

**GIS REGISTRY INFORMATION**

**SITE NAME:** Rihn Oil Co.  
**BRRTS #:** 02-09-000030 **FID # (if appropriate):** \_\_\_\_\_  
**COMMERCE # (if appropriate):** \_\_\_\_\_  
**CLOSURE DATE:** 06/12/2003  
**STREET ADDRESS:** 13th Avenue  
**CITY:** Bloomer

**SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection):** X= 403010 Y= 515558

**CONTAMINATED MEDIA:** Groundwater  Soil  Both

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

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

**GPS COORDINATES (meters in WTM91 projection):** X= \_\_\_\_\_ Y= \_\_\_\_\_

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

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

**GPS COORDINATES (meters in WTM91 projection):** X= \_\_\_\_\_ Y= \_\_\_\_\_

**CONTAMINATION IN RIGHT OF WAY:** Yes  No

**DOCUMENTS NEEDED:**

- Closure Letter, and any conditional closure letter 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. (8.5x 4" 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

DATE: June 12, 2003

TO: File

FROM: John R. Grump

SUBJECT: Closure for Rihn Oil Bulk Facility Located at 13<sup>th</sup> Avenue and Railroad, Bloomer, WI.  
BRRTS # 02-09-000030

On June 12, 2003, the West Central Region closure committee conditionally closed this state-lead site requiring a listing on the GIS Registry for groundwater.

The legal description in the GIS submittal is correct to the best of my knowledge. If you have any questions, please contact me at 715-839-3775.

ADMINISTRATIVE USE ONLY

DOCUMENT NO.

413566

INDEXED

STATE BAR OF WISCONSIN - FORM 2  
WARRANTY DEED  
THIS SPACE RESERVED FOR RECORDING DATA

Eugene Harnisch and Evelyn Cudney

conveys and warrants to Bradley Rihn

Registers Office )  
Chippewa County, Wis. )  
Received for Record  
the 5 day of May  
A.D. 1980 at 9:30 o'clock P.M.  
and recorded in vol. 225  
of Records Page 381  
Richard J. Kostner  
Register

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

Tax Key No.

Gas Station Property.

A part and parcel of the Southeast Quarter of the Southeast Quarter (SE $\frac{1}{4}$ -SE $\frac{1}{4}$ ) of Section No. Five (5) in Township No. Thirty (30) North of Range No. Nine (9) West, commencing on the East line of said subdivision at a point 51 feet and 3 inches North of the Southeast corner thereof, said point being the North line of Grove Street or North alley; thence North along said East line of said subdivision 50 feet; thence West parallel with the North line of Grove Street 93 feet; thence South parallel with said East line 50 feet to the North line of Grove Street or North alley 93 feet to the point of beginning in the Village (now City) of Bloomer.

Railroad Property.

And also that part of the Southwest Quarter of the Southwest Quarter (SW $\frac{1}{4}$ -SW $\frac{1}{4}$ ) of Section Four (4), Township Thirty (30) North, Range Nine (9) West of the Fourth Principal Meridian, bounded and described as follows: Commencing at the point of intersection of the North line of Thirteenth Avenue, formerly Grove Street, with the center line of the Side Track I.C.C. Number 34 of the Chicago, St. Paul, Minneapolis and Omaha Railway Company, as now located and established; thence Northwesterly along the center line of said Side Track, a distance of 190 feet; thence Southwesterly along a line at right angles to

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

Exception to warranties:

TRANSFER FEE  
\$24.50

Dated this 2nd day of May, 1980

Eugene Harnisch (SEAL)

Eugene Harnisch

Evelyn Cudney (SEAL)

Evelyn Cudney

AUTHENTICATION

Signatures authenticated this 2nd day of May, 1980

Richard J. Kostner

TITLE: MEMBER STATE BAR OF WISCONSIN

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

THIS INSTRUMENT WAS DRAFTED BY

Kostner, Kostner & Kostner

Bloomer, Wisconsin 54724

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

ACKNOWLEDGMENT

STATE OF WISCONSIN

ss.

Personally came before me, this day of the above named

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

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

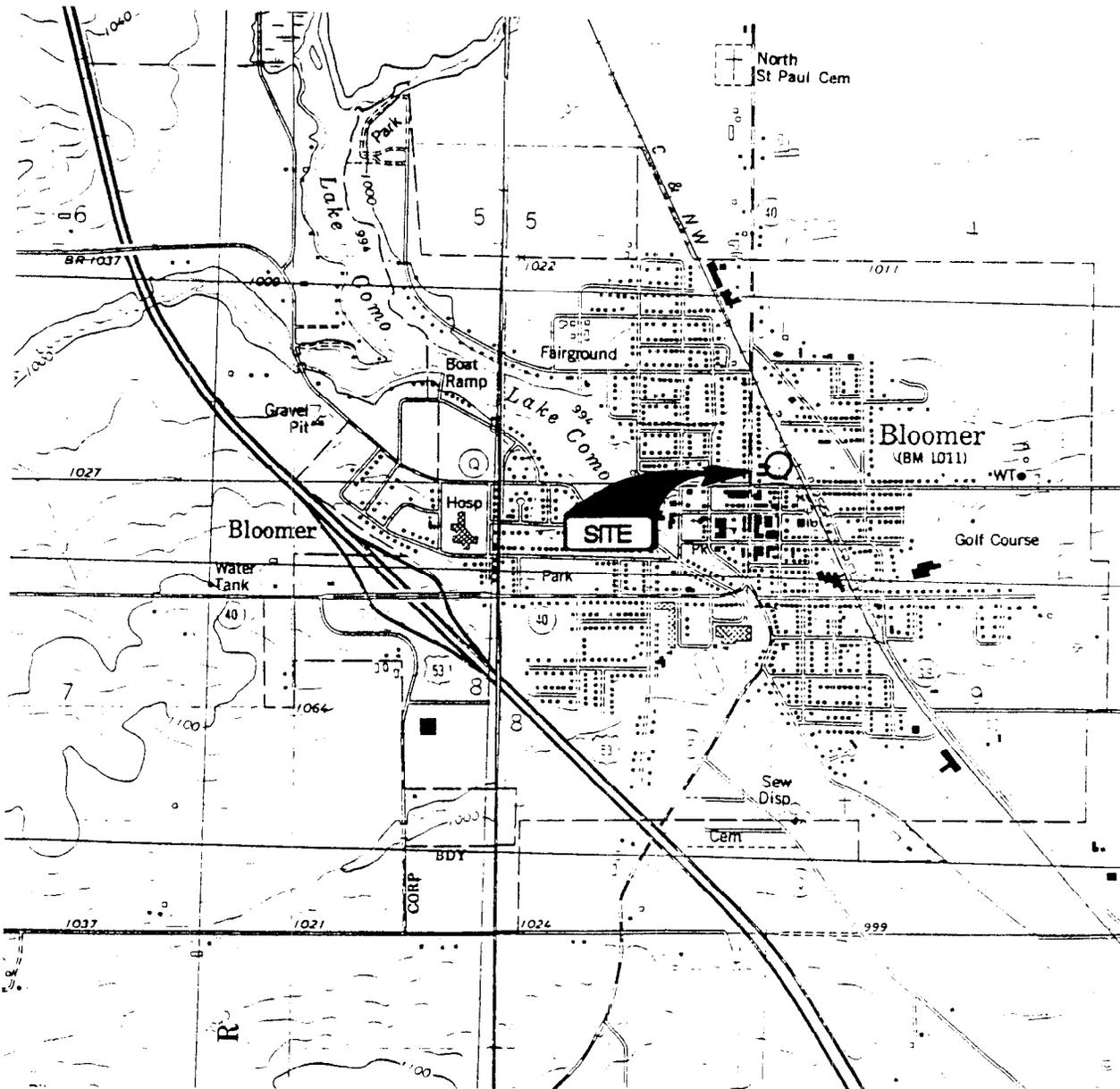
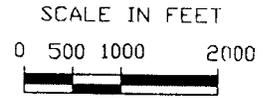
ADMINISTRATIVE USE ONLY

the last described course to a point 40 feet Southwesterly, measured at right angles, from the center line of the main track of said Railway Company, as now located and established, for the point of beginning of land herein to be described; thence Northwesterly along a line parallel with the center line of said main track, a distance of 87 feet; thence Southwesterly along a line at right angles to the last described course, 60 feet to the Southwesterly line of the right of way of that Railway Company; thence Southeasterly along the Southwesterly line of said right of way, to a line drawn at right angles from the center line of said Side Track, through the point of beginning; thence Northeasterly along said line drawn at right angles from the center line of said Side Tract to the point of beginning.

Excepting and reserving on the above Railroad Property, however, unto the Chicago, St. Paul, Minneapolis and Omaha Railway Company, a Wisconsin corporation, its successors and assigns forever, the ownership of all the coal, oil, gas, casinghead gas, and all minerals of every kind and nature, in, on or under the surface of the land hereinabove described, together with the full right and license.

REPRODUCED FROM  
**USGS BLOOMER QUADRANGLE**

WISCONSIN - CHIPPEWA CO. 7.5 MINUTE SERIES  
 DATED: 1975



1	04/11/98	PROGRESS REPORT	JLE	04/98	BLK	04/98			CRB	H.S.Y.L.
NO.	DATE	ISSUE/REVISIONS	DRAWN BY	DESIGN	FIELD REVIEW	QC CHECK				

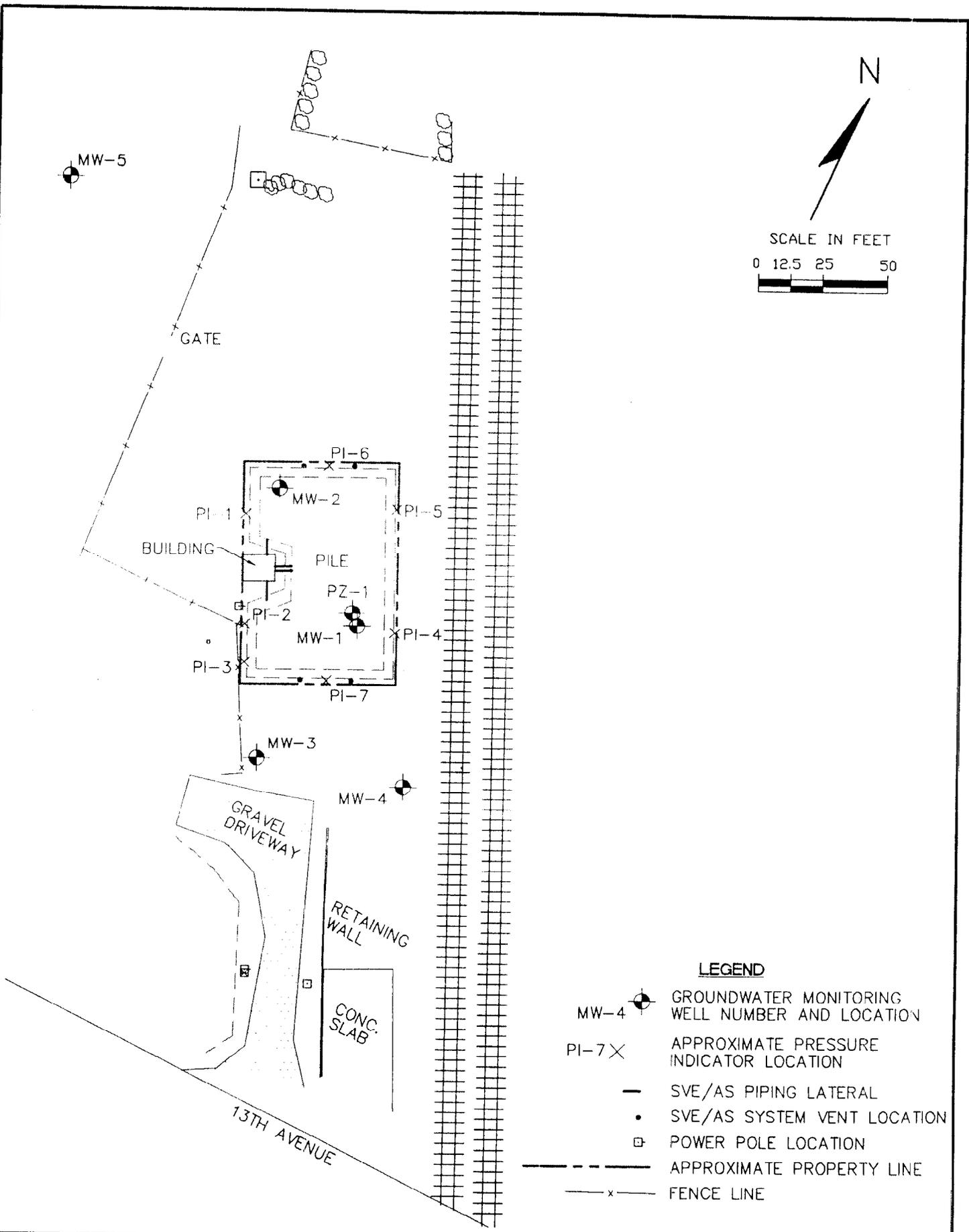


**RIHN OIL  
 PROGRESS REPORT**

**FIGURE 1  
 SITE LOCATION**

PROJ. NO. WDNR9501	<b>1</b>
DATE 04/11/98	
<b>3</b>	

E:\WASTE\WDNR\RIHN\PROCESS\F1A1



1	04/11/96	PROGRESS REPORT	JLE	04/96	BLK	04/96			CRB	44352
NO.	DATE	ISSUE/REVISIONS	DRAWN BY	DESIGN	FIELD REVIEW	QC CHECK				



**RIHN OIL  
PROGRESS REPORT**

**FIGURE 2  
SITE PLAN-  
EXISTING CONDITIONS**

PROJ. NO. WONR9501	<b>2</b>
DATE 04/11/96	<b>3</b>

E:\WASTE\WIDNR\RIHN\PROCESS\9501F-JE1

**Table 1  
Groundwater Analytical Results**

Analytical Parameters	NR 140 Standards		Well No./Sampling Date														
			MW-1														
	ES	PAL	9/98	1/99	3/99	6/99	11/99	2/00	4/00	5/00	6/00	9/00	1/01	6/01	10/01	1/02	4/02
GRO (µg/l)	NSE	NSE	1,100	2,800	3,400	850	720	2,700	2,600	3,400	3,900	880	140	260	--	2,830	903
PVOCs (µg/l)																	
Benzene	5.0	0.5	11	33	40	16	14	21	43	56	60	22	1.1	8.7	29	33.8	5.5
Ethylbenzene	700	140	38	89	99	15	29	73	87	140	100	32	3.9	7.3	110	109	18.4
Toluene	1,000	200	120	160	240	17	37	83	64	120	120	18	3.9	2.4	65	53.2	8.94
Total Trimethylbenzenes	480	96	81	254	349	51	112	170	310	460	354	112	14.6	15.2	235	359.8	81
Total Xylenes	10,000	1,000	320	700	830	120	220	720	630	1,100	880	260	39	30	600	515	192.3

Analytical Parameters	NR 140 Standards		Well No./Sampling Date														
			MW-2														
	ES	PAL	9/98	1/99	3/99	6/99	11/99	2/00	4/00	5/00	6/00	9/00	1/01	6/01	10/01	1/02	4/02
GRO (µg/l)	NSE	NSE	<50	117,000	4,900	3,000	90	<50	<50	370	1,700	140	<50	700	--	1,690	2,800
PVOCs (µg/l)																	
Benzene	5.0	0.5	<0.13	180	390	950	25	0.65	<0.13	100	700	140	1.7	130	45	408	826
Ethylbenzene	700	140	<0.22	370	96	53	2.2	0.42	<0.22	4.5	34	10	0.35	14	5.4	42.5	106
Toluene	1,000	200	<0.20	74	48	380	1.5	0.42	<0.20	10	58	5.0	<0.20	4.7	1.6	16.7	42.1
Total Trimethylbenzenes	480	96	0.65	2,250	680	79	3.8	1.23	<0.51	8.1	47	14.7	0.65	24.9	9.3	60.2	119.4
Total Xylenes	10,000	1,000	0.35	1,400	400	300	8.3	1.9	<0.23	28	200	71	2.4	60	35	253.9	575

Analytical Parameters	NR 140 Standards		Well No./Sampling Date														
			MW-5														
	ES	PAL	9/98	1/99	4/99	6/99	11/99	2/00	4/00	5/00	6/00	9/00	6/01	10/01	1/02	4/02	8/02
GRO (µg/l)	NSE	NSE	2,900	<50	3,000	<50	1,700	1,500	4,600	3,900	2,700	<50	<50	--	<50	<50	<50
PVOCs (µg/l)																	
Benzene	5.0	0.5	16	0.22	11	<0.13	<0.71	21	82	81	77	<0.13	<0.13	<0.13	<0.16	<0.31	<0.31
Ethylbenzene	700	140	130	0.31	110	<0.22	71	41	220	220	170	<0.2	<0.22	<0.22	<0.5	<0.5	<0.50
Toluene	1,000	200	12	<0.20	8.3	<0.20	4.5	6.6	19	21	8.8	<0.20	<0.20	<0.20	<0.4	<0.3	<0.3
Total Trimethylbenzenes	480	96	90	0.39	156	<0.51	351	112	590	530	355	<0.51	<0.51	<0.51	<0.57	<0.71	<0.71
Total Xylenes	10,000	1,000	65	0.45	29	<0.23	12	61	320	400	190	<0.23	<0.23	<0.23	<0.57	<0.92	<0.92

NSE = No standard established  
 BDL = Below laboratory detection limit  
 -- = Not analyzed for  
 0.0 = Exceeds ch. NR 140 Enforcement Standard (ES)  
 0.0 = Exceeds ch. NR 140 Preventive Action Limit (PAL)  
<sup>1</sup> = PAH list is not complete; PAHs not listed are BDL  
<sup>2</sup> = VOC list is not complete; VOCs not listed are BDL  
 Compiled by: BLK Checked by: XXX

P:\proj\widnr0204\misc\gw\_analytical\_results.xls

**Table 3  
Groundwater Analytical Results**

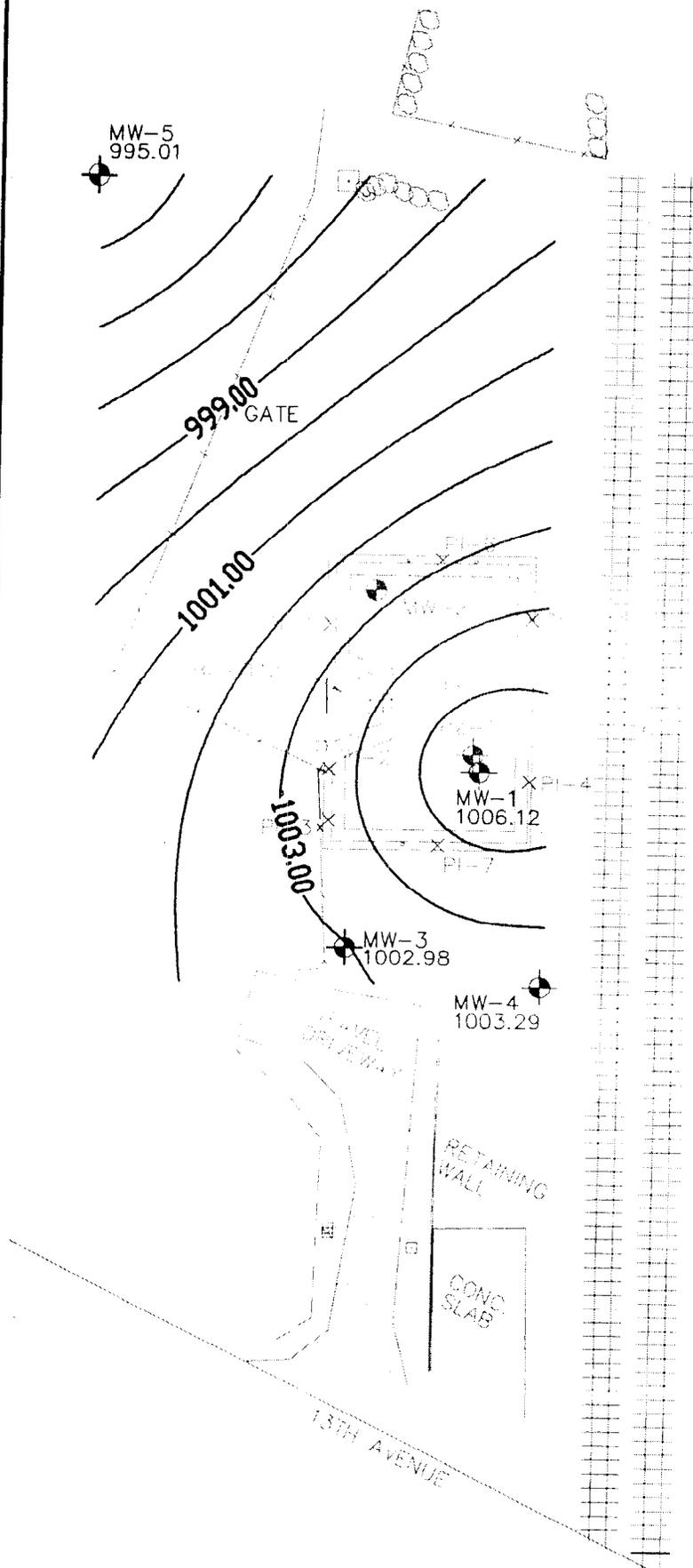
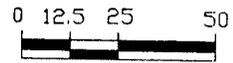
Parameter	NR 140 standards		MW-1									MW-2						MW-3											
	ES	PAL	8/23/91	11/27/95	2/22/96	5/24/96	8/15/96	1/31/97	7/31/97	11/7/97	8/23/91	11/27/95	2/22/96	5/24/96	8/15/96	1/31/97	7/31/97	11/7/97	8/23/91	11/27/95	2/22/96	5/24/96	8/15/96						
Dissolved Oxygen (mg/l)			--	--	10.45	0.31	0.28	12.42	--	0.51	--							11.84	--	0.47	--	--	11.54	5.92	0.36				
Temperature (°C)			--	--	7.6	9.7	15.7	9.5	--	--	--							7.8	--	--	--	--	4.8	9.4	15.2				
GRO (µg/l)	NSE	NSE	9,600	15,900	13,200	6,690	14,400	1,680	883	4,800	7,700							471	309	3,240	1,400	1,970	89.8	1,850	832				
PVOCs (µg/l)																													
Benzene	0.5	5.0	<b>1,200</b>	<b>981</b>	<b>576</b>	<b>213</b>	<b>642</b>	<b>12.3</b>	<b>11.3</b>	<b>74.4</b>	<b>1,900</b>	FREE PRODUCT	FREE PRODUCT	FREE PRODUCT	FREE PRODUCT			0.6	0.88	<b>933</b>	2.6	ND	ND	ND	ND				
Ethylbenzene	140	700	<b>820</b>	<b>763</b>	408	222	492	42.2	14.2	169.4	130											1.3	ND	54.6	130	163	ND	118	30.5
Methyl-tert-butyl-ether	60	12	--	ND	ND	ND	ND	ND	ND	ND	--											ND	ND	ND	--	ND	ND	ND	ND
Toluene	343	68.6	<b>8,100</b>	<b>3,930</b>	<b>2,630</b>	<b>1,110</b>	<b>2,510</b>	169	89.9	672	1,400											ND	ND	ND	--	ND	ND	ND	ND
1,2,4-Trimethylbenzene	NSE	NSE	860	927	804	375	912	94.7	46.7	327.5	130											2.5	1.57	<b>602</b>	34	ND	ND	15.7	ND
1,3,5-Trimethylbenzene	NSE	NSE	150	220	213	ND	230	29.4	12.2	86.8	27											7.5	1.80	102.2	270	168	3	332	70.3
Total Xylenes	620	124	<b>3,400</b>	<b>5,220</b>	<b>4,600</b>	<b>1,960</b>	<b>4,380</b>	478	183	1,530	420											4.9	ND	27.1	61	80.1	5.51	86.2	21.7
VOCs (µg/l)																						8.2	1.16	2.9	2.10	264.7	6.32	384	30.1
1,2-Dibromoethane	0.05	0.005	ND	--	--	--	--	--	--	--	18											--	--	--	ND	--	--	--	--
1,2-Dichloroethane	5	0.5	<b>27</b>	--	--	--	--	--	--	--	<b>160</b>											--	--	--	ND	--	--	--	--
Naphthalene	40	8	<b>260</b>	--	--	--	--	--	--	--	<b>40</b>							--	--	--	ND	--	--	--	--				

ND = No detection  
 -- = Parameter not analyzed for  
**1,200** = ES Exceedance  
2.6 = PAL Exceedance  
 NSE = No standard established  
 \* = VOC list not complete. Only VOCs in exceedance of ES or PAL are shown  
 Prepared by BLK Checked by GPB

N



SCALE IN FEET



**LEGEND**

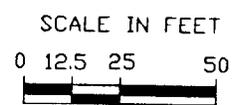
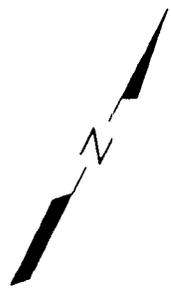
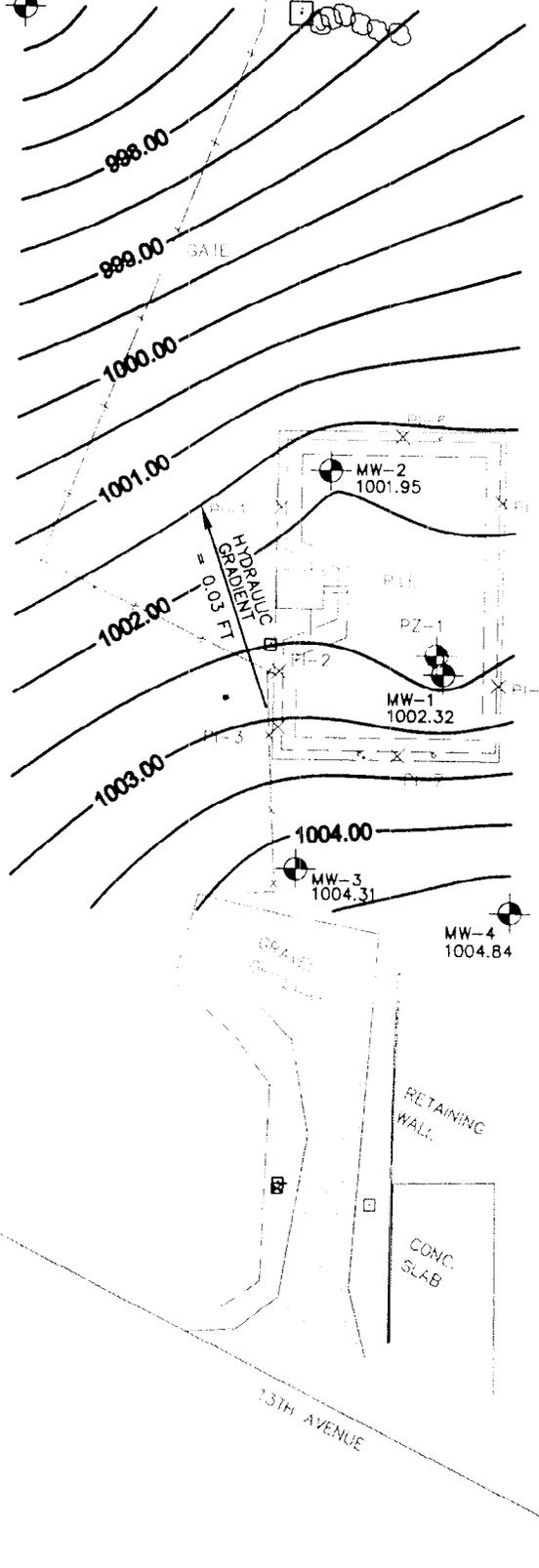
- 1001.00 — GROUNDWATER ELEVATION CONTOUR  
CONTOUR INTERVAL= 0.10 FT
- MW-5 995.01 — GROUNDWATER MONITORING WELL NUMBER AND LOCATION WITH WATER ELEVATION AS OF 02/22/96
- PI-7 X — APPROXIMATE PRESSURE INDICATOR LOCATION
- SVE/AS PIPING LATERAL
- SVE/AS SYSTEM VENT LOCATION
- POWER POLE LOCATION
- APPROXIMATE PROPERTY LINE
- FENCE LINE

NOTE: GROUNDWATER ELEVATION CONTOURS GENERATED USING SURFER® (KRIGING METHOD)

1	04/11/96	PROGRESS REPORT	JLE	4/96	BLK	4/96	283	4-13-96
NO.	DATE	ISSUE/REVISIONS	DRAWN BY	DESIGN	FIELD REVIEW	QC CHECK		
			<b>RIHN OIL PROGRESS REPORT</b>		<b>FIGURE 3 GROUNDWATER ELEVATIONS 2/22/96</b>		PROJ. NO. WDNR9501	<b>3</b>
					DATE 4/11/96		<b>3</b>	



MW-5  
996.05



**LEGEND**

- 1000.50 GROUNDWATER ELEVATION CONTOUR  
CONTOUR INTERVAL= 0.5 FT
- MW-5 995.81 GROUNDWATER MONITORING WELL NUMBER AND LOCATION WITH GROUNDWATER ELEVATION AS OF 06/08/98
- PI-2 APPROXIMATE PRESSURE INDICATOR LOCATION
- SVE/AS PIPING LATERAL
- SVE/AS SYSTEM VENT LOCATION
- POWER POLE LOCATION
- APPROXIMATE PROPERTY LINE
- FENCE LINE

**NOTE:**

1. GROUNDWATER ELEVATION CONTOURS GENERATED USING SURFER® (KRIGING METHOD)

E:\WASTE\WDNR\9501\PROGS\9501F.JWT

1	07/23/98	WDNR FORM #4400-194	PROGRESS REPORT #5	JLE	07/98	BLK	07/98				
NO.	DATE	ISSUE/REVISIONS		DRAWN BY	DESIGN	FIELD REVIEW	QC CHECK				
				RIHN OIL PROGRESS REPORT #5				FIGURE 4 GROUNDWATER ELEVATIONS 06/08/98		PROJ. NO. WDNR9501	4
								DATE 07/23/98	4		