

**GIS REGISTRY INFORMATION**

**SITE NAME:** Thad's Discount Brake and Muffler Shop  
**BRRTS #:** 03-41-004986 **FID # (if appropriate):** 241146400  
**COMMERCE # (if appropriate):** 53215-1335-29  
**CLOSURE DATE:** 14 April 2005  
**STREET ADDRESS:** 4229 W. Greenfield Ave  
**CITY:** Milwaukee WI 53215  
**SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection):** X= 685652 Y= 284666

**CONTAMINATED MEDIA:** Groundwater  Soil  Both

**OFF-SOURCE GW CONTAMINATION >ES:** Yes  No

**IF YES, STREET ADDRESS 1:** \_\_\_\_\_  
**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

**DOCUMENTS NEEDED:**

- Closure Letter, and any conditional closure letter or denial letter issued
- Copy of most recent deed, including legal description, for all affected properties
- 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
- 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.
- 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.
- Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)
- Tables of Latest Soil Analytical Results (no shading or cross-hatching)
- 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.
- GW: Table of water level elevations, with sampling dates, and free product noted if present
- GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)
- SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour
- Geologic cross-sections, if required for SI. (8.5x14" if paper copy)
- RP certified statement that legal descriptions are complete and accurate
- 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.



## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor  
Scott Hassett, Secretary  
Gloria L. McCutcheon, Regional Director

Southeast Region Headquarters  
2300 N. Dr. Martin Luther King, Jr. Drive  
Milwaukee, Wisconsin 53212-0436  
Telephone 414-263-8500  
FAX 414-263-8606  
TTY 414-263-8713

April 14, 2005

Mr. Khalid Ahmed  
A & A Petroleum  
11840 W. Silver Spring Drive  
Milwaukee, WI 53225

SUBJECT: Final Case Closure - Thau's Discount Brake and Muffler Shop  
4229 W. Greenfield Avenue, Milwaukee, WI 53215  
FID#: 241146400; BRRTS #: 03-41-004986; PECFA Claim #: 53215-1335-29

Dear Mr. Ahmed:

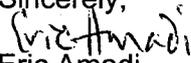
In June, 1999, your site as described above was reviewed for closure by the Department of Natural Resources. The Department reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On June 29, 1999, you were notified that conditional closure was granted to this case.

On November 22, 2004, the Department received correspondence (information) indicating that you have complied with the conditions of the closure. The conditions of closure required the responsible party (RP) to: a) place a groundwater use restriction on the all affected properties; b) abandon the monitoring wells and c) notify the City of Milwaukee about soil and groundwater contamination on the right-of-ways of West Greenfield Avenue and South 43<sup>rd</sup> Street (in order to protect workers' safety during construction activities). In lieu of the groundwater use restriction, the RP had opted to implement groundwater and soil GIS registry. Based on the information and data provided, it appears that your site has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code. The Department considers this case closed and no further investigation, remediation or other action is required at this time.

Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the registry. To review the sites on the GIS Registry web page, visit <http://gomapout.dnr.state.wi.us/org/at/et/geo/gwur/index.htm>

Please be aware that this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety or welfare, or the environment.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at (414) 263-8639.

Sincerely,  
  
Eric Amadi  
Hydrogeologist - SER/Milwaukee

cc: Steven Graetz - K. Singh & Associates, Inc./ SER Case File #: 03-41-004986



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor  
George E. Meyer, Secretary  
Gloria L. McCutcheon, Regional Director

Southeast Regional Headquarters  
2300 N. Dr. ML King Drive, PO Box 12436  
Milwaukee, Wisconsin 53212-0436  
Telephone 414-263-8500  
FAX 414-263-8483  
TDD 414-263-8713

June 29, 1999

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

FID 241146400  
BRRTS 0341004986

Subject: Closure request for Thau's Discount Brake and Muffler Shop located at 4229 W.  
Greenfield Ave., Milwaukee, WI

Dear Mr. Ahmed:

The Department has reviewed "Additional Information for Case Closure...", dated March 23, 1999, and any additional information pertaining to this site for closure. The Department concurs with your consultant that no further action is necessary at this time. All Monitoring wells must be abandoned within 60 days in accordance to ch. NR 141.25, WI Adm. Code (WAC).

A groundwater use restriction is necessary for closure because Benzene is remaining above the NR 141, WAC, enforcement standard. Please include with the groundwater use restriction a map/or maps of monitoring well and soil boring locations. If possible, include a map with the contaminate concentrations. Also the City of Milwaukee must be notified in writing of the degree and extent of contamination in the Right of Ways (ROWs) to protect worker safety. You may in the future be responsible for handling and disposing of the contaminated soils in the ROWs if they become excessable.

After Departmental approval of the draft groundwater use restriction, receipt of a copy of the recorded groundwater use restriction with appropriate maps and/or tables, and receipt of monitoring well abandonment documentation this site will be in compliance with ch. NR 726, WAC, and will be officially closed and tracked as such on the Department's tracking system. *However, this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety or welfare of the environment.*

Interim guidance on institutional controls may be found on the DNR's web site (<http://www.dnr.state.wi.us>) by searching "RR PDF Documents" or by calling the publication request line at (608)264-6009.

For expedient processing, please send all future correspondence to the attention of Brenda Brown - RR Program Assistant at the above address. Please include that I, Michelle McGee, am the current reviewer of the case.

If you have any questions regarding this letter, please contact me at the above address or at (414) 263-8644.

Sincerely,

Michelle M. McGee  
Hydrogeologist  
Remediation and Redevelopment Program

cc: Dhruva Vangipuram, K. Singh & Associates, Inc.  
SER case file

DOCUMENT NO.

STATE BAR OF WISCONSIN FORM 1--1982  
WARRANTY DEED

THIS SPACE RESERVED FOR RETURNING DATA

REEL 3706 IMAGE 1016

7169076

REGISTER'S OFFICE } ss  
Milwaukee County, WI }  
RECORDED AT -11 30 AM

JAN - 5 1995

REEL 3706 IMAGE 1016  
Diana M. Boyer REGISTER  
OF DEEDS

This Deed, made between Ida Thau, surviving spouse  
of Charles Thau, deceased

Grantor.

and A & A Petroleum, Inc.

Grantee.

Witnesseth, That the said Grantor, for a valuable consideration

conveys to Grantee the following described real estate in Milwaukee  
County, State of Wisconsin:

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

Tax Parcel No. 457-0459-100-8

Lots Seven (7), Eight (8), Nine (9) and Ten (10), in Block Four (4), in Juneau Heights, in the Northeast One-quarter (1/4) of Section Two (2), and the Northwest One-quarter (1/4) of Section One (1), in Township Six (6) North, Range Twenty-one (21) East, in the City of Milwaukee, Milwaukee County, Wisconsin. Excepting therefrom: Beginning at the Northwest corner of Block 4, in Juneau Heights; thence North 88°14'43" East along the North line of said Block 4 and the South line of West Greenfield Avenue 35.00 feet; thence South 61°14'42" West, 39.64 feet to the West line of said Block 4 and the East line of South 43rd Street; thence North 00°44'00" West along said East line of South 43rd Street, 18.00 feet to the point of beginning.

TRANSFER  
\$ 675.00  
FEE

7169076  
RECORD 10.00  
RTX 675.00

This is not homestead property  
X26 (is not)

Together with all and singular the hereditaments and appurtenances thereunto belonging;  
And

warrants that the title is good, indefeasible in fee simple and free and clear of encumbrances except Municipal and zoning ordinances and agreements entered under them, recorded easements for the distribution of utility and municipal services, recorded building and use restrictions and covenants, general taxes levied in the year of closing and will warrant and defend the same.

Dated this 3rd day of January, 1996

(SEAL)

Ida Thau (SEAL)

• Ida Thau

(SEAL)

(SEAL)

AUTHENTICATION

Signature(s) of IDA THAU

authenticated this 3 day of January, 1996

Russell M. Lein

TITLE: MEMBER STATE BAR OF WISCONSIN

(If not authorized by § 706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY  
RUSSELL M. LEIN

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

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

ACKNOWLEDGMENT

STATE OF WISCONSIN

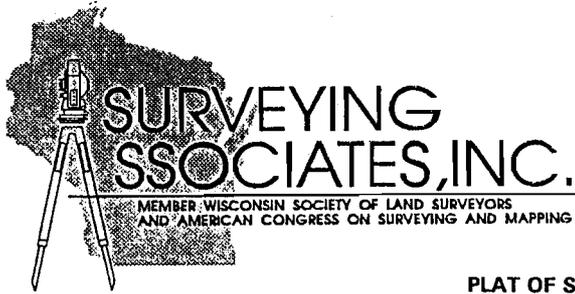
Milwaukee County, } ss.

Personally came before me this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_ the above named

to me known to be the person \_\_\_\_\_ who executed the foregoing instrument and acknowledge the same.

Notary Public \_\_\_\_\_ County, Wis.  
My Commission is permanent. (If not, state expiration date: \_\_\_\_\_, 19\_\_\_\_.)

1000



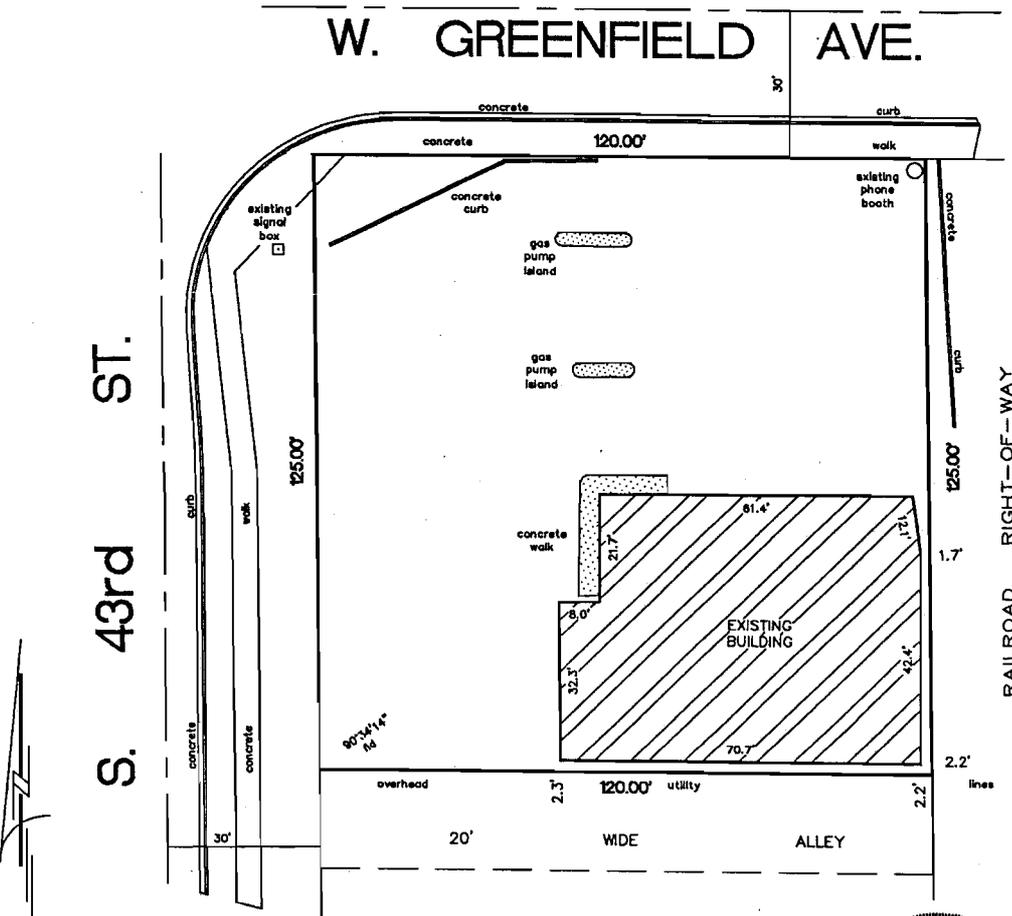
2554 N. 100TH STREET  
 P.O. BOX 26596  
 WAUWATOSA, WISCONSIN 53226  
 (414) 257-2212 FAX: (414) 257-2443

William J. Karpen RLS  
 Frederick W. Shibiiski RLS

PLAT OF SURVEY

LOTS 7, 8, 9 AND 10, BLOCK 4, JUNEAU HEIGHTS, in the Northeast 1/4 of Section 2 and the Northwest 1/4 of Section 1, Town 6 North, Range 21 East, in the City of Milwaukee, Milwaukee County, Wisconsin.

Survey location: 4229 W. Greenfield Avenue



SCALE: 1" = 30'

AREA OF PROPERTY = 15,000 SQ. FT.

Surveyed for: **KHALID AHMAD**

"I hereby certify that I have surveyed the above described property and that the above map is a true representation thereof and shows the size and location of the property, its exterior boundaries, the location of all visible structures and dimensions of all principal buildings thereon, boundary fences, apparent easements, roadways and encroachments, if any.

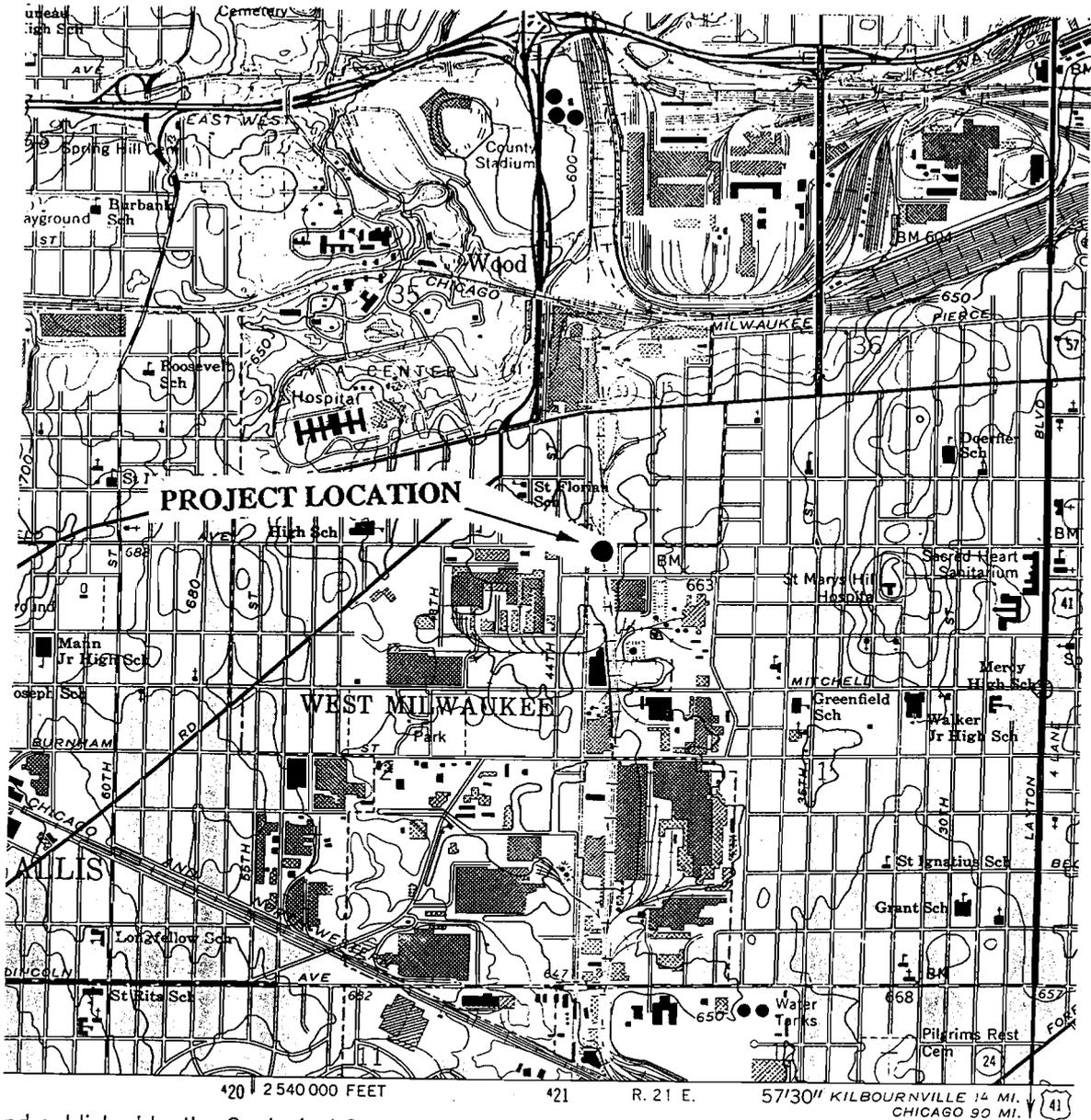
"This survey is made for the use of the present owners of the property, and also those who purchase, mortgage, or guarantee the title thereto within one year from date hereof."



NOTE: THIS IS NOT AN ORIGINAL SURVEY UNLESS THIS SEAL IS RED.

*Frederick W. Shibiiski*  
 WISCONSIN REGISTERED LAND SURVEYOR

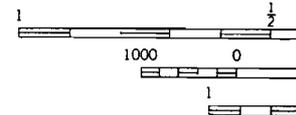
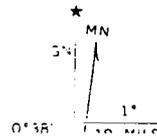
JUNE 2, 1995	MFS PMT	B.K.	25713
DATE	FIELD WORK BY	DRAWN BY	JOB NUMBER



and published by the Geological Survey  
C&GS, and City of Milwaukee

all photographs by photogrammetric methods  
between 1954-1955. Field check 1958

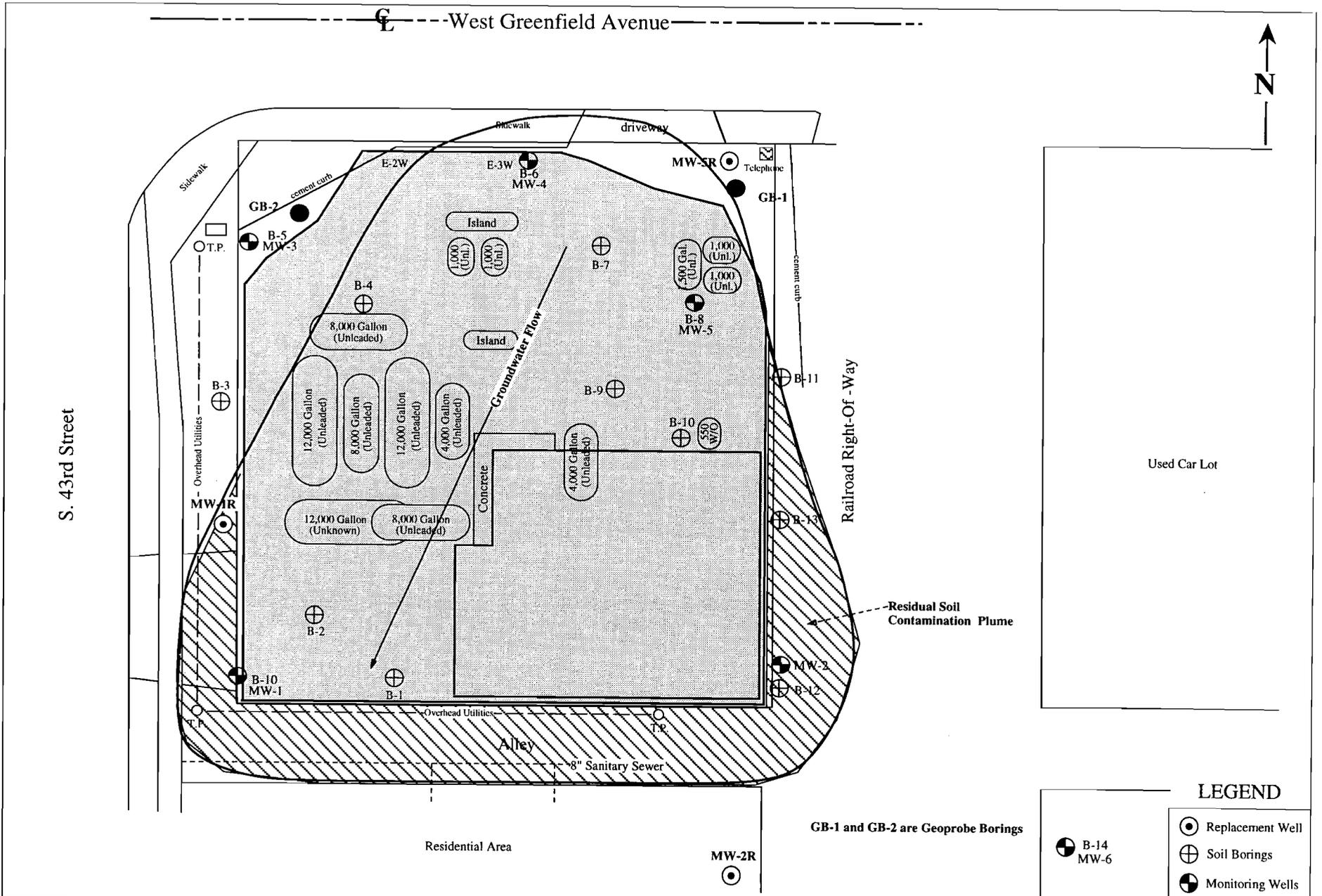
from U. S. Lake Survey charts 74



Scale: 1" = 2000'

Figure 1. Project Location Map

K. SINGH & ASSOCIATES, INC.



GB-1 and GB-2 are Geoprobe Borings

**LEGEND**

- Replacement Well
- Soil Borings
- Monitoring Wells

Owner  
**A & A Petroleum**  
 Thau's Discount Muffler  
 4229 W. Greenfield Avenue  
 Milwaukee, Wisconsin 53204

Engineer  
**K. SINGH & ASSOCIATES, INC.,**  
 Engineers & Environmental Management Consultants  
 1135 Legion Drive, Elm Grove, Wisconsin 53122, (414) 821-1171

Figure 1. Site Layout Map with Location of Replacement Monitoring Wells

Date June 9, 1995	Drawn By: A.S.M.	Revisions By T.L.O.	Date 4/10/96	Project No. 4097
Scale 	Checked By: R.B.S.			Sheet No. One

**Table 1**  
**Groundwater Quality Test Results for**  
**A A Petroleum Gas Station**  
**4229 West Greenfield Avenue, Milwaukee, WI**

Well Number	Sample Date	Lead (ppb)	Benzene (ppb)	Ethylbenzene (ppb)	MTBE (ppb)	Toluene (ppb)	Total Xylenes (ppb)	GRO (ppb)	DRO (ppb)
MW-1	7/12/95	<1.5	< 0.50	< 0.50	< 5.0	9.3	0.75	<50	NT
MW-1		Monitoring well was abandoned during soil remediation activities							
MW-1R	7/19/96	NT	1.5	<0.50	<5.0	<0.50	<0.50	100	NT
MW-1R	3/7/97	NT	<0.5	<0.5	<0.2	<0.5	<0.5	<50	NT
MW-1R	7/31/98	NT	0.91	0.63	0.93	2.5	3.8	<50	NT
MW-1R	11/3/98	NT	0.69	0.74	2.4	1.3	4.2	NT	NT
MW-2	9/7/95	Monitoring well was dry during three sampling events in 1995							
MW-2		Monitoring well was abandoned during soil remediation activities							
MW-2R	7/19/96	NT	2,800	<100	7,200	<100	100	2,100	NT
MW-2R	3/7/97	NT	290	21	400	3.9	17	560	NT
MW-2R	6/3/97	NT	71	13	130	<2.5	7.6	NT	NT
MW-2R	11/17/97	NT	30	5.9	110	3.1	5.6	NT	NT
MW-2R	2/17/98	NT	24	5.0	190	5.1	4.0	260	NT
MW-2R	7/17/98	NT	20	7.7	72	3.2	6	NT	NT
MW-2R	11/3/98	NT	19	3.0	28	1.9	3.2	NT	NT
MW-2R	2/19/99	NT	14	3.9	53	1.6	3.5	NT	NT
MW-3	7/12/95	<5.0	< 0.50	< 0.50	< 5.0	1.7	< 0.50	<50	<100
MW-4	7/12/95	6.1000	490	150	1,500	< 100	280	4	2,000
MW-4		Monitoring well was abandoned during soil remediation activities							
MW-5	7/12/95	<5.0	0.85	1.4	< 5.0	4.0	11	66	160
MW-5		Monitoring well was abandoned during soil remediation activities							
MW-5R	7/19/96	NT	<0.50	<0.50	<5.0	<0.50	<0.50	<50	NT
MW-5R	3/7/97		<0.5	<0.5	<0.2	1.7	0.64	<50	NT
MW-6	9/7/95	18	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	<50	<100
MW-6	7/19/96	NT	<0.50	<0.50	<5.0	<0.50	<0.50	<50	NT
MW-6	6/3/97	NT	<0.5	<0.5	<0.2	<0.5	<0.5	NT	NT
	PAL	5	1	272	12	69	124	*	*
	ES	50	5	1,360	60	343	620	*	*

Replacement monitoring wells MW-1R, MW-2R, and MW-5R were installed in July, 1996

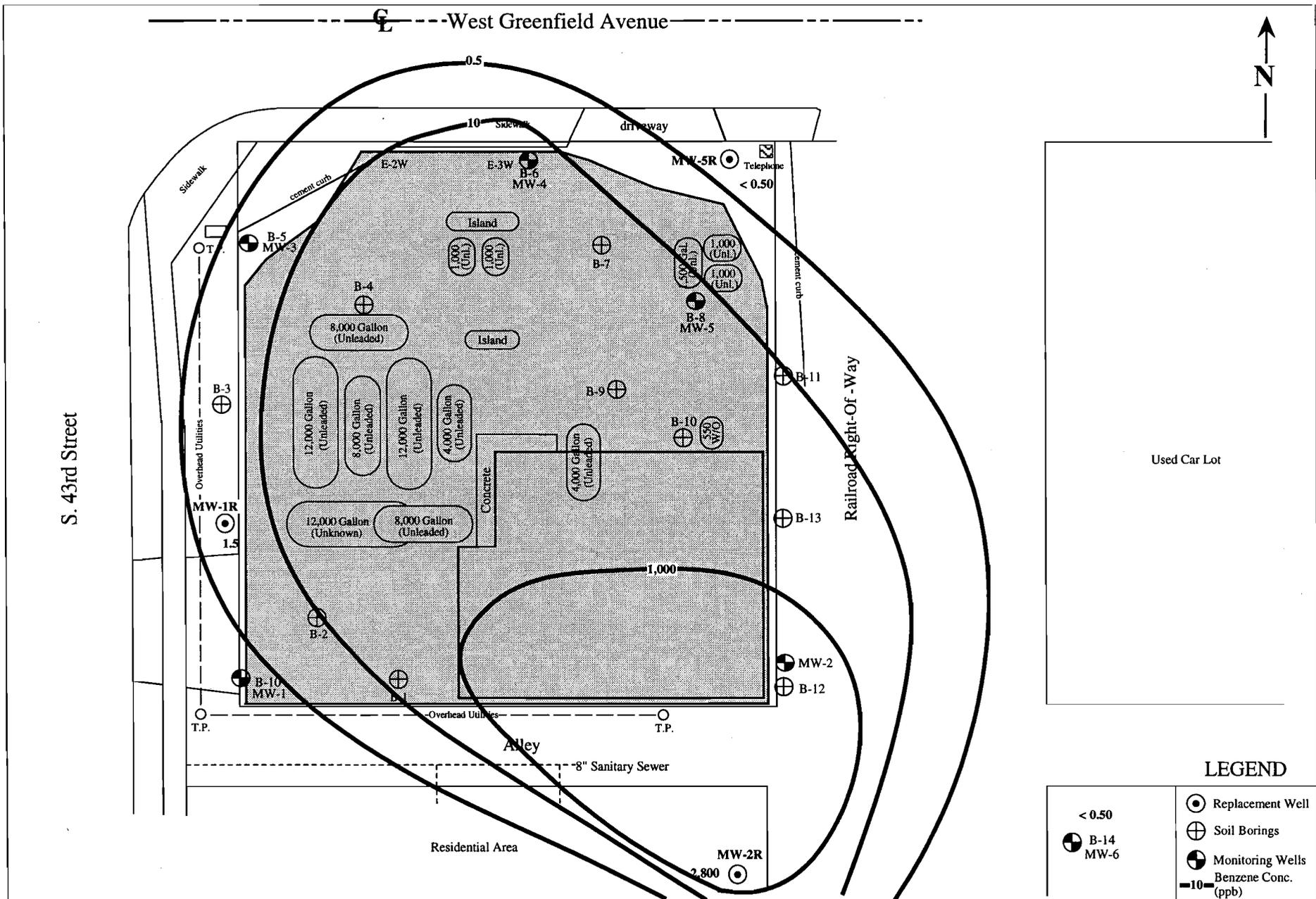
ND Not Detected

NT Not Tested

**Table 2**  
**Summary of Soil Quality Test Results**  
**Thau's Discount Brake and Muffler Shop**  
**4229 West Greenfield Avenue, Milwaukee, WI**

Location	Depth	Date	HNU (Inst. Units)	Benzene (ppb)	Ethylbenzene (ppb)	Toluene (ppb)	Total Xylenes (ppb)	1,2 DCA (ppb)	GRO (ppm)	DRO (ppm)	Lead (ppm)
<b>Bottom Samples</b>											
B-4B	20.0'	3/13/96	1	<10	<25	<25	<75	NT	<5.0	NT	5.8
B-5B	20.0'	3/13/96	1	<10	<25	<25	<75	NT	<5.0	NT	6.4
B-3B	20.0'	3/14/96	1	<10	<25	<25	<75	NT	<5.0	NT	NT
A-1B	15.0'	3/15/96	BK	<10	<25	<25	<75	NT	<5.0	NT	NT
B-1B	15.0'	3/15/96	1	<12	<30	<30	<90	NT	<6.0	NT	NT
B-2B	20.0'	3/15/96	1	<10	<25	<25	<75	NT	<5.0	NT	NT
C-2B	17.0'	3/18/96	BK	<25	<25	<25	<35	35	<5.0	6	4.8
C-2BA	18.0'	3/29/96	BK	<10	<25	<25	<35	<13	NT	NT	NT
C-1B	17.0'	3/18/96	BK	<10	<25	<25	<75	NT	<5.0	NT	NT
E-2B	9.0'	3/18/96	1	61	<25	<25	<75	NT	<5.0	NT	NT
E-2BA	10.0'	3/29/96	BK	<10	<25	<25	<75	NT	NT	NT	NT
D-1B	9.0'	3/18/96	BK	<10	<25	<25	<75	NT	<5.0	NT	NT
D-2B	10.0'	3/18/96	1	37	<25	<25	<75	NT	<5.0	NT	NT
D-2BA	11.0'	3/29/96	BK	<10	27	<25	84	NT	NT	NT	NT
C-3B	18.5'	3/18/96	1	<25	<25	<25	<35	<13	<5.0	NT	6.0
C-4B	13.0'	3/19/96	1	<11	<28	<28	<83	NT	<5.5	NT	NT
C-5B	9.0'	3/19/96	BK	300	<25	<25	<35	<13	<5.0	12	7.4
C-5BA	11.0'	3/29/96	BK	<10	<25	<25	<75	NT	NT	NT	NT
D-3B	12.0'	3/19/96	BK	<10	<25	<25	<75	NT	<5.0	NT	NT
D-4B	13.5'	3/19/96	BK	62	<25	<25	<35	<13	<5.0	NT	<4.0
D-4BA	14.5'	3/29/96	BK	<10	<25	<25	86	NT	NT	NT	NT
D-5B	13.0'	3/19/96	BK	<25	<25	<25	<35	<13	<5.0	NT	6.8
E-3B	9.0'	3/20/96	BK	<10	<25	<25	<75	NT	<5.0	NT	NT
E-4B	9.0'	3/20/96	BK	<25	<25	<25	<35	<13	<5.0	NT	6.7
E-5B	9.0'	3/20/96	BK	<10	<25	<25	<75	NT	<5.0	<5.0	NT
<b>South Wall Samples</b>											
A-1WS	10.5'	3/15/96	BK	<10	<25	<25	<75	NT	<5.0	NT	NT
A-2W	7.5'	3/15/96	1	<25	<25	63	82	<13	<5.0	<5.0	11
A-3W	6.5'	3/15/96	1	<70	<25	<25	<75	NT	<5.0	NT	NT
A-4W	9.5'	3/15/96	138	3,000	69	2,400	110	<13	42	<5.0	11
A-5WS	10.5'	3/15/96	7	<10	<25	<25	<75	NT	<5.0	NT	NT
A-3W	10.0'	3/15/96	255	3,000	1,800	11,000	7,700	<13	62	NT	9.2
<b>West Wall Samples</b>											
A-1WW	10.0'	3/15/96	1	<10	<25	<25	<75	NT	<5.0	NT	NT
D-1W	6.0'	3/18/96	2	<10	<25	<25	<75	NT	<5.0	NT	NT
C-1W	12.0'	3/18/96	5	<10	<25	<25	<75	NT	<5.0	<5.0	NT
B-1W	9.0'	3/18/96	4	<30	<25	<25	<75	NT	<5.0	NT	NT
<b>East Wall Samples</b>											
A-5WE	9.0'	3/14/96	2	<10	<25	<25	<75	NT	<5.0	NT	NT
B-5W	9.0'	3/19/96	2	110	<25	29	<35	<13	<5.0	NT	7.9
C-5W	6.0'	3/19/96	3	<10	<25	<25	<75	NT	<5.0	NT	NT
D-5W	7.5'	3/20/96	2	<25	<25	<25	<35	<13	<5.0	NT	7.1
<b>North Wall Samples</b>											
E-1W	6.0'	3/18/96	4	<25	<25	<25	<35	<13	<5.0	<5.0	6.3
E-2W	5.0'	3/19/96	124	<350	730	<500	<3,400	NT	200	<5.0	NT
E-3W	5.0'	3/20/96	1	<15	<25	<25	<75	NT	<5.0	NT	NT
E-5W	7.5'	3/20/96	BK	<10	<25	<25	<75	NT	<5.0	NT	NT
E-4W	5.0'	3/20/96	BK	<25	<25	<25	<35	<13	<5.0	NT	<4.5
NR 720 Clean-up Guidelines			---	5.5	2,900	1,500	4,100	4.9	250	250	---

BK Denotes Background Readings  
NT Denotes Not Tested



S. 43rd Street

West Greenfield Avenue



Used Car Lot

**LEGEND**

- $< 0.50$
- $\oplus$  B-14  
MW-6
- $\bullet$  Replacement Well
- $\oplus$  Soil Borings
- $\bullet$  Monitoring Wells
- $\text{---}10\text{---}$  Benzene Conc. (ppb)

Owner  
**A & A Petroleum**  
 Thau's Discount Muffler  
 4229 W. Greenfield Avenue  
 Milwaukee, Wisconsin 53204

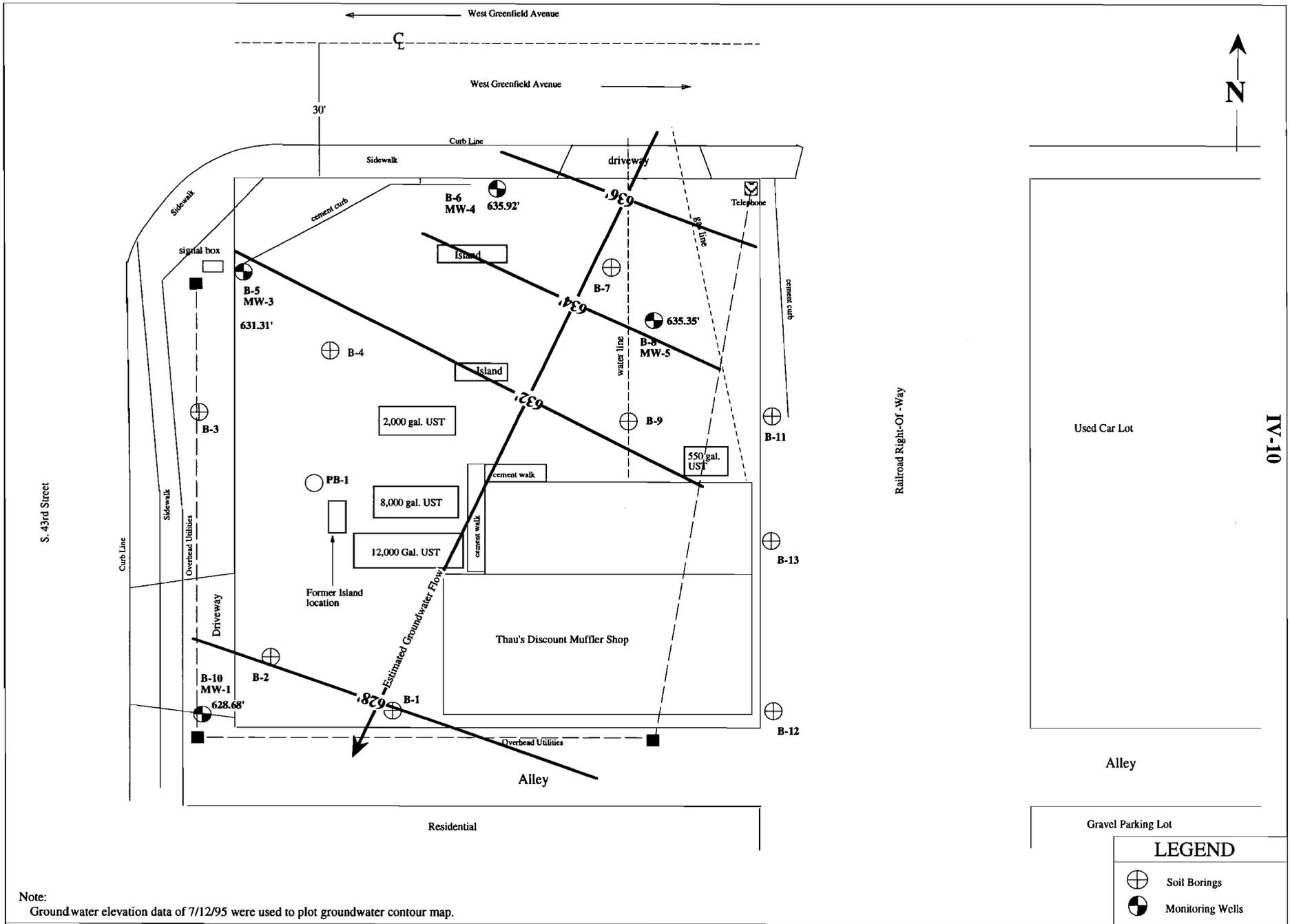
Engineer  
**K. SINGH & ASSOCIATES, INC.,**  
 Engineers & Environmental Management Consultants  
 1135 Legion Drive, Elm Grove, Wisconsin 53122, (414) 821-1171

Figure 8. Benzene Concentrations in Groundwater				
Date June 9, 1995	Drawn By: A.S.M.	Revisions By R.T.R.	Date 9/3/96	Project No. 4097
Scale  1" = 30'	Checked By: R.B.S.	D.K.S.		Sheet No. One



Table 4  
Summary of Groundwater Elevation Data

Monitoring Well Designation	PVC Elevation	Depth to GW 7/12/95	GW Elevation 7/12/95	Depth to GW 8/4/95	GW Elevation 8/4/95
	feet, MSL	feet	feet, MSL	feet	feet, MSL
MW-1	641.93	13.25	628.68	13.20	628.73
MW-3	641.31	10.00	631.31	7.88	633.43
MW-4	642.60	6.68	635.92	6.64	635.96
MW-5	644.35	9.00	635.35	8.86	635.49



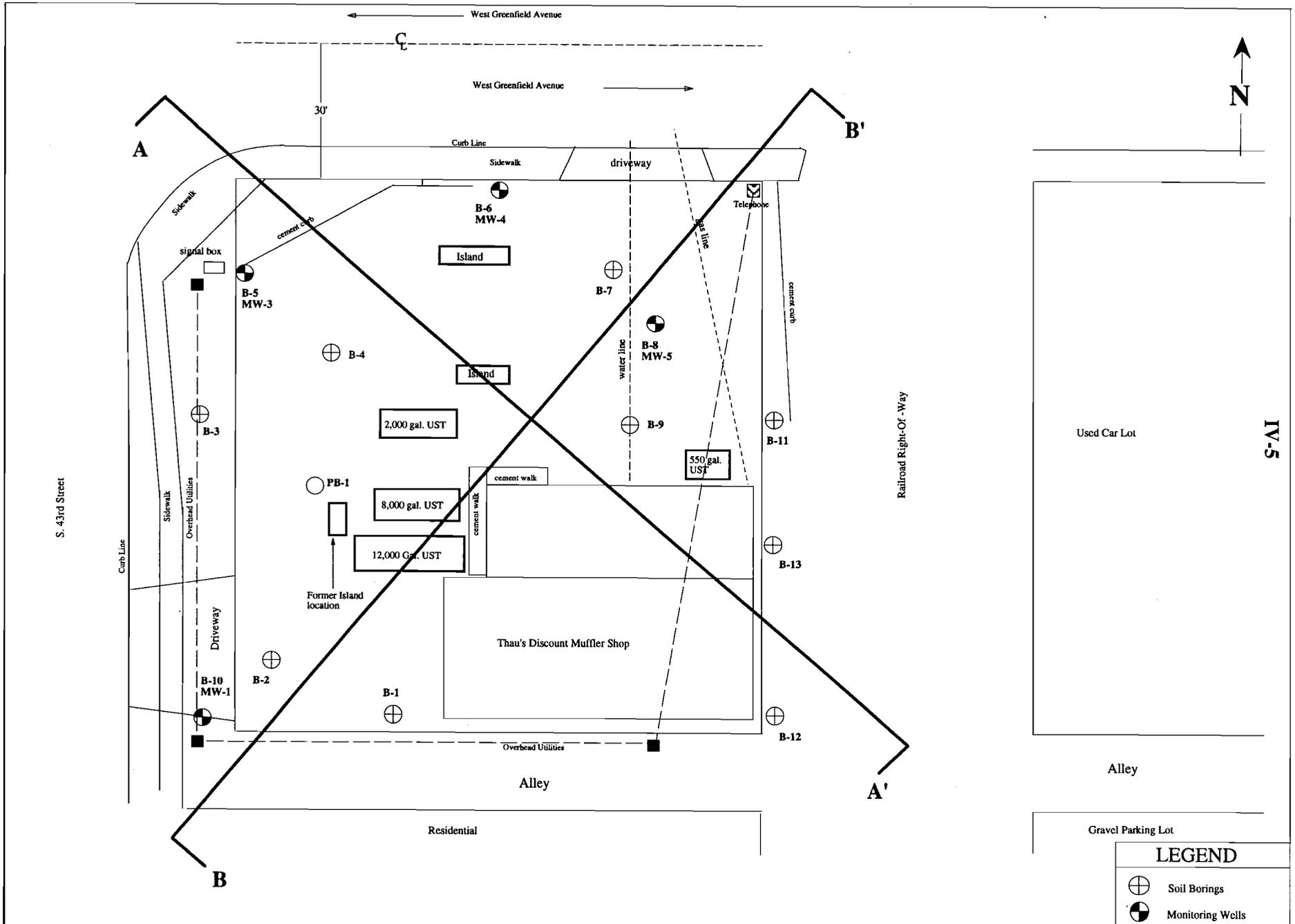
Note:  
Groundwater elevation data of 7/12/95 were used to plot groundwater contour map.

<b>Project Location</b> Thau's Discount Brake & Muffler Shop 4229 W. Greenfield Avenue Milwaukee, Wisconsin 53204	<b>Operator</b> A & A Petroleum 11840 W. Silver Spring Drive Milwaukee, Wisconsin 53225	<b>Engineer</b> <b>K. SINGH &amp; ASSOCIATES, INC.,</b> Engineers & Environmental Management Consultants 1135 Legion Drive, Elm Grove, Wisconsin 53122, (414) 821-1171
--	--	---

<b>Figure 7. Groundwater Elevation Contour Map</b>		<b>Date</b>	<b>Checked By</b>	<b>Revised By</b>	<b>Project #</b>
Scale 0' 15' 30'		July 31, 1995	ASM	RBS	4097
		<b>Drawn By</b>	<b>Date</b>	<b>Date</b>	<b>Sheet #.</b>
		RBS	8/1/95	8/1/95	One

LEGEND	
⊕	Soil Borings
⊗	Monitoring Wells

IV-10



**LEGEND**

	Soil Borings
	Monitoring Wells

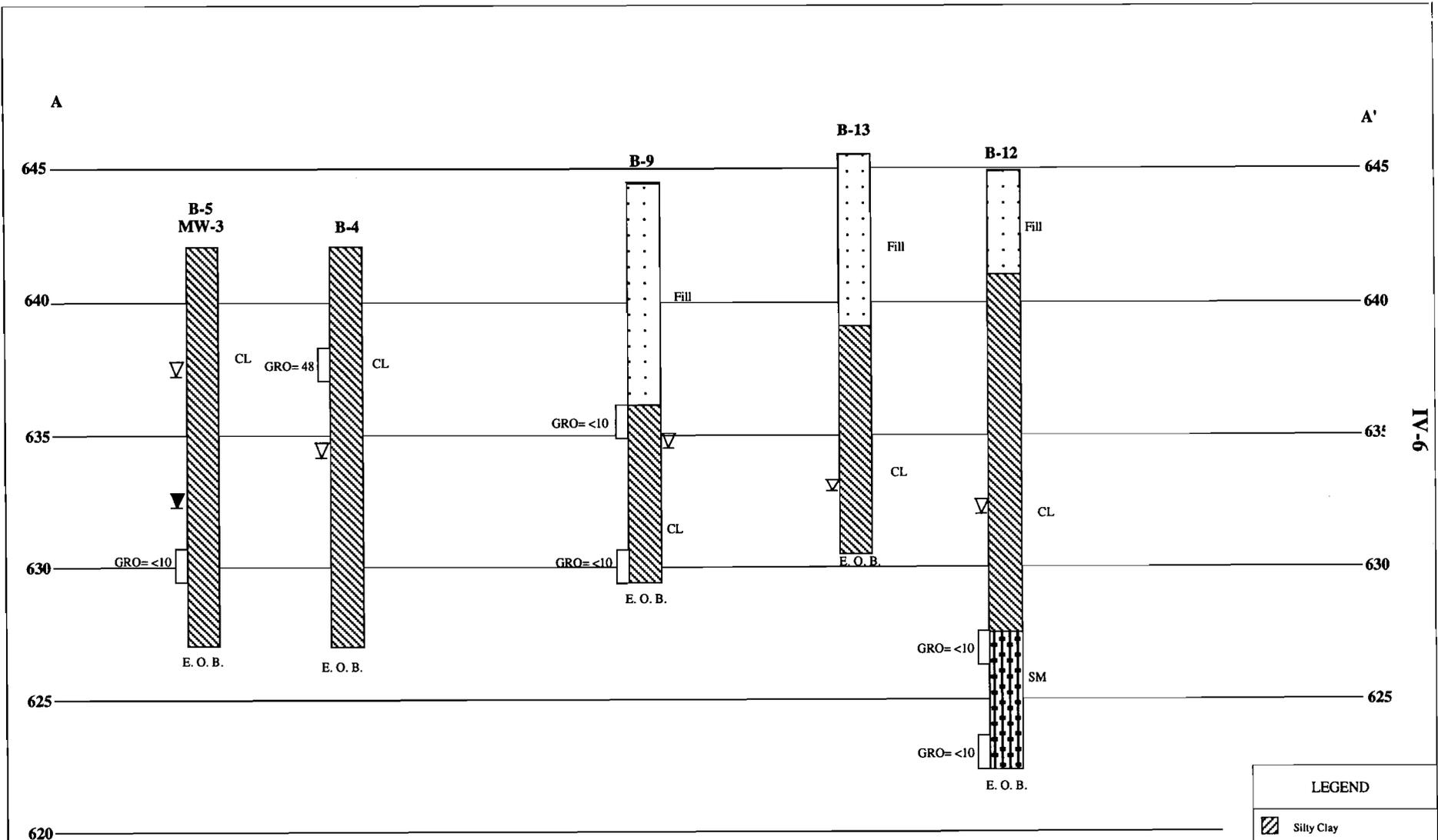
**Project Location**  
 Thau's Discount Brake & Muffler Shop  
 4229 W. Greenfield Avenue  
 Milwaukee, Wisconsin 53204

**Operator**  
 A & A Petroleum  
 11840 W. Silver Spring Drive  
 Milwaukee, Wisconsin 53225

**Engineer**  
**K. SINGH & ASSOCIATES, INC.,**  
 Engineers & Environmental Management Consultants  
 1135 Legion Drive, Elm Grove, Wisconsin 53122, (414) 821-1171

**Figure 4. Geologic Cross-Sections**

Scale 	Date	Checked By	Revised By	Project #
	July 31, 1995	ASM	RBS	4097
	Drawn By	Date	Date	Sheet #.
	RBS	8/1/95	8/1/95	One



9-A1

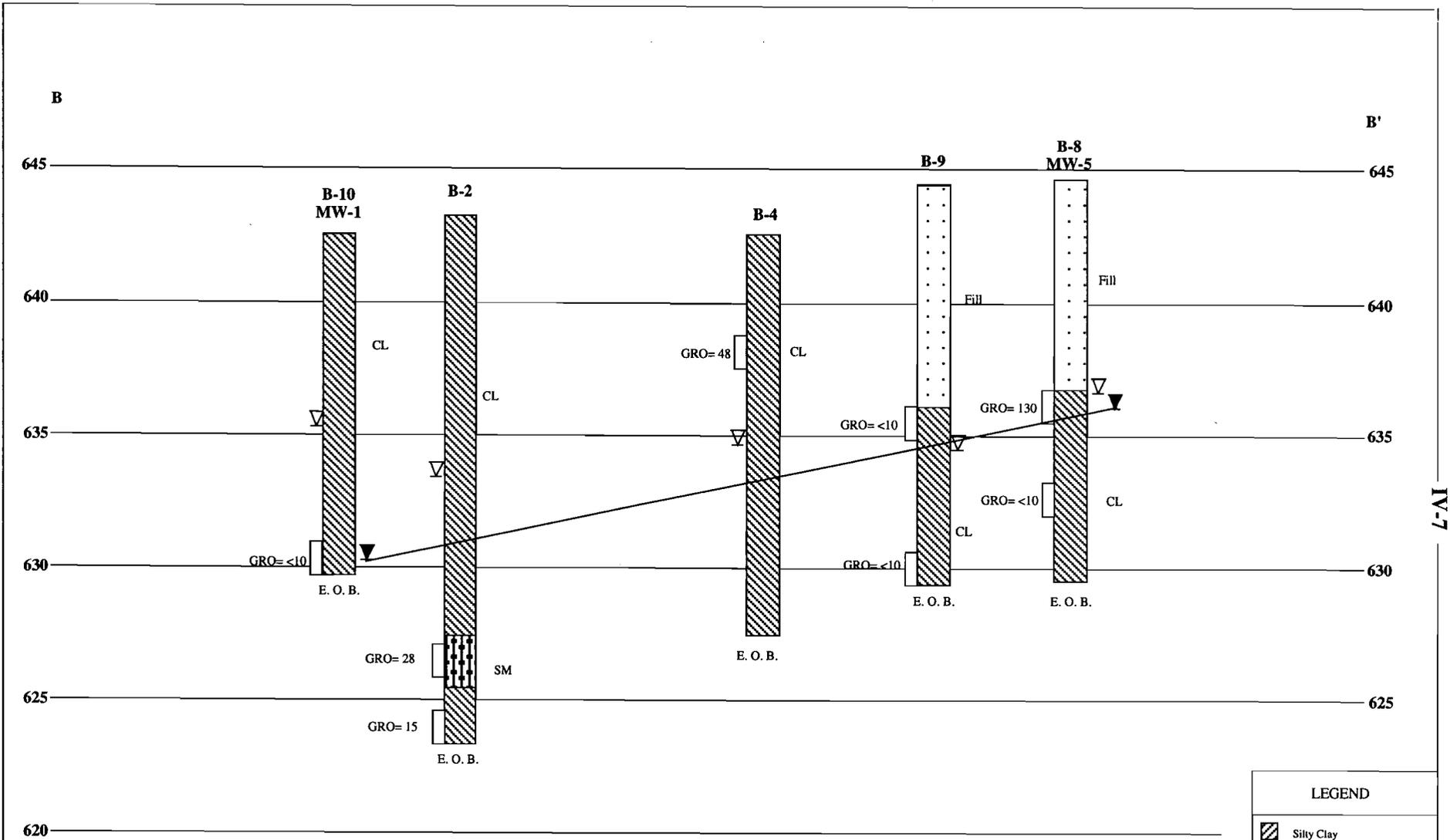
LEGEND	
	Silty Clay
	Fill
	Silty Sand
	GRO Concentrations in ppm
	E.O.B. End Of Boring
	Depth to water in Soil Boring
	Depth to Water in Well

**Project Location**  
 Thau's Discount Brake & Muffler Shop  
 4229 West Greenfield Avenue  
 Milwaukee, Wisconsin 53204

**Operator**  
 A & A Petroleum  
 11840 W. Silver Spring Drive  
 Milwaukee, Wisconsin 53225

**Engineer**  
**K. SINGH & ASSOCIATES, INC.,**  
 Engineers & Environmental Management Consultants  
 1135 Legion Drive, Elm Grove, Wisconsin 53122, (414) 821-1171

Figure 5: Geologic Section A-A'				
DATE August 3, 1995	DRAWN BY A.S.M.	REVISIONS BY	DATE	PROJECT NO. 4097
SCALE 		CHECKED BY R.B.S		SHEET NO. ONE



IV-7

LEGEND	
	Silty Clay
	Fill
	Silty Sand
	GRO Concentrations in ppm
	E.O.B. End Of Boring
	Depth to water in Soil Boring
	Depth to Water in Well

**Project Location**  
 Thau's Discount Brake & Muffler Shop  
 4229 West Greenfield Avenue  
 Milwaukee, Wisconsin 53204

**Operator**  
 A & A Petroleum  
 11840 W. Silver Spring Drive  
 Milwaukee, Wisconsin 53225

**Engineer**  
**K. SINGH & ASSOCIATES, INC.,**  
 Engineers & Environmental Management Consultants  
 1135 Legion Drive, Elm Grove, Wisconsin 53122, (414) 821-1171

Figure 6: Geologic Section B-B'				
DATE August 3, 1995	DRAWN BY A.S.M.	REVISIONS BY	DATE	PROJECT NO. 4097
SCALE 	CHECKED BY R.B.S.			SHEET NO. ONE

# Certification of Legal Description

Parcel Identification Number: 457-0459-100-8

**(Thau's Discount Muffler, 4229 West Greenfield Ave., Milwaukee, WI 53204)**  
(Source Property)

LOTS 7, 8, 9 AND 10, BLOCK 4, JUNEAU HEIGHTS, in the Northeast 1/4 of Section 2 and the Northwest 1/4 of Section 1, Town 6 North, Range 21 East, in the City of Milwaukee, Milwaukee County, Wisconsin.

I KHALID AHMED certify that the legal description provided above and on the attached Warranty Deed are complete and accurate to the best of my knowledge. The legal description correctly describe the parcels affected by petroleum releases from 4229 West Greenfield Ave., Milwaukee, Wisconsin.

Signature



Title

PRIS

Date

11/17/04



# K. SINGH & ASSOCIATES, INC.

Engineers, Scientists and Environmental Management Consultants

December 16, 1999

Mr. Ron Sweet  
Department of Public Works  
City of Milwaukee  
841 N. Broadway, 9th Floor  
Milwaukee, WI 53202

Project # 4097

Subject: Notification of Residual Soil Contamination in the Right-of-Ways at  
Thau's Discount Brake and Muffler Shop, 4229 W. Greenfield Avenue, Milwaukee, WI  
(FID #: 241146400, BRRTS #: 03-41-004986)

Dear Mr. Sweet:

On behalf of A & A Petroleum, we are pleased to inform you that the WDNR has determined that no further action is necessary at the referenced LUST site. A copy of the WDNR letter is included in Attachment A.

1. A & A Petroleum owns the former Thau's Discount Brake and Muffler Shop located at 4229 W. Greenfield Avenue, Milwaukee, Wisconsin. The property is bounded by railroad right-of-way to the east, South 43rd Street to west, West Greenfield Avenue to the north, and residences to the south.
2. A site investigation was conducted to delineate the plume of petroleum contamination in soil and groundwater. Based on this investigation and in accordance with the approval of the WDNR, approximately 11,663 tons of contaminated soils were excavated and disposed of at a landfill in 1996. Soil quality test results are included in the attached table.
3. Area of excavation and soil sampling locations are shown in the attached figure. Residual contamination was documented to the north, and south walls. The highest benzene concentration (3,000 ppb) was detected to the south in samples A-4W and A-5Ws at approximately 10 feet below grade in sandy soils. Low levels of BETX were detected to the north in soil sample E-2W located to the north along West Greenfield Avenue.
4. In the site closure approval letter (Attachment A), the WDNR has indicated that the City of Milwaukee must be notified of the extent and degree of soil contamination in the road right-of-way to protect worker safety.
5. Accordingly, we are notifying the above details for your information and records. It is our understanding that the residual contamination (described above) will be remediated by natural attenuation.
6. However, if any construction activity is initiated in near future, residual contaminated soil and groundwater may need to be managed in an environmentally acceptable manner and also protect workers safety during construction activity.

Please call us, if you have any questions regarding this submittal.

Sincerely,

K. SINGH & ASSOCIATES, INC.



Raghu B. Singh, Ph. D.  
Project Scientist



Dhruva N. Vangipuram, Ph. D., P. E.  
Senior Project Engineer

cc: John Hnat / WDNR, Dr. Martin Luther King, Jr. Drive, Milwaukee  
Khalid Ahmed / A & A Petroleum  
Kamala Singh / PECFA Claim File