GWURR Package Cover Sheet

Site Name Adams - Columbia Electric Co.

Site Address 401 East Lake St., Friendship, WI 53934

BRRTS # 03-01-001001 **Date of Closure Decision** 10/28/98

Tax Parcel # Adams Co. # 126-157

✓ Groundwater Use Restriction

✓ Location map

✓ Detailed site map

✓ Groundwater flow/isoconcentration maps

✓ Geologic cross sections

✓ Latest table(s) of analytical results (soil results included only if soil deed restriction is incorporated into groundwater use restriction document)

✓ Closure letter(s)

382205

VOL 1906 PAGE 48

Document Number GROUNDWATER USE RESTRICTION

REGISTER'S OFFICE
ADAMS COUNTY WI } SS
RECEIVED FOR RECORD

DEC 17 1998

AT 9:45 A M IN VOL 1906
OF MR PAGE 48-52
JoAnn Berchtold REGISTER

Recording Area

Name and Return Address
Adams-Columbia Electric Coop
401 E. Lake St.
Friendship, WI 53934

126-157

Parcel Identification Number (PIN)

Declaration of Restrictions

In Re: Lot Fourteen (14) of Claude Roberts Addition to the Village of Friendship, more particularly described by metes and bounds as follows: A part of the Northeast Quarter of the Southwest Quarter (NE1/4 SW 1/4) of Section Five(5), Township Seventeen (17) North, Range Six (6) East.

STATE OF WISCONSIN)
) ss
COUNTY OF ADAMS)

WHEREAS, ADAMS-COLUMBIA ELECTRIC COOPERATIVE is the owner of the above described property.

WHEREAS, one or more unleaded gasoline discharges have occurred at this property. Benzene and total xylene contaminated groundwater above NR 140 enforcement standards exists on this property at the following locations: monitoring wells 1 and 4 located in the north portion of the storage area south of the office building, and soil contamination exists at the following location: the west sidewall and the base of the excavated area in the northern portion of the storage area south of the office building, the locations of which are shown on the attached exhibit 1.

WHEREAS, it is the desire and intention of the property owner to impose on the property restrictions which will make it unnecessary to conduct additional soil or groundwater remediation activities on the property at the present time.

WHEREAS, natural attenuation has been approved by the Department of Natural Resources to remediate groundwater exceeding ch. NR 140 groundwater standards within the boundaries of this property.

WHEREAS, construction of wells where the water quality exceeds the drinking water standards in ch. NR 809 is restricted by ch. NR 811 and ch. NR 812. Special well construction standards or water treatment requirements, or both, or well construction prohibitions may apply.

NOW THEREFORE, the owner hereby declares that all of the property described above is held and shall be held, conveyed or encumbered, leased, rented, used, occupied and improved subject to the following limitation and restrictions:

> Anyone who proposes to construct or reconstruct a well on this property is required to contact the Department of Natural Resources' Bureau of Drinking Water and Groundwater, or its successor agency, to determine what specific requirements are applicable, prior to constructing or reconstructing a well on this property. No well may be constructed or reconstructed on this property unless applicable requirements are met.

This restriction is hereby declared to be a covenant running with the land and shall be fully binding upon all persons acquiring the above-described property whether by descent, devise, purchase or otherwise. This restriction benefits and is enforceable by, the Wisconsin Department of Natural Resources, its successors and assigns. The Department, its successors or assigns, may initiate proceedings at law or in equity against any person or persons who violate or are proposing to violate this covenant, to prevent the proposed violation or to recover damages for such violation.

Any person who is or becomes the owner of the property described above may request that the Department of Natural Resources or its successor issue a determination that the restrictions set forth in this covenant are no longer required. Upon receipt of such a request, the Department of Natural Resources shall determine whether or not the restrictions contained herein can be extinguished. If the Department

$18 pd

determines that the restrictions can be extinguished, an affidavit, with a copy of the Department's written determination, may be recorded to give notice that this groundwater use restriction is no longer binding.

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restriction, this 17 day of DECEMBER, 19 98.

Signature: Martin A. Hillert Jr.
Printed Name: Martin A. Hillert Jr.

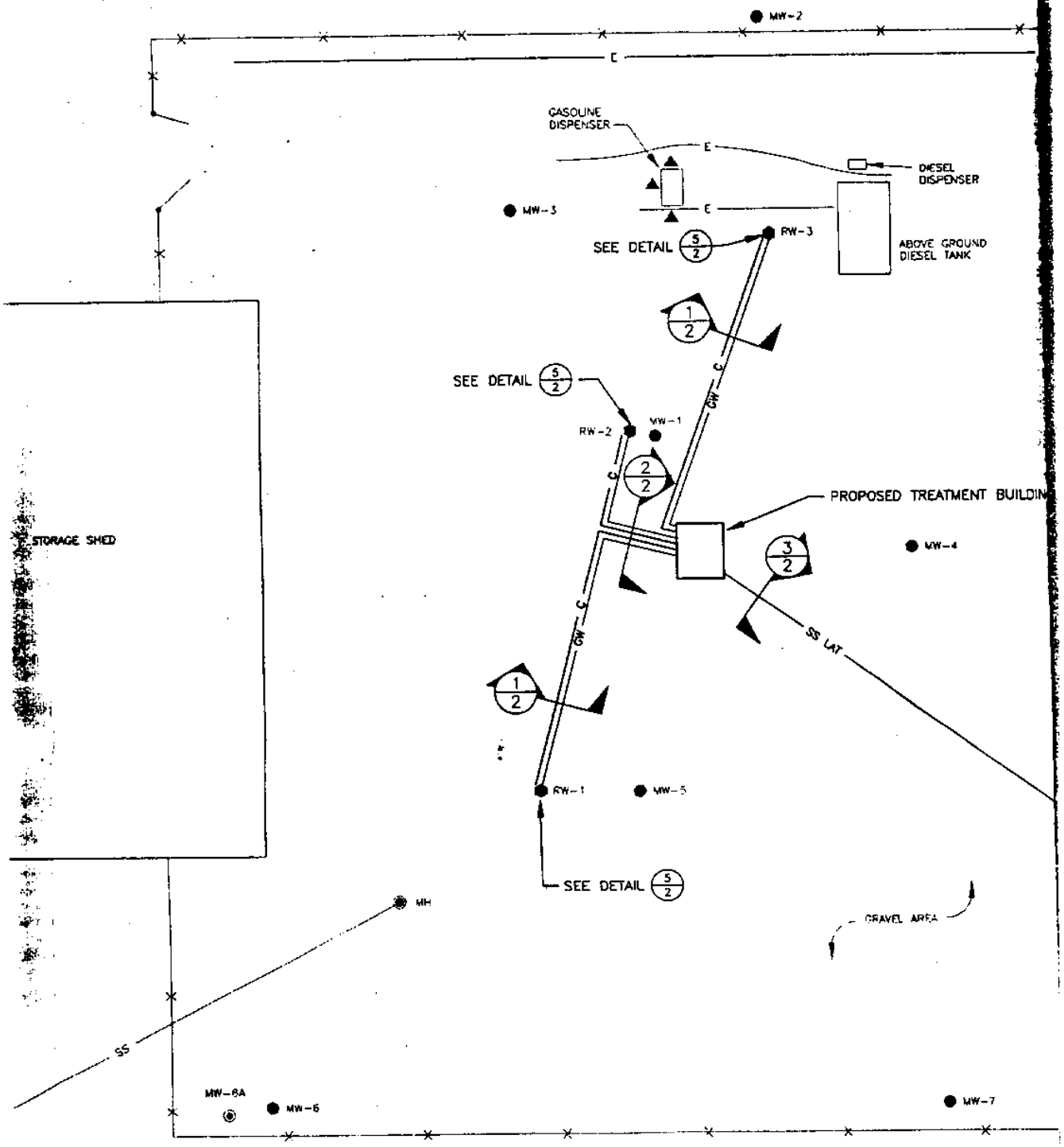
Subscribed and sworn to before me
this 17th day of December, 19 98
Patricia Bartsch
Notary Public, State of Wisconsin
My Commission 11-07-99

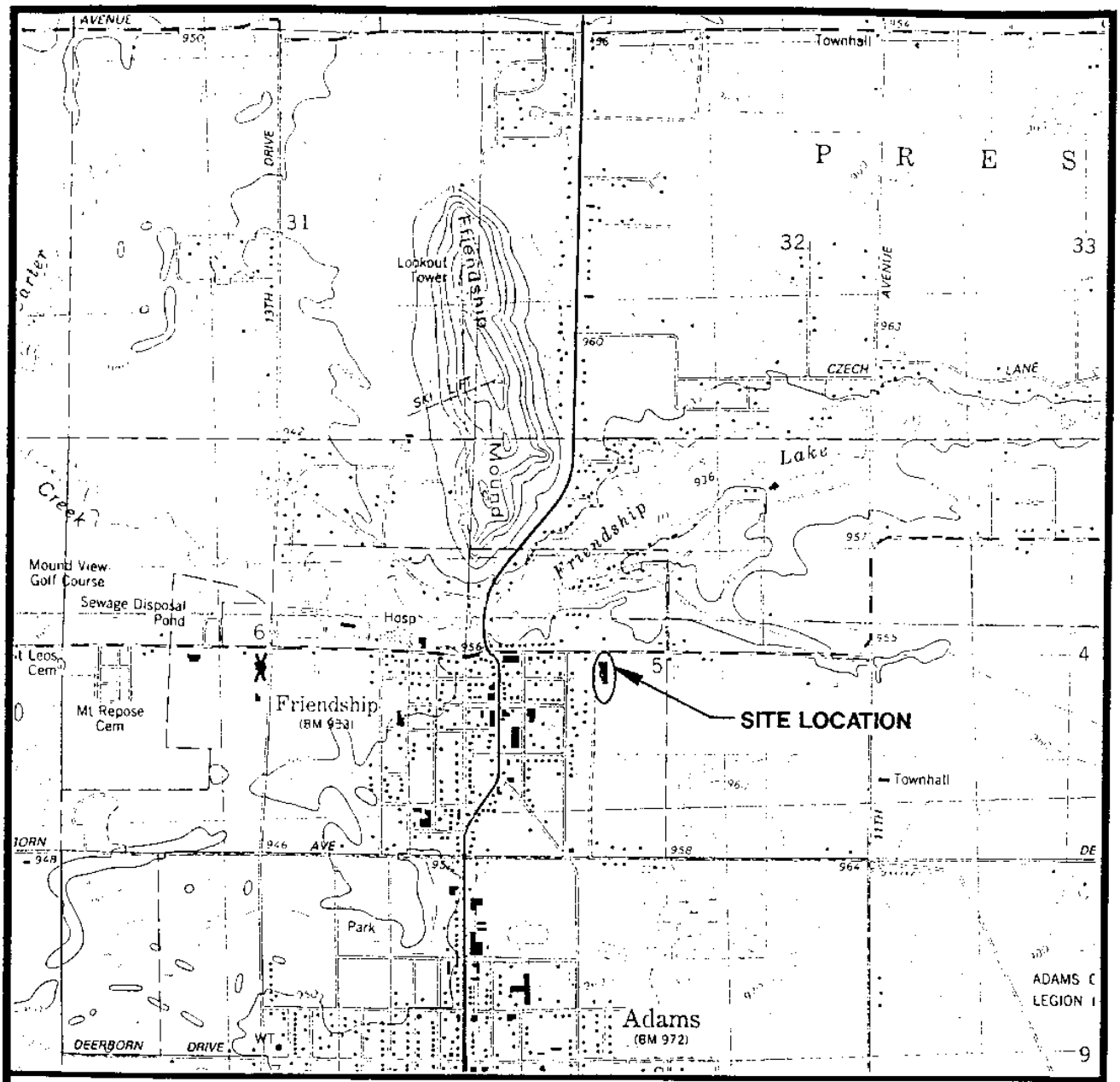
This document was drafted by the Wisconsin Department of Natural Resources.

NOTARY PUBLIC STATE OF

ADAMS-COLUMBIA ELECTRIC COOPERATIVE
Exhibit 1

Scale approximately 1" = 31'





STATE LOCATION

0 2000 4000

SCALE: 1"=2000'

N

SITE LOCATION MAP
ADAMS-COLUMBIA ELECTRIC COOPERATIVE
FRIENDSHIP, WISCONSIN

SOURCE: BASE MAP FROM ADAMS WI. 7.5 MINUTE USGS QUADRANGLE.

RMT INC.

DWN. BY:	MDD
APPROVED BY:	PDT
DATE:	FEBRUARY 1994
PROJ.#	2839.01
FILE #	28390107

FEB 16 1994

FIGURE 1

Drawing File = H:\2839\28390107
Plot File = P:\SRC4.PRF
Scale = 100000000.000000

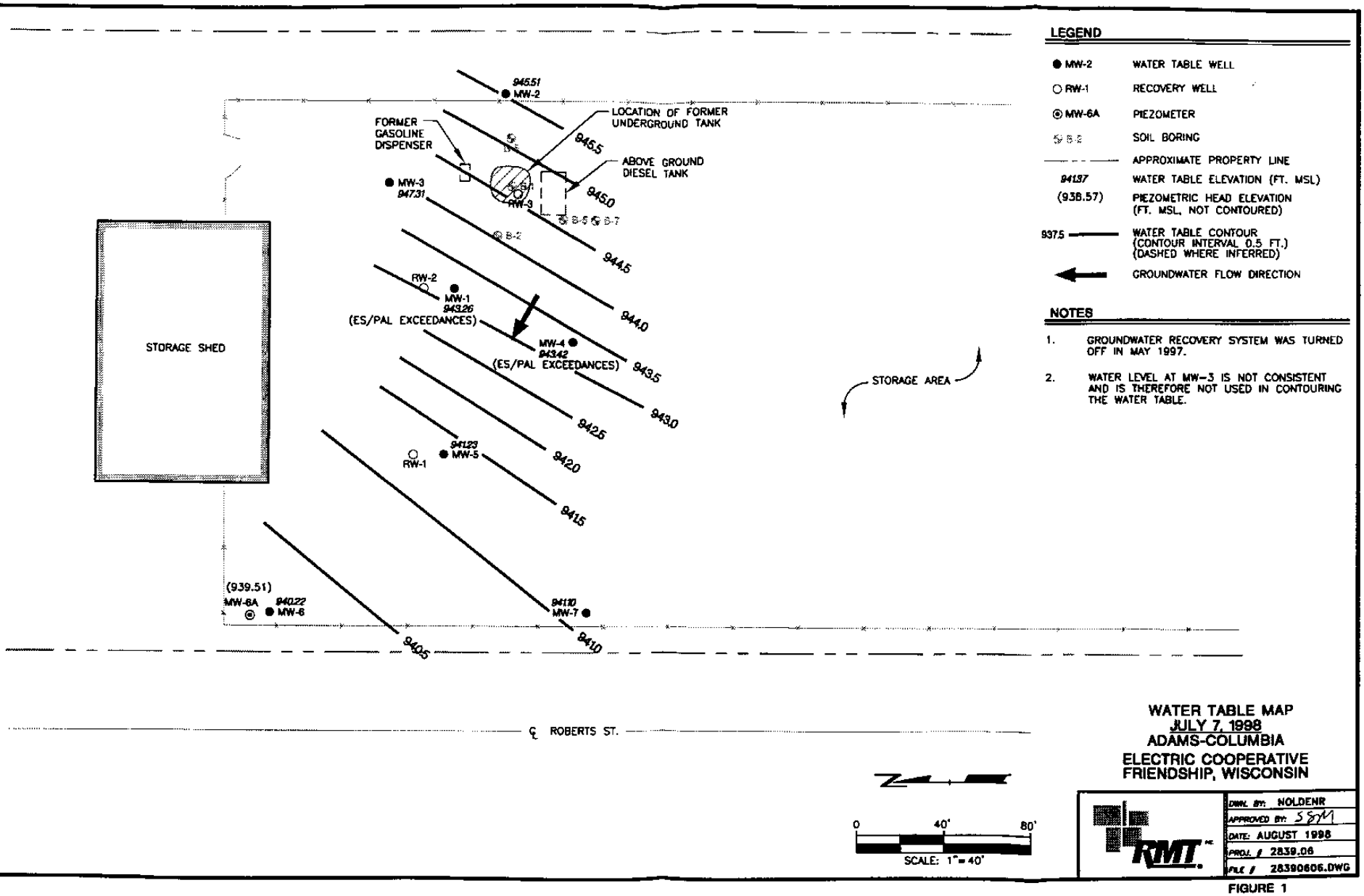
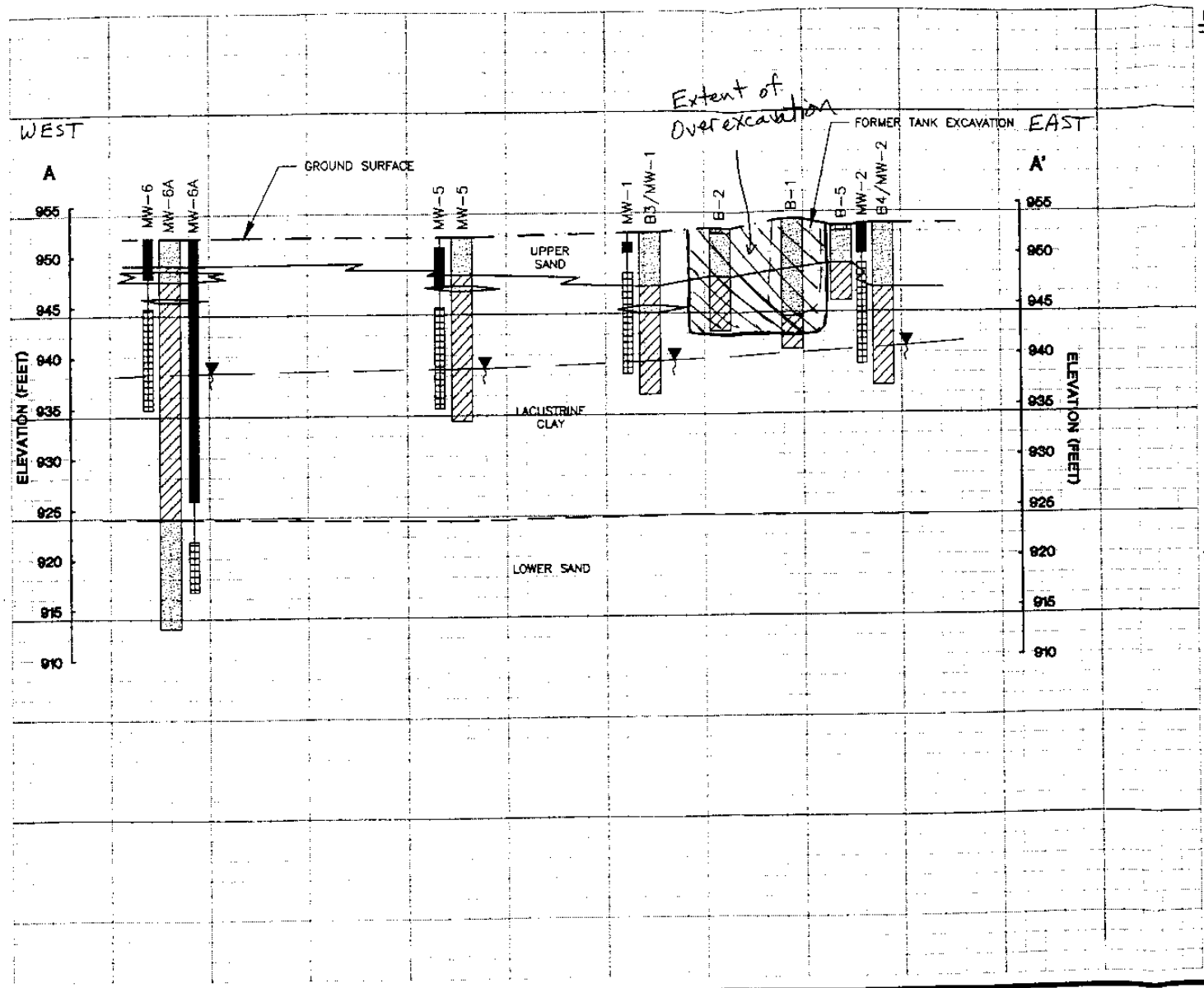


FIGURE 1

PLOT DATA
Drawing Name: J:\02839\06\28390606.DWG
Operator Name: nolden
Scale: 1"=40'
Dwg Size: 91178 Bytes
Plot Date: Thursday, August 27, 1998
Plot Time: 2:29:02:58 PM
Attached Xref's: No xref's Attached.



LEGEND

- EXISTING GROUND SURFACE
- STRATIGRAPHIC BOUNDARY, DASHED WHERE INFERRED
- WATER TABLE SURFACE

WELL CONSTRUCTION

- WELL SEAL
- SCREENED INTERVAL

LITHOLOGIC UNITS

- FILL, GRAVEL (GW)
- GRAVEL ROAD BASE
- SAND (SP)
- CLAY (CL)

NOTES

1. ELEVATION REFERENCED TO USGS MEAN SEA LEVEL DATUM, 1929.
2. FOR DETAILED LITHOLOGIC DESCRIPTIONS, SEE BORING LOGS, APPENDIX A. FOR WELL CONSTRUCTION DETAILS, SEE APPENDIX C.
3. WATER TABLE MEASURED 1/12/94.
4. SEE FIGURE 2 FOR LOCATION OF CROSS SECTION.

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=10'

GEOLOGIC CROSS SECTION A-A'

ADAMS-COLUMBIA ELECTRIC COOPERATIVE

RMT INC.

DWN. BY:	JEB
APPROVED BY:	PDT
DATE:	FEBRUARY, 1994
PROJ. #	2839.01
FILE #	28390108

FEB 16 1994

FIGURE 3

Drawing File = H:\2839\28390108
Plot File = P:\28390108.PRF
Scale = 40000000.000000

TABLE 2

SUMMARY OF PETROLEUM COMPOUNDS IN GROUNDWATER
ADAMS-COLUMBIA ELECTRIC CO-OPERATIVE
FRIENDSHIP, WISCONSIN

Well ID	Date	Benzene	Toluene	Ethyl-benzene	Xylene, Total	MTBE	1,2,4-TMB	1,3,5-TMB	GRO
NR 140 PAL		0.5	68.6	140	124	12	96'	96'	NE
NR 140 ES		5	343	700	620	60	480'	480'	NE
MW-1	10/27/93	980	3,500	370	2,550	<100	750	<100	29
	1/5/94	3,900	15,000	1,300	9,600	490	2,900	730	44,000
	4/6/94	3,400	15,000	1,200	8,700	290	1,600	400	50,000
	7/14/94	560	2,700	160	1,280	54	180	52	10,000
	10/19/94	1,500	6,300	510	3,600	180	540	160	19,000
	5/3/95	NOT SAMPLED. WELL WAS DRY							
	11/3/95	NOT SAMPLED. WELL WAS DRY							
	4/24/96	NOT SAMPLED. WELL WAS DRY							
	11/20/96	NOT SAMPLED. WELL WAS DRY							
	4/23/97	720	930	<26	1400	<26	290	160	NA
	7/22/97	490	450	66	2,500	<0.85	400	130	NA
	11/14/97	NOT SAMPLED, NEARLY DRY							
	3/26/98	7.6	14	6.4	380	<0.45	50	18	NA
	7/7/98	140	260	150	2,740	<45	500	170	NA
MW-2	10/27/93	<1.0	5.1	<1.0	4.8	<1.0	9.3	2.4	0.22
	1/5/94	1.3	1.4	5.1	59	12	37	10	620
	4/6/94	<0.6	1.7	2.9	44	<1.0	33	6.1	440
	7/14/94	<0.6	<1.0	<1.0	6.1	2.8	9.1	3	150
	10/19/94	3.7	2.8	1.7	22.3	5.9	36	5.3	710
	5/3/95	<0.6	1.4	<1.0	25	2.8	12	2.3	NA
	11/3/95	<0.6	<1.0	<1.0	6.6	<1.0	3.2	<1.0	NA
	4/24/96	<0.7	<1.0	<0.7	<2.0	<0.5	<1.0	<0.9	NA
	11/20/96	NOT SAMPLED. WELL WAS DRY							
	4/23/97	<0.23	<0.22	<0.26	<0.52	<0.26	<0.28	<0.56	NA
	7/22/97	<0.10	<0.17	<0.12	<0.16	<0.17	<0.15	<0.11	NA
	11/14/97	NOT SAMPLED, NEARLY DRY							
	3/26/98	REMOVED FROM PROGRAM							
	7/7/98	REMOVED FROM PROGRAM							
MW-3	10/27/93	<1.0	1.2	<1.0	<3.0	<1.0	2.6	<1.0	0.16
	1/5/94	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50
	4/6/94	<0.6	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50
	7/14/94	<0.6	<1.0	<1.0	<2.0	3.1	<1.0	<1.0	<50
	10/19/94	<0.6	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50
	5/3/95	<0.6	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NA
	11/3/95	<0.6	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NA
	4/24/96	<0.7	<1.0	<0.7	<2.0	<0.5	<1.0	<0.9	NA
	11/20/96	<0.7	<1.0	<0.7	<2.0	<0.5	<1.0	<0.9	NA
	4/23/97	<0.23	<0.22	<0.26	<0.56	<0.26	<0.28	<0.56	NA
	7/22/97	<0.10	<0.17	<0.12	<0.16	<0.17	<0.15	<0.11	NA
	11/14/97	NOT SAMPLED, NEARLY DRY							
	3/26/98	REMOVED FROM PROGRAM							
	7/7/98	REMOVED FROM PROGRAM							

TABLE 2

SUMMARY OF PETROLEUM COMPOUNDS IN GROUNDWATER
ADAMS-COLUMBIA ELECTRIC CO-OPERATIVE
FRIENDSHIP, WISCONSIN

Well ID	Date	Benzene	Toluene	Ethyl-benzene	Xylene, Total	MTBE	1,2,4-TMB	1,3,5-TMB	GRO
NR 140 PAL		0.5	68.6	140	124	12	96'	96'	NE
NR 140 ES		5	343	700	620	60	480'	480'	NE
MW-4	10/27/93	230	4,300	460	5,400	68	340	77	13,000
	1/5/94	400	3,400	380	5,700	<50	1,600	430	24,000
	4/6/94	39	480	160	1,910	46	610	180	7,500
	10/19/94	87	1,700	330	4,700	83	1,700	490	22,000
	5/3/95	62	1,600	540	9,000	<20	2,700	850	NA
	11/3/95	18	780	410	6,000	27	2,000	630	NA
	4/24/96	1.9	17	14	370	<1.0	660	260	NA
	11/20/96	NOT SAMPLED. WELL WAS DRY							
	4/23/97	<2.3	12	<2.6	195	6.9	440	120	NA
	7/22/97	16	24	[1.5]	790	<0.85	680	260	NA
	11/14/97	17	6.0	<1.2	113	<2.4	310	110	NA
	3/26/98	20	18	[11]	280	<4.5	85	85	NA
	7/7/98	[6.1]	15	<3.9	360	<4.5	330	120	NA
MW-5	1/5/94	68	360	120	5,100	100	1,600	420	15,000
	4/6/94	67	280	120	5,100	<25	1,600	390	16,000
	7/14/94	21	120	30	2,750	70	1,100	330	8,900
	10/19/94	120	220	43	3,660	120	1,800	530	17,000
	5/3/95	18	62	23	2,370	<10	1,400	420	NA
	11/3/95	49	80	29	2,340	21	1,500	460	NA
	4/24/96	18	11	17	930	<5	840	350	NA
	11/20/96	16	12	<7	540	<5	390	150	NA
	4/23/97	<4	<3.9	7.9	14	<12	<3.8	58	NA
	7/22/97	<0.10	0.76	<0.12	10	<0.17	12	4.6	NA
	11/14/97	0.91	2.5	2.5	74	4.2	53	13	NA
	3/26/98	4.0	2.6	2.9	22.7	<0.89	48	19	NA
	7/7/98	<0.35	[0.68]	<0.39	4.4	<0.45	2.4	[0.80]	NA
MW-6	10/27/93	<1.0	27	<1.0	8.6	<1.0	1.3	<1.0	<50
	1/5/94	<0.6	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50
	4/6/94	<0.6	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50
	10/19/94	<0.6	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50
	5/3/95	<0.6	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50
	11/3/95	<0.6	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50
	4/24/96	<0.7	<1.0	<0.7	<2.0	<0.5	<1.0	<0.9	NA
	11/20/96	<0.7	<1.0	<0.7	<2.0	<0.5	<1.0	<0.9	NA
	4/23/97	<0.23	<0.22	<0.26	<0.93	<0.26	<0.28	<0.56	NA
	7/22/97	<0.10	<0.17	<0.12	<0.16	<0.17	<0.15	<0.11	NA
	11/14/97	<0.11	<0.11	<0.12	<0.36	<0.24	<0.12	<0.12	NA
	3/26/98	<0.35	<0.36	<0.39	<1.6	<0.45	<0.47	<0.44	NA
	7/7/98	<0.35	<0.36	<0.39	<1.6	<0.45	[0.69]	<0.44	NA
MW-6A	1/5/94	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50
	4/6/94	<0.6	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50
	7/14/94	<0.6	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50

TABLE 2

SUMMARY OF PETROLEUM COMPOUNDS IN GROUNDWATER
ADAMS-COLUMBIA ELECTRIC CO-OPERATIVE
FRIENDSHIP, WISCONSIN

Well ID	Date	Benzene	Toluene	Ethyl-benzene	Xylene, Total	MTBE	1,2,4-TMB	1,3,5-TMB	GRO
NR 140 PAL		0.5	68.6	140	124	12	96[1]	96[1]	NE
NR 140 ES		5	343	700	620	60	480[1]	480[1]	NE
MW-6A continued	10/19/94	<0.6	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50
	5/3/95	<0.6	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NA
	11/3/95	<0.6	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NA
	4/24/96	<0.7	<1.0	<0.7	<2.0	<0.5	<1.0	<0.9	NA
	11/20/96	<0.7	<1.0	<0.7	<2.0	<0.5	<1.0	<0.9	NA
	4/23/97	<0.23	<0.22	<0.26	<0.52	<0.26	<0.28	<0.56	NA
	7/22/97	<0.10	<0.17	<0.12	<0.16	<0.17	<0.15	<0.11	NA
	11/14/97	<0.11	<0.11	<0.12	<0.36	<0.24	<0.12	<0.12	NA
	3/26/98	<0.35	<0.36	<0.39	<1.6	<0.45	<0.47	<0.44	NA
	7/7/98	<0.35	<0.36	<0.39	<1.6	<0.45	[0.75]	<0.44	NA
MW-7	1/5/94	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50
	4/6/94	<0.6	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50
	7/14/94	<0.6	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50
	10/7/94	<0.6	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50
	5/3/95	<0.6	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NA
	11/3/95	<0.6	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NA
	4/24/96	<0.7	<1.0	<0.7	<2.0	<0.5	<1.0	<0.9	NA
	11/20/96	<0.7	<1.0	<0.7	<2.0	<0.5	<1.0	<0.9	NA
	4/23/97	<0.2	<0.2	<0.22	<0.42	<0.61	<0.19	<0.2	NA
	7/22/97	<0.10	[0.22]	<0.12	<0.16	<0.17	<0.15	<0.11	NA
	11/14/97	<0.11	<0.11	<0.12	<0.36	<0.24	<0.12	<0.12	NA
	3/26/98	REMOVED FROM PROGRAM							
	7/7/98	REMOVED FROM PROGRAM							

Notes:

Concentrations are given in units of ug/L. The groundwater recovery system was shut off in May 1997.

[1]Proposed standards for 1,2,4-TMB plus 1,3,5-TMB.

ES	NR 140 Enforcement Standard.
PAL	NR 140 Preventive Action Limit.
Bold	Bolded value indicates an exceedence of the NR 140 PAL.
Shaded	Bolded and shaded value indicates an exceedence of the NR 140 ES.
[ ]	Brackets indicate that parameter was detected below the Quantitation Limit, but above the Limit of Detection.
GRO	Gasoline range organics.
NA	Not analyzed.
NE	No NR 140 standards established.
MTBE	Methyl tert-butyl ether.
TMB	Trimethylbenzene.

Prepared by: SSM 8/4/98
Checked by: PMP 8/25/98

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

WISCONSIN
DEPT. OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary

101 S. Webster St.
Box 7921
Madison, Wisconsin 53707-7921
Telephone 608-266-2621
FAX 608-267-3579
TDD 608-267-6897

November 12, 1998

MR ROBERT LUCE
ADAMS-COLUMBIA ELECTRIC COOPERATIVE
401 EAST LAKE STREET
FRIENDSHIP WI 53934

Subject: Adams-Columbia Electric Cooperative, Adams County, DNR Case #03-01-001001

Dear Mr. Luce:

The above-referenced case was reviewed by the West Central Region Closeout Committee on October 28, 1998. Based on all information contained in the site file and submitted by your consultant, it is the decision of the Committee that no further investigatory or clean-up action is needed at the above-referenced site.

Based on the investigative and remedial documentation provided to the Department, it appears that the petroleum contamination at the above-named site has been remediated to the extent practicable under current site conditions. Therefore, the Department considers the case "closed," having determined that no further action is necessary on the site at this time. However, due to the presence of residual contamination in groundwater at levels exceeding the NR 140 enforcement standard for benzene and total xylenes, a condition of the closeout of the case is that the owner sign and record a groundwater use restriction for the property within 30 days of receiving this letter. A copy of the Department's close-out letter must be attached to the groundwater use restriction. **You must submit a draft of the restriction to the Department for review before recording the restriction**. To document that this condition has been complied with, the property owner must submit to the Department a copy of the recorded deed restriction, with the recording information stamped on it, within 15 days after the County Register of Deeds returns the deed restriction to the property owner. The deed restriction may be amended in the future with the approval of DNR if conditions change at the site and the residual contamination is remediated. A model groundwater use restriction is enclosed.

The Department noted that soil exceeding the generic residual contaminant levels in ch. NR 720, Wisconsin Administrative Code, remains in a limited area at the base and western sidewall of the excavation. Based on the available data and the conditions of this closeout letter, the Department believes this residual soil contamination will not pose a threat to human health or the environment.

The monitoring wells and/or boreholes that were installed as part of your investigation and remedial action, must be properly abandoned in accordance with the Department of Natural Resources Administrative Code Chapter NR 141.25. Documentation substantiating proper abandonment (Form 3300-5W) should be forwarded to me, and at that time the case will be considered closed.

Sincerely,

CKoepke

Cynthia L. Koepke, P.G., Hydrogeologist
Remediation & Redevelopment Program
West Central Region

Enclosure

cc: Susannah Michaels, RMT, P.O. Box 8923, Madison, WI 53708-8923

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary

101 S. Webster St.
Box 7921
Madison, Wisconsin 53707-7921
Telephone 608-266-2621
FAX 608-267-3579
TDD 608-267-6897

December 28, 1998

MR ROBERT LUCE
ADAMS-COLUMBIA ELECTRIC COOPERATIVE
401 E LAKE STREET
FRIENDSHIP WI 53934

Subject: Adams-Columbia Electric Cooperative, Adams County, DNR Case #03-01-001001

Dear Mr. Luce:

The Department received the monitoring well abandonment forms and groundwater use restriction for the above-referenced case on December 23, 1998. As indicated in our November 12, 1998, close-out letter, this case is now considered closed. Thank you.

Sincerely,

CKoepke

Cynthia L. Koepke, P.G., Hydrogeologist
Remediation and Redevelopment Program
West Central Region

cc: Susannah Michaels, RMT, P.O. Box 8923, Madison, WI 53708-8923