TO: Eric Sandin, GEF II, Geo/8

Groundwater Use Registry Buckslip

Site Name Bitinas Phillips 66

Address 5513 CTH M

Boulder Junction, WI

BRRTS # 03-64-000150

GPS Location: _____ latitude _____ longitude

Date of Closure Decision 6/09/00

Required

- [x] Closure Letter
- [ ] Deeds for all properties with ES exceedance in Groundwater (Recorded GWUR)
- [ ] GPS location (latitude and longitude)
- [x] Location map
- [x] Detailed Site Map
- [x] Groundwater Flow Direction Diagram including location of monitoring wells and all drinking water wells
- [x] Latest Groundwater Plume Map with Groundwater Flow Direction
- [x] Latest Table of Analytical Results for Groundwater

If Available, include the following:

- [ ] Metes and Bounds Legal Description
- [x] Tax Parcel Number on deed # 36E46
- [x] Geologic cross sections showing soil and groundwater contaminant source extent and location, isoconcentrations for all groundwater contaminants that exceed NR 140 enforcement standards, water table and piezometric elevations, and the extent, location and elevation of geologic units, bedrock, and confining unites

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
William H. Smith, Regional Director

Northern Region Headquarters
107 Sutliff Ave.
Rhinelander, Wisconsin 54501-0818
Telephone 715-365-8900
FAX 715-365-8932
TDD 715-365-8957

June 9, 2000

Ms. Victoria Bitinas
C/o Gerry Inman
8029 Narrows Rd
Minocqua, WI 54548

Subject: Bitinas Phillips 66, 5513 CTH M, Boulder Junction, WI
BRRTS # 03-64-000150 PECFA # 54512-9999-09

Dear Ms. Bitinas:

The above-referenced site has been reviewed for closure by the Northern Region Closure Committee. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On November 18, 1999, you were notified that the Closure Committee had granted conditional closure to this case.

On June 9, 2000, the Department received correspondence indicating that you have complied with the conditions of closure, specifically the recording of a groundwater use restriction for the property. Based on the correspondence and the data provided, it appears that your site has been remediation to Department standards in accordance with 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.

However, please be aware that this case may be reopened pursuant to NR 726.09, Wis Adm Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare, or 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 715-365-8990.

Sincerely,
NORTHERN REGION

Janet Kazda

Janet Kazda
Program Assistant

c: File

Darren Engbring
Envirogen, Inc
PO Box 90
Pewaukee, WI 53072-0090

362413

Document Number

VOL 917 PAGE 651

GROUNDWATER USE RESTRICTION

RECORDED

MAY 2 2 2000

9:50am

REGISTER OF DEEDS, VILAS CO., WI

Recording Area

Name and Return Address

Darren E Engbring 16. 'pd
Envirogen, Inc
PO Box 90
Pewaukee, WI 53072-0090

36E46

Parcel Identification Number (PIN)

Declaration of Restrictions

In Re: Lots three (3) and Four (4), both in block Six (6) of the ASSESSOR'S PLAT OF THE VILLAGE OF Boulder Junction, located in Government Lot one, Northeast Quarter of the Northwest Quarter and Northwest Quarter of the Northeast Quarter, all in Section Twenty and Government Lots Four and Six in Section Seventeen all in Township Forty-two North, Range Seven East of the Fourth Principal Meriden, in the Town of Boulder Junction as appears of record in Volume 8 of Plats, page 7.

STATE OF WISCONSIN)
) ss
COUNTY OF VILAS)

WHEREAS, Victoria Bitinas is the owner of the above-described property.

WHEREAS, one or more gasoline and diesel discharges have occurred at this property. Contaminated groundwater above NR 140 enforcement standards exists in the northeast corner (GW-1) of this property on February 19, 1999. Contaminant concentrations were Benzene 6.7 ppb, Naphthalene 200 ppb, TMBs 1690 ppb and Xylenes 1900 ppb. Soil contamination exists on this property as shown on Figure 1. The majority of the soil contamination is located at a depth of 18-22 feet below land surface.

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 owner of the property described above may request that the Wisconsin 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 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, with a copy of the Department's written determination, may be recorded to give notice that this groundwater use restriction is no longer binding.

By signing this document, VICTORIA BITINAS asserts that he/she is duly authorized to sign this document on behalf of VICTORIA BITINAS.

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 10TH day of FEBRUARY, XX2000

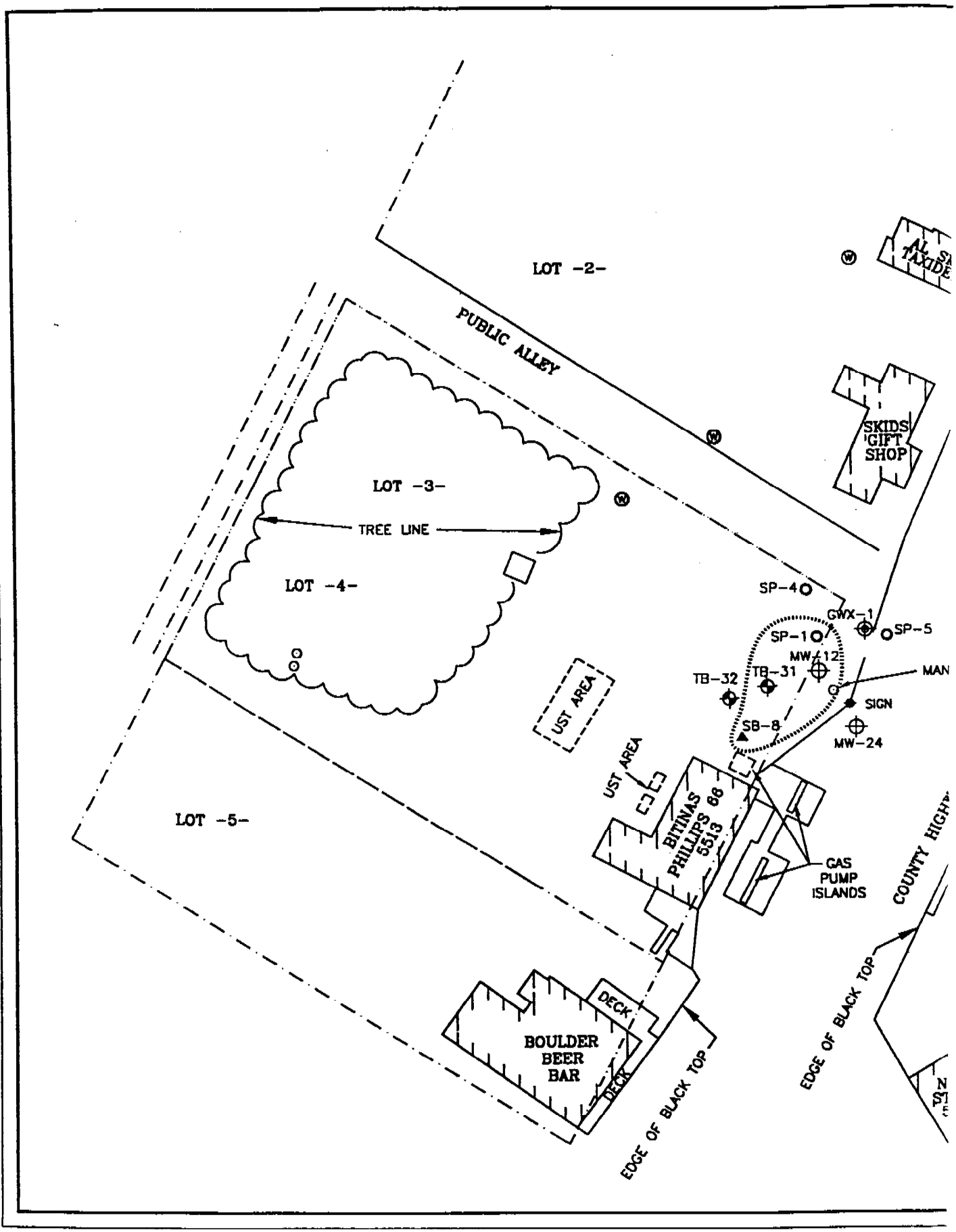
Signature: Victoria Bitinas
Printed Name: VICTORIA BITINAS

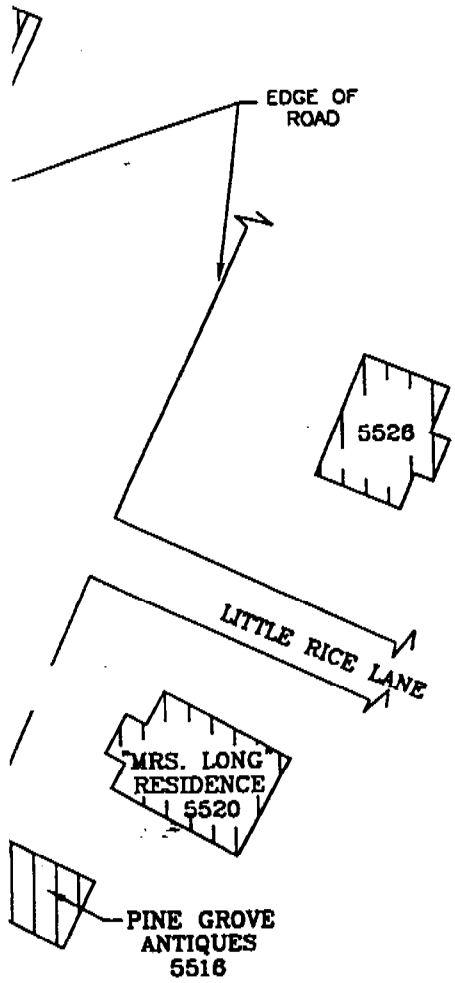
Subscribed and sworn to before me
this 10TH day of FEBRUARY, XX 2000

Margaret Schuenemann
Notary Public, State of WISCONSIN
My commission 2-18-01

MARGARET SCHUENEMANN
Notary Public
State of Wisconsin

This document was drafted by Envifogen, Inc. on behalf of Victoria Bitinas.


LOT -2-
PUBLIC ALLEY
SKIDS GIFT SHOP
LOT -3-
TREE LINE
LOT -4-
SP-4
GWX-1
SP-5
SP-1
MW-12
TB-31
TB-32
MAN
SIGN
SB-8
MW-24
UST AREA
UST AREA
BITINAS PHILLIPS 66 5513
LOT -5-
GAS PUMP ISLANDS
COUNTY HIGH
DECK
BOULDER BEER BAR
DECK
EDGE OF BLACK TOP
EDGE OF BLACK TOP



LEGEND

- MONITORING WELL
- GROUNDWATER EXTRACTION WELL
- TEST BORING
- SOIL BORING
- SPARGE WELL
- PRIVATE POTABLE WELL
- RESIDUAL SOIL BENZENE ISOCONCENTRATION CONTOUR

N

UST AREA

FORMER 10,000-GALLON UNLEADED GASOLINE
FORMER 6,000-GALLON GASOLINE
FORMER 8,000-GALLON #2 FUEL OIL
FORMER 4,000-GALLON ULEADED GASOLINE
FORMER 550-GALLON PRE MIX

UST AREA

FORMER 550-GALLON FUEL OIL
FORMER 550-GALLON FUEL OIL

SCALE

0 60'

ENVIROGEN

COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT

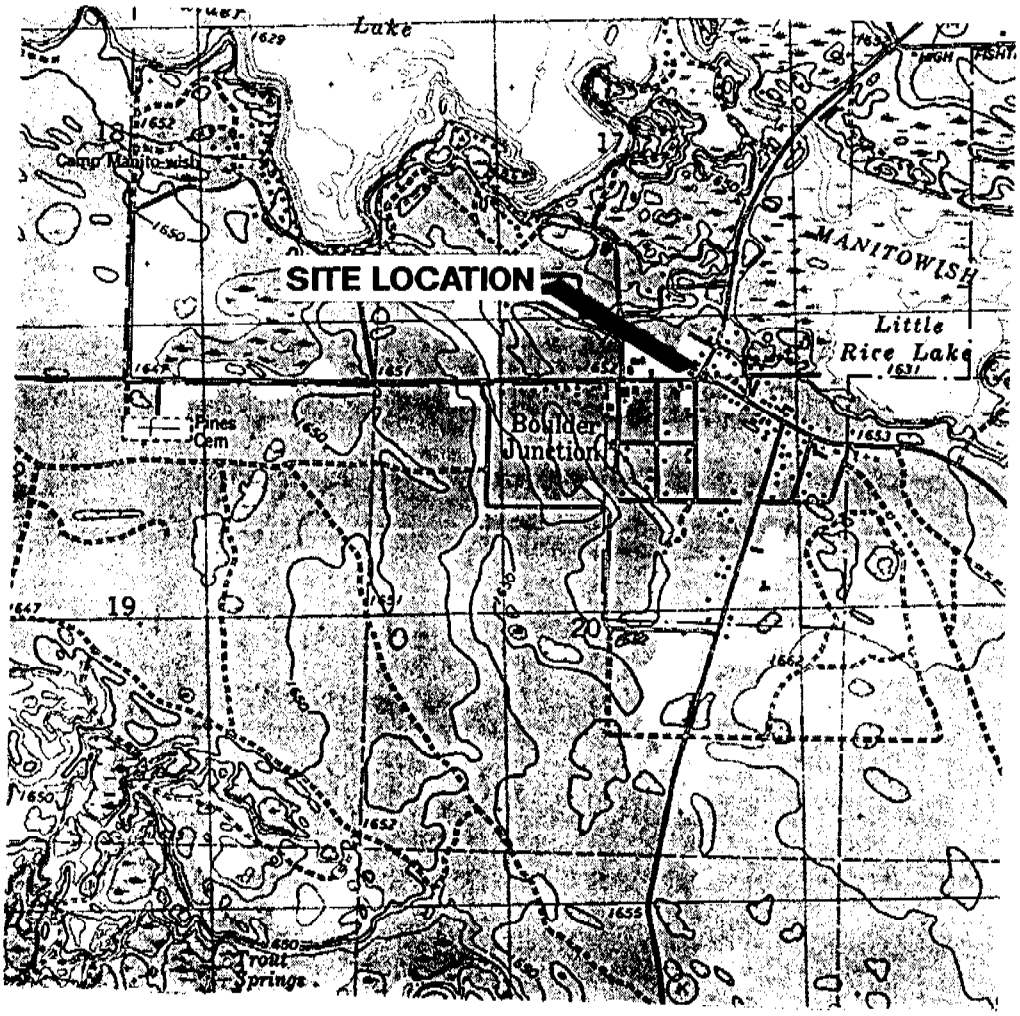
2835 North Grandview Blvd.
Pewaukee, Wisconsin 53072-0090

RESIDUAL SOIL BENZENE DISTRIBUTION

BITINAS PHILLIPS 66 SERVICE SITE
BOULDER JUNCTION, WISCONSIN

FIGURE NO. 1

DATE	ENGINEER	DATE	ENGINEER	REVISIONS:	APPROVED BY:	CHECKED BY:	12/02/99	RRT	DRAWN BY:	95.174L21	DRAWING NO.



(USGS 1981)

SCALE
1:24000

1/2 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET

LOCATION

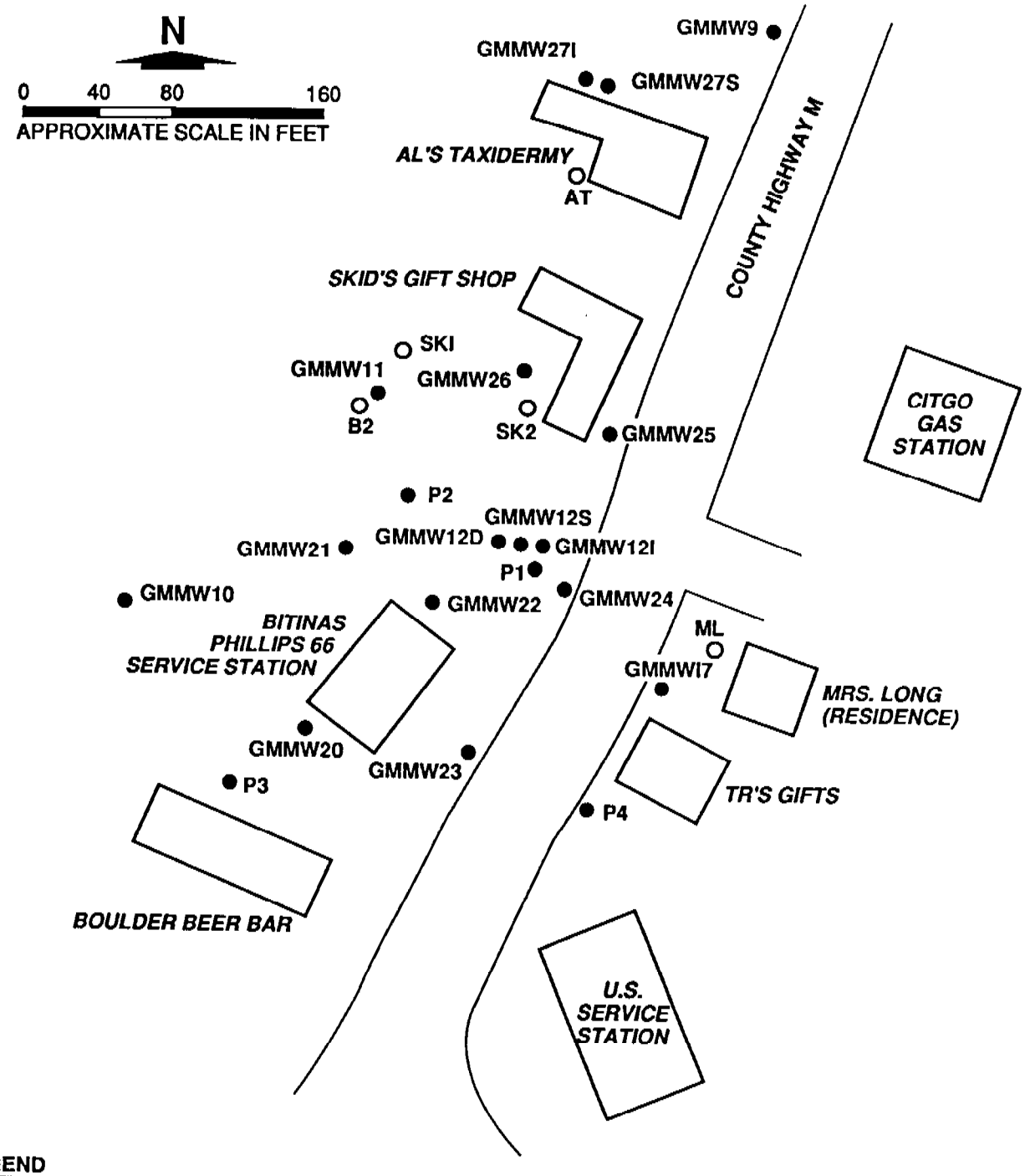
ENVIROGEN

COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT

2835 North Grandview Blvd.
Pewaukee, Wisconsin 53072-0090

SITE LOCATION MAP BITINAS PHILLIPS 66 SERVICE SITE BOULDER JUNCTION, WISCONSIN	FIGURE NO. 1

DATE	
ENGINEER	
DATE	
ENGINEER	
REVISIONS:	
APPROVED BY:	
CHECKED BY:	
5/5/99	
DRAWN BY:	LME
DRAWING NO.	95.174L1



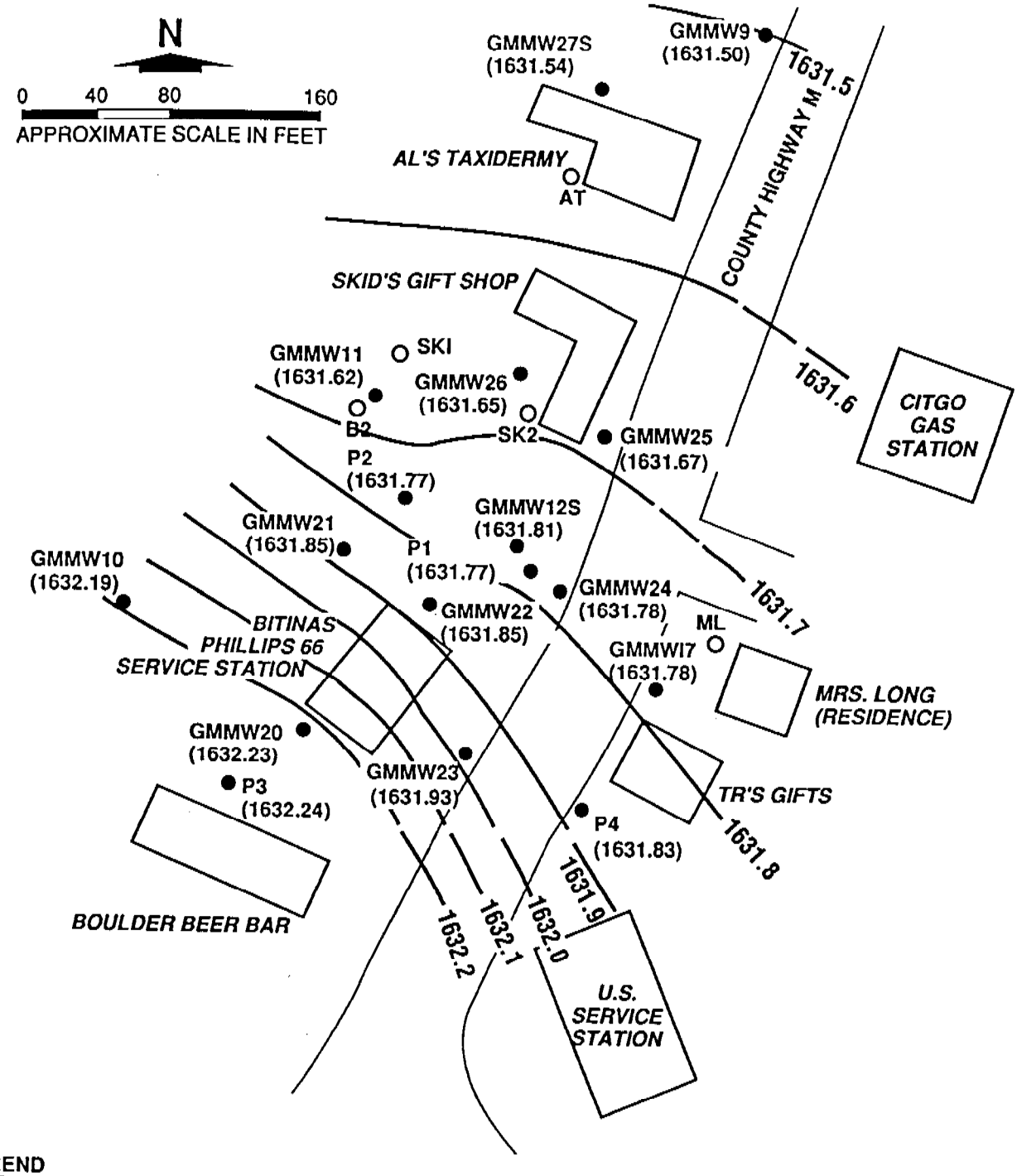
LEGEND

GMMW9 ● MONITORING WELL LOCATION

SK1 ○ PRIVATE WATER SUPPLY WELL LOCATION

GERAGHTY & MILLER, INC.
Environmental Services

FIGURE 3
SITE VICINITY MAP SHOWING
MONITORING AND PRIVATE WELL LOCATIONS
BITINAS PHILLIPS 66
SERVICE STATION
BOULDER JUNCTION, WISCONSIN



LEGEND

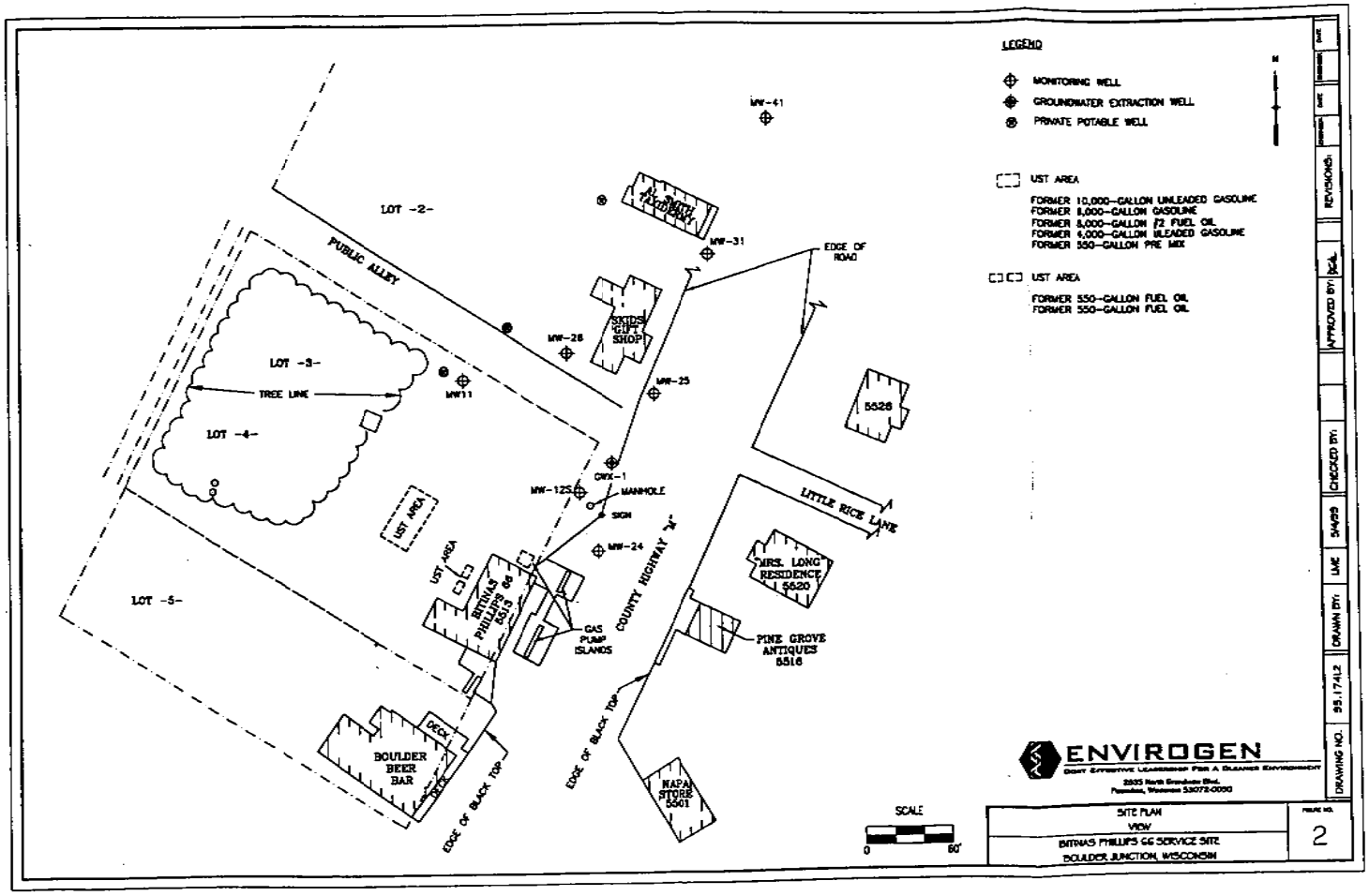
GMMW9 ● SHALLOW MONITORING WELL LOCATION

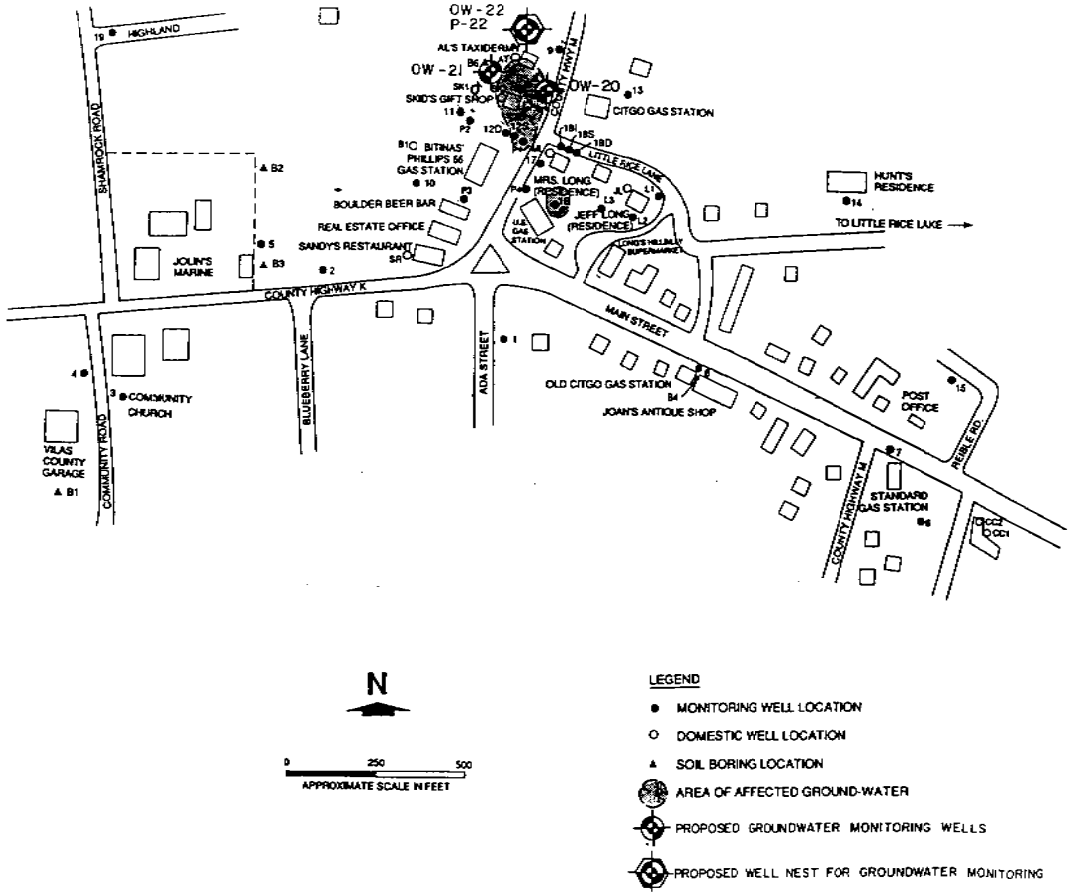
(1631.50) GROUND-WATER ELEVATION

—1630.1— GROUND-WATER ELEVATION CONTOUR

GERAGHTY & MILLER, INC.
Environmental Services

FIGURE 7
SHALLOW GROUND-WATER ELEVATION
SEPTEMBER 10, 1990
BITINAS PHILLIPS 66
SERVICE STATION
BOULDER JUNCTION, WISCONSIN


LEGEND
MONITORING WELL
GROUNDWATER EXTRACTION WELL
PRIVATE POTABLE WELL
UST AREA
FORMER 10,000-GALLON UNLEADED GASOLINE
FORMER 8,000-GALLON GASOLINE
FORMER 8,000-GALLON #2 FUEL OIL
FORMER 4,000-GALLON UNLEADED GASOLINE
FORMER 550-GALLON PRE MIX
UST AREA
FORMER 550-GALLON FUEL OIL
FORMER 550-GALLON FUEL OIL
LOT -2-
LOT -3-
LOT -4-
LOT -5-
PUBLIC ALLEY
TREE LINE
MW-41
MW-31
MW-28
MW-25
MW11
MW-12S
MW-24
GWX-1
MANHOLE
SIGN
EDGE OF ROAD
SKIDS GIFT SHOP
5528
LITTLE RICE LANE
MRS. LONG RESIDENCE 5520
PINE GROVE ANTIQUES 5516
NAPA STORE 5501
COUNTY HIGHWAY "M"
BITINAS PHILLIPS 66 5513
GAS PUMP ISLANDS
UST AREA
UST AREA
BOULDER BEER BAR
DECK
DECK
EDGE OF BLACK TOP
EDGE OF BLACK TOP
SCALE
0
60'
ENVIROGEN
SITE PLAN
VIEW
BITINAS PHILLIPS 66 SERVICE SITE
BOULDER JUNCTION, WISCONSIN
FIGURE NO.
2
DRAWING NO.
95.174L2
DRAWN BY:
LME
5/4/99
CHECKED BY:
APPROVED BY:
REVISIONS:



REFERENCE : EXISTING CONDITIONS REPORT, BOULDER JUNCTION, WI.
PREPARED BY : GERAGHTY & MILLER, INC. MARCH 1989.

Donohue

JAN. 1990

17564.500

Engineers • Architects • Scientists

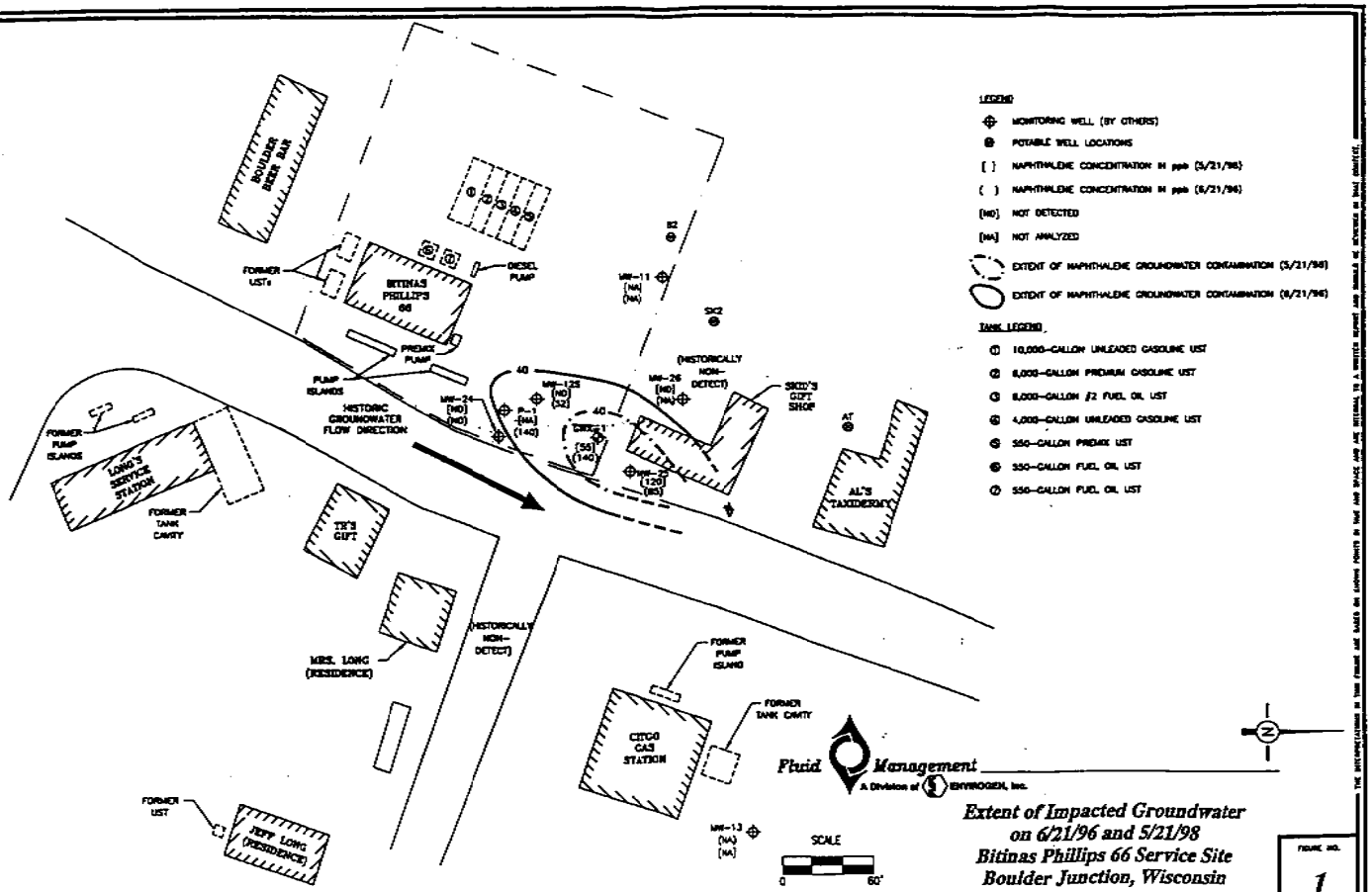
GROUNDWATER WELL AND SOIL BORING LOCATIONS

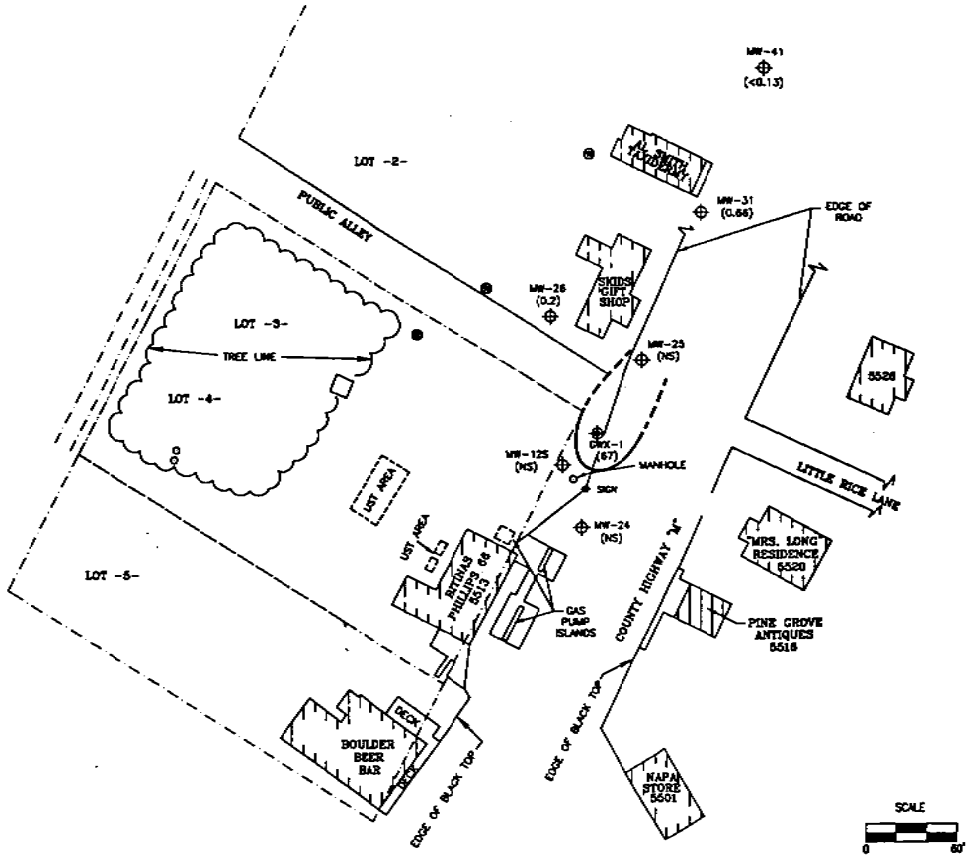
BITINAS' PHILLIPS 66 SERVICE STATION

BOULDER JUNCTION, WISCONSIN

FIGURE 2

L-5173


BOULDER BEER BAR
FORMER USTs
BITINAS PHILLIPS 66
DIESEL PUMP
PREMIX PUMP
PUMP ISLANDS
HISTORIC GROUNDWATER FLOW DIRECTION
MW-11 [NA] [NA]
SK2
(HISTORICALLY NON-DETECT)
SKOO'S GIFT SHOP
AT
AL'S TAXIDERMY
FORMER PUMP ISLANDS
LONG'S SERVICE STATION
FORMER TANK CAVITY
TX'S GIFT
MRS. LONG (RESIDENCE)
(HISTORICALLY NON-DETECT)
FORMER PUMP ISLAND
FORMER TANK CAVITY
CITGO GAS STATION
FORMER UST
JEFF LONG (RESIDENCE)
MW-13 [NA] [NA]
SCALE
0
60'
LEGEND
MONITORING WELL (BY OTHERS)
POTABLE WELL LOCATIONS
[ ] NAPHTHALENE CONCENTRATION IN ppb (5/21/98)
( ) NAPHTHALENE CONCENTRATION IN ppb (6/21/96)
[ND] NOT DETECTED
[NA] NOT ANALYZED
EXTENT OF NAPHTHALENE GROUNDWATER CONTAMINATION (5/21/98)
EXTENT OF NAPHTHALENE GROUNDWATER CONTAMINATION (6/21/96)
TANK LEGEND
1 10,000-GALLON UNLEADED GASOLINE UST
2 8,000-GALLON PREMIUM GASOLINE UST
3 8,000-GALLON #2 FUEL OIL UST
4 4,000-GALLON UNLEADED GASOLINE UST
5 550-GALLON PREMIX UST
6 550-GALLON FUEL OIL UST
7 550-GALLON FUEL OIL UST
Fluid Management
A Division of ENVIROGEN, Inc.
Extent of Impacted Groundwater
on 6/21/96 and 5/21/98
Bitinas Phillips 66 Service Site
Boulder Junction, Wisconsin
FIGURE NO.
1
DRAWING NO.
95.174.B1
DRAWN BY:
LMC
6/15/98
CHECKED BY:
APPROVED BY:



LEGEND

- MONITORING WELL
- GROUNDWATER EXTRACTION WELL
- PRIVATE POTABLE WELL
- (NS) NOT SAMPLED
- ( ) BENZENE CONCENTRATION IN ppb
- BENZENE ISOCONCENTRATION CONTOUR
- UST AREA

FORMER 10,000-GALLON UNLEADED GASOLINE
FORMER 8,000-GALLON GASOLINE
FORMER 8,000-GALLON #2 FUEL OIL
FORMER 4,000-GALLON ULEADED GASOLINE
FORMER 550-GALLON PRE MIX

- UST AREA

FORMER 550-GALLON FUEL OIL
FORMER 550-GALLON FUEL OIL

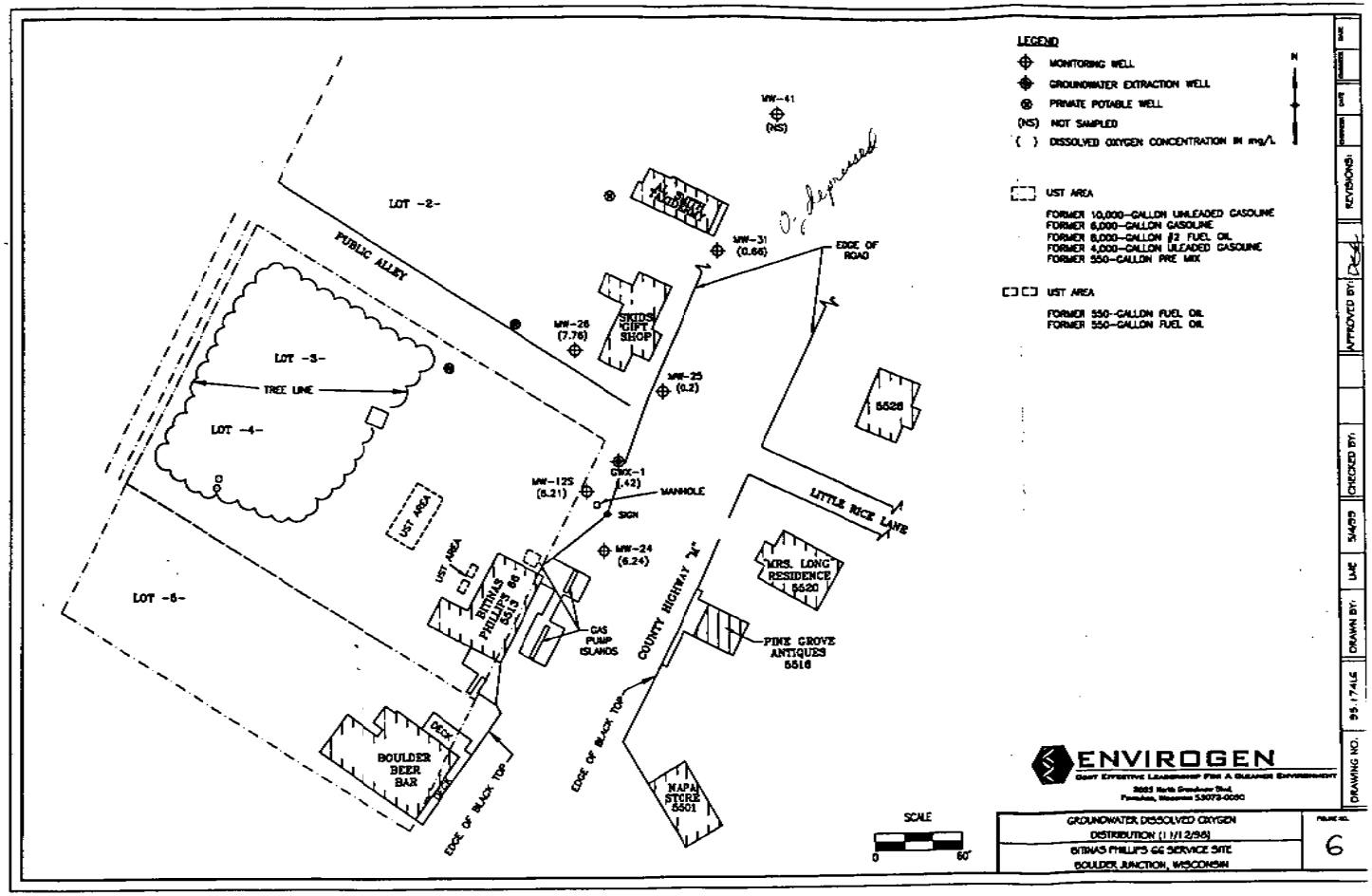
NOTE: THE NR140 ENFORCEMENT STANDARD FOR BENZENE IS 5.0 ppb.

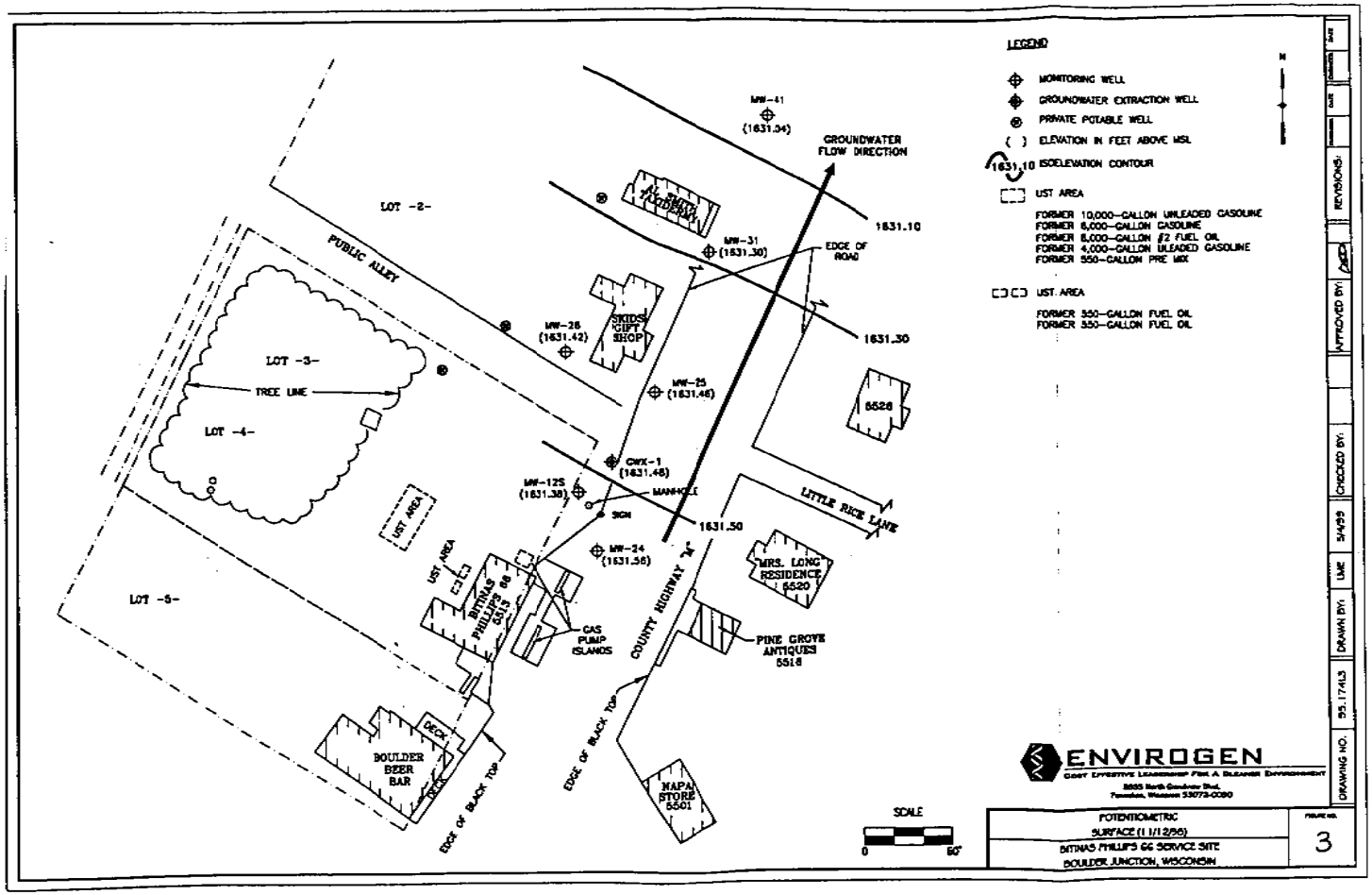
ENVIROGEN
GREAT EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT
2685 North Grandview Blvd.
Pewaukee, Wisconsin 53072-0060

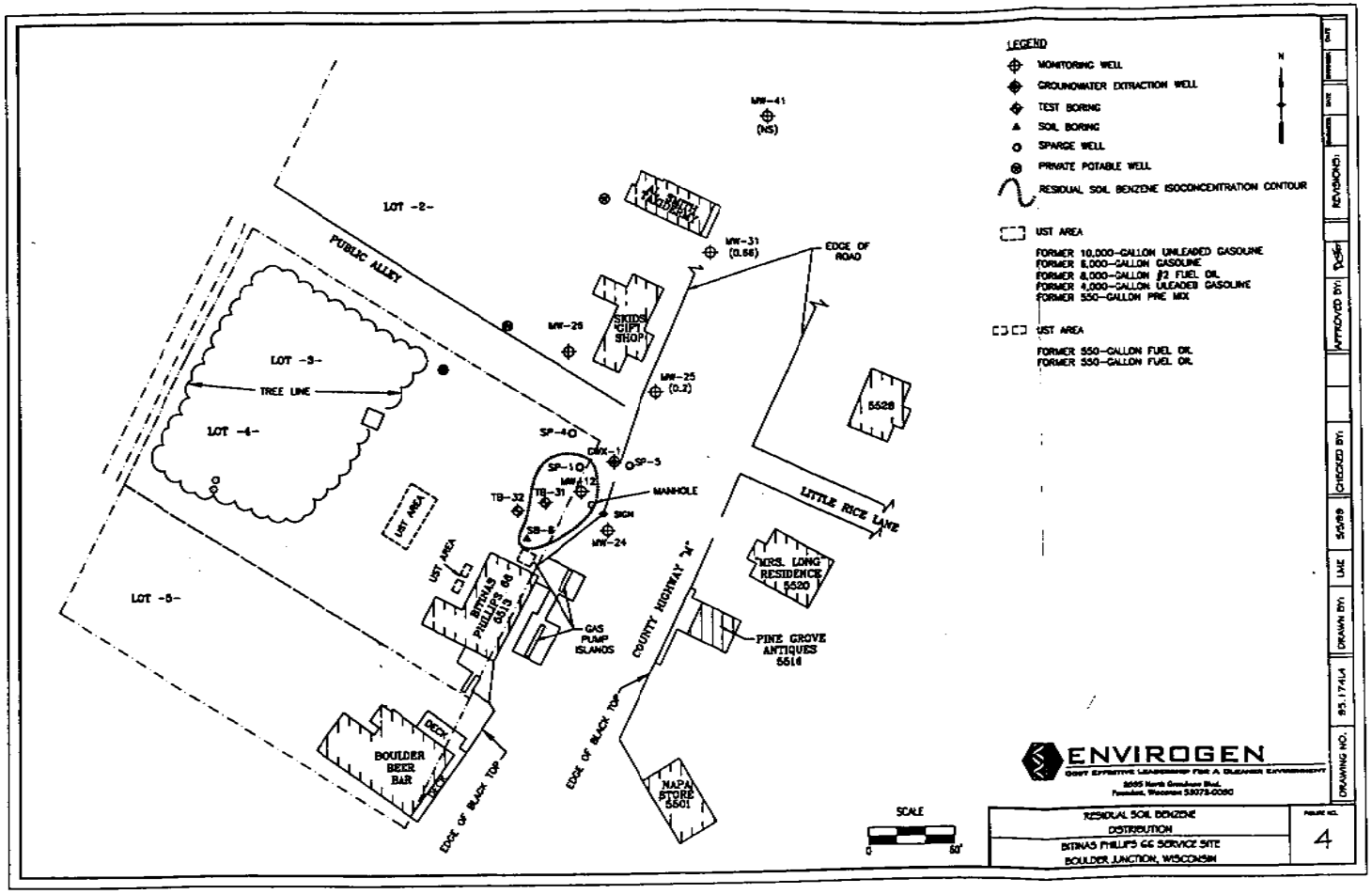
GROUNDWATER BENZENE DISTRIBUTION (2/19/99)
BITINAS PHILLIPS 66 SERVICE SITE
BOULDER JUNCTION, WISCONSIN

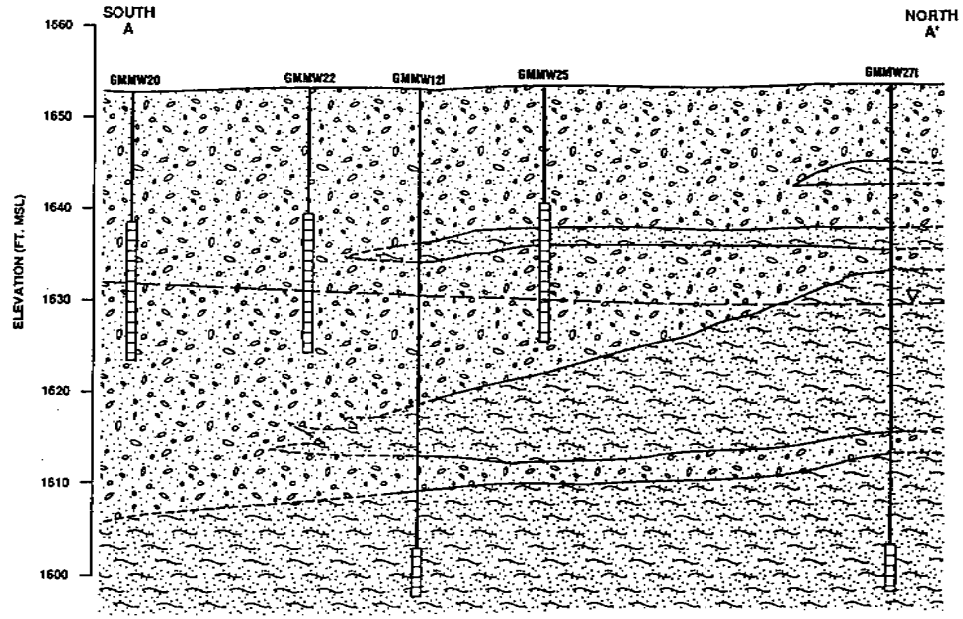
FIGURE NO. 5

DRAWING NO.	95.17415	DRAWN BY:	LMF	3/4/99	CHECKED BY:	APPROVED BY:	REVISIONS:	DATE	DRAWN BY	DATE	CHECKED BY	DATE


LEGEND
MONITORING WELL
GROUNDWATER EXTRACTION WELL
PRIVATE POTABLE WELL
(NS) NOT SAMPLED
( ) DISSOLVED OXYGEN CONCENTRATION IN mg/L
UST AREA
FORMER 10,000-GALLON UNLEADED GASOLINE
FORMER 6,000-GALLON GASOLINE
FORMER 8,000-GALLON #2 FUEL OIL
FORMER 4,000-GALLON ULEADED GASOLINE
FORMER 550-GALLON PRE MIX
UST AREA
FORMER 550-GALLON FUEL OIL
FORMER 550-GALLON FUEL OIL
N
MW-41 (NS)
MW-31 (0.66)
EDGE OF ROAD
O. depressed
LOT -2-
PUBLIC ALLEY
SKIDS GIFT SHOP
MW-26 (7.76)
MW-25 (0.2)
LOT -3-
TREE LINE
LOT -4-
5528
GWX-1 (.42)
MW-12S (5.21)
MANHOLE
SIGN
LITTLE RICE LANE
UST AREA
UST AREA
MW-24 (6.24)
MRS. LONG RESIDENCE 5520
LOT -5-
BITINAS PHILLIPS 66 5513
GAS PUMP ISLANDS
COUNTY HIGHWAY "M"
PINE GROVE ANTIQUES 5516
DECK
BOULDER BEER BAR
EDGE OF BLACK TOP
EDGE OF BLACK TOP
NAPA STORE 5501
SCALE
0
60'
ENVIROGEN
GROUNDWATER DISSOLVED OXYGEN DISTRIBUTION (11/12/98)
BITINAS PHILLIPS 66 SERVICE SITE
BOULDER JUNCTION, WISCONSIN
6
DRAWING NO. 95.174LE
DRAWN BY: LME
5/4/99
CHECKED BY:
APPROVED BY:
REVISIONS:


LEGEND
MONITORING WELL
GROUNDWATER EXTRACTION WELL
PRIVATE POTABLE WELL
( ) ELEVATION IN FEET ABOVE MSL
1631.10 ISOELEVATION CONTOUR
UST AREA
FORMER 10,000-GALLON UNLEADED GASOLINE
FORMER 6,000-GALLON GASOLINE
FORMER 8,000-GALLON #2 FUEL OIL
FORMER 4,000-GALLON UNLEADED GASOLINE
FORMER 550-GALLON PRE MIX
UST AREA
FORMER 550-GALLON FUEL OIL
FORMER 550-GALLON FUEL OIL
N
MW-41 (1631.04)
GROUNDWATER FLOW DIRECTION
1631.10
MW-31 (1631.30)
EDGE OF ROAD
1631.30
LOT -2-
PUBLIC ALLEY
SKIDS GIFT SHOP
MW-28 (1631.42)
LOT -3-
TREE LINE
LOT -4-
MW-25 (1631.46)
6526
GWX-1 (1631.48)
MW-12S (1631.38)
MANHOLE
SIGN
1631.50
LITTLE RICE LANE
UST AREA
UST AREA
MW-24 (1631.56)
MRS. LONG RESIDENCE 5520
BITINAS PHILLIPS 66 5513
GAS PUMP ISLANDS
COUNTY HIGHWAY "M"
PINE GROVE ANTIQUES 5516
LOT -5-
DECK
BOULDER BEER BAR
DECK
EDGE OF BLACK TOP
EDGE OF BLACK TOP
NAPA STORE 5501
SCALE
0
60'
ENVIROGEN
POTENTIOMETRIC SURFACE (11/12/96)
BITINAS PHILLIPS 66 SERVICE SITE
BOULDER JUNCTION, WISCONSIN
3
DRAWING NO. 95.17413
DRAWN BY: LME
5/4/99
CHECKED BY:
APPROVED BY:
REVISIONS:


LEGEND
MONITORING WELL
GROUNDWATER EXTRACTION WELL
TEST BORING
SOIL BORING
SPARGE WELL
PRIVATE POTABLE WELL
RESIDUAL SOIL BENZENE ISOCONCENTRATION CONTOUR
UST AREA
FORMER 10,000-GALLON UNLEADED GASOLINE
FORMER 6,000-GALLON GASOLINE
FORMER 8,000-GALLON #2 FUEL OIL
FORMER 4,000-GALLON ULEADED GASOLINE
FORMER 550-GALLON PRE MIX
UST AREA
FORMER 550-GALLON FUEL OIL
FORMER 550-GALLON FUEL OIL
N
LOT -2-
LOT -3-
LOT -4-
LOT -5-
PUBLIC ALLEY
TREE LINE
MW-41 (NS)
MW-31 (0.66)
MW-26
MW-25 (0.2)
SKIDS GIFT SHOP
EDGE OF ROAD
5528
LITTLE RICE LANE
SP-4
SP-1
SP-5
MW-12
TB-31
TB-32
SB-8
MANHOLE
SIGN
MW-24
UST AREA
BITINAS PHILLIPS 66 5513
GAS PUMP ISLANDS
COUNTY HIGHWAY "M"
MRS. LONG RESIDENCE 5520
PINE GROVE ANTIQUES 5516
BOULDER BEER BAR
DECK
EDGE OF BLACK TOP
NAPA STORE 5501
SCALE
0
50'
ENVIROGEN
RESIDUAL SOIL BENZENE DISTRIBUTION
BITINAS PHILLIPS 66 SERVICE SITE
BOULDER JUNCTION, WISCONSIN
4
DRAWING NO.
95.174L4
DRAWN BY:
LME
5/5/99
CHECKED BY:
APPROVED BY:
REVISIONS:



0 50 100 200
APPROXIMATE SCALE IN FEET

LEGEND

VERY FINE SAND WITH SOME SILTY SAND UNITS

SAND AND GRAVEL

GROUND WATER ELEVATIONS MEASURED SEPTEMBER 10, 1990

GERAGHTY & MILLER, INC.
Environmental Services

FIGURE 5
SOUTH - NORTH
GEOLOGIC CROSS-SECTION A-A'
BITINAS PHILLIPS 66
SERVICE STATION
BOULDER JUNCTION, WISCONSIN

Groundwater Quality Analytical Results
MW-25
Bitinas 66
Boulder Junction, Wisconsin

TABLE 1

Sample Date	PARAMETERS								
	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naphthalene	Total PVOCs
8/29/88	NA	NA	NA	NA	NA	NA	NA	NA	0
11/15/88	NA	NA	NA	NA	NA	NA	NA	NA	0
8/11/90	<1.0	<5.0	<1.0	<5.0	NA	NA	<5.0	NA	0
4/2/92	**52**	**360**	**980**	**1800**	**480**	**300**	<100	**130**	3972
11/9/94	**6.8**	**25**	**34**	**100**	**33**	**13**	<1.0	<1.0	211.8
5/11/95	**<100**	**590**	**290**	**2,100**	**1200**	**570**	<100	**140**	4750
10/4/95	**3.7**	**6.3**	**7.5**	**36**	**12**	**5.2**	<1.0	**5.2**	70.7
4/10/96	**7.4**	**100**	**100**	**470**	**170**	**52**	<1.0	NA	899.4
6/21/96	**3.8**	**150**	**27**	**550**	**380**	**180**	<5.0	**85**	1290.8
9/11/96	<1.0	**71**	**13**	**360**	**200**	**89**	<2.0	NA	733
5/21/98	<4.4	**130**	**19**	**670**	**340**	**140**	<4.8	**120**	1299
8/21/98	<1.3	**190**	**36**	**1200**	**350**	**120**	<1.6	**110**	1896
11/12/98	**1.6**	**11**	**5.3**	**46**	**34**	**13**	<1.6	**22**	110.9
02/19/99	NA	NA	NA	NA	NA	NA	NA	NA	0
10/07/99	<0.26	**6.5**	**0.43**	**13.4**	**46**	**28**	**0.31**	**22**	94.64
12/30/99	0	0	0	0	0	0	0		0
12/30/99	0	0	0	0	0	0	0		0
12/30/99	0	0	0	0	0	0	0		0
NR 140 ES	5	700	343	620	480*	480*	60	40	1728
NR 140 PAL	0.5	140	68.6	124	96*	96*	12	8	345.1

Why Bold?

Groundwater Quality Analytical Results
MW-31
Bitinas 66
Boulder Junction, Wisconsin

TABLE 2

Sample Date	PARAMETERS								
	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naphthalene	Total PVOCs
8/29/88	NA	NA	NA	NA	NA	NA	NA	NA	0
11/15/88	NA	NA	NA	NA	NA	NA	NA	NA	0
8/11/90	NA	NA	NA	NA	NA	NA	NA	NA	0
4/2/92	NA	NA	NA	NA	NA	NA	NA	NA	0
11/9/94	NA	NA	NA	NA	NA	NA	NA	NA	0
5/11/95	NA	NA	NA	NA	NA	NA	NA	NA	0
10/4/95	NA	NA	NA	NA	NA	NA	NA	NA	0
4/10/96	NA	NA	NA	NA	NA	NA	NA	NA	0
6/21/96	NA	NA	NA	NA	NA	NA	NA	NA	0
9/11/96	NA	NA	NA	NA	NA	NA	NA	NA	0
5/21/98	NA	NA	NA	NA	NA	NA	NA	NA	0
8/21/98	<0.13	**61**	**6.8**	**160**	**65**	**49**	**4**	**120**	345.8
11/12/98	**1.2**	**3.8**	**2**	**6.2**	**2.9**	<1.5	**1.2**	**49**	17.3
02/19/99	**0.66**	<0.22	**0.33**	**0.75**	**0.28**	<0.29	<0.16	**19**	2.02
10/07/99	<0.26	<0.24	<0.21	<1.34	<0.86	<0.54	<0.22	<0.89	0
12/30/99	0	0	0	0	0	0	0		0
12/30/99	0	0	0	0	0	0	0		0
12/30/99	0	0	0	0	0	0	0		0
NR 140 ES	5	700	343	620	480*	480*	60	40	1728
NR 140 PAL	0.5	140	68.6	124	96*	96*	12	8	345.1

Groundwater Quality Analytical Results
MW-41
Bitinas 66
Boulder Junction, Wisconsin

TABLE 3

Sample Date	PARAMETERS								
	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naphthalene	Total PVOCs
8/29/88	NI	NI	NI	NI	NI	NI	NI	NI	
11/15/88	NI	NI	NI	NI	NI	NI	NI	NI	
8/11/90	NI	NI	NI	NI	NI	NI	NI	NI	
4/2/92	NI	NI	NI	NI	NI	NI	NI	NI	
11/9/94	NI	NI	NI	NI	NI	NI	NI	NI	
5/11/95	NI	NI	NI	NI	NI	NI	NI	NI	
10/4/95	NI	NI	NI	NI	NI	NI	NI	NI	
4/10/96	NI	NI	NI	NI	NI	NI	NI	NI	
6/21/96	NI	NI	NI	NI	NI	NI	NI	NI	
9/11/96	NI	NI	NI	NI	NI	NI	NI	NI	
05/21/98	NI	NI	NI	NI	NI	NI	NI	NI	
8/21/98	NI	NI	NI	NI	NI	NI	NI	NI	
11/12/98	<0.13	<0.22	<0.20	<0.23	<0.22	<0.29	<0.16	<0.46	0
02/19/99	<0.13	<0.22	<0.20	0.38	0.46	<0.29	<0.16	<1.1	0.84
10/07/99	<0.26	<0.24	0.24	<1.34	<0.86	<0.54	<0.22	<0.89	0.24
12/30/99	0	0	0	0	0	0	0		0
12/30/99	0	0	0	0	0	0	0		0
12/30/99	0	0	0	0	0	0	0		0
NR 140 ES	5	700	343	620	480*	480*	60	40	1728
NR 140 PAL	0.5	140	68.6	124	96*	96*	12	8	345.1

NI = Not installed (well installed on 11/12/98)

TABLE 3

Historical Groundwater Quality Results - P-1
Bitinas Phillips 66 Site
Boulder Junction, Wisconsin

Sample Date	Parameters							
	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naphthalene
8/29/88	810	1,600	11,000	14,600	NA	NA	NA	NA
11/15/88	270	1,100	4,200	10,500	NA	NA	NA	NA
8/11/90	300	500	5,400	22,100	NA	NA	500	NA
4/2/92	NA	NA	NA	NA	NA	NA	NA	NA
11/9/94	<50	77	350	1,300	440	160	<50	51
5/11/95	<20	120	320	1,600	670	260	<20	<1.0
10/4/95	5.6	80	150	730	450	160	<10	90
4/10/96	<0.50	31	49	650	340	120	<10	NA
6/21/96	<2.5	140	90	1,700	960	300	<5.0	140
9/11/96	<2.5	50	44	730	460	130	<5.0	NA
5/21/98	NA	NA	NA	NA	NA	NA	NA	NA
8/21/98	NA	NA	NA	NA	NA	NA	NA	NA
11/12/98	NA	NA	NA	NA	NA	NA	NA	NA
2/19/99	NA	NA	NA	NA	NA	NA	NA	NA
NR 140 ES	5	700	343	620	480*	480*	60	40
NR 140 PAL	0.5	140	68.6	124	96*	96*	12	8

(Continued)

Notes:

Shading indicates result equals or exceeds the enforcement standard

Cross hatching indicates result equals or exceeds the preventive action limit

Results are in ppb

(*): Proposed standard includes both 1,2,4-TMB and 1,3,5-TMB

NA: not analyzed

MTBE: Methyl t-butyl ether

NS: no standard

TMB: Trimethylbenzene

Checked by:_____

Approved by:_____

TABLE 3
(Continued)

Historical Groundwater Quality Results - MW-12S
Bitinas Phillips 66 Site
Boulder Junction, Wisconsin

Sample Date	Parameters							
	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naphthalene
8/29/88	<100	<50	**1200**	**3300**	NA	NA	NA	NA
11/15/88	**220**	**20**	**480**	**1940**	NA	NA	NA	NA
8/11/90	<1.0	<1.0	<1.0	<5.0	NA	NA	<5.0	NA
4/2/92	NA	NA	NA	NA	NA	NA	NA	NA
11/9/94	<50	**210**	<50	**1800**	**560**	**190**	<50	**96**
5/11/95	<10	**82**	**23**	**690**	**380**	**140**	<10	<1.0
10/4/95	<5.0	**130**	<10	**1100**	**300**	**110**	<10	62
4/10/96	**5.1**	**80**	**5**	**610**	**240**	**70**	<2.0	NA
6/21/96	**4**	**80**	**16**	**690**	**310**	**100**	<1.0	**52**
9/11/96	**0.9**	**49**	**2.2**	**420**	**130**	**34**	<1.0	NA
05/21/98	<0.13	<0.22	<0.20	<0.23	<0.22	<0.29	<0.16	<0.46
8/21/98	<0.13	<0.22	<0.20	<0.23	<0.22	<0.29	<0.16	<0.46
11/12/98	**1.8**	**2.5**	**14**	**14**	**3.5**	**0.47**	<0.16	**2.4**
2/19/99	NA	NA	NA	NA	NA	NA	NA	NA
NR 140 ES	5	700	343	620	480*	480*	60	40
NR 140 PAL	0.5	140	68.6	124	96*	96*	12	8

(Continued)

Notes:

Shading indicates result equals or exceeds the enforcement standard

Cross hatching indicates result equals or exceeds the preventive action limit

Results are in ppb
(*): Proposed standard includes both 1,2,4-TMB and 1,3,5-TMB
NA: not analyzed
MTBE: Methyl t-butyl ether
NS: no standard
TMB: Trimethylbenzene

Checked by:_____
Approved by:_____

TABLE 3
(Continued)

Historical Groundwater Quality Results - MW-12D
Bitinas Phillips 66 Site
Boulder Junction, Wisconsin

Sample Date	Parameters							
	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naphthalene
8/29/88	<1.0	<0.5	<0.5	<4.0	NA	NA	NA	NA
11/15/88	<1.0	<0.5	<0.5	<4.0	NA	NA	NA	NA
8/11/90	<1.0	<1.0	<1.0	<5.0	NA	NA	<5.0	NA
4/2/92	NA	NA	NA	NA	NA	NA	NA	NA
11/9/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0
5/11/95	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0
10/4/95	NA	NA	NA	NA	NA	NA	NA	NA
4/10/96	NA	NA	NA	NA	NA	NA	NA	NA
6/21/96	<0.50	<1.0	**4.9**	<3.0	<1.0	<1.0	<1.0	<1.0
9/11/96	NA	NA	NA	NA	NA	NA	NA	NA
5/21/98	NA	NA	NA	NA	NA	NA	NA	NA
8/21/98	NA	NA	NA	NA	NA	NA	NA	NA
11/12/98	NA	NA	NA	NA	NA	NA	NA	NA
2/19/99	NA	NA	NA	NA	NA	NA	NA	NA
NR 140 ES	5	700	343	620	480*	480*	60	40
NR 140 PAL	0.5	140	68.6	124	96*	96*	12	8

(Continued)

Notes:

Shading indicates result equals or exceeds the enforcement standard

Cross hatching indicates result equals or exceeds the preventive action limit

Results are in ppb
(*): Proposed standard includes both 1,2,4-TMB and 1,3,5-TMB
NA: not analyzed
MTBE: Methyl t-butyl ether
NS: no standard
TMB: Trimethylbenzene

Checked by:_____
Approved by:_____

TABLE 3
(Continued)

Historical Groundwater Quality Results - P-2
Bitinas Phillips 66 Site
Boulder Junction, Wisconsin

Sample Date	Parameters							
	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naphthalene
8/29/88	<1.0	<0.5	<0.5	<4.0	NA	NA	NA	NA
11/15/88	<1.0	<0.5	<0.5	<4.0	NA	NA	NA	NA
8/11/90	<1.0	<1.0	<1.0	<5.0	NA	NA	<5.0	NA
4/2/92	NA	NA	NA	NA	NA	NA	NA	NA
11/9/94	NA	NA	NA	NA	NA	NA	NA	NA
5/11/95	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0
10/4/95	NA	NA	NA	NA	NA	NA	NA	NA
4/10/96	NA	NA	NA	NA	NA	NA	NA	NA
6/21/96	<0.50	<1.0	<1.0	<3.0	<1.0	<1.0	28	<1.0
9/11/96	NA	NA	NA	NA	NA	NA	NA	NA
5/21/98	NA	NA	NA	NA	NA	NA	NA	NA
8/21/98	NA	NA	NA	NA	NA	NA	NA	NA
11/12/98	NA	NA	NA	NA	NA	NA	NA	NA
2/19/99	NA	NA	NA	NA	NA	NA	NA	NA
NR 140 ES	5	700	343	620	480*	480*	60	40
NR 140 PAL	0.5	140	68.6	124	96*	96*	12	8

(Continued)

Notes:

Shading indicates result equals or exceeds the enforcement standard

Cross hatching indicates result equals or exceeds the preventive action limit

Results are in ppb

(*): Proposed standard includes both 1,2,4-TMB and 1,3,5-TMB

NA: not analyzed

MTBE: Methyl t-butyl ether

NS: no standard

TMB: Trimethylbenzene

Checked by:_____

Approved by:_____

TABLE 3
(Continued)

Historical Groundwater Quality Results - MW-21
Bitinas Phillips 66 Site
Boulder Junction, Wisconsin

Sample Date	Parameters							
	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naphthalene
8/29/88	NA	NA	NA	NA	NA	NA	NA	NA
11/15/88	NA	NA	NA	NA	NA	NA	NA	NA
8/11/90	<1.0	<1.0	<1.0	<5.0	NA	NA	<10	NA
4/2/92	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<5.0	<1.0
11/9/94	NA	NA	NA	NA	NA	NA	NA	NA
5/11/95	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0
10/4/95	NA	NA	NA	NA	NA	NA	NA	NA
4/10/96	NA	NA	NA	NA	NA	NA	NA	NA
6/21/96	NA	NA	NA	NA	NA	NA	NA	NA
9/11/96	NA	NA	NA	NA	NA	NA	NA	NA
5/21/98	NA	NA	NA	NA	NA	NA	NA	NA
8/21/98	NA	NA	NA	NA	NA	NA	NA	NA
11/12/98	NA	NA	NA	NA	NA	NA	NA	NA
2/19/99	NA	NA	NA	NA	NA	NA	NA	NA
NR 140 ES	5	700	343	620	480*	480*	60	40
NR 140 PAL	0.5	140	68.6	124	96*	96*	12	8

(Continued)

Notes:

Shading indicates result equals or exceeds the enforcement standard

Cross hatching indicates result equals or exceeds the preventive action limit

Results are in ppb

(*): Proposed standard includes both 1,2,4-TMB and 1,3,5-TMB

NA: not analyzed

MTBE: Methyl t-butyl ether

NS: no standard

TMB: Trimethylbenzene

Checked by:_____

Approved by:_____

TABLE 3
(Continued)

Historical Groundwater Quality Results - MW-22S
Bitinas Phillips 66 Site
Boulder Junction, Wisconsin

Sample Date	Parameters							
	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naphthalene
8/29/88	NA	NA	NA	NA	NA	NA	NA	NA
11/15/88	NA	NA	NA	NA	NA	NA	NA	NA
8/11/90	<1.0	<1.0	<1.0	<5.0	NA	NA	<5.0	NA
4/2/92	<20	**30**	**24**	**324**	**340**	**220**	<100	**66**
11/9/94	<1.0	**14**	**6.2**	**81**	**62**	**18**	<1.0	**4.2**
5/11/95	<5.0	**8.5**	**5.6**	**54**	**45**	**22**	<5.0	<1.0
10/4/95	<0.50	<1.0	<1.0	<3.0	2.3	<1.0	<1.0	<1.0
4/10/96	NA	NA	NA	NA	NA	NA	NA	NA
6/21/96	<0.50	**26**	**10**	**140**	**180**	**64**	<1.0	16
9/11/96	<0.50	**8**	**3.1**	**43**	**50**	**16**	<1.0	NA
5/21/98	NA	NA	NA	NA	NA	NA	NA	NA
8/21/98	NA	NA	NA	NA	NA	NA	NA	NA
11/12/98	NA	NA	NA	NA	NA	NA	NA	NA
2/19/99	NA	NA	NA	NA	NA	NA	NA	NA
NR 140 ES	5	700	343	620	480*	480*	60	40
NR 140 PAL	0.5	140	68.6	124	96*	96*	12	8

(Continued)

Notes:

Shading indicates result equals or exceeds the enforcement standard

Cross hatching indicates result equals or exceeds the preventive action limit

Results are in ppb

(*): Proposed standard includes both 1,2,4-TMB and 1,3,5-TMB

NA: not analyzed

MTBE: Methyl t-butyl ether

NS: no standard

TMB: Trimethylbenzene

Checked by:_____

Approved by:

TABLE 3
(Continued)

Historical Groundwater Quality Results - MW-25
Bitinas Phillips 66 Site
Boulder Junction, Wisconsin

Sample Date	Parameters							
	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naphthalene
8/29/88	NA	NA	NA	NA	NA	NA	NA	NA
11/15/88	NA	NA	NA	NA	NA	NA	NA	NA
8/11/90	<1.0	<5.0	<1.0	<5.0	NA	NA	<5.0	NA
4/2/92	52	360	980	1800	480	300	<100	130
11/9/94	6.8	25	34	100	33	13	<1.0	<1.0
5/11/95	<100	590	290	2,100	1200	570	<100	140
10/4/95	3.7	6.3	7.5	36	12	5.2	<1.0	5.2
4/10/96	7.4	100	100	470	170	52	<1.0	NA
6/21/96	3.8	150	27	550	380	180	<5.0	85
9/11/96	<1.0	71	13	360	200	89	<2.0	NA
5/21/98	<4.4	130	19	670	340	140	<4.8	120
8/21/98	<1.3	190	36	1200	350	120	<1.6	110
11/12/98	1.6	11	5.3	46	34	13	<1.6	22
2/19/99	NA	NA	NA	NA	NA	NA	NA	NA
NR 140 ES	5	700	343	620	480*	480*	60	40
NR 140 PAL	0.5	140	68.6	124	96*	96*	12	8

(Continued)

Notes:

Shading indicates result equals or exceeds the enforcement standard

Cross hatching indicates result equals or exceeds the preventive action limit

Results are in ppb
(*): Proposed standard includes both 1,2,4-TMB and 1,3,5-TMB
NA: not analyzed
MTBE: Methyl t-butyl ether
NS: no standard
TMB: Trimethylbenzene

Checked by:_____
Approved by:_____

TABLE 3
(Continued)

Historical Groundwater Quality Results - MW-27S
Bitinas Phillips 66 Site
Boulder Junction, Wisconsin

Sample Date	Parameters							
	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naphthalene
8/29/88	NA	NA	NA	NA	NA	NA	NA	NA
11/15/88	NA	NA	NA	NA	NA	NA	NA	NA
8/11/90	<1.0	<1.0	<1.0	<2.0	NA	NA	<10	NA
4/2/92	NA	NA	NA	NA	NA	NA	NA	NA
11/9/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0
5/11/95	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0
10/4/95	NA	NA	NA	NA	NA	NA	NA	NA
4/10/96	NA	NA	NA	NA	NA	NA	NA	NA
6/21/96	NA	NA	NA	NA	NA	NA	NA	NA
9/11/96	NA	NA	NA	NA	NA	NA	NA	NA
5/21/98	NA	NA	NA	NA	NA	NA	NA	NA
8/21/98	NA	NA	NA	NA	NA	NA	NA	NA
11/12/98	NA	NA	NA	NA	NA	NA	NA	NA
2/19/99	NA	NA	NA	NA	NA	NA	NA	NA
NR 140 ES	5	700	343	620	480*	480*	60	40
NR 140 PAL	0.5	140	68.6	124	96*	96*	12	8

(Continued)

Notes:

Shading indicates result equals or exceeds the enforcement standard

Cross hatching indicates result equals or exceeds the preventive action limit

Results are in ppb
(*): Proposed standard includes both 1,2,4-TMB and 1,3,5-TMB
NA: not analyzed
MTBE: Methyl t-butyl ether
NS: no standard
TMB: Trimethylbenzene

Checked by:_____
Approved by:_____

TABLE 3

(Continued)

Historical Groundwater Quality Results - MW-26

Bitinas Phillips 66 Site

Boulder Junction, Wisconsin

Sample Date	Parameters							
	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naphthalene
4/2/92	NA	NA	NA	NA	NA	NA	NA	NA
11/15/88	NA	NA	NA	NA	NA	NA	NA	NA
8/11/90	<1.0	<1.0	<1.0	<2.0	NA	NA	<10	NA
4/2/92	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<5.0	<1.0
11/9/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0
5/11/95	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0
10/4/95	<0.50	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0
4/10/96	<0.50	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	NA
6/21/96	<0.50	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0
9/11/96	<0.50	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	NA
5/21/98	<0.13	<0.22	<0.20	<0.23	<0.22	<0.29	<0.16	<0.46
8/21/98	<0.13	<0.22	<0.20	<0.23	<0.22	<0.29	<0.16	**0.87**
11/12/98	<0.13	<0.22	<0.20	<0.23	<0.22	<0.29	<0.16	<0.46
2/19/99	**0.2**	<0.22	**0.65**	**0.47**	<0.22	<0.29	<0.16	<1.1
NR 140 ES	5	700	343	620	480*	480*	60	40
NR 140 PAL	0.5	140	68.6	124	96*	96*	12	8

(Continued)

Notes:

Shading indicates result equals or exceeds the enforcement standard

Cross hatching indicates result equals or exceeds the preventive action limit

Results are in ppb

(*): Proposed standard includes both 1,2,4-TMB and 1,3,5-TMB

NA: not analyzed

MTBE: Methyl t-butyl ether

NS: no standard

TMB: Trimethylbenzene

Checked by:_____

Approved by:_____

TABLE 3
(Continued)

Historical Groundwater Quality Results - MW-24
Bitinas Phillips 66 Site
Boulder Junction, Wisconsin

Sample Date	Parameters							
	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naphthalene
8/29/88	NA	NA	NA	NA	NA	NA	NA	NA
11/15/88	NA	NA	NA	NA	NA	NA	NA	NA
8/11/90	<1.0	<1.0	<1.0	<2.0	NA	NA	<10	NA
4/2/92	**23**	**20**	**34**	**260**	**70**	**70**	<50	<10
11/9/94	<10	<10	<10	**110**	**230**	**140**	<10	**41**
5/11/95	**5.8**	**2.6**	**12**	**27**	**8.7**	**7.2**	<1.0	<1.0
10/4/95	<0.50	<1.0	<1.0	<3.0	**4.7**	<1.0	<1.0	**1.3**
4/10/96	<0.50	**2.5**	**6.8**	**48**	**13**	**9.2**	<1.0	<1.0
6/21/96	NA	NA	NA	NA	NA	NA	NA	NA
9/11/96	<2.0	**11**	**4.2**	**170**	**160**	**140**	<1.0	NA
5/21/98	<0.13	<0.22	<0.20	**0.74**	**1.2**	**1.4**	<0.16	**0.85**
8/21/98	**1.0**	**2.5**	**1.7**	**33**	**48**	**45**	**0.4**	**4.6**
11/12/98	<0.13	**0.33**	**0.31**	**4.3**	**2.0**	**1.4**	<0.16	**0.82**
2/19/99	NA	NA	NA	NA	NA	NA	NA	NA
NR 140 ES	5	700	343	620	480*	480*	60	40
NR 140 PAL	0.5	140	68.6	124	96*	96*	12	8

(Continued)

Notes:

Shading indicates result equals or exceeds the enforcement standard

Cross hatching indicates result equals or exceeds the preventive action limit

Results are in ppb

(*): Proposed standard includes both 1,2,4-TMB and 1,3,5-TMB

NA: not analyzed

MTBE: Methyl t-butyl ether

NS: no standard

TMB: Trimethylbenzene

Checked by:_____

Approved by:_____

TABLE 3
(Continued)

Historical Groundwater Quality Results - MW-12I
Bitinas Phillips 66 Site
Boulder Junction, Wisconsin

Sample Date	Parameters							
	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naphthalene
8/29/88	NA	NA	NA	NA	NA	NA	NA	NA
11/15/88	NA	NA	NA	NA	NA	NA	NA	NA
8/11/90	<1.0	<1.0	<1.0	<2.0	NA	NA	<10	NA
4/2/92	NA	NA	NA	NA	NA	NA	NA	NA
11/9/94	NA	NA	NA	NA	NA	NA	NA	NA
5/11/95	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0
10/4/95	<0.50	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0
4/10/96	NA	NA	NA	NA	NA	NA	NA	NA
6/21/96	<0.50	<1.0	**2.6**	<3.0	<1.0	<1.0	<1.0	<1.0
9/11/96	<0.50	**1.6**	<1.0	<3.0	<1.0	<1.0	<1.0	NA
5/21/98	NA	NA	NA	NA	NA	NA	NA	NA
8/21/98	NA	NA	NA	NA	NA	NA	NA	NA
11/12/98	NA	NA	NA	NA	NA	NA	NA	NA
2/19/99	NA	NA	NA	NA	NA	NA	NA	NA
NR 140 ES	5	700	343	620	480*	480*	60	40
NR 140 PAL	0.5	140	68.6	124	96*	96*	12	8

Notes:

(Continued)

Shading indicates result equals or exceeds the enforcement standard

Cross hatching indicates result equals or exceeds the preventive action limit

Results are in ppb

(*): Proposed standard includes both 1,2,4-TMB and 1,3,5-TMB

NA: not analyzed

MTBE: Methyl t-butyl ether

NS: no standard

TMB: Trimethylbenzene

Checked by:_____

Approved by:_____

TABLE 3
(Continued)

Historical Groundwater Quality Results - MW-23
Bitinas Phillips 66 Site
Boulder Junction, Wisconsin

Sample Date	Parameters							
	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naphthalene
8/29/88	NA	NA	NA	NA	NA	NA	NA	NA
11/15/88	NA	NA	NA	NA	NA	NA	NA	NA
8/11/90	<1.0	<1.0	<1.0	<2.0	NA	NA	<10	NA
4/2/92	NA	NA	NA	NA	NA	NA	NA	NA
11/9/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0
5/11/95	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0
10/4/95	NA	NA	NA	NA	NA	NA	NA	NA
4/10/96	NA	NA	NA	NA	NA	NA	NA	NA
6/21/96	NA	NA	NA	NA	NA	NA	NA	NA
9/11/96	NA	NA	NA	NA	NA	NA	NA	NA
5/21/98	NA	NA	NA	NA	NA	NA	NA	NA
8/21/98	NA	NA	NA	NA	NA	NA	NA	NA
11/12/98	NA	NA	NA	NA	NA	NA	NA	NA
2/19/99	NA	NA	NA	NA	NA	NA	NA	NA
NR 140 ES	5	700	343	620	480*	480*	60	40
NR 140 PAL	0.5	140	68.6	124	96*	96*	12	8

(Continued)

Notes:

Shading indicates result equals or exceeds the enforcement standard

Cross hatching indicates result equals or exceeds the preventive action limit

Results are in ppb
(*): Proposed standard includes both 1,2,4-TMB and 1,3,5-TMB
NA: not analyzed
MTBE: Methyl t-butyl ether
NS: no standard
TMB: Trimethylbenzene

Checked by:_____
Approved by:_____

TABLE 3
(Continued)

Historical Groundwater Quality Results - MW-17
Bitinas Phillips 66 Site
Boulder Junction, Wisconsin

Sample Date	Parameters							
	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naphthalene
4/2/92	<1.0	<0.5	<0.5	<4.0	NA	NA	NA	NA
11/15/88	<1.0	<0.5	<0.5	<4.0	NA	NA	NA	NA
8/11/90	<1.0	<1.0	<1.0	<2.0	NA	NA	<10	NA
4/2/92	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<5.0	<1.0
11/9/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	NA
5/11/95	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0
10/4/95	<0.50	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0
4/10/96	<0.50	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	NA
6/21/96	<0.50	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0
9/11/96	<0.50	<1.0	<1.0	<3.0	<1.0	<1.0	1.5	NA
5/21/98	NA	NA	NA	NA	NA	NA	NA	NA
8/21/98	NA	NA	NA	NA	NA	NA	NA	NA
11/12/98	NA	NA	NA	NA	NA	NA	NA	NA
2/19/99	NA	NA	NA	NA	NA	NA	NA	NA
NR 140 ES	5	700	343	620	480*	480*	60	40
NR 140 PAL	0.5	140	68.6	124	96*	96*	12	8

(Continued)

Notes:

Shading indicates result equals or exceeds the enforcement standard

Cross hatching indicates result equals or exceeds the preventive action limit

Results are in ppb
(*): Proposed standard includes both 1,2,4-TMB and 1,3,5-TMB
NA: not analyzed
MTBE: Methyl t-butyl ether
NS: no standard
TMB: Trimethylbenzene

Checked by:_____
Approved by:_____

TABLE 3

(Continued)

Historical Groundwater Quality Results - MW-18I

Bitinas Phillips 66 Site

Boulder Junction, Wisconsin

Sample Date	Parameters							
	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naphthalene
8/29/88	<1.0	<0.5	<0.5	<4.0	NA	NA	NA	NA
11/15/88	<1.0	<0.5	<0.5	<4.0	NA	NA	NA	NA
8/11/90	NA	NA	NA	NA	NA	NA	NA	NA
4/2/92	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<5.0	<1.0
11/9/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	NA
5/11/95	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0
10/4/95	NA	NA	NA	NA	NA	NA	NA	NA
4/10/96	NA	NA	NA	NA	NA	NA	NA	NA
6/21/96	NA	NA	NA	NA	NA	NA	NA	NA
9/11/96	NA	NA	NA	NA	NA	NA	NA	NA
5/21/98	NA	NA	NA	NA	NA	NA	NA	NA
8/21/98	NA	NA	NA	NA	NA	NA	NA	NA
11/12/98	NA	NA	NA	NA	NA	NA	NA	NA
2/19/99	NA	NA	NA	NA	NA	NA	NA	NA
NR 140 ES	5	700	343	620	480*	480*	60	40
NR 140 PAL	0.5	140	68.6	124	96*	96*	12	8

(Continued)

Notes:

Shading indicates result equals or exceeds the enforcement standard

Cross hatching indicates result equals or exceeds the preventive action limit

Results are in ppb

(*): Proposed standard includes both 1,2,4-TMB and 1,3,5-TMB

NA: not analyzed

MTBE: Methyl t-butyl ether

NS: no standard

TMB: Trimethylbenzene

Checked by:_____

Approved by:_____

TABLE 3
(Continued)

Historical Groundwater Quality Results - MW-18S
Bitinas Phillips 66 Site
Boulder Junction, Wisconsin

Sample Date	Parameters							
	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naphthalene
8/29/88	<1.0	<0.5	<0.5	<4.0	NA	NA	NA	NA
11/15/88	<1.0	<0.5	<0.5	<4.0	NA	NA	NA	NA
8/11/90	NA	NA	NA	NA	NA	NA	NA	NA
4/2/92	NA	NA	NA	NA	NA	NA	NA	NA
11/9/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	NA
5/11/95	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0
10/4/95	NA	NA	NA	NA	NA	NA	NA	NA
4/10/96	NA	NA	NA	NA	NA	NA	NA	NA
6/21/96	NA	NA	NA	NA	NA	NA	NA	NA
9/11/96	NA	NA	NA	NA	NA	NA	NA	NA
5/21/98	NA	NA	NA	NA	NA	NA	NA	NA
8/21/98	NA	NA	NA	NA	NA	NA	NA	NA
11/12/98	NA	NA	NA	NA	NA	NA	NA	NA
2/19/99	NA	NA	NA	NA	NA	NA	NA	NA
NR 140 ES	5	700	343	620	480*	480*	60	40
NR 140 PAL	0.5	140	68.6	124	96*	96*	12	8

(Continued)

Notes:

Shading indicates result equals or exceeds the enforcement standard

Cross hatching indicates result equals or exceeds the preventive action limit

Results are in ppb

(*): Proposed standard includes both 1,2,4-TMB and 1,3,5-TMB

NA: not analyzed

MTBE: Methyl t-butyl ether

NS: no standard

TMB: Trimethylbenzene

Checked by:_____

Approved by:_____

TABLE 3
(Continued)

Historical Groundwater Quality Results - MW-20
Bitinas Phillips 66 Site
Boulder Junction, Wisconsin

Sample Date	Parameters							
	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naphthalene
8/29/88	NA	NA	NA	NA	NA	NA	NA	NA
11/15/88	NA	NA	NA	NA	NA	NA	NA	NA
8/11/90	<1.0	<1.0	<1.0	<5.0	NA	NA	<10	NA
4/2/92	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0
11/9/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0
5/11/95	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0
10/4/95	NA	NA	NA	NA	NA	NA	NA	NA
4/10/96	NA	NA	NA	NA	NA	NA	NA	NA
6/21/96	NA	NA	NA	NA	NA	NA	NA	NA
9/11/96	NA	NA	NA	NA	NA	NA	NA	NA
5/21/98	NA	NA	NA	NA	NA	NA	NA	NA
8/21/98	NA	NA	NA	NA	NA	NA	NA	NA
11/12/98	NA	NA	NA	NA	NA	NA	NA	NA
2/19/99	NA	NA	NA	NA	NA	NA	NA	NA
NR 140 ES	5	700	343	620	480*	480*	60	40
NR 140 PAL	0.5	140	68.6	124	96*	96*	12	8

(Continued)

Notes:

Shading indicates result equals or exceeds the enforcement standard

Cross hatching indicates result equals or exceeds the preventive action limit

Results are in ppb

(*): Proposed standard includes both 1,2,4-TMB and 1,3,5-TMB

NA: not analyzed

MTBE: Methyl t-butyl ether

NS: no standard

TMB: Trimethylbenzene

Checked by:_____

Approved by:

TABLE 3
(Continued)

Historical Groundwater Quality Results - P-4
Bitinas Phillips 66 Site
Boulder Junction, Wisconsin

Sample Date	Parameters							
	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naphthalene
8/29/88	<1.0	<0.5	<0.5	<4.0	NA	NA	NA	NA
11/15/88	<1.0	<0.5	<0.5	<4.0	NA	NA	NA	NA
8/11/90	<1.0	<1.0	<1.0	<5.0	NA	NA	<10	NA
4/2/92	NA	NA	NA	NA	NA	NA	NA	NA
11/9/94	NA	NA	NA	NA	NA	NA	NA	NA
5/11/95	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0
10/4/95	NA	NA	NA	NA	NA	NA	NA	NA
4/10/96	NA	NA	NA	NA	NA	NA	NA	NA
6/21/96	NA	NA	NA	NA	NA	NA	NA	NA
9/11/96	NA	NA	NA	NA	NA	NA	NA	NA
5/21/98	NA	NA	NA	NA	NA	NA	NA	NA
8/21/98	NA	NA	NA	NA	NA	NA	NA	NA
11/12/98	NA	NA	NA	NA	NA	NA	NA	NA
2/19/99	NA	NA	NA	NA	NA	NA	NA	NA
NR 140 ES	5	700	343	620	480*	480*	60	40
NR 140 PAL	0.5	140	68.6	124	96*	96*	12	8

(Continued)

Notes:

Shading indicates result equals or exceeds the enforcement standard

Cross hatching indicates result equals or exceeds the preventive action limit

Results are in ppb

(*): Proposed standard includes both 1,2,4-TMB and 1,3,5-TMB

NA: not analyzed

MTBE: Methyl t-butyl ether

NS: no standard

TMB: Trimethylbenzene

Checked by:_____

Approved by:

TABLE 3

(Continued)

Historical Groundwater Quality Results - MW-9

Bitinas Phillips 66 Site

Boulder Junction, Wisconsin

Sample Date	Parameters							
	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naphthalene
4/2/92	<1.0	<0.5	<0.5	<4.0	NA	NA	NA	NA
11/15/88	<1.0	<0.5	<0.5	<4.0	NA	NA	NA	NA
8/11/90	<1.0	<1.0	<1.0	<5.0	NA	NA	<10	NA
4/2/92	NA	NA	NA	NA	NA	NA	NA	NA
11/9/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0
5/11/95	NA	NA	NA	NA	NA	NA	NA	NA
10/4/95	<0.50	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0
4/10/96	<0.50	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	NA
6/21/96	NA	NA	NA	NA	NA	NA	NA	NA
9/11/96	<0.50	<1.0	<1.0	<3.0	<1.0	<1.0	**8.9**	NA
5/21/98	NA	NA	NA	NA	NA	NA	NA	NA
8/21/98	NA	NA	NA	NA	NA	NA	NA	NA
11/12/98	NA	NA	NA	NA	NA	NA	NA	NA
2/19/99	NA	NA	NA	NA	NA	NA	NA	NA
NR 140 ES	5	700	343	620	480*	480*	60	40
NR 140 PAL	0.5	140	68.6	124	96*	96*	12	8

(Continued)

Notes:

Shading indicates result equals or exceeds the enforcement standard

Cross hatching indicates result equals or exceeds the preventive action limit

Results are in ppb

(*): Proposed standard includes both 1,2,4-TMB and 1,3,5-TMB

NA: not analyzed

MTBE: Methyl t-butyl ether

NS: no standard

TMB: Trimethylbenzene

Checked by:_____

Approved by:_____

TABLE 3

(Continued)

Historical Groundwater Quality Results - GWX-1 or RW-1

Bitinas Phillips 66 Site

Boulder Junction, Wisconsin

Sample Date	Parameters							
	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naphthalene
8/29/88	NA	NA	NA	NA	NA	NA	NA	NA
11/15/88	NA	NA	NA	NA	NA	NA	NA	NA
8/11/90	NA	NA	NA	NA	NA	NA	NA	NA
4/2/92	NA	NA	NA	NA	NA	NA	NA	NA
11/9/94	NA	NA	NA	NA	NA	NA	NA	NA
5/11/95	NA	NA	NA	NA	NA	NA	NA	NA
10/4/95	4.2	170	39	710	460	230	<1.0	76
4/10/96	<5.0	390	170	1,900	830	300	<10	190
6/21/96	0.93	400	240	2,500	880	310	<1.0	140
9/11/96	<2.5	200	200	1,400	710	250	<5.0	120
5/21/98	<0.65	68	5.6	400	330	120	<1.1	55
8/21/98	4.4	160	21	1,000	840	290	<1.6	130
11/12/98	1.4	150	9.7	710	690	250	2.3	96
2/19/99	6.7	360	36	1,900	1,300	390	<3.2	200
NR 140 ES	5	700	343	620	480*	480*	60	40
NR 140 PAL	0.5	140	68.6	124	96*	96*	12	8

(Continued)

Notes:

Shading indicates result equals or exceeds the enforcement standard

Cross hatching indicates result equals or exceeds the preventive action limit

Results are in ppb

(*): Proposed standard includes both 1,2,4-TMB and 1,3,5-TMB

NA: not analyzed

MTBE: Methyl t-butyl ether

NS: no standard

TMB: Trimethylbenzene

Checked by:_____

Approved by:_____

TABLE 3

(Continued)

Historical Groundwater Quality Results - MW-31

Bitinas Phillips 66 Site

Boulder Junction, Wisconsin

Sample Date	Parameters							
	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naphthalene
8/29/88	NI	NI	NI	NI	NI	NI	NI	NI
11/15/88	NI	NI	NI	NI	NI	NI	NI	NI
8/11/90	NI	NI	NI	NI	NI	NI	NI	NI
4/2/92	NI	NI	NI	NI	NI	NI	NI	NI
11/9/94	NI	NI	NI	NI	NI	NI	NI	NI
5/11/95	NI	NI	NI	NI	NI	NI	NI	NI
10/4/95	NI	NI	NI	NI	NI	NI	NI	NI
4/10/96	NI	NI	NI	NI	NI	NI	NI	NI
6/21/96	NI	NI	NI	NI	NI	NI	NI	NI
9/11/96	NI	NI	NI	NI	NI	NI	NI	NI
5/21/98	NI	NI	NI	NI	NI	NI	NI	NI
8/21/98	<0.13	**61**	**6.8**	**160**	**65**	**49**	**4**	**120**
11/12/98	**1.2**	**3.8**	**2**	**6.2**	**2.9**	<1.5	**1.2**	**49**
2/19/99	**0.66**	<0.22	**0.33**	**0.75**	**0.28**	<0.29	<0.16	**19**
NR 140 ES	5	700	343	620	480*	480*	60	40
NR 140 PAL	0.5	140	68.6	124	96*	96*	12	8

(Continued)

Notes:

Shading indicates result equals or exceeds the enforcement standard

Cross hatching indicates result equals or exceeds the preventive action limit

Results are in ppb

(*): Proposed standard includes both 1,2,4-TMB and 1,3,5-TMB

NA: not analyzed

MTBE: Methyl t-butyl ether

NS: no standard

TMB: Trimethylbenzene

NI: Not installed until 8/20/98

Checked by:_____

Approved by:_____

TABLE 3
(Continued)

Historical Groundwater Quality Results - MW-41
Bitinas Phillips 66 Site
Boulder Junction, Wisconsin

Sample Date	Parameters							
	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naphthalene
8/29/88	NI	NI	NI	NI	NI	NI	NI	NI
11/15/88	NI	NI	NI	NI	NI	NI	NI	NI
8/11/90	NI	NI	NI	NI	NI	NI	NI	NI
4/2/92	NI	NI	NI	NI	NI	NI	NI	NI
11/9/94	NI	NI	NI	NI	NI	NI	NI	NI
5/11/95	NI	NI	NI	NI	NI	NI	NI	NI
10/4/95	NI	NI	NI	NI	NI	NI	NI	NI
4/10/96	NI	NI	NI	NI	NI	NI	NI	NI
6/21/96	NI	NI	NI	NI	NI	NI	NI	NI
9/11/96	NI	NI	NI	NI	NI	NI	NI	NI
5/21/98	NI	NI	NI	NI	NI	NI	NI	NI
8/21/98	NI	NI	NI	NI	NI	NI	NI	NI
11/12/98	<0.13	<0.22	<0.20	<0.23	<0.22	<0.29	<0.16	<0.46
2/19/99	<0.13	<0.22	<0.20	**0.38**	**0.46**	<0.29	<0.16	<1.1
NR 140 ES	5	700	343	620	480*	480*	60	40
NR 140 PAL	0.5	140	68.6	124	96*	96*	12	8

(Continued)

Notes:

Shading indicates result equals or exceeds the enforcement standard

Cross hatching indicates result equals or exceeds the preventive action limit

Results are in ppb
(*): Proposed standard includes both 1,2,4-TMB and 1,3,5-TMB
NA: not analyzed
MTBE: Methyl t-butyl ether
NS: no standard
TMB: Trimethylbenzene
NI: not installed until 11/12/98

Checked by:_____
Approved by:_____

TABLE 4

Groundwater Natural Attenuation Indicator Field Measurements (11/12/98)
Bitinas Phillips 66 Site
Boulder Junction, Wisconsin

Sample Location	Parameters					
	Temperature (°F)	Specific Conductance (uS/cm)	Conductivity (uS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)
MW-24	11.80	8,595	6,427	6.28	6.47	185
MW-25	11.30	9,274	6,847	0.20	4.91	-4.8
MW-26	10.36	10,024	7,221	7.76	4.51	215
MW-31	11.31	9,287	6,859	0.66	4.77	114
MW-12S	11.96	9,312	6,992	8.21	1.55	194
GWX-1	11.77	12,860	9,611	0.42	5.17	-32.4
SP-11	12.28	10,104	7,651	8.24	6.68	187

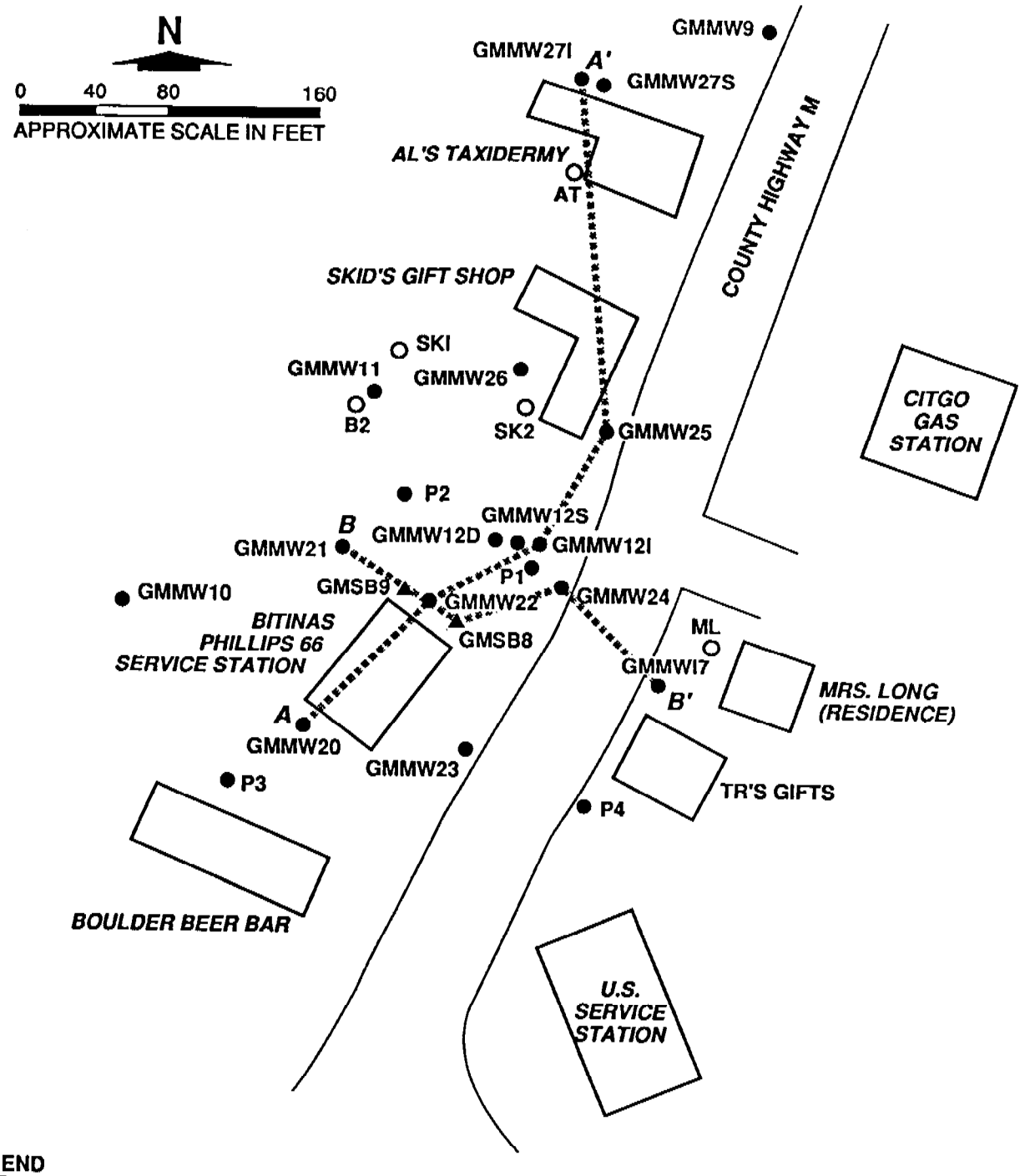
Notes:

Results are reported for only those wells which were measured on 11/12/98

ORP: oxidation reduction potential

Checked by:_____

Approved by:_____



LEGEND

GMMW9 ● MONITORING WELL LOCATION

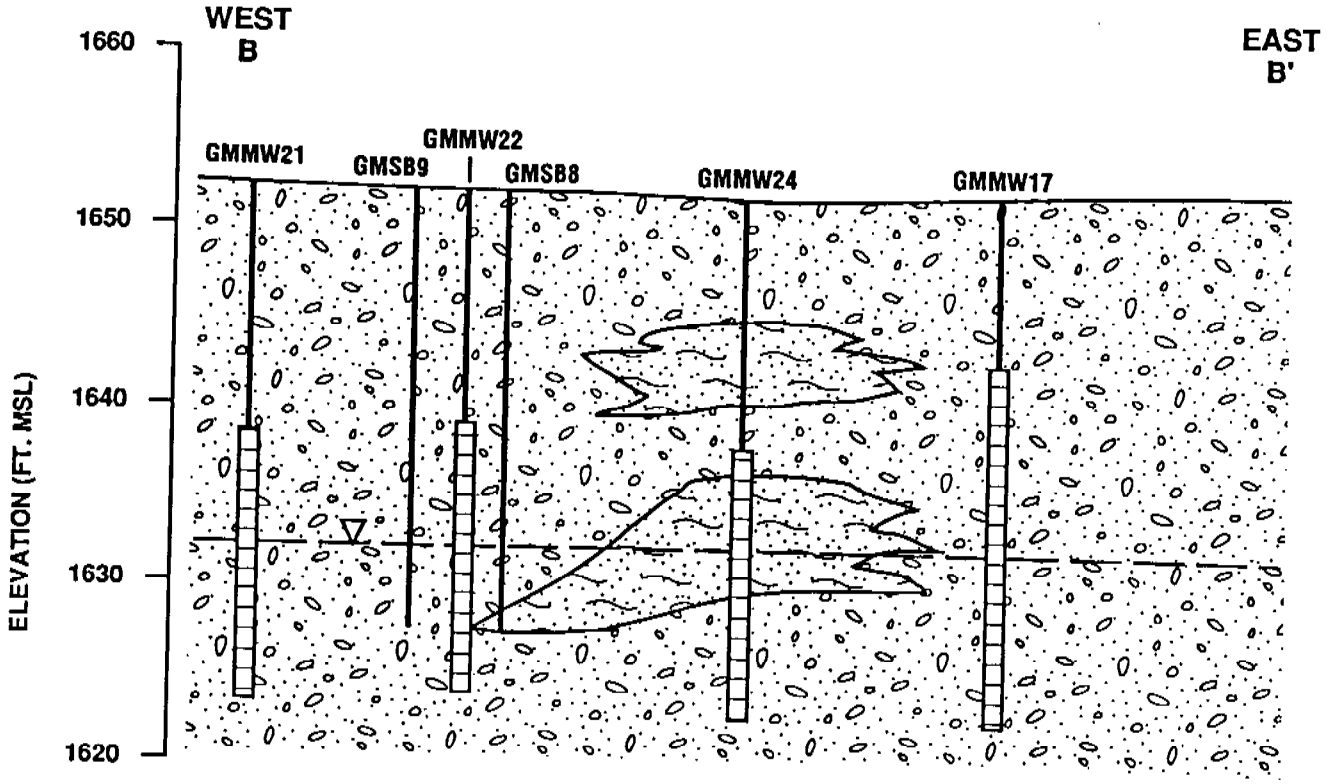
GMSB8 ▲ SOIL BORING LOCATION

SK1 ○ PRIVATE WATER SUPPLY WELL LOCATION

A ******A' GEOLOGIC CROSS SECTION

GERAGHTY & MILLER, INC.
Environmental Services

FIGURE 4
GEOLOGIC CROSS-SECTION LOCATION MAP
BITINAS PHILLIPS 66
SERVICE STATION
BOULDER JUNCTION, WISCONSIN



0 25 50 100
HORIZONTAL SCALE IN FEET

LEGEND

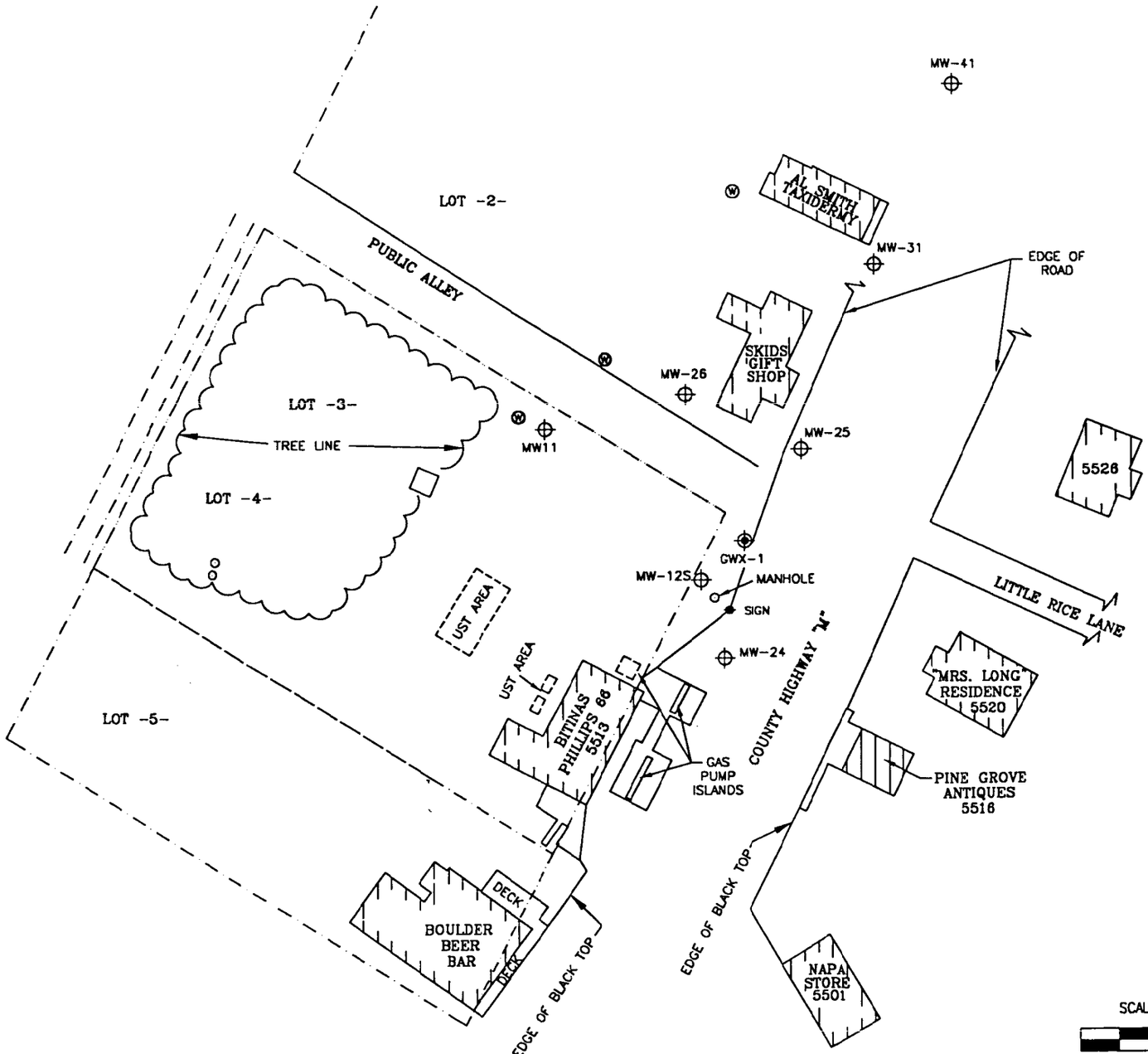
VERY FINE SAND WITH SOME SILTY SAND UNITS

SAND AND GRAVEL

GROUND-WATER ELEVATIONS MEASURED SEPTEMBER 10, 1990

GERAGHTY & MILLER, INC.
Environmental Services

FIGURE 6
WEST - EAST
GEOLOGIC CROSS SECTION B-B'
BITINAS PHILLIPS 66
SERVICE STATION
BOULDER JUNCTION, WISCONSIN



LEGEND

- MONITORING WELL
- GROUNDWATER EXTRACTION WELL
- PRIVATE POTABLE WELL

N

UST AREA

FORMER 10,000-GALLON UNLEADED GASOLINE
FORMER 6,000-GALLON GASOLINE
FORMER 8,000-GALLON #2 FUEL OIL
FORMER 4,000-GALLON ULEADED GASOLINE
FORMER 550-GALLON PRE MIX

UST AREA

FORMER 550-GALLON FUEL OIL
FORMER 550-GALLON FUEL OIL

ENVIROGEN
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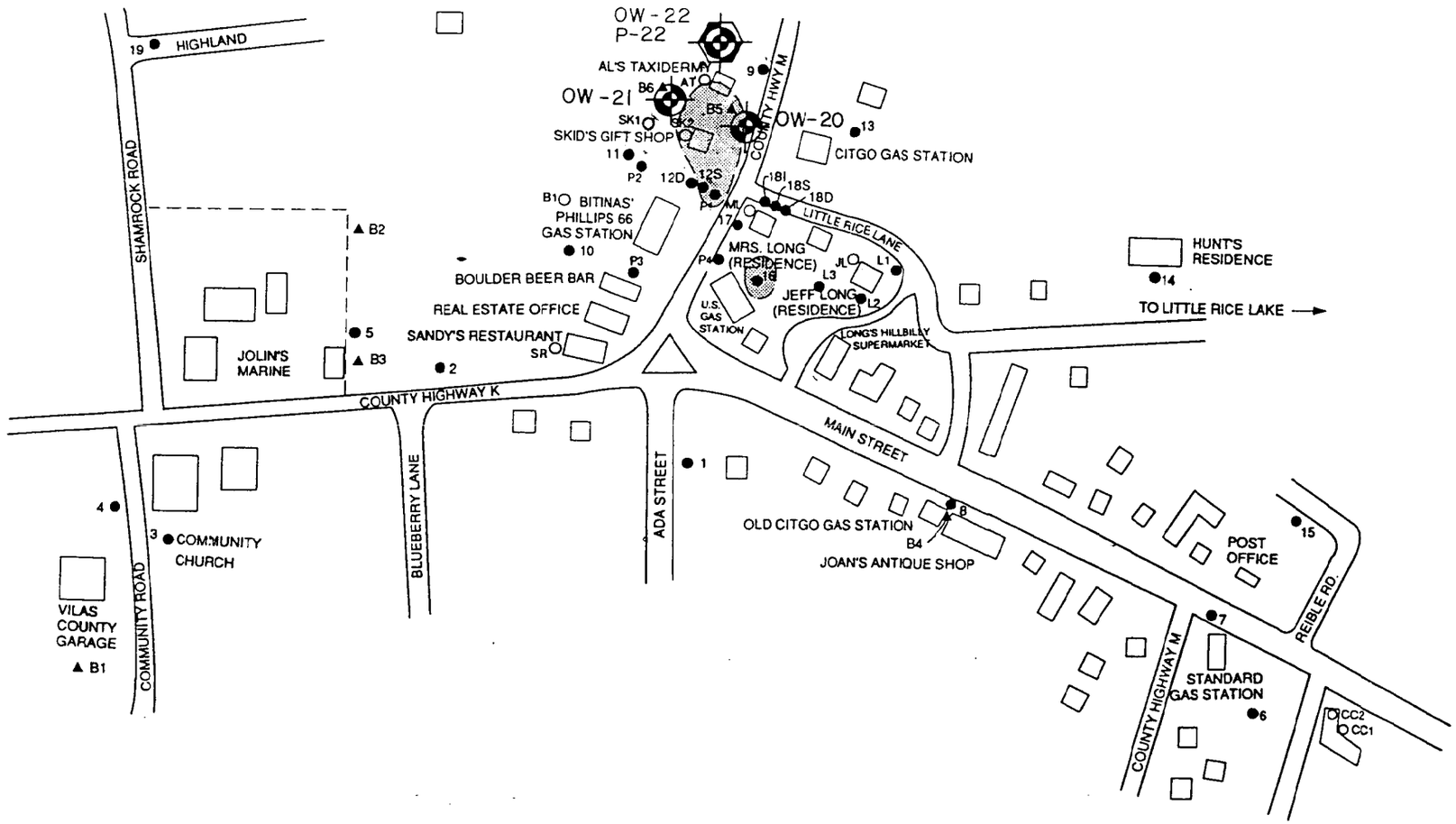
SITE PLAN
VIEW
BITINAS PHILLIPS 66 SERVICE SITE
BOULDER JUNCTION, WISCONSIN

FIGURE NO. 2

DRAWING NO.	95.17412	DRAWN BY:	LME	5/4/99	CHECKED BY:	APPROVED BY:	REVISIONS:	ENGINEER	DATE	ENGINEER	DATE



REFERENCE: EXISTING CONDITIONS REPORT, BOULDER JUNCTION, WI.
PREPARED BY: GERAGHTY & MILLER, INC. MARCH 1989.

Donohue

Engineers • Architects • Scientists

JAN. 1990

17564.500

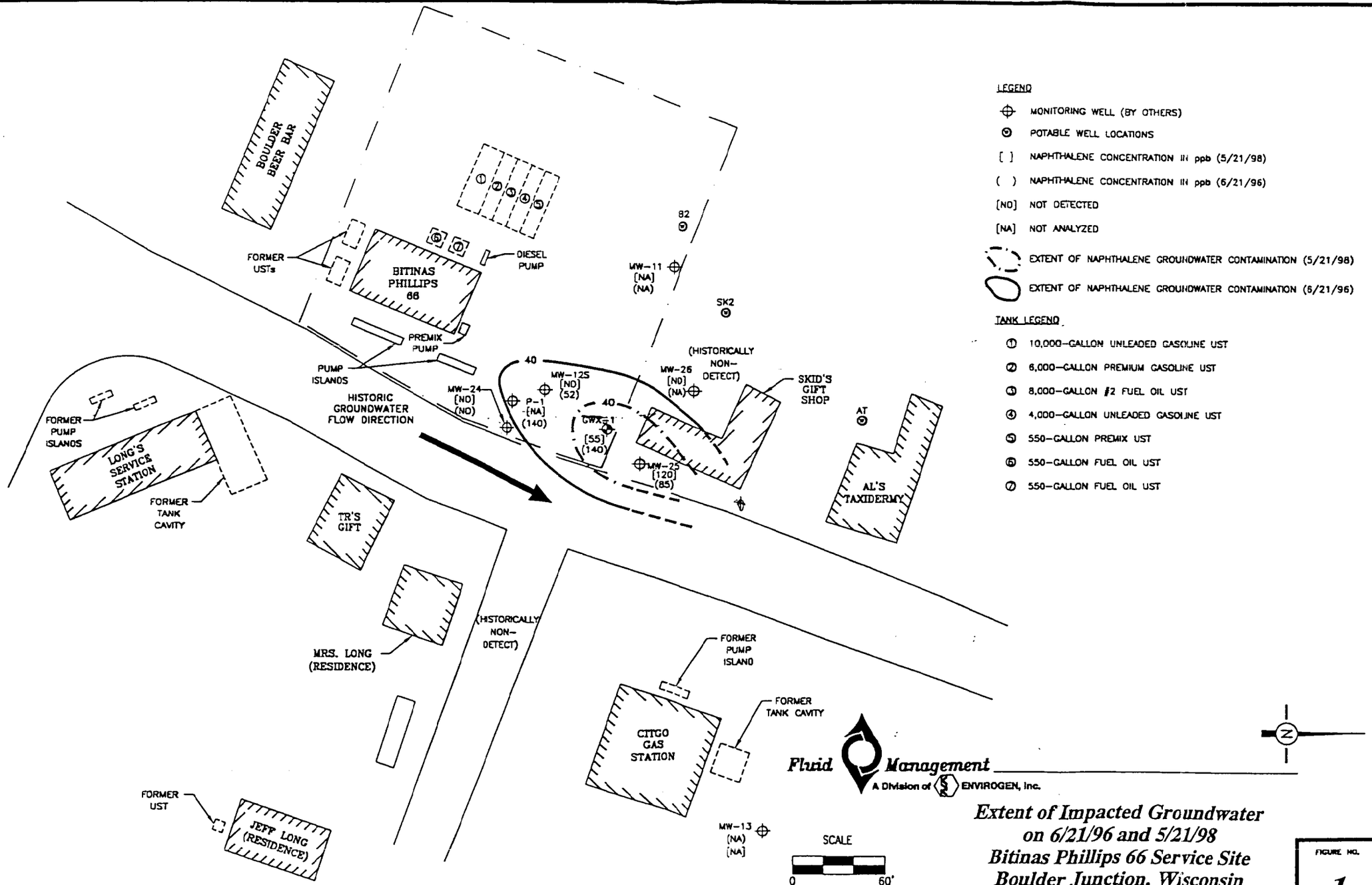
GROUNDWATER WELL AND SOIL BORING LOCATIONS

BITINAS' PHILLIPS 66 SERVICE STATION

BOULDER JUNCTION, WISCONSIN

FIGURE 2

L-5173



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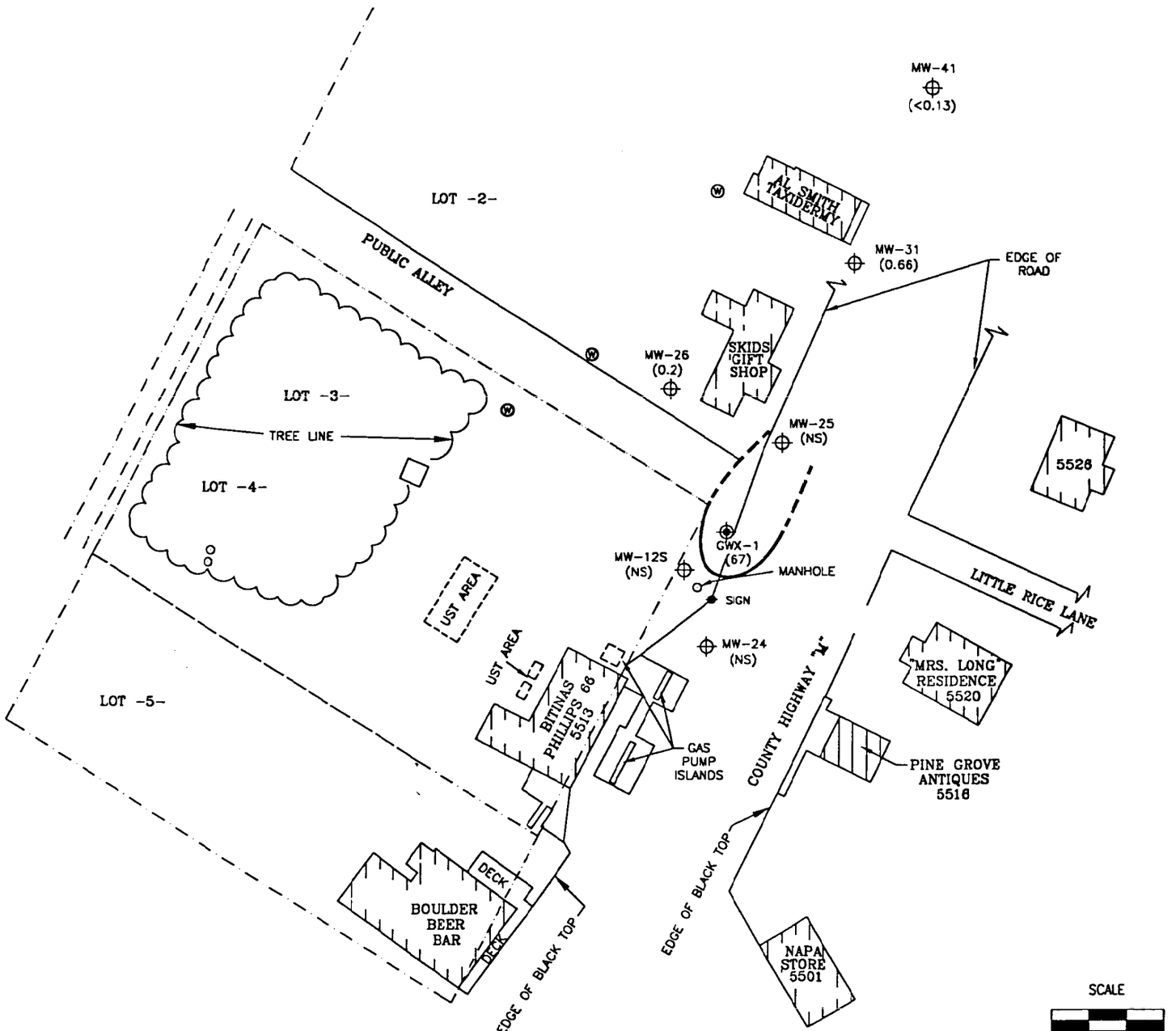
95.174.81	LME	6/15/98	



LEGEND

- MONITORING WELL
- GROUNDWATER EXTRACTION WELL
- PRIVATE POTABLE WELL
- (NS) NOT SAMPLED
- ( ) BENZENE CONCENTRATION IN ppb
- 5 BENZENE ISOCONCENTRATION CONTOUR
- UST AREA

  FORMER 10,000-GALLON UNLEADED GASOLINE
  FORMER 6,000-GALLON GASOLINE
  FORMER 8,000-GALLON #2 FUEL OIL
  FORMER 4,000-GALLON ULEADED GASOLINE
  FORMER 550-GALLON PRE MIX

- UST AREA

  FORMER 550-GALLON FUEL OIL
  FORMER 550-GALLON FUEL OIL

NOTE: THE NR140 ENFORCEMENT STANDARD FOR BENZENE IS 5.0 ppb.

N

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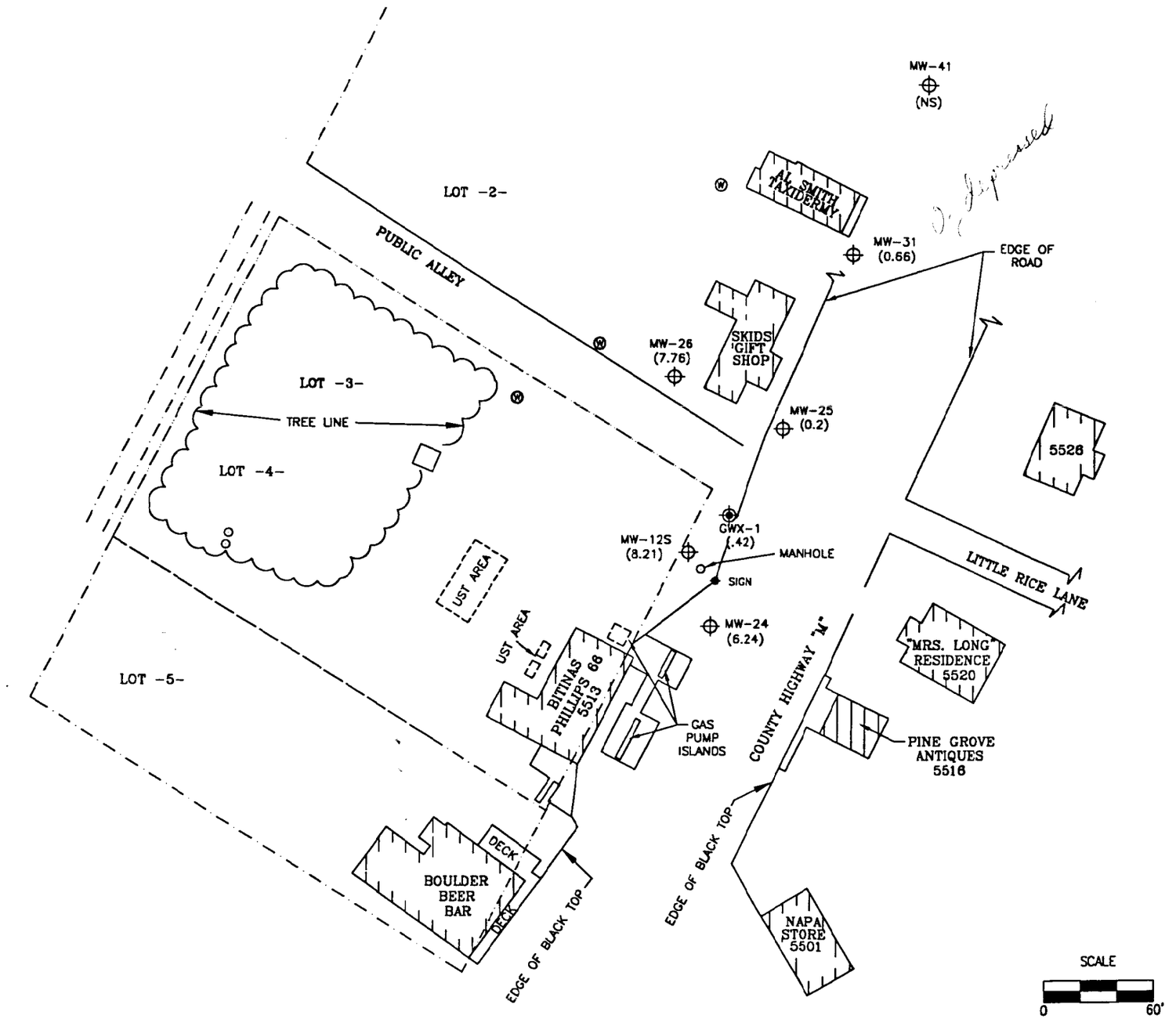
GROUNDWATER BENZENE DISTRIBUTION (2/19/99)
BITINAS PHILLIPS 66 SERVICE SITE
BOULDER JUNCTION, WISCONSIN

FIGURE NO. 5

DRAWING NO.	95.17415	DRAWN BY:	LME	CHECKED BY:		APPROVED BY:	DCL	REVISIONS:	ENGINEER	DATE	ENGINEER	DATE
			5/4/99									



LEGEND

- MONITORING WELL
- GROUNDWATER EXTRACTION WELL
- PRIVATE POTABLE WELL
- (NS) NOT SAMPLED
- ( ) DISSOLVED OXYGEN CONCENTRATION IN mg/L

N

UST AREA

FORMER 10,000-GALLON UNLEADED GASOLINE
FORMER 6,000-GALLON GASOLINE
FORMER 8,000-GALLON #2 FUEL OIL
FORMER 4,000-GALLON ULEADED GASOLINE
FORMER 550-GALLON PRE MIX

UST AREA

FORMER 550 GALLON FUEL OIL
FORMER 550-GALLON FUEL OIL

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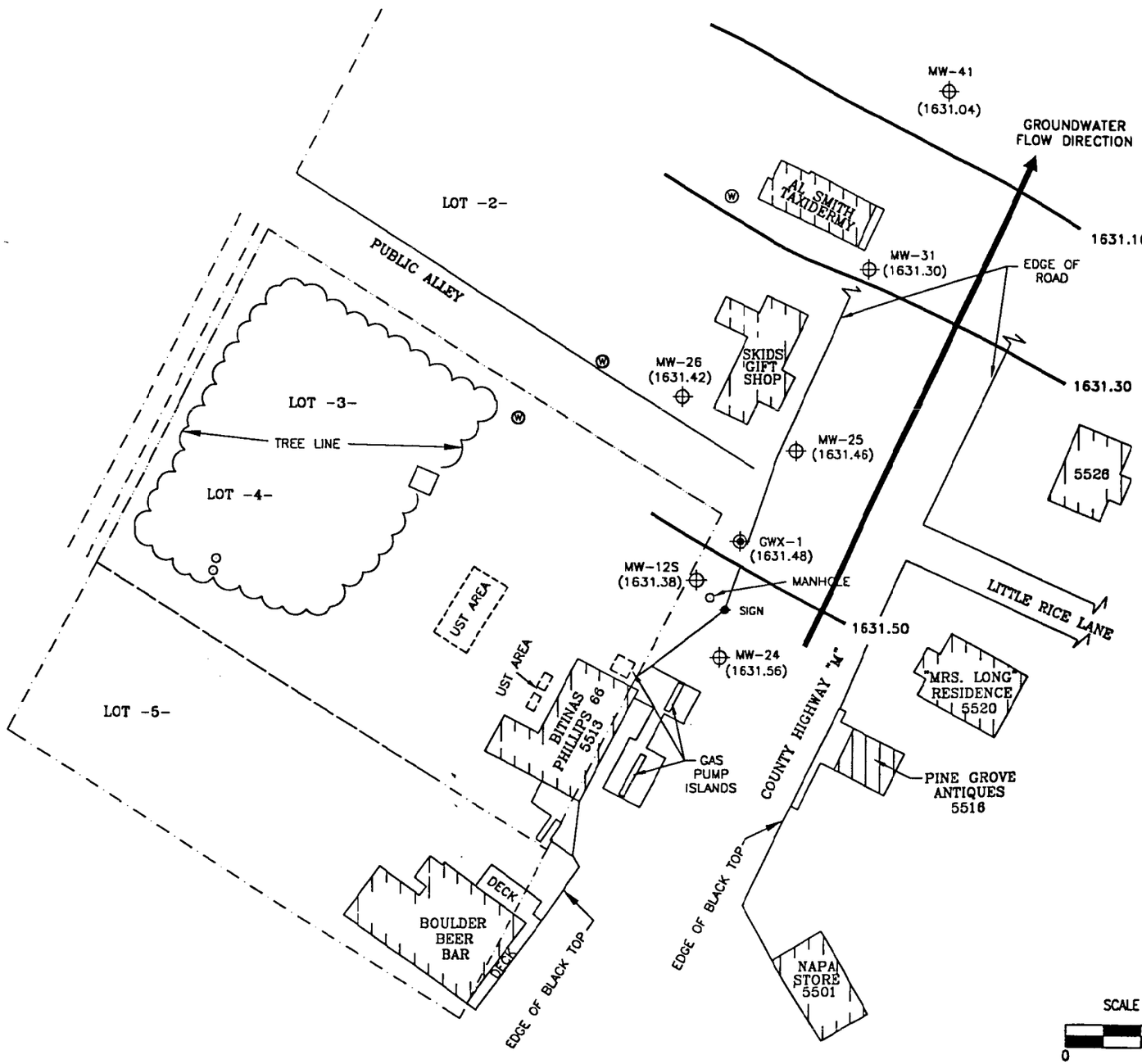
GROUNDWATER DISSOLVED OXYGEN DISTRIBUTION (11/12/98)
BITINAS PHILLIPS 66 SERVICE SITE
BOULDER JUNCTION, WISCONSIN

FIGURE NO. 6

DRAWING NO.	95.1741G
DRAWN BY:	LME
CHECKED BY:	5/4/99
APPROVED BY:	
REVISIONS:	
ENGINEER	DATE
ENGINEER	DATE



LEGEND

- MONITORING WELL
- GROUNDWATER EXTRACTION WELL
- PRIVATE POTABLE WELL
- ( ) ELEVATION IN FEET ABOVE MSL
- 1631.10 ISOELEVATION CONTOUR
- UST AREA

FORMER 10,000-GALLON UNLEADED GASOLINE
FORMER 6,000-GALLON GASOLINE
FORMER 8,000-GALLON #2 FUEL OIL
FORMER 4,000-GALLON ULEADED GASOLINE
FORMER 550-GALLON PRE MIX

- UST AREA

FORMER 550-GALLON FUEL OIL
FORMER 550-GALLON FUEL OIL

N

SCALE
0 60'

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POTENTIOMETRIC SURFACE (11/12/98)
BITINAS PHILLIPS 66 SERVICE SITE
BOULDER JUNCTION, WISCONSIN

FIGURE NO. 3

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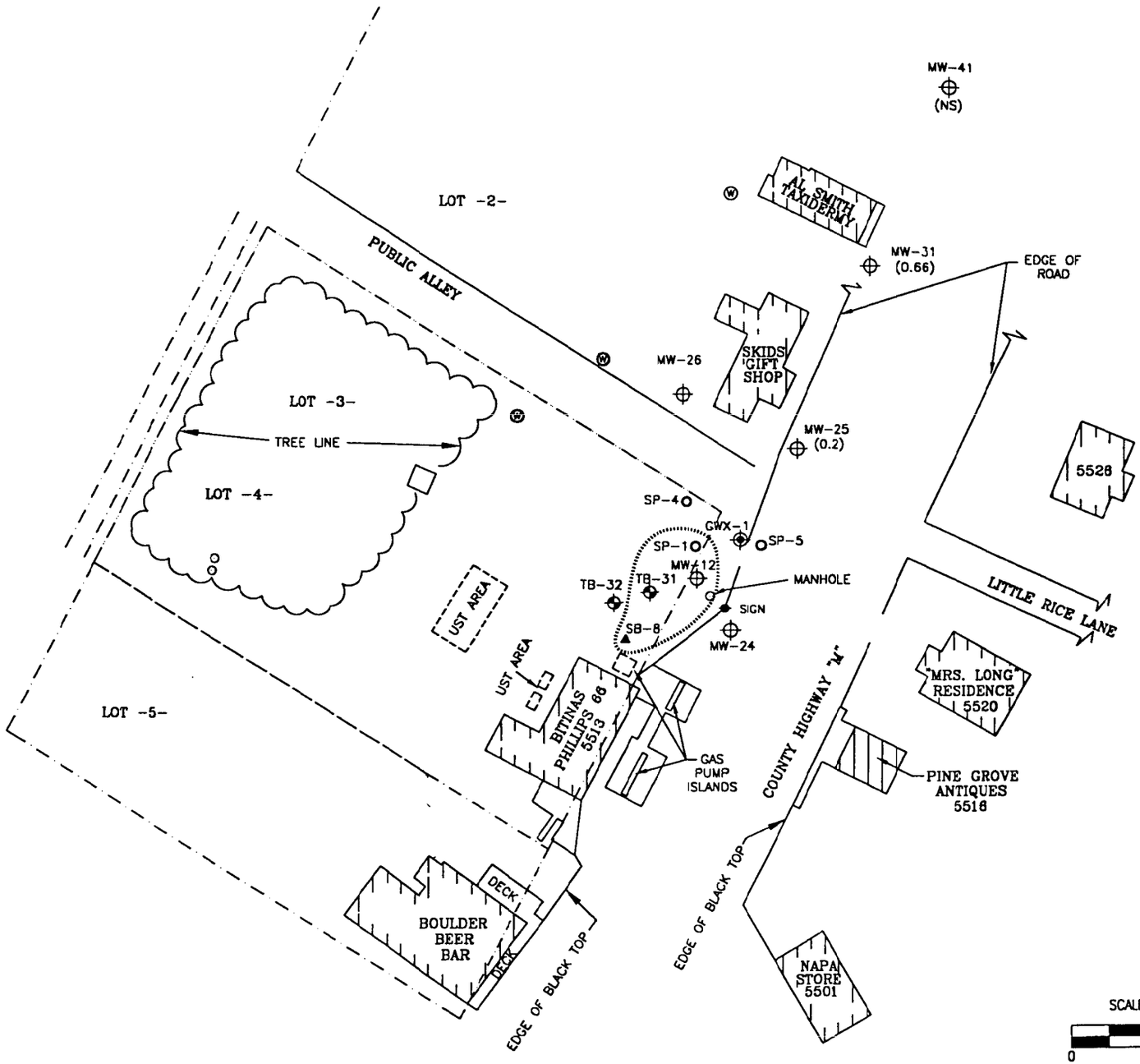

LEGEND

- MONITORING WELL
- GROUNDWATER EXTRACTION WELL
- TEST BORING
- SOIL BORING
- SPARGE WELL
- PRIVATE POTABLE WELL
- RESIDUAL SOIL BENZENE ISOCONCENTRATION CONTOUR

N

UST AREA

FORMER 10,000-GALLON UNLEADED GASOLINE
FORMER 6,000-GALLON GASOLINE
FORMER 8,000-GALLON #2 FUEL OIL
FORMER 4,000-GALLON ULEADED GASOLINE
FORMER 550-GALLON PRE MIX

UST AREA

FORMER 550-GALLON FUEL OIL
FORMER 550-GALLON FUEL OIL

ENVIROGEN
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RESIDUAL SOIL BENZENE DISTRIBUTION
BITINAS PHILLIPS 66 SERVICE SITE
BOULDER JUNCTION, WISCONSIN

FIGURE NO. 4

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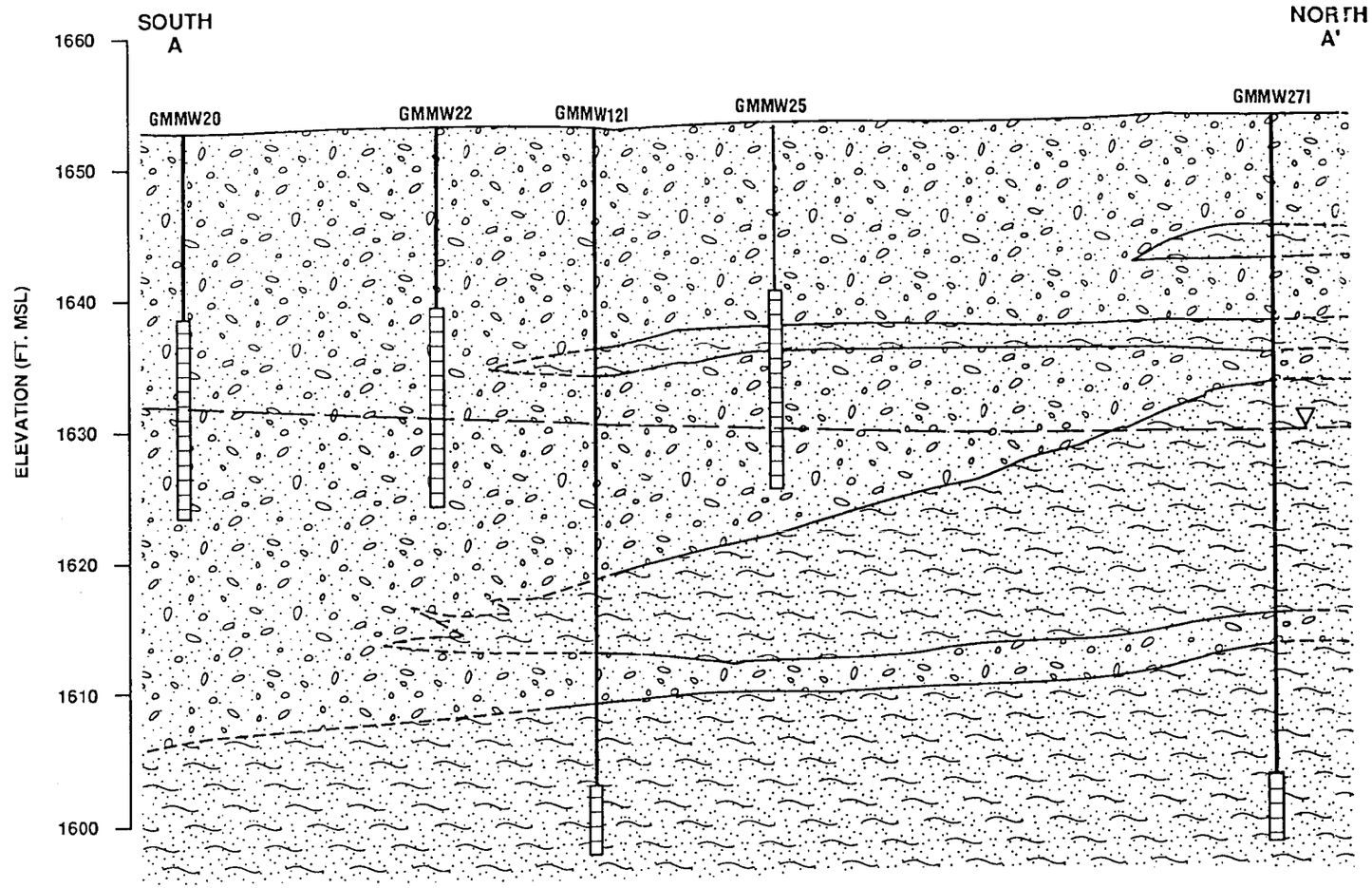

0 50 100 200
APPROXIMATE SCALE IN FEET

LEGEND

VERY FINE SAND WITH SOME SILTY SAND UNITS

SAND AND GRAVEL

GROUND WATER ELEVATIONS MEASURED SEPTEMBER 10, 1990

FIGURE 5
SOUTH - NORTH
GEOLOGIC CROSS-SECTION A-A'
BITINAS PHILLIPS 66
SERVICE STATION
BOULDER JUNCTION, WISCONSIN

GERAGHTY & MILLER, INC.
Environmental Services