State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

WISCONSIN
DEPT. OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ronald W. Kazmierczak, Regional Director

Northeast Region Headquarters
1125 N. Military Ave., P.O. Box 10448
Green Bay, Wisconsin 54307-0448
Telephone 920-492-5800
FAX 920-492-5913
TDD 920-492-5912

June 2, 2000

Mr. Scott Hafner
P.O. Box 2107
La Crosse, WI 54602-2107

SUBJECT: Case closure with a groundwater use restriction for the Kwik Trip # 606 site, 471 North Park Avenue, Fond Du Lac, WI
WDNR BRRTS # 03-20-002102

Dear Mr. Hafner:

On November 29, 1999, your request for closure of the case described above was reviewed by the Wisconsin Department of Natural Resources Northeast Region Closure Committee. This committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After careful review of the closure request, it appears at this time the site has been investigated and remediated to the extent practicable under current site conditions and that the conditions of closure (filing of a groundwater use restriction & monitoring well abandonment) have been met. Your case has been closed under s. NR 726.05, Wis. Adm. Code on June 1, 2000.

Please be aware that the case may be reopened pursuant to s. 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 to the environment.

We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me in Green Bay at (920) 492-5921.

Sincerely,

Keld B. Lauridsen
Hydrogeologist
Remediation & Redevelopment Program

cc: Karl Schuldes, Robert E. Lee & Associates
2825 South Webster Avenue, P.O. Box 2100, Green Bay, WI 54306-2100

DOCUMENT NO.

ST E BAR OF WISCONSIN FORM 5 — 1982
P..SONAL REPRESENTATIVE'S DEED

454753

THIS SPACE RESERVED FOR RECORDING DATA

RECORDED
VOL 975 PAGE 925-9
JUL 13 2 19 PM '88
Mary A. Brickle
REGISTER OF DEEDS
FOND DU LAC COUNTY, WI

GERALDINE V. OLSEN, as Personal Representative of the estate of NORMAN OLSEN, JR. ("Decedent"), for a valuable consideration conveys, without warranty, to ZRH PARTNERSHIP, Grantee, the following described real estate in Fond du Lac County, State of Wisconsin (hereinafter called the "Property"):

RETURN TO Amy Tom Kieffer
Kwik Trip Stores
P.O. Box 2107
La Crosse WI 54602-2107

19-1965

Tax Parcel No: 19-2010

RECEIVED
FEB 24 2000
LMD SOLID WASTE

TRANSFER
$ 450.30
FEE

This is not homestead property.

Personal Representative by this deed does convey to Grantee all of the estate and interest in the Property which the Decedent had immediately prior to Decedent's death, and all of the estate and interest in the Property which the Personal Representative has since acquired.

Dated this 13th day of July, 1988

ESTATE OF NORMAN OLSEN, JR.

(SEAL)

BY: Geraldine V. Olsen (SEAL)

* Geraldine V. Olsen
Personal Representative

* Personal Representative

AUTHENTICATION

Signature(s)

authenticated this day of, 19

*

TITLE: MEMBER STATE BAR OF WISCONSIN
(If not, authorized by § 706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY
Carl M. Mortensen

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

ACKNOWLEDGMENT

STATE OF WISCONSIN
FOND DU LAC County. } ss.

Personally came before me this 13th day of July, 19 88 the above named Geraldine V. Olsen, Personal Representative of the Estate of Norman Olsen, Jr.

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

Carl M. Mortensen

* Carl M. Mortensen

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

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

VOL 975 PAGE 925

Exhibit A

Township 15 North, Range 17 East, City of Fond du Lac, Fond du Lac County, Wisconsin, described as follows:

Beginning at the intersection of the East line of Park Avenue, formerly Harney Street, in the City of Fond du Lac, Wisconsin, with the Section line between Section Nos. 2 and 11, Township 15 North, Range 17 East, thence running Easterly along said Section line 120 feet, thence Northerly and parallel with the said East line of Park Avenue to a point in the South line of the Taycheedah Road, thence in a Southwesterly direction along the South line of said Taycheedah Road to the said East line of Park Avenue, and thence Southerly along the said East line of Park Avenue to the place of beginning. Excepting and reserving from the foregoing described premises the South 27 feet thereof conveyed in Volume 207 of Deeds, Page 429.

Commencing at a gas pipe stake set at the intersection of the East line of the West Half, East Half, Southwest Quarter, Southwest Quarter of Section 2, with the Southerly line of the Taycheedah Road (now known as "Winnebago Drive") and running thence Southwesterly along said Southerly line of Winnebago Drive, 125.50 feet to the gas pipe stake and the place of beginning for this conveyance, thence South parallel with the East line of said West Half, East Half, Southwest Quarter, Southwest Quarter, 94.60 feet more or less to the Southerly line of land owned by party of the first part, thence Westerly along said Southerly line, 54.76 feet more or less to the East line of land owned by Norman Olsen as in deed recorded in Volume 224 on Page 434, thence North along said Olsen's East line, 83.07 feet, more or less to the Southerly line of said Winnebago Drive, thence Northeasterly along said Southerly line, 60 feet more or less to the place of beginning.

The West 10 feet of the following described land, to-wit: Commencing at the point of intersection of the South line of the Taycheedah Road with the East line of the West One-Half of the East One-Half of the Southwest Quarter of the Southwest Quarter of Section 2, thence Southwesterly along the South line of said Taycheedah Road to the East line of lands as deeded by Bertha Hoepfner to Norman Olsen and Effie Olsen, his wife, by Warranty Deed dated May 2, 1918, and recorded on May 7, 1918 at 3:25 p.m. in Volume 201 of Deeds on Page 388, thence Southerly along the East line of said land so deeded to Olsen 81 feet, thence Easterly to a point on the East line of said West One-Half of the East One-Half of the Southwest Quarter of the Southwest Quarter of said Section 2, which point is 119½ feet South of the South line of said Taycheedah Road, thence North along said East line 119½ feet to the place of beginning.

Commencing at a point 120 feet East of the East line of Park Avenue, 27 feet North of the South line of Section 2, in the City of Fond du Lac, Wisconsin; thence North and parallel with the East line of Park Avenue to a point, 81 feet South of the South line of the Taycheedah Road; thence Easterly on a line, which if produced Easterly would intersect the East line of the West Half of the East Half of the Southwest Quarter of the Southwest Quarter of said Section 2 at a point 119½ feet South of the South line of the said Taycheedah Road, to a point 130 feet East of (measured at right angles to) the said East line of Park Avenue; thence Southerly and parallel with the East line of Park Avenue to a point 27 feet North of the South line of said Section 2, and thence West and parallel with the said South line of said Section, 10 feet to the place of beginning.

692324

Document Number

GROUNDWATER USE RESTRICTION

RECEIVED FOR RECORD

00 MAY 12 AM 9:18

Mary A. Brickle

REGISTER OF DEEDS
FOND DU LAC COUNTY, WI

Recording Area

Name and Return Address
Thomas J. Kieffer
1626 Oak Street
La Crosse, Wisconsin 54603

19-1965; 19-2010; 19-1915

Parcel Identification Number (PIN)

Declaration of Restrictions

In Re: The property described in the attached Exhibit A, which is hereby made a part of this restriction.

STATE OF WISCONSIN)
) ss
COUNTY OF LA CROSSE)

WHEREAS, ZRH Partnership is the owner of the above-described property.

WHEREAS, one or more petroleum discharges have occurred on this property. Petroleum-contaminated groundwater above ch. NR 140, Wis. Adm. Code enforcement standards existed on this property as identified on Exhibit B, hereby attached and made a part of this document, at the following location on October 7, 1998: benzene concentration of 840 microgram per liter (µg/L), methyl-tert-butyl-ether (MTBE) concentration of 110 µg/L & trimethylbenzene concentration of 552 µg/L at monitoring well MW2.

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

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

WHEREAS, construction of wells where the water quality does not comply with drinking water standards in ch. NR 809, Wis. Adm. Code is restricted by chs. NR 811 and NR 812, Wis. Adm. Code. Special well construction standards or water treatment requirements, or both, or well construction prohibitions may apply.

NOW THEREFORE, the owners hereby declare 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 it 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, Donald P. Zietlow and John J. Hansen assert that they are duly authorized to sign this document on behalf of ZRH Partnership.

IN WITNESS WHEREOF, the owners of the property have executed this Declaration of Restrictions, this 18th day of April, 2000.

ZRH Partnership

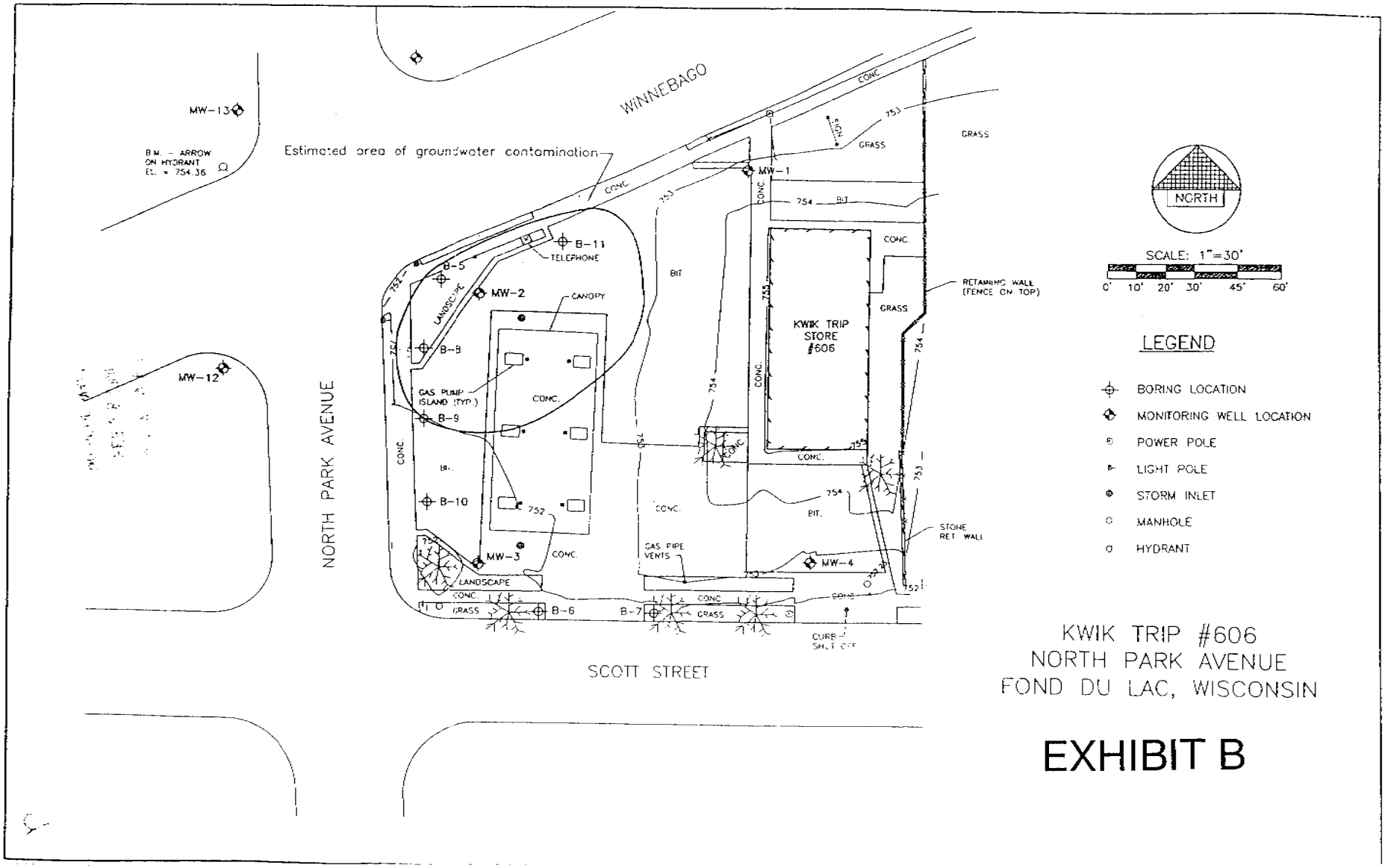
Signature: Donald P. Zietlow
Printed Name: Donald P. Zietlow, Partner

Subscribed and sworn to before me
this 18th day of April, 2000.
Rhonda C Amundsen
Notary Public, State of WISCONSIN
My commission 1/26/03

Signature: John J. Hansen
Printed Name: John J. Hansen, Partner

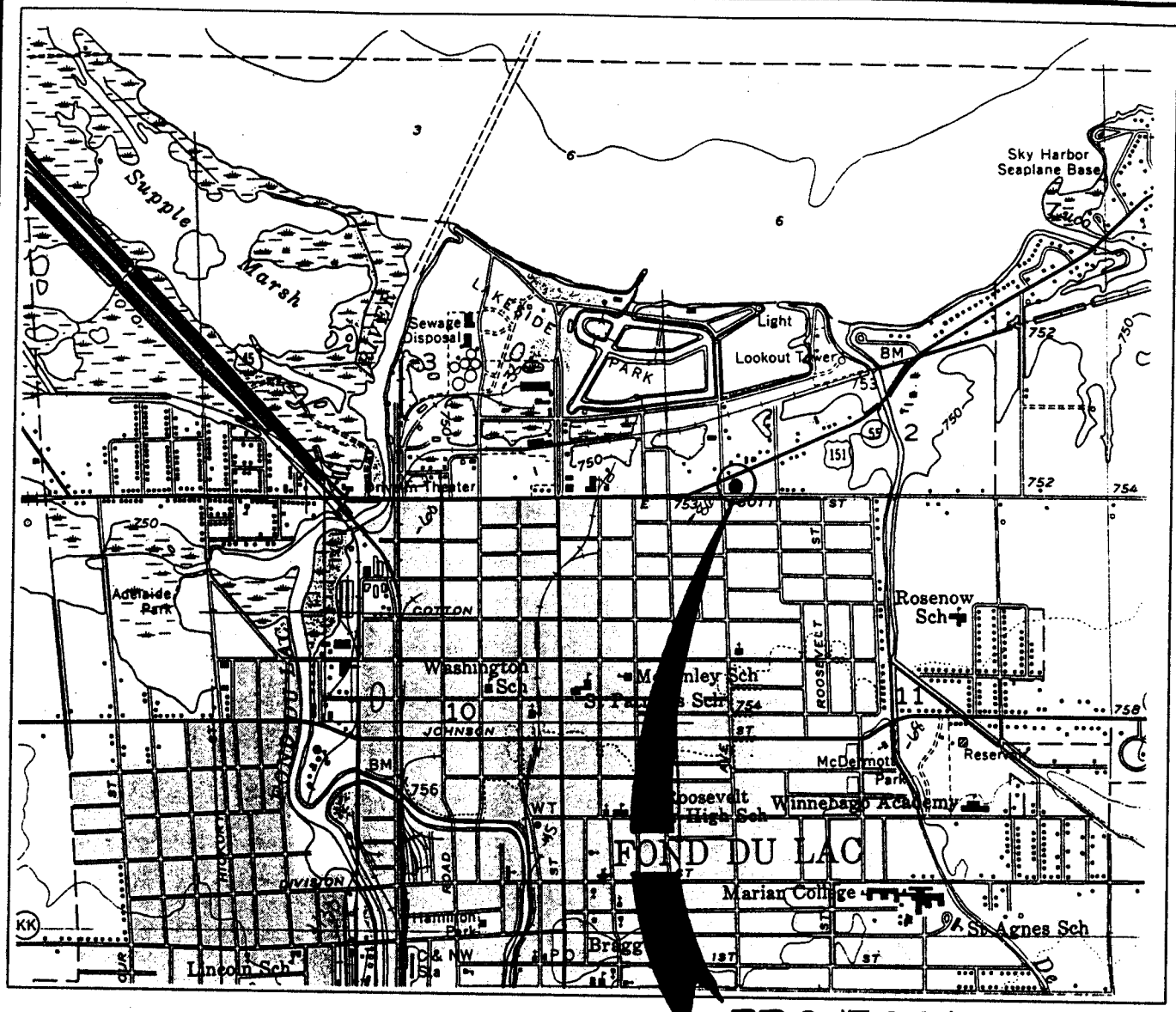
Subscribed and sworn to before me
this 18th day of April, 2000.
Rhonda C Amundsen
Notary Public, State of WISCONSIN
My commission 1/26/03

This document was drafted by Wisconsin Department of Natural Resources based on information provided by Kwik Trip, Inc. and Robert E. Lee & Associates.



KWIK TRIP #606
NORTH PARK AVENUE
FOND DU LAC, WISCONSIN

EXHIBIT B



LOCATION MAP

KWIK TRIP #606 STATION
471 NORTH PARK AVENUE
FOND DU LAC, WISCONSIN

NORTH

SCALE: 1" = 2000'

FIGURE 1

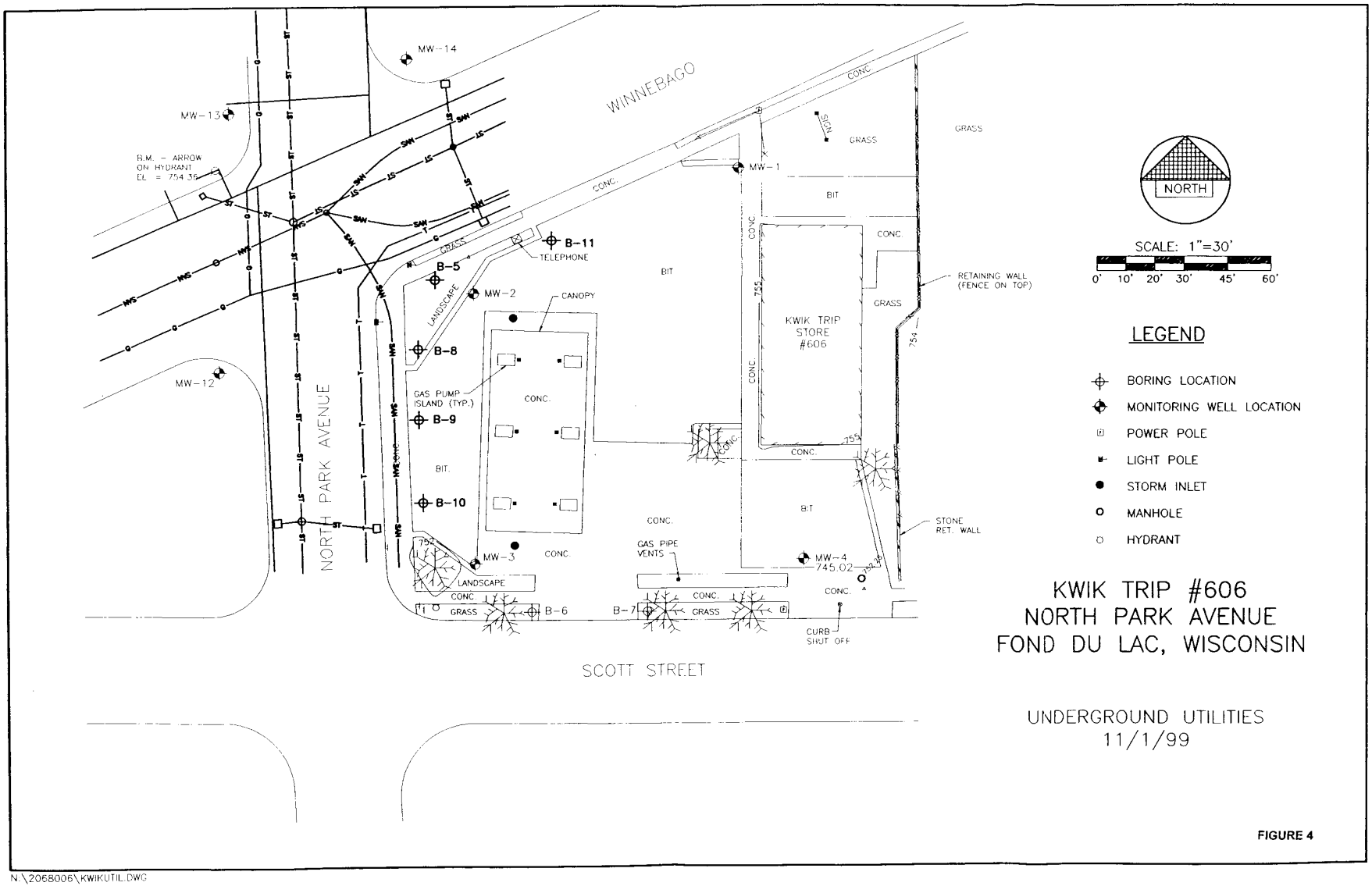
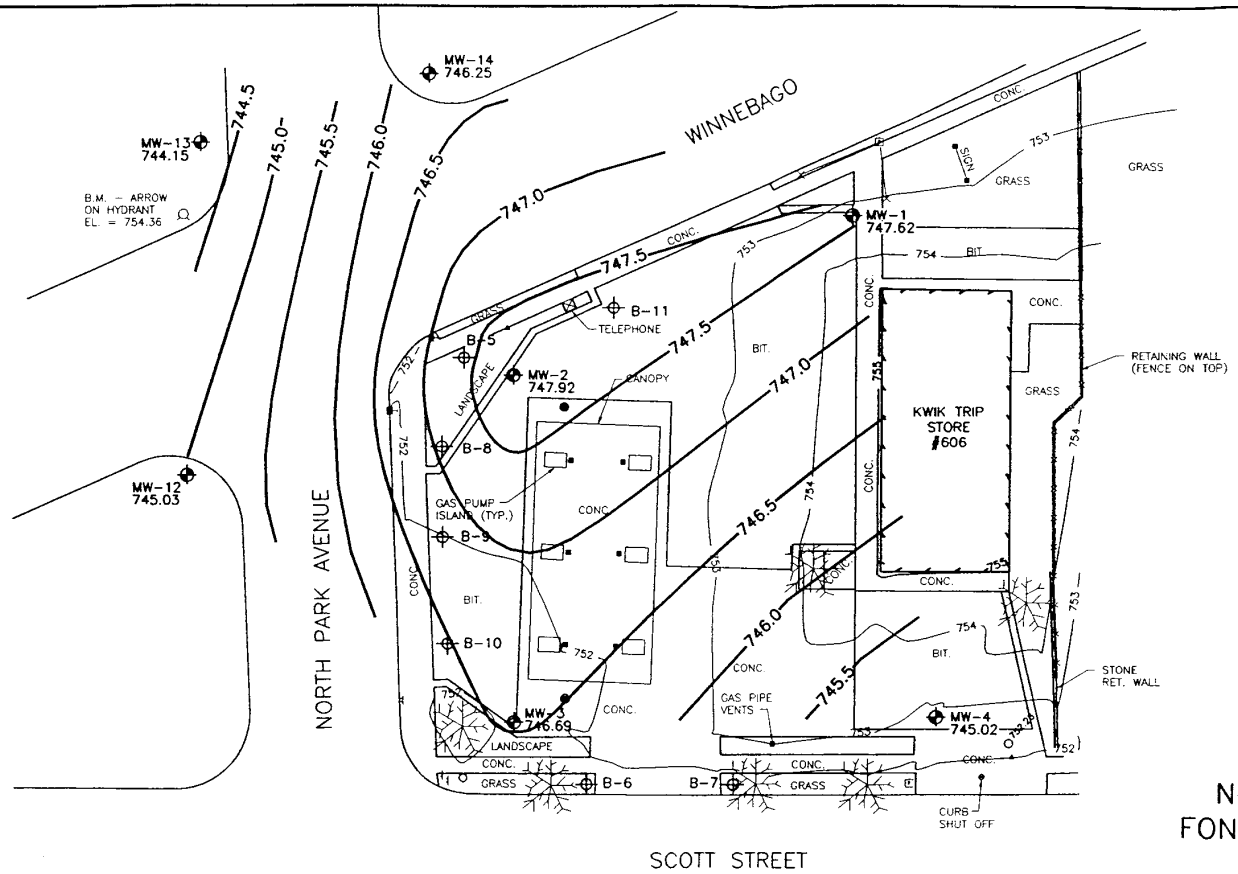
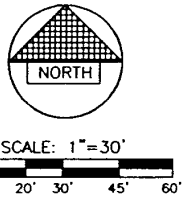


FIGURE 4

N:\2068006\KWIKUTIL.DWG





LEGEND

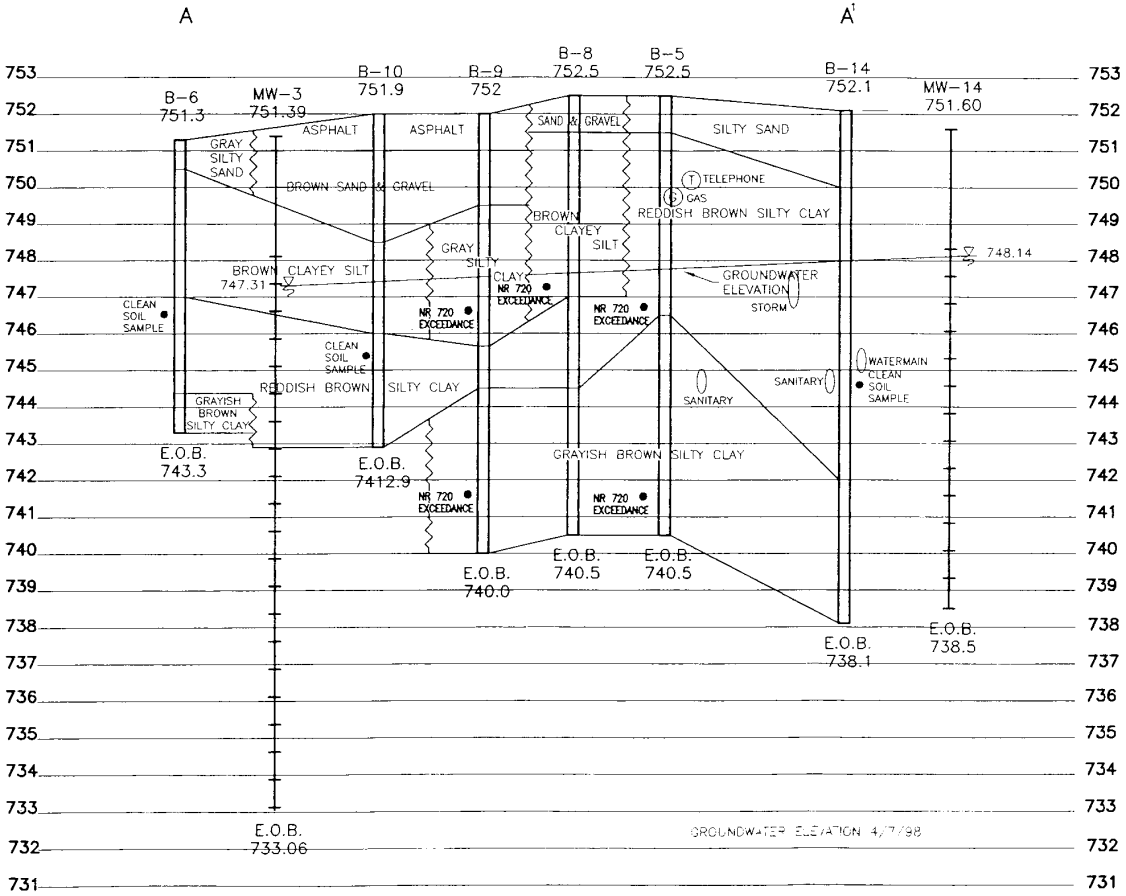
- BORING LOCATION
- MONITORING WELL LOCATION
- POWER POLE
- LIGHT POLE
- STORM INLET
- MANHOLE
- HYDRANT

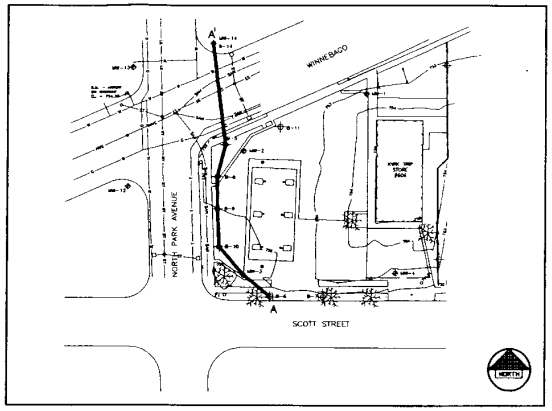
KWIK TRIP #606
NORTH PARK AVENUE
FOND DU LAC, WISCONSIN

GROUNDWATER CONTOURS
1/27/98

FIGURE 2

N:\2068006\KWIKGWATER





LEGEND

MONITORING WELL

SCALE

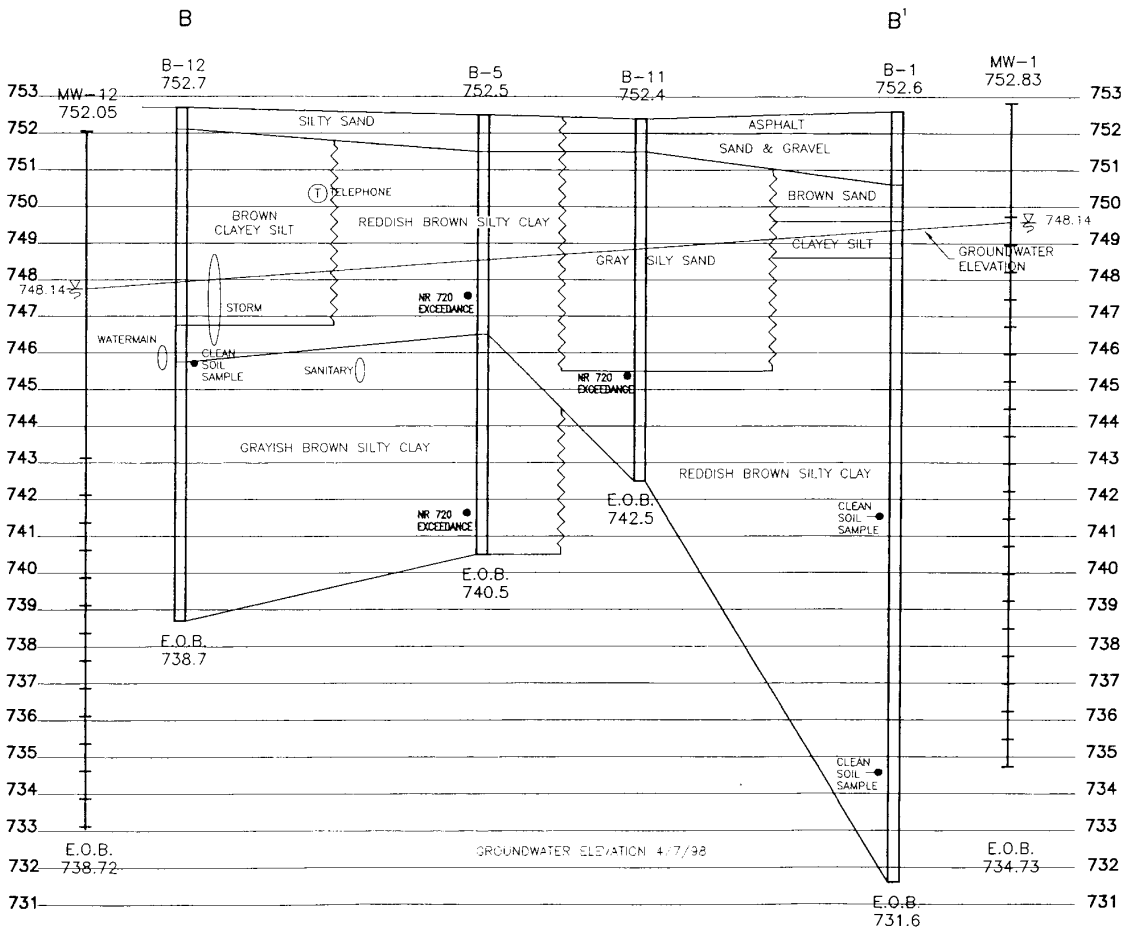
VERTICAL 1" = 2'
HORIZONTAL 1" = 30'

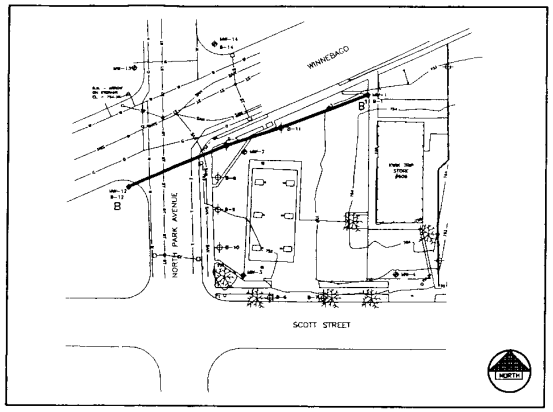
KWIK TRIP #606
NORTH PARK AVENUE
FOND DU LAC, WISCONSIN

PRE-REMEDIATION
GEOLOGICAL CROSS SECTION
A – A'

FIGURE 2

N:\2068006\KWIKGEOA.DWG





LEGEND

MONITORING WELL

SCALE

VERTICAL 1" = 2'
HORIZONTAL 1" = 30'

KWIK TRIP #606
NORTH PARK AVENUE
FOND DU LAC, WISCONSIN

PRE-REMEDIATION GEOLOGICAL CROSS SECTION

B – B'

FIGURE 3

N:\2058006\KWIKGEOA.DWG

Table 5

Parameter	ES	PAL	MW-1								
			7/19/96	9/26/96	1/8/97	7/9/97	10/15/97	1/27/98	4/7/98	7/2/98	10/7/98
Alkalinity (mg/l)	-		NA	400	380	380	380	390	330	330	334
Nitrate (mg/l)	-		NA	1.4	1.6	1.5	1.1	0.86	0.61	0.95	0.730
Sulfate (mg/l)	-		NA	81	99	96	92	93	97	92	91
Iron (mg/l)	-		NA	<0.10	<0.012	<0.033	<0.019	<0.019	<0.019	<0.019	<0.020
Manganese (mg/l)	-		NA	<0.025	<0.0057	0.015	<0.0063	<0.0063	<0.0063	<0.0063	5.9
Dissolved Oxygen (ppm)	-		NA	NA	NA	.08	1.4	3.8	2.9	1.76	.97
Redox (mv)	-		NA	NA	NA	259	208.1	134.0	110.0	299.0	310.0
Conductivity (mS)	-		NA	NA	NA	1040.0	12.9	1240.0	2190.0	3116.0	2819.0
pH	-		NA	NA	NA	6.62	6.70	6.48	6.02	7.42	6.87
PVOC (µg/l)											
Benzene	5	.5	<0.2	<0.50	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.20
Ethylbenzene	700	140	<0.2	<1.0	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.30
MTBE	60	12	<0.3	<1.0	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.20
Toluene	343	68.6	<0.2	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2,4-Trimethylbenzene	-	-	<0.4	<1.0	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.30
1,3,5-Trimethylbenzene	-	-	<0.3	<1.0	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.30
Xylene	620	124	<0.3	<3.0	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.60
GRO	-	-	NA	<50	<50	<50	<50	<50	<50	<50	<30

Table 6

Parameter	ES	PAL;	MW-2								
			7/19/96	9/26/96	1/8/97	7/9/97	10/15/97	1/27/98	4/7/98	7/2/98	10/7/98
Alkalinity (mg/l)	-		NA	490	470	440	480	470	270	420	394
Nitrate (mg/l)	-		NA	<0.20	<0.10	0.032	0.024	<0.017	0.18	<0.017	<0.14
Sulfate (mg/l)	-		NA	5.4	<2.0	41	34	4	40	17	15
Iron (mg/l)	-		NA	5.5	4.5	1.5	2.6	4.8	0.19	2.4	2.66
Manganese (mg/l)	-		NA	1.7	1.5	0.84	1.3	0.80	0.47	0.63	747
Dissolved Oxygen (ppm)	-		NA	NA	NA	2.50	0.2	0.3	0.4	.12	.14
Redox (mv)	-		NA	NA	NA	-91	-108.0	-160.0	20.0	116.0	129.0
Conductivity (mS)	-		NA	NA	NA	1,040.0	850.0	1320.0	1,120.0	1,649.0	2,261.0
pH	-		NA	NA	NA	6.96	6.79	6.88	6.66	7.47	6.95
PVOC (µg/l)											
Benzene	5	.5	708	820	530	600	1,100	710	370	510	840
Ethylbenzene	700	140	**444**	**510**	**350**	**360**	**640**	**400**	**250**	**320**	**440**
MTBE	60	12	203	<200	160	<150	<1.6	<0.80	<60	<75	110
Toluene	343	68.6	52	**77**	34	37	**93**	37	16	24	40
1,2,4-Trimethylbenzene	-	-	526	540	320	380	790	330	250	320	540
1,3,5-Trimethylbenzene	-	-	117	80	75	,91	42	<52	<6.0	5.7	12
Xylene	620	124	**503**	**550**	**220**	**280**	660	**190**	**140**	**220**	**398**
GRO	-	-	NA	6,600	4,000	5,300	8,600	5,000	3,600	3,600	4,800

= Exceedance of Enforcement Standard

NA = Not analyzed

Table 7

Parameter	ES	PAL	MW-3								
			7/19/96	9/26/96	1/8/97	7/9/97	10/15/97	1/27/98	4/7/98	7/2/98	10/7/98
Alkalinity (mg/l)	-		NA	610	660	550	590	580	540	520	614
Nitrate (mg/l)	-		NA	0.27	0.13	.025	0.060	0.021	0.47	0.19	<0.14
Sulfate (mg/l)	-		NA	60	67	81	83	82	82	76	43
Iron (mg/l)	-		NA	0.17	<0.012	<0.033	<0.019	<0.019	<0.019	<0.019	<0.020
Manganese (mg/l)	-		NA	0.33	0.16	0.0090	0.020	0.044	0.039	<0.0063	33.2
Dissolved Oxygen (ppm)	-		NA	NA	NA	1.80	0.6	0.4	1.1	1.54	.56
Redox (mv)	-		NA	NA	NA	251	220.0	174.0	143.0	327.0	323.0
Conductivity (mS)	-		NA	NA	NA	770.0	930.0	1570.0	1550.0	2370.0	2639.0
pH	-		NA	NA	NA	6.77	6.62	6.73	6.53	7.29	6.85
PVOC (µg/l)											
Benzene	5	.5	<0.2	<0.50	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.20
Ethylbenzene	700	140	<0.2	<1.0	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.30
MTBE	60	12	<0.3	1.6	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.20
Toluene	343	68.6	<0.2	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2,4-Trimethylbenzene	-	-	<0.4	<1.0	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.30
1,3,5-Trimethylbenzene	-	-	<0.3	<1.0	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.30
Xylene	620	124	<0.3	<3.0	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.60
GRO	-	-	NA	<50	<50	<50	<50	<50	<50	<50	<30

Table 8

Parameter	ES	PAL	MW-4								
			7/19/96	9/26/96	1/8/97	7/9/97	10/15/97	1/27/98	4/7/98	7/2/98	10/7/98
Alkalinity (mg/l)	-		NA	370	650	680	680	630	550	590	673
Nitrate (mg/l)	-		NA	<0.20	12	15	15	15	10	18	13.2
Sulfate (mg/l)	-		NA	1260	240	260	300	390	590	180	320
Iron (mg/l)	-		NA	<0.10	<0.013	<0.033	<0.019	<0.019	<0.019	<0.019	<0.020
Manganese (mg/l)	-		NA	0.22	0.044	0.016	<0.0063	<0.0063	<0.0063	<0.0063	4.0
Dissolved Oxygen (ppm)	-		NA	NA	NA	.05	0.9	1.6	2.5	1.71	.76
Redox (mv)	-		NA	NA	NA	247	226.0	198.0	149.0	326.0	376.0
Conductivity (mS)	-		NA	NA	NA	1320.0	970.0	1770.0	1740.0	1776.0	1914.0
pH	-		NA	NA	NA	6.92	6.77	6.83	6.57	7.28	6.79
PVOC (µg/l)											
Benzene	5	.5	<0.2	<0.50	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.20
Ethylbenzene	700	140	<0.2	<1.0	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.30
MTBE	60	12	<0.3	<1.0	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.20
Toluene	343	68.6	<0.2	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2,4-Trimethylbenzene	-	-	<0.4	<1.0	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.30
1,3,5-Trimethylbenzene	-	-	<0.3	<1.0	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.30
Xylene	620	124	<0.3	<3.0	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.60
GRO	-	-	NA	<50	<50	<50	<50	<50	<50	<50	<30

= Exceedance of Enforcement Standard

NA = Not analyzed

Table 9

Parameter	ES	PAL	MW-12								
			7/19/96	9/26/96	1/8/97	7/9/97	10/15/97	1/27/98	4/7/98	7/2/98	10/7/98
Alkalinity (mg/l)	-		NA	430	380	350	360	340	290	350	352
Nitrate (mg/l)	-		NA	<0.20	0.45	0.43	<0.017	0.13	3.1	1.1	1.74
Sulfate (mg/l)	-		NA	100	37	130	120	210	130	110	100
Iron (mg/l)	-		NA	<0.10	<0.012	0.038	<0.019	<0.019	<0.019	<0.019	<0.020
Manganese (mg/l)	-		NA	<0.025	0.030	0.024	0.0073	<0.0063	<0.0063	<0.0063	29.3
Dissolved Oxygen (ppm)	-		NA	NA	NA	1.0	0.3	1.0	4.2	.81	4.55
Redox (mv)	-		NA	NA	NA	266	224.0	186.0	152.0	328.0	306.0
Conductivity (mS)	-		NA	NA	NA	1940.0	1540.0	2500.0	2650.0	3575.0	2852.0
pH	-		NA	NA	NA	6.67	6.63	6.62	6.29	7.40	7.15
PVOC (µg/l)											
Benzene	5	.5	<0.2	<0.50	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.20
Ethylbenzene	700	140	<0.2	<1.0	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.30
MTBE	60	12	<0.3	<1.0	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.20
Toluene	343	68.6	<0.2	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2,4-Trimethylbenzene	-	-	<0.4	<1.0	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.30
1,3,5-Trimethylbenzene	-	-	<0.3	<1.0	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.30
Xylene	620	124	<0.3	<3.0	<0.23	<0.23	0.28	0.28	0.28	<0.23	<0.60
GRO	-	-	NA	<50	<50	<50	<50	<50	<50	<50	<30

Table 10

Parameter	ES	PAL	MW-13								
			7/19/96	9/26/96	1/8/97	7/9/97	10/15/97	1/27/98	4/7/98	7/2/98	10/7/98
Alkalinity (mg/l)	-		NA	480	470	380	460	460	430	400	468
Nitrate (mg/l)	-		NA	1.6	0.47	3.6	1.9	0.26	18	6.9	1.63
Sulfate (mg/l)	-		NA	73	86	170	62	78	60	46	45
Iron (mg/l)	-		NA	<0.10	<0.012	<0.033	<0.019	<0.019	<0.019	<0.019	<0.020
Manganese (mg/l)	-		NA	<0.025	<0.0057	<0.0087	<0.0063	<0.0063	<0.0063	<0.0063	1.9
Dissolved Oxygen (ppm)	-		NA	NA	NA	1.9	1.1	1.6	6.1	.93	2.56
Redox (mv)	-		NA	NA	NA	243	229.0	163.0	149.0	313.0	303.0
Conductivity (mS)	-		NA	NA	NA	770.0	550.0	730.0	1050.0	947.0	1016.0
pH	-		NA	NA	NA	6.77	6.83	6.81	6.15	7.54	6.99
PVOC (µg/l)											
Benzene	5	.5	<0.2	<0.50	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.20
Ethylbenzene	700	140	<0.2	<1.0	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.30
MTBE	60	12	<0.3	<1.0	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.20
Toluene	343	68.6	<0.2	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2,4-Trimethylbenzene	-	-	<0.4	<1.0	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.30
1,3,5-Trimethylbenzene	-	-	<0.3	<1.0	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.30
Xylene	620	124	<0.3	<3.0	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.60
GRO	-	-	NA	<50	<50	<50	<50	<50	<50	<50	<30

= Exceedance of Enforcement Standard

NA = Not analyzed

Table 11

Parameter	ES	PAL	MW-14								
			7/19/96	9/26/96	1/8/97	7/9/97	10/15/97	1/27/98	4/7/98	7/2/98	10/7/98
Alkalinity (mg/l)	-		NA	360	390	390	390	380	360	370	370
Nitrate (mg/l)	-		NA	0.37	1.0	0.52	0.76	0.98	0.93	0.28	0.970
Sulfate (mg/l)	-		NA	710	160	32	210	340	180	110	110
Iron (mg/l)	-		NA	<0.10	<0.012	<0.033	<0.019	<0.019	<0.019	<0.019	<0.020
Manganese (mg/l)	-		NA	0.34	<0.0057	<0.0087	0.015	<0.0063	<0.0063	<0.0063	0.7
Dissolved Oxygen (ppm)	-		NA	NA	NA	0.0	2.7	5.7	5.7	3.01	4.09
Redox (mv)	-		NA	NA	NA	253	233.0	156.0	133.0	312.0	297.0
Conductivity (mS)	-		NA	NA	NA	1220.0	1060.0	1580.0	1500.0	2025.0	2094.0
pH	-		NA	NA	NA	6.69	6.66	6.47	6.15	7.54	7.11
PVOC (µg/l)											
Benzene	5	.5	<0.2	<0.50	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.20
Ethylbenzene	700	140	0.3	<1.0	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.30
MTBE	60	12	<0.3	1.8	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.20
Toluene	343	68.6	0.2	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2,4-Trimethylbenzene	-	-	0.9	<1.0	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.30
1,3,5-Trimethylbenzene	-	-	<0.3	<1.0	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.30
Xylene	620	124	1.1	<3.0	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.60
GRO	-	-	NA	<50	<50	<50	<50	<50	<50	<50	<30

= Exceedance of Enforcement Standard

NA = Not analyzed