





## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor  
Matthew J. Frank, 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 711

December 18, 2007

Atlantic Richfield Company  
c/o Rick Carney - Delta Consultants  
175 North Patrick Blvd.  
Brookfield, Wisconsin 53045

Subject: Final Case Closure with Land Use Limitations or Conditions  
Former Amoco Service Station No. 19731  
2009 West College Avenue, Milwaukee, WI.  
FID#: 241231320; BRRTS#: 03-41-443402

Dear Mr. Carney:

On September 5, 2007, the Department reviewed the above referenced case for closure. The Department reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On September 28, 2007, you were notified that the Department had granted conditional closure to this case.

On November 2, 2007, the Department received documentation that you have satisfied the requirement stated in the conditional closure letter (i.e. abandonment of all monitoring wells on the property). Based on the correspondence and data provided, it appears that your case meets the requirements of ch. NR 726, Wisconsin Administrative Code. The Department considers this case closed and no further investigation or remediation is required at this time.

Please be aware that pursuant to s. 292.12 Wisconsin Statutes, compliance with the requirements of this letter is a responsibility to which you and any subsequent property owners must adhere. If these requirements are not followed or if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, welfare, or the environment, the Department may take enforcement action under s. 292.11 Wisconsin Statutes to ensure compliance with the specified requirements, limitations or other conditions related to the property or this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code. It is the Department's intent to conduct inspections in the future to ensure that the conditions included in this letter including compliance with referenced maintenance plans are met.

### **Impervious Barrier Required**

Pursuant to s. 292.12(2)(a), Wis. Stats., the paved surfaces or other impervious cap that currently exists in the location shown on the attached map (Soil Analytical Results Summary Map and Surface Barrier Maintenance Area - Exhibit A) shall be maintained in compliance with the **attached maintenance plan** in order to minimize the infiltration of water and prevent additional groundwater contamination that would violate the groundwater quality standards in ch. NR 140, Wis. Adm. Code, and to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health. If soil in the specific location(s) described above is excavated in the future, the property owner at the time of excavation must sample and

Mr. Rick Carney  
RE: Final Case Closure with Land Use Limitations or Conditions  
Former Amoco Service Station No. 19731, Milwaukee, Wisconsin  
Page 2

analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner at the time of excavation will need to determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken during excavation activities to prevent a health threat to humans.

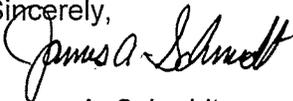
***The following activities are prohibited on any portion of the above described impervious barrier area of the property where pavement, a building foundation, soil cover, engineered cap or other barrier is required as shown on the attached map (Soil Analytical Results Summary Map and Surface Barrier Maintenance Area - Exhibit A), unless prior written approval has been obtained from the Wisconsin Department of Natural Resources: 1) removal of the existing barrier; 2) replacement with another barrier; 3) excavating or grading of the land surface; 4) filling on capped or paved areas; 5) plowing for agricultural cultivation; or 6) construction or placement of a building or other structure.***

In addition, depending on site-specific conditions, construction over contaminated materials may result in vapor migration into enclosed structures or migration along newly placed underground utility lines. The potential for vapor inhalation and mitigation should be evaluated when planning any future redevelopment, and measures should be taken to ensure the continued protection of public health, safety, welfare and the environment at the site.

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 GIS Registry. To review the sites on the GIS Registry web page, visit <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. If your property is listed on the GIS Registry because of remaining contamination and you intend to construct or reconstruct a well, you will need prior Department approval in accordance with s. NR 812.09(4)(w), Wis. Adm. Code. To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line <http://www.dnr.state.wi.us/org/water/dwg/3300254.pdf> or at the web address listed above for the GIS Registry.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Eric Amadi at (414) 263-8639.

Sincerely,



James A. Schmidt  
Southeast Region Remediation & Redevelopment Team Supervisor

cc: Adam McIlheran - Delta Consultants, 175 N. Patrick Blvd., Brookfield, WI 53045  
SER Case File #: 03-41-443402 / Bill Phelps, DG/2

## **IMPERMEABLE BARRIER MAINTENANCE PLAN**

December 6, 2006

Property Located at:

2009 West College Avenue  
Milwaukee, WI

FID No. 241231320  
BRRTS No. 03-41-443402

### **Introduction**

This document is the Maintenance Plan for a pavement cover and barrier at the above-referenced property in accordance with the requirements of s. NR 724.13(2), Wisconsin Administrative Code. The maintenance activities relate to the paved surfaces occupying the area over the contaminated soil on-site. The contaminated soil is impacted by benzene, ethylbenzene, xylenes and gasoline range organics. The location of the paved surfaces to be maintained in accordance with this Maintenance Plan, as well as the impacted soil is identified in the attached map (Exhibit A).

### **Cover and Building Barrier Purpose**

The paved surfaces over the contaminated soil serve as a barrier in order to minimize the infiltration of water and prevent additional groundwater contamination that would violate the groundwater quality standards in ch. NR 140. Wis. Adm. Code, and to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health. Based on the current and future use of the property, the barrier should function as intended unless disturbed.

### **Annual Inspection**

The paved surfaces overlying the soil and as depicted in Exhibit A will be inspected once a year, normally in the spring after all snow and ice is gone, for deterioration, cracks and other potential problems that can cause exposure to underlying soils. The inspections will be performed to evaluate damage due to settling, exposure to the weather, wear from traffic, increasing age, and other factors. Any area where soils have become or are likely to become exposed will be documented. A log of the inspections and any repairs will be maintained by the property owner and is included as Exhibit B, Cap Inspection Log. The log will include recommendations for necessary repair of any areas where underlying soils are exposed. Once repairs are completed, they will be documented in the

inspection log. A copy of the inspection log will be made available to the Wisconsin Department of Natural Resources ("WDNR") upon request.

### **Maintenance Activities**

If problems are noted during the annual inspections or at any other time during the year, repairs will be scheduled as soon as practical. Repairs can include patching and filling operations or they can include larger resurfacing or construction operations. In the event that necessary maintenance activities expose the underlying soil, the owner must inform maintenance workers of the direct contact exposure hazard and provide them with appropriate personal protection equipment ("PPE"). The owner must also sample any soil that is excavated from the site prior to disposal to ascertain if contamination remains. The soil must be treated, stored and disposed of by the owner in accordance with applicable local, state and federal law.

In the event the paved surfaces overlying the soil are removed or replaced, the replacement barrier must be equally impervious. Any replacement barrier will be subject to the same maintenance and inspection guidelines as outlined in this Maintenance Plan unless indicated otherwise by the WDNR or its successor.

The property owner, in order to maintain the integrity of the paved surfaces, will maintain a copy of this Maintenance Plan on-site and make it available to all interested parties (i.e. on-site employees, contractors, future property owners, etc.) for viewing.

### **Amendment or Withdrawal of Maintenance Plan**

This Maintenance Plan can be amended or withdrawn by the property owner and its successors with the written approval of WDNR.

**Contact Information**

December 2006

Site Property Owner/  
Operator:

Yasmeen Kassam  
RK Petroleum , LLC  
6001 West Calumet Road  
Milwaukee, WI 53223

Responsible Party:

Steven Thomas  
Remediation Management Project Manager  
Atlantic Richfield Company  
28100 Torch Parkway  
Warrenville, IL 60555

Consultant:

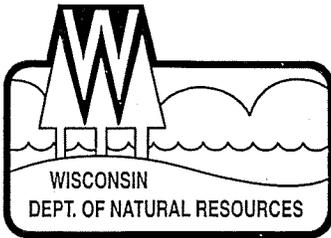
Rick Carney  
Adam McIlheran  
Delta Environmental Consultants, Inc.  
175 North Patrick Blvd.  
Brookfield, Wisconsin 53045  
Phone (262) 789-0254

WDNR:

Eric Amadi  
Wisconsin Department of Natural Resources  
2300 N. Martin Luther King Drive  
Milwaukee, WI 53212  
Phone (414) 263-8644







State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor  
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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

September 28, 2007

Atlantic Richfield Company  
c/o Rick Carney  
Delta Consultants  
175 North Patrick Boulevard, Suite 175  
Brookfield, WI 53045

Subject: Conditional Case Closure - Former Amoco Service Station #:19731  
2009 West College Avenue, Milwaukee, WI  
FID #: 241231320; BRRTS#: 03-41-443402

Dear Mr. Carney:

The Department of Natural Resources (Department) has completed the review of the subject case file for closure. The Department reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. Information submitted to the Department for closure request include: soil and groundwater documents for GIS registry; impermeable barrier maintenance plan; and notification letter to the property owner of the subject site address: 2009 West College Avenue, Milwaukee, regarding residual soil and groundwater contamination on the property. After careful review of the closure request, the Department has determined that the petroleum contamination on the site from the vicinity of the former underground storage tanks located on the property appear to have been investigated and remediated to the extent practicable under site conditions. Your case will be closed under s. NR 726.05, Wis. Adm. Code, if the following condition is satisfied:

**MONITORING WELL ABANDONMENT**

The monitoring wells at the site and/or those monitoring wells associated with the cleanup of this site must be properly abandoned in compliance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment must be submitted to the Department on Form 3300-5B found at [www.dnr.state.wi.us/org/water/dgw/gw/](http://www.dnr.state.wi.us/org/water/dgw/gw/) or provided by the Department.

When the above condition has been satisfied, please submit a letter to let me know that the applicable condition has been met, and your case will be closed.

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://dnr.wi.gov/org/aw/rr/gis/index.htm>. If your property is listed on the GIS Registry because of remaining contamination and you intend to construct or reconstruct a well, you will need prior Department approval in accordance with s. NR 812.09(4)(w), Wis. Adm. Code. To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line <http://www.dnr.state.wi.us/org/water/dwg/3300254.pdf> or at the web address listed above for the GIS Registry.

Atlantic Richfield Company  
c/o Rick Carney  
Delta Consultants  
Conditional Case Closure - Former Amoco Service Station #:19731  
Page 2

State Statute 101.143 requires that PECFA claimants seeking reimbursement of interest costs, submit a final reimbursement claim within 120 days after they receive a closure letter on their site. For claims not received by the PECFA Program within 120 days of the date of this letter, interest costs after 60 days of the date of this letter will not be eligible for PECFA reimbursement.

Please be aware that the 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 to the environment.

We appreciate 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  
Bureau for Remediation & Redevelopment

cc: Adam McIlheran - Delta Environmental Consultants, Inc. 175 N. Patrick Blvd; Suite 175  
Brookfield, WI 53045  
Yasmeen Kassam - RK Petroleum, LLC. 6001 W. Calumet Road, Milwaukee, WI 53223  
SER Case File #: 03-41-443402

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State Bar of Wisconsin Form 1-2003  
**WARRANTY DEED**



DOC. # 08970147

REGISTER'S OFFICE | SS  
Milwaukee County, WI

RECORDED 03/07/2005 08:00AM

JOHN LA FAVE  
REGISTER OF DEEDS

AMOUNT: 13.00

Document Number

Document Name

**THIS DEED**, made between Rana Bros., LLC, a Wisconsin Limited Liability Company,

("Grantor," whether one or more), and RK Petroleum, LLC, a Wisconsin Limited Liability Company,

("Grantee," whether one or more).

Grantor for a valuable consideration, conveys to Grantee the following described real estate, together with the rents, profits, fixtures and other appurtenant interests, in Milwaukee County, State of Wisconsin ("Property") (if more space is needed, please attach addendum):  
See Attached

Recording Area  
Name and Return Address  
**Attorney Jason D. Baltz**  
**4871 N. Sheffield Avenue**  
**Whitefish Bay, WI 53217**

TRANSFER  
\$ 2,097.<sup>00</sup> )  
FEE

716-9996-111-0  
Parcel Identification Number (PIN)  
This is not homestead property.  
(is) (is not)

Grantor warrants that the title to the Property is good, indefeasible, in fee simple and free and clear of encumbrances except: for all of the covenants, terms, conditions, options and restrictions set forth in the **Special Warranty Deed** dated September 14, 2004 and recorded in the Milwaukee County Register of Deeds Office as document no. 8396210 shall remain in place as if more fully set forth herein. The Grantee hereby acknowledges the existence of such covenants, terms, conditions, options and restrictions and agrees to be bound by them.

Dated 2-18-05

[Signature] (SEAL) \_\_\_\_\_ (SEAL)  
\* **Rana Bros., LLC** \*  
\_\_\_\_\_  
(SEAL) \_\_\_\_\_ (SEAL)  
\* \_\_\_\_\_ \*

**AUTHENTICATION**  
Signature(s) Rana Bros. LLC  
authenticated on 02/18/05  
\* [Signature]  
TITLE: MEMBER STATE BAR OF WISCONSIN  
(If not, \_\_\_\_\_  
authorized by Wis. Stat. § 706.06 )

**ACKNOWLEDGMENT**  
STATE OF \_\_\_\_\_ )  
\_\_\_\_\_ ) ss.  
\_\_\_\_\_ COUNTY )  
Personally came before me on \_\_\_\_\_,  
the above-named \_\_\_\_\_  
to me known to be the person(s) who executed the foregoing  
instrument and acknowledged the same.  
\_\_\_\_\_  
\* \_\_\_\_\_  
Notary Public, State of \_\_\_\_\_  
My commission (is permanent) (expires: \_\_\_\_\_)

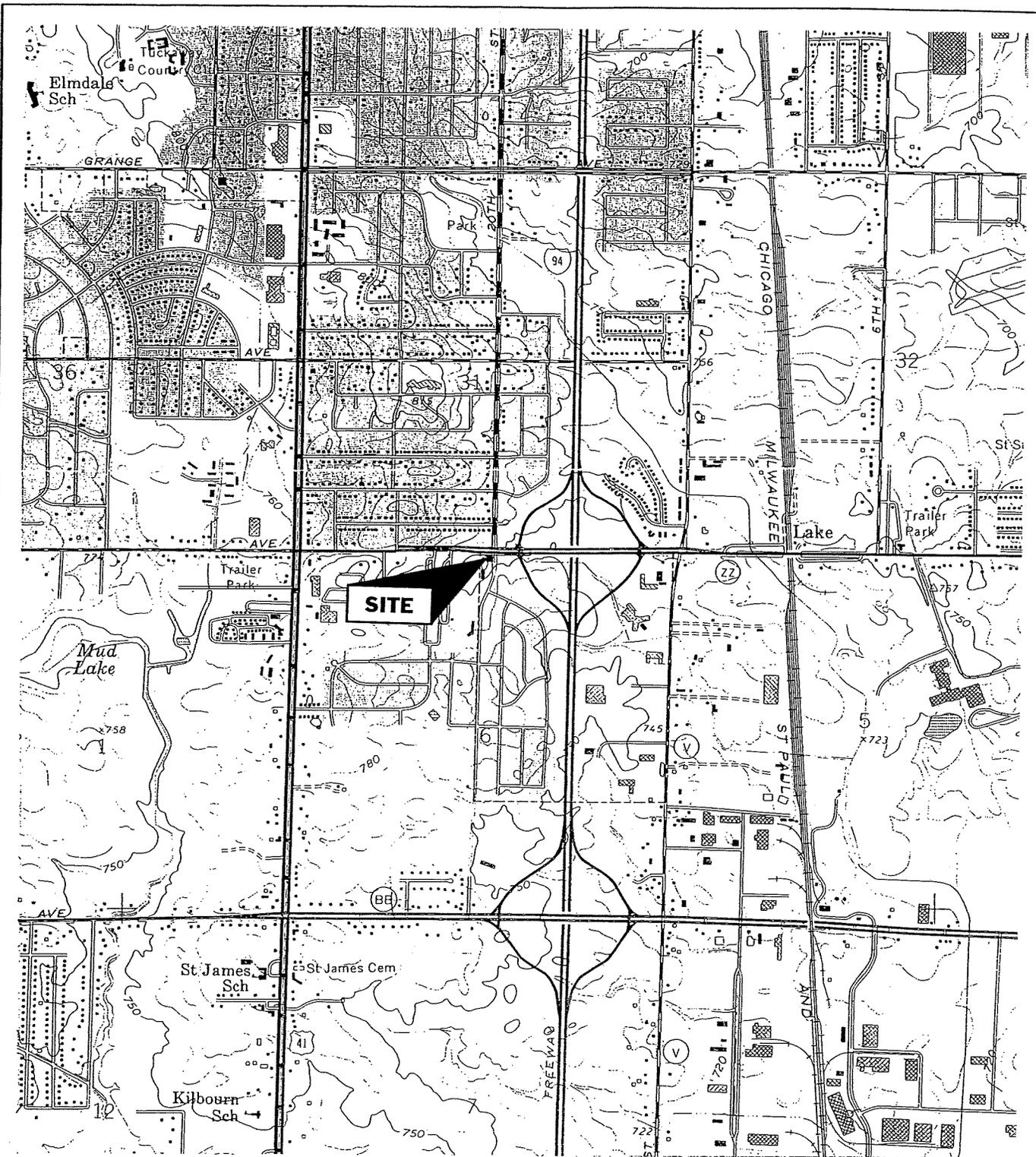
THIS INSTRUMENT DRAFTED BY:  
Attorney Jason D. Baltz  
3830 1021317

(Signatures may be authenticated or acknowledged. Both are not necessary.)  
NOTE: THIS IS A STANDARD FORM. ANY MODIFICATION TO THIS FORM SHOULD BE CLEARLY IDENTIFIED.  
WARRANTY DEED ©2003 STATE BAR OF WISCONSIN FORM NO. 1-2003  
\*Type name below signatures. INFO-PRO™ Legal Forms • (800)655-2021 • info@proforms.com

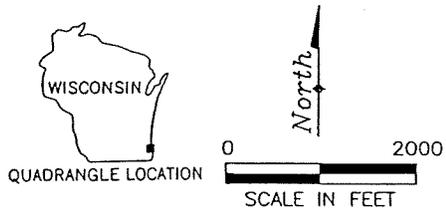
**WARRANTY DEED  
REAL ESTATE DESCRIPTION**

PIN 716-9996-111-0

All that part of the Northeast 1/4 of Section 6, in Town 5 North, Range 22 East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin, bounded and described as follows: Commencing at the Northwest corner of said Northeast 1/4 Section; running thence East and along the North line of said 1/4 Section, 130 feet to a point; thence South and parallel to the West line of said 1/4 Section, 195 feet to a point; thence West and parallel to the North line of said 1/4 Section, 130 feet to a point; thence North and along the West line of said 1/4 Section, 195 feet to the point of commencement. EXCEPT the North 75.0 feet.



GREENDALE QUADRANGLE  
 WISCONSIN - MILWAUKEE CO.  
 7.5 MINUTE SERIES (TOPOGRAPHIC)

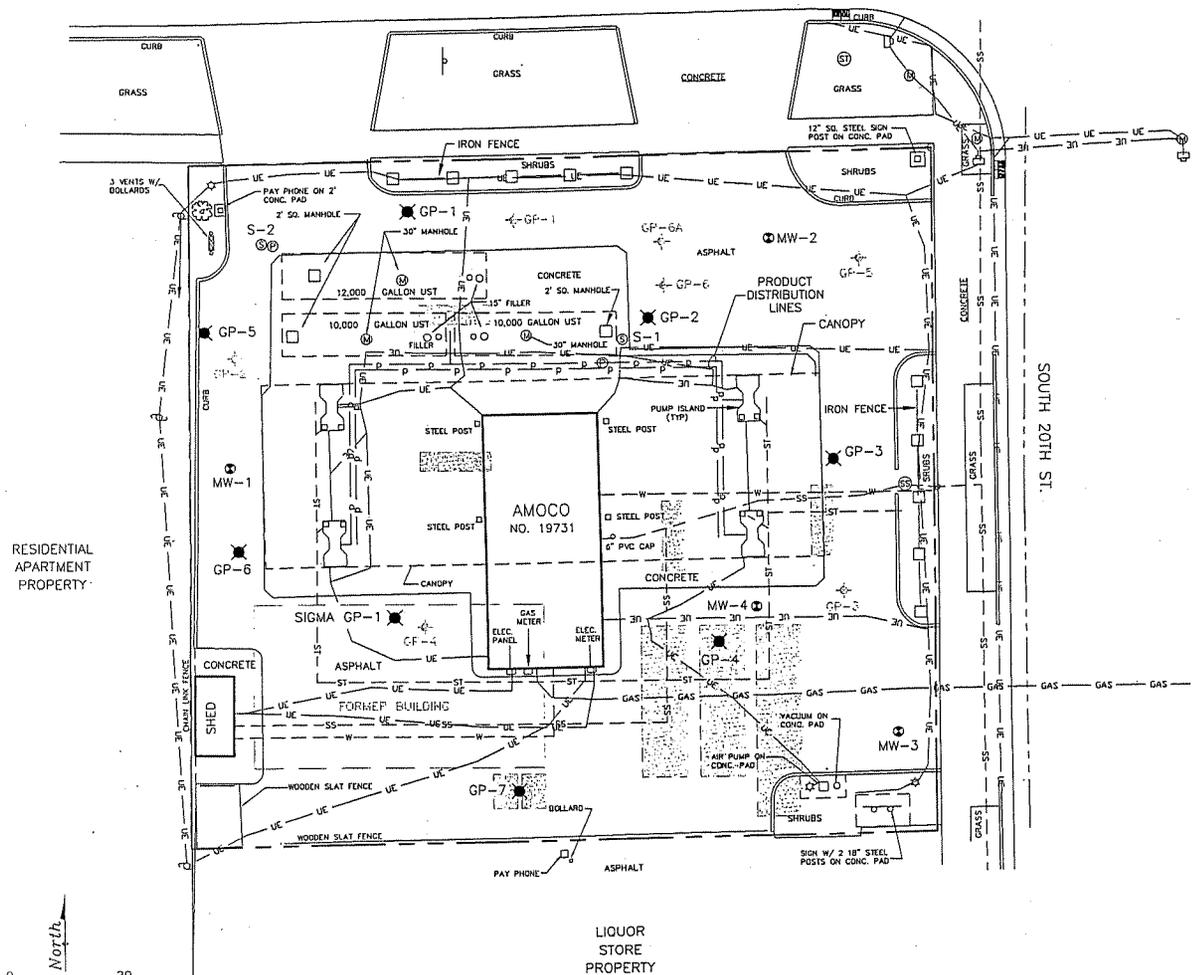


**FIGURE 1**  
 SITE LOCATION MAP  
 SERVICE STATION NO. 19731  
 2009 WEST COLLEGE AVENUE  
 MILWAUKEE, WISCONSIN

PROJECT NO. AMGO-28D	PREPARED BY AM	 <b>Delta</b> Environmental Consultants, Inc.
DATE 5/6/03	REVIEWED BY	

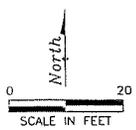
WEST COLLEGE AVE.

- LEGEND:
- ⊙ MONITORING WELL
  - ⊛ GEOPROBE SOIL BORING (NEW)
  - ⊙ GEOPROBE SOIL BORING (OLD)
  - PROPERTY BOUNDARY
  - p— PRODUCT DISTRIBUTION LINES
  - w— WATER LINE
  - g— GAS LINE
  - st— STORM SEWER LINE
  - ss— SANITARY SEWER LINE
  - ue— UNDERGROUND ELECTRIC LINE
  - ⊙ SUMP
  - ⊙ UTILITY POLE
  - ⊙ WATER VALVE
  - ⊙ TRAFFIC SIGNAL
  - ⊙ SIGN
  - ⊙ LIGHT POLE
  - ⊙ STEEL LID
  - ⊙ SANITARY MANHOLE
  - ⊙ STORM MANHOLE
  - ⊙ CURB INLET
  - ⊙ MANHOLE
  - ⊙ FORMER UST AND PUMP ISLAND LOCATION (REMOVED 1986)



RESIDENTIAL APARTMENT PROPERTY

LIQUOR STORE PROPERTY



**FIGURE 2**  
**SITE MAP**  
**AMOCO SERVICE STATION NO. 19731**  
**2009 WEST COLLEGE AVENUE**  
**MILWAUKEE, WISCONSIN**

PROJECT NO. G0280-RP52	PREPARED BY AM	DRAWN BY DD
DATE 12/1/05	REVIEWED BY	FILE NAME 19731 Site

**Table 4**  
**Groundwater Analytical Results**  
Former Amoco Service Station No. 19731  
2009 West College Avenue  
Milwaukee, Wisconsin  
Delta Project No. G028D

MW-1																		
Date Sampled	Analytical Parameters															Biodegradation Parameters		
	Benzene µg/L	Toluene µg/L	Ethyl- benzene µg/L	Total Xylenes µg/L	Total TMBs µg/L	MTBE µg/L	n-Butyl- benzene µg/L	sec-Butyl- benzene µg/L	Diisopropyl Ether µg/L	Isopropyl- benzene µg/L	Naph- thalene µg/L	n-Propyl- benzene µg/L	GRO µg/L	DRO mg/l	Dis. Lead µg/L	DO ppm	REDOX milli Volts	Soluble Iron (Fe <sup>2+</sup> ) ppm
NR 140 ES-->	5.0	1,000	700	10,000	480	60	--	--	--	--	40	--	--	--	15	--	--	--
8/25/2003	<1.0	<1.0	<1.0	<3.0	<1.0	66	NA	NA	NA	NA	NA	NA	<100	NA	NA	0.6	042	NM
8/25/2003 D	<1.0	<1.0	<1.0	<3.0	<1.0	61	NA	NA	NA	NA	NA	NA	<100	NA	NA			
11/17/2003	<1.0	<1.0	<1.0	<3.0	<1.0	78	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	NA	NA	2.3	-076	NM
2/9/2004	<1.0	<1.0	<1.0	<3.0	<1.0	160	NA	NA	NA	NA	<1.0	NA	140	NA	NA	1.9	-096	NM
5/4/2004	<2.0	<2.0	<2.0	<6.0	<2.0	42	NA	NA	NA	NA	<2.0	NA	<100	NA	NA	0.9	-117	10.7
8/25/2004	<1.0	<1.0	<1.0	<3.0	<1.0	8.7	NA	NA	NA	NA	<1.0	NA	<100	NA	NA	1.3	-100	NM
11/5/2004	<1.0	<1.0	<1.0	<3.0	<1.0	13.5	NA	NA	NA	NA	<1.0	NA	<100	NA	NA	0.8	-118	NM
2/15/2005	<1.0	<1.0	<1.0	<3.0	<1.0	15.6	NA	NA	NA	NA	<1.0	NA	<100	NA	NA	1.6	-096	NM
5/17/2005	Laboratory sample handling error. Not analyzed.															1.9	-092	NM
8/10/2005	<1.0	<1.0	<1.0	<3.0	<1.0	6.8	NA	NA	NA	NA	<1.0	NA	<100	NA	NA	2.0	-086	NM

MW-2																		
Date Sampled	Analytical Parameters															Biodegradation Parameters		
	Benzene µg/L	Toluene µg/L	Ethyl- benzene µg/L	Total Xylenes µg/L	Total TMBs µg/L	MTBE µg/L	n-Butyl- benzene µg/L	sec-Butyl- benzene µg/L	Diisopropyl Ether µg/L	Isopropyl- benzene µg/L	Naph- thalene µg/L	n-Propyl- benzene µg/L	GRO µg/L	DRO mg/l	Dis. Lead µg/L	DO ppm	REDOX milli Volts	Soluble Iron (Fe <sup>2+</sup> ) ppm
NR 140 ES-->	5.0	1,000	700	10,000	480	60	--	--	--	--	40	--	--	--	15	--	--	--
8/25/2003	<1.0	<1.0	<1.0	<3.0	<1.0	13	NA	NA	NA	NA	NA	NA	<100	NA	NA	1.3	-007	NM
11/17/2003	<1.0	<1.0	<1.0	<3.0	<1.0	17	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	NA	NA	4.2	-033	NM
2/9/2004	<1.0	<1.0	<1.0	<3.0	<1.0	17	NA	NA	NA	NA	<1.0	NA	<100	NA	NA	2.8	-059	NM
5/4/2004	<1.0	<1.0	<1.0	<3.0	<1.0	15	NA	NA	NA	NA	<1.0	NA	<100	NA	NA	1.5	-089	14.7
8/25/2004	<1.0	<1.0	<1.0	<3.0	<1.0	14	NA	NA	NA	NA	<1.0	NA	<100	NA	NA	1.1	-087	NM
11/5/2004	<1.0	<1.0	<1.0	<3.0	<1.0	17.2	NA	NA	NA	NA	<1.0	NA	<100	NA	NA	0.8	-077	NM
2/15/2005	<1.0	<1.0	<1.0	<3.0	<1.0	20.5	NA	NA	NA	NA	<1.0	NA	<100	NA	NA	2.7	-082	NM
5/17/2005	<1.0	<1.0	<1.0	<3.0	<1.0	16.1	NA	NA	NA	NA	<1.0	NA	<100	NA	NA	2.1	-067	NM
8/10/2005	<1.0	<1.0	<1.0	<3.0	<1.0	18.1	NA	NA	NA	NA	<1.0	NA	<100	NA	NA	1.8	-070	NM

**Table 4**  
**Groundwater Analytical Results**  
Former Amoco Service Station No. 19731  
2009 West College Avenue  
Milwaukee, Wisconsin  
Delta Project No. G028D

MW-3																		
Date Sampled	Analytical Parameters															Biodegradation Parameters		
	Benzene µg/L	Toluene µg/L	Ethyl- benzene µg/L	Total Xylenes µg/L	Total TMBs µg/L	MTBE µg/L	n-Butyl- benzene µg/L	sec-Butyl- benzene µg/L	Diisopropyl Ether µg/L	Isopropyl- benzene µg/L	Naph- thalene µg/L	n-Propyl- benzene µg/L	GRO µg/L	DRO mg/l	Dis. Lead µg/L	DO ppm	REDOX milli Volts	Soluble Iron (Fe <sup>2+</sup> ) ppm
NR 140 ES-->	5.0	1,000	700	10,000	480	60	--	--	--	--	40	--	--	--	15	--	--	--
8/25/2003	1.3	<1.0	<1.0	<3.0	<1.0	<4.0	NA	NA	NA	NA	NA	NA	<100	NA	NA	0.5	025	NM
11/17/2003	<1.0	<1.0	<1.0	<3.0	<1.0	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	NA	NA	1.5	-071	NM
2/9/2004	<1.0	<1.0	<1.0	<3.0	<1.0	3.1	NA	NA	NA	NA	<1.0	NA	<100	NA	NA	1.7	-110	NM
5/4/2004	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<100	NA	NA	0.8	-185	NM
8/25/2004	<1.0	<1.0	<1.0	<3.0	<1.0	1.7	NA	NA	NA	NA	<1.0	NA	<100	NA	NA	1.6	-099	NM
11/5/2004	<5.0	<5.0	<5.0	<15.0	<5.0	<5.0	NA	NA	NA	NA	<5.0	NA	<100	NA	NA	0.6	-075	NM
2/15/2005	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<100	NA	NA	2.2	-054	NM
5/17/2005	Laboratory sample handling error. Not analyzed.															2.0	-074	NM
8/10/2005	<2.0	<2.0	<2.0	<6.0	<2.0	<2.0	NA	NA	NA	NA	<2.0	NA	<100	NA	NA	2.3	-062	NM

MW-4																		
Date Sampled	Analytical Parameters															Biodegradation Parameters		
	Benzene µg/L	Toluene µg/L	Ethyl- benzene µg/L	Total Xylenes µg/L	Total TMBs µg/L	MTBE µg/L	n-Butyl- benzene µg/L	sec-Butyl- benzene µg/L	Diisopropyl Ether µg/L	Isopropyl- benzene µg/L	Naph- thalene µg/L	n-Propyl- benzene µg/L	GRO µg/L	DRO mg/l	Dis. Lead µg/L	DO ppm	REDOX milli Volts	Soluble Iron (Fe <sup>2+</sup> ) ppm
NR 140 ES-->	5.0	1,000	700	10,000	480	60	--	--	--	--	40	--	--	--	15	--	--	--
8/25/2003	350	<10	88	130	110	1,500	NA	NA	NA	NA	NA	NA	2,600	NA	NA	1.1	001	NM
11/17/2003	570	<50	180	230	423	780	<50	<50	<50	<50	74	<50	3,400	NA	NA	1.6	-063	NM
11/17/2003 D	640	7.5 J	210	290	570	580	<10	<10	<10	10	100	17	5,000	NA	NA			
2/9/2004	860	6.4 J	250	300	920	480	NA	NA	NA	NA	90	NA	4,800	NA	NA	1.5	082	NM
2/9/2004 D	850	6.5 J	240	290	930	470	NA	NA	NA	NA	110	NA	5,400	NA	NA			
5/4/2004	670	<10	330	360	1,090	480	NA	NA	NA	NA	170	NA	4,700	NA	NA	1.2	-103	7.76
5/4/2004 D	620	<10	290	330	980	480	NA	NA	NA	NA	150	NA	4,400	NA	NA			
8/25/2004	800	8.6 J	380	480	1,210	510	NA	NA	NA	NA	180	NA	5,400	NA	NA	1.2	-084	NM
8/25/2004 D	810	6.8 J	350	390	1,060	500	NA	NA	NA	NA	160	NA	5,100	NA	NA			
11/5/2004	703	6.1	293	381	718	618	NA	NA	NA	NA	124	NA	3,760 J	NA	NA	0.8	-089	NM
11/5/2004 D	681	6.1	278	364	695	610	NA	NA	NA	NA	121	NA	3,780 J	NA	NA			
2/15/2005	760	6.8 J	295	431	778	488	NA	NA	NA	NA	133	NA	5,120	NA	NA	0.5	-095	NM
2/15/2005 D	754	6.8 J	287	416	765	507	NA	NA	NA	NA	134	NA	1,030	NA	NA			
5/17/2005	367	<5.0	135	138	285.6	672	NA	NA	NA	NA	60.1	NA	2,140	NA	NA	1.9	-087	NM
5/17/2005 D	371	<5.0	135	139	286.1	691	NA	NA	NA	NA	64.3	NA	1,980	NA	NA			
8/10/2005	527	<10.0	191	75.5	238.2	849	NA	NA	NA	NA	60.7	NA	2,750	NA	NA	1.5	-081	NM
8/10/2005 D	535	<4.0	198	108	249.9	757	NA	NA	NA	NA	76.3	NA	2,650	NA	NA			

**Table 4**  
**Groundwater Analytical Results**  
Former Amoco Service Station No. 19731  
2009 West College Avenue  
Milwaukee, Wisconsin  
Delta Project No. G028D

**Notes:**

< ..... = Not detected at or above the laboratory method detection limit  
mg/L ..... = milligrams per liter (equivalent of parts per million)  
µg/L ..... = micrograms per liter (equivalent of parts per billion)  
D ..... = Duplicate sample  
Dis, ..... = Dissolved  
DO ..... = Dissolved Oxygen  
DRO ..... = Diesel Range Organics  
GRO ..... = Gasoline Range Organics  
J ..... = Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit  
MTBE ..... = Methyl Tertiary Butyl Ether  
NA ..... = Not Analyzed for indicated parameter  
NM ..... = Not Measured  
ppm ..... = parts per million  
REDOX..... = Reduction/Oxidation potential  
TMBs ..... = Trimethylbenzenes  
NR 140 ES ..... = Wisconsin Administrative Code Chapter NR 140 Enforcement Standard  
NR 140 PAL..... = Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit  
**"BOLD TYPE"**..... = The indicated concentration exceeds the NR 140 ES  
Note: Only historically detected volatile organic compounds (VOCs) are listed in the table above.

**Table 1**  
**Soil Sample Analytical Results - VOCs, Metals, PCBs**  
Former Amoco Service Station No. 19731  
2009 West College Avenue  
Milwaukee, Wisconsin  
Delta Project No. G028D

Boring No.	Sample Date	Sample Depth Feet	PID ppm	ANALYTICAL PARAMETERS														
				DRO mg/kg	GRO mg/kg	Benzene mg/kg	Toluene mg/kg	Ethyl- benzene mg/kg	Xylenes mg/kg	1,2,4-TMB mg/kg	1,3,5-TMB mg/kg	MTBE mg/kg	Methylene Chloride mg/kg	Naphthalene mg/kg	Cadmium mg/kg	Total Lead mg/kg	Total PCBs <sup>(2)</sup> mg/kg	
				NR 720 RCL -->	100	100	0.0055	1.5	2.9	4.1	--	--	--	--	--	8	50	--
				NR 746 SSL -->	--	--	8.5	38	4.6	42	83	11	--	--	2.7	--	--	--
				NR 746 Direct Contact Std -->	--	--	1.1	--	--	--	--	--	--	--	--	--	--	--
				EPA Calculated Site-Specific RCL -->					400	280	50	29			68			
				Non-Industrial Site-Specific RCL -->													500	
GP-1	09/05/02	5 - 6	0		24	<5.5	<0.027	<0.027	<0.027	<0.082	0.033	<0.027	<0.027	NA	NA	NA	7.1	NA
GP-2	09/05/02	4 - 5	0		30	<5.7	<0.029	0.053	0.084	0.184	0.061	<0.029	<0.029	NA	NA	NA	41	NA
GP-3	09/05/02	7 - 7.5	0.9		<6.1	9.8	<0.031	<0.031	<0.031	<0.092	0.147	0.035	<0.031	NA	NA	NA	15	NA
GP-3	09/05/02	10 - 11	388		99	<b>569</b>	<b>3.23</b>	<0.474	1.02	2.09	<u>96.8</u>	<u>19.0</u>	<0.474	NA	NA	NA	28	NA
GP-4	09/05/02	6 - 7	0		19	49	0.297	0.058	0.392	0.273	1.78	0.357	<0.030	NA	NA	NA	56	NA
GP-4	09/05/02	8 - 9	483		<b>938</b>	<b>901</b>	<b>2.11</b>	1.13	<b>9.59</b>	<b>33.9</b>	<u>66.7</u>	<u>18.7</u>	<0.292	NA	NA	NA	<b>1,680</b>	NA
GP-5	09/05/02	3 - 4	0		<5.8	<5.8	<0.029	<0.029	<0.029	<0.087	<0.029	<0.029	<0.029	NA	NA	NA	8.8	NA
GP-6	09/05/02	3 - 4	0		<5.6	<5.6	<0.028	<0.028	<0.028	<0.084	<0.028	<0.028	0.10	NA	NA	NA	11	NA
GP-6	09/05/02	6 - 8	10		26	9.9	0.034	0.171	0.11	0.148	0.216	<0.028	0.099	NA	NA	NA	19	NA
GP-7	09/06/02	3 - 4	0		58	NA	<b>0.043</b>	<0.028	<0.028	<0.040	<0.028	<0.028	<0.028	0.077 <sup>(1)</sup>	0.071	<1.1	14	<0.6
Sigma GP-1	09/11/02	2 - 4	0		NA	NA	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.025	NA	NA	NA
MW-1	07/14/03	5 - 7	8		21	<6.1	<0.062	<0.062	<0.062	<0.19	0.036 J	<0.062	<0.062	<0.31	5.7	NA	NA	NA
MW-2	07/14/03	7 - 9	0		<10	<5.8	<0.059	<0.059	<0.059	<0.18	<0.059	<0.059	<0.059	<0.29	0.22 J	NA	NA	NA
MW-3	07/14/03	7 - 9	0		120	<6.1	<0.062	<0.062	<0.062	<0.19	0.043 J	<0.062	<0.062	<0.31	12	NA	NA	NA
MW-4	07/14/03	2 - 2.5	4		200	<6.0	<0.061	<0.061	<0.061	<0.18	<0.061	<0.061	<0.061	<0.30	0.18 J	NA	NA	NA
	07/14/03	5 - 7	381		<b>1,400</b>	<b>1,800</b>	<2.3	<2.3	<b>7.0</b>	<b>51</b>	<u>270</u>	<u>87</u>	<2.3	<11	11	NA	NA	NA

**NOTES:**

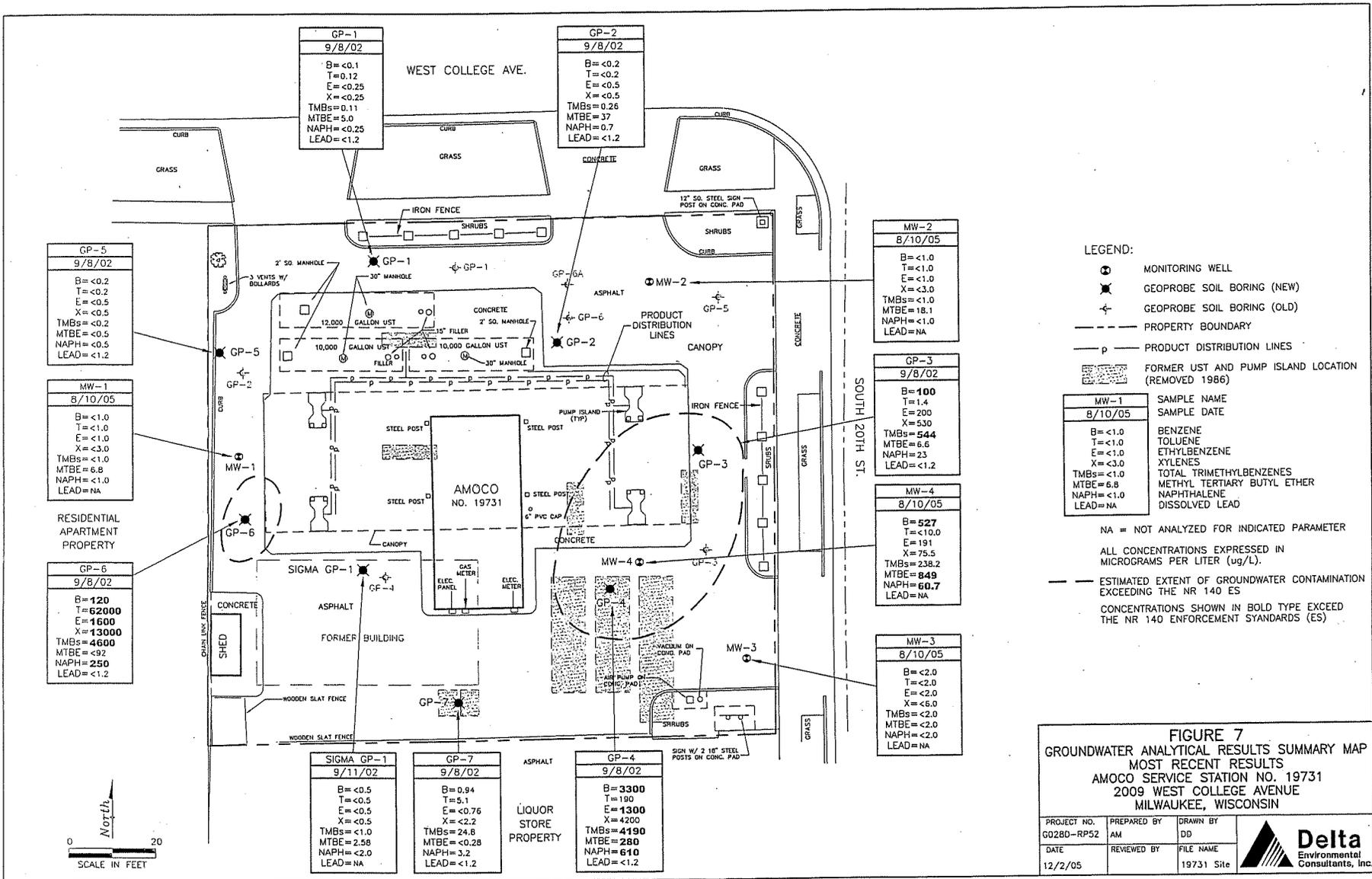
- <sup>(1)</sup> ..... = Methylene chloride was flagged as laboratory contamination
  - <sup>(2)</sup> ..... = No PCBs were detected above the stated detection limit
  - < ..... = Not detected at or above the indicated method detection limit
  - ppm ..... = parts per million
  - mg/kg ..... = milligrams per kilogram (equivalent to parts per million)
  - DRO ..... = Diesel Range Organics
  - GRO ..... = Gasoline Range Organics
  - J ..... = Estimated concentration between the method detection limit and reporting limit
  - MTBE ..... = Methyl Tertiary Butyl Ether
  - NA ..... = Not analyzed for the indicated parameter
  - PCBs ..... = Polychlorinated Biphenyls
  - PID ..... = Vapor level measured using a photoionization detector
  - TMB ..... = Trimethylbenzene
  - NR 720 RCL ..... = Wisconsin Administrative Code Chapter NR 720 Non-Industrial Generic Residual Contaminant Level
  - NR 746 SSL ..... = Wisconsin Administrative Code Chapter NR 746 Table 1 Generic Soil Screening Level
  - NR 746 Direct Contact Std ..... = Wisconsin Administrative Code Chapter NR 746 Table 2 Direct Contact Standard (applied 0 to 4 feet below ground surface)
  - EPA Calculated Site-Specific RCL ..... = calculated value from the USEPA Site-Specific RCL modeling website based on WDNR guidance document Pub-RR-682
  - Non-Industrial Site-Specific RCL ..... = Wisconsin Administrative Code Chapter NR 720.19 (5) (a)
  - "bold type" ..... = The indicated concentration exceeds the NR 720 RCL
  - "italics" ..... = The indicated concentration exceeds the NR 746 Generic SSL
  - "underlined" ..... = The indicated concentration exceeds the EPA Calculated Site-Specific SSL
- Note: Only detected VOCs are listed in the table above.**

**Table 2**  
**Soil Sample Analytical Results - PAHs**  
Former Amoco Service Station No. 19731  
2009 West College Avenue  
Milwaukee, Wisconsin  
Delta Project No. AMG0-28D

Sample ID	Date	Sample Depth Feet	PID IUs	PAH Analytical Parameters																	
				Acenaphthene mg/kg	Acenaphthylene mg/kg	Anthracene mg/kg	Benzo (a) anthracene mg/kg	Benzo (b) fluoranthene mg/kg	Benzo (k) fluoranthene mg/kg	Benzo (a) pyrene mg/kg	Benzo (ghi) perylene mg/kg	Chrysene mg/kg	Dibenzo (a,h) anthracene mg/kg	Fluoranthene mg/kg	Fluorene mg/kg	Indeno (1,2,3-cd) pyrene mg/kg	1-Methyl-naphthalene mg/kg	2-Methyl-naphthalene mg/kg	Naphthalene mg/kg	Phenanthrene mg/kg	Pyrene mg/kg
Suggested generic RCL (direct contact)* -->				900	18	5,000	0.088	0.088	0.88	0.0088	1.8	8.8	0.0088	600	600	0.088	1,100	600	20	18	500
Suggested generic RCL (groundwater pathway)* -->				38	0.7	3,000	17	360	870	48	6800	37	38	500	100	680	23	20	0.4	1.8	8700
Direct Contact Site Specific RCL for PAHs -->				<u>0.9</u>	<u>0.9</u>	<u>0.9</u>	<u>0.9</u>	<u>0.9</u>	<u>0.9</u>	<u>0.9</u>	<u>0.9</u>	<u>0.9</u>	<u>0.9</u>	<u>0.9</u>	<u>0.9</u>	<u>0.9</u>	<u>0.9</u>	<u>0.9</u>	<u>0.9</u>	<u>0.9</u>	<u>0.9</u>
GP-7	09/06/02	3 - 4	0	<0.057	<0.096	0.051	<b>0.093</b>	0.023	0.012	<0.045	<0.045	0.036	<0.0085	0.283	0.136	0.025	<0.034	<0.028	<0.034	0.147	0.136

**NOTES:**

- < ..... = Not detected at or above the indicated laboratory method detection limit
- ppm..... = parts per million
- mg/kg ..... = milligrams per kilogram (equivalent to parts per million)
- PID ..... = Represents volatile organic vapor level as measured with a photoionization detector
- \* ..... = WDNR (04/97) Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs) Interim Guidance, Table 1  
Direct Contact Pathway--Non-industrial, Suggested generic RCLs for PAH compounds in soil (mg/kg)
- "bold type" ..... = Exceeds the PAH Interim Guidance non-industrial direct contact value
- Site Specific RCL  
for PAHs = ..... = Benzo (a) pyrene equivalent method, WDNR's guidance document Soil Cleanup Levels for PAHs Interim Guidance (publication RR-519-97)



**Table 3**  
**Groundwater Elevation Summary**  
Former Amoco Service Station No. 19731  
2009 West College Avenue  
Milwaukee, Wisconsin  
Delta Project No. G028D

<b>MW-1</b>					
<b>TOC Elevation:</b>		<b>753.69</b>	<b>Well Depth:</b>		<b>12.90</b>
<b>Ground Elevation:</b>		<b>753.94</b>	<b>Screen Length:</b>		<b>10.00</b>
<b>Date</b>	<b>Depth to Groundwater BTOC</b>	<b>Groundwater Elevation</b>	<b>Elevation Difference</b>	<b>Physical observations</b>	<b>Recorded By</b>
08/25/03	6.73	746.96	NA	turbid, slow recharge	Delta
11/17/03	6.70	746.99	0.03	silty	Delta
02/09/04	7.23	746.46	-0.53	silty, dry @ 3.0 gal	Delta
05/04/04	6.01	747.68	1.22	silty	Delta
08/25/04	5.40	748.29	0.61	clear	Delta
11/05/04	5.82	747.87	-0.42	cloudy, brown, odor	Delta
02/15/05	5.30	748.39	0.52	silty	Delta
05/17/05	5.54	748.15	-0.24	silty, dry @ 4.0 gal	Delta
08/10/05	5.80	747.89	-0.26	cloudy, dry @ 4.0 gal	Delta

<b>MW-2</b>					
<b>TOC Elevation:</b>		<b>752.57</b>	<b>Well Depth:</b>		<b>13.73</b>
<b>Ground Elevation:</b>		<b>752.89</b>	<b>Screen Length:</b>		<b>10.00</b>
<b>Date</b>	<b>Depth to Groundwater BTOC</b>	<b>Groundwater Elevation</b>	<b>Elevation Difference</b>	<b>Physical observations</b>	<b>Recorded By</b>
08/25/03	5.16	747.41	NA	mod. turbid	Delta
11/17/03	4.93	747.64	0.23	silty	Delta
02/09/04	5.61	746.96	-0.68	cloudy, dry @ 3.0 gal	Delta
05/04/04	4.22	748.35	1.39	silty	Delta
08/25/04	4.62	747.95	-0.40	clear	Delta
11/05/04	4.89	747.68	-0.27	cloudy, brown	Delta
02/15/05	4.28	748.29	0.61	silty	Delta
05/17/05	4.38	748.19	-0.10	silty, dry @ 5.0 gal	Delta
08/10/05	4.89	747.68	-0.51	cloudy, dry @ 4.5 gal	Delta

<b>MW-3</b>					
<b>TOC Elevation:</b>		<b>752.82</b>	<b>Well Depth:</b>		<b>13.10</b>
<b>Ground Elevation:</b>		<b>752.82</b>	<b>Screen Length:</b>		<b>10.00</b>
<b>Date</b>	<b>Depth to Groundwater BTOC</b>	<b>Groundwater Elevation</b>	<b>Elevation Difference</b>	<b>Physical observations</b>	<b>Recorded By</b>
08/25/03	4.40	748.42	NA	mod. turbid	Delta
11/17/03	4.48	748.34	-0.08	silty	Delta
02/09/04	5.92	746.90	-1.44	silty, dry @ 3.0 gal	Delta
05/04/04	3.77	749.05	2.15	silty	Delta
08/25/04	4.12	748.70	-0.35	silty	Delta
11/05/04	4.19	748.63	-0.07	cloudy, brown	Delta
02/15/05	3.87	748.95	0.32	silty	Delta
05/17/05	4.13	748.69	-0.26	silty	Delta
08/10/05	4.59	748.23	-0.46	cloudy, dry @ 4.0 gal	Delta

**Table 3**  
**Groundwater Elevation Summary**  
Former Amoco Service Station No. 19731  
2009 West College Avenue  
Milwaukee, Wisconsin  
Delta Project No. G028D

MW-4					
TOC Elevation: 753.86		Well Depth: 13.90			
Ground Elevation: 753.86		Screen Length: 10.00			
Date	Depth to Groundwater BTOC	Groundwater Elevation	Elevation Difference	Physical observations	Recorded By
08/25/03	6.05	747.81	NA	slightly turbid	Delta
11/17/03	6.12	747.74	-0.07	silty, odor	Delta
02/09/04	6.91	746.95	-0.79	silty, odor, dry @ 3.0 gal	Delta
05/04/04	5.31	748.55	1.60	silty, odor	Delta
08/25/04	5.77	748.09	-0.46	cloudy, odor	Delta
11/05/04	6.03	747.83	-0.26	cloudy, gray, odor	Delta
02/15/05	5.51	748.35	0.52	silty	Delta
05/17/05	5.61	748.25	-0.10	silty, odor	Delta
08/10/05	5.98	747.88	-0.37	cloudy, odor, dry @ 4.0 gal	Delta

Date	Approximate Groundwater Flow Direction	Horizontal Gradient
02/09/04	west	0.004
05/04/04	west-northwest	0.009
08/25/04	north	0.003
11/05/04	northwest	0.012
02/15/05	northwest	0.008
05/17/05	northwest	0.004
08/10/05	north	0.003

**NOTES:**

All measurements in feet unless otherwise noted  
TOC = Top of Casing  
BTOC = Below Top of Casing  
TOC elevation and ground elevations are measured from a referenced benchmark  
NA = Not Available

WEST COLLEGE AVE.

LEGEND:

- ⊙ MONITORING WELL
- ⊛ GEOPROBE SOIL BORING (NEW)
- ⊙ GEOPROBE SOIL BORING (OLD)
- PROPERTY BOUNDARY
- W--- WATER LINE
- G--- GAS LINE
- ST--- STORM SEWER LINE
- SS--- SANITARY SEWER LINE
- UE--- UNDERGROUND ELECTRIC LINE
- ⊕ SUMP
- ⊙ UTILITY POLE
- ⊙ WATER VALVE
- ⊕ TRAFFIC SIGNAL
- ⊕ SIGN
- ⊕ LIGHT POLE
- ⊕ STEEL LID
- ⊕ SANITARY MANHOLE
- ⊕ STORM MANHOLE
- ⊕ CURB INLET
- ⊕ MANHOLE
- ⊕ FORMER UST AND PUMP ISLAND LOCATION (REMOVED 1986)
- (747.88) GROUNDWATER ELEVATION (FEET)
- 748.00 GROUNDWATER CONTOUR LINE  
CONTOUR INTERVAL = 0.10 FT.

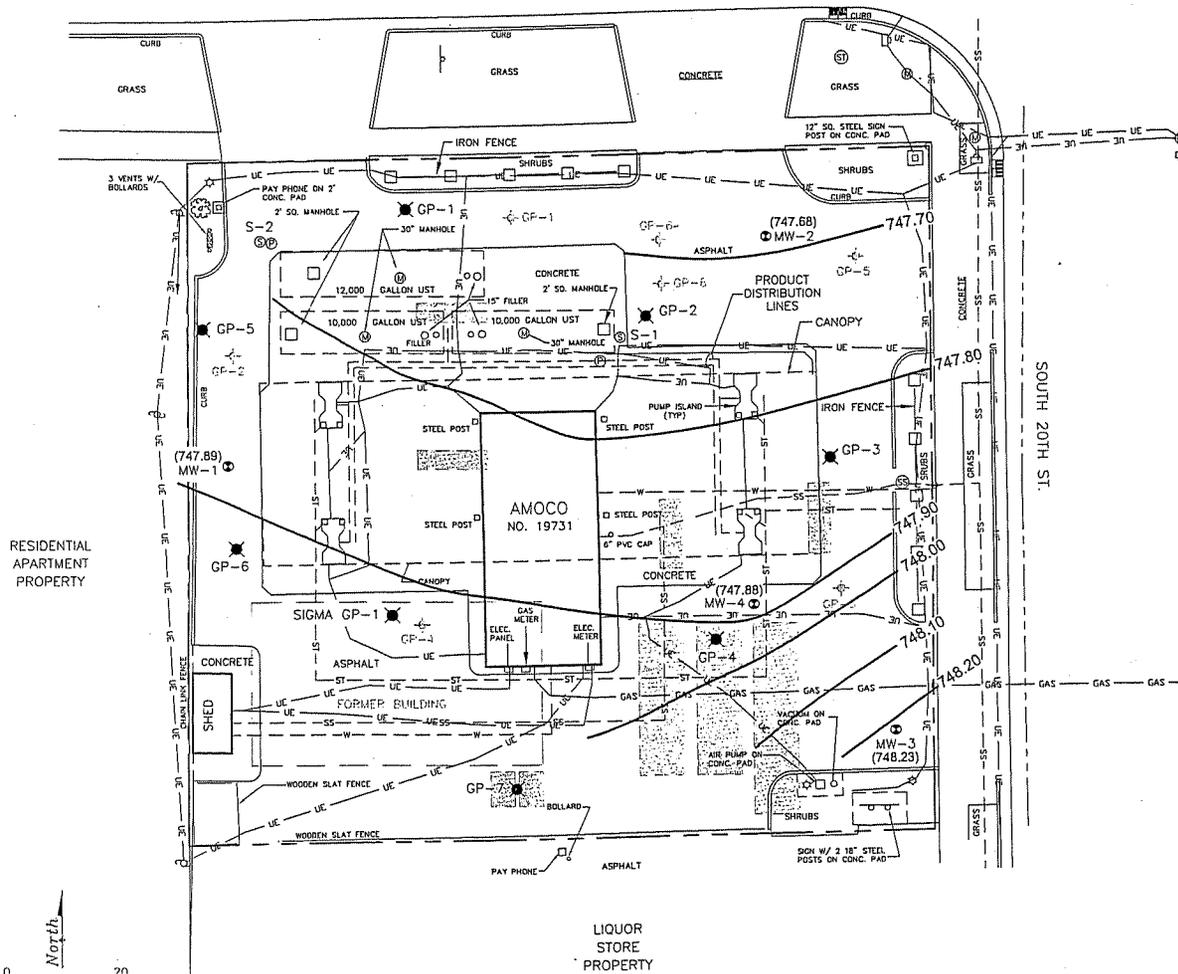
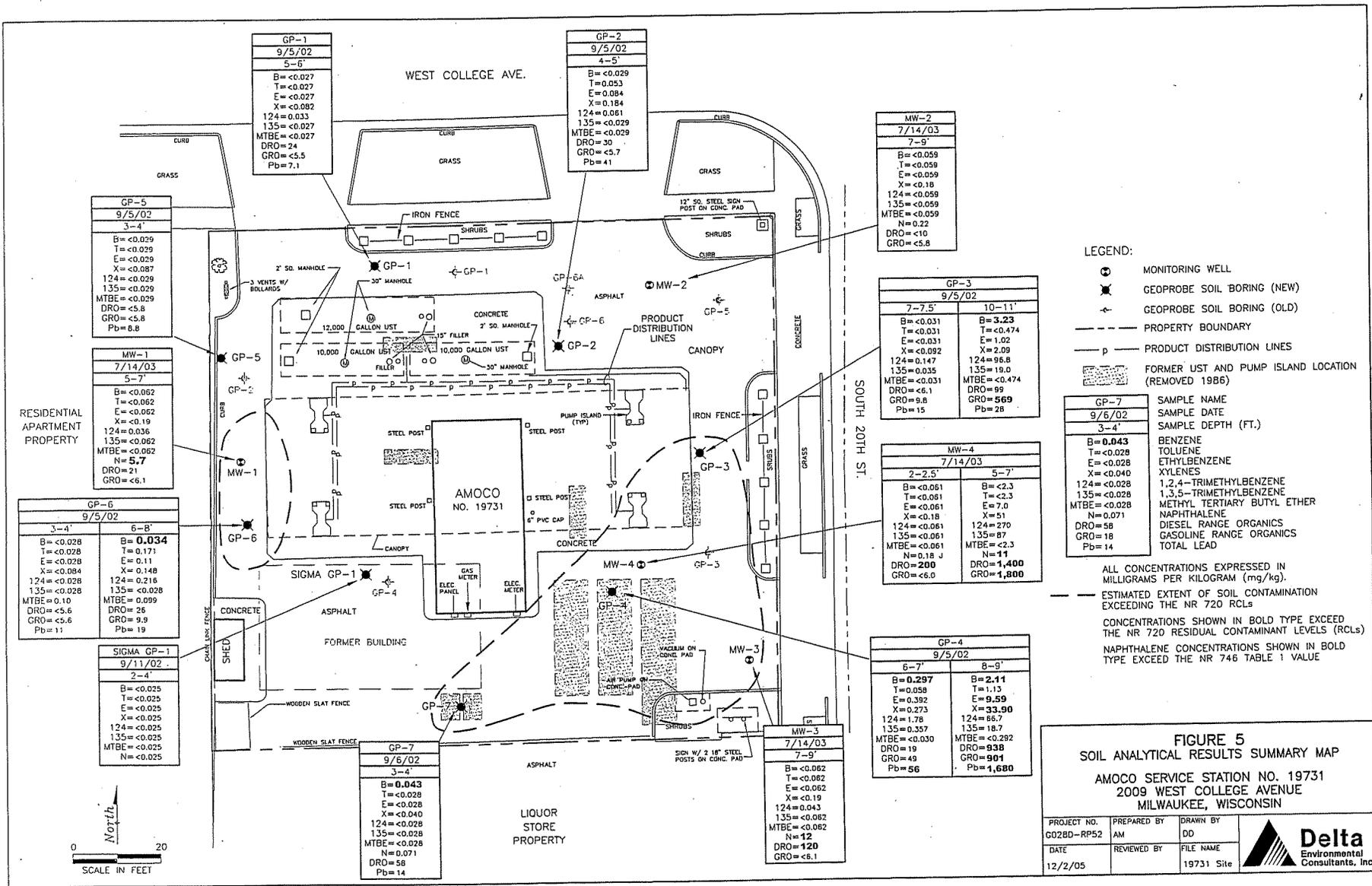
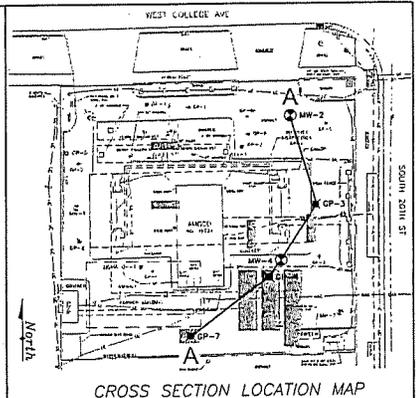
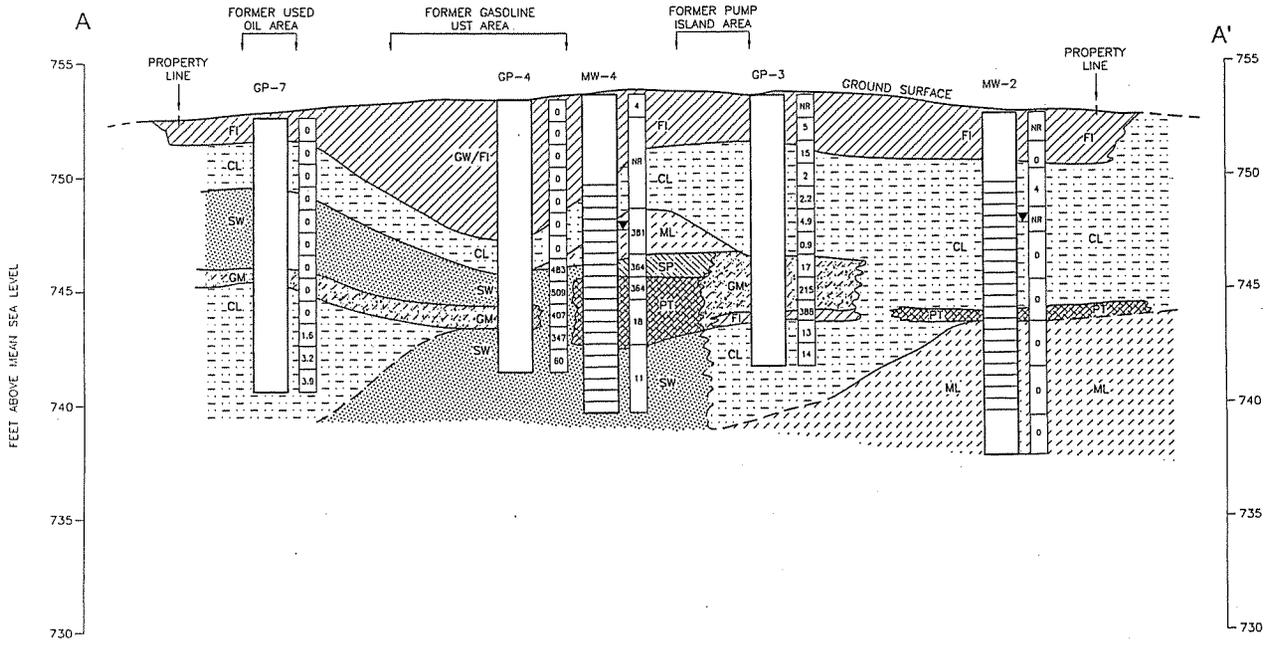


FIGURE 6  
GROUNDWATER ELEVATION CONTOUR MAP  
AUGUST 10, 2005  
AMOCO SERVICE STATION NO. 19731  
2009 WEST COLLEGE AVENUE  
MILWAUKEE, WISCONSIN

PROJECT NO. G0280-RP52	PREPARED BY AM	DRAWN BY DD
DATE 11/8/05	REVIEWED BY	FILE NAME 19731 Site

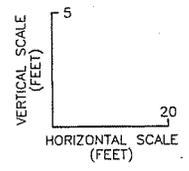






**LEGEND**

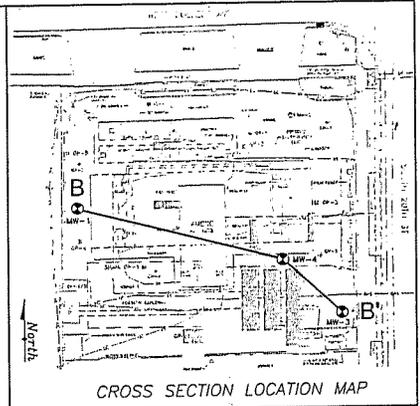
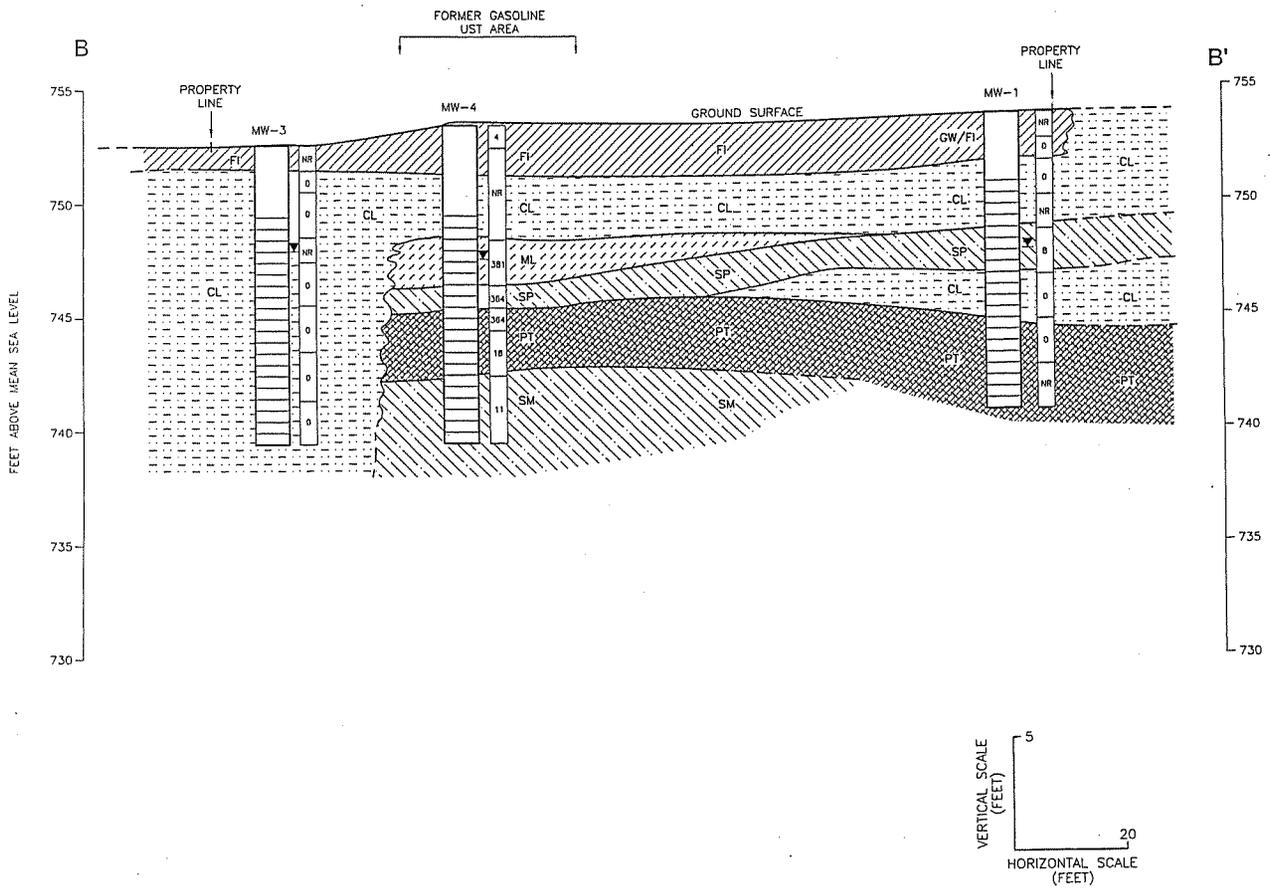
- (FI) PROBABLE FILL
- (CL) SILTY CLAY
- (ML) SILT
- (PT) PEAT
- (SW) FINE SAND
- (SP/SM) SAND WITH SILT
- (GW) GRAVEL WITH SAND
- (GM) GRAVEL WITH SILT
- NR = NOT RECOVERED/SAMPLED
- MONITORING WELL OR BORING
- PID READINGS
- SCREENED INTERVAL
- POTENTIOMETRIC SURFACE  
8/10/05



**FIGURE 3**  
GEOLOGIC CROSS-SECTION A-A'  
FORMER AMOCO SERVICE STATION NO. 19731  
2009 WEST COLLEGE AVENUE  
MILWAUKEE, WISCONSIN

PROJECT NO. G0280-RP52	PREPARED BY AM	DRAWN BY DD
DATE 12/2/05	REVIEWED BY	FILE NAME 19731-AA





CROSS SECTION LOCATION MAP

LEGEND

- (FI) PROBABLE FILL
- (CL) SILTY CLAY
- (ML) SILT
- (PT) PEAT
- (SW) FINE SAND
- (SP/SM) SAND WITH SILT
- (GW) GRAVEL WITH SAND
- (GM) GRAVEL WITH SILT
- NR = NOT RECOVERED/SAMPLED
- MONITORING WELL OR BORING
- 0 PID READINGS
- SCREENED INTERVAL
- ▼ POTENTIOMETRIC SURFACE 8/10/05

FIGURE 4  
GEOLOGIC CROSS-SECTION B-B'  
FORMER AMOCO SERVICE STATION NO. 19731  
2009 WEST COLLEGE AVENUE  
MILWAUKEE, WISCONSIN

PROJECT NO. G02BD-RP52	PREPARED BY AM	DRAWN BY DD	
DATE 11/1/05	REVIEWED BY	FILE NAME 19731-BB	

**STATEMENT OF LEGAL DESCRIPTION ACCURACY**

**FOR**

**Parcel Identification Number: 716-9996-111-0**

**Geographic Position: 688112, 275092 WTM**

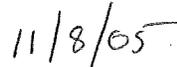
Former Amoco Service Station No. 19731  
2009 West College Avenue  
Milwaukee, Wisconsin  
Delta Project No. G028D  
BRRTS No. 03-41-443402

The Milwaukee County Register of Deeds Office provided the attached legal descriptions as part of the deed for the above-mentioned property. According to the information available to Delta Environmental Consultants, Inc., the legal description is accurate and complete.

**DELTA ENVIRONMENTAL CONSULTANTS, INC.**



Adam S. McIlheran, Staff Hydrogeologist



Date

**FILE COPY**

October 31, 2005

Yasmeen Kassam  
RK Petroleum, LLC  
6001 West Calumet Road  
Milwaukee, WI 53223

Certified Mail No. 7004 0750 0000 2519 9959

Subject: **Inclusion of Property at 2009 West College Avenue, Milwaukee, Wisconsin into Wisconsin Department of Natural Resources GIS Registry**  
Former Amoco Service Station No. 19731  
2009 West College Avenue  
Milwaukee, Wisconsin  
Delta Project No. G028D  
WDNR BRRTS No. 03-41-443402

Dear Mr. Kassam:

On behalf of Atlantic Richfield Company, a BP affiliated company (BP), Delta Environmental Consultants (Delta) is informing you that residual soil and groundwater contamination is present on your property located at 2009 West College Avenue, Milwaukee, WI (former Amoco Service Station No. 19731). The levels of benzene, methyl tert butyl ether (MTBE), and naphthalene contamination in the groundwater on your property are above the groundwater enforcement standards found in chapter NR 140, Wisconsin Administrative Code.

The levels of benzene, ethylbenzene, xylenes, TMBs, naphthalene, and lead in soil at one or more locations are above the soil residual contaminant levels (RCLs) found in chapter NR 720 of the Wisconsin Administrative Code. However, indications are that the soil and groundwater contaminant plume is stable or receding and will naturally degrade over time. Delta believes that allowing natural attenuation to complete the cleanup at this site will meet the requirements for case closure that are found in chapter NR 726 and/or chapter NR 746, Wisconsin Administrative Code. Delta will submit a request to the Wisconsin Department of Natural Resources (WDNR) to accept natural attenuation of groundwater as the final remedy for this site and grant case closure. Closure, if granted, means that the WDNR will not be requiring any further investigation or cleanup action to be taken, other than the reliance on natural attenuation. A copy of the WDNR Fact Sheet titled *What Landowners Should Know: Information About Using Natural Attenuation to Clean Up Contaminated Groundwater* is enclosed for your information. Note that any requirements with regard to residual soil contamination will be made by the WDNR at the time of their review of the closure request.

The WDNR will not review the closure request for at least 30 days after the date of this letter. As an affected property owner, you have a right to contact the WDNR to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information to the WDNR that is relevant to this closure request, you should mail that information to:

Mr. Eric Amadi  
Wisconsin Department of Natural Resources  
Southeast Region Headquarters  
2300 N. Martin Luther King Drive  
Milwaukee, WI 53212

GIS Notification for:  
Former Amoco Service Station No. 15731  
2009 West College Avenue  
Milwaukee, Wisconsin  
October 31, 2005  
Page 2

If the WDNR grants case closure, all properties within the site boundaries where soil and groundwater contamination exceeds chapter NR 720 RCLs or the NR 140 ESs, respectively, will be listed on the WDNR's geographic information system (GIS) Registry of Closed Remediation Sites. The information on the GIS Registry includes maps showing the location of properties in Wisconsin where soil and groundwater contamination above chapter NR 720 RCLs or the NR 140 ESs were found at the time that the case was closed. This GIS Registry will be available to the general public on the WDNR's internet web site. **Please review the enclosed legal description of your property and notify me within the next 30 days if the legal description is incorrect.**

If you or any subsequent property owners excavate contaminated soil, it may be considered a solid waste and must be managed in accordance with all applicable laws. Additionally, if you or any subsequent property owner wish to construct or reconstruct a well on your property, special well construction standards may be necessary to protect the well from the residual groundwater contamination. Any well driller who proposes to construct a well on your property should call the Diggers Hotline 800/242-8511 if your property is located outside of the service area of a municipally owned water system, or contact the Drinking Water program within the WDNR if your property is located within the designated service area of a municipally owned water system, to determine if there is a need for special well construction standards.

Once the WDNR makes a decision on the closure request, it will be documented in a letter. If the WDNR grants closure, you may obtain a copy of this letter by requesting a copy from BP or Delta, by writing to the agency address given above or by accessing the WDNR GIS Registry of Closed Remediation Sites on the internet at [www.dnr.state.wi.us/org/at/et/geo/gwur](http://www.dnr.state.wi.us/org/at/et/geo/gwur). A copy of the closure letter is included as part of the site file on the GIS Registry of Closed Remediation Sites.

If you need more information, feel free to contact Rick Carney, Project Manager at 262/827-4803. You may also contact Mr. Eric Amadi of the WDNR at 414/263-8639.

Sincerely,

**DELTA ENVIRONMENTAL CONSULTANTS, INC.**



Adam S. McIlheran  
Staff Hydrogeologist

Enclosures

cc: Ray Stoelting – Atlantic Richfield Company (a BP affiliated company)