

# GIS REGISTRY INFORMATION

SITE NAME:	FORMER RACINE TRUCK AND EQUIPMENT		
BRRTS # and FID #:	<b>0352002935 252085900</b>		
CLOSURE DATE:	07/12/2002		
STREET ADDRESS:	2335 DURAND AVE		
CITY:	RACINE		
SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection):	X=	Y=	

OFF-SOURCE CONTAMINATION (>ES): <small>(if there are more than 2 off-source properties, make a note and attach additional sheet(s))</small>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
--	------------------------------	--

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

GPS COORDINATES (meters in WTM91 projection):	X=	Y=
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IF YES, STREET ADDRESS 2: \_\_\_\_\_

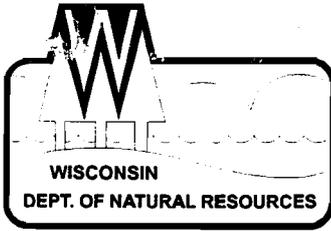
GPS COORDINATES (meters in WTM91 projection):	X=	Y=
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CONTAMINATION IN RIGHT OF WAY:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
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CONTAMINATED MEDIA: (Groundwater, Soil or Both?)	GW
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**DOCUMENTS NEEDED:**

Closure Letter, and any conditional closure letter issued	X
Copy of most recent deed, including legal description, for all affected properties	
Certified survey map or relevant portion of the recorded plat map <i>(if referenced in the legal description)</i> for all affected properties	X
County Parcel ID number, <i>if used for county</i> , for all affected properties	X
Location Map which outlines all properties within contaminated site boundaries in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy)	X
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)	X
Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)	X
Isoconcentration map(s), <i>if available from site investigation (SI)</i> (8.5x14" if paper copy). The isoconcentration map should have flow direction and extent of contamination defined. <b>If not available, include the following 2 types of maps:</b>	
Latest groundwater flow/monitoring well location map	X
Latest extent of contaminant plume map	X
Geologic cross-sections, <i>if available from SI</i> . (8.5x14' if paper copy)	X
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)	
Copy of (soil or land use) deed restriction(s) or deed notice <i>if any required as a condition of closure</i> .	X



## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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

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

November 30, 1999

Mr. James Eastman  
Merchants Moving and Storage  
1215 State Street  
Racine, WI 53404

Subject: Closure Request, Former Racine Truck and Equipment, 2335 Durand Avenue, Racine WI. In reply please refer to FID#252085900, BRRTS#03-52002935.

Dear Mr. Eastman:

At the request of your environmental consultant Environmental Innovations, Inc., we have reviewed the Former Racine Truck and Equipment Site for flexible closure. Based on the information submitted on September 28, 1999 the Department concurs will grant closure in accordance for this site with NR726.

The groundwater contamination levels for Benzene at this site are above enforcement standards (ES) promulgated in Ch. NR. 140, Wisconsin Administrative Code within your property boundary, but showing evidence that natural attenuation is controlling the spread of contamination.

To complete the closure of this site, The following information must be supplied to the Department of Natural Resources:

- A groundwater use restriction must be submitted to the Department for approval prior to placing on the property deed at the county register of deeds office. The groundwater use restriction must specify the legal description of the property, the location type and the concentration of the contaminant(s) in both the groundwater and the soil, and includes the following paragraphs:
  - a) In the first paragraph of the groundwater use restriction this sentence is applicable and must be included in the document. *Soil contamination exists at the following locations: [insert type and concentration of soil contamination and a description of locations on the property where soil contamination was or may have been, left in place (i.e. the 1500 tons of estimated soil left in place at the M&I northern Bank site)].*
  - b) *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. Construction of wells where water quality exceeds the drinking water standards in ch. NR 809 is restricted by chs. NR 811 and NR 812. Special well construction standards or water treatment requirements, or both or well construction prohibitions may apply. 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 to determine what specific requirements are applicable prior to constructing or reconstructing a well on this property.*

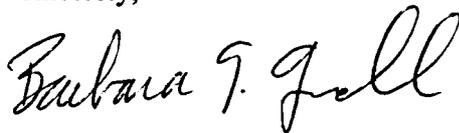
*groundwater shall be sampled and analyzed for contaminants that were previously detected on the property and any extracted groundwater shall be managed in compliance with applicable statutes and rules.*

- All Monitoring wells must be abandoned within 60 days in accordance to ch. NR 141.25, WAC.
- After the groundwater use restriction draft is approved, you must submit a certified copy of the groundwater use restriction and monitoring well abandonment documentation to the Department. When these items are received by the Department this site will be in compliance with ch. NR 726, WAC, and will be officially closed and tracked as such on the department's tracking system.
- Interim guidance on institutional controls may be found on the DNR's web site (<http://www.dnr.state.wi.us>) by searching "RR PDF Documents" or by calling the publication request line at (608) 264-6009.

As always the department reserves the right to reopen this case pursuant to s. NR 726.09, WAC, should additional information regarding site conditions indicate that contamination on or from the site poses a threat to public health, safety or welfare of the environment. When the WDNR receives a copy of the groundwater use restriction and all of the groundwater monitoring wells at the site are abandoned in accordance with WAC NR 141 and the completed abandonment forms submitted to the department **this case will be tracked as closed on the department's tracking system.** This letter serves as your closure letter, but is technically only valid once we receive the information requested above.

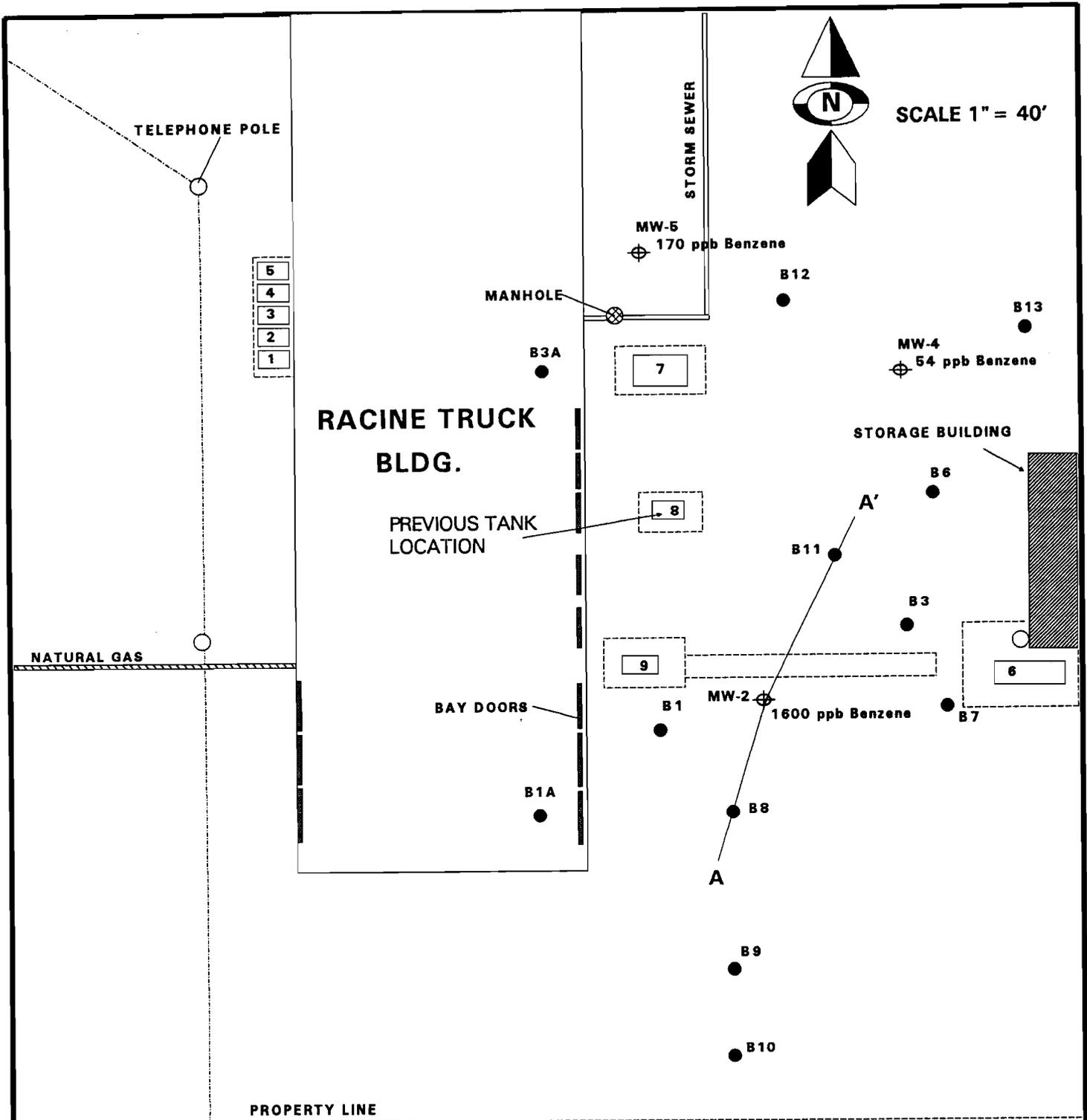
If you have any questions or concerns regarding this letter, please contact me at (414) 263-8546.

Sincerely,



Barbara G. Grundl, P.G.  
Hydrogeologist

cc: Thomas W. Pedersen – Environmental Innovations, Inc.  
SED file



NOTE: cross-section A - A' depicted in Figure 6

LEGEND	
●	Soil Boring Location
⊕	Monitoring Well Location/Benzene result
□	Excavation Area
---	Overhead Line

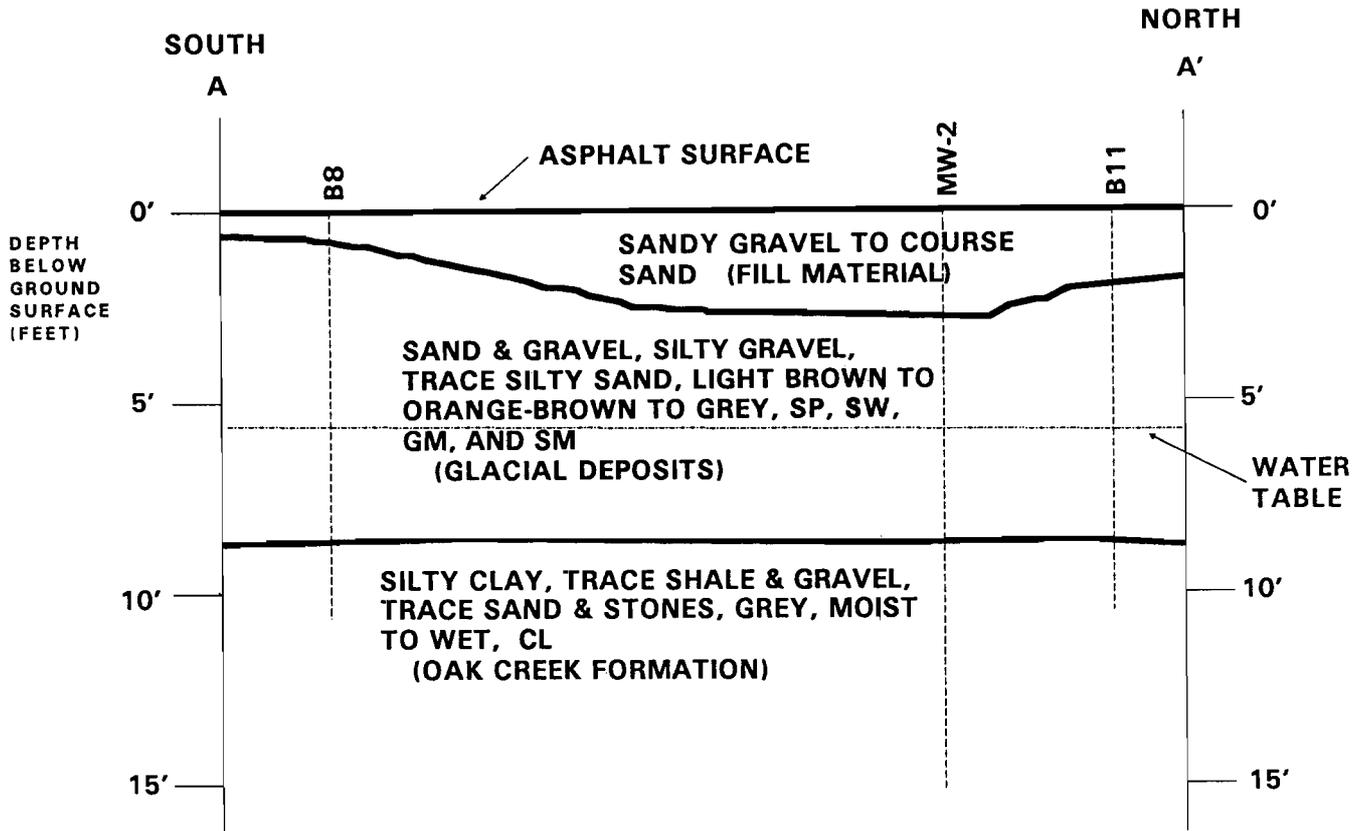
## CROSS SECTION LOCATION MAP

**RACINE TRUCK & EQUIPMENT CORP.  
2335 DURAND AVENUE, RACINE, WI.**

**ENVIRONMENTAL INNOVATIONS, INC.**

**FIGURE 5**

# GEOLOGIC CROSS-SECTION: A - A' RACINE TRUCK & EQUIPMENT CORP.



VERTICAL EXAGGERATION = 4.4 X

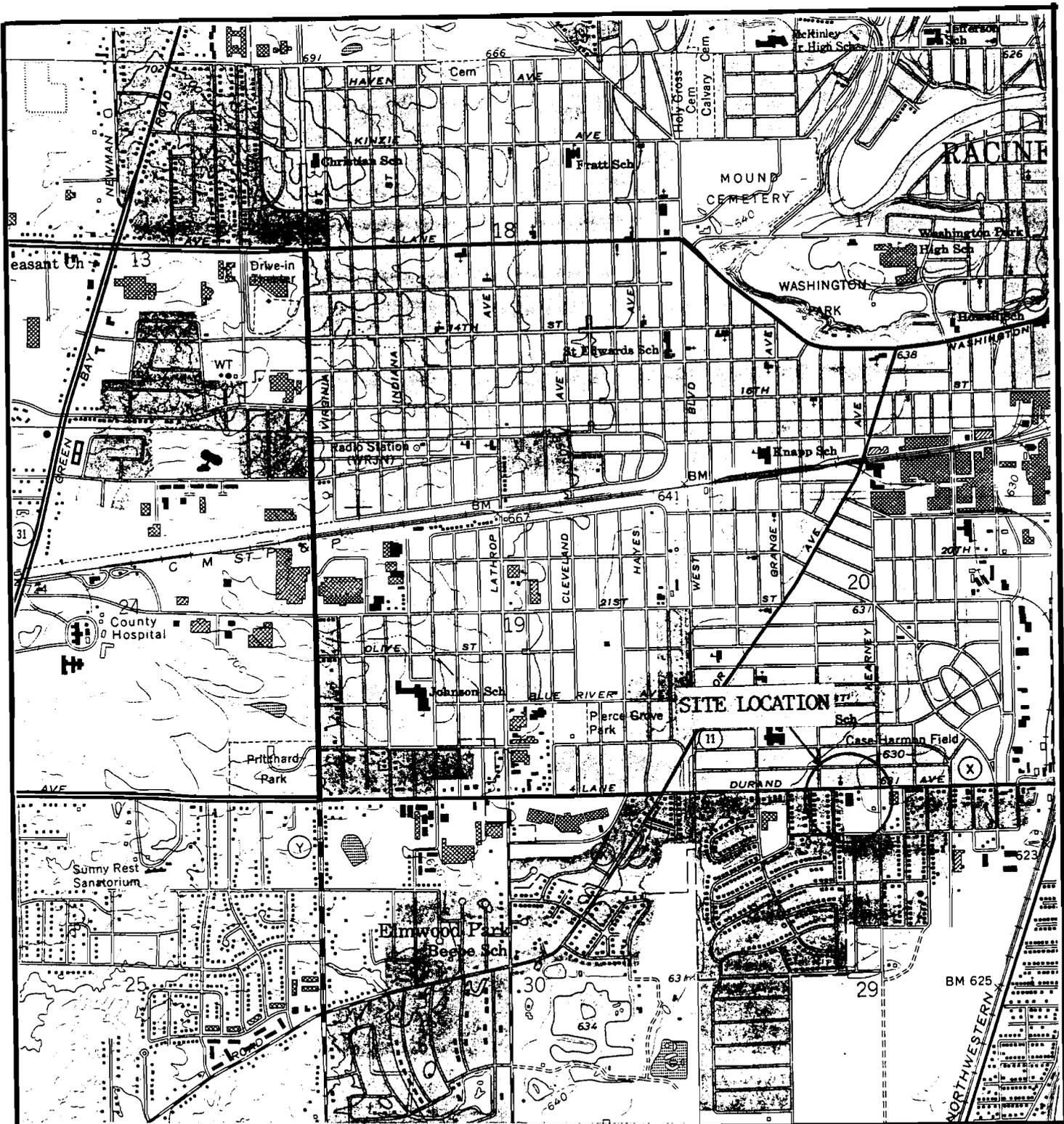
VERTICAL SCALE: 1 INCH = 5 FEET  
HORIZONTAL SCALE: 1 INCH = 22 FEET

NOTE: see Figure 5 for location of cross-section line A - A'

B9A	<b>LEGEND</b>
-----	SOIL BORING LOCATION
<b>ENVIRONMENTAL INNOVATIONS, INC.</b>	

<b>GEOLOGIC CROSS SECTION: A - A'</b>
<b>RACINE TRUCK &amp; EQUIPMENT CORPORATION</b> 2335 DURAND AVENUE, RACINE, WI

FIGURE 6



**LEGEND**

SCALE: 1 INCH = 2000 FEET



**SITE LOCATION MAP**

**ENVIRONMENTAL INNOVATIONS, INC.**

**RACINE TRUCK AND EQUIPMENT CORP.**  
**2335 DURAND AVENUE**  
**RACINE, WI. 53406**

DURAND AVENUE

SANITARY SEWER

WATER MAIN

STORM SEWER

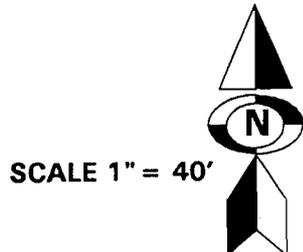
RACINE TRUCK BLDG.

TELEPHONE POLE

- 5
- 4
- 3
- 2
- 1

NATURAL GAS

BAY DOORS



UNDER GROUND STORAGE TANKS

- 1 - MOTOR OIL
- 2 - MOTOR OIL
- 3 - TRANSMISSION OIL
- 4 - HYDRAULIC OIL
- 5 - LUBE OIL
- 6 - GASOLINE
- 7 - HEATING OIL
- 8 - WASTE OIL
- 9 - DIESEL (FORMERLY GASOLINE)

MANHOLE

MW-5

B3A

7

B12

B13

MW-4

STORAGE BUILDING

B6

B11

B3

9

PRODUCT PIPING

6

B1

MW-2

B7

B1A

B8

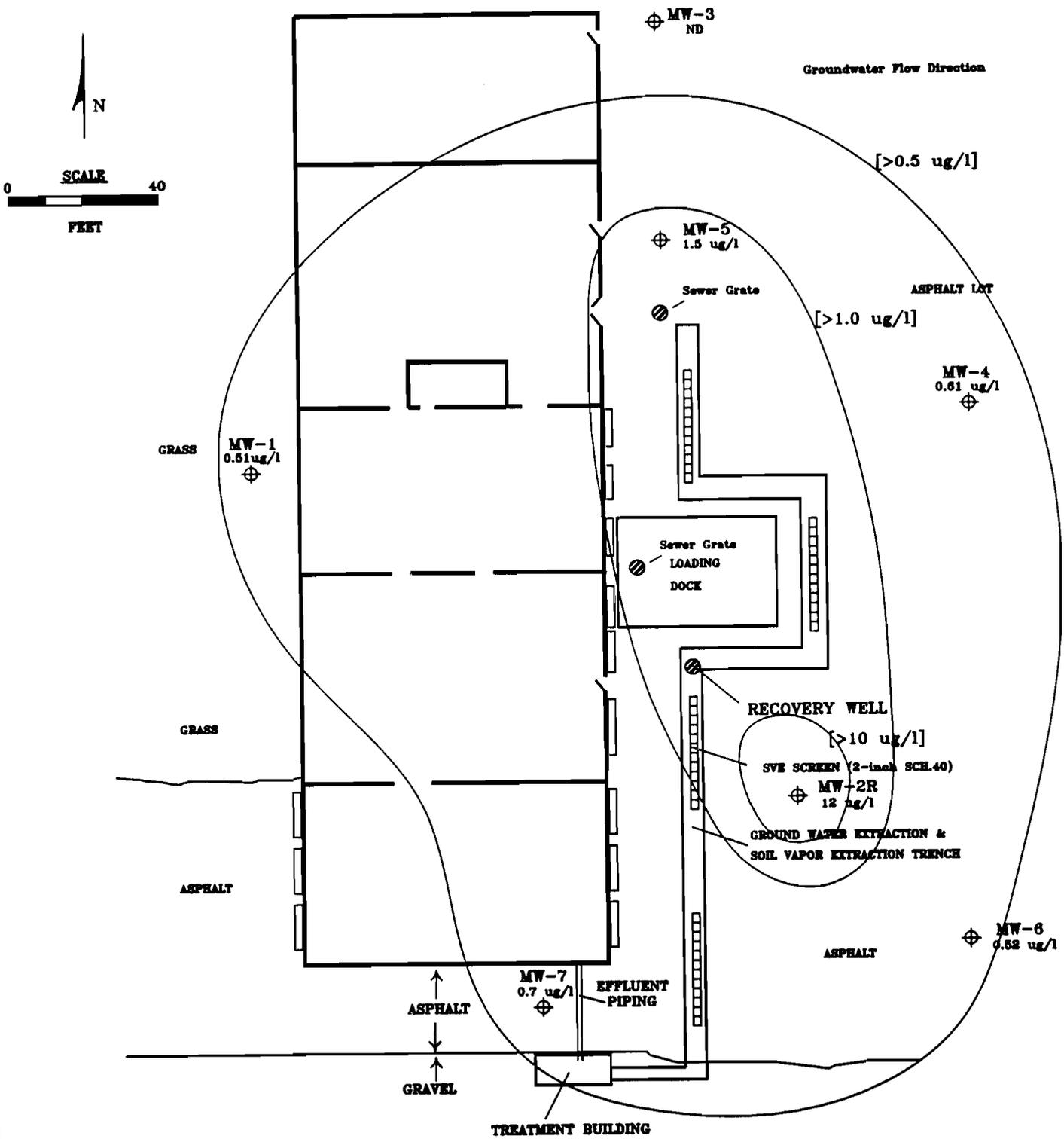
● Soil Boring Location	Excavation Area
⊕ Monitoring Well Location	Overhead Line
	9 Former UST Location

SOIL BORING AND MONITORING WELL LOCATION MAP

RACINE TRUCK & EQUIPMENT CORP.  
2335 DURAND AVENUE, RACINE, WI.

ENVIRONMENTAL INNOVATIONS, INC.

FIGURE 2



Benzene concentrations are reported from the 6/9/99 groundwater sampling event.

**LEGEND**

- MW-5 Monitoring Well
- ⊕ Benzene Concentration in Well (micrograms per liter)

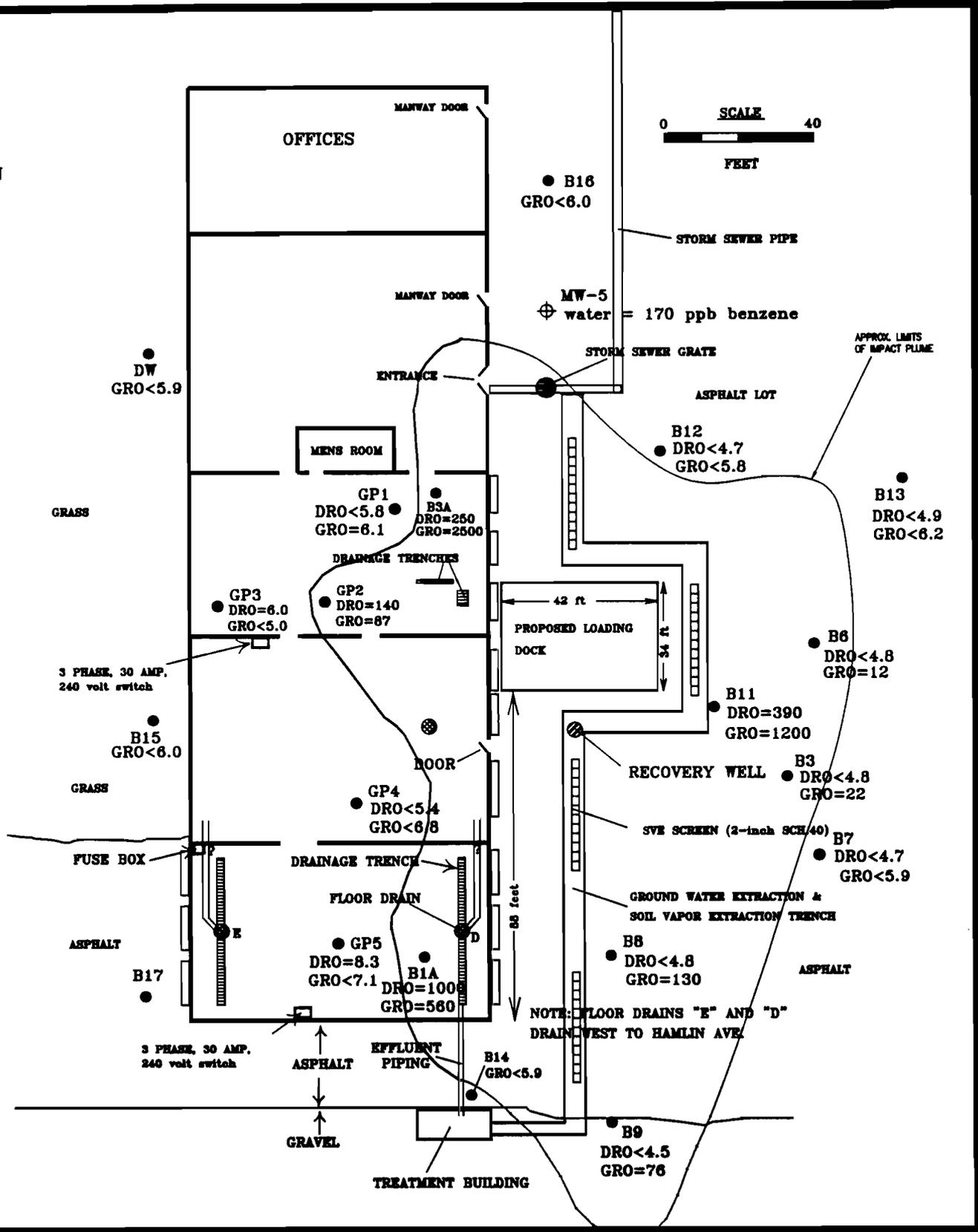
**Benzene Groundwater Map**

**FORMER RACINE TRUCK & EQUIPMENT**

2335 DURAND AVENUE  
RACINE, WI

Figure 1

Environmental Innovations, Inc.  
Drawn by: TWP 9/22/97 file: LAYOUT.dwg



**LEGEND**

- GP5 Geoprobe Boring (1/3/96) Post Remedial
- DRO = Diesel Range Organics (parts per million)
- GRO = Gasoline Range Organics (parts per million)

**Post Remedial Borings**

Environmental Innovations, Inc.  
 drawn by: T.J.M. 4/16/96 file: GEOPROBE.dwg

**FORMER RACINE TRUCK & EQUIPMENT**  
**2335 DURAND AVENUE**  
**RACINE, WI**

Figure 2

1521

CERTIFIED SURVEY MAP No. \_\_\_\_\_

PART OF NORTHEAST 1/4 OF THE NORTHWEST 1/4 OF  
SECTION 29, TOWNSHIP 3 NORTH, RANGE 23 EAST  
IN THE TOWN OF MT. PLEASANT, RACINE COUNTY,  
WISCONSIN.

SURVEYOR'S CERTIFICATE

I, ROBERT L. DUFFECK, hereby certify that I have prepared this Certified Survey Map the exterior boundaries of which are described as that part of the Northwest 1/4 of Section 29, Township 3 North, Range 23 East, in the town of Mt. Pleasant, Racine County, Wisconsin, bounded as follows: Begin at a standard Racine County monument marking the North 1 corner of said Section 29; run thence S01°42'14"E 633.71 feet along the East line of said Northwest 1/4 to the North line of Winthrop Avenue; thence S87°50'05"W 492.36 feet along said North line to the East line of a public alley; thence N01°42'14"W 633.71 feet along said East line to the North line of said Section 29 and the centerline of S. E.H. #11; thence N87°50'05"E 492.36 feet along said North line to the point of beginning. Containing 7.163 acres. HIAI I have complied with the provisions of Chapter 236.34 of the Wisconsin Statutes and Section 101.06 of the Mt. Pleasant Land Division Control Ordinance.

May 7, 1991

Robert L. Duffeck  
Robert L. Duffeck  
Nielsen Madsen & Barber, S.C.  
1339 Washington Avenue  
Racine, Wisconsin 53403  
(414)634-5588



OWNER'S CERTIFICATE OF DEDICATION

As Owner, I hereby certify that I caused the land described above to be surveyed, divided, mapped and dedicated as represented hereon in accordance with Section 101.06 of the Mt. Pleasant Land Division Control Ordinance. WITNESS the hand and seal of said Owner this 28th day of May, 1991.

Mary Schwindler  
WITNESS

MERCHANTS MOVING & STORAGE

James Eastman  
James Eastman, President  
1215 State Street  
Racine, Wisconsin 53404

TOWN'S CERTIFICATE

APPROVED as a Certified Survey Map this 28th day of May, 1991.

TOWN OF MT. PLEASANT

Joann M. Kovac  
Joann M. Kovac, Clerk/Treasurer

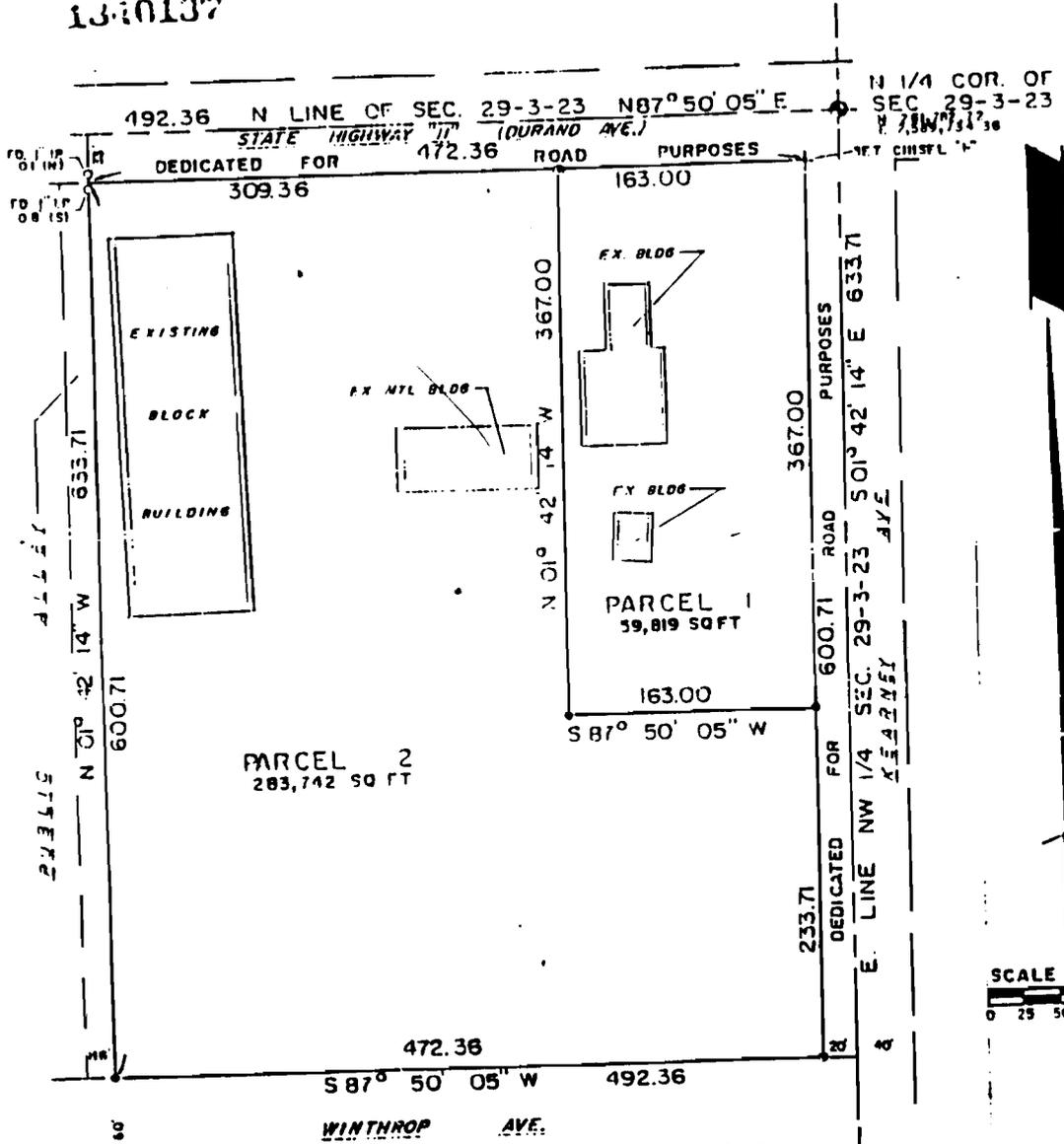
Register's Office }  
Racine County, Wis. } SS  
Received in Record ..... day of  
..... A.D. 19 ..  
o'clock .. M. and recorded in Volume ..  
of ..... on page ..

Helen M. Schuttens  
Register of Deeds

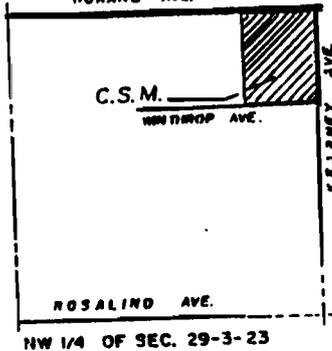
CERTIFIED SURVEY MAP NO. 1521

PART OF NORTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 29, TOWNSHIP 3 NORTH, RANGE 23 EAST IN THE TOWN OF MT. PLEASANT, RACINE COUNTY, WISCONSIN.

13:0107



LOCATION MAP  
 DURAND AVE.



New Parcel #'s:  
 1. 008-03-23-29-006-010  
 2. 008-03-23-29-006-020  
 FROM:  
 (X08-03-23-29-005-(XX)) &  
 (X08-03-23-29-006-(XX))

BEARINGS BASE: GRID NORTH  
 WISCONSIN COORDINATE SYSTEM  
 • = 3/4" DIAMETER REBAR  
 ○ = P.K. NAIL SET



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 on this property unless applicable requirements are met.

If construction is proposed on this property that will require dewatering, or if groundwater is to be otherwise extracted from this property, while this groundwater use restriction is in effect, the groundwater shall be sampled and analyzed for contaminants that were previously detected on the property and any extracted groundwater shall be managed in compliance with applicable statutes and rules.

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 or 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 owner of the property described above may request that the Wisconsin Department of Natural Resources or its successor issue a determination that one or more of the restrictions set forth in this covenant is no longer required. Upon the receipt of such a request, the Wisconsin Department of Natural Resources shall determine whether or not the restrictions contained herein can be extinguished. If the Department determines that the restrictions can be extinguished, an affidavit, attached to a copy of the Department's written determination, may be recorded to give notice that this deed restriction, or portions of this deed restriction, are no longer binding.

By signing this document, Greg Langenfeld asserts that he is duly authorized to sign this document on behalf of Laning Custom Design, Inc.

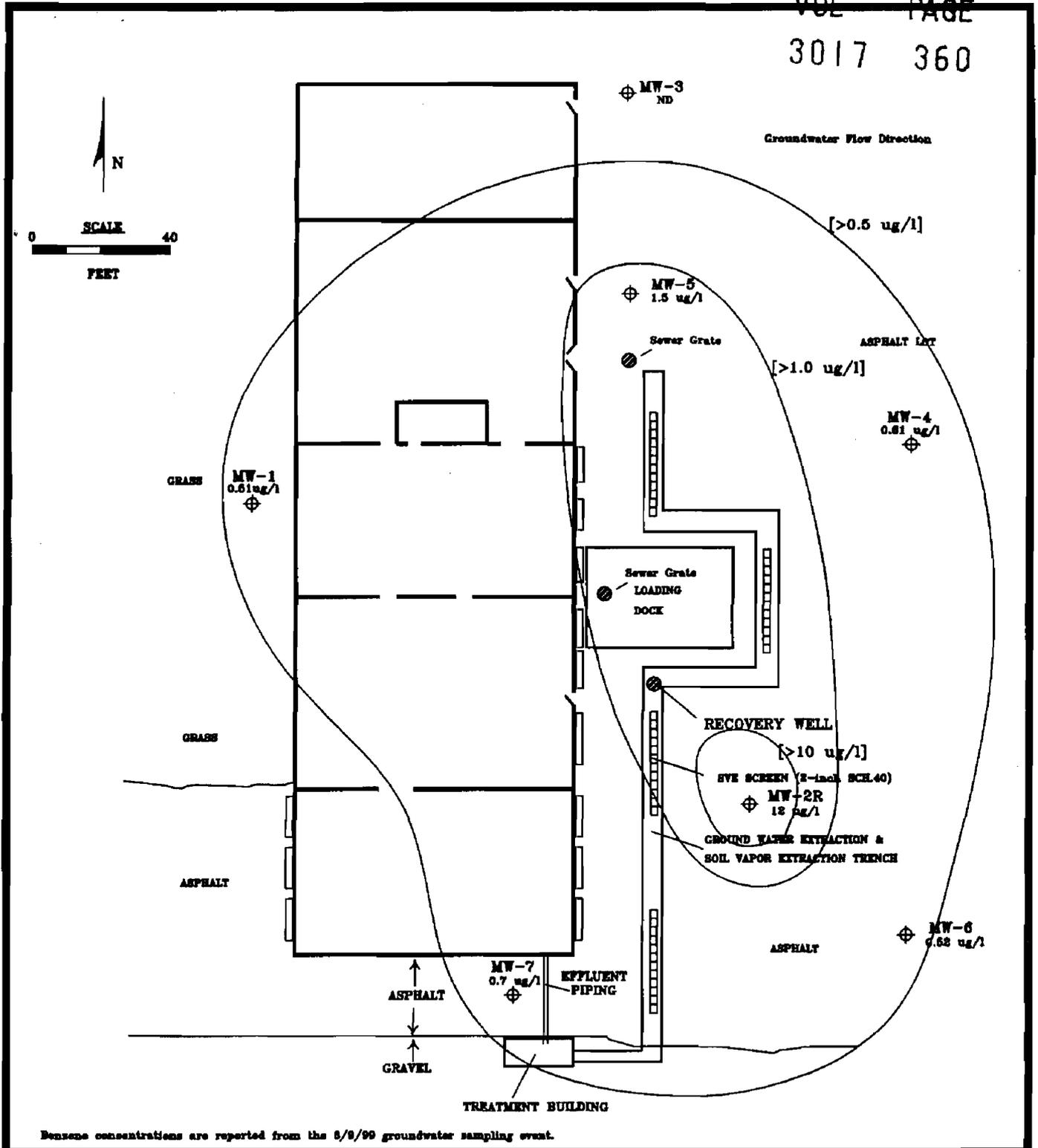
IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 4th day of April, 2000

Signature:   
Printed Name: GREG LANGENFELD

Subscribed and sworn to before me  
this 4th day of April, 2000

  
Notary Public, State of WISCONSIN  
My commission 3/9/2003

This document was drafted by Environmental Innovations, Inc., based on comments from the Wisconsin Department of Natural Resources.



Benzene concentrations are reported from the 6/8/99 groundwater sampling event.

**LEGEND**

- MW-5  
⊕ Monitoring Well
- 1.5 ug/l Benzene Concentration in Well  
(micrograms per liter)

**Benzene Groundwater Map**

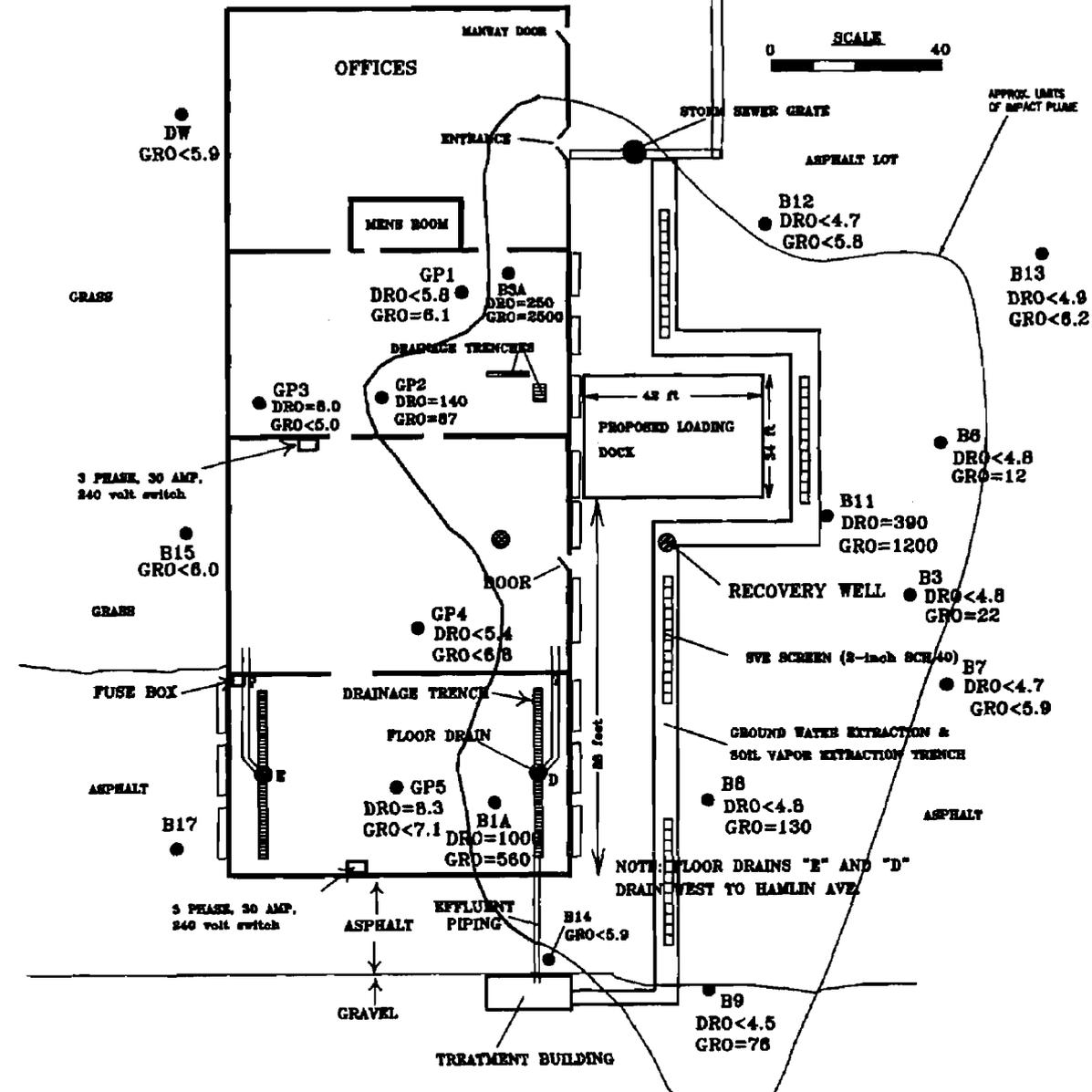
**FORMER RACINE TRUCK & EQUIPMENT**

2335 DURAND AVENUE  
RACINE, WI

Environmental Innovations, Inc.

Drawn by: TWP 9/22/97 file: LAYOUT.dwg

Figure 1



**LEGEND**

GP5  
● Geoprobe Boring (1/3/96) Post Remedial

DRO = Diesel Range Organics (parts per million)  
GRO = Gasoline Range Organics (parts per million)

**Post Remedial Borings**

**FORMER RACINE TRUCK & EQUIPMENT**  
2335 DURAND AVENUE  
RACINE, WI

Figure 2

Environmental Innovations, Inc.  
drawn by: T.J.M. 4/16/96 file: GEOPROBE.dwg

**Table 1 (1 OF 4)**  
**Groundwater Analytical Results**  
former Racine Truck and Equipment facility  
2335 Durand Avenue  
Racine, Wisconsin

Compound	ES	PAL	MW-1					MW-2 (Abandoned)					MW-2R					MW-3				
			3/11/98	8/11/98	11/17/98	2/23/99	6/9/99	3/5/93	6/23/93	10/26/93	3/29/94	5/19/95	3/11/98	8/11/98	11/17/98	2/23/99	6/9/99	3/11/98	8/11/98	11/17/98	2/23/99	6/9/99
DRO (ug/l)	NS	NS	NT	67	110	240	28	1600	1500	3600	800	740	NT	5300	3700	2800	1100	NT	540	220	380	180
GRO (ug/l)	NS	NS	ND	ND	ND	ND	ND	20000	8400	14000	5400	3100	NT	NT	2200	3600	560	NT	NT	NT	ND	ND
1,2 Dichloroethane	5	0.05	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
di Isopropyl ether	NS	NS	NT	NT	NT	NT	NT	70	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,2,4 Trimethylbenzene	NS	NS	0.47	ND	ND	ND	ND	1300	610	1200	490	110	300	13	100	350	ND	3.9	0.37	ND	ND	ND
1,3,5 Trimethylbenzene	NS	NS	ND	ND	ND	ND	ND	280	130	170	170	31	49	0.44	8	23	1	2.2	ND	ND	ND	ND
Benzene	5	0.5	ND	ND	ND	ND	ND	1600	1400	1800	430	20						6.7	0.4	1.1	ND	ND
Ethylbenzene	700	140	ND	ND	ND	ND	ND	2200	930	2200	750	100	510	15	63	140	2.1	10	ND	0.63	ND	ND
Isopropylbenzene	NS	NS	NT	NT	NT	NT	NT	75	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE	60	12	ND	ND	ND	ND	ND	ND	ND	ND	20	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
n-Butylbenzene	NS	NS	NT	NT	NT	NT	ND	90	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
n-Propylbenzene	NS	NS	NT	NT	NT	NT	ND	160	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	40	8	NT	NT	NT	NT	ND	260	NT	NT	NT	NT	NT	NT	NT	33	3.8	NT	NT	NT	ND	ND
Total Xylenes	620	124	0.79	ND	ND	ND	ND	3620	1300	2900	1000	132.8	756	15.6	107.1	271	ND	13.6	ND	1.3	ND	ND
Toluene	343	68.6	2.6	ND	ND	ND	ND	75	34	64	40	3.2	8.3	1.4	4.7	6	ND	1.6	ND	0.5	ND	ND

**NOTES:**

All results reported in micrograms per liter (ug/l) except where noted otherwise.  
NS - No Standard  
NT - Not Tested  
ND - Not Detected

## Table 1 (2 0F4) Groundwater Analytical Results

former Racine Truck and Equipment facility  
2335 Durand Avenue  
Racine, Wisconsin

Compound	ES	PAL	MW-4												
			3/5/93	6/23/93	10/26/93	3/29/94	5/19/95	5/29/96	12/5/96	8/11/97	3/11/98	8/12/98	11/17/98	2/23/99	6/9/99
DRO (ug/l)	NS	NS	ND	ND	ND	ND	280	230	200	180	NT	310	120	130	93
GRO (ug/l)	NS	NS	1100	170	130	ND	ND	ND	ND	ND	1200	ND	ND	ND	ND
1,2 Dichloroethane	5	0.05	ND	NT	NT	NT	NT	4.1	ND	ND	NT	NT	NT	ND	NT
di Isopropyl ether	NS	NS	27	NT	NT	NT	NT	ND	ND	ND	NT	NT	NT	NT	NT
1,2,4 Trimethylbenzene	NS	NS	3.4	ND	ND	ND	ND	ND	ND	ND	86	0.49	ND	ND	ND
1,3,5 Trimethylbenzene	NS	NS	1.2	ND	ND	ND	ND	ND	ND	ND	15	ND	ND	ND	ND
Benzene	5	0.5	54	13	19	ND	ND	ND	ND	ND	15	0.74	ND	ND	0.61
Ethylbenzene	700	140	18	5.5	ND	ND	ND	ND	ND	ND	160	0.5	ND	ND	ND
Isopropylbenzene	NS	NS	16	NT	NT	NT	NT	ND	ND	ND	NT	NT	NT	NT	NT
MTBE	60	12	ND	ND	ND	ND	ND	ND	ND	1.4	ND	ND	ND	ND	ND
n-Butylbenzene	NS	NS	63	NT	NT	NT	NT	ND	ND	ND	NT	NT	NT	NT	NT
n-Propylbenzene	NS	NS	32	NT	NT	NT	NT	ND	ND	ND	NT	NT	NT	NT	NT
Naphthalene	40	8	19	NT	NT	NT	NT	ND	ND	ND	NT	NT	NT	ND	ND
Total Xylenes	620	124	53.2	5.3	ND	ND	ND	ND	ND	ND	245.6	ND	ND	ND	ND
Toluene	343	68.6	2.9	ND	ND	ND	ND	ND	ND	ND	4.3	ND	ND	ND	ND

**NOTES:**

All results reported in micrograms per liter (ug/l) except where noted otherwise.

NS - No Standard

NT - Not Tested

ND - Not Detected

**Table 1 (3 OF 4)**  
**Groundwater Analytical Results**  
former Racine Truck & Equipment facility  
2335 Durand Avenue  
Racine, Wisconsin

Compound	ES	PAL	MW-5												
			3/5/93	6/23/93	10/26/93	3/29/94	5/19/95	5/29/96	12/5/96	8/11/97	3/12/98	8/12/98	11/17/98	2/23/99	6/9/99
DRO (ug/l)	NS	NS	340	670	580	170	660	400	570	370	NT	580	500	700	244
GRO (ug/l)	NS	NS	3900	3600	3000	2100	1600	900	290	240	100	160	ND	450	508
1,2 Dichloroethane	5	0.05	ND	NT	NT	NT	NT	4.7	ND	ND	NT	NT	NT	ND	NT
di Isopropyl ether	NS	NS	90	NT	NT	NT	NT	ND	ND	ND	NT	NT	NT	NT	NT
1,2,4 Trimethylbenzene	NS	NS	34	33	23	2.3	ND	ND	ND	0.94	6.3	0.7	ND	ND	ND
1,3,5 Trimethylbenzene	NS	NS	18	ND	14	10	4.8	ND	ND	ND	1.4	0.44	ND	0.85	ND
Benzene	5	0.5	170	440	480	250	110	16	6.2	15	0.8	2.5	ND	1.6	1.5
Ethylbenzene	700	140	230	150	50	90	66	5.2	ND	20	9.7	1.9	ND	3.4	18
Isopropylbenzene	NS	NS	46	NT	NT	NT	NT	20	11	15	NT	NT	NT	ND	NT
MTBE	60	12	31	ND	ND	24	22	16	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	NS	NS	24	NT	NT	NT	NT	5.3	ND	ND	NT	NT	NT	NT	NT
n-Propylbenzene	NS	NS	120	NT	NT	NT	NT	4.3	28	31	NT	NT	NT	NT	NT
Naphthalene	40	8	120	NT	NT	NT	NT	ND	ND	ND	NT	NT	NT	3.4	ND
Total Xylenes	620	124	197.5	170	33	32	16	ND	ND	5.2	15.91	5.6	ND	4.2	ND
Toluene	343	68.6	11	15	5.5	7.6	4.9	ND	ND	1.4	2.1	0.56	ND	1.1	ND

**NOTES:**

All results reported in micrograms per liter (ug/l) except where noted otherwise.

NS - No Standard

NT - Not Tested

ND - Not Detected

# Table 1 (4 of 4) Groundwater Analytical Results

former Racine Truck & Equipment facility  
2335 Durand Avenue  
Racine, Wisconsin

Compound	ES	PAL	MW-6											MW-7					
			6/23/93	10/26/93	3/29/94	5/19/95	5/29/96	12/5/96	8/11/97	3/11/98	8/12/98	11/17/98	2/23/99	6/9/99	3/11/98	8/12/98	11/17/98	2/23/99	6/9/99
DRO (ug/l)	NS	NS	ND	NT	ND	140	220	410	290	NT	130	59	200	68	NT	170	130	250	97
GRO (ug/l)	NS	NS	ND	NT	ND	22	ND	ND	120	140	180	120	244						
1,2 Dichloroethane	5	0.05	NT	NT	NT	NT	5.6	ND	ND	NT	NT	NT	ND	NT	NT	NT	NT	ND	NT
di Isopropyl ether	NS	NS	NT	NT	NT	NT	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,2,4 Trimethylbenzene	NS	NS	ND	NT	1.3	ND	ND	ND	ND	ND	ND	0.4	ND	ND	0.81	ND	ND	ND	ND
1,3,5 Trimethylbenzene	NS	NS	ND	NT	ND	ND	ND	0.49	ND	ND	ND	ND							
Benzene	5	0.5	ND	NT	1.4	ND	ND	0.52	ND	0.36	ND	ND	0.77						
Ethylbenzene	700	140	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND							
Isopropylbenzene	NS	NS	NT	NT	NT	NT	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
MTBE	60	12	ND	NT	ND	ND	ND	ND	NT	ND	ND	ND							
n-Butylbenzene	NS	NS	NT	NT	NT	NT	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
n-Propylbenzene	NS	NS	NT	NT	NT	NT	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	40	8	NT	NT	NT	NT	ND	ND	ND	NT	NT	NT	ND	ND	NT	NT	NT	ND	ND
Total Xylenes	620	124	ND	NT	5.7	ND	ND	ND	0.92	ND	ND	ND	ND						
Toluene	343	68.6	1.3	NT	2.8	ND	ND	ND	ND	1.1	ND	0.33	ND	ND	2.1	ND	ND	ND	ND

**NOTES:**

All results reported in micrograms per liter (ug/l) except where noted otherwise.

NS - No Standard

NT - Not Tested

ND - Not Detected

## Table 2 (1 of 2) Natural Attenuation Parameters

Former Racine Truck & Equipment Facility  
2335 Durand Avenue  
Racine, WI

Well No.	MW-1					MW-2R					MW-3					MW-4				
	3/11/98	8/11/98	11/17/98	2/23/99	6/9/99	3/11/98	8/11/98	11/17/98	2/23/99	6/9/99	3/11/98	8/11/98	11/17/98	2/23/99	6/9/99	3/11/98	8/11/98	11/17/98	2/23/99	6/9/99
Depth To Water (ft.)	8.15	8.87	8.64	8.70	8.55	4.85	5.63	5.72	5.08	5.06	5.00	5.57	5.37	5.37	5.25	4.75	5.72	5.78	5.21	5.15
pH	7.62	6.84	6.47	8.30	7.41	6.91	6.84	6.84	8.06	7.08	6.56	6.57	6.71	7.40	7.14	7.24	6.78	6.65	7.40	7.11
D. Oxygen (mg/l)	0.07	0.69	1.94	0.75	3.24	0.28	0.34	0.47	0.36	0.31	0.30	0.24	0.47	0.31	0.28	0.25	0.29	0.43	4.76	0.33
Temperature °C	3.80	15.90	15.70	4.42	16.63	9.00	20.00	NT	10.00	17.74	8.70	21.10	17.40	9.60	4.42	8.60	20.00	17.70	10.00	15.52
Alkal. (mg/l CaCO <sub>3</sub> )	NT	160	246	320	294	NT	462	513	564	470	NT	482	548	572	591	NT	428	379	462	585
Conductivity (uS)	0.60	0.60	0.80	0.67	0.6	1.20	1.30	1.20	1.15	1.18	1.40	2.70	1.80	2.58	2.45	1.00	1.40	0.50	1.23	2.06
Sulfate SO <sub>4</sub> <sup>2-</sup> (mg/l)	NT	104	236	68	72	NT	56	0	32	128	NT	840	282	648	>1000	NT	224	144	168	148
Iron (Fe <sup>2+</sup> ) (mg/l)	<0.01	0.28	0.17	<0.01	0.18	0.52	0.06	3.44	3.68	0.58	3.30	0.01	4.60	0.36	0.22	0.08	0.09	<0.01	0.04	0.41
ORP (mVolts)	205	55	110	40	-55	75	-30	-60	-100	20	-45	230	-80	80	55	245	200	175	50	30
Nitrate NO <sub>3</sub> <sup>-</sup> (mg/l)	3500	4900	2400	3800	NT	3800	6600	ND	160	NT	130	8300	61	240	NT	1100	520	8.1	4600	NT
Methane (ug/l)	ND	ND	36	1.1	NT	1400	470	2800	160	NT	760	220	920	ND	NT	370	1000	250	120	NT
Tot. Org. Carbon (ug/l)	4900	10000	8200	4700	NT	12000	18000	48000	63000	NT	19000	27000	13000	11000	NT	7200	26000	13000	6400	NT

NT - Not Tested

## Table 2 (2 of 2) Natural Attenuation Parameters

Former Racine Truck & Equipment Facility  
2335 Durand Avenue  
Racine, WI

Well No.	MW-5					MW-6					MW-7				
	3/11/98	8/11/98	11/17/98	2/23/99	6/9/99	3/11/98	8/11/98	11/17/98	2/23/99	6/9/99	3/11/98	8/11/98	11/17/98	2/23/99	6/9/99
Depth To Water (ft.)	4.85	5.83	5.91	5.39	5.35	5.00	5.80	5.95	5.53	5.50	4.85	5.32	5.09	5.02	4.95
pH	6.64	6.69	6.58	8.21	7.26	6.76	6.63	6.56	8.08	7.16	6.51	6.93	6.75	8.18	7.23
D. Oxygen (mg/l)	0.52	0.28	0.49	0.28	0.19	0.23	0.29	1.33	0.57	0.50	0.18	0.14	1.55	1.08	0.54
Temperature °C	9.00	21.10	16.80	12.40	17.74	9.00	20.00	16.50	8.30	15.52	8.70	20.00	15.80	5.53	16.63
Alkal. (mg/l CaCO <sub>3</sub> )	NT	382	358	473	562	NT	395	480	542	500	NT	145	348	386	330
Conductivity (uS)	2.90	1.30	2.10	1.17	1.26	1.30	1.50	1.10	1.31	1.12	1.30	1.30	1.40	1.25	1.18
Sulfate SO <sub>4</sub> <sup>2-</sup> (mg/l)	NT	65	528	84	304	NT	156	108	188	164	NT	464	108	172	140
Iron (Fe <sup>2+</sup> ) (mg/l)	0.36	5.48	<.01	3.32	3.30	0.05	0.01	<.01	<.01	0.23	0.00	145.00	<.01	<.01	0.23
ORP (mVolts)	205	-100	195	-100	-150	230	195	140	45	30	165	205	130	70	10
Nitrate NO <sub>3</sub> <sup>-</sup> (ug/l)	19000	37	1300	ND	NT	1300	2500	7100	6200	NT	4100	2900	1200	570	NT
Methane (ug/l)	19	2400	43	1700	NT	0.53	120	ND	3.9	NT	ND	1.20	ND	ND	NT
Tot. Org. Carbon (ug/l)	13000	25000	19000	36000	NT	8100	24000	11000	36000	NT	14000	7600	14000	22000	NT

NT - Not Tested

**Table 3**  
**Groundwater Elevations**  
Former Racine Truck & Equipment facility  
2335 Durand Avenue  
Racine, WI 53403

Monitoring Well ID	Top of PVC Elevation	Depth to GW										Water Table Elevation									
		5/18/98	8/11/97	9/20/97	9/27/97	10/23/97	7/14/98	9/12/98	10/7/98	2/23/99	6/7/99	5/18/98	8/11/97	9/20/97	9/26/97	10/23/97	7/14/98	9/12/98	10/7/98	2/23/99	6/7/99
MW-1	103.28	no data	no data	no data	no data	no data	9.1	9.25	8.6	8.70	8.55	no data	no data	no data	no data	no data	94.18	94.03	94.68	94.58	94.73
MW-2R	99.67	no data	no data	no data	no data	no data	5.57	6.03	5.82	5.08	5.06	no data	no data	no data	no data	no data	94.10	93.64	93.85	94.59	94.61
MW-3	99.72	no data	no data	no data	no data	no data	5.68	6.06	5.61	5.37	5.25	no data	no data	no data	no data	no data	94.04	93.98	94.11	94.35	94.47
MW-7	99.98	no data	no data	no data	no data	no data	5.47	7.76	5.32	5.02	4.95	no data	no data	no data	no data	no data	94.51	92.22	94.66	94.96	95.03
MW-4	99.76	4.48	5.98	5.34	5.65	5.94	5.65	6.07	5.91	5.21	5.15	95.28	93.78	94.42	94.11	93.82	94.11	93.69	93.85	94.55	94.61
MW-5	99.86	4.74	6.20	5.50	5.50	6.11	5.80	6.20	5.99	5.39	5.35	95.12	93.66	94.36	94.36	93.75	94.06	93.66	93.87	94.47	94.51
MW-6	100.07	4.78	5.98	5.90	5.72	5.95	5.75	6.26	6.02	5.53	5.50	95.29	94.09	94.17	94.35	94.12	94.32	93.81	94.05	94.54	94.57
RW-1	99.58	NR	NR	4.93	5.30	5.64	5.45	5.90	no data	NR	NR	NR	NR	94.65	94.28	93.94	94.13	93.68	no data	NR	NR

Notes:  
Elevations and depths are reported in feet.  
Elevations are based on local site datum.