project No. 8983

Well ID:		TW-2		TW-3	TW-5	TW-6	TW-8	NR 140	NR 140
	Date	03/25/05	3/05 Dup	03/25/05	03/25/05	03/25/05	03/25/05	ES	PAL
PVOCs									
Benzene	µg/L	**400**	410	**18**	**28**	***1.8***	***2.2***	5	0.5
Ethylbenzene	µg/L	58	55	1.4	0.23 "J"	<0.22	2.3	700	140
Methyl-tert-butyl-ether	µg/L	***29***	29	***42***	***52***	2.1	2.0	60	12
Toluene	µg/L	**1,100**	1,100	0.90	0.37	3.1	3.7	1,000	200
1,2,4-Trimethylbenzene	µg/L	48	45	6.0	1.1	1.4	5.9	NS	NS
1,3,5-Trimethylbenzene	µg/L	19	18	0.79	<0.19	0.22 "J"	2.0	NS	NS
Total Trimethylbenzene	µg/L	67	63	6.79	1.1	1.62	7.9	480	96
Xylenes, Total	µg/L	630	620	4.8	1.8	3.3	6.4	10,000	1,000
PAHs									
Acenaphthene	µg/L	<0.34	NA	0.45 "J"	0.51 "J"	2.0	NA	NS	NS
Acenaphthylene	µg/L	<0.71	NA	<0.70	<0.72	<0.69	NA	NS	NS
Anthracene	µg/L	<0.039	NA	0.088 "J"	0.16	0.14	NA	3,000	600
Benzo(a)anthracene	µg/L	<0.045	NA	<0.044	<0.046	0.094 "J"	NA	NS	NS
Benzo(b)fluoranthene	µg/L	<0.10	NA	<0.099	<0.10	<0.098	NA	0.2	0.02
Benzo(k)fluoranthene	µg/L	<0.050	NA	<0.049	<0.051	<0.049	NA	NS	NS
Benzo(a)pyrene	µg/L	<0.033	NA	<0.032	<0.033	<0.032	NA	0.2	0.02
Benzo(g,h,i)perylene	µg/L	<0.12	NA	<0.12	<0.12	<0.12	NA	NS	NS
Chrysene	µg/L	<0.042	NA	<0.041	<0.043	***0.13 "J"***	NA	0.2	0.02
Dibenzo(a,h)anthracene	µg/L	<0.13	NA	<0.13	<0.14	<0.13	NA	NS	NS
Fluoranthene	µg/L	0.10 "J"	NA	0.098 "J"	0.14 "J"	0.24 "J"	NA	400	80
Fluorene	µg/L	<0.064	NA	0.33	0.18 "J"	0.96	NA	400	80
Indeno(1,2,3-cd)pyrene	µg/L	<0.064	NA	<0.063	<0.064	<0.062	NA	NS	NS
1-Methylnaphthalene	µg/L	1.3	NA	<0.32	0.80 "J"	1.2	NA	NS	NS
2-Methylnaphthalene	µg/L	1.8	NA	0.93 "J"	2.3	3.4	NA	NS	NS
Naphthalene	µg/L	7.7	NA	0.69 "J"	<0.42	1.2 "J"	NA	40	8
Phenanthrene	µg/L	0.16	NA	0.17	0.41	0.88	NA	NS	NS
Pyrene	µg/L	0.067 "J"	NA	<0.044	<0.044	0.13 "J"	NA	250	50

Notes:
1. µg/L = micrograms per liter (equivalent to parts per billion, ppb)
2. NA = not analyzed (PAHs not analyzed at well TW-8 on 3/25/05 because well did not produce a sufficient quantity of water for sample)
3. NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard
4. NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit
5. NS = no standard
6. Trip blank results: 3/25/05 - All PVOCs reported below laboratory detection limits.
7. Equipment blank results: 3/25/05 - All PVOCs reported below laboratory detection limits, except toluene at 0.43 µg/L
8. Exceedances: **bold, box** = Concentration exceeds NR 140 ES
   bold, italics = Concentration exceeds NR 140 PAL

Table 1
Soil Analytical Results - Piping Assessment Samples
Jacobus Quick Fuel - 5008 N. 119th Street, Milwaukee, Wisconsin
Sigma Project No. 8983

Soil Sample Location:		Piping 1	Piping 2	Piping 3	Piping 4	Piping 5	Piping 6	Piping 7	Piping 8	10	11	12	13	14		NR 746
Sample Depth (feet bgs):		5	5.5	4	5.5	4	4	4	3.5	4	4	4	4	4	NR 720	Table 1/
Date:		09/28/01	09/28/01	09/28/01	09/28/01	09/28/01	09/28/01	09/28/01	09/28/01	09/30/04	09/30/04	09/30/04	09/30/04	09/30/04	RCL [2]	Table 2 [3]
	Units															
Photoionization Detector	ppm	16.4	95.6	30.4	16.1	6.7	19.4	0.1	20.4	0	0	1.8	18	2.1	NS	NS
Gasoline Range Organics	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	<5.31	<5.85	13.4	78.7	7.38	100	NS
Diesel Range Organics	mg/kg	66	**229**	38	**306 "H"**	**381 "H"**	30	12	31	NA	NA	NA	NA	NA	100	NS

Notes:

1. mg/kg = milligrams per kilogram (equivalent to parts per million, ppm)
2. NR 720 RCL = Wisconsin Administrative Code, Chapter NR 720 generic Residual Contaminant Level
3. NR 746 Table 1/Table 2 = Wisconsin Administrative Code, Chapter NR 746 Table 1 soil screening levels ("Indicators of Residual Petroleum Product in Soil Pores") / Table 2 values ("Protection of Human Health from Direct Contact with Contaminated Soil")
4. NS = no standard established
5. NA = not analyzed
6. "H" = late eluding hydrocarbons present (flagged in laboratory analytical report)
7. Exceedances: **bold** = Concentration exceeds NR 720 RCL

Table 2
Soil Analytical Results - Site Investigation
Jacobus Quick Fuel - 5008 N. 119th Street, Milwaukee, Wisconsin
Sigma Project No. 8983

Soil Sample Location:		GP-1		GP-2		GP-3		GP-4		GP-5		GP-6		GP-7		GP-8		GP-9		GP-10		NR 720 RCL [3]	NR 746 Table 1/ Table 2 [4]
Sample Depth (feet bgs):		2.5 - 5	5 - 7.5	0 - 2.5	5 -7.5	2.5 - 5	10 - 12.5	2.5 - 5	5 - 7.5	2.5 - 5	12.5 - 15	2.5 - 5	7.5 - 10	2.5 - 5	5 - 7.5	2.5 - 5	7.5 - 10	2.5 - 5	5 - 7.5	0 - 2.5	2.5 - 5		
Date:		03/22/05		03/22/05		03/22/05		03/22/05		03/22/05		03/22/05		03/22/05		03/22/05		03/22/05		03/22/05			
	Units																						
Photoionization Detector	ppm	0.0	0.0	21	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	NS	NS
Gasoline Range Organics	mg/kg	<6.2	<5.8	16	<6.0	<5.8	<6.3	<5.8	<5.9	<5.9	<6.1	<5.9	<5.7	<5.8	<6.1	<5.7	<5.9	<6.0	<5.7	9.0	<5.8	100	NS
Diesel Range Organics	mg/kg	<6.2	<5.8	<6.1	6.5	<5.8	<6.3	<5.8	<5.9	<5.9	<6.1	41 "H"	<5.7	33 "H"	61 "H"	<5.7	7.2	<6.0	9.2	**616 "H"**	**127 "H"**	100	NS
PVOCs																							
Benzene	µg/kg	<31	<29	**971**	**58**	<29	<31	<29	<29	<29	<31	<29	<29	<29	<30	<29	<29	<30	<28	<28	<29	5.5	8,500/1,100
Ethylbenzene	µg/kg	<31	<29	<31	<30	<29	<31	<29	<29	<29	<31	<29	<29	<29	<30	<29	<29	<30	<28	<28	<29	2,900	4,600
Methyl-tert-butyl-ether	µg/kg	<31	<29	<31	<30	<29	<31	<29	<29	<29	<31	<29	<29	<29	<30	<29	<29	<30	<28	<28	<29	NS	NS
Toluene	µg/kg	<31	<29	1,090	229	<29	<31	<29	<29	<29	<31	<29	<29	<29	<30	<29	<29	<30	<28	34	<29	1,500	38,000/NS
1,2,4-Trimethylbenzene	µg/kg	<31	<29	34	<30	<29	<31	<29	<29	<29	<31	<29	<29	<29	<30	<29	<29	<30	<28	96	90	NS	83,000/NS
1,3,5-Trimethylbenzene	µg/kg	<31	<29	<31	<30	<29	<31	<29	<29	<29	<31	<29	<29	<29	<30	<29	<29	<30	<28	52	<29	NS	11,000/NS
Xylenes (total)	µg/kg	<43	<41	553	166	<40	<44	<41	<41	<41	<43	<41	<40	<41	<42	<40	<41	<42	<40	179	71	4,100	42,000/NS
Naphthalene	µg/kg	<62	<58	<61	<60	<58	<63	<58	<59	<59	<61	<59	<57	<58	<61	<57	153	<60	<57	1,060	495	NS	2,700/NS
PAHs																						DC RCL [5]	GW RCL [6]
Acenaphthene	µg/kg	NA	<58	NA	<60	NA	<63	NA	<59	NA	<61	NA	<57	NA	92	NA	<59	NA	<57	NA	NA	900,000	38,000
Acenaphthylene	µg/kg	NA	<99	NA	<100	NA	<110	NA	<100	NA	<100	NA	<97	NA	<100	NA	<100	NA	<96	NA	NA	18,000	700
Anthracene	µg/kg	NA	<5.8	NA	<6.0	NA	<6.3	NA	<5.9	NA	<6.1	NA	<5.7	NA	96	NA	59	NA	9.3	NA	NA	5,000,000	3,000,000
Benzo(a)anthracene	µg/kg	NA	<5.8	NA	<6.0	NA	<6.3	NA	<5.9	NA	<6.1	NA	<5.7	NA	400	NA	110	NA	22	NA	NA	88	17,000
Benzo(b)fluoranthene	µg/kg	NA	<5.8	NA	<6.0	NA	<6.3	NA	<5.9	NA	<6.1	NA	<5.7	NA	352	NA	61	NA	14	NA	NA	88	360,000
Benzo(k)fluoranthene	µg/kg	NA	<5.8	NA	<6.0	NA	<6.3	NA	<5.9	NA	<6.1	NA	<5.7	NA	206	NA	40	NA	11	NA	NA	880	870,000
Benzo(a)pyrene	µg/kg	NA	<5.8	NA	6.5	NA	<6.3	NA	<5.9	NA	<6.1	NA	<5.7	NA	424	NA	81	NA	18	NA	NA	8.8	48,000
Benzo(ghi)perylene	µg/kg	NA	<5.8	NA	6.1	NA	<6.3	NA	<5.9	NA	<6.1	NA	<5.7	NA	364	NA	57	NA	15	NA	NA	1,800	3,800,000
Chrysene	µg/kg	NA	<5.8	NA	<6.0	NA	<6.3	NA	<5.9	NA	<6.1	NA	<5.7	NA	461	NA	91	NA	20	NA	NA	8,800	37,000
Dibenzo(a,h)anthracene	µg/kg	NA	<8.7	NA	<9.0	NA	<9.4	NA	<8.8	NA	<9.2	NA	<8.6	NA	82	NA	14	NA	<8.5	NA	NA	8.8	38,000
Fluoranthene	µg/kg	NA	<12	NA	<12	NA	<13	NA	<12	NA	<12	NA	<11	NA	1,100	NA	307	NA	61	NA	NA	600,000	500,000
Fluorene	µg/kg	NA	<12	NA	<12	NA	<13	NA	<12	NA	<12	NA	<11	NA	57	NA	47	NA	<11	NA	NA	600,000	100,000
Indeno(1,2,3-cd)pyrene	µg/kg	NA	<5.8	NA	<6.0	NA	<6.3	NA	<5.9	NA	<6.1	NA	<5.7	NA	339	NA	55	NA	14	NA	NA	88	680,000
1-Methylnaphthalene	µg/kg	NA	<35	NA	<36	NA	<38	NA	<35	NA	<37	NA	<34	NA	50	NA	<35	NA	<34	NA	NA	1,100,000	23,000
2-Methylnaphthalene	µg/kg	NA	<29	NA	<30	NA	<31	NA	<29	NA	<31	NA	<29	NA	315	NA	118	NA	<28	NA	NA	600,000	20,000
Naphthalene	µg/kg	NA	<35	NA	<36	NA	<38	NA	<35	NA	<37	NA	<34	NA	70	NA	68	NA	<34	NA	NA	20,000	400
Phenanthrene	µg/kg	NA	<5.8	NA	<6.0	NA	<6.3	NA	<5.9	NA	<6.1	NA	<5.7	NA	485	NA	259	NA	36	NA	NA	18,000	1,800
Pyrene	µg/kg	NA	<5.8	NA	<6.0	NA	<6.3	NA	<5.9	NA	<6.1	NA	<5.7	NA	994	NA	189	NA	39	NA	NA	500,000	8,700,000

Notes:
1. mg/kg = milligrams per kilogram (equivalent to parts per million, ppm)
2. µg/kg = micrograms per kilogram (equivalent to parts per billion, ppb)
3. NR 720 RCL = Wisconsin Administrative Code, Chapter NR 720 generic Residual Contaminant Level
4. NR 746 Table 1/Table 2 = Wisconsin Administrative Code, Chapter NR 746 Table 1 soil screening levels ("Indicators of Residual Petroleum Product in Soil Pores") / Table 2 values ("Protection of Human Health from Direct Contact with Contaminated Soil")
5. DC RCL = Interim guidance RCL for protection of direct contact with PAH compounds (non-industrial land use), from WDNR publication RR-519-97 "Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs) Interim Guidance" (April 1997)
6. GW RCL = Interim guidance RCL for protection of groundwater pathway from PAH compounds, from WDNR publication RR-519-97 "Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs) Interim Guidance" (April 1997)
7. NS = no standard established
8. NA = not analyzed
9. "H" = late eluding hydrocarbons present (flagged in laboratory analytical report)
10. All PVOCs reported below laboratory detection limits for Methanol Blank sample submitted on March 22, 2005.
11. Exceedances: **bold** = Concentration exceeds NR 720 RCL (for PVOCs) or Direct Contact RCL (for PAHs within 4 feet of the ground surface)
bold, box = Concentration exceeds NR 746 Table 1/Table 2 value (for PVOCs) or Migration to Groundwater RCL (for PAHs)

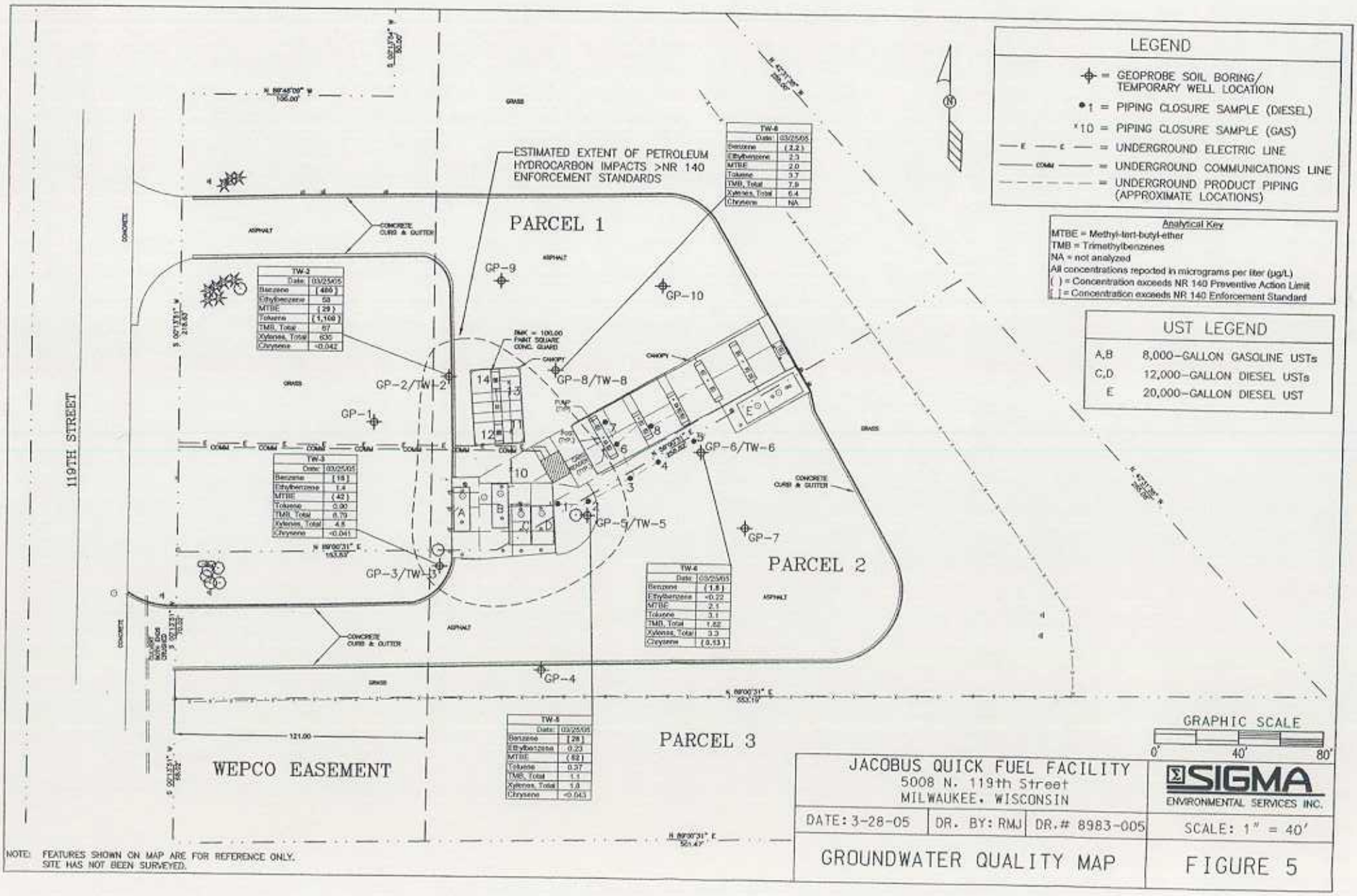
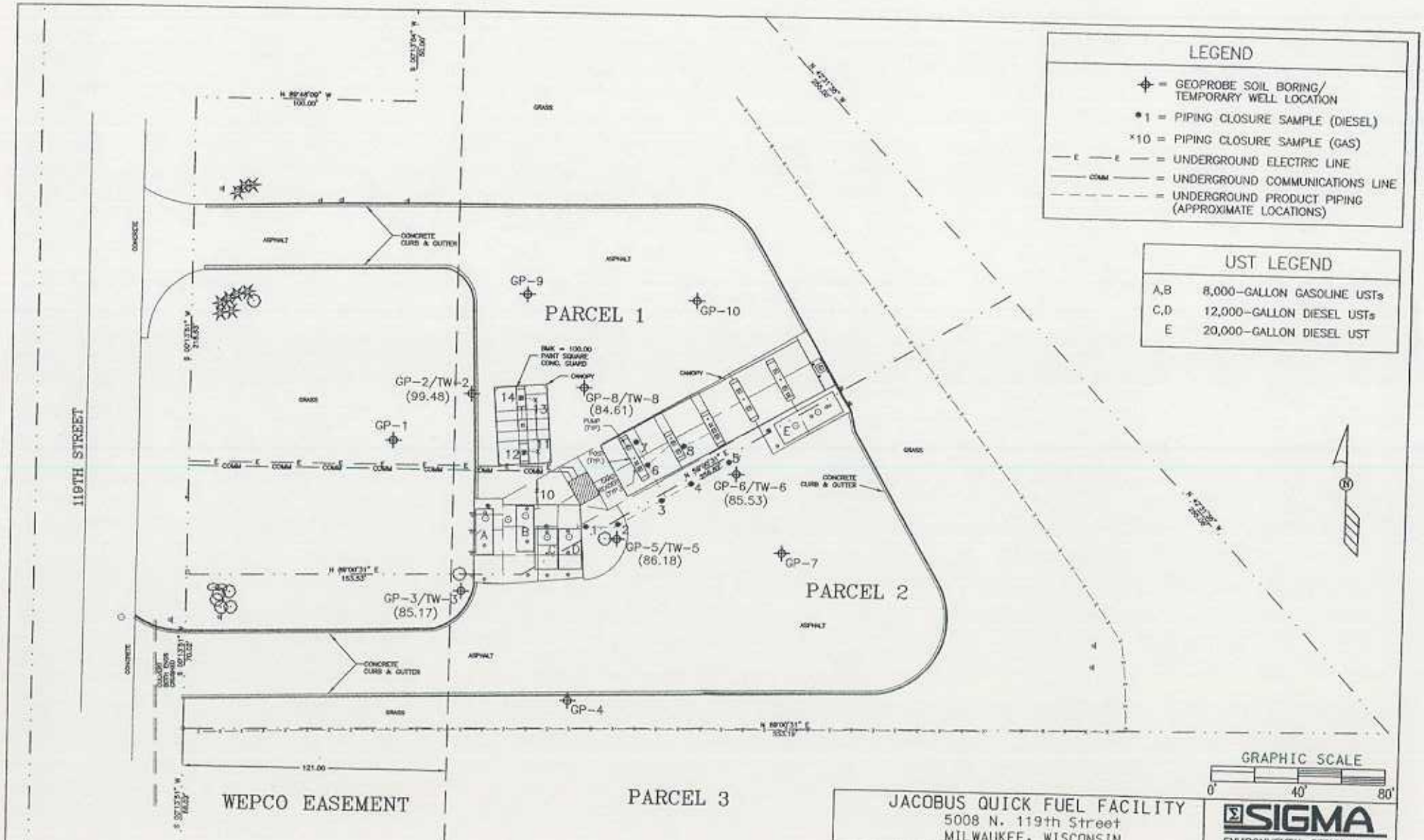

LEGEND
= GEOPROBE SOIL BORING/ TEMPORARY WELL LOCATION
•1 = PIPING CLOSURE SAMPLE (DIESEL)
*10 = PIPING CLOSURE SAMPLE (GAS)
= UNDERGROUND ELECTRIC LINE
= UNDERGROUND COMMUNICATIONS LINE
= UNDERGROUND PRODUCT PIPING (APPROXIMATE LOCATIONS)
Analytical Key
MTBE = Methyl-tert-butyl-ether
TMB = Trimethylbenzenes
NA = not analyzed
All concentrations reported in micrograms per liter (µg/L)
( ) = Concentration exceeds NR 140 Preventive Action Limit
[ ] = Concentration exceeds NR 140 Enforcement Standard
UST LEGEND
A,B 8,000-GALLON GASOLINE USTs
C,D 12,000-GALLON DIESEL USTs
E 20,000-GALLON DIESEL UST
ESTIMATED EXTENT OF PETROLEUM HYDROCARBON IMPACTS >NR 140 ENFORCEMENT STANDARDS
PARCEL 1
PARCEL 2
PARCEL 3
WEPCO EASEMENT
119TH STREET
GP-1
GP-2/TW-2
GP-3/TW-3
GP-4
GP-5/TW-5
GP-6/TW-6
GP-7
GP-8/TW-8
GP-9
GP-10
TW-2 Date: 03/25/05 Benzene [486] Ethylbenzene 58 MTBE [29] Toluene [1,160] TMB, Total 67 Xylenes, Total 635 Chrysene <0.042
TW-3 Date: 03/25/05 Benzene [18] Ethylbenzene 1.4 MTBE (42) Toluene 0.90 TMB, Total 6.79 Xylenes, Total 4.8 Chrysene <0.041
TW-4 Date: 03/25/05 Benzene [1.8] Ethylbenzene <0.22 MTBE 2.1 Toluene 3.1 TMB, Total 1.62 Xylenes, Total 3.3 Chrysene (0.53)
TW-5 Date: 03/25/05 Benzene [28] Ethylbenzene 0.23 MTBE (62) Toluene 0.37 TMB, Total 1.1 Xylenes, Total 1.0 Chrysene <0.043
TW-6 Date: 03/25/05 Benzene (2.2) Ethylbenzene 2.3 MTBE 2.0 Toluene 3.7 TMB, Total 7.9 Xylenes, Total 6.4 Chrysene NA
GRAPHIC SCALE
0' 40' 80'
JACOBUS QUICK FUEL FACILITY
5008 N. 119th Street
MILWAUKEE, WISCONSIN
SIGMA ENVIRONMENTAL SERVICES INC.
DATE: 3-28-05 DR. BY: RMJ DR.# 8983-005 SCALE: 1" = 40'
GROUNDWATER QUALITY MAP
FIGURE 5
NOTE: FEATURES SHOWN ON MAP ARE FOR REFERENCE ONLY. SITE HAS NOT BEEN SURVEYED.

Table 3
Static Groundwater Elevations
Jacobus Quick Fuel - 5008 N. 119th Street, Milwaukee, Wisconsin
Sigma Project No. 8983

Well ID	Date	Ground Surface Elevation (feet)	Top of Casing Elevation (feet)	Depth to Groundwater (feet from toc)	Well Depth (feet from TOC)	Groundwater Elevation (feet)	Groundwater Elevation (feet bgs)	Well Screen Interval (feet bgs)
TW-2	3/25/05	100.3	100.48	1.00	13.40	99.48	1.2	5 to 15
TW-3	3/25/05	100.5	101.12	15.95	19.80	85.17	16.6	4.5 to 19.5
TW-5	3/25/05	98.6	98.48	12.30	19.55	86.18	12.2	5 to 20
TW-6	3/25/05	97.7	97.61	12.08	19.60	85.53	12.0	4.5 to 19.5
TW-8	3/25/05	98.9	98.76	14.15	19.75	84.61	14.0	5 to 20

Notes:
1. Survey of temporary wells TW-2, TW-3, TW-5, TW-6, and TW-8 completed by Sigma Environmental Services, Inc. on March 22, 2005. Elevations referenced to benchmark as shown on Site Plan Map.
2. toc = top of casing
3. bgs = below ground surface



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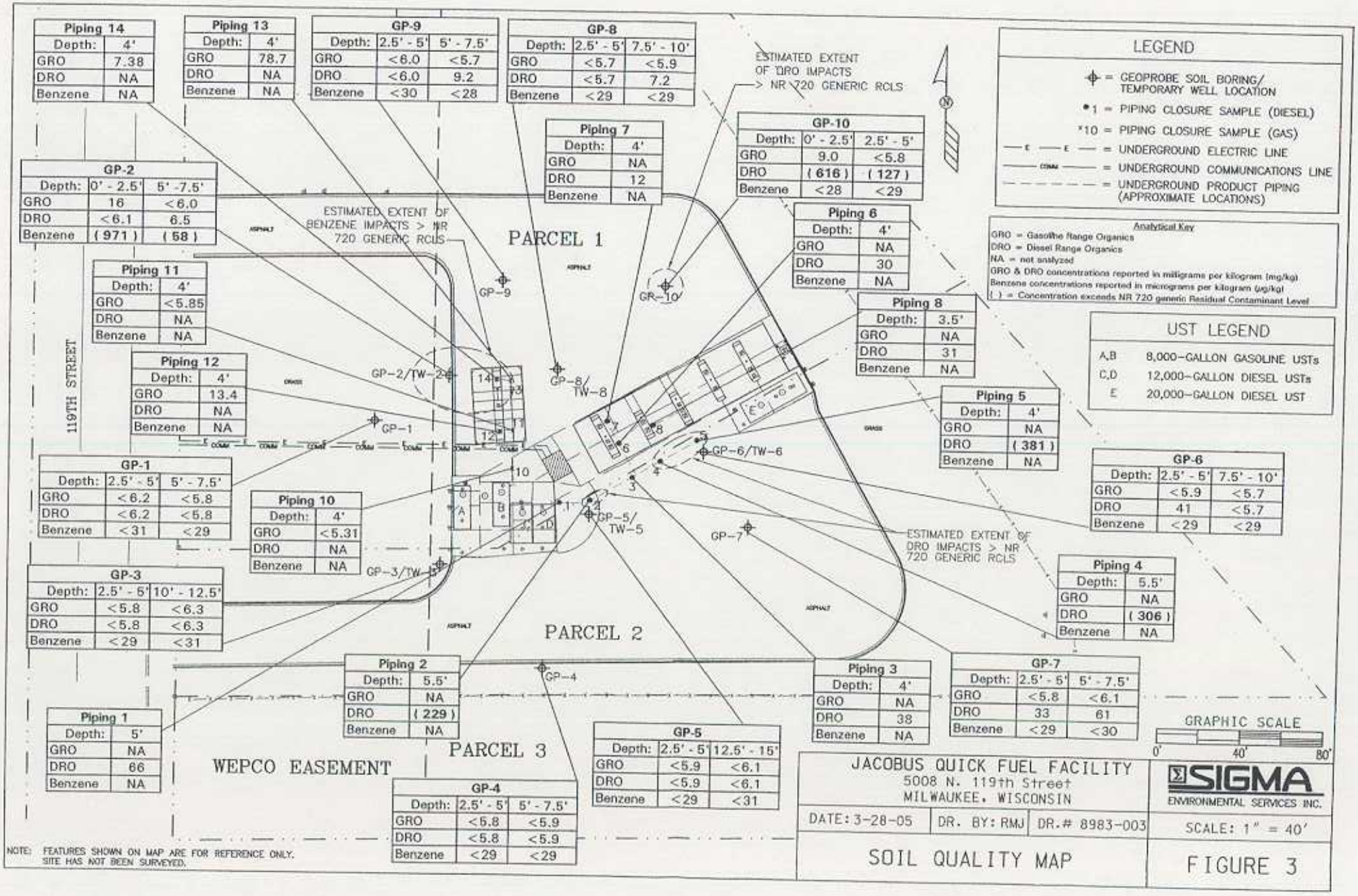
2 STATIC GROUNDWATER ELEVATIONS ARE RELATIVE TO THE SITE-SPECIFIC BENCHMARK.

JACOBUS QUICK FUEL FACILITY 5008 N. 119th Street MILWAUKEE, WISCONSIN			ΣSIGMA ENVIRONMENTAL SERVICES INC.
DATE: 3-28-05	DR. BY: RMJ	DR.# 8983-004	SCALE: 1" = 40'
GROUNDWATER ELEVATION MAP (3-25-05)			FIGURE 4


Piping 14
Depth: 4'
GRO 7.38
DRO NA
Benzene NA
Piping 13
Depth: 4'
GRO 78.7
DRO NA
Benzene NA
GP-9
Depth: 2.5' - 5' 5' - 7.5'
GRO <6.0 <5.7
DRO <6.0 9.2
Benzene <30 <28
GP-8
Depth: 2.5' - 5' 7.5' - 10'
GRO <5.7 <5.9
DRO <5.7 7.2
Benzene <29 <29
ESTIMATED EXTENT OF DRO IMPACTS > NR 720 GENERIC RCLS
GP-10
Depth: 0' - 2.5' 2.5' - 5'
GRO 9.0 <5.8
DRO (616) (127)
Benzene <28 <29
Piping 7
Depth: 4'
GRO NA
DRO 12
Benzene NA
GP-2
Depth: 0' - 2.5' 5' -7.5'
GRO 16 <6.0
DRO <6.1 6.5
Benzene (971) (58)
ESTIMATED EXTENT OF BENZENE IMPACTS > NR 720 GENERIC RCLS
PARCEL 1
Piping 6
Depth: 4'
GRO NA
DRO 30
Benzene NA
Piping 11
Depth: 4'
GRO <5.85
DRO NA
Benzene NA
Piping 8
Depth: 3.5'
GRO NA
DRO 31
Benzene NA
119TH STREET
Piping 12
Depth: 4'
GRO 13.4
DRO NA
Benzene NA
Piping 5
Depth: 4'
GRO NA
DRO (381)
Benzene NA
GP-1
Depth: 2.5' - 5' 5' - 7.5'
GRO <6.2 <5.8
DRO <6.2 <5.8
Benzene <31 <29
Piping 10
Depth: 4'
GRO <5.31
DRO NA
Benzene NA
GP-6
Depth: 2.5' - 5' 7.5' - 10'
GRO <5.9 <5.7
DRO 41 <5.7
Benzene <29 <29
GP-3
Depth: 2.5' - 5' 10' - 12.5'
GRO <5.8 <6.3
DRO <5.8 <6.3
Benzene <29 <31
ESTIMATED EXTENT OF DRO IMPACTS > NR 720 GENERIC RCLS
Piping 4
Depth: 5.5'
GRO NA
DRO (306)
Benzene NA
PARCEL 2
Piping 2
Depth: 5.5'
GRO NA
DRO (229)
Benzene NA
Piping 3
Depth: 4'
GRO NA
DRO 38
Benzene NA
GP-7
Depth: 2.5' - 5' 5' - 7.5'
GRO <5.8 <6.1
DRO 33 61
Benzene <29 <30
Piping 1
Depth: 5'
GRO NA
DRO 66
Benzene NA
PARCEL 3
WEPCO EASEMENT
GP-5
Depth: 2.5' - 5' 12.5' - 15'
GRO <5.9 <6.1
DRO <5.9 <6.1
Benzene <29 <31
GP-4
Depth: 2.5' - 5' 5' - 7.5'
GRO <5.8 <5.9
DRO <5.8 <5.9
Benzene <29 <29
LEGEND
= GEOPROBE SOIL BORING/ TEMPORARY WELL LOCATION
•1 = PIPING CLOSURE SAMPLE (DIESEL)
*10 = PIPING CLOSURE SAMPLE (GAS)
= UNDERGROUND ELECTRIC LINE
= UNDERGROUND COMMUNICATIONS LINE
= UNDERGROUND PRODUCT PIPING (APPROXIMATE LOCATIONS)
Analytical Key
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
NA = not analyzed
GRO & DRO concentrations reported in milligrams per kilogram (mg/kg)
Benzene concentrations reported in micrograms per kilogram (µg/kg)
( ) = Concentration exceeds NR 720 generic Residual Contaminant Level
UST LEGEND
A,B 8,000-GALLON GASOLINE USTs
C,D 12,000-GALLON DIESEL USTs
E 20,000-GALLON DIESEL UST
GP-1
GP-2/TW-2
GP-3/TW-3
GP-4
GP-5/TW-5
GP-6/TW-6
GP-7
GP-8/TW-8
GP-9
GR-10
GRAPHIC SCALE
0' 40' 80'
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DR. BY: RMJ
DR.# 8983-003
SCALE: 1" = 40'
SOIL QUALITY MAP
FIGURE 3
NOTE: FEATURES SHOWN ON MAP ARE FOR REFERENCE ONLY. SITE HAS NOT BEEN SURVEYED.

STATEMENT BY RESPONSIBLE PARTY

Jacobus Energy, Inc., the responsible party for the property located at 5008 N. 119th Street, Milwaukee, Wisconsin, states that the legal description for the impacted property to be listed in the GIS Registry provided to the Wisconsin Department of Commerce in this case closure request/GIS Registry packet for BRRTS #03-41-283599 and #03-41-537084 is complete and accurate to the best of our knowledge.

Michael L Helg 6-22-05

Signature of Representative for Responsible Party Date