GIS REGISTRY INFORMATION

SITE NAME:	Total Petroleum #2423		
BRRTS #:	03-41-002766	**FID #** (if appropriate):	
COMMERCE # (if appropriate):	53227-3521-61		
CLOSURE DATE:	10-09-03		
STREET ADDRESS:	3061 S 108th St		
CITY:	West Allis		

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection):	**X =**	679174		**Y =**	281374	
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**	x	
• **IF YES, STREET ADDRESS 1:**						
• **GPS COORDINATES** (meters in WTM91 projection):	**X =**			**Y =**		
CONTAMINATION IN RIGHT OF WAY:	**Yes**	x		**No**		

DOCUMENTS NEEDED

Closure Letter, and any conditional closure 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	X
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)	X
Copy of (soil or land use) deed restriction(s) or deed notice *if any required as a condition of closure*	

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
http://www.commerce.state.wi.us
http://www.wisconsin.gov
Jim Doyle, Governor
Cory L. Nettles, Secretary

Wisconsin
Department of Commerce

November 26, 2003

Mr. Khalid Ahmed
A&A Petroleum, Inc.
11840 West Silver Spring Drive
Milwaukee, WI 53225-3041

RE: **Final Closure**

Commerce # 53227-3521-61 WDNR BRRTS # 03-41-002766
Total Petroleum #2423, 3061 South 108th Street, West Allis

Dear Mr. Ahmed:

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 soil and groundwater 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) 220-5361.

Sincerely,

Monica Weis

Monica L. Weis
Hydrogeologist
Site Review Section

cc: Mr. Todd Schwingle, K. Singh & Associates, Inc.
Case File

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
http://www.commerce.state.wi.us
http://www.wisconsin.gov
Jim Doyle, Governor
Cory L. Nettles, Secretary

Wisconsin
Department of Commerce

October 9, 2003

Mr. Khalid Ahmed
A&A Petroleum, Inc.
11840 W. Silver Spring Dr.
Milwaukee, WI 53225-3041

RE: **Conditional Case Closure**

Commerce # 53227-3521-61 WDNR BRRTS # 03-41-002766
Total Petroleum #2423, 3061 S. 108th St., West Allis

Dear Mr. Ahmed:

The Wisconsin Department of Commerce (Commerce) has reviewed the request for case closure prepared by your consultant, K. Singh & Associates, Inc., for the site referenced above. It is understood that residual soil and groundwater contamination remains on-site. Commerce has determined that this site does not pose a significant threat to the environment and human health. No further investigation or remedial action is necessary.

The following condition must be satisfied to obtain final closure:

- All groundwater monitoring wells must be abandoned and the appropriate documentation forwarded to Commerce at the letterhead address.

This letter serves as your written notice of "no further action". Timely filing of your final PECFA claim (if applicable) is encouraged. If your claim is not received within 120 days of the date of this letter, interest costs incurred after 60 days of the date of this letter will not be eligible for PECFA reimbursement.

Thank you for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (414) 220-5361.

Sincerely,

Monica Weis

Monica L. Weis
Hydrogeologist
Site Review Section

cc: Mr. Mukesh Jain, K. Singh & Associates, Inc.
Case File

REEL 2940 IMAGE 841

WARRANTY DEED
STATE OF WISCONSIN

This Deed, made this 17th day of December, A.D., 1992, between **TOTAL PETROLEUM, INC.** formerly known as Vickers Petroleum, Inc., a Corporation organized and existing under an by virtue of the laws of the State of Michigan, located at Denver Place North Tower, Suite 2201, P.O. Box 500, Denver, Colorado 80201, party of the first part, and **FOZIA AHMED** party of the second part.

Witnesseth, that the said party of the first part, for an in consideration of the sum of One Dollar ($1.00) to it paid by the said party of the second part, the receipt whereof is hereby confessed and acknowledged, has given, granted, bargained, sold, remised, released, aliened, conveyed and confirmed, and by these presents does give, grant, bargain, sell, remise, release, alien, convey and confirm unto the said party of the second part, her heirs and assigns forever, the following described real estate situated in the County of Milwaukee and State of Wisconsin, to-wit:

That part of the Southeast 1/4 of Section 7, Town 6 North, Range 2 East, in the City of West Allis, County of Milwaukee, State of Wisconsin, bounded and described as follows:

Commencing at the Southeast corner of said 1/4 Section; thence South 89 degrees 59 minutes 00 seconds West along the South line of said 1/4 Section, 210.00 feet to a point; thence due North and parallel to the East line of said 1/4 Section, 210.00 feet to a point; thence North 89 degrees 59 minutes 00 seconds and parallel to the South line of said 1/4 Section 210 feet to a point on the East line of said 1/4 Section; thence due South along the East line of said 1/4 Section 210.00 feet to the point of commencement

TRANSFER $ 1,125.00 FEE

EXCEPTING the East 60 feet and South 60 feet. Tax Key No. 520-9965-009-6

Together with all and singular the hereditaments and appurtenances thereunto belonging or in any wise appertaining; and all the estate, right, title, interest, claim or demand whatsoever, of the said party of the first part, either in law or equity, either in possession or expectancy of, in and to the above bargained premises, and their hereditaments and appurtenances.

6709302 #
RECORD 10.00

To have and to hold the said premises as above described with the hereditaments and appurtenances, unto the said party of the second part, and to her heirs and assigns FOREVER.

RTX 1125.00

And the said party of the first part, for itself and its successors, does covenant, grant, bargain and agree to and with the said party of the second part, her heirs and assigns, that the above bargained premises, in the quiet and peaceable possession of the said party of the second part, her heirs and assignee, against all and every person or persons lawfully claiming the whole or any part thereof, by through or under said party of the first part, and none other, it will forever WARRANT and DEFEND.

In Witness Whereof, the said party of the first part, has caused these presents to be signed by Jerry A. Jones, its Vice President, Marketing Services, and countersigned by L. C. Ross, its Secretary, at Denver, Colorado, and its corporate seal to be hereunto affixed, this 17th day of December, A.D., 1992.

SIGNED AND SEALED IN PRESENCE OF:

TOTAL PETROLEUM, INC.

By: _____
Jerry A. Jones
Vice President, Marketing Services

Countersigned:

By: _____
L. C. Ross
Secretary

STATE OF COLORADO)
) ss.
CITY AND COUNTY OF DENVER)

Personally came before me this 17th day of December, A.D., 199.., Jerry A. Jones, Vice President, Marketing Services, and L. C. Ross, Secretary, of the above named Corporation, to me known to be the persons who executed the foregoing instrument, and to me known to be such Vice President, Marketing Services, and Secretary of said Corporation, and acknowledged that they executed the foregoing instrument as such officers as the deed of said Corporation, by its authority.

_____
Notary Public, State of Colorado

My commission expires 9-15-93

THIS INSTRUMENT WAS DRAFTED BY:
Lois Mool, Total Petroleum, Inc.
(Signatures may be authenticated or acknowledged. Both are not necessary.)

RETURN TO:
Boyer Law Office
12745 W. Capitol Dr.
Brookfield, WI 53005

6709302
REGISTER'S OFFICE
Milwaukee County, WI
-2 10 PM
RECORDED AT _____
JAN - 4 1993
REEL 2940 IMAGE 841
REGISTER OF DEEDS

WI-CORP.WD:#2623

Certification of Legal Description

Tax Key Number: 520-9965-009

The part of the Southeast 1/4 of Section 7, Town 6 North, Range 21 East, in the City of West Allis, County of Milwaukee, State of Wisconsin, bounded and described as follows:

Commencing at the Southeast corner of said 1/4 Section; thence South 89 degree 59 minutes 00 seconds West along the South line of said 1/4 Section, 210.00 feet to a point; thence due North and parallel to the East line of said 1/4 Section, 210.00 feet to a point; thence North 89 degrees 59 minutes 00 seconds and parallel to the South line of said 1/4 Section 210 feet to a point on the East line of said 1/4 Section; thence due South along the East line of said 1/4 Section 210.00 feet to the point of commencement.

EXCEPTING the East 60 feet and south 60 feet.

I _____ certify that the legal description provided above and on the attached Warranty Deeds is complete and accurate to the best of my knowledge.

Signature _____

Title Pres

Date 12/30/02

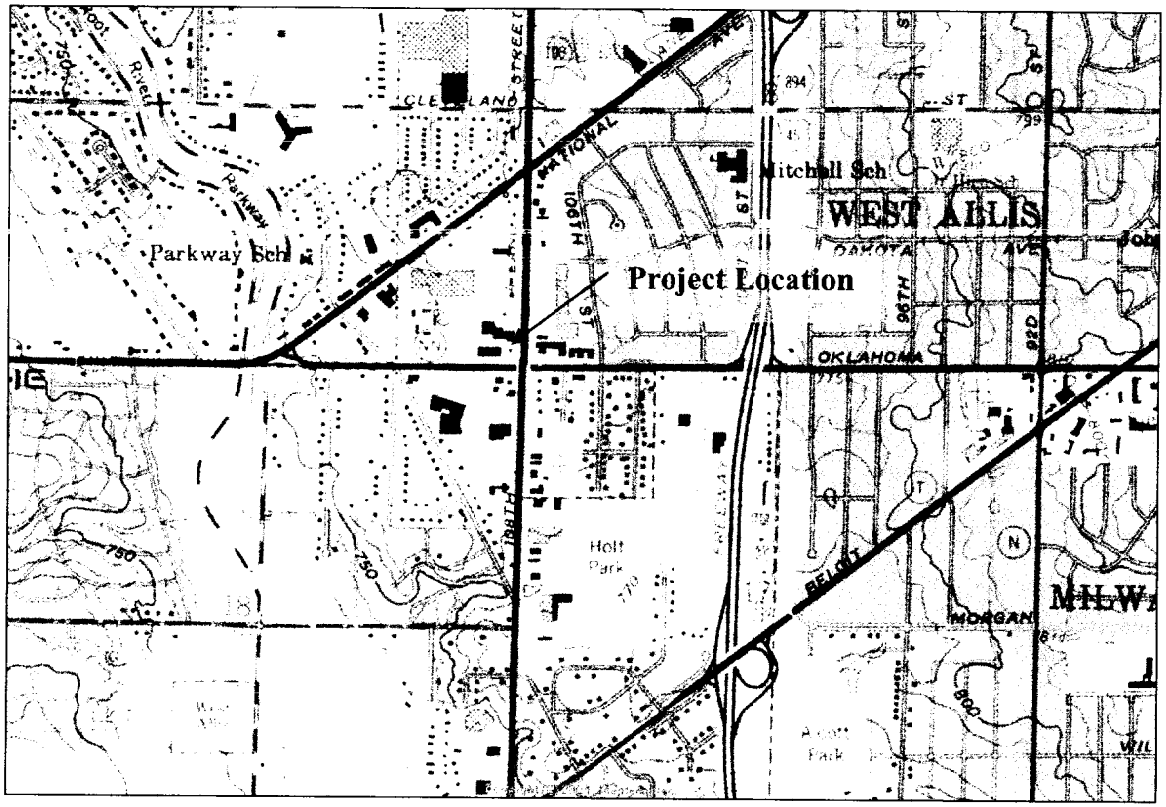
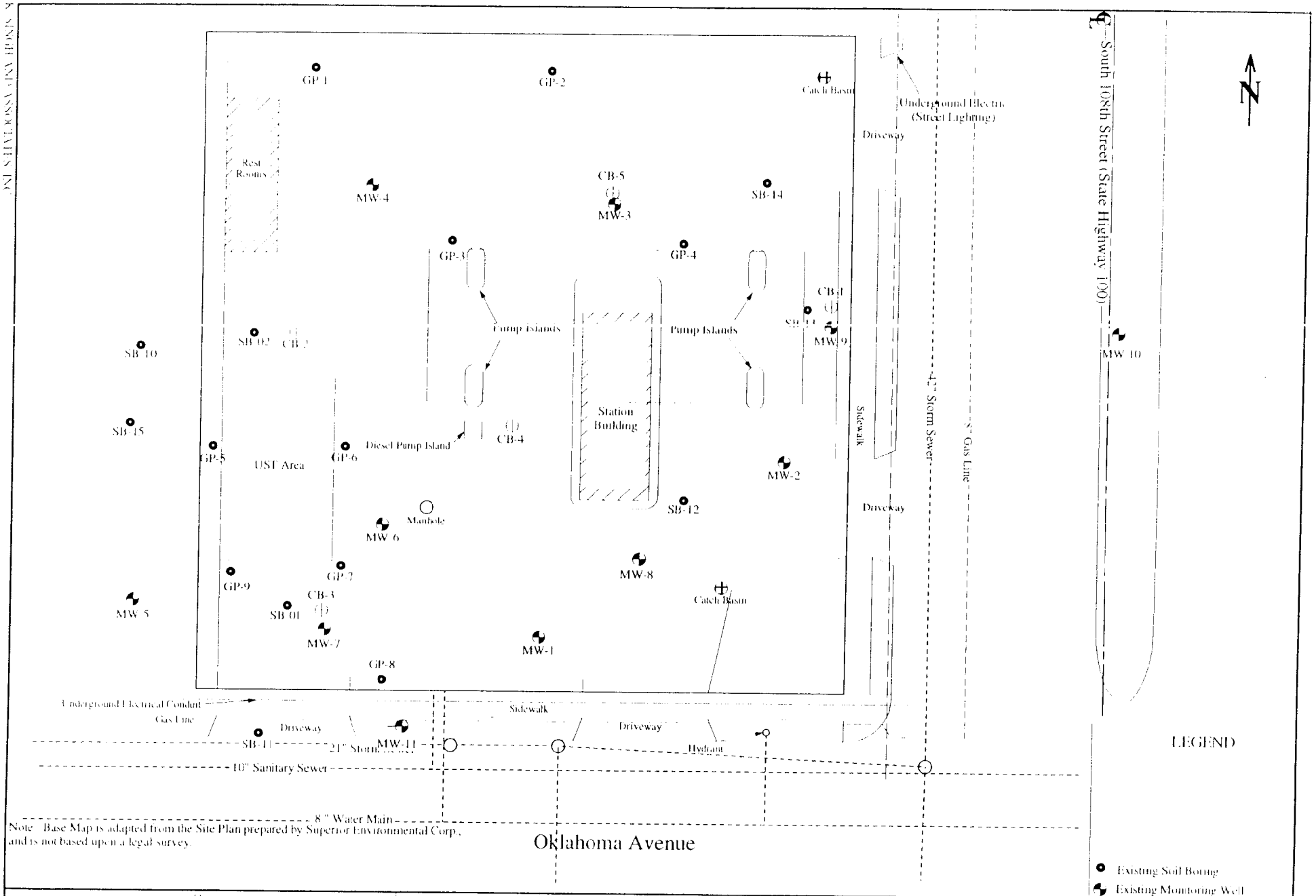


Figure 1. Site Location Map

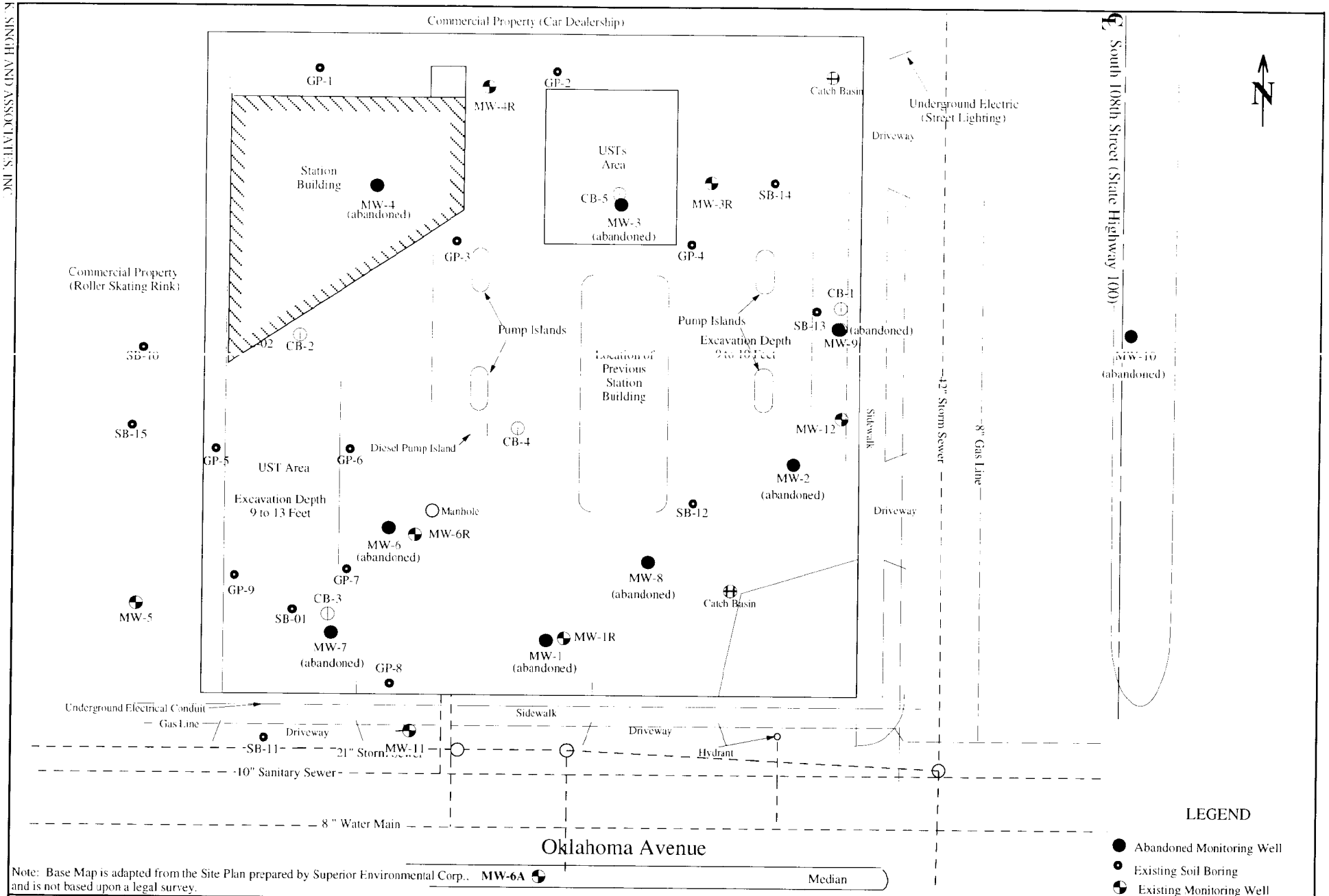


Note: Base Map is adapted from the Site Plan prepared by Superior Environmental Corp., and is not based upon a legal survey.

Owner	Engineer	Figure 1. Soil Boring and Monitoring Well Locations			
A & A Petroleum, Inc. PROJECT LOCATION Former Total Station #2423 3061 South 108th Street West Allis, WI 53227	K. SINGH & ASSOCIATES, INC., Engineers & Environmental Management Consultants 1135 Legion Drive, Elm Grove, Wisconsin 53122, (414) 821-1171	Date January 28, 1997	Drawn by M.J.P.	Project no. 4270	Date
		SCALE 0' 15' 30'	Checked by P.N.S.		

K. SINGH AND ASSOCIATES, INC.

K. SINGH AND ASSOCIATES, INC



Note: Base Map is adapted from the Site Plan prepared by Superior Environmental Corp., and is not based upon a legal survey.

Owner	Engineer	Figure 1. Site Layout Map			
A & A Petroleum, Inc. PROJECT LOCATION Former Total Station #2423 3061 South 108th Street West Allis, WI 53227	**K. SINGH & ASSOCIATES, INC.,** Engineers & Environmental Management Consultants 1135 Legion Drive, Elm Grove, Wisconsin 53122, (414) 821-1171	Date January 28, 1997	Drawn by M.J.P.	Project no. 4270	Date
		SCALE 0' 15' 30'	Checked by P.N.S.	Revised by M.K.J.	

Table 1 (page 1)
Summary of Groundwater Quality Test Results
Former Total Station, 3061 South 108th Street, West Allis, WI

Location	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	TMB	MTBE	GRO	DRO
		ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppm
MW-1	10/7/1992	<0.2	0.97	<0.2	<0.8	2.09	<1.0	<0.2	NT
	8/16/1993	<1	<1	<1	<1	<2	3.8	<0.1	NT
	2/16/1995	<1.0	<1.0	<1.0	<1.0	<2.0	9.2	NT	NT
	3/8/1996	<0.5	<0.6	<0.6	<1.7	<2.6	14	<0.028	NT
	5/2/1997	<0.13	<0.20	<0.22	<0.23	<0.51	19	<0.050	NT
	8/22/1997	<0.13	<0.20	<0.22	<0.23	<0.51	<0.16	<0.050	NT
	3/9/1998	<0.13	<0.20	<0.22	<0.23	<0.51	12	<0.050	NT
MW-1R	6/13/1999	4	<0.35	<0.34	<1.0	<0.99	45	<0.1	0.212
	9/21/2000	<0.5	<0.5	<0.5	<0.5	<2.0	32.9	NT	NT
	12/26/2000	<0.39	<0.37	<0.4	<1.43	<1.04	46	NT	NT
	3/22/2001	<0.5	<0.5	<0.5	<0.5	<2.0	46.4	NT	NT
	6/29/2001	<0.21	<0.41	<0.22	<0.69	<0.6	37	NT	NT
	9/17/2001	<0.21	<0.41	<0.22	<0.69	<0.6	40	NT	NT
MW-2	10/7/1992	<0.2	1.3	<0.2	1.1	3	<1.0	<0.2	<0.2
	8/16/1993	<1	<1	<1	<1	<2	<1	<0.1	<0.1
	2/16/1995	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	NT	NT
	3/8/1996	<0.5	<0.6	<0.6	<1.7	<2.6	<2.7	<0.028	<0.028
	5/2/1997	<0.13	<0.20	<0.22	<0.23	<0.51	<0.16	<0.050	<0.050
	8/22/1997	<0.13	<0.20	<0.22	<0.23	<0.51	15	<0.050	<0.050
	3/9/1998	<0.13	<0.20	<0.22	<0.23	<0.51	<0.16	<0.050	<0.050
	6/13/1999	Abandoned during soil remediation.							
MW-3	10/7/1992	0.2	1.3	0.2	0.88	1.73	<1.0	<0.2	<0.2
	8/16/1993	<1	1.0	<1	<1	<2	50	<0.1	<0.1
	2/16/1995	<1.0	<1.0	<1.0	<1.0	<2.0	**85**	NT	NT
	3/8/1996	<0.5	<0.6	<0.6	<1.7	<2.6	**97**	<0.028	<0.028
	5/2/1997	1.3	<0.20	<0.22	<0.23	<0.51	**480**	0.21	0.21
	8/22/1997	**6.1**	<1.0	<1.1	<1.6	<3.5	**490**	0.37	0.37
	3/9/1998	<1.5	<0.40	<0.44	<0.46	<0.92	**440**	0.19	0.19
MW-3R	6/13/1999	0.63	<0.68	<0.66	<2.01	<1.34	12	0.016	0.169
	9/21/2000	<0.5	<0.5	<0.5	<0.5	<2.0	37.2	NT	NT
	12/26/2000	<0.39	<0.37	<0.4	<1.43	<1.04	**77**	NT	NT
	3/22/2001	<0.5	<0.5	<0.5	<0.5	<2.0	**82.1**	NT	NT
	6/29/2001	**6.8**	<0.41	<0.22	<0.69	<0.6	**83**	NT	NT
	9/17/2001	1.6	<0.41	<0.22	<0.69	<0.6	**88**	NT	NT
MW-4	10/7/1992	<0.2	0.8	0.99	2.7	8.9	<1.0	0.058	0.058
	8/16/1993	<1	1.3	<1	1.1	<2.3	1.8	<0.1	<0.1
	2/16/1995	<1.0	<1.0	<1.0	<1.0	<2.0	18	NT	NT
	3/8/1996	<0.5	<0.6	<0.6	<1.7	<2.6	**414**	0.203	0.203
	5/2/1997	3.0	<0.20	<0.22	<0.23	<0.51	**440**	0.19	0.19
	8/22/1997	<0.65	<1.0	<1.1	<1.2	9.2	**390**	0.43	0.43
	3/9/1998	<2.5	<0.40	<0.44	<0.46	<1.19	**260**	0.17	0.17
	6/13/1999	Abandoned during soil remediation.							
MW-4R	9/17/2001	<0.21	<0.41	<0.22	<0.69	<0.6	8.6	NT	NT
MW-5	3/10/1994	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<0.10	<0.10
	2/16/1995	<1.0	<1.0	<1.0	<1.0	<2.0	1.9	NT	NT
	3/8/1996	<0.5	<0.6	<0.6	<1.7	<2.6	6	<0.028	<0.028

Table 1 (page 2)
Summary of Groundwater Quality Test Results
Former Total Station, 3061 South 108th Street, West Allis, WI

Location	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	TMB	MTBE	GRO	DRO
		ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppm
MW-5	5/2/1997	<0.13	<0.20	<0.22	<0.23	<0.51	23	<0.050	<0.050
	8/22/1997	<0.13	<0.20	<0.22	<0.23	<0.51	43	<0.050	<0.050
	3/9/1998	<0.13	<0.20	<0.22	<0.23	<0.51	3.1	<0.050	<0.050
	6/13/1999	<0.32	<0.35	<0.34	<1.0	<0.99	<0.31	<0.1	0.136
	9/21/2000	<0.5	<0.5	<0.5	<0.5	<2.0	1.16	NT	NT
	3/22/2001	<0.5	<0.5	<0.5	<0.5	<2.0	<0.2	NT	NT
	6/29/2001	<0.21	<0.41	<0.22	<0.69	<0.6	<0.46	NT	NT
MW-6	3/10/1994	**1500**	300	170	620	**1,010**	**990**	6.6	6.6
	2/16/1995	**1000**	8.9	130	190	**<935**	**930**	NT	NT
	3/8/1996	**407**	<30	108	294	**<831**	**687**	4.47	4.47
	5/2/1997	**120**	1.9	47	220	**<490**	**140**	2.4	2.4
	8/22/1997	**450**	25	140	630	**1064**	**200**	5.1	5.1
	3/9/1998	**70**	<4.0	37	210	**<615**	**75.0**	1.9	1.9
MW-6R	6/13/1999	3.8	0.4	1.4	10	8	<0.31	0.11	0.262
	9/21/2000	2.6	<0.5	<0.5	<0.5	<2.0	5.11	NT	NT
	12/26/2000	3.4	<0.37	<0.4	<1.43	<1.04	28	NT	NT
	3/22/2001	3.06	<0.5	1.1	<0.5	<2.0	4.16	NT	NT
	6/29/2001	1.0	<0.41	<0.22	<0.69	<0.6	10	NT	NT
	9/17/2001	0.35	<0.5	<0.22	<0.69	<0.6	11	NT	NT
MW-7	4/23/1996	**689**	99.0	115	1,418	**980**	**89**	1.06	1.06
	5/2/1997	**700**	94	380	2000	**<1,200**	<1.6	7.7	7.7
	8/22/1997	**210**	25	270	270	**961**	<0.80	6.6	6.6
	3/9/1998	**160**	<2.0	80	710	**<870**	<18	4.0	4.0
	6/13/1999	Abandoned during soil remediation.							
MW-8	4/23/1996	<0.9	3.8	4.5	25.8	63	<0.9	0.226	0.226
	5/2/1997	<0.13	<0.20	<0.22	<0.23	<0.51	3.6	<0.050	<0.050
	8/22/1997	<0.13	<0.20	<0.22	<0.23	<0.51	11.0	<0.050	<0.050
	3/9/1998	<0.13	<0.20	<0.22	<0.23	<0.51	18.0	<0.050	<0.050
	6/13/1999	Abandoned during soil remediation.							
MW-9	4/23/1996	**329**	15.0	20	42	<28	**464**	1.06	1.06
	5/2/1997	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/1997	**1000**	**1100**	320	1300	268	<1.6	7.4	7.4
	3/9/1998	**14**	0.42	1.5	1.2	<0.61	**240**	0.15	0.15
	6/13/1999	Abandoned during soil remediation.							
MW-10	3/9/1998	<0.13	<0.20	<0.22	<0.23	<0.51	<0.16	<0.050	<0.050
	5/12/1999	<0.5	<0.5	<0.5	<0.5	<2.0	<0.2	<0.05	NT
	6/13/1999	Abandoned during soil remediation.							
MW-11	3/9/1998	<0.13	<0.20	<0.22	<0.23	<0.51	17	<0.050	<0.050
	6/13/1999	<0.32	<0.35	<0.34	<1.0	<0.99	13	<0.1	0.215
	9/21/2000	<0.5	<0.5	<0.5	<0.5	<2.0	4.46	NT	NT
MW-11	12/26/2000	<0.39	<0.37	<0.4	<1.43	<1.04	2.5	NT	NT
	3/22/2001	<0.5	<0.5	<0.5	<0.5	<2.0	<0.2	NT	NT
	6/29/2001	<0.21	<0.41	<0.22	<0.69	<0.6	11	NT	NT
	9/17/2001	<0.21	<0.41	<0.22	<0.69	<0.6	3.4	NT	NT
MW-12	6/13/1999	0.5	0.48	0.5	<1.0	<1.24	20	<0.1	0.34
	9/21/2000	<0.5	<0.5	<0.5	<0.5	<2.0	28	NT	NT

Table 1 (page 3)
Summary of Groundwater Quality Test Results
Former Total Station, 3061 South 108th Street, West Allis, WI

Location	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	TMB	MTBE	GRO	DRO
		ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppm
MW-12	12/26/2000	<0.39	<0.37	<0.4	<1.43	<1.04	47	NT	NT
	3/22/2001	<0.5	<0.5	<0.5	<0.5	<2.0	24.4	NT	NT
	6/29/2001	<0.21	<0.41	<0.22	<0.69	<0.6	**73**	NT	NT
	9/17/2001	<0.21	<0.41	<0.22	<0.69	<0.6	33	NT	NT
MW-6A	6/29/2001	<0.21	<0.41	<0.22	<0.69	<0.6	39	NT	NT
	9/17/2001	<0.21	<0.41	<0.22	<0.69	<0.6	<0.46	NT	NT
ES		5	1,000	700	10,000	480	60	N/A	N/A
PAL		0.5	200	140	1,000	96	12	N/A	N/A

Note: TMB= Trimethyl Benzene MTBE= Methyl tert-butyl ether

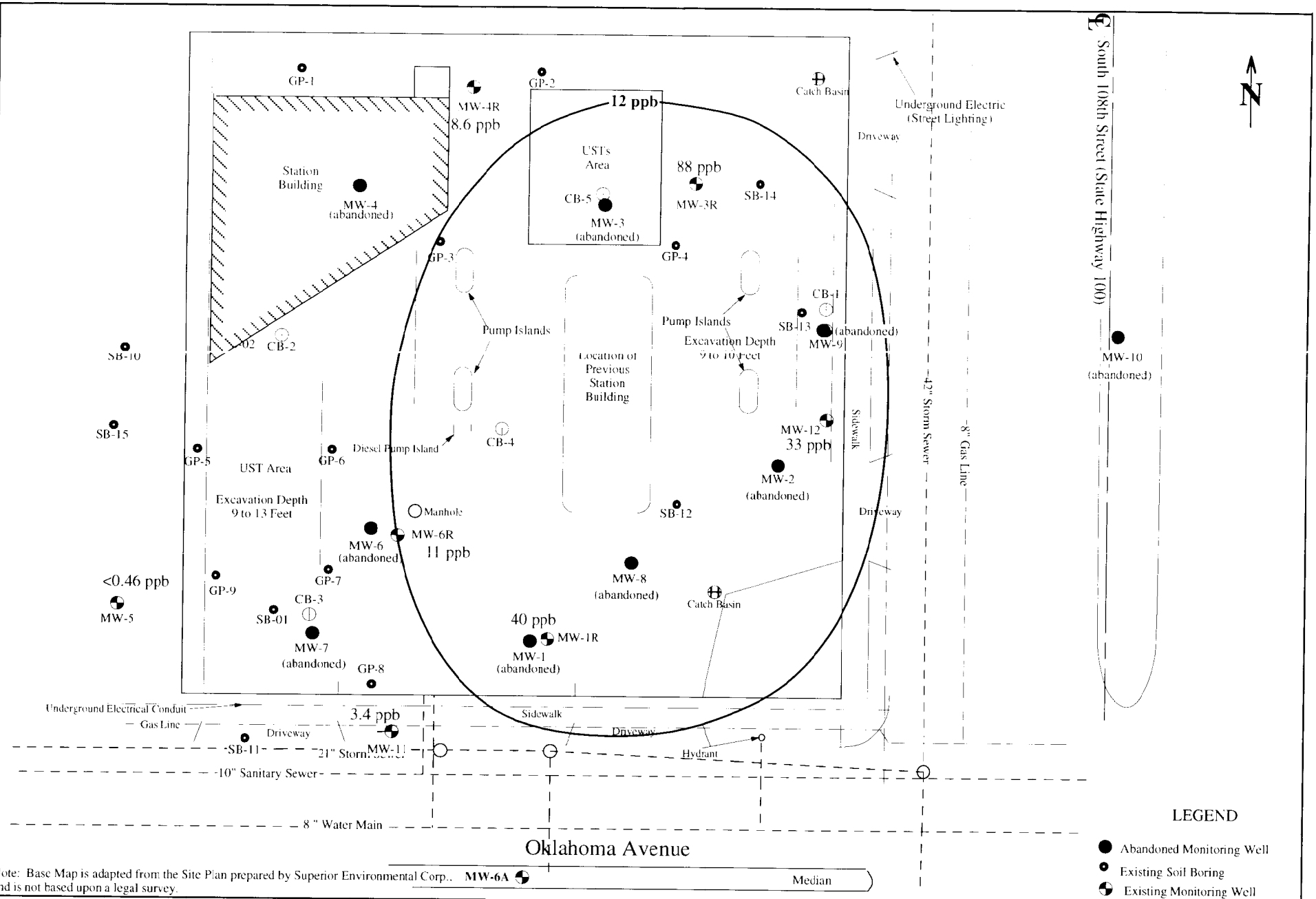
*-Well was dry at the time of sampling

Sampling from 10/92 conducted by Econotech Midwest, Inc.

Sampling from 1993 through 1996 conducted by Superior Environmental Corporation

Sampling during 1997 conducted by ATC Associates, Inc.

K. SINGH AND ASSOCIATES, INC.



Note: Base Map is adapted from the Site Plan prepared by Superior Environmental Corp., and is not based upon a legal survey.

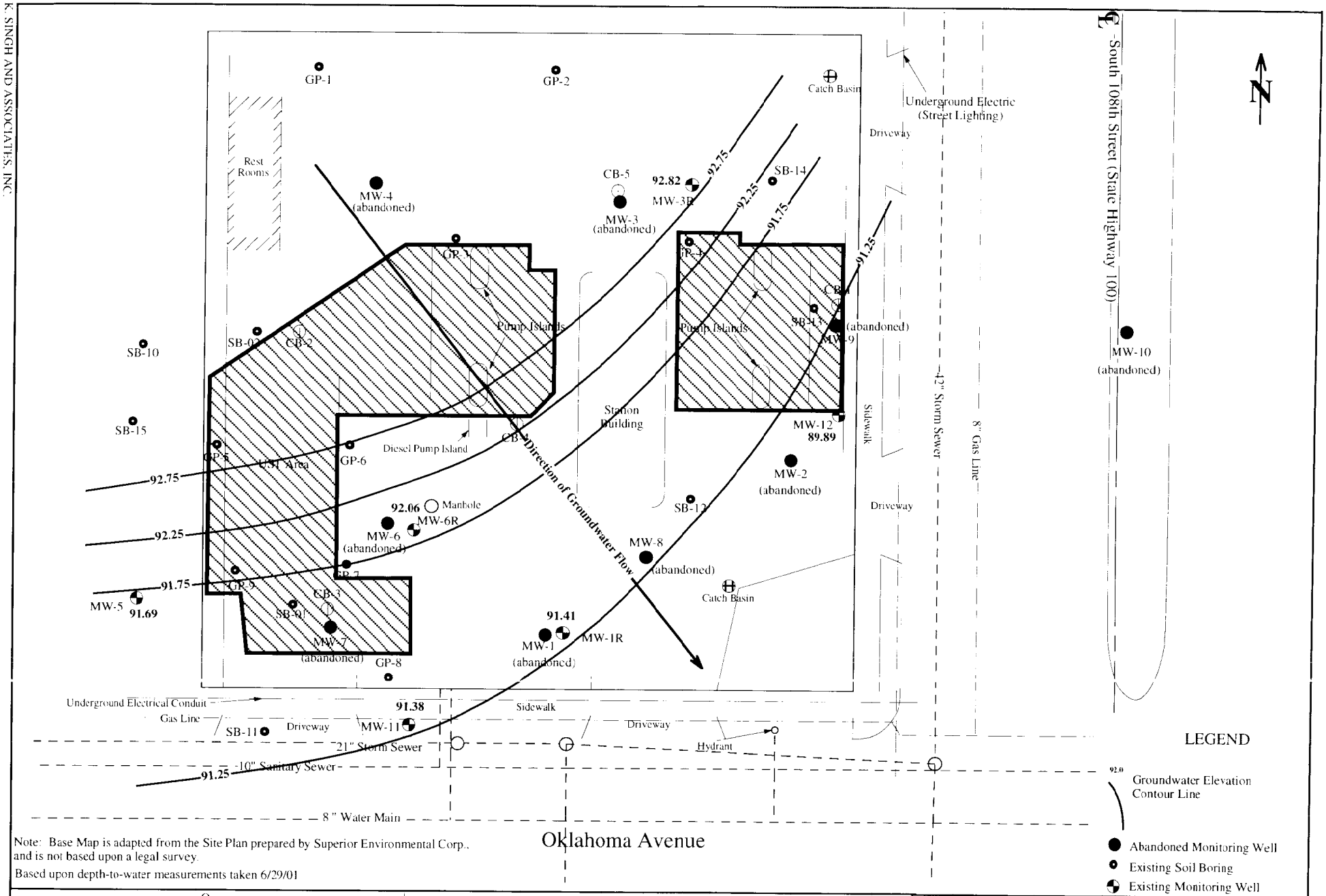
Owner	Engineer	Figure 3. Iso-concentration Map of MTBE Contamination in Groundwater			
A & A Petroleum, Inc. PROJECT LOCATION Former Total Station #2423 3061 South 108th Street West Allis, WI 53227	**K. SINGH & ASSOCIATES, INC.,** Engineers & Environmental Management Consultants 1135 Legion Drive, Elm Grove, Wisconsin 53122, (414) 821-1171	Date January 28, 1997	Drawn by M.J.P.	Project no. 4270	Date
		SCALE 0' 15' 30'	Checked by P.N.S.	Revised by M.K.J.	

KSA K. SINGH & ASSOCIATES, INC.

Table 1
Summary of Groundwater Elevations
Former Total Station, 3061 South 108th Street, West Allis, WI

Well #	MW-1	MW-1R	MW-2	MW-3	MW-3R	MW-4	MW-5	MW-6	MW-6R	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12
Screened Interval	11-21	5-15	11-21	9-19	5-15	8-18	9-19	6-16	6-16	4-14	4-14	4-14	5-15	5-15	5-15
Top of PVC*	96.31	96.31#	96.42	96.70	96.7#	97.22	98.77	96.78	96.78#	96.36	96.08	95.84	96.46	95.61	95.84
Date															
10/8/92	88.12	**	84.53	89.78	**	90.92	**	**	**	**	**	**	**	**	**
5/6/93	90.36	**	91.13	91.20	**	92.99	**	**	**	**	**	**	**	**	**
8/16/93	90.40	**	90.17	90.48	**	90.94	**	**	**	**	**	**	**	**	**
2/16/95	89.80	**	89.44	89.56	**	89.90	90.08	90.03	**	**	**	**	**	**	**
6/16/95	90.40	**	89.90	89.88	**	90.97	91.13	90.78	**	**	**	**	**	**	**
3/8/96	89.97	**	89.70	90.15	**	90.40	90.54	90.27	**	**	**	**	**	**	**
5/17/96	91.08	**	90.92	91.52	**	92.40	92.56	91.69	**	91.76	91.37	88.95	**	**	**
5/29/97	90.88	**	90.74	91.60	**	92.25	92.37	91.79	**	91.41	91.13	NA	**	**	**
9/15/97	90.43	**	90.64	90.37	**	91.16	91.21	91.08	**	90.96	90.56	88.59	**	**	**
3/9/98	90.73	**	90.70	92.70	**	92.89	93.09	92.02	**	91.28	91.10	88.56	87.96	91.43	**
4/13/98	90.84	**	91.36	92.39	**	93.15	92.64	92.05	**	92.11	91.52	89.05	90.41	91.79	**
6/11/99	***	92.14	***	***	93.52	***	93.50	***	94.00	***	***	***	***	92.59	91.82
9/27/00	***	91.41	***	***	93.08	***	91.70	***	91.94	***	***	***	***	91.20	89.88
12/26/00	***	89.31	***	***	91.50	***	NM	***	89.82	***	***	***	***	89.49	88.40
6/29/01	***	91.41	***	***	92.82	***	91.69	***	92.06	***	***	***	***	91.38	89.89
9/17/01	***	90.82	***	***	92.31	***	NM	***	91.19	***	***	***	***	90.59	89.45

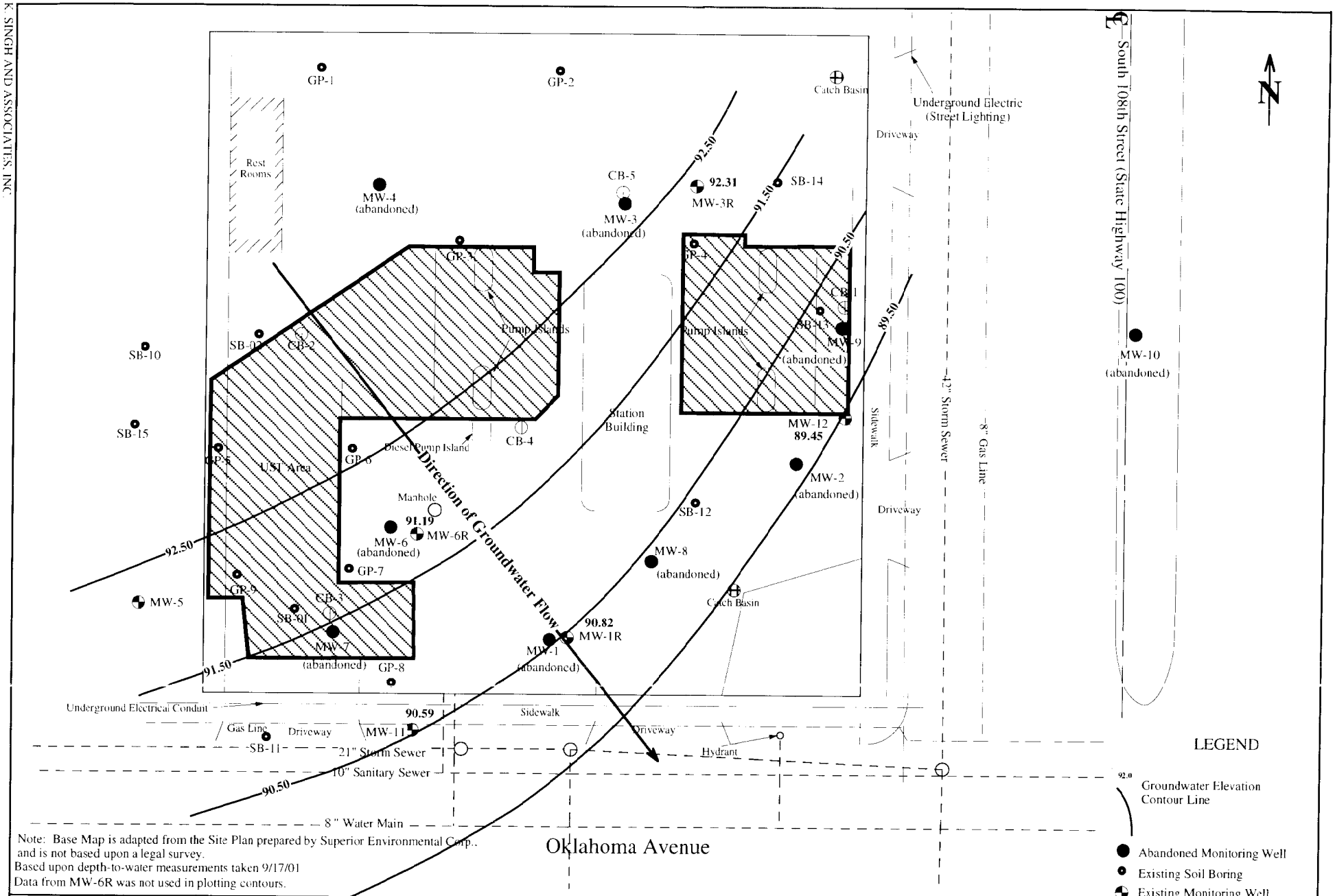
Notes: * -Based upon arbitrary site base elevation of 100.00 feet
**- Well was not installed at the time of sampling
***- These wells were abandonded
# - Estimated elevation based on previous well.
NT= Depth to water not taken
NA= Data not available
Depth to water readings 10/92 were taken by Econotech Midwest, Inc.
Depth to water readings 1993 through 1996 were taken by Superior Environmental Corporation.
Depth to water readings in 1997 were taken by ATC Associates



Note: Base Map is adapted from the Site Plan prepared by Superior Environmental Corp., and is not based upon a legal survey.

Based upon depth-to-water measurements taken 6/29/01

Owner	Engineer	Figure 1. Groundwater Elevation Contours (6/29/01)			
A & A Petroleum, Inc. PROJECT LOCATION Former Total Station #2423 3061 South 108th Street West Allis, WI 53227	**K. SINGH & ASSOCIATES, INC.,** Engineers & Environmental Management Consultants 1135 Legion Drive, Elm Grove, Wisconsin 53122, (414) 821-1171	Date January 28, 1997	Drawn by M.J.P.	Project no. 4270	Date
		SCALE 0' 15' 30'	Checked by P.N.S.		



Note: Base Map is adapted from the Site Plan prepared by Superior Environmental Corp., and is not based upon a legal survey.
Based upon depth-to-water measurements taken 9/17/01
Data from MW-6R was not used in plotting contours.

Owner	Engineer	Figure 2. Groundwater Elevation Contours (9/17/01)			
A & A Petroleum, Inc. PROJECT LOCATION Former Total Station #2423 3061 South 108th Street West Allis, WI 53227	**K. SINGH & ASSOCIATES, INC.,** Engineers & Environmental Management Consultants 1135 Legion Drive, Elm Grove, Wisconsin 53122, (414) 821-1171	Date January 28, 1997	Drawn by M.J.P.	Project no. 4270	Date
		SCALE 0 15' 30'	Checked by P.N.S.		

Table 1
Summary of Soil Quality Test Results

Sample ID	Sample Depth	PID Reading	Benzene	Toluene	Ethylbenzene	Total Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	GRO	DRO	Lead
	ft	Inst. Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppm	ppm
Soil Borings for Additional Investigation- February 1998												
CB-1	7-9	80	**3,260**	<302	**4,470**	**15,700**	7,370	2,290	<483	**100**	7	NT
CB-2	5-7	32	**1,660**	614	**3,320**	1,060	1,210	1,050	<1280	**1,280**	NT	NT
CB-3	5-7	134	**3,880**	**1,940**	**20,600**	**86,200**	57,000	15,800	<3,460	**1,040**	**413**	NT
	9-11	50	**222**	<29	806	3,740	11,600	327	<29	78	NT	NT
CB-4	3-5	BK	<29	<29	<29	<88	<29	<29	<29	< 5.9	<5.9	NT
CB-5	3-5	BK	<29	<29	<29	<87	<29	<29	<29	<5.8	NT	NT
MW-10	3.5-5	BK	<30	<30	<30	<89	<30	<30	<30	<5.9	NT	NT
MW-11	3.5-5	BK	<32	<32	<32	<95	<32	<32	<32	<6.4	NT	NT
Soil Borings- December 1996*												
GP-1	6-8	NT	ND	ND	ND	ND	ND	ND	9	NT	NT	NT
GP-2	6-8	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
GP-3	6-8	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
GP-4	2-4	>10	**635**	**3,170**	952	**5,860**	2,200	745	<305	NT	NT	NT
	6-8	NT	**3,110**	**11,000**	2,870	**11,000**	3,830	1,320	<778	NT	NT	NT
GP-5	2-4	>10	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
	6-8	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
GP-6	2-4	>10	**23**	ND	ND	240	297	191	ND	NT	NT	NT
	6-8	NT	**673**	445	**6,350**	**69,900**	49,600	19,000	<159	NT	NT	NT
GP-7	2-4	>10	**221**	<232	197	1,280	430	348	ND	NT	NT	NT
	6-8	NT	**377**	<2,430	**13,400**	**69,300**	37,700	12,600	<150	NT	NT	NT
GP-8	2-4	>10	**54**	<258	160	910	652	295	ND	NT	NT	NT
	6-8	NT	<2,540	<6,350	**28,000**	**48,300**	90,200	17,800	<6,350	NT	NT	NT
GP-9	6-8	NT	<13,700	<12,400	**16,200**	**38,600**	130,000	33,600	<6,230	NT	NT	NT
Soil Borings-May 1996**												
MW-7	6-8	847	**1,310**	**4,280**	**13,900**	**54,400**	29,300	41,600	<440	**516**	**170**	NT
	12-14	5	**83**	<25	<25	<25	<25	<25	165	<0.9	6	NT
MW-8	4-6	46	<25	<25	<25	<25	<25	<25	<25	<0.9	<2.1	NT
	12-14	14	<25	<25	<25	<25	<25	<25	<25	<0.9	<1.9	NT
MW-9	4-6	35	**77**	<25	<25	<25	<25	<25	<25	4	<1.9	NT
	12-14	0	<25	<25	<25	<25	<25	<25	<25	<0.9	<1.7	NT
SB-14	6-8	16	<25	<25	<25	<25	<25	<25	<25	<0.9	<2.0	NT
	12-14	1	<25	<25	<25	<25	<25	<25	<25	<0.9	<2.1	NT
SB-15	8-10	2	<25	<25	<25	<25	<25	<25	<25	<0.9	<2.1	NT
	12-14	0	<25	36	<25	<25	<25	<25	<25	<0.9	<1.7	NT

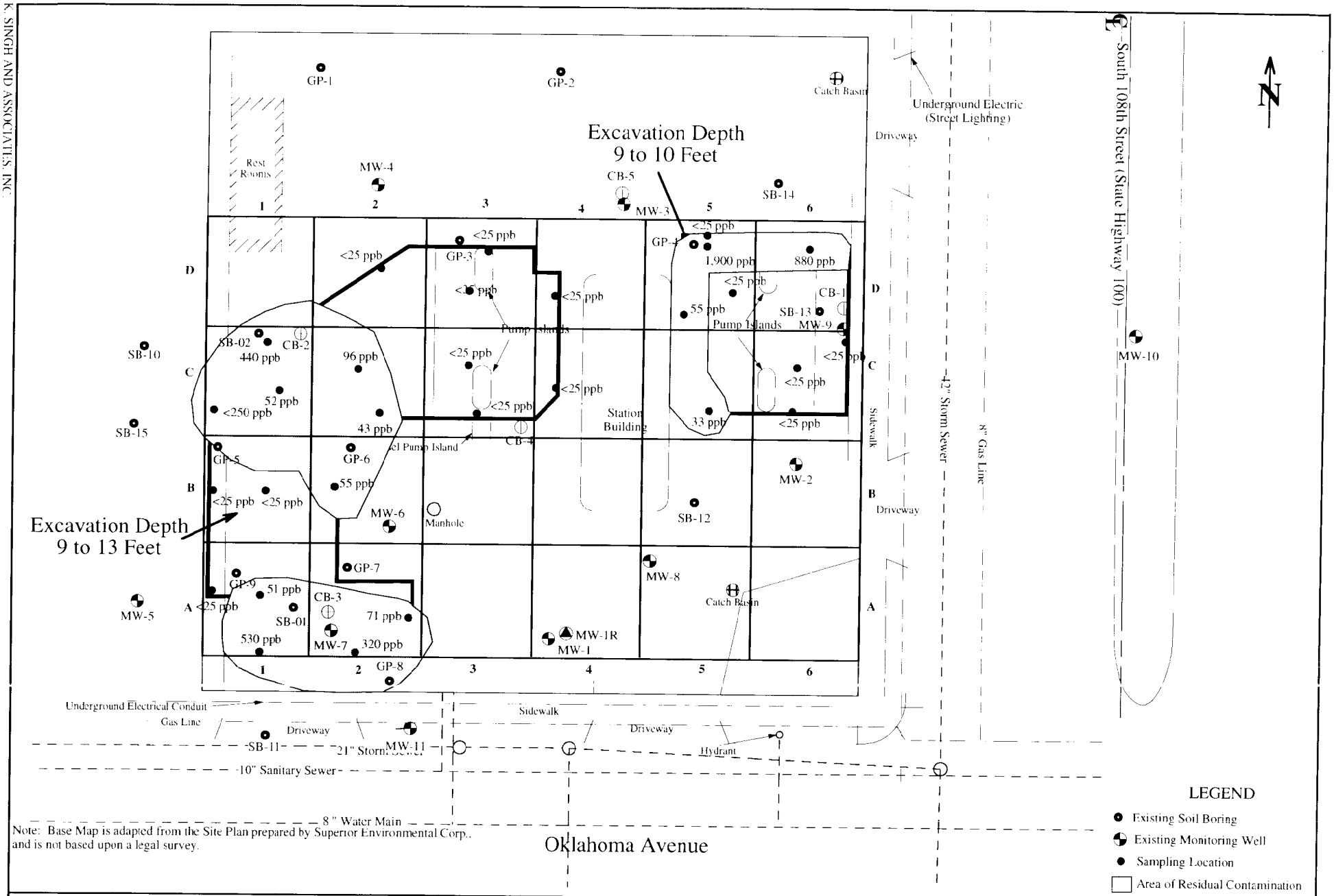
KSA KINGHAM & ASSOCIATES, INC.

Table 1
Summary of Soil Quality Test Results

Sample ID	Sample Depth	PID Reading	Benzene	Toluene	Ethylbenzene	Total Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	GRO	DRO	Lead
	ft	Inst. Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppm	ppm
Soil Borings-December 1993**												
MW-5	10	0	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<7.8	NT	<7.8
MW-6	5	62	**94**	5	5	18	<1.6	5	34	21	NT	9
	18	0	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<7.6	NT	<7.6
SB-10	5	4	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<7.9	NT	24
	8	0	7	2	<1.6	<1.6	<1.6	<1.6	48	<8.1	NT	<8.1
SB-11	8	0	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<7.7	NT	<7.7
SB-12	13	0	<1.6	<1.6	<1.6	<1.6	<1.6	<1.5	8	<7.8	NT	<7.8
SB-13	8	710	**5,400**	**2,400**	**94,000**	**390,000**	150,000	250,000	5,400	**2,500**	NT	<7.5
GB-1	2	NA	<60	<60	<60	250	<60	<60	<60	<6.0	5	NT
GB-2	2	NA	<60	<60	<60	<60	<60	<60	<60	<6.0	<4.8	NT
GB-3	3	NA	**710**	290	<63	<63	<63	<63	<63	24	<5.0	NT
Soil borings- October 1992^												
MW-1	14	0	<0.2	<0.8	<0.2	<0.8	<0.8	<0.8	<1	<5.0	1	9
MW-2	14	0	<0.2	<0.8	<0.2	<0.8	<0.8	<0.8	<1	<5.0	<0.6	5
MW-3	14	0	<0.2	<0.8	<0.2	<0.8	<0.8	<0.8	<1	<5.0	<0.6	6
MW-4	9	0	<0.2	<0.8	<0.2	<0.8	<0.8	<0.8	<1	<5.0	1	6
SB-1	9	1,500	<0.2	**30,000**	**27,000**	**150,000**	27,000	82,000	<1	**910**	**160**	11
SB-2	7	178	<0.2	970	**4,500**	**34,000**	8,900	28,000	<1	**210**	12	10
NR 720 Standard			6	1,500	2,900	4,100	---	---	---	100	100	---

Note: "PID"= Photoionization Detector
TMB = Trimethyl Benzene
MTBE = Methyl Tert-Butyl Ether
*- Soil samples taken by HSI Geotrans
**- Soil samples taken by Superior Environmental Corporation
^- Soil samples taken by Econotech Midwest, Inc.

K. SINGH AND ASSOCIATES, INC.



Note: Base Map is adapted from the Site Plan prepared by Superior Environmental Corp., and is not based upon a legal survey.

Owner	Engineer	Figure 2: Area of Residual Benzene Contamination			
A & A Petroleum, Inc. PROJECT LOCATION Former Total Station #2423 3061 South 108th Street West Allis, WI 53227	**K. SINGH & ASSOCIATES, INC.,** Engineers & Environmental Management Consultants 1135 Legion Drive, Elm Grove, Wisconsin 53122, (414) 821-1171	Date January 28, 1997	Drawn by M.J.P.	Project no. 4270	Date
		SCALE 0' 15' 30'	Checked by P.N.S.		

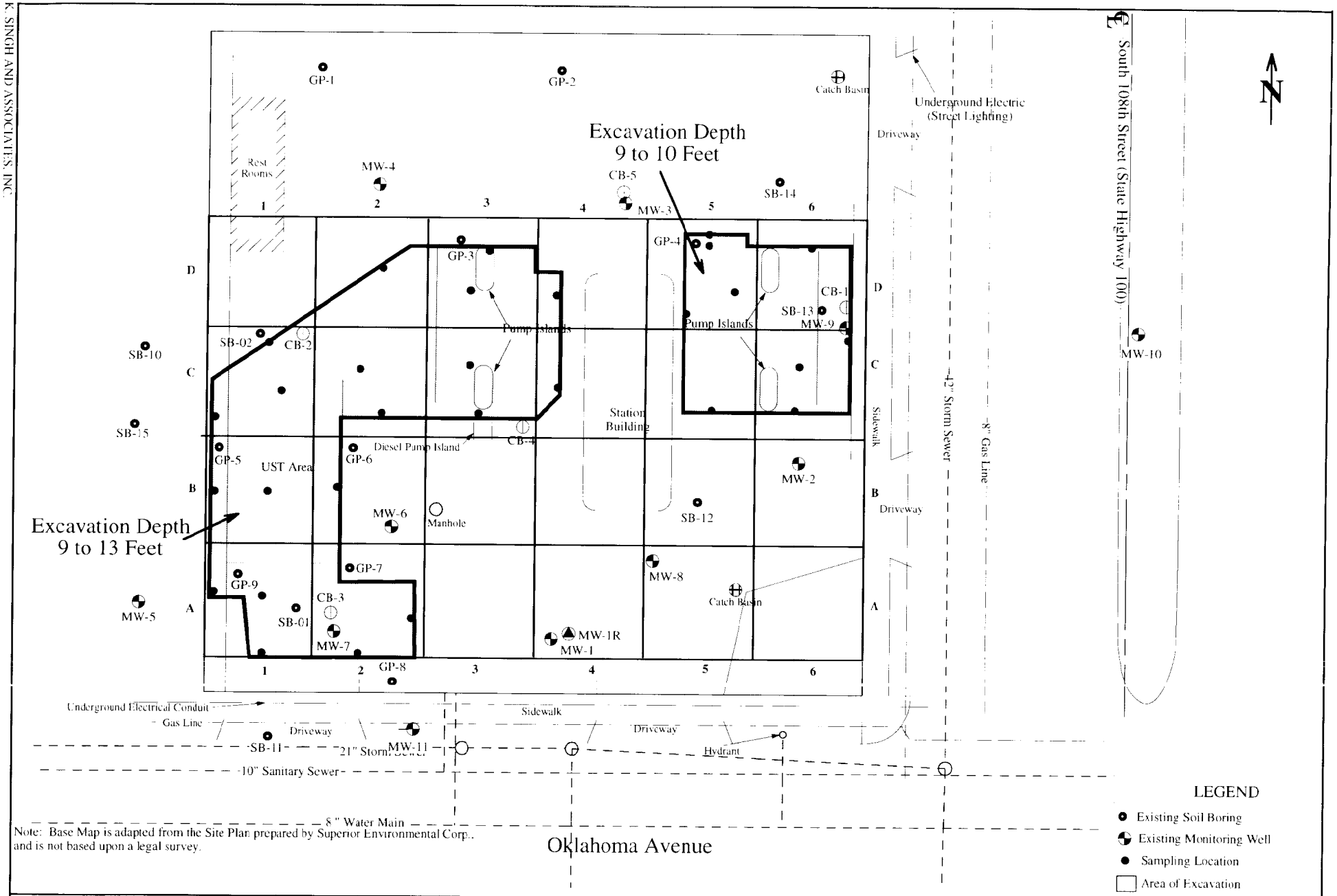
Table 2

Soil Quality Test Results
Former Total Station #2423, 3061 South 108th Street, West Allis, WI

Location	Date	HNU (ppm)	Benzene (ppb)	Ethyl-benzene (ppb)	Toluene (ppb)	Total Xylenes (ppb)	GRO (ppm)	DRO (ppm)
C-1W North, 6'	9/28/1998	180	440	3,800	< 25	6,500	280	NT
D-2W, 9'	9/28/1998	52	< 25	120	< 25	95	81	NT
C-2B, 10'	9/28/1998	10	96	< 25	< 25	810	13	NT
C-3B, 9.5'	9/29/1998	4	< 25	< 25	< 25	< 25	< 6.4	< 6.4
D-3B, 9.5'	9/29/1998	20	< 25	32	< 25	63	34	NT
C-2W, 6'	9/29/1998	136	43	1,200	770	9,100	290	760
C-3W, 5'	9/29/1998	5	< 25	< 25	< 25	170	12	NT
D-3W, 6'	9/29/1998	2	< 25	< 25	< 25	31	< 6.0	NT
C-4W, 5'	9/30/1998	1	< 25	< 25	< 25	63	12	NT
D-4W, 5'	9/30/1998	2	< 25	< 25	< 25	< 25	< 5.8	NT
A-1B, 12	9/30/1998	6	51	120	69	580	27	NT
B-1B, 12'	9/30/1998	4	< 25	230	42	470	30	NT
C-1B, 13'	9/30/1998	5	52	53	35	590	29	15
A-2W, 6'	9/30/1998	34	71	250	220	3,100	73	NT
B-2W, 6'	9/30/1998	38	55	300	190	1,900	59	12
A-1W, S, 8'	9/30/1998	200	530	28,000	4,400	160,000	2,000	NT
A-2W, S, 9'	9/30/1998	150	320	5,700	1,500	11,000	580	NT
A-1W, 8'	10/1/1998	20	< 25	160	41	1,500	63	NT
B-1W, 6'	10/1/1998	12	< 25	< 25	< 25	38	7.6	< 6.0
C-1W, 7'	10/1/1998	200	< 250	< 250	< 250	1,500	400	NT
D-5W, W, 9'	10/1/1998	82	55	280	< 25	260	55	NT
C-6W, E, 6'	10/1/1998	4	< 25	< 25	< 25	< 25	< 5.7	NT
D-6W, 9'	10/1/1998	74	880	330	2,800	1,900	12	NT
D-5W, 9'	10/1/1998	190	1,900	7,300	10,000	34,000	470	NT
D-5W, 7'	10/26/1998	4	< 25	< 25	< 25	< 25	< 5.9	NT
C-6W, 8'	10/1/1998	3	< 25	< 25	51	65	< 5.7	NT
C-5W, 7'	10/1/1998	10	33	< 25	< 25	150	8.2	NT
D-5B, 10'	10/1/1998	4	< 25	46	54	220	< 6.3	NT
C-6B, 10'	10/1/1998	4	< 25	< 25	< 25	< 25	< 6.0	NT
Field Blanks								
Field Blank	9/28/1998	---	< 25	< 25	< 25	< 25	< 5.0	NT
Field Blank	9/29/1998	---	< 25	< 25	< 25	< 25	< 5.0	NT
Field Blank	9/30/1998	---	< 25	< 25	< 25	< 25	< 5.0	NT
Field Blank	10/1/1998	---	< 25	< 25	< 25	< 25	< 5.0	NT
NR 720 Cleanup Standards		---	5.5	2,900	1,500	4,100	100	100
Site Specific Cleanup Goals		---	1,000	---	---	---	---	---

Note: NT - Not Tested

K. SINGH AND ASSOCIATES, INC.



Note: Base Map is adapted from the Site Plan prepared by Superior Environmental Corp., and is not based upon a legal survey.

Owner	Engineer	Figure 1: Soil Samples Location Map			
A & A Petroleum, Inc. PROJECT LOCATION Former Total Station #2423 3061 South 108th Street West Allis, WI 53227	**K. SINGH & ASSOCIATES, INC.,** Engineers & Environmental Management Consultants 1135 Legion Drive, Elm Grove, Wisconsin 53122, (414) 821-1171	Date January 28, 1997	Drawn by M.J.P.	Project no. 4270	Date
		SCALE 0' 15' 30'	Checked by P.N.S.		

KSA

K. SINGH & ASSOCIATES, INC.

Engineers, Scientists and Environmental Management Consultants

February 12, 2003

Mr. Michael Lewis
City Engineer
West Allis City Hall
7525 West Greenfield Avenue
West Allis, WI 53214

Project #4270

Subject: Notification of Potential Residual Contamination within City Right-of Way along Former Total Station #2423, 3061 South 108th Street. West Allis, WI 53207 (BRRTS #03-41-002766, COMMERCE #53227-3521-61)

Dear Mr. Lewis:

The purpose of this letter is to notify City of West Allis regarding potential residual petroleum contamination within the right-of-way of Oklahoma Avenue along former Total Station #2423 located at 3061 South 108th Street, West Allis, Wisconsin.

Groundwater is barley impacted by the petroleum contamination in monitoring wells MW-11 and MW-12 located south and east property lines, respectively (refer to Figure 1). It appears that petroleum contamination has not migrated to the City right-of-way. However, elevated residual contamination in soil exists within southwest corner of the property along north side walk of the Oklahoma Avenue. The location of confirmatory soil samples collected during excavation are shown in Figure 2 and soil quality test results are summarized in Table 1.

We notify the above details for your information and records. It is our understanding that the residual contamination will be remediated by natural attenuation. Please call us if you have any questions regarding this submittal.

Sincerely,

K. SINGH & ASSOCIATES, INC.

Mukesh Kumar Jain

Mukesh K. Jain, Ph.D.
Project Engineer

Pratap N. Singh, Ph.D., P.E.
Project Manager

cc: Mr. Khalid Ahmad/A&A Petroleum, Inc., 11840 W. Silver Spring Dr., Milwaukee, WI 53225
Ms. Kamala Singh / PECFA Claim File

1135 Legion Drive, Elm Grove, WI 53122 Phone: (262) 821-1171 Fax: (262) 821-1174 email: singh@execpc.com