File

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

WISCONSIN
DEPT. OF NATURAL RESOURCES

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

Appleton Field Station
Agricultural Services Center
3369 W. Brewster Street
Appleton, Wisconsin 54914-1602
Telephone 920-832-1803
FAX 920-832-1800

August 16, 2000

Mr. Joe McEwen
534 South Washington Street
Kimberly, WI 54136

Subject: Case Closure with Municipal Notification of Residual Contamination in a Public Right of Way, Joe's Power Center, 403 E. Kimberly Avenue, Kimberly, Wisconsin, WDNR BRRTS ID# 03-45-101023

Dear Mr. McEwen:

On October 28, 1999, the above-named site was reviewed by the Northeast Region Closure Committee for a determination as to whether or not the case qualified for closeout under ch. NR 726, Wis. Adm. Code. The committee agreed that this case could be closed pending notification to the appropriate municipal departments of residual contamination in a public right of way.

We have received copies of the municipal notification of residual contamination in the public right of way. We have also received documentation of the abandonment of all site monitoring points. Based on the investigative and remedial documentation provided to the Department, it appears that the petroleum contamination at the above-named site has been remediated to the extent practicable under current site conditions. Therefore, closure of this site has been granted and no further action is necessary at this time.

If you have any additional relevant information that was not formerly provided to the Department, you should submit this information to the Department for evaluation. If you have any questions regarding this determination, please contact me at (920) 832-1803.

Sincerely,

Jennifer Huffman

Jennifer Huffman, P.G.
Hydrogeologist
Remediation and Redevelopment Program

cc: Stuart Boerst – McMahon Associates, 1445 McMahon Drive, Neenah, WI 54956

McMAHON
ASSOCIATES, INC.

ENGINEERS ■ ARCHITECTS
SCIENTISTS ■ SURVEYORS

1445 McMahon Drive Neenah, WI 54956
Mailing Address: P.O. Box 1025 Neenah, WI 54957-1025
Tel: (920) 751-4200 Fax: (920) 751-4284
e-mail: mcm@athenet.net
home page: http://www.athenet.net/~mcm

July 24, 2000

Mr. Dick Vanden Boogaard
Village Street Commissioner
Village of Kimberly
515 West Kimberly Avenue
Kimberly, WI 54136

Mr. Rick Hermus
Village Administrator / Clerk
Village of Kimberly
515 West Kimberly Avenue
Kimberly, WI 54136

Re: Joe's Power Center Project
Notification of Petroleum Contaminated Saturated
Material & Groundwater Beneath Kimberly Avenue
McM. No. J047-98516

Dear Dick & Rick:

The purpose of this letter is to notify the Village of Kimberly of the presence of petroleum contaminated saturated material and groundwater contamination above the enforcement standards (ES) of Chapter NR 140.10 beneath the Kimberly Avenue right-of-way (ROW). Attached is Exhibit 1 showing the location of the groundwater plume above the preventive action limit (PAL) of Chapter NR 140.10 that was generated from the Joe's Power Center property. The Exhibit also shows the groundwater plume associated with the Village of Kimberly environmental project. This notification satisfies the requirements NR 726.05(2)(b)4 for case closure by the Department of Natural Resources (DNR) for the Joe's Power Center project, 403 East Kimberly Avenue, Kimberly, Wisconsin.

On April 11, 2000, the DNR determined that the Joe's Power Center environmental case could be closed once a Groundwater Use Restriction is filed with Outagamie County for the Kimberly Avenue ROW. Since that time NR 726.05(2)(b)4 was amended to read the following:

> If there are Chapter NR 140 enforcement standard exceedances on the property or properties, a Groundwater Use Restriction, which satisfies the requirements of Sub. (8)(am) has been recorded at the County Register of Deeds office for each property, except that a Groundwater Use Restriction is not required for a public street or highway right-of-way where there are Chapter 140 enforcement standard exceedances in a stable or receding plume provided that the municipal clerk, and the Municipal Department or State Agency, that is responsible for maintaining the street or highway have been given written notification of the presence of residual soil and groundwater contamination within the right-of-way.

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Therefore, a Groundwater Use Restriction is no longer needed and this notification letter satisfies the requirements of NR 726.05(2)(b)4 for case closure.

If you have any questions, please contact me.

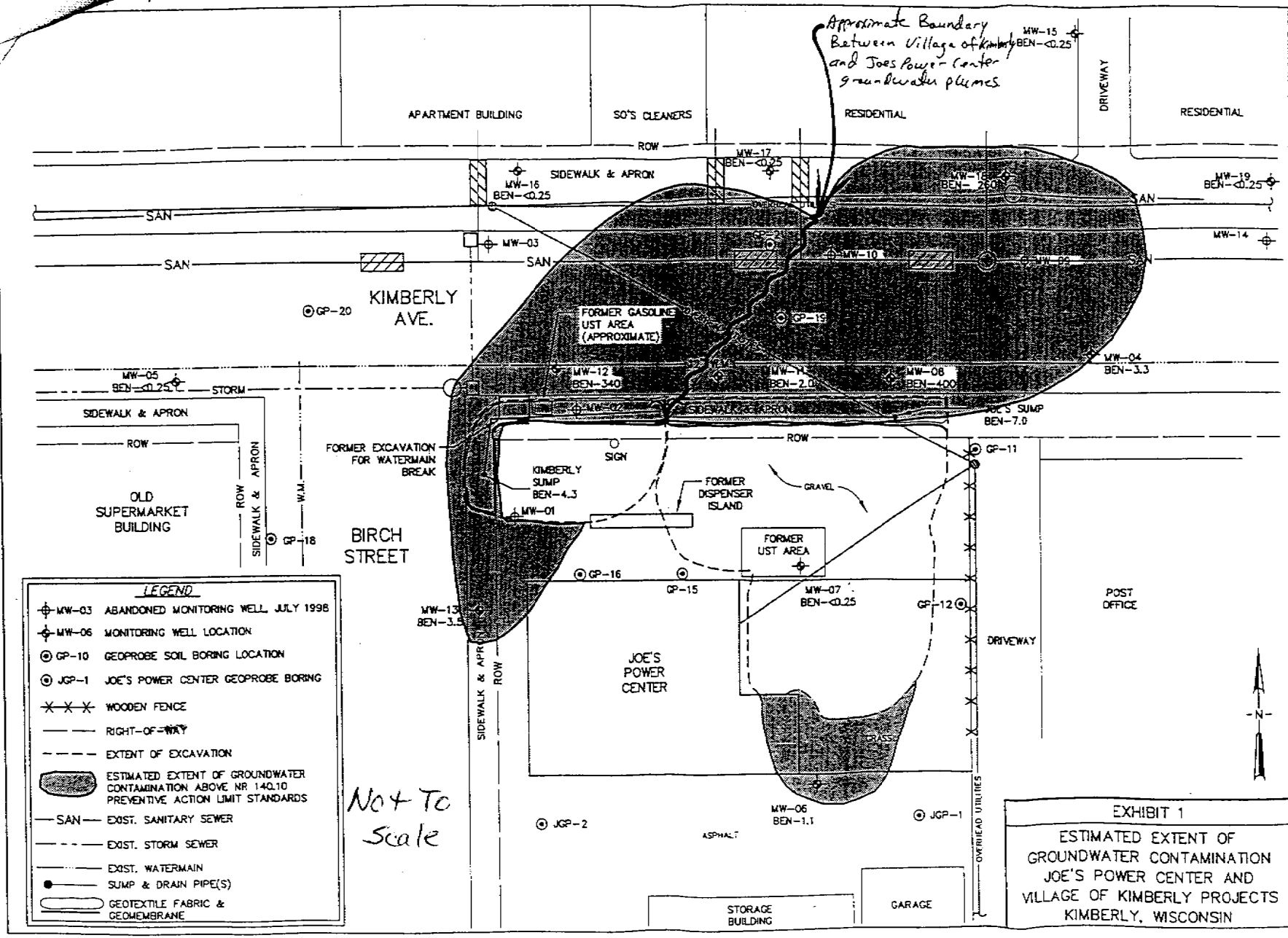
Very Truly Yours,

McMahon Associates, Inc.

Stuart A. Boerst, P.S., P.H.
Hydrogeologist

SAB:sbk

cc: Joe McEwen - Joe's Power Center



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ALL UTILITY LOCATIONS ARE APPROXIMATE. ACTUAL UTILITY LOCATIONS SHOULD BE FIELD VERIFIED PRIOR TO SUBSURFACE ACTIVITIES.

EXHIBIT 1

ESTIMATED EXTENT OF GROUNDWATER CONTAMINATION JOE'S POWER CENTER AND VILLAGE OF KIMBERLY PROJECTS KIMBERLY, WISCONSIN

McMAHON ASSOCIATES, INC. ENGINEERS ARCHITECTS SCIENTISTS SURVEYORS
1445 McMahon Drive Neenah, WI 54956
Mailing Address: P.O. Box 1025 Neenah, WI 54957-1025

DESIGNED | DRAWN MJA | CHECKED

SCALE 1" = 20' | DATE JAN. 1998 | PROJECT NO. | SHEET NO. | FILE NO.

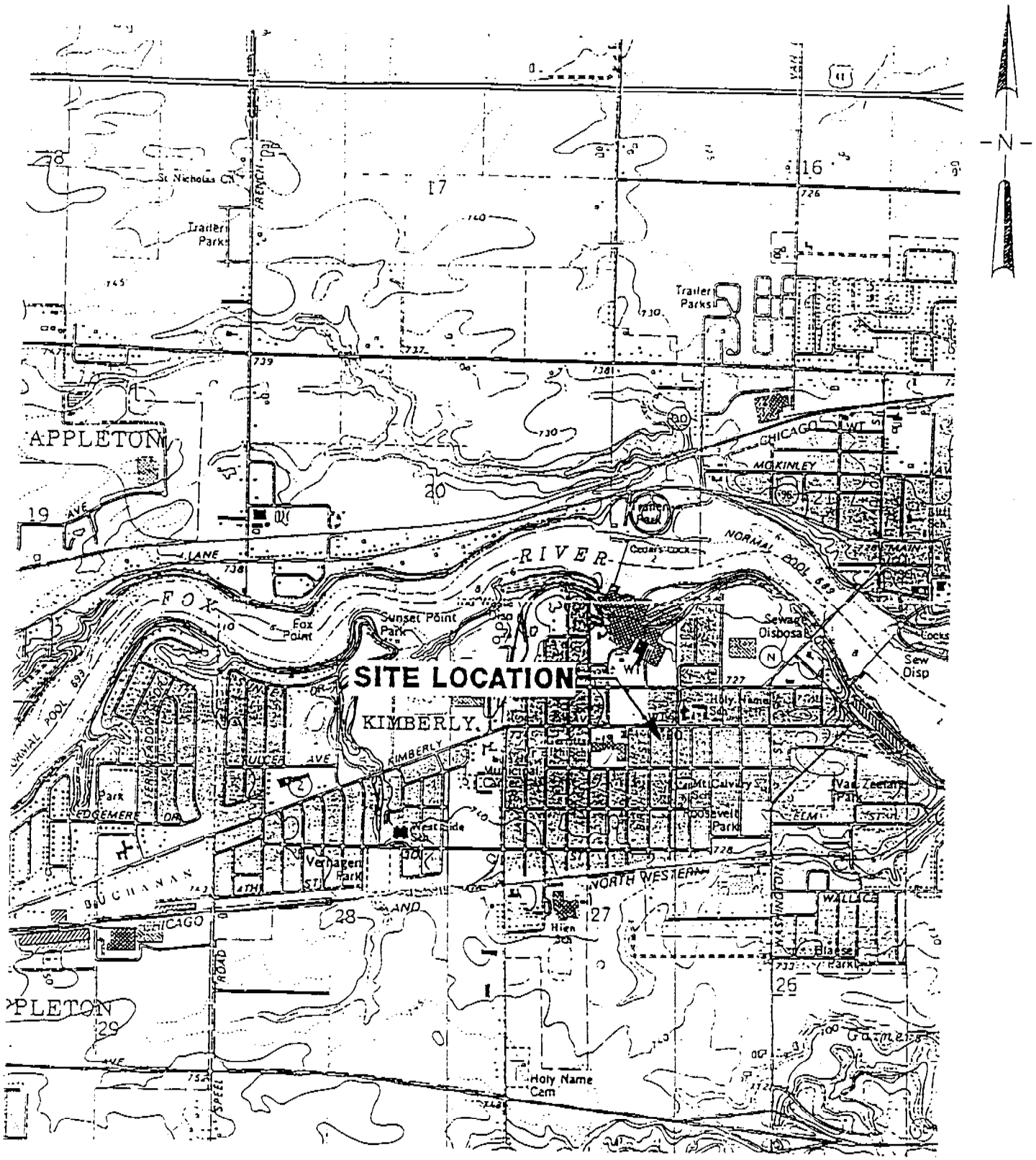

FIGURE 1

SITE LOCATION MAP
403 E. KIMBERLY AVE
VILLAGE OF KIMBERLY

McMAHON ASSOCIATES, INC.
ENGINEERS • ARCHITECTS
PLANNERS • SURVEYORS

1377 MIDWAY RD., P.O. BOX 403 • MENASHA, WI. 54952 • (414) 739-0351

Project No. K001-98517 Date 9/99
Drawn By AKW Scale NONE

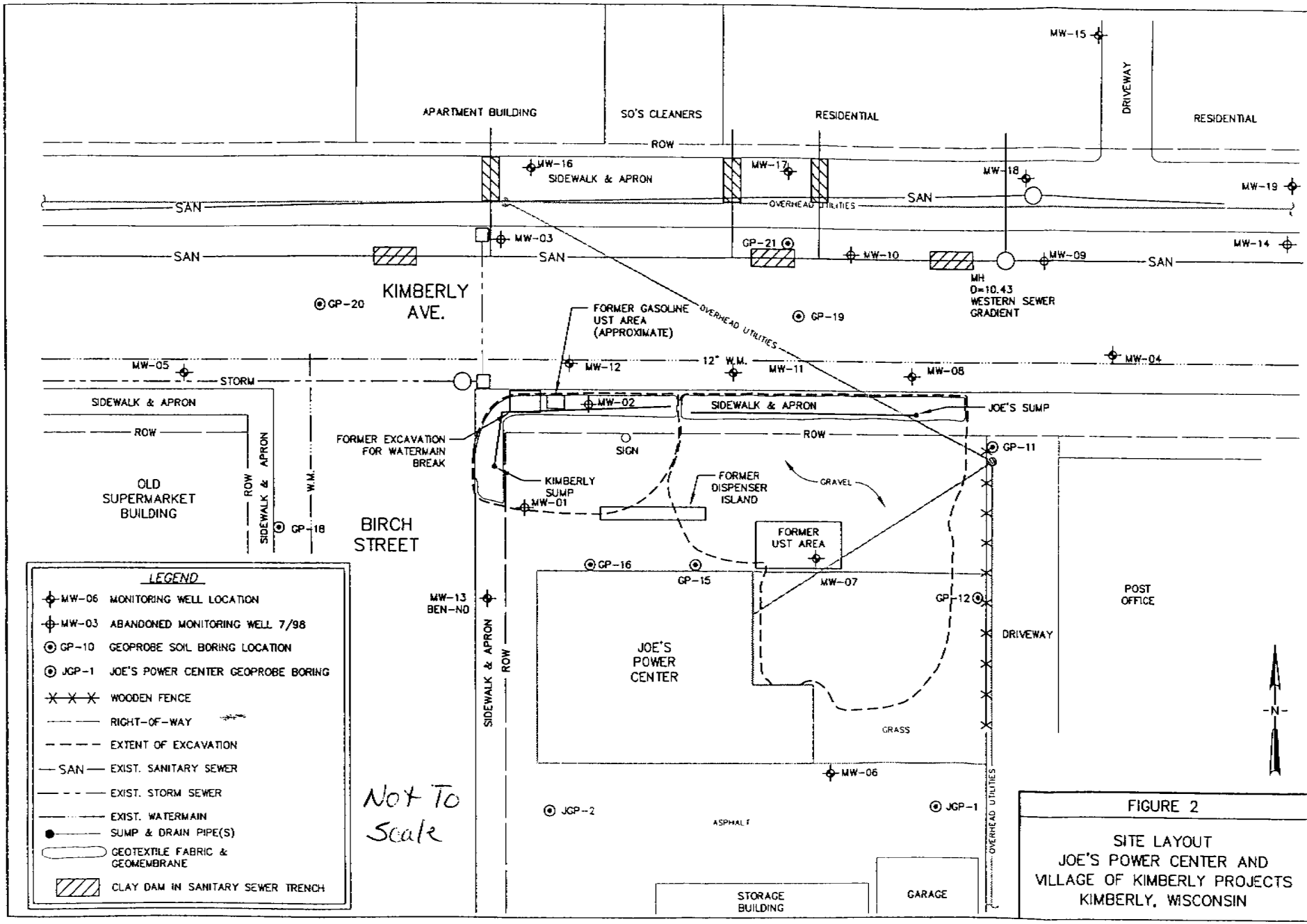

FIGURE 2

SITE LAYOUT
JOE'S POWER CENTER AND
VILLAGE OF KIMBERLY PROJECTS
KIMBERLY, WISCONSIN

McMAHON ASSOCIATES, INC.
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1445 McMahon Drive Neenah, WI 54956
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TEL: 920-751-4200 FAX: 920-751-4284

DESIGNED
DRAWN MJA
CHECKED

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DATE JAN., 1998
PROJECT NO.
SHEET NO.
FILE NO.

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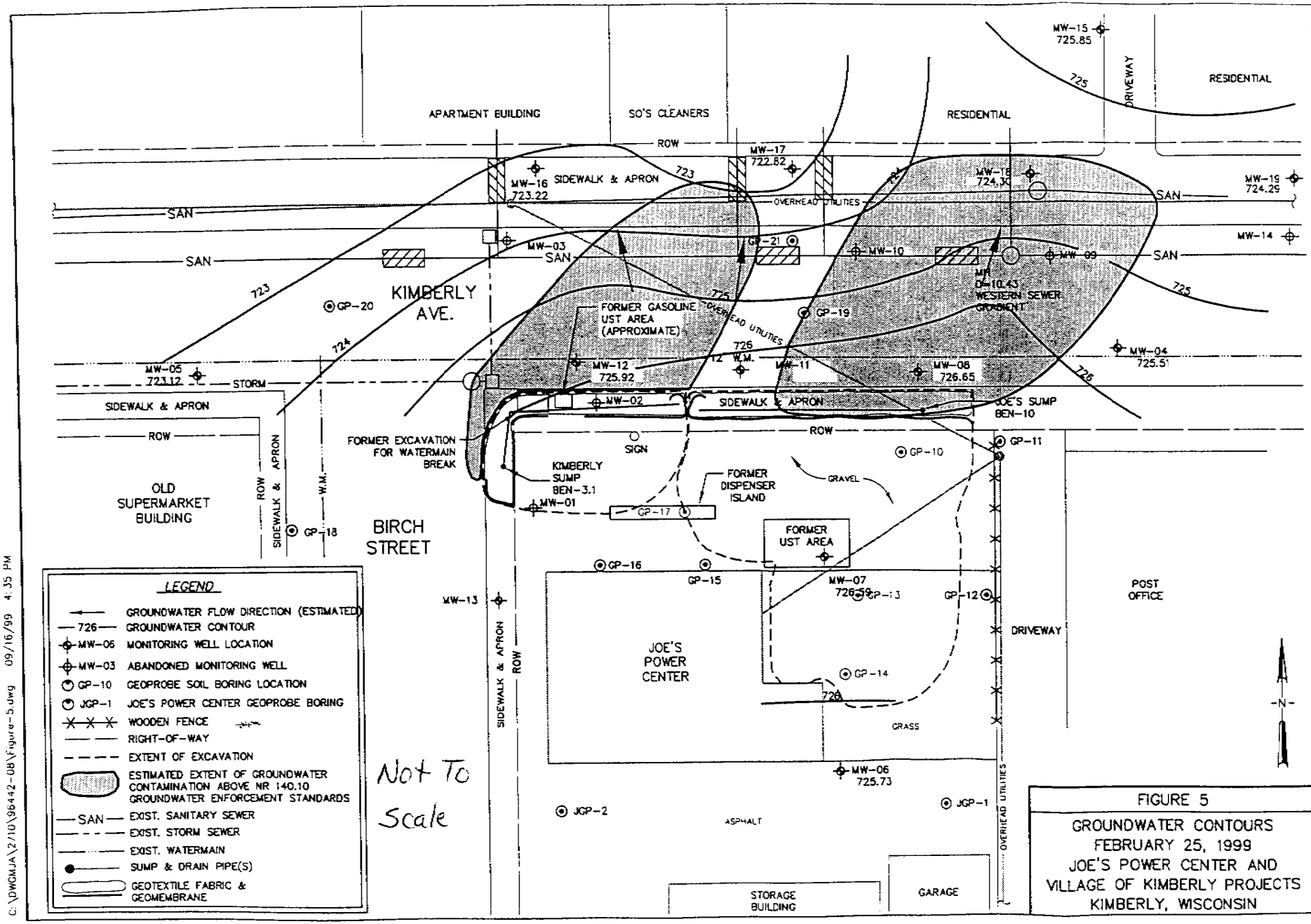

FIGURE 5

GROUNDWATER CONTOURS
FEBRUARY 25, 1999
JOE'S POWER CENTER AND
VILLAGE OF KIMBERLY PROJECTS
KIMBERLY, WISCONSIN

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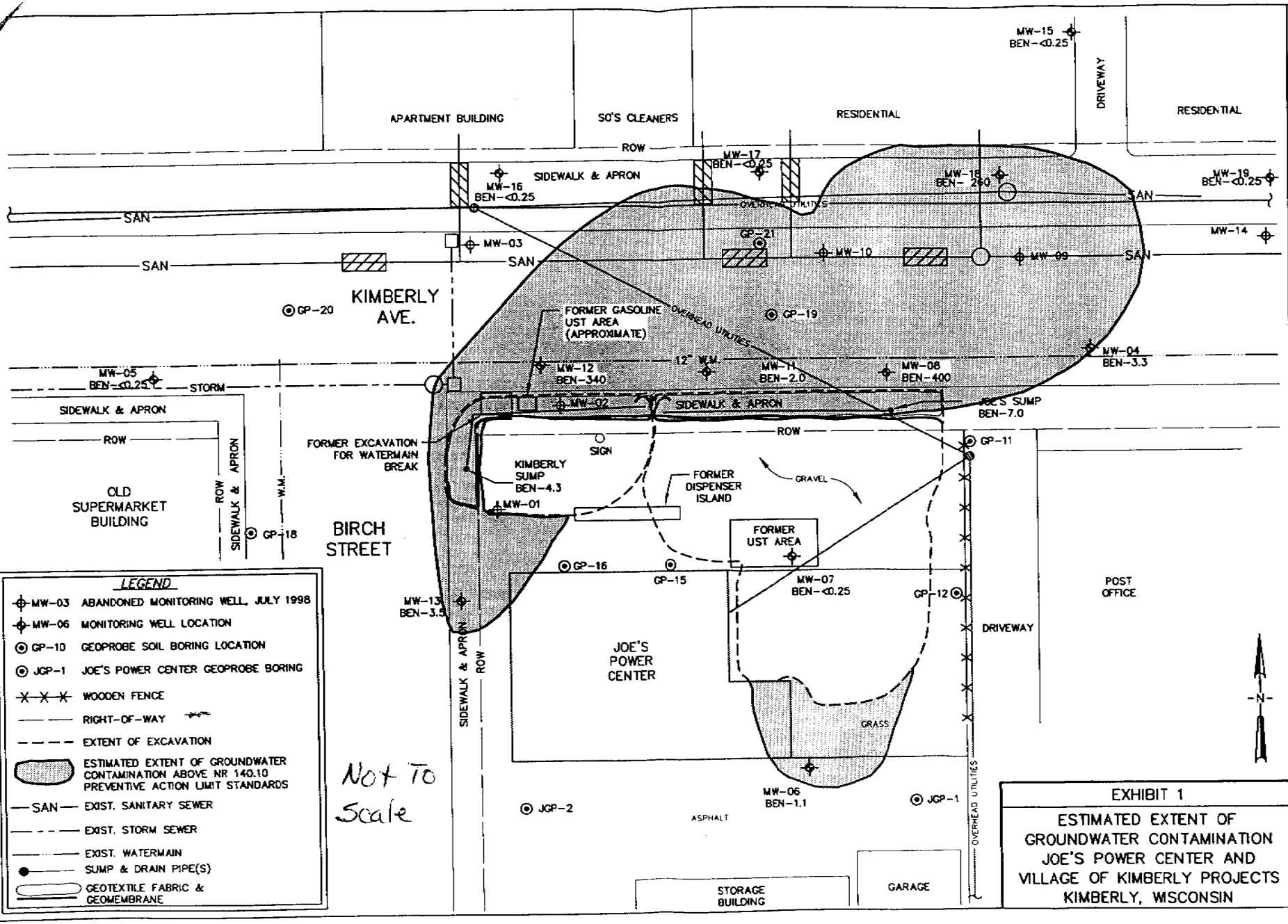

EXHIBIT 1

ESTIMATED EXTENT OF GROUNDWATER CONTAMINATION JOE'S POWER CENTER AND VILLAGE OF KIMBERLY PROJECTS KIMBERLY, WISCONSIN

ALL UTILITY LOCATIONS ARE APPROXIMATE. ACTUAL UTILITY LOCATIONS SHOULD BE FIELD VERIFIED PRIOR TO SUBSURFACE ACTIVITIES.

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SHEET NO.

FILE NO.

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Table #2

GROUNDWATER ANALYTICAL RESULTS
GRO, PVOC, Lead & Detected VOCs with Standards
JOE'S POWER CENTER & VILLAGE OF KIMBERLY PROJECTS
Kimberly, Wisconsin

Sample Name	Sample Date	GRO (ug/l)	Benzene (ug/l)	Ethyl-Benzene (ug/l)	Toluene (ug/l)	Total Xylenes (ug/l)	Methyl-tert butyl-ether (ug/l)	1,2,4-Tri methylbenzene (ug/l)	1,3,5-Tri methylbenzene (ug/l)	Naphth-alene (ug/l)	1,2-Dichloroe-thane (ug/l)	Lead (ug/l)
MW-01	09/30/94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	01/30/95	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
	07/08/96	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	3.0
	05/16/97	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
	Removed	-	-	-	-	-	-	-	-	-	-	-
MW-02	09/30/94	1700	[illegible]	120	28	54	ND	31	18	20	ND	ND
	01/30/95	3300	[illegible]	270	52	150	9.4	76	42	NA	NA	ND
	07/08/96	3700	[illegible]	370	52	160	19	86	3.1	NA	NA	4.0
	05/16/97	3200	210	220	35	94	35	64	5.8	NA	NA	ND
	Removed	-	-	-	-	-	-	-	-	-	-	-
MW-03	09/30/94	ND	4.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	01/30/95	1000	[illegible]	29	2.6	2.3	2.9	4.7	17	NA	NA	ND
	07/08/96	100	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
	05/16/97	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
	07/30/97**	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	1*
	11/13/97**	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
	06/10/98**	<100	2.6	<0.34	1.8	<1.0	<0.31	<0.35	<0.64	NA	NA	<2.0
	07/14/98	Removed	-	-	-	-	-	-	-	-	-	-
MW-04	01/30/95	160	[illegible]	2.9	2.4	3.3	ND	2.4	ND	ND	ND	ND
	07/08/96	160	4.0	ND	3.1	ND	ND	ND	ND	NA	NA	4.0
	05/16/97	ND	0.75	ND	ND	ND	ND	ND	ND	NA	NA	ND
	07/30/97**	250	3.8	ND	4.5	ND	ND	ND	ND	NA	NA	1*
	11/13/97**	280	4.4	ND	7.2	ND	ND	2.1	ND	NA	NA	[illegible]
	06/10/98**	100	2.9	<0.34	2.4	<1.0	<0.31	0.44*	<0.64	NA	NA	<1.0
	10/12/98**	240	6.6	<0.34	5	<1.0	<0.31	0.4*	<0.64	NA	NA	<1.0
	2/25/99**	NA	3.3	<0.32	<0.38	<0.67	<0.21	<0.34	<0.36	NA	NA	NA
MW-05	01/30/95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	07/08/96	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
	05/16/97	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	2*
	07/30/97**	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	6
	11/13/97**	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	5
	06/10/98**	<100	<0.32	<0.34	<0.35	<1.0	<0.31	<0.35	<0.64	NA	NA	<2.0
	10/22/98**	<100	<0.32	<0.34	0.49*	<1.0	<0.31	<0.35	<0.64	NA	NA	<1.0
	2/25/99**	NA	<0.25	<0.32	<0.38	<0.34	<0.36	<0.34	<0.36	NA	NA	NA
Groundwater Quality Enforcement Standard		--	5.0	700	343	620	60	480***	480***	40	5	15
Groundwater Quality Preventative Action Limit		--	0.5	140	68.6	124	12	96***	96***	8	0.5	1.5

EXPLANATION:

GRO = Gasoline Range Organics
PVOC = Petroleum Volatile Organic Compounds
VOC = Volatile Organic Compounds
---- = No Established State Groundwater Standard
* = Analyte detected between Limit of Detection & Limit of Quantification

ND = No Detect
** = Sample Collected Post Soil Remediation
*** = Standard For Combined Trimethylbenzenes (1,2,4 & 1,3,5)
NA = Not analyzed For
ug/l = Milligram / Liter (ppb)
= Exceeds Enforcement Standards (Chapter NR 140.10)
= Exceeds Preventive Action Limit (Chapter NR 140.10)

< = Less Than

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(cont.)

Sample Name	Sample Date	GRO (ug/l)	Benzene (ug/l)	Ethyl-Benzene (ug/l)	Toluene (ug/l)	Total Xylenes (ug/l)	Methyl-tert butyl-ether (ug/l)	1,2,4-Tri methylbenzene (ug/l)	1,3,5-Tri methylbenzene (ug/l)	Naphth-alene (ug/l)	1,2-Dichloroe-thane (ug/l)	Lead (ug/l)
MW-06	11/13/97**	200	0.75	1.1	ND	ND	ND	ND	1.7	ND	ND	2*
	06/10/98**	260	3.2	1.3	0.89*	1.7*	<0.31	1.1*	1.5*	NA	NA	<1.0
	10/12/98**	<100	2	0.38*	<0.35	<1.0	<0.31	<0.35	<0.64	NA	NA	<1.0
	2/25/99**	NA	1.1	0.52*	<0.38	<0.67	<0.21	<0.34	<0.36	NA	NA	NA
MW-07	12/16/97**	ND	0.24*	ND	ND	ND	0.4*	ND	ND	ND	ND	6
	06/10/98**	<100	0.41*	<0.34	<0.35	<1.0	<0.31	<0.35	<0.64	NA	NA	<1.0
	10/12/98**	<100	0.33*	<0.34	0.36*	<1.0	<0.31	<0.35	<0.64	NA	NA	<1.0
	2/25/99**	NA	<0.25	<0.34	<0.38	<0.67	0.42*	<0.34	<0.36	NA	NA	NA
MW-08	12/16/97**	5900	[redacted]	310	29	391	[redacted]	220	94	130	9.7	1*
	06/10/98**	3400	[redacted]	230	15*	230	51	180	86	NA	NA	<1.0
	10/12/98**	2700	[redacted]	220	23*	92*	[redacted]	53	13*	NA	NA	<1.0
	2/25/99**	NA	498	94	12*	93*	72	37	20*	NA	NA	NA
MW-09	12/16/97**	7100	[redacted]	370	78	[redacted]	2.9*	360	95	[redacted]	ND	1*
	6/10/98**	5200	580	80	34	480	7.9*	320	100	NA	NA	<1.0
	07/15/98	Removed	-	-	-	-	-	-	-	-	-	-
MW-10	11/13/97**	190	[redacted]	3.5	ND	0.81	ND	ND	ND	ND	1	6
	6/10/98**	350	68	14	1.9	4.6	<0.31	1.9	2.5	NA	NA	<1.0
	07/15/98	Removed	-	-	-	-	-	-	-	-	-	-
MW-11	11/13/97**	1200	[redacted]	22	ND	2.5	ND	4.7	16	9	4.6	1*
	06/10/98**	<100	<0.32	<0.34	<0.35	<1.0	<0.31	<0.35	<0.64	NA	NA	<2.0
	10/12/98**	740	2.0	2.4	1.3	<1.0	<0.31	0.5*	<0.64	NA	NA	<1.0
MW-12	11/13/97**	7400	[redacted]	330	120	401	ND	[redacted]	[redacted]	220	ND	7
	06/10/98**	4900	[redacted]	240	37	170	<6.2	190	100	NA	NA	<2.0
	10/12/98**	3200	[redacted]	120	38	33	<0.31	15	3.6*	NA	NA	1.1*
	2/25/99**	NA	340	170	19	73	<2.1	100	38	NA	NA	NA
MW-13	11/13/97**	ND	0.32*	ND	ND	1.7	ND	ND	ND	ND	ND	8
	06/10/98**	<100	<0.32	<0.34	<0.35	<1.0	<0.31	<0.35	<0.64	NA	NA	2.8*
	10/12/98**	320	<0.32	<0.34	<0.35	<1.0	<0.31	<0.35	<0.64	NA	NA	<1.0
	2/25/99**	NA	3.5	3.7	<0.38	<0.67	<0.21	<0.34	<0.36	NA	NA	NA
MW-14	02/26/98**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11
	6/10/98**	<100	<0.32	<0.34	<0.35	<1.0	<0.31	<0.35	<0.64	NA	NA	1.9*
	07/15/98	Removed	-	-	-	-	-	-	-	-	-	-
MW-15	02/26/98**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6
	06/10/98**	<100	<0.32	<0.34	<0.35	<1.0	<0.31	<0.35	<0.64	NA	NA	<1.0
	10/12/98**	<100	<0.32	<0.34	<0.35	<1.0	<0.31	<0.35	<0.64	NA	NA	<1.0
	2/25/99**	NA	<0.25	<0.32	<0.38	<0.67	<0.21	<0.34	<0.67	NA	NA	NA
Groundwater Quality Enforcement Standard		--	5.0	700	343	620	60	480***	480***	40	5	15
Groundwater Quality Preventative Action Limit		--	0.5	140	68.6	124	12	96***	96***	8	0.5	1.5

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ND = No Detect
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** = Sample Collected Post Soil Remediation
*** = Standard For Combined Trimethylbenzenes (1,2,4 & 1,3,5)
NA = Not analyzed For
ug/l = Milligram / Liter (ppb)
[redacted] = Exceeds Enforcement Standards (Chapter NR 140 10)
[redacted] = Exceeds Preventive Action Limit (Chapter NR 140 10)
< = Less Than

Table #2
(cont.)

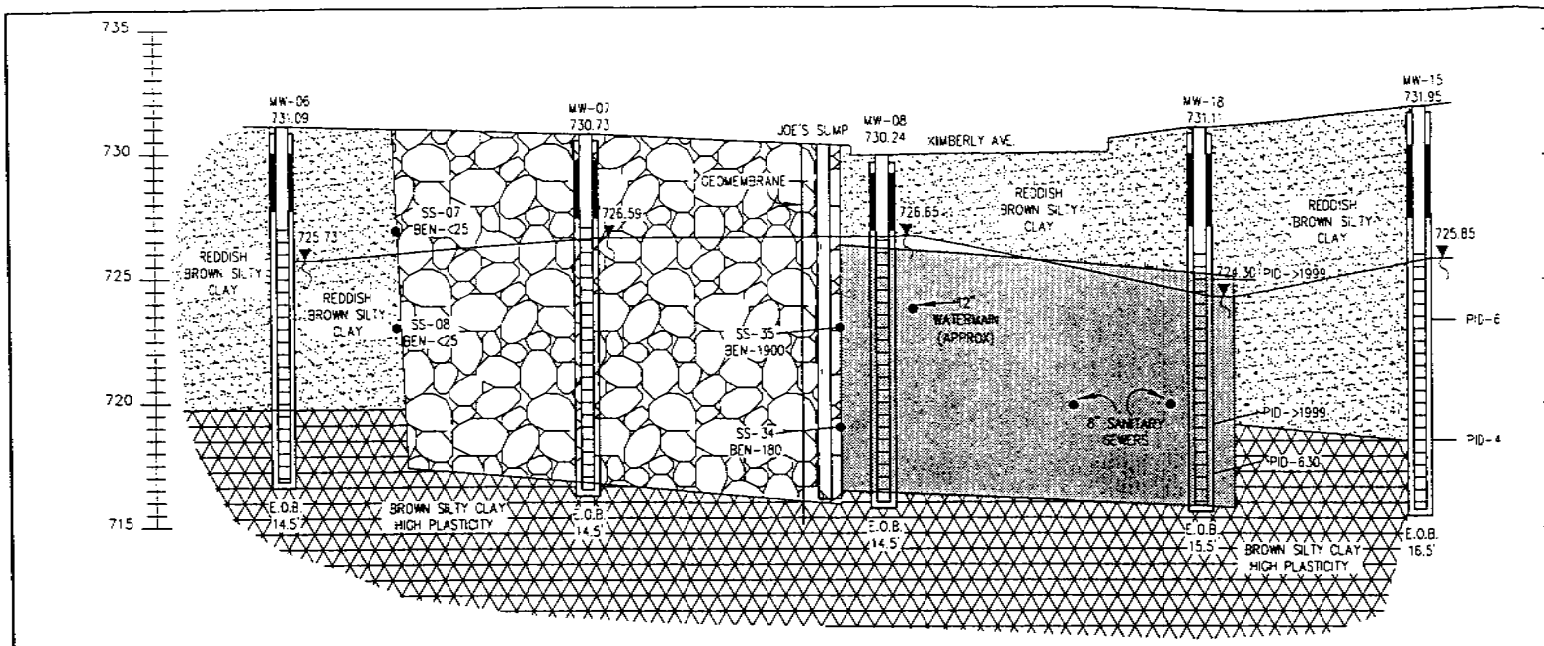
Sample Name	Sample Date	GRO (ug/l)	Benzene (ug/l)	Ethyl-Benzene (ug/l)	Toluene (ug/l)	Total Xylenes (ug/l)	Methyl-tert butyl-ether (ug/l)	1,2,4-Tri methylbenzene (ug/l)	1,3,5-Tri methylbenzene (ug/l)	Naphth-alene (ug/l)	1,2-Dichloroe-thane (ug/l)	Lead (ug/l)
MW-16	10/12/98**	<100	[redacted]	1.1	1.9	4.4	<0.31	0.83*	<0.64	NA	NA	<1.0
	2/25/99**	NA	<0.25	<0.32	<0.38	<0.67	<0.21	<0.34	<0.36	NA	NA	NA
MW-17	10/12/98**	<100	[redacted]	2.4	4.4	12	<0.31	1.7	0.76*	NA	NA	<1.0
	2/25/99**	NA	<0.25	<0.32	<0.38	<0.67	<0.21	<0.34	<0.36	NA	NA	NA
MW-18	10/12/98**	9100	[redacted]	200	280	[redacted]	<3.1	[redacted]	[redacted]	NA	NA	<1.0
	2/25/99**	NA	260	31	6.9*	162	<2.1	100	87	NA	NA	NA
MW-19	10/12/98**	<100	<0.32	<0.34	0.4*	<1.0	<0.31	<0.35	<0.36	NA	NA	1.5*
	2/25/99**	NA	<0.25	<0.32	<0.38	<0.67	<0.21	<0.34	<0.36	NA	NA	NA
Village of Kimberly Sump	07/30/97**	ND	0.99	0.78	ND	2.4	1.4	ND	1.5	NA	NA	10
	08/13/97**	ND	0.62*	ND	ND	ND	2.5	ND	ND	NA	NA	ND
	08/29/97**	ND	0.39	ND	ND	ND	3.1	ND	ND	NA	NA	ND
	11/13/97**	ND	ND	ND	ND	ND	2.8	ND	ND	NA	NA	1*
	06/10/98**	<100	3.1	<0.34	<0.35	<1.0	1.9	<0.35	<0.64	NA	NA	<2.0
	10/12/98**	<100	[redacted]	0.74*	<0.35	<1.0	3	<0.35	<0.64	NA	NA	<1.0
	2/25/99**	NA	4.3	<0.32	<0.38	<0.67	1.7	<0.34	<0.36	NA	NA	NA
Joe's Power Center Sump	07/30/97**	ND	0.62*	ND	ND	ND	0.88	ND	ND	NA	NA	1*
	08/13/97**	ND	0.54*	ND	ND	ND	0.58*	ND	ND	NA	NA	ND
	08/29/97**	ND	0.60*	ND	1.9	ND	0.72	ND	ND	NA	NA	NA
	06/10/98**	<100	[redacted]	<0.34	<0.35	<1.0	1.5	<0.35	<0.64	NA	NA	<1.0
	10/12/98**	<100	1.7	<0.34	<0.35	<1.0	<0.31	<0.35	<0.64	NA	NA	<1.0
	2/25/99**	NA	7	<0.34	<0.38	<0.67	2.6	<0.34	<0.36	NA	NA	NA
Groundwater Quality Enforcement Standard		--	5.0	700	343	620	60	480***	480***	40	5	15
Groundwater Quality Preventative Action Limit		--	0.5	140	68.6	124	12	96***	96***	8	0.5	1.5

EXPLANATION:

GRO = Gasoline Range Organics
ND = No Detect
PVOC = Petroleum Volatile Organic Compounds
VOC = Volatile Organic Compounds
---- = No Established State Groundwater Standard
* = Analyte detected between Limit of Detection & Limit of Quantification
*** = Combined Trimethylbenzene(1,2,4 & 1,3,5) Standard

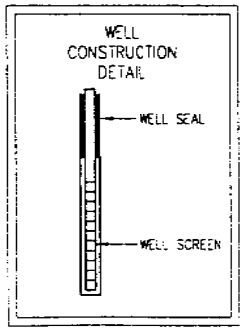
** = Sample Collected Post Soil Remediation
*** = Standard For Combined Trimethylbenzenes (1,2,4 & 1,3,5)
NA = Not analyzed For
ug/l = Milligram / Liter (ppb)
[redacted] = Exceeds Enforcement Standards (Chapter NR 140 10)
[redacted] = Exceeds Preventive Action Limit (Chapter NR 140 10)

< = Less Than



CROSS SECTION 'A' – 'A'

HORIZONTAL SCALE 1"=20'
VERTICAL SCALE 1"=5'



LEGEND

PID – PHOTOIONIZATION DETECTOR READING (CALIBRATED W/ ISOBUTYLENE)

SS-34 – BEN-180 SOIL SAMPLE AND BENZENE CONCENTRATION (ug/kg)

MW-03 MONITORING WELL & GROUNDWATER ELEVATION FEB. 25, 1999

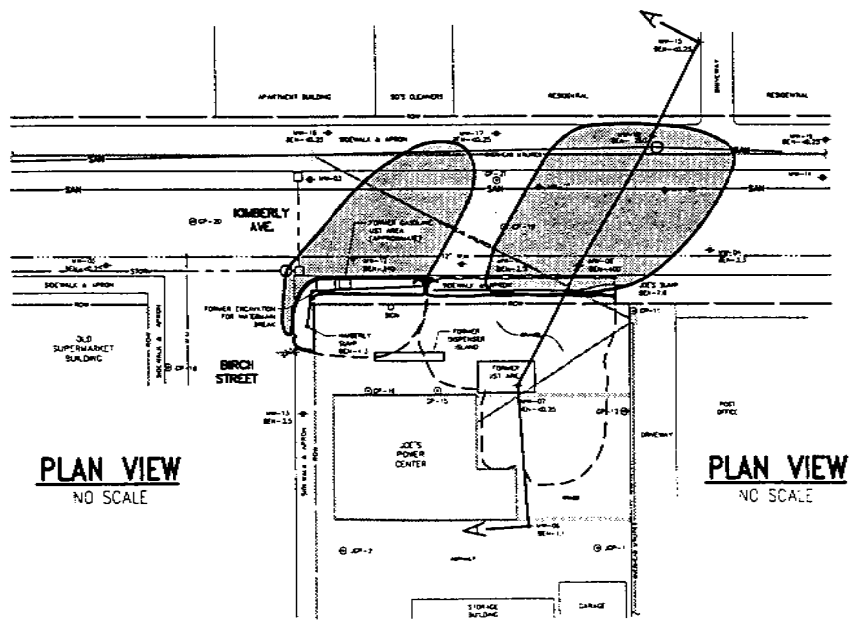
WATERTABLE ELEVATION FEB. 25, 1999

EOB – END OF BORING

RED BROWN SILTY CLAY

BROWN SILTY CLAY, HIGH PLASTICITY

ESTIMATED EXTENT OF GROUNDWATER CONTAMINATION ABOVE THE NR140.10 ENFORCEMENT STANDARDS



PLAN VIEW
NO SCALE

PLAN VIEW
NO SCALE

Not To Scale

FIGURE 3

GEOLOGIC CROSS SECTION
JOE'S POWER CENTER PROJECT
KIMBERLY, WISCONSIN

ALL UTILITY LOCATIONS ARE APPROXIMATE. ACTUAL UTILITY LOCATIONS SHOULD BE FIELD VERIFIED PRIOR TO SUBSURFACE ACTIVITIES.

McMAHON ASSOCIATES, INC.
ENGINEERS ARCHITECTS SCIENTISTS SURVEYORS
1445 McMahon Drive Neenah, WI 54956
Mailing Address: P.O. Box 1025 Neenah, WI 54957-1025
TEL: 920-751-4200 FAX: 920-751-4284

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DESIGNED
DRAWN MJA
CHECKED

SCALE 1" = 20'
DATE SEPT., 1999
PROJECT NO
SHEET NO.
FILE NO

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