

GIS REGISTRY INFORMATION

SITE NAME: Former Paul's Amoco
BRRTS #: 03-63-000203 **FID #**
COMMERCE # (if appropriate): 54624-9999-26
CLOSURE DATE: 14-Apr-05
STREET ADDRESS: Mill Park Drive
CITY: De Soto

SOURCE PROPERTY LOCATIONAL COORDINATES
(meters in WTM91 projection): X= 422892 Y= 328523

CONTAMINATED MEDIA: Groundwater Soil Both

OFF-SOURCE GW CONTAMINATION >ES: Yes No

IF YES, STREET ADDRESS 1: _____

Locational COORDINATES (meters in WTM91 projection): X= _____ Y= _____

OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL): Yes No

IF YES, STREET ADDRESS 1: _____

Locational COORDINATES (meters in WTM91 projection): X= _____ Y= _____

CONTAMINATION IN RIGHT OF WAY: Yes No

DOCUMENTS NEEDED:

- Closure Letter, and any conditional closure 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

DNR Note: The resubmittal for closure letter required a deed restriction for remaining soil contamination on-site, however that assessment was based on a map that showed the wrong location of a soil sample. Subsequent review showed the soil sample to be located off-site, therefore no deed restriction was required.

revised 7/2/03



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
 Scott Hassett, Secretary
 Scott Humrickhouse, Regional Director

West Central Region Headquarters
 1300 W. Clairemont Avenue
 PO Box 4001
 Eau Claire, Wisconsin 54702-4001
 Telephone 715-839-3700
 FAX 715-839-6076
 TTY 711

April 14, 2005

Mr. Paul Helmeid
 P.O. Box 32
 DeSoto, WI 54624-0032

SUBJECT: Final Case Closure
 Former Paul's Amoco, DeSoto, WI
 WDNR BRRTS #: 03-63-000203 PECFA # 54624-9999-26

Dear Mr. Helmeid:

On April 11, 2002 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. At that time, the committee determined that the case did not meet the criteria for closure per NR 726 Wis. Admin Code. You were notified by letter of the specific conditions you needed to meet to achieve closure for this site.

Subsequently, Ayres Associates conducted additional field work and has provided documentation needed to satisfy the conditions of closure. Based on the correspondence and data provided, it appears that your case 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>

If your property is listed on the GIS Registry due to groundwater contamination exceeding ch. NR 140 standards at the time of closure, and you intend to construct or reconstruct a well, you will need Department approval. Department approval is required before construction or reconstruction of a well on a property listed on the GIS Registry, in accordance with s. NR 812.09(4)(w). 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 at the web address listed above.

If this is a PECFA site, section 101.143, Wis. Stats., requires that PECFA claimants seeking reimbursement of interest costs, for sites with petroleum contamination, 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.

If there is equipment purchased with PECFA funds remaining at the site, contact the Commerce PECFA Program to determine the method for salvaging the equipment.

Please be aware that this case may be reopened pursuant to s. NR726.09, 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 715 839 1604.

Sincerely,



Thomas J. Kendzierski
Hydrogeologist
Bureau for Remediation & Redevelopment

cc: Mr. Thomas P. Gaieck, Ayres Associates - Madison

File 80 pcc ✓



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor
Darrell Bazzell, Secretary
Scott A. Humrickhouse, Regional Director

West Central Region Headquarters
1300 W. Clairemont Avenue
PO Box 4001
Eau Claire, Wisconsin 54702-4001
Telephone 715-839-3700
FAX 715-839-6076
TTY 715-839-2786

June 7, 2002

Mr. Paul Helmeid
P.O. Box 32
DeSoto, WI 54624-0032

Subject: Supplemental Soil Sampling and Re-submittal for Case Closure
Paul's Amoco DeSoto, WI
WDNR BRRTS #: 03 63 000203

Dear Mr. Helmeid:

On April 11, 2002, your site was reviewed for closure by the West Central Region Closure Committee. This committee reviews environmental remediation cases for compliance with state statutes and rules to maintain consistency in the closure of these cases. After careful review of your closure request, the closure committee has decided that additional site work is necessary at the above-described site, in order to meet the requirements for site closure.

Your site was denied closure at that time because;

- Post-remedial sampling was not done in former areas of soil contamination to ascertain whether the remedial action was effective at meeting NR 746 direct contact values and NR 720 standards for the groundwater route. Of particular concern are shallow soils near MW-11 and deeper soils near SB-F.

Ayres Associates has completed the confirmation soil sampling as requested and submitted the results on your behalf in a report dated May 20, 2002. This report appears to confirm that a net reduction of contamination has occurred. However, the confirmation sampling did show that soil contamination does remain in excess of NR 720 soil standards.

To qualify for site closure under the terms of NR 720 and NR 726 Wisconsin Administrative Code, a deed notification is necessary on the properties with remaining soil contamination above the NR 720 standards or notification to any right of way owners as appropriate.

- Please submit a draft copy of any deed notification to me for review prior to filing it. The format for such notifications is available in guidance on WDNR's R&R web site. Copies of the deed notification with proof of filing and copies of any notifications to Right of Way owners is necessary for final closure.

In addition, the following conditions for closure have not been satisfied;

- Proper documentation necessary for placement of this site on the GIS Registry of Contaminated sites as requested. The Registry is an option for this site since groundwater contamination remains over NR 140 Standards. Please use the GIS Registry checklist found on our web site at <http://www.dnr.state.wi.us/org/aw/rr/archives/pubs/RR688.pdf>

Proof that affected downgradient property owners and right of way owners were properly notified must be provided. See NR 716, NR 726, and the December 2001 Re News on our web site <http://www.dnr.state.wi.us/org/aw/rr/archives/pubs/RR680.pdf>

The Department received a fee of \$1000 for a closure review of this site. \$250 of this fee is for placement on the GIS Registry. However, the necessary documentation was not received.

- Proof that all monitoring wells, borings and the remedial system have been properly abandoned according to NR 141 Wis. Admin. Code.

Once the additional work outlined above has been completed, a brief submittal should be sent to the Department. The information will be added to the file for review and your request for closure will be reconsidered.

If there is additional relevant information that was not previously provided to the Department, which you believe might change the Department's closure decision, you may submit that information for our re-evaluation of your closure request.

If you have any questions regarding this letter, please contact me at 715/839-1604.

Sincerely,



Tom Kendzierski
Hydrogeologist
Bureau for Remediation & Redevelopment

cc: Thomas Gaieck – Ayres Associates, Madison

File



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor
Darrell Bazzell, Secretary
Scott A. Humrickhouse, Regional Director

West Central Region Headquarters
1300 W. Clairemont Avenue
PO Box 4001
Eau Claire, Wisconsin 54702-4001
Telephone 715-839-3700
FAX 715-839-6076
TTY 715-839-2786

April 11, 2002

Mr. Paul Helmeid
P.O. Box 32
DeSoto, WI 54624-0032

Subject: Denial of Case Closure By Committee
Paul's Amoco DeSoto, WI
WDNR BRRTS #: 03 63 000203

Dear Mr. Helmeid:

On April 11, 2002, your site was reviewed for closure by the West Central Region Closure Committee. This committee reviews environmental remediation cases for compliance with state statutes and rules to maintain consistency in the closure of these cases. After careful review of your closure request, the closure committee has decided that additional site work is necessary at the above-described site, in order to meet the requirements for site closure.

Your site was denied closure because;

- Post-remedial sampling was not done in former areas of soil contamination to ascertain whether the remedial action was effective at meeting NR 746 direct contact values and NR 720 standards for the groundwater route. Of particular concern are shallow soils near MW-11 and deeper soils near SB-F.

Once the levels of contamination remaining in soil are confirmed, closure conditioned on a deed notification, performance standard to maintain a pavement cap or engineering control, site specific Residual Contaminant Level (RCL), another option allowed under NR720 and NR 726 Wisconsin Administrative Code or unconditional closure may be available as appropriate.

Most property owners find this post remedial sampling to be worthwhile if it is successful in avoiding a deed notification or ongoing costs for maintaining an asphalt cap or other control.

- Proper documentation necessary for placement of this site on the GIS Registry of Contaminated sites as requested. The Registry is an option for this site since groundwater contamination remains over NR 140 Standards. Please use the GIS Registry checklist found on our web site at <http://www.dnr.state.wi.us/org/aw/rr/archives/pubs/RR688.pdf>

Proof that affected downgradient property owners and right of way owners were properly notified must be provided. See NR 716, NR 726, and the December 2001 Re News on our web site <http://www.dnr.state.wi.us/org/aw/rr/archives/pubs/RR680.pdf>

The Department received a fee of \$1000 for a closure review of this site. \$250 of this fee is for placement on the GIS Registry. However, the necessary documentation was not received.

Once the additional work outlined above has been completed, a brief submittal should be sent to the Department. The information will be added to the file for review and your request for closure will be reconsidered.

If there is additional relevant information that was not previously provided to the Department, which you believe might change the Department's closure decision, you may submit that information for our re-evaluation of your closure request.

If you have any questions regarding this letter, please contact me at 715/839-1604.

Sincerely,



Tom Kendzierski
Hydrogeologist
Bureau for Remediation & Redevelopment

cc: Ann Hake
Thomas Gaieck – Ayres Associates, Madison



79 ✓
700 ✓
File

February 12, 2002

Ms. Eileen Kramer
Wisconsin Department of Natural Resources
P.O. Box 4001
Eau Claire, WI 54702

FILED

Re: Request for Site Closure
Former Paul's Amoco, De Soto, WI
BRRTS # 03-63-000203, PECFA Claim # 54624-9999-26

Dear Ms. Kramer:

On behalf of Mr. Paul Helmeid, Ayres Associates is submitting a request for closure of the former Paul's Amoco station in accordance with NR 726.05 (2) (b). The remediation system installed at the site was shut off on March 22, 2000. Four quarters of ground water monitoring were subsequently conducted to evaluate contaminant levels and natural attenuation parameters. Data collected since system shut off indicates that natural biodegradation processes are sufficient to mitigate the migration of residual ground water contamination. Further operation of the remediation system, therefore, is not warranted and closure of the site to further environmental activities is recommended. The following summarizes environmental activities conducted at the site.

The former Paul's Amoco station was an automotive service garage and retail petroleum distributor located on Mill Park Drive in De Soto, Wisconsin (Figure 1). Environmental assessment activities at the site were spurred by complaints of petroleum contamination in private potable wells on neighboring properties. Tests conducted during the summer of 1988, by the Wisconsin Department of Natural Resources (WDNR), detected petroleum-related compounds in the Simpson, Boardman, and Robertson residence wells (Figure 2). Because of proximity to the contaminated private potable wells, WDNR requested tightness testing of the three petroleum underground storage tanks (UST) on the former Paul's Amoco. Results of tank tightness testing revealed that a 1,000-gallon gasoline UST was leaking. The WDNR subsequently requested that the property owner, Paul Helmeid, assess the extent of contamination resulting from leakage of his petroleum storage system.

Because of financial hardship, Paul Helmeid responded that he could not undertake the requested investigation. Given the private well contamination, the WDNR retained Ayres Associates to investigate groundwater contamination in proximity of the former Paul's Amoco. LUST Trust funds available from the U.S. EPA were used to fund the project. Authorization to proceed was granted by the WDNR in November 1989.

Nine soil borings were advanced in the vicinity of Paul's Amoco in 1990 and subsequently used for installation of five water table wells (MW-1A, MW-2, MW-4A, MW-5A, MW-6) and four piezometers (MW-1B, MW-3B, MW-5B, MW-7). Three backhoe test pits, TP-1, TP-2, and TP-3 were also excavated adjacent to a railroad spur formerly located along the west side of Mill Park Drive. Unconsolidated alluvial and fill deposits were encountered from the ground surface to depths between 5 and 30 feet below land surface. The majority of fill material was noted on the west side of Mill Park Drive. This area was formerly a slough that had been substantially filled between 1950 and 1970. Fill consisted of wood, brick, bottles, and metal. An approximate 2-foot thickness of coal waste was observed in test pits TP-1 and TP-2. Sandstone bedrock was encountered beneath the unconsolidated material to the total depth explored. Figure 2 indicates boring, monitoring well, and test pit locations.

Results of the 1990 assessment activities detected soil contamination above regulatory guidelines in test pit TP-1 and monitoring well boreholes MW-3B and MW-5A. Groundwater contaminated with petroleum-related compounds above enforcement standards was detected in MW-1A, MW-2, and MW-5A. Because of the high levels of contamination noted on the Paul's Amoco property, especially in MW-5A located in proximity of petroleum USTs, additional environmental activities were conducted.

Between March and August 1995, nine soil borings were advanced (SB-A through SB-J), 10 monitoring wells (MW-3A, MW-8, MW-9, MW-10, MW-11, MW-12, MW-13, MW-14, MW-15, and MW-16) and one piezometer, MW-4B, installed. Also, USTs on the Paul's Amoco property were closed and removed in August 1995. Soil boring and monitoring well locations are shown on Figure 2. Geologic cross sections for the assessment area are represented on Figures 3 through 6.

Petroleum contaminated soil with concentrations above NR 720 residual contaminant levels was noted in an area extending approximately 450 feet north from Paul's Amoco along Mill Park Drive. Groundwater with petroleum-related contamination above enforcement standards also extended northerly from Paul's Amoco along Mill Park Drive. Near the northern terminus of Mill Park Drive, the groundwater contaminant plume split into two lobes. One lobe extended in a down gradient direction toward MW-15 and the Mississippi River. The other lobe continued northerly and sidegradient of Paul's Amoco. Table 1 summarizes soil sample analytical results. Groundwater analytical results are summarized in Tables 2 and 3.

The sidegradient extent of contamination does not appear to be directly related to the release on the Paul's Amoco property. The sidegradient lobe of contamination may have possibly been the result of activities associated with the railroad spur formerly located along Mill Park Drive. Material used to fill the former slough may also have caused the contamination detected north of monitoring well MW-11. Figures 7 and 8 show soil and groundwater contaminant conditions prior to remedial activities.

A soil vapor extraction (SVE), air sparge and ground water pump and treat system was installed at the site and began operation in May 1997. The remediation system ran until March 2000 at which time it was shut off (Figure 9). During operation, approximately 2,000 grams of total BTEX were removed by the ground water extraction system and 1,800 pounds of GRO were removed with the SVE system. Figures 10 through 12 graphically represent the contaminant mass removal data.

Twenty-six rounds of groundwater samples have been collected from the monitoring wells and piezometers currently existing at the site. Monitoring well MW-6 was abandoned in 1994 and MW-10 was abandoned in 1997 because of roadway construction. Seven rounds of samples have also been collected from the ground water recovery well, RW-1. Samples collected between April 2000 and March 2001 were collected following shut off of the remediation system. All ground water samples were analyzed for petroleum-related compounds. Samples collected following system shut off were also analyzed for natural attenuation parameters.

Prior to sampling, water levels were measured to interpret the apparent slope of the water table across the property. The data from each sampling round indicates that the water table and sandstone potentiometric surface slopes westerly toward the Mississippi River. Water table and potentiometric surface contour maps, based upon water levels collected on March 7, 2001, are included as Figures 13 and 14. Table 4 summarizes ground water elevations. Figures 15 and 16 graphically represent the data in Table 4.

Analyses of ground water samples collected from water table wells MW-1A, MW-2, MW-3A, MW-5A, MW-8, MW-11, MW-13, MW-15, recovery well RW-1 and piezometer MW-4B, have historically detected petroleum contaminants with concentrations greater than NR 140 enforcement standards. However, contaminant concentrations have not been detected above NR 140 enforcement standards in MW-1A since May 1990, in MW-2, MW-8, and MW-15 since December 1997, in MW-13 since October 1998, and in MW-4B since December 2000. Analysis of ground water sampled from water table wells MW-4A, MW-9, MW-12, MW-14, MW-16, and piezometers MW-1B, MW-3B, MW-5B, and MW-7 have never contained petroleum-related contaminants above enforcement standards. Tables 2 and 3 summarize ground water analytical results.

Petroleum contaminant concentrations in ground water have shown a decreasing trend during monitoring activities conducted at the site. With the exception of MW-11 and RW-1 located on Mill Park Drive, concentrations of petroleum-related compounds above enforcement standards were only detected in on-site monitoring wells MW-3A and MW-5 during the last round of groundwater samples collected in March 2001. The highest concentrations of petroleum contamination remain in MW-5A and RW-1 located in the area of the former USTs on the Paul's Amoco property. Figures 17 through 23 show the trends in contaminant concentrations in ground water sampled from MW-2, MW-3A, MW-5A, MW-8, MW-11, MW-15, and RW-1.

Ms. Eileen Kramer
February 12, 2002
Page 4

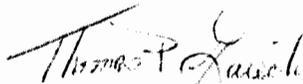
On March 22, 2000, the remediation system at the site was shut off. Four rounds of ground water samples were subsequently collected and analyzed for petroleum-related compounds and three rounds were analyzed for natural attenuation parameters to evaluate whether natural biodegradation processes would be sufficient to mitigate migration of subsurface contamination. Contaminant data collected since system shut off indicate a decreasing trend in all monitoring wells and piezometers that have contained concentrations of petroleum-related compounds. Natural attenuation data does not conclusively indicate trends in analyte concentrations when comparing wells within the contaminant plume to wells outside of the plume. Comparing data between contaminated wells and non-contaminated wells is complicated because the water table intersects a range of materials such as sandstone in MW-3 and MW-5A, fill material in MW-4A and MW-8, and alluvial sands in MW-14 through MW-16. In general, however, the range in concentrations of natural attenuation parameters suggest that biodegradation processes could occur. Laboratory analytical reports for the last 4 monitoring rounds are attached to this letter. Natural attenuation data is summarized in Table 5.

Based upon the results of assessment and remedial activities conducted at the former Paul's Amoco station, Ayres Associates respectfully requests that the site be closed to further environmental activities with inclusion on The GIS Registry of closed remediation sites. The source of contamination, the former UST system was removed from the site. Subsequent ground water monitoring conducted on the site since 1990 indicate a decreasing trend in contaminant concentrations. Ground water contamination above enforcement standards is currently only detected in on-site monitoring wells MW-3A and MW-5A and MW-11 and RW-1 located in Mill Park Drive. No other wells, including down gradient off-site water table wells and piezometers, contain petroleum-related compounds above enforcement standards. Figure 24 shows the extent of groundwater contaminated with benzene concentrations above enforcement standards for the last round of samples collected on March 7, 2001.

We request written notification regarding the status of the site upon WDNR review of the case for closure. Please call me at 608-249-0471 with any questions regarding environmental activities conducted at the former Paul's Amoco station.

Sincerely,

Owen Ayres & Associates, Inc.



Thomas P. Galeck
Hydrogeologist

TPG:sla

Enclosure

cc: Paul Helmeid, Owner

312430

VOL 318 PAGE 373

Gale H. Groves

Rec'd for record 92 day of Jan. 19 88 at 10:30 a'clock and Recorded in Vol. 318 of Records on Page 373

conveys and warrants to Paul G. Helmeid

RETURN TO 400 N. - 300 Refund DeSoto Bank

the following described real estate in Vernon County, State of Wisconsin:

Tax Parcel No: 62-116-34

Lots 5 and 6 in Block 6 of Original Plat of the Village of DeSoto. Lot 1 in Block 7 of the Original Plat of the Village of DeSoto. Lot 2 in Block 7 of the Original Plat of the Village of DeSoto. Part of the SE 1/4 of the SW 1/4 of Section 15, Township 11 North, Range 7 West, Village of DeSoto, described as follows:

Beginning at the point of intersection of the South line of Academy Street with the West line of DeSoto Street in the Village of DeSoto; thence South along the West line of DeSoto Street to the point of intersection of the North line of Front Street with the West line of DeSoto Street; thence East to the point of intersection of the North line of Front Street with the East line of DeSoto Street; thence North along the East line of DeSoto Street to a point directly East of the point of beginning; thence West to the point of beginning.

Lot 3 in Block 7 of the Original Plat of the Village of DeSoto. The South 3/4 of Lot 4 in Block 7 of the Original Plat of the Village of DeSoto.

TRANSFER \$ 174.30 FEE

This is not homestead property. (is) (is not)

Exception to warranties: Easements and rights of way of record.

Dated this day of December, 19 87

(SEAL) X Gale H. Groves (SEAL)

* Gale H. Groves

(SEAL) X (SEAL)

AUTHENTICATION

ACKNOWLEDGMENT

Signature(s)

STATE OF WISCONSIN

authenticated this day of, 19

Vernon County, ss. Personally came before me this day of December, 19 87 the above named

TITLE: MEMBER STATE BAR OF WISCONSIN

Gale H. Groves

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

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

THIS INSTRUMENT WAS DRAFTED BY Attorney George Parke III

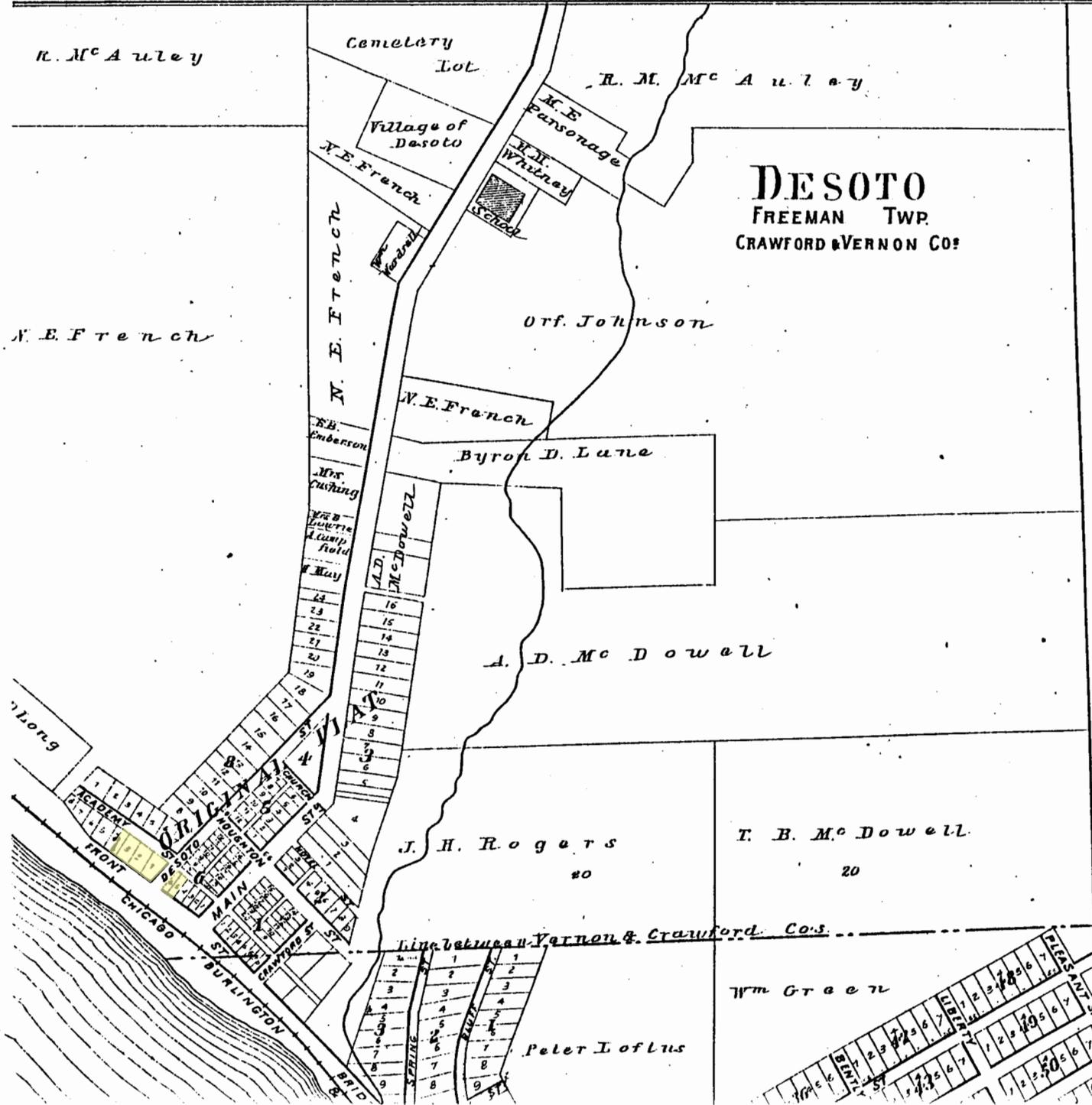
* Timothy J. Gillespie Notary Public VERNON County, Wis.

Parke, O'Flaherty, Ablan & Heim, Ltd.

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

My Commission is permanent. (If not, state expiration date: , 19)

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



40

William Green

BOOK	STATE NO	PAGE	YEAR
62-116	8	2002	

KEY TO CODES

- 1. A - RESIDENTIAL
- 2. B - COMMERCIAL
- 3. C - MANUFACTURING
- 4. D - AGRICULTURAL
- 5. E - SWAMP & WASTE
- 6. F - PRODUCTIVE FOREST LANDS
- 7. G - OTHER

- PFC MFL
- 1. FEDERAL
 - 2. STATE
 - 3. COUNTY
 - 4. OTHER
- EXEMPT FROM GEN. PROPERTY TAX
- 1. PFC REG. ENTERED BEFORE 1/1/72
 - 2. PFC REG. ENTERED AFTER 12/31/71
 - 3. PFC SPECIAL CLASSIFICATION
 - 4. COUNTY FOREST CROP
 - 7. MANAGED FOREST LAND - OPEN
 - 8. MANAGED FOREST LAND - CLOSED

COMPUTER NUMBER PARCEL NUMBER	SCHOOL DIST.	VOL/PAGE - REG. DEEDS	TOTAL ACRES OF DESC	ACREAGE & VALUE OF DESCRIPTION SUBJECT TO GENERAL PROPERTY TAX				C O D E	PFC MFL		C O D E	ACRES
				ACRES	LAND VALUE	IMPROVEMENT VALUE	TOTAL VALUE		ACRES	VALUE		
116/116-00031-0000 116/62116VDS 31 KIRSCHNER, CARL A 315 MAIN ST DESOTO WI 54624 DE SOTO SCHOOL DIST. 1421 WWTC-LA CROSSE 0002		274/410 323/74 354/30	0.000	1		500	15700	16200				
116/116-00032-0000 116/62116VDS 32 NEWPORT, MEGAN M 203 DESOTO ST DESOTO WI 54624 DE SOTO SCHOOL DIST. 1421 WWTC-LA CROSSE 0002		340/321 458/28 458/30 458/32	0.000	1		900	19700	20600				
116/116-00033-0000 116/62116VDS 33 BOARDMAN, JAMES A & PHYLLIS A PO BOX 77 DESOTO WI 54624 DE SOTO SCHOOL DIST. 1421 WWTC-LA CROSSE 0002		250/569 386/190	0.000	2		3200	80000	83200				
116/116-00034-0000 116/62116VDS 34 HELMEID, PAUL G S7308 ANTHONY RD DESOTO WI 54624 DE SOTO SCHOOL DIST. 1421 WWTC-LA CROSSE 0002		318/373 299/238 281/536	0.000	2		1400	34700	36100				

NO. OF PARCELS	4	TOTAL	6,000	150,100	156,100	0.000	0.000
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BOOK	STATE NO	PAGE	YEAR
1	62-116	10	2002

REAL ESTATE ASSESSMENT ROLL FOR THE VILLAGE OF DE SOTO

THE ROLL FOR THE VILLAGE OF DE SOTO IS SUBJECT TO THE COUNTY OF VERNON COUNTY

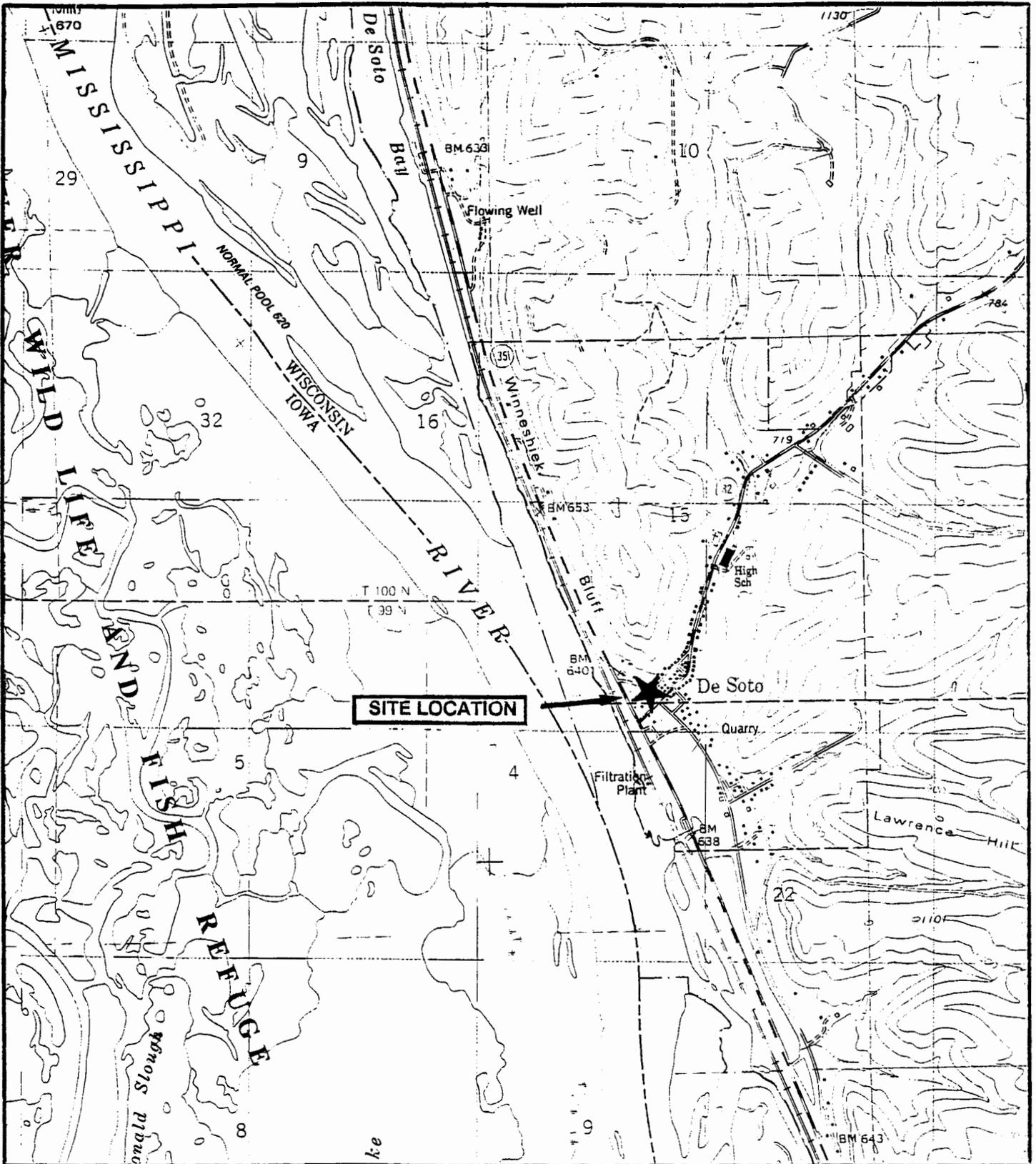
KEY TO CODES

- 1. A - RESIDENTIAL
- 2. B - COMMERCIAL
- 3. C - MANUFACTURING
- 4. D - AGRICULTURAL
- 5. E - SWAMP & WASTE
- 6. F - PRODUCTIVE FOREST LANDS
- 7. G - OTHER

- PFC MFL
- 1. PFC REG. ENTERED BEFORE 1/1/72
- 2. PFC REG. ENTERED AFTER 12/31/71
- 3. PFC SPECIAL CLASSIFICATION
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COMPUTER PARCEL NUMBER	SCHOOL DIST.	VOL/PAGE - REG. DEEDS	TOTAL ACRES OF DESC	ACREAGE & VALUE OF DESCRIPTION SUBJECT TO GENERAL PROPERTY TAX				C O D E	PFC MFL	
				ACRES	LAND VALUE	IMPROVEMENT VALUE	TOTAL VALUE		ACRES	VALUE
116/116-00039-0000 116/62116VDS 39 1 HELMEID, PAUL G S7308 ANTHONY RD DESOTO WI 54624 DE SOTO SCHOOL DIST. 1421 WWTC-LA CROSSE 0002		318/373 299/236 281/536	0.000	2		3300	300	3600		
116/116-00040-0000 116/62116VDS 40 2 COLLINS, DONALD T & JUDY A 200 N ENGLISH SETTLEMENT BURLINGTON WI 53105 DE SOTO SCHOOL DIST. 1421 WWTC-LA CROSSE 0002		500/244 500/240 271/359	0.000	1		1400		1400		
116/116-00041-0000 116/62116VDS 41 3 SIMPSON, ROBERT D PO BOX 14B DESOTO WI 54624 DE SOTO SCHOOL DIST. 1421 WWTC-LA CROSSE 0002		276/89	0.000	1		1000	10800	11800		
116/116-00042-0000 116/62116VDS 42 4 KIRBY, RAYMOND D & LISA L PO BOX 102 DESOTO WI 54624 DE SOTO SCHOOL DIST. 1421 WWTC-LA CROSSE 0002		491/58 238/358 448/657 449/721 15-11N-07W	0.000	1		900	38300	39200		

NO. OF PARCELS 4 TOTAL 0.000 49,400 0.000
6,600 56,000



AYRES
ASSOCIATES



SITE LOCATION

MAPPING SOURCE:
7.5 MINUTE
TOPOGRAPHIC QUADRANGLE
DESOTO, WISCONSIN



SITE LOCATION

0 1000 2000 3000

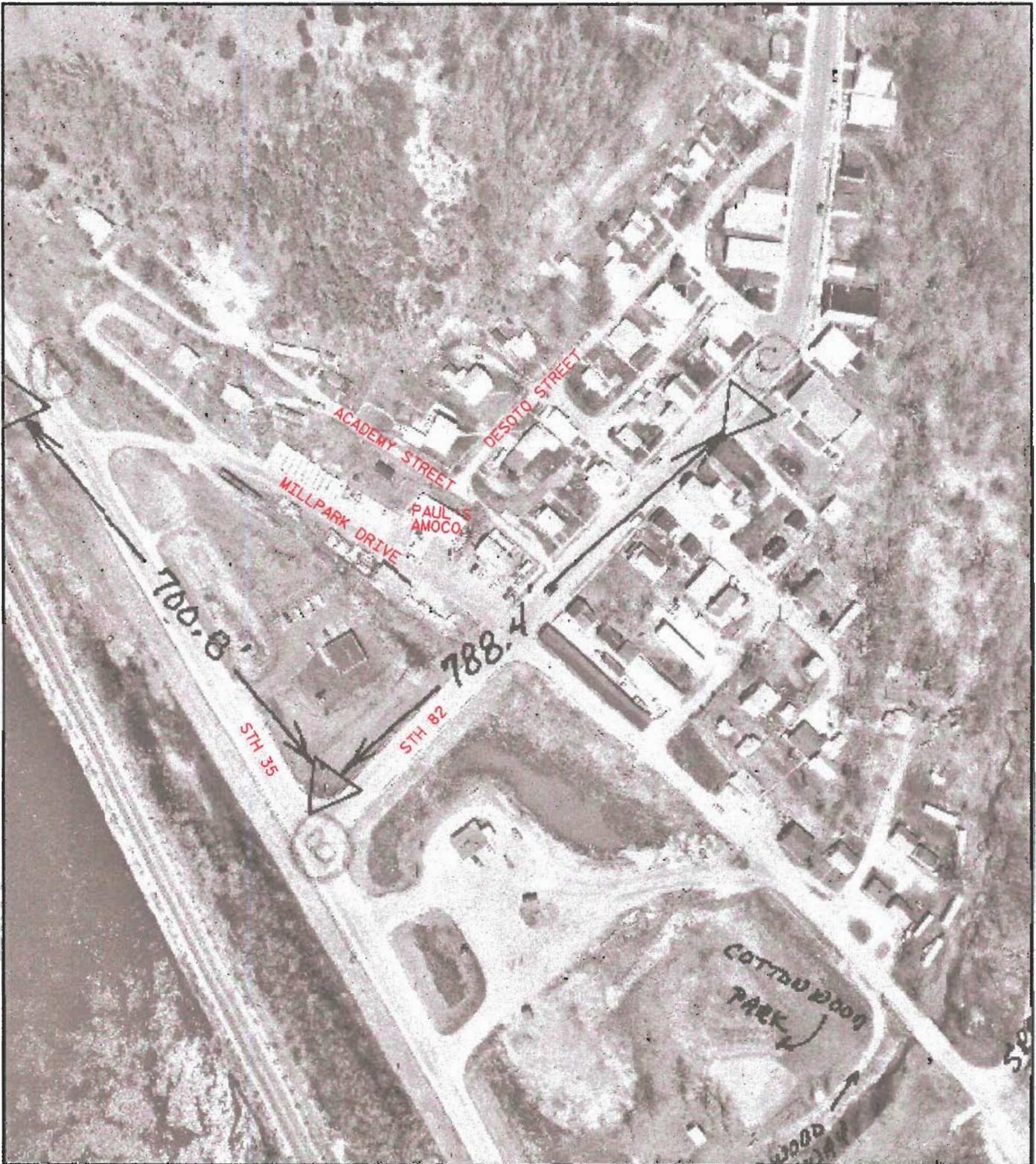
GRAPHIC SCALE IN FEET

FIGURE 1

PROJECT LOCATION

ENVIRONMENTAL ASSESSMENT
PAUL'S AMOCO
DESOTO, WISCONSIN

DATE: 09-06-1994
JOB NUMBER: 18-0111.00



AYRES
ASSOCIATES



SITE LOCATION

MAPPING SOURCE:
AYRES CADD
FILES

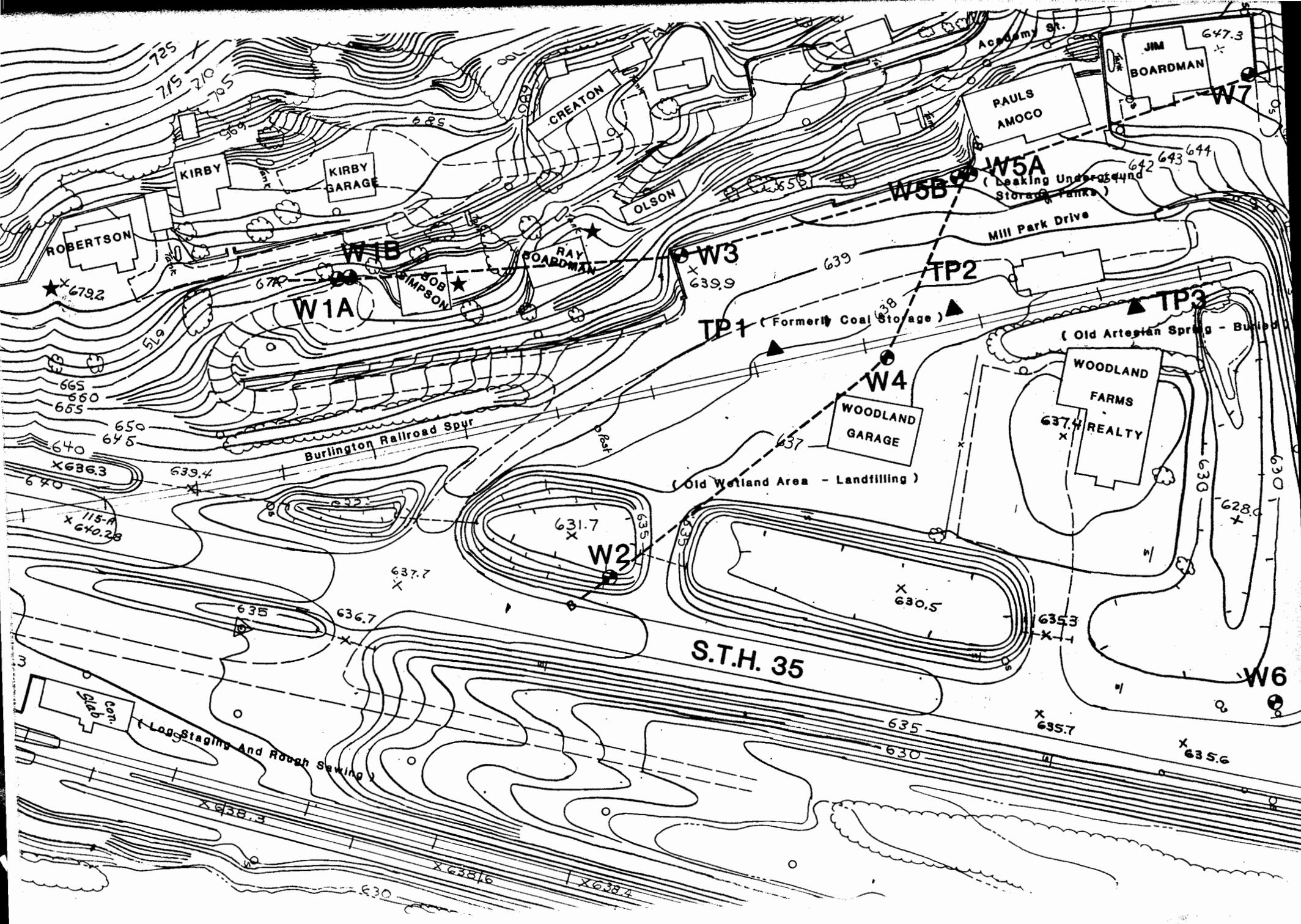


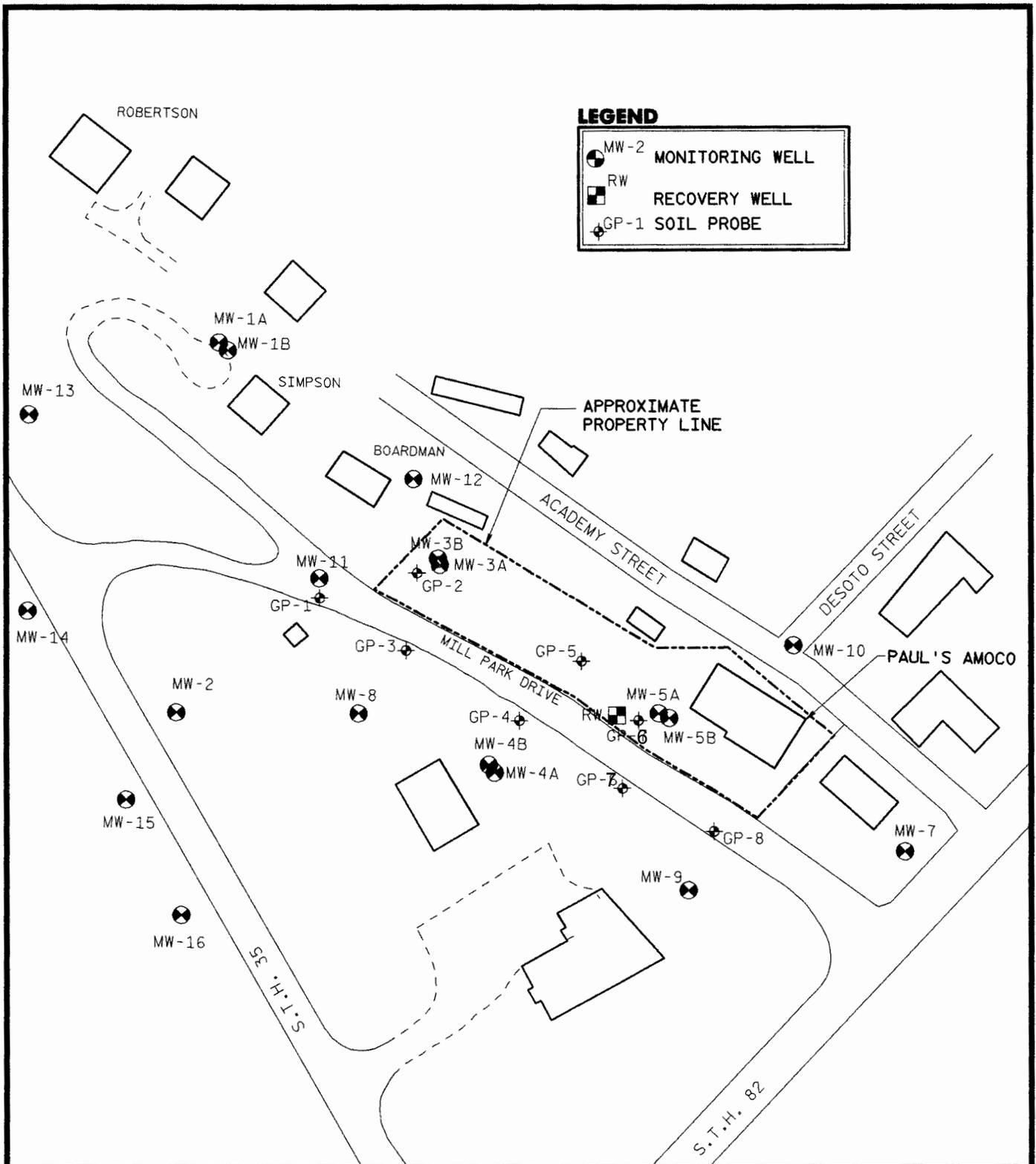
FIGURE

SITE AERIAL 1982

PAUL'S AMOCO
DESOTO, WISCONSIN

DATE: 04-02-03
JOB NUMBER: 180111.67





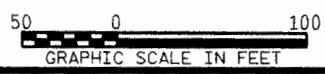
LEGEND

-  MW-2 MONITORING WELL
-  RW RECOVERY WELL
-  GP-1 SOIL PROBE

AYRES ASSOCIATES

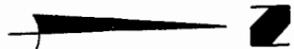
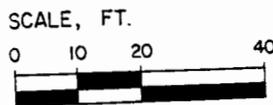
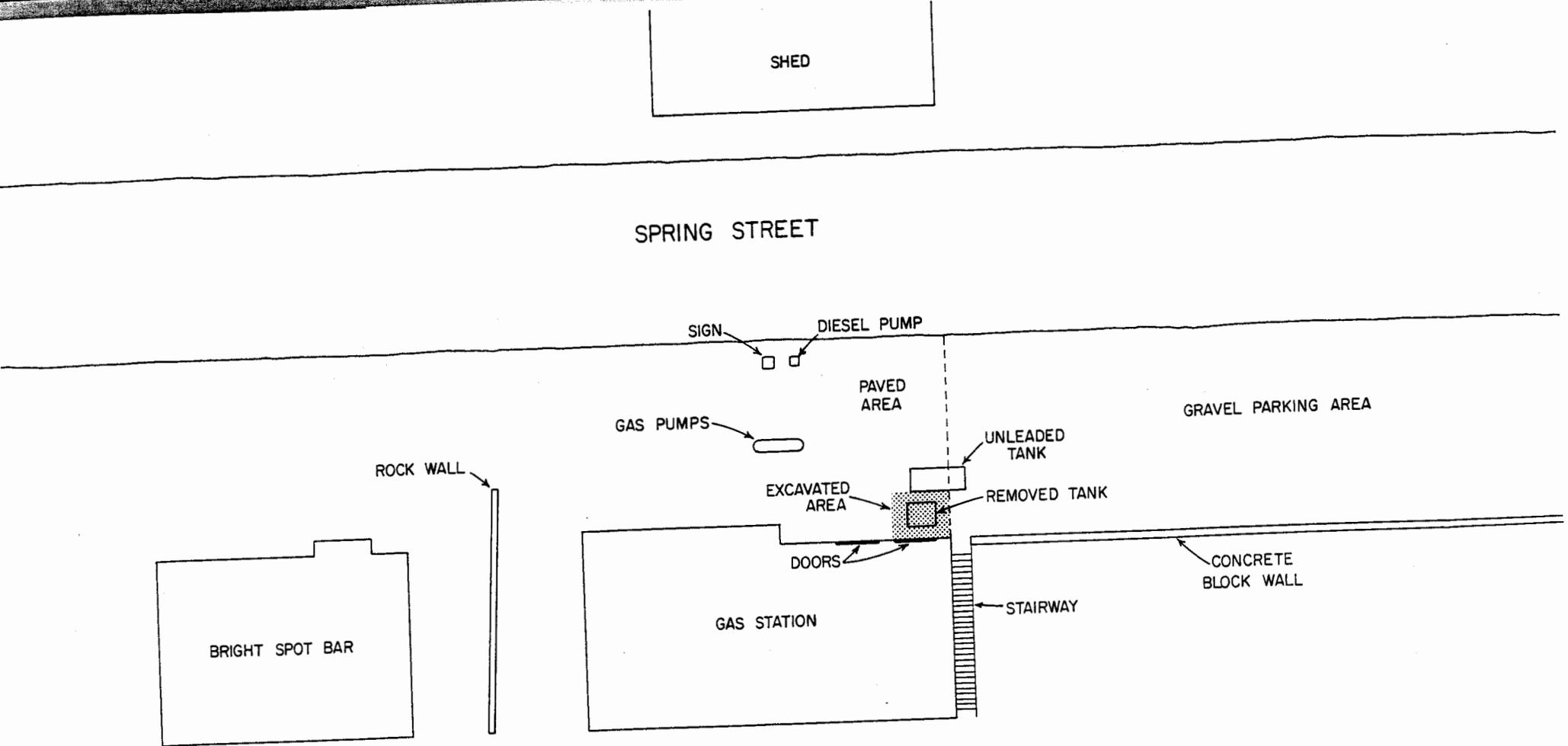


MAPPING SOURCE:
AYRES CADD FILES



SOIL PROBE, MONITORING WELL,
RECOVERY WELL LOCATIONS
PAUL'S AMOCO
DESOTO, WISCONSIN

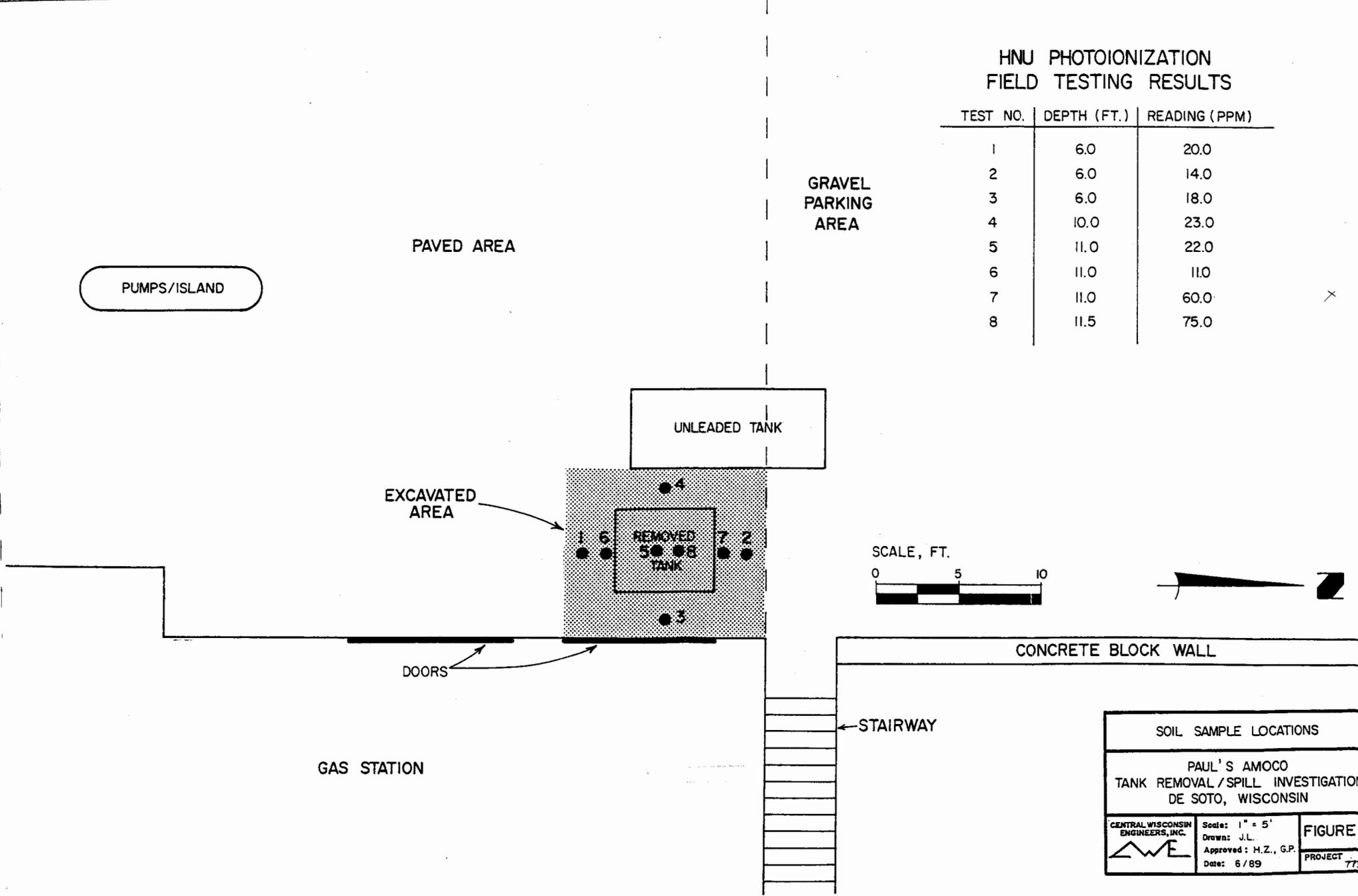
DATE: 04-03-03
JOB NUMBER: 180111.67



SITE PLAN		
PAUL'S AMOCO TANK REMOVAL / SPILL INVESTIGATION DE SOTO, WISCONSIN		
CENTRAL WISCONSIN ENGINEERS, INC. 	Scale: 1" = 20'	FIGURE 2 PROJECT 77389
	Drawn: J.L.	
	Approved: H.Z., G.P.	
	Date: 6/89	

HNU PHOTOIONIZATION FIELD TESTING RESULTS

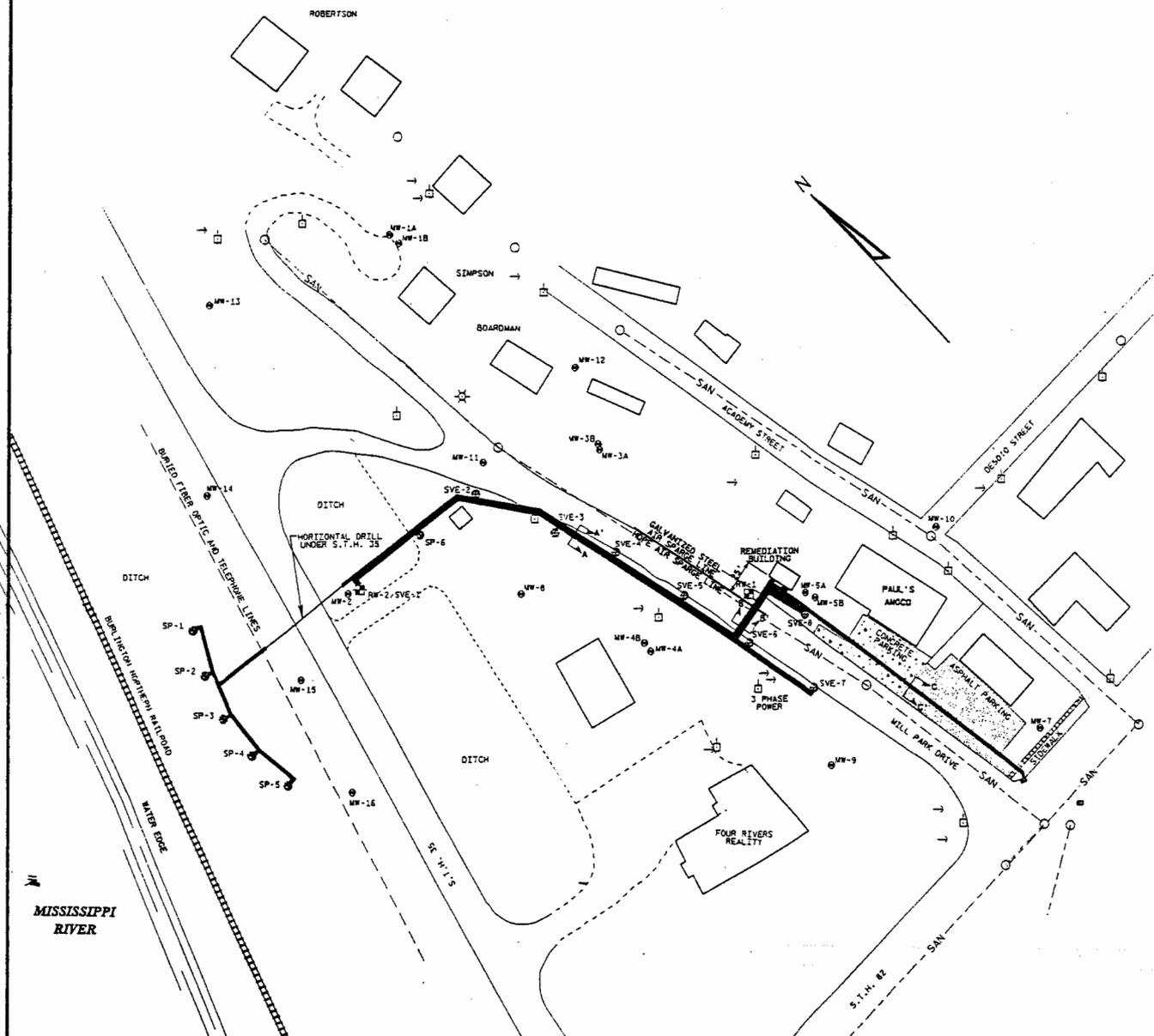
TEST NO.	DEPTH (FT.)	READING (PPM)
1	6.0	20.0
2	6.0	14.0
3	6.0	18.0
4	10.0	23.0
5	11.0	22.0
6	11.0	11.0
7	11.0	60.0
8	11.5	75.0



SOIL SAMPLE LOCATIONS	
PAUL'S AMOCO TANK REMOVAL / SPILL INVESTIGATION DE SOTO, WISCONSIN	
CENTRAL WISCONSIN ENGINEERS, INC. 	Scale: 1" = 5' Drawn: J.L. Approved: H.Z., G.P. Date: 6/89
FIGURE 3 PROJECT 7738	

LEGEND

- ⊙ SOIL VAPOR EXTRACTION WELL
- ⊙ SPARGE WELL
- ⊙ RW-2/SVE-1 RECOVERY/SOIL VAPOR EXTRACTION WELL
- ⊙ MW-2 MONITORING WELL
- ⊙ RW-1 RECOVERY WELL
- ⊙ POWER POLE
- ⊙ GUY WIRE
- ⊙ SANITARY SEWER MANHOLE
- ⊙ STORM SEWER INLET
- ⊙ SANITARY SEWER LINE
- FIBER OPTIC/TELEPHONE LINES
- TRENCH LOCATION
- TRENCH CROSS-SECTION



FILE NAME: I:\011111\011111.dwg
 DATE: 11-28-95
 USER: JLD
 PLOT FILE: P:\HD0001\011111.dwg

FILE NAME: I:\011111\011111.dwg
 DATE: 11-28-95
 USER: JLD
 PLOT FILE: P:\HD0001\011111.dwg

DR. BY: V. NEWMANSON	JULY 95	19-0111-09	NO. DATE	REVISIONS	DR. DATE	SCALE	PROJ. NO.	PLAN PREPARED FOR:	PLANS PREPARED BY:	SOIL AND GROUND WATER TREATMENT SYSTEM SITE PLAN 3	SHEET NO. 3 OF 3 AYRES/CAODS SHEET 100
CHK. BY: M. SMITH			19-0111-10	STUDIED AND REVISED	08/01/96	AS SHOWN	011111	PAUL'S AMOCO MILL PARK DRIVE DE SOTO, WISCONSIN	AYRES ASSOCIATES Engineers/Architects Scientists/Surveyors Open Area & Associates Inc. Madison, Wisconsin		

Table 1
Former Paul's Amoco
Soil Sample Analytical Summary
Geo-Probes 1 - 8
BRRTS # 03-63-000203, PECFA # 54624-9999-26

Location	Sample		Ethyl-			Total	1,2,4 TMB	1,3,5 TMB	MtBE	GRO	
	Depth	Date	Benzene	Benzene	Toluene	Xylene					
on-site	GP-1	2-4'	5/2/2002	140	*	45	76	55	45	*	8.2
	GP-1	12-14'	5/2/2002	41	*	*	*	*	*	*	*
	GP-1	14-16'	5/2/2002	*	*	*	*	*	*	*	2.6
	GP-2	2-4'	5/2/2002	*	*	*	*	*	*	*	*
	GP-3	4-6'	5/2/2002	40	*	*	72	*	46	*	1.6
	GP-3	10-12'	5/2/2002	*	*	*	*	*	*	*	*
on-site	GP-3	14-16'	5/2/2002	*	*	*	*	75	*	*	4.8
	GP-4	10-12'	5/2/2002	470	58	*	1250	190	67	150	6.1
on-site	GP-4	14-16'	5/2/2002	850	110	73	1810	430	150	81	7.1
on-site	GP-5	2-4'	5/2/2002	*	*	*	*	*	*	*	*
on-site	GP-6	2-4'	5/2/2002	*	*	*	*	*	*	*	*
	GP-6	6-8'	5/2/2002	*	*	*	*	*	*	*	*
	GP-7	8-10'	5/2/2002	840	76	110	243	79	53	79	4.2
	GP-7	14-16'	5/2/2002	54	*	*	*	*	*	170	*
	GP-8	4-6'	5/2/2002	48	54	69	159	120	67	*	2.6
	GP-8	10-12'	5/2/2002	85	*	*	78	*	59	*	1.8
NR 720 RCL				5.5	2,900	1,500	4,100	NE	NE	NE	100
NR 746 SSL				8,500	4,600	38,000	42,000	83,000	11,000	NE	NE
NR 746 DCL				1,100	NE	NE	NE	NE	NE	NE	NE

NR 720 RCL = Wisconsin Department of Natural Resources Residual Contaminant Levels (generic)
 NR 746 SSL = Wisconsin Department of Natural Resources Soil Screening Level indicators of petroleum product in soil pores
 NR 746 DCL = Wisconsin Department of Natural Resources Direct Contact Limit for Soil within four (4) feet of ground surface
 PVOC results reported in micrograms per kilogram (ug/kg)
 GRO results reported in milligrams per kilogram (mg/kg)
 * : compound not detected above laboratory method detection limit
 ~ : not analyzed
 TMB : trimethylbenzene
 MtBE : methyl tertiary butyl ether
BOLD : compound detected above NR 720 RCL

Table 2
Groundwater Analytical Summary
Paul's Amoco, De Soto, Wisconsin
Water Table Wells

Sample Location	Collection Date	Ethyl		Total		1,2,4 TMB	1,3,5 TMB	MIBE	Naphthalene	GRO
		Benzene	Benzene	Toluene	Xylenes					
	ES	5	700	1,000	10,000		480	60	40	
	PAL	0.5	140	200	1,000		96	12	8	
MW-1A	3/29/90	64	*	*	282	---	---	---	---	---
	5/29/90	28	*	51	385	---	---	*	---	---
	9/22/93	*	*	*	*	6.2	3.6	1	*	820
	6/1/94	0.7	*	*	*	4.5	1.8	*	1.4	*
	10/6/94	*	1.4	*	*	9.6	4	*	1.5	*
	2/16/95	*	*	*	*	*	*	*	*	*
	9/12/95	*	*	0.9	*	3.2	1.1	*	*	---
	1/2/96	*	*	*	*	*	*	*	*	---
	5/8/96	*	*	*	*	2.69	1.03	*	---	---
	8/14/96	*	*	*	*	*	*	*	---	---
	2/18/97					NOT SAMPLED				
	5/14/97	*	*	*	*	3.7	1.61	*	---	79.3
	8/21/97					NOT SAMPLED				
	12/11/97					NOT SAMPLED				
	4/9/98					NOT SAMPLED				
	7/15/98					NOT SAMPLED				
	10/14/98	*	*	*	*	*	*	*	*	*
	1/13/99	*	*	*	*	*	*	*	---	*
	4/7/99					NOT SAMPLED				
	7/14/99					NOT SAMPLED				
10/6/99					NOT SAMPLED					
1/4/00					NOT SAMPLED					
4/11/00					NOT SAMPLED					
8/16/00					NOT SAMPLED					
12/6/00					NOT SAMPLED					
3/7/01	*	*	*	*	*	*	*	---	18	
MW-2	3/29/90	4,620	203	103	373	---	---	3,390	---	---
	5/29/90	6,600	*	2,200	*	---	---	*	---	---
	9/22/93	1,400	520	28	972	1,100	290	400	190	7,800
	6/1/94	1,150	490	121	1,091	1,340	345	287	238	10,300
	10/6/94	1,240	330	84	*	867	206	324	148	4,870
	2/16/95	362	129	*	69	156	30	84	28	1,900
	9/12/95	722	273	*	273	740	123	252	109	4,290
	1/2/96	355	138	17	87	249	40	97	32	2,640
	5/8/96	345	148	6.94	70.7	334	9.47	110	---	4,150
	8/14/96	230	93	*	41	138	18.4	26.3	21.1	1,320
	2/18/97	58.7	9	*	7	51.9	22.4	27	---	581
	5/14/97	249	36.1	1.02	40.73	100	*	70.2	16.5	919
	8/21/97	51.3	7.25	*	*	*	*	45.3	4.6	307
	12/11/97	21.2	*	1.04	*	*	*	38.2	14.7	351
	4/9/98	*	*	*	*	*	*	5.5	*	52.1
	7/15/98	*	*	*	*	*	*	5.5	*	*
	10/14/98	*	*	*	*	*	*	3.8	*	*
	1/13/99	*	*	*	*	*	*	4.0	---	*
	4/7/99	*	*	*	*	*	*	2.2	---	*
	7/14/99	*	*	*	*	*	*	6.0	---	*
10/6/99	4.4	*	*	*	*	*	6.1	---	220	
1/4/00	3.7	*	0.35	*	*	*	7.4	---	150	
4/11/00	*	*	*	*	*	*	3.5	*	21	
8/16/00	*	*	*	*	*	*	2.2	---	130	
12/6/00	1.8	*	*	*	*	*	3.6	---	200	
3/7/01	*	*	*	*	*	*	2.9	---	96	

results reported in microgram per liter (ug/L)

ES : enforcement standard

PAL : preventative action limit

TMB : trimethylbenzene

MtBE : methyl tertiary butyl ether

* : not detected above laboratory method detection limit

--- : not analyzed

BOLD : compound detected above enforcement standards

Table 2 (cont)
Groundwater Analytical Summary
Paul's Amoco, De Soto, Wisconsin
Water Table Wells

Sample Location	Collection Date		Ethyl		Total					GRO	
			Benzene	Toluene	Xylenes	1,2,4 TMB	1,3,5 TMB	MtBE	Napthalene		
		ES	5	700	1,000	10,000	480	60	40		
		PAL	0.5	140	200	1,000	96	12	8		
MW-3A	3/22/95		794	3.7	12	173	57	37	178	32	2,920
	9/12/95		242	4.7	*	12.8	32.5	5.74	*	54.1	1,760
	1/2/96		*	*	*	*	*	*	*	*	*
	5/8/96		54.7	*	*	*	*	*	12.8	10.8	667
	8/14/96		181	2.78	3.03	5.88	2.25	*	24.8	29.7	1,320
	2/18/97		150	*	*	2.5	2	18.3	49	---	475
	5/14/97		35.4	*	*	*	*	1.89	13	5.8	134
	8/21/97		100	*	*	11.4	*	12	*	19.2	342
	12/11/97		5.78	*	*	*	*	*	4.41	*	*
	4/9/98		20.7	*	*	3.39	*	*	6.62	3.34	120
	7/15/98		16	*	*	0.7	*	*	3.5	2.6	53
	10/14/98		3.5	*	*	*	*	*	2.3	*	*
	1/13/99		*	*	*	*	*	*	2.5	*	*
	4/7/99		1.0	*	*	*	*	*	9.1	*	*
	7/14/99		42	*	*	0.72	*	*	9.7	---	120
	10/6/99		11	*	*	*	*	*	11	*	*
	1/4/00		0.97	*	*	*	*	*	5.1	*	*
	4/11/00		2.3	*	*	*	*	*	3.1	*	*
	8/16/00		17	*	*	*	*	*	7.3	4.1	64
	12/6/00		10	*	*	*	*	*	9.7	*	44
	3/7/01		7.9	*	*	*	*	*	2.6	*	18
MW-4A	3/29/90		*	*	*	*	---	---	3.5	---	---
	5/29/90		*	*	*	*	---	---	*	---	---
	9/22/93		3.1	*	*	*	*	*	*	*	*
	6/1/94		*	*	*	*	*	*	*	*	*
	10/6/94		*	*	*	*	*	*	*	*	*
	2/16/95		*	*	*	*	*	*	*	*	*
	9/12/95		1.6	*	1	*	*	*	*	*	---
	1/2/96		*	*	*	*	*	*	*	*	---
	5/8/96		*	*	*	*	*	*	*	---	---
	8/14/96		0.802	*	*	*	*	*	*	---	---
	2/18/97		*	*	*	*	*	*	*	---	*
	5/14/97		*	*	*	*	*	*	*	---	*
	8/21/97		*	*	*	*	*	*	*	---	*
	12/11/97		*	*	*	*	*	*	*	---	*
	4/9/98		*	*	*	*	*	*	*	---	*
	7/15/98		*	*	*	*	*	*	*	---	*
	10/14/98		*	*	*	*	*	*	*	---	*
	1/13/99		*	*	*	*	*	*	*	---	*
	4/7/99		*	*	*	*	*	*	*	---	*
	7/14/99		*	*	*	*	*	*	*	---	*
	10/6/99		*	*	*	*	*	*	*	---	*
	1/4/00		*	*	*	*	*	*	*	---	*
	4/11/00		*	*	*	*	*	*	*	---	*
	8/16/00		*	*	*	*	*	*	*	---	*
	12/6/00		*	*	*	*	*	*	*	---	*
	3/7/01		*	*	*	*	*	*	*	---	*

results reported in microgram per liter (ug/L)

ES : enforcement standard

PAL : preventative action limit

TMB : trimethylbenzene

MtBE : methyl tertiary butyl ether

* : not detected above laboratory method detection limit

--- : not analyzed

BOLD : compound detected above enforcement standards

Table 2 (cont)
Groundwater Analytical Summary
Paul's Amoco, De Soto, Wisconsin
Water Table Wells

Sample Location	Collection Date	Ethyl			Total		1,2,4 TMB	1,3,5 TMB	MtBE	Naphthalene	GRO
		Benzene	Benzene	Toluene	Xylenes	Xylenes					
	ES	5	700	1,000	10,000		480	60	40		
	PAL	0.5	140	200	1,000		96	12	8		
MW-5A	3/29/90	8,290	1,270	12,200	10,760	---	---	8,220	---	---	
	5/29/90	3,600	800	11,000	5,600	---	---	*	---	---	
	9/22/93	2,700	1,300	12,000	7,300	1,800	510	600	510	44,000	
	6/1/94	1,020	679	2,310	3,910	1,090	304	399	229	23,100	
	10/6/94	1,100	702	2,610	3,820	1,240	337	236	222	19,600	
	2/16/95	877	681	2,370	3,737	1,560	447	232	340	23,100	
	9/12/95	541	533	1,630	2,794	949	266	*	190	10,100	
	1/2/96	654	541	1,760	2,884	1,090	322	265	199	15,700	
	5/8/96	1,228	1,102	5,311	5,798	1,844	503	152	364	7,200	
	8/14/96	385	510	1,790	3,118	910	259	*	231	10,200	
	2/18/97	498	607	2,010	3,160	1,100	317	*	---	11,800	
	5/14/97	273	443	1,480	3,155	1,968	661	*	307	18,600	
	8/21/97	271	470	1,210	2,526	1,060	319	127	153	11,800	
	12/11/97	323	579	1,590	3,164	1,160	341	*	194	12,500	
	4/9/98	480	685	1,780	3,618	1,490	448	183	334	18,700	
	7/15/98	290	500	950	2,750	1,000	330	120	270	14,000	
	10/14/98	200	380	550	2,020	900	280	70	220	8,000	
	1/13/99	240	500	800	2,800	1,100	330	130	140	12,000	
	4/7/99	460	650	1,200	3,300	1,400	480	62	300	18,000	
	7/14/99	100	200	170	970	640	220	53	---	6,400	
	10/6/99	320	780	1,100	3,510	1,500	450	100	340	19,000	
	1/4/00	150	440	500	1,380	1,200	410	62	280	13,000	
	4/11/00	160	570	670	3,040	1,400	440	89	250	10,000	
	8/16/00	96	390	220	2,120	1,100	330	49	200	8,800	
	12/6/00	32	190	160	1,170	650	190	*	110	5,600	
	3/7/01	39	210	120	1,140	640	220	24	140	6,600	
MW-8	3/22/95	3.6	*	*	5.9	3.8	*	182	*	464	
	9/12/95	0.7	*	1.2	5.9	2.9	*	153	*	100	
	1/2/96	*	*	*	3.0	*	*	138	*	*	
	5/8/96	*	*	*	2.04	1.17	*	114	*	55.8	
	8/14/96	42	4.47	4.33	7.26	1.91	*	171	1.37	150	
	2/18/97	*	*	*	1.3	*	*	108	---	50.2	
	5/14/97	2.09	*	*	1.14	*	*	120	*	69.2	
	8/21/97	*	*	*	*	*	*	113	---	60	
	12/11/97	*	*	*	*	*	*	83.5	---	*	
	4/9/98	*	*	*	*	*	*	49	*	60	
	7/15/98	*	*	*	*	*	*	42	*	37	
	10/14/98	*	*	*	*	*	*	43	*	*	
	1/13/99	*	*	*	*	*	*	42	---	35	
	4/7/99	*	*	*	*	*	*	38	---	*	
	7/14/99	*	*	*	*	*	*	32	---	*	
	10/6/99	*	*	*	*	*	*	27	---	*	
	1/4/00	*	*	*	*	*	*	18	---	*	
	4/11/00	*	*	*	*	*	*	30	---	21	
	8/16/00	*	*	*	*	*	*	23	---	21	
	12/6/00	*	*	*	*	*	*	31	---	20	
	3/7/01	*	*	*	*	*	*	27	---	33	

results reported in microgram per liter (ug/L)

ES : enforcement standard

PAL : preventative action limit

TMB : trimethylbenzene

MtBE : methyl tertiary butyl ether

* : not detected above laboratory method detection limit

--- : not analyzed

BOLD : compound detected above enforcement standards

Table 2 (cont)
Groundwater Analytical Summary
Paul's Amoco, De Soto, Wisconsin
Water Table Wells

Sample Location	Collection Date	Ethyl		Total			1,2,4 TMB	1,3,5 TMB	MtBE	Naphthalene	GRO
		Benzene	Benzene	Toluene	Xylenes						
	ES	5	700	1,000	10,000		480		60	40	
	PAL	0.5	140	200	1,000		96		12	8	
MW-9	3/22/95	*	*	*	*	*	*	*	3.8	*	*
	9/12/95	*	*	*	*	*	*	*	*	*	*
	1/2/96	*	*	*	*	*	*	*	*	*	---
	5/8/96	*	*	*	*	*	*	*	*	*	---
	8/14/96	*	*	*	*	*	*	*	*	*	---
	2/18/97	NOT SAMPLED									
	5/14/97	*	*	*	*	*	*	*	*	*	*
	8/21/97	NOT SAMPLED									
	12/11/97	NOT SAMPLED									
	4/9/98	NOT SAMPLED									
	7/15/98	*	*	*	*	*	*	*	18	*	*
	10/14/98	*	*	*	*	*	*	*	24	*	*
	1/13/99	*	*	*	*	*	*	*	2.8	---	*
	4/7/99	*	*	*	*	*	*	*	12	---	*
	7/14/99	*	*	*	*	*	*	*	4.8	---	*
	10/6/99	*	*	*	*	*	*	*	5.8	---	*
	1/4/00	*	*	*	*	*	*	*	2.4	---	*
	4/11/00	*	*	*	*	*	*	*	0.46	---	*
	8/16/00	*	*	*	*	*	*	*	*	---	*
	12/6/00	*	*	*	*	*	*	*	*	---	*
3/7/01	*	*	*	*	*	*	*	0.94	---	*	
MW-10	9/12/95	2.1	1	*	3.9	3.2	1.1	*	1.4	69	
	1/2/96	2.8	0.6	*	2.9	10	3	*	1.1	*	
	5/8/96	0.69	*	*	*	2.63	1.42	*	*	*	
	8/14/96	1.22	*	*	1.19	7.29	2.22	*	*	59.9	
	2/18/97	NOT SAMPLED									
	5/14/97	0.935	*	*	*	2.91	1.27	*	---	59	
	8/21/97	NOT SAMPLED, WELL ABANDONED DUE TO ROAD CONSTRUCTION									
MW-11	3/22/95	514	98	306	323	248	66	156	40	2,900	
	9/12/95	374	68.3	215	161.9	185	46.8	133	31.8	3,690	
	1/2/96	302	46	127	127	80	17	*	15	1,370	
	5/8/96	320	99.7	94.9	213.3	210	33.8	79.1	40	2,550	
	8/14/96	251	*	*	*	*	*	*	*	457	
	2/18/97	367	57.8	75.5	116.2	89.4	14.3	98.9	---	1,250	
	5/14/97	204	56.9	10.3	80.9	76.7	5.78	69.8	28.2	1,140	
	8/21/97	264	41	30.5	64.4	53.8	*	80.3	6.99	1,030	
	12/11/97	7.97	3.74	1.1	*	1.1	*	16.6	*	123	
	4/9/98	28.2	3.28	2.78	11.33	4.94	1.37	*	*	167	
	7/15/98	55	8.5	1.6	9.6	13	2	23	4.2	400	
	10/14/98	45	15	0.4	0.8	0.4	*	40	*	340	
	1/13/99	140	43	6.7	19.8	4.1	0.8	100	5.7	1,000	
	4/7/99	7.5	0.9	0.26	1.51	*	*	10	*	86	
	7/14/99	5.1	0.66	*	*	*	*	4.7	---	*	
	10/6/99	210	77	11	17.4	5.6	1.6	99	14	1,400	
	1/4/00	3.1	0.43	*	*	*	*	9.4	*	*	
	4/11/00	*	*	*	*	*	*	*	*	*	
	8/16/00	5	*	*	*	0.61	*	12	*	47	
	12/6/00	13	1.6	*	*	*	*	16	*	73	
3/7/01	30	8.7	1.9	3.2	2.3	*	14	1.8	210		

results reported in microgram per liter (ug/L)

ES : enforcement standard

PAL : preventative action limit

TMB : trimethylbenzene

MtBE : methyl tertiary butyl ether

* : not detected above laboratory method detection limit

--- : not analyzed

BOLD : compound detected above enforcement standards

Table 2 (cont)
 Groundwater Analytical Summary
 Paul's Amoco, De Soto, Wisconsin
 Water Table Wells

Sample Location	Collection Date	Ethyl		Total			1,2,4 TMB	1,3,5 TMB	MtBE	Naphthalene	GRO
		Benzene	Benzene	Toluene	Xylenes						
	ES	5	700	1,000	10,000		480	60	40		
	PAL	0.5	140	200	1,000		96	12	8		
MW-12	9/12/95	*	*	0.7	*	*	*	*	*	*	
	1/2/96	*	*	*	*	*	*	*	*	*	
	5/8/96	*	*	*	*	*	*	*	---	---	
	8/14/96	*	*	*	*	*	*	*	---	---	
	2/18/97					NOT SAMPLED					
	5/14/97	*	*	*	*	*	*	*	---	*	
	8/21/97					NOT SAMPLED					
	12/11/97					NOT SAMPLED					
	4/9/98					NOT SAMPLED					
	7/15/98	*	*	*	*	*	*	*	*	*	
	10/14/98	*	*	*	*	*	*	*	*	*	
	1/13/99					NOT SAMPLED					
	4/7/99					NOT SAMPLED					
	7/14/99					NOT SAMPLED					
	10/6/99					NOT SAMPLED					
	1/4/00					NOT SAMPLED					
	4/11/00					NOT SAMPLED					
8/16/00					NOT SAMPLED						
12/6/00	*	*	*	*	*	*	*	*	---		
3/7/01	*	*	*	*	*	*	*	*	---		
MW-13	9/12/95	31.8	338	124	445	1,413	373	*	196	7,840	
	1/2/96	31	271	47	290	1,040	328	*	141	8,530	
	5/8/96	*	161	12.7	167.7	757	205	*	79.3	6,100	
	8/14/96	5.75	193	11.7	164.1	834	282	*	102	4,900	
	2/18/97	25.1	167	*	99.1	702	233	*	---	3,880	
	5/14/97					NOT SAMPLED					
	8/21/97					NOT SAMPLED					
	12/11/97					NOT SAMPLED					
	4/9/98					NOT SAMPLED					
	7/15/98					NOT SAMPLED					
10/14/98	*	100	9	23	140	22	41	8.5	2,400		
					NOT SAMPLED AFTER 10/14/98						
RW-1	7/14/99	28	2.6	2.1	6.9	2.1	0.76	48	---	100	
	10/6/99	32	5.2	4.5	18.7	7.6	2.5	120	6.2	250	
	1/4/00					NOT SAMPLED					
	4/11/00	350	53	57	126	53	18	370	26	1,100	
	8/16/00	430	59	11	85	51	20	560	32	1,700	
	12/6/00	110	10	*	12	16	*	420	*	720	
	3/7/01	130	24	15	31	13	5.7	280	7.8	810	

results reported in microgram per liter (ug/L)

ES : enforcement standard

PAL : preventative action limit

TMB : trimethylbenzene

MtBE : methyl tertiary butyl ether

* : not detected above laboratory method detection limit

--- : not analyzed

BOLD : compound detected above enforcement standards

Table 2 (cont)
 Groundwater Analytical Summary
 Paul's Amoco, De Soto, Wisconsin
 Water Table Wells

Sample Location	Collection Date	Ethyl		Total			1,2,4 TMB	1,3,5 TMB	MTBE	Naphthalene	GRO
		Benzene	Benzene	Toluene	Xylenes						
	ES	5	700	1,000	10,000		480		60	40	
	PAL	0.5	140	200	1,000		96		12	8	
MW-14	9/12/95	*	*	0.6	*	*	*	*	*	*	*
	1/2/96	*	*	*	*	*	*	*	*	*	*
	5/8/96	*	*	*	*	*	*	*	*	*	*
	8/14/96	1.24	*	*	*	*	*	*	*	*	*
	2/18/97	*	*	*	*	*	*	*	*	*	*
	5/14/97	*	*	*	*	*	*	*	*	*	*
	8/21/97	*	*	*	*	*	*	*	*	*	*
	12/11/97	*	*	*	*	*	*	*	*	*	*
	4/9/98	*	*	*	*	*	*	*	*	*	*
	7/15/98	*	*	*	*	*	*	*	*	*	*
	10/14/98	*	*	*	*	*	*	*	*	*	*
	1/13/99	*	*	*	*	*	*	*	*	*	*
	4/7/99	*	*	*	*	*	*	*	*	*	*
	7/14/99	*	*	*	*	*	*	*	*	*	*
	10/6/99	*	*	*	*	*	*	*	*	*	*
	1/4/00	*	*	*	*	*	*	*	*	*	*
4/11/00	*	*	*	*	*	*	*	*	*	*	
8/16/00	*	*	*	*	*	*	*	*	*	*	
12/6/00	*	*	*	*	*	*	*	*	*	*	
3/7/01	*	*	*	*	*	*	*	*	*	*	
MW-15	9/12/95	19.5	1.1	*	14.7		83.8	17.5	*	14.1	771
	1/2/96	17	*	*	*		4.3	*	13	*	34.3
	5/8/96	49.9	*	*	*		*	*	21.2	*	179
	8/14/96	308	93.7	9.27	119.9		474	146	44.9	50.4	3,080
	2/18/97	7.2	*	*	*		6.8	*	4.2	*	186
	5/14/97	304	73	23.4	130.7		54.2	9.47	151	6.79	1,570
	8/21/97	18.4	*	*	*		4.21	*	37.1	3.83	187
	12/11/97	60.3	*	4.73	*		3.18	*	61.4	11.2	602
	4/9/98	1.49	*	*	*		*	*	10.6	*	221
	7/15/98	0.9	*	*	*		*	*	14	2.4	54
	10/14/98	*	*	*	*		*	*	9.1	*	*
	1/13/99	*	*	*	*		*	*	1.4	*	*
	4/7/99	*	*	*	*		*	*	1.3	*	*
	7/14/99	*	*	*	*		*	*	3.1	*	*
	10/6/99	*	*	*	*		*	*	4.6	*	*
	1/4/00	*	*	*	*		*	*	1	*	*
4/11/00	*	*	*	*		*	*	0.7	*	*	
8/16/00	*	*	*	*		*	*	5.9	*	*	
12/6/00	*	*	*	*		*	*	1.4	*	*	
3/7/01	*	*	*	*		*	*	3.2	*	25	
MW-16	9/12/95	*	*	*	*		*	*	*	*	*
	1/2/96	*	*	*	*		*	*	*	*	*
	5/8/96	*	*	*	*		*	*	*	*	*
	8/14/96	*	*	*	*		*	*	*	*	*
	2/18/97	*	*	*	*		NOT SAMPLED	*	*	*	*
	5/14/97	*	*	*	*		*	*	*	*	*
	8/21/97	*	*	*	*		NOT SAMPLED	*	*	*	*
	12/11/97	*	*	*	*		NOT SAMPLED	*	*	*	*
	4/9/98	*	*	*	*		NOT SAMPLED	*	*	*	*
	7/15/98	*	*	*	*		NOT SAMPLED	*	*	*	*
	10/14/98	*	*	*	*		*	*	*	*	*
	1/13/99	*	*	*	*		*	*	*	*	*
	4/7/99	*	*	*	*		*	*	*	*	*
	7/14/99	*	*	*	*		*	*	*	*	*
	10/6/99	*	*	*	*		*	*	*	*	*
	1/4/00	*	*	*	*		*	*	*	*	*
4/11/00	*	*	*	*		*	*	*	*	*	
8/16/00	*	*	*	*		*	*	*	*	*	
12/6/00	*	*	*	*		*	*	*	*	*	
3/7/01	*	*	*	*		*	*	*	*	*	

results reported in microgram per liter (ug/L)
 ES : enforcement standard
 PAL : preventative action limit
 TMB : trimethylbenzene
 MBE : methyl tertiary butyl ether
 * : not detected above laboratory method detection limit
 --- : not analyzed
BOLD : compound detected above enforcement standards

Table 3
Groundwater Analytical Summary
Paul's Amoco, De Soto, Wisconsin
Bedrock Piezometers

Sample Location	Collection Date	Ethyl		Total			1,2,4 TMB	1,3,5 TMB	MtBE	Naphthalene	GRO
		Benzene	Benzene	Toluene	Xylenes						
	ES	5	700	1,000	10,000		480	60	40		
	PAL	0.5	140	200	1,000		96	12	8		
MW-1B	3/29/90	*	*	*	*	---	---	*	---	*	
	5/29/90	*	*	*	*	---	---	*	---	*	
	9/22/93	*	*	*	*	*	*	*	*	*	
	6/1/94	*	*	*	*	*	*	*	*	*	
	10/6/94	*	*	*	*	*	*	*	*	*	
	2/16/95	*	*	*	*	*	*	*	*	*	
	9/12/95	*	*	0.8	*	*	*	*	*	*	
	1/2/96	*	*	*	*	*	*	*	*	---	
	5/8/96	*	*	*	*	*	*	*	*	---	
	8/14/96	*	*	*	*	*	*	*	*	---	
	2/18/97					NOT SAMPLED					
	5/14/97	*	*	*	*	*	*	*	*	*	
	8/21/97					NOT SAMPLED					
	12/11/97					NOT SAMPLED					
	4/9/98					NOT SAMPLED					
	7/15/98					NOT SAMPLED					
	10/14/98	*	*	*	*	*	*	*	*	*	
	1/13/99					NOT SAMPLED					
	4/7/99					NOT SAMPLED					
	7/14/99					NOT SAMPLED					
	10/6/99					NOT SAMPLED					
1/4/00					NOT SAMPLED						
4/11/00					NOT SAMPLED						
8/16/00					NOT SAMPLED						
12/6/00					NOT SAMPLED						
3/7/01	*	*	*	*	*	*	*	*	---	*	
MW-3B	3/29/90	*	*	*	*	---	---	4.3	---	---	
	5/29/90	*	*	*	*	---	---	*	---	---	
	9/22/93	*	*	*	*	*	*	*	*	*	
	6/1/94	*	*	*	*	*	*	*	*	*	
	10/6/94	*	*	*	*	*	*	*	*	*	
	2/16/95	*	*	*	*	*	*	*	*	*	
	9/12/95	*	*	0.8	*	*	*	*	*	*	
	1/2/96	*	*	*	*	*	*	*	*	---	
	5/8/96	*	*	*	*	*	*	*	*	---	
	8/14/96	*	*	*	*	*	*	*	*	---	
	2/18/97					NOT SAMPLED					
	5/14/97	*	*	*	*	*	*	*	*	*	
	8/21/97					NOT SAMPLED					
	12/11/97					NOT SAMPLED					
	4/9/98					NOT SAMPLED					
	7/15/98	*	*	*	*	*	*	*	*	*	
	10/14/98	*	*	*	*	*	*	*	*	*	
	1/13/99	*	*	*	*	*	*	*	*	*	
	4/7/99	*	*	*	*	*	*	*	*	*	
	7/14/99	*	*	*	*	*	*	*	*	*	
	10/6/99					NOT SAMPLED					
1/4/00	*	*	*	*	*	*	*	*	---		
4/11/00					NOT SAMPLED						
8/16/00	*	*	*	*	*	*	*	*	---		
12/6/00					NOT SAMPLED						
3/7/01	*	*	*	*	*	*	*	*	---	*	

results reported in microgram per liter (ug/L)

ES : enforcement standard

PAL : preventative action limit

TMB : trimethylbenzene

MtBE : methyl tertiary butyl ether

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BOLD : compound detected above enforcement standards

Table 3 (cont)
 Groundwater Analytical Summary
 Paul's Amoco, De Soto, Wisconsin
 Bedrock Piezometers

Sample Location	Collection Date	Ethyl			Total			MtBE	Naphthalene	GRO	
		Benzene	Benzene	Toluene	Xylenes	1,2,4 TMB	1,3,5 TMB				
	ES	5	700	1,000	10,000		480	60	40		
	PAL	0.5	140	200	1,000		96	12	8		
MW-4B	3/22/95	*	*	*	*	*	*	*	*	*	
	9/12/95	*	*	*	*	*	*	*	*	*	
	1/2/96	692	*	*	85	*	*	2,310	*	---	
	5/8/96	1,209	*	*	*	*	*	2,137	*	---	
	8/14/96	686	*	*	31.6	*	*	447	*	1,810	
	2/18/97	32.4	*	*	*	*	*	47.9	---	*	
	5/14/97	*	*	*	*	*	*	*	*	*	
	8/21/97	*	*	*	*	*	*	4.41	---	*	
	12/11/97	*	*	*	*	*	*	7.23	---	*	
	4/9/98	*	*	*	*	*	*	*	---	*	
	7/15/98	*	*	*	*	*	*	*	*	*	
	10/14/98	*	*	*	*	*	*	*	*	*	
	1/13/99	*	*	*	*	*	*	*	---	*	
	4/7/99	*	*	*	*	*	*	*	---	*	
	7/14/99	*	*	*	*	*	*	*	---	*	
	10/6/99					NOT SAMPLED					
	1/4/00	*	*	*	*	*	*	*	---	*	
	4/11/00					NOT SAMPLED					
8/16/00	11	*	*	3.3	*	*	33	---	170		
12/6/00	*	*	*	*	*	*	88	*	45		
3/7/01	*	*	*	*	*	*	34	*	24		
MW-5B	3/29/90	*	*	*	*	---	---	6.55	---	---	
	5/29/90	*	*	*	*	---	---	*	---	---	
	9/22/93	*	*	*	*	*	*	*	*	*	
	6/1/94	*	*	*	*	*	*	*	*	*	
	10/6/94	*	*	*	*	*	*	*	*	*	
	2/16/95	*	*	*	*	*	*	*	*	*	
	9/12/95	*	*	0.7	*	*	*	*	*	---	
	1/2/96	*	*	*	*	*	*	*	*	---	
	5/8/96	*	*	*	*	*	*	*	---	---	
	8/14/96	*	*	*	*	*	*	*	---	---	
	2/18/97					NOT SAMPLED					
	5/14/97	*	*	*	*	*	*	*	---	*	
	8/21/97					NOT SAMPLED					
	12/11/97					NOT SAMPLED					
	4/9/98					NOT SAMPLED					
	7/15/98	*	*	*	*	*	*	*	*	*	
	10/14/98	*	*	*	*	*	*	*	*	*	
	1/13/99	*	*	*	*	*	*	*	---	*	
4/7/99	*	*	*	*	*	*	*	---	*		
7/14/99	*	*	*	*	*	*	*	---	*		
10/6/99					NOT SAMPLED						
1/4/00	*	*	*	*	*	*	*	---	*		
4/11/00					NOT SAMPLED						
8/16/00	*	*	*	*	*	*	*	---	*		
12/6/00					NOT SAMPLED						
3/7/01	*	*	*	*	*	*	*	---	*		

results reported in microgram per liter (ug/L)
 ES : enforcement standard
 PAL : preventative action limit
 TMB : trimethylbenzene
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Table 3 (cont)
 Groundwater Analytical Summary
 Paul's Amoco, De Soto, Wisconsin
 Bedrock Piezometers

Sample Location	Collection Date		Ethyl			Total		MtBE	Naphthalene	GRO	
			Benzene	Benzene	Toluene	Xylenes	1,2,4 TMB				1,3,5 TMB
		ES	5	700	1,000	10,000	480	60	40		
		PAL	0.5	140	200	1,000	96	12	8		
MW-7	3/29/90		*	*	*	*	---	---	*	---	
	5/29/90		*	*	*	*	---	---	*	---	
	9/22/93		*	*	*	*	*	*	*	*	
	6/1/94		*	*	*	*	*	*	*	*	
	10/6/94		*	*	*	*	*	*	*	*	
	2/16/95		*	*	*	*	*	*	*	*	
	9/12/95		*	*	*	*	*	*	*	---	
	1/2/96		*	*	*	*	*	*	*	---	
	5/8/96		*	*	*	*	*	*	*	---	
	8/14/96		*	*	*	*	*	*	*	---	
	2/18/97						NOT SAMPLED				
	5/14/97		*	*	*	*	*	*	*	*	
	8/21/97						NOT SAMPLED				
	12/11/97						NOT SAMPLED				
	4/9/98						NOT SAMPLED				
	7/15/98		*	*	*	*	*	*	*	*	
	10/14/98		*	*	*	*	*	*	*	*	
	1/13/99		*	*	*	*	*	*	*	*	
	4/7/99		*	*	*	*	*	*	*	*	
	7/14/99		*	*	*	*	*	*	*	*	
10/6/99						NOT SAMPLED					
1/4/00		*	*	*	*	*	*	*	*		
4/11/00						NOT SAMPLED					
8/16/00		*	*	*	*	*	*	*	*		
12/6/00						NOT SAMPLED					
12/6/00		*	*	*	*	*	*	*	*		

results reported in microgram per liter (ug/L)

ES : enforcement standard

PAL : preventative action limit

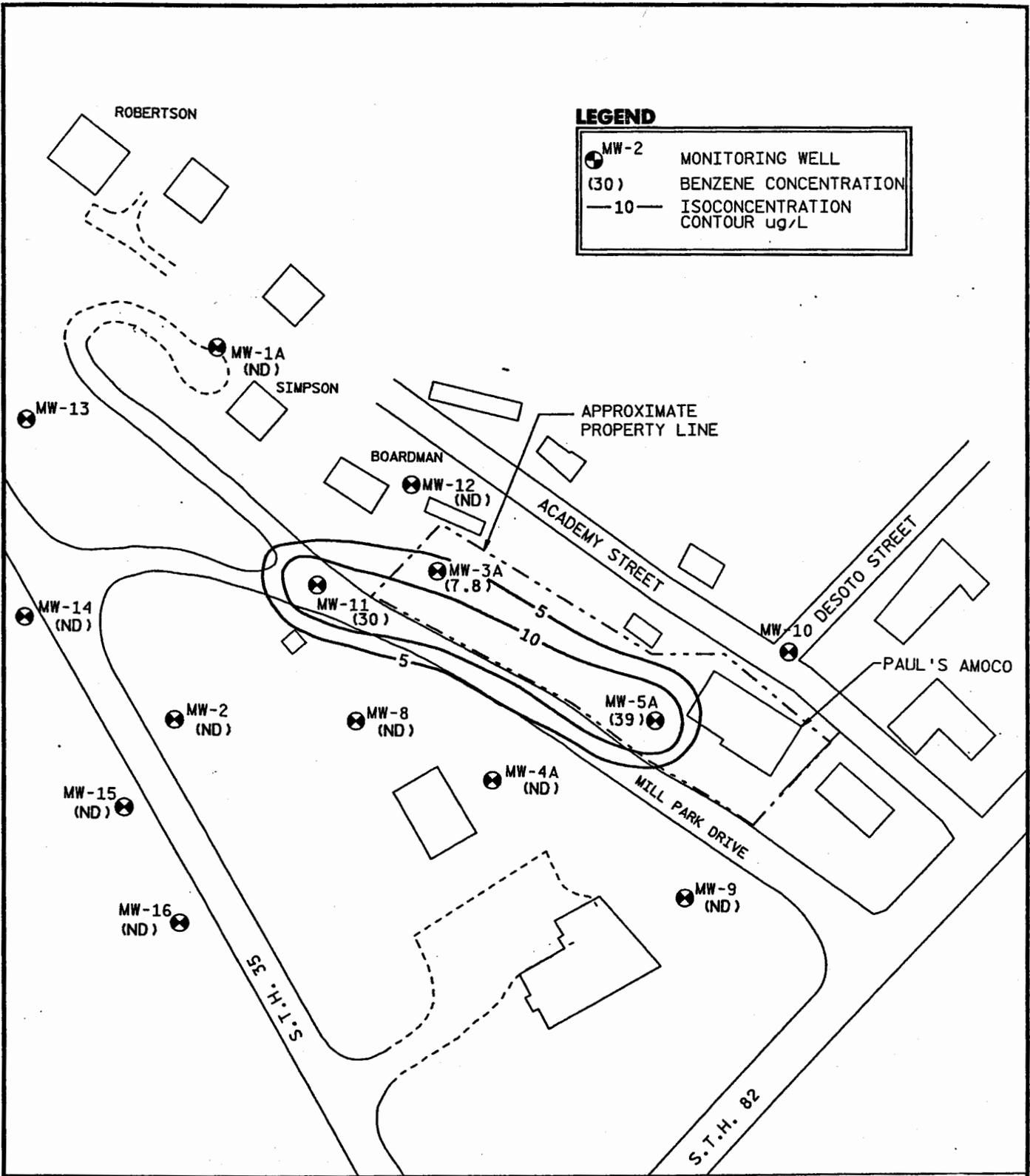
TMB : trimethylbenzene

MtBE : methyl tertiary butyl ether

* : not detected above laboratory method detection limit

--- : not analyzed

BOLD : compound detected above enforcement standards



LEGEND

- MW-2 MONITORING WELL
- (30) BENZENE CONCENTRATION
- 10- ISOCONCENTRATION CONTOUR ug/L

AYRES
ASSOCIATES



MAPPING SOURCE:
AYRES CADD FILES



ISOCONCENTRATION MAP OF BENZENE IN THE WATER TABLE AQUIFER (03-07-01)

PAUL'S AMOCO
DESOTO, WISCONSIN
DATE: 10-18-01
JOB NUMBER: 180111.30

PEN TABLE = #Plot+tbl+1055c+djenv80.tbl
 DATE OF PLOT: 10/18/01
 DESIGN FILE = m:\sdgn\0111\18011130\wd\01113024.DGN
 CREATED BY
 DGN LEVELS ON = 1-10,12,13,15,17-27,29-59,61,62
 PLOT FILE = P:\1055COLR\01113024.pr1

Table 4 (cont)
 Former Paul's Amoco
 Groundwater Elevations
 BRRTS # 03-63-000203, PECFA # 54624-9999-26

WATER TABLE AQUIFER DATA

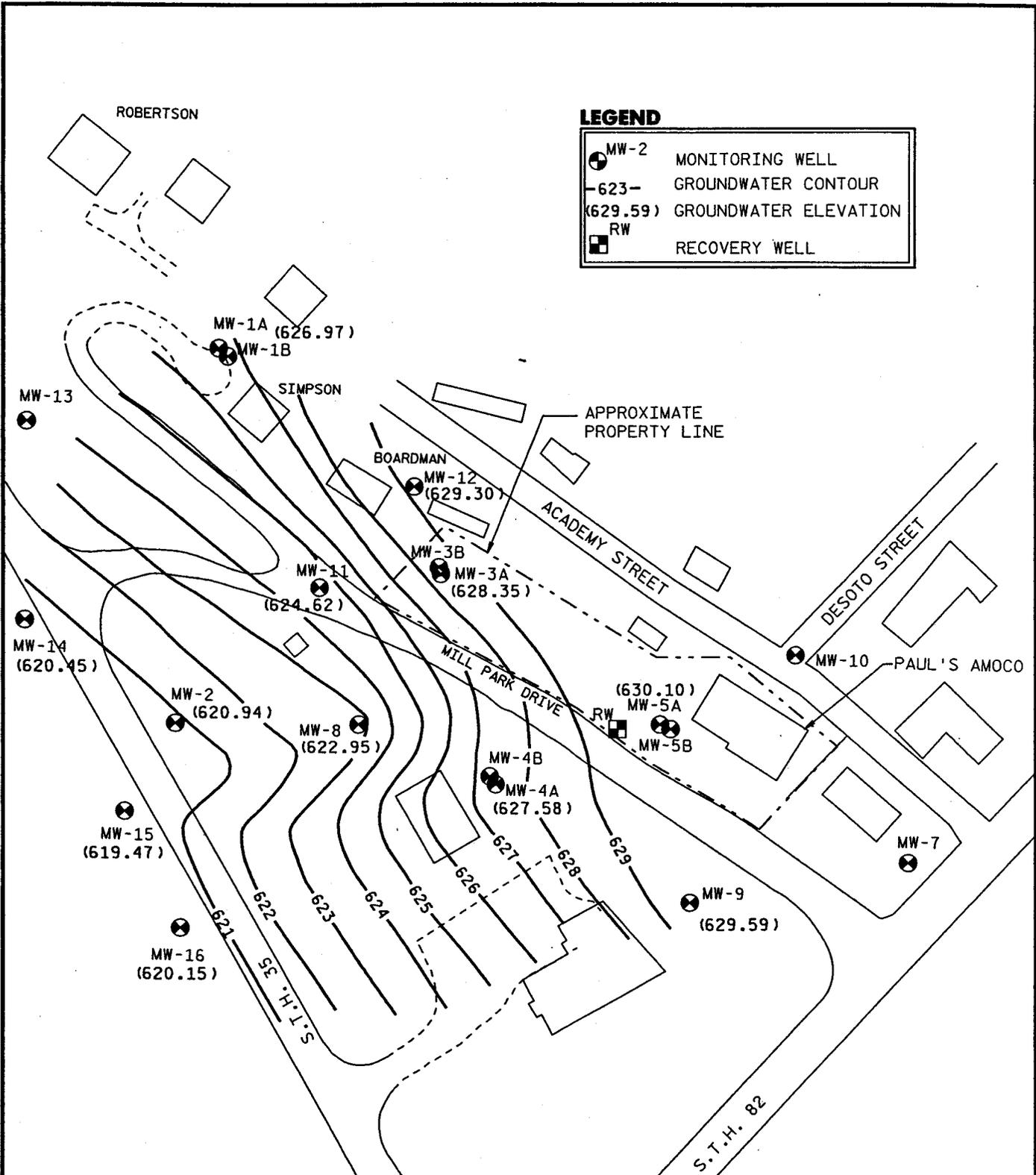
	2/18/97	5/13/97	8/21/97	12/11/97	4/9/98	7/15/98	10/14/98	1/13/99	4/7/99	7/13/99	10/6/99	1/5/00	4/11/00	8/16/00	12/6/00	3/7/01
MW-1A	627.14	628.67	627.03	---	629.97	627.98	626.65	626.65	627.10	627.61	626.70	626.57	626.56	---	---	626.97
MW-2	622.39	624.4	621.81	620.82	626.59	623.29	620.74	620.8	622.13	622.67	620.92	620.76	620.99	620.68	620.99	620.94
MW-3A	628.89	630.15	628.7	628.09	630.97	629.49	628.12	628.17	628.19	628.97	627.97	627.97	627.98	629.51	628.68	628.35
MW-4A	627.7	629.64	627.73	626.85	629.63	629.14	627.3	627.18	627.64	628.19	627.05	626.95	627.05	628.19	627.65	627.58
MW-5A	630.41	632.13	630.32	629.42	632.27	631.43	629.62	629.52	629.84	630.71	629.67	629.52	629.52	631.44	630.6	630.1
MW-8	623.53	626.13	623.4	622.1	627.23	625.33	622.43	622.6	623.77	624.48	622.74	621.99	622.45	623.48	622.97	622.95
MW-9	629.77	631.64	629.87	---	631.63	630.84	629.12	629.09	629.28	630.2	629.07	628.99	629.05	630.78	629.83	629.59
MW-10	630.32	632.59	WELL ABANDONED													
MW-11	625.21	627.13	624.99	624.22	628.89	626.13	624.26	624.42	625.23	625.54	624.26	624.2	624.13	625.04	624.6	624.62
MW-12	629.66	631.38	629.65	---	631.68	630.47	628.93	628.83	629.25	629.98	629.06	628.67	628.72	---	629.62	629.3
MW-13	625.1	627.01	---	---	628.84	625.96	624.07	627.32	625.17	625.4	624.1	624.04	624.16	---	---	---
MW-14	621.51	623.98	621.19	620.44	626.24	622.7	620.23	620.58	621.70	622.08	620.39	620.33	620.53	620.20	620.43	620.45
MW-15	620.8	622.46	620.11	619.44	625.3	621.22	619.26	619.41	620.55	620.91	619.24	619.35	619.5	619.03	619.45	619.47
MW-16	621.28	622.84	620.15	---	624.42	622.16	619.88	620.46	621.94	621.94	620.22	620.12	619.85	619.92	620.38	620.15

--- : not measured

BEDROCK AQUIFER DATA

	2/18/97	5/13/97	8/21/97	12/11/97	4/9/98	7/15/98	10/14/98	1/13/99	4/7/99	7/13/99	10/6/99	1/5/00	4/11/00	8/16/00	12/6/00	3/7/01
MW-1B	625.32	627.31	624.92	---	629.24	626.12	624.25	624.65	625.48	622.62	624.31	624.29	624.51	---	---	624.79
MW-3B	625.27	627.12	624.12	---	628.92	625.84	624.45	624.59	624.51	624.76	623.65	623.24	624.43	625.12	624.83	624.66
MW-4B	624.77	626.11	622.53	626.89	628.43	623.36	621.9	624.06	622.87	623.18	622.17	622.25	623.89	624.52	624.29	624.1
MW-5B	625.98	627.91	622.42	---	629.37	626.81	621.81	625.32	622.42	622.92	622.18	622.35	625.17	626.03	625.62	625.43
MW-7	627.66	629.81	627.37	---	630.39	628.4	626.68	627.01	627.20	627.89	626.75	626.56	626.84	628.20	---	627.21

--- : not measured



LEGEND

- MW-2 MONITORING WELL
- 623- GROUNDWATER CONTOUR
- (629.59) GROUNDWATER ELEVATION
- RW RECOVERY WELL

AYRES
ASSOCIATES



SITE LOCATION

MAPPING SOURCE:

AYRES CADD FILES



WATER TABLE CONTOUR MAP (03-07-01)

PAUL'S AMOCO
DESOTO, WISCONSIN



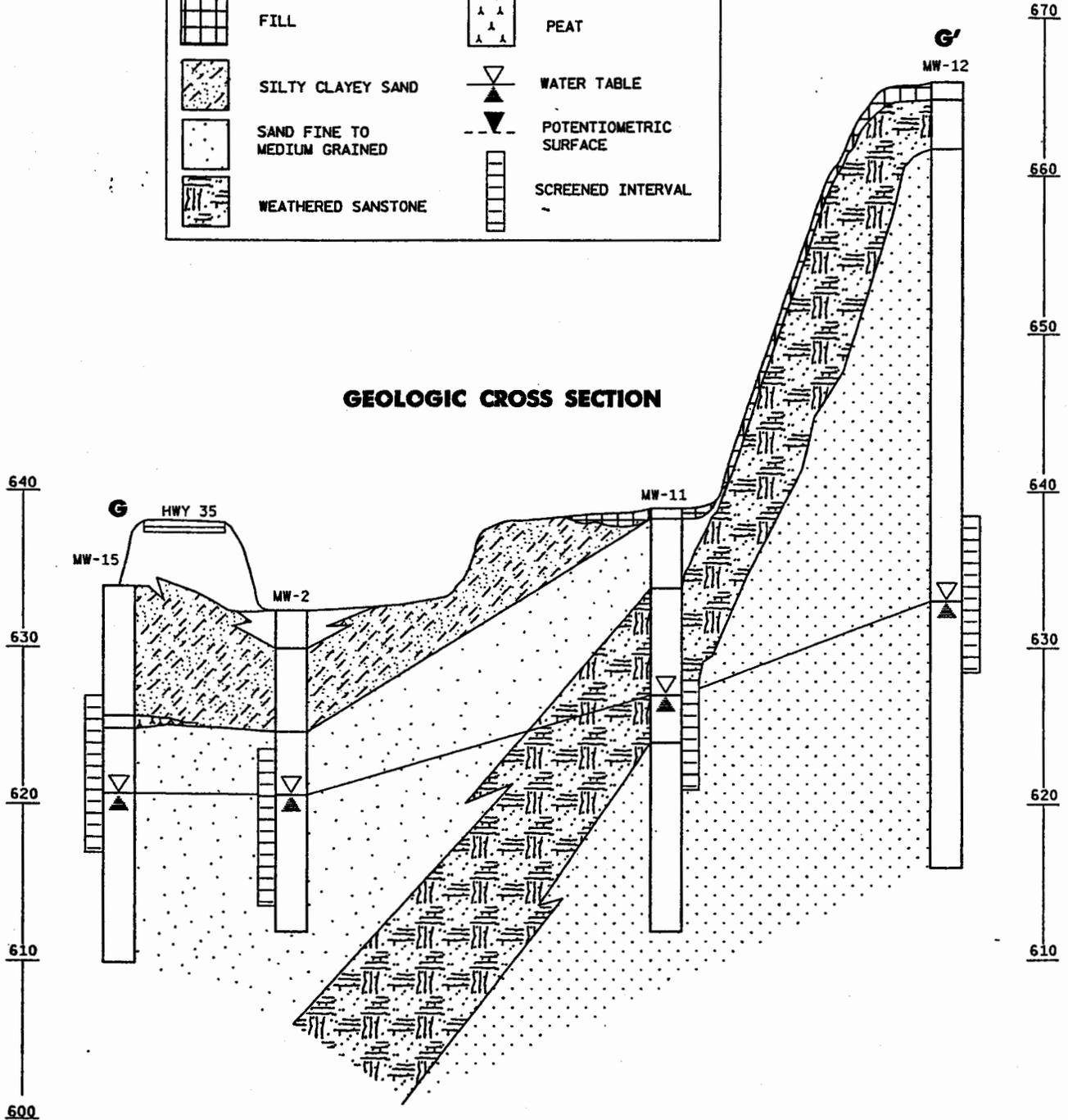
DATE: 10-18-01
JOB NUMBER: 180111.30

PEN TABLE = *Plot*tbl*1055cm*djenv80.tbl
 DATE OF PLOT: 2/13/02
 DESIGN FILE = *m:dgn*0111*18011130*wd*01113013.dgn
 *CREATED BY
 DGN LEVELS ON = 1-10,12,13,15,17-31,33-59,61,62
 PLOT FILE = P:*1055COLR*01113013.plt

LEGEND

	UNKNOWN		SANDSTONE
	FILL		PEAT
	SILTY CLAYEY SAND		WATER TABLE
	SAND FINE TO MEDIUM GRAINED		POTENTIOMETRIC SURFACE
	WEATHERED SANDSTONE		SCREENED INTERVAL

GEOLOGIC CROSS SECTION



AYRES
ASSOCIATES



MAPPING SOURCE:
AYRES CADD
FILES



HORIZ. SCALE 1" = 60'
VERT. SCALE 1" = 10'

**DESOTO GEOLOGIC
CROSS SECTION G-G'**
PAUL'S AMOCO
DESOTO, WISCONSIN

DATE: 10-03-01
JOB NUMBER: 18-0111.30

April 3, 2003

Mr. Tom Kendzierski
Wisconsin Department of Natural Resources
West Central Region Headquarters
P.O. Box 4001
Milwaukee, WI 54702-4001

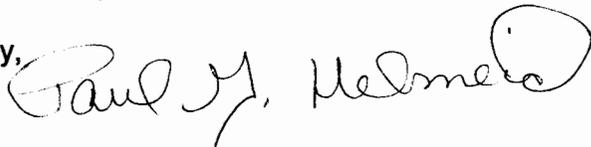
Re: GIS Information, Paul's Amoco, De Soto, Wisconsin
BRRTS # 03-63-00203, PECFA Claim # 54624-9999-26

Dear Mr. Kendzierski:

As required by the Department of Natural Resources to place the site on the GIS Registry of Contaminated sites, this letter shall serve as my statement that information regarding the legal description of the former Paul's Amoco station, for which I am the Responsible Party, is complete and accurate to the best of my knowledge. Attached is a copy of the deed for the Paul's Amoco property, which describes the property according to the Original Plat of the Village of De Soto. The lots comprising Paul's Amoco are highlighted on this copy of the Original Plat.

Based upon data collected during assessment activities and post remedial soil sampling activities, unsaturated soil contamination above NR 720 RCL remains within the Mill Park Drive right-of-way. Unsaturated soil or bedrock contamination has not been confirmed within the Paul's Amoco property boundary. The Village of De Soto was notified of contamination within their right-of-way.

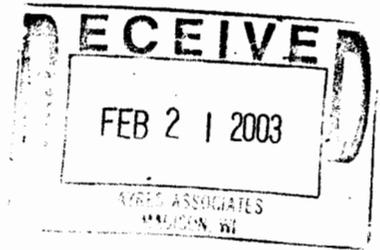
Sincerely,

A handwritten signature in black ink that reads "Paul J. Helmeid". The signature is written in a cursive style with a large, circular flourish at the end.

Paul Helmeid

Enclosure

cc: Randy Ellefson, River Bank
Tom Gaieck, Ayres Associates



July 1, 2002

Marlene Emerson
Village Clerk
RR 1
De Soto, WI 54624-9801

Re: Notification of Residual Petroleum Contamination Within Village Right-of-Way
Former Paul's Amoco, Mill Park Drive, De Soto
BRRTS # 03-63-000202

This letter serves as notification to the Village of De Soto that residual petroleum contamination remains beneath Mill Park drive in proximity of the former Paul's Amoco property. On June 7, 2002, the Wisconsin Department of Natural Resources indicated that the site could be closed to further environmental activities pending receipt of appropriate closure documents. One of the conditions for closure is that the Village of De Soto be notified of contamination within the Mill Park Drive right-of-way.

The most recent round of groundwater samples collected in March 2001 detected 30 micrograms per liter (ug/L) benzene in monitoring well MW-11. This level is above NR 140 enforcement standards. Laboratory analysis of soil samples collected from soil probes advanced within the Mill Park Drive right of way detected benzene concentrations above NR 720 residual contaminant levels. A copy of a site map showing monitoring well and soil probe locations is attached. Tables summarizing groundwater and soil probe data are also attached for your reference.

Sincerely,

cc Ayres Associates
River Bank

2/14/03 ACKNOWLEDGE RECEIPT BY MARLENE EMERSON, VILLAGE CLERK/TREASURER.

MARLENE EMERSON, CLERK