GIS REGISTRY INFORMATION

SITE NAME:	Bark River Culvert & Equipment Inc		
BRRTS #:	03-41-000146	**FID #** (if appropriate):	
COMMERCE # (if appropriate):	53225-3082-15		
CLOSURE DATE:	July 22, 2005		
STREET ADDRESS:	11715 W Silver Spring Rd		
CITY:	Milwaukee		

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection):	X =	677926		Y =	295794	
CONTAMINATED MEDIA:	Groundwater		Soil		Both	X
OFF-SOURCE GW CONTAMINATION >ES:		Yes			No	
• **IF YES, STREET ADDRESS:**						
• **GPS COORDINATES** (meters in WTM91 projection):	X =			Y =		
OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL):		Yes		No		
• **IF YES, STREET ADDRESS 1:**						
• **GPS COORDINATES** (meters in WTM91 projection):	X =			Y =		
CONTAMINATION IN RIGHT OF WAY:	Yes	X		No		

DOCUMENTS NEEDED

Closure Letter, and any conditional closure letter issued	X
Copy of most recent deed, including legal description, for all affected properties	X
Certified survey map or relevant portion of the recorded plat map (*if referenced in the legal description*) for all affected properties	
County Parcel ID number, *if used for county*, for all affected properties	X
Location Map which outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy). If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site.	X
Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy) This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ESs and soil contamination exceeding ch. NR 720 generic or SSRCLs.	X
Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)	X
Tables of Latest Soil Analytical Results (no shading or cross-hatching)	X
Isoconcentration map(s), *if required for site investigation (SI)* (8.5x14" if paper copy). The isoconcentration map should have flow direction and extent of groundwater contamination defined. **If not available, include the latest extent of contaminant plume map.**	X
GW: Table of water level elevations, with sampling dates, and free product noted if present	X
GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)	X
SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour	X
Geologic cross-sections, *if required for SI.* (8.5x14' if paper copy)	X
RP certified statement that legal descriptions are complete and accurate.	X
Copies of off-source notification letters (if applicable)	
Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)	X
Copy of (soil or land use) deed restriction (s) or deed notice if any required as a condition of closure	

commerce.wi.gov
Wisconsin
Department of Commerce

ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
101 West Pleasant Street, Suite 100A
Milwaukee, Wisconsin 53212-3963
TDD #: (608) 264-8777
Fax #: (414) 220-5374
Jim Doyle, Governor
Mary P. Burke, Secretary

July 22, 2005

Mr. Fred Lindner, Jr.
Bark River Culvert & Equipment Co.
P.O. Box 10947
Green Bay, WI 54307-0947

RE: **Final Closure**

Commerce # 53225-3082-15 WDNR BRRTS # 03-41-000146
Bark River Culvert & Equipment, Inc., 11715 W. Silver Spring Rd., Milwaukee

Dear Mr. Lindner:

The Wisconsin Department of Commerce (Commerce) has received all items required as conditions for closure of the site referenced above. This case is now listed as "closed" on the Commerce database and will be included on the Wisconsin Department of Natural Resources (WDNR) Geographic Information System (GIS) Registry of Closed Remediation Sites to document residual soil and groundwater contamination that remains above state standards. It is in your best interest to keep all documentation related to the environmental activities that were conducted.

If residual contamination is encountered in the future, it must be managed in accordance with all applicable state and federal regulations. If it is determined that any remaining contamination poses a threat, the case may be reopened and further investigation or remediation may be required.

Thank you for your efforts to bring this case to closure. If you have any questions, please contact me in writing at the letterhead address or by telephone at (414) 220-5402.

Sincerely,

Stephen D. Mueller
Hydrogeologist
Site Review Section

cc: Mr. Stuart Gross, Northern Environmental Technologies, Inc.
Case File

UNOFFICIAL COPY

WARRANTY DEED
State Bar of Wisconsin Form 2 - 2000

DOCUMENT NO.

DOC. # 8699155

REGISTER'S OFFICE | SS
Milwaukee County, WI

RECORDED AT 11:25 AM

12-11-2003

JOHN LA FAVE
REGISTER OF DEEDS

AMOUNT 11.00

REEL 5729 IMAGE 1801

THIS Deed, made between BARK RIVER HOLDINGS, INC., a Michigan corporation, f/k/a Bark River Culvert & Equipment Company, Grantor

and BECKER PROPERTIES, INC., a Wisconsin corporation, Grantee.

Grantor, for a valuable consideration, conveys and warrants to Grantee the following-described real estate in Milwaukee County, State of Wisconsin:

THIS SPACE RESERVED FOR RECORDING DATA

NAME AND RETURN ADDRESS
LADENIG, RECHLICZ & IGGWS
~~Schober & Ulatowski, S.C.~~
~~P.O. Box 1789~~ N88 W15125 MAIN ST
~~Green Bay, WI 54305-1789~~
MEN. FALLS WI 53051

TRANSFER
$ 3,375.00
FEE

182-9997-110-0
(Parcel Identification Number)

This IS NOT homestead property.

Parcel of Real Estate located in the City of Milwaukee, County of Milwaukee, State of Wisconsin, described as follows:

Part of the Northwest ¼ of Section 31, Town 8 North, Range 21 East, commencing 944.8 feet West and 33 feet South of the Northeast corner of said Northwest ¼ Section, thence South 671.84 feet; thence East 250 feet; thence North 22 feet; thence Northeasterly 380.46 feet; thence North 231.41 feet; thence Northeasterly 47.76 feet; thence West 338.44 feet to the point of beginning.

Address: 11715 W. Silver Spring Road

Exceptions to warranties: Municipal and zoning ordinances, any recorded easement(s) for public utilities serving the property, recorded building and use restrictions and covenants and general taxes levied in the year of closing, and sign and sign easement rights retained by Grantor.

Dated this 24th day of NOVEMBER, 2003.

BARK RIVER HOLDINGS, INC.

By: _____ (SEAL)
Fred Lindner, Jr., President

Attest: Barbara A. Burke (SEAL)
Barbara A. Burke, Asst. Secretary

AUTHENTICATION

Signature(s) _____

authenticated this day of _____, 2003

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

THIS INSTRUMENT WAS DRAFTED BY:
Adrian T. Ulatowski
Schober & Ulatowski, S.C.
(Signatures may be authenticated or acknowledged. Both are not necessary.)

ACKNOWLEDGMENT

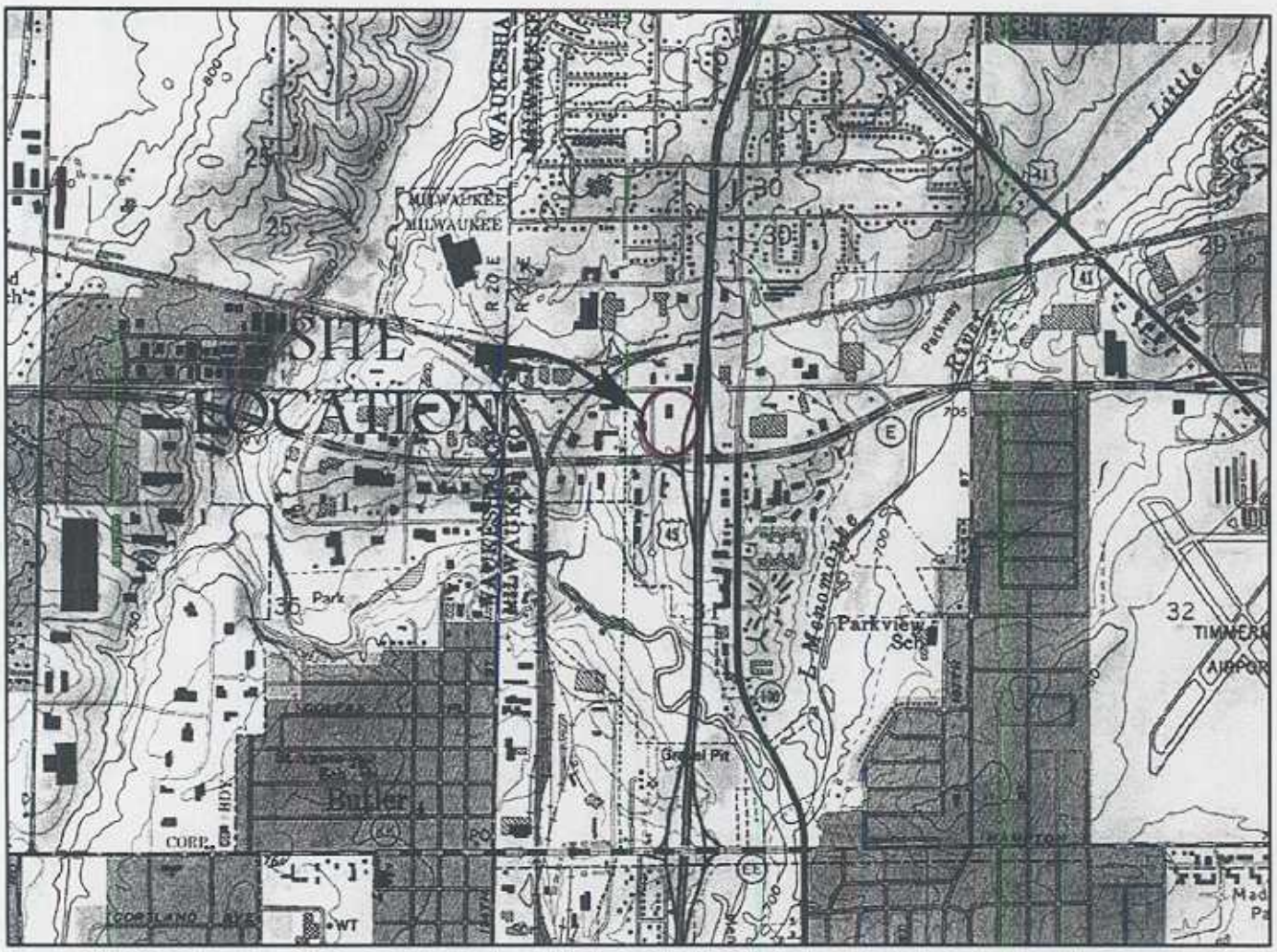
STATE OF WISCONSIN :
: SS:
COUNTY OF BROWN :

Personally came before me this 24th day of NOVEMBER 2003, the above named Fred Lindner, Jr., President and Barbara A. Burke, Secretary of Bark River Holdings, Inc.

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

Adrian T. Ulatowski
Notary Public Brown County, Wis.
My commission is permanent. (If not, state expiration date: _____).

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



SCALE IN FEET

1" = 2000'

0 1000 2000 3000 4000 5000 6000 7000 8000

CONTOUR INTERVAL 10 FEET

NATIONAL GEODETIC VERTICAL DATUM OF 1929

QUADRANGLE LOCATION

BASE MAP SOURCE: USGS 7.5 MINUTE QUADRANGLE, WAWATOSA, WISCONSIN, 1994 (NATIONAL GEOGRAPHIC HOLDINGS, INC.)

Northern Environmental

Hydrologists • Engineers • Surveyors • Scientists

12075 North Corporate Parkway, Suite 210, Mequon, Wisconsin 53092

Phone: 800-776-7140 Fax: 262-241-8222

WISCONSIN ▲ MICHIGAN ▲ ILLINOIS ▲ IOWA

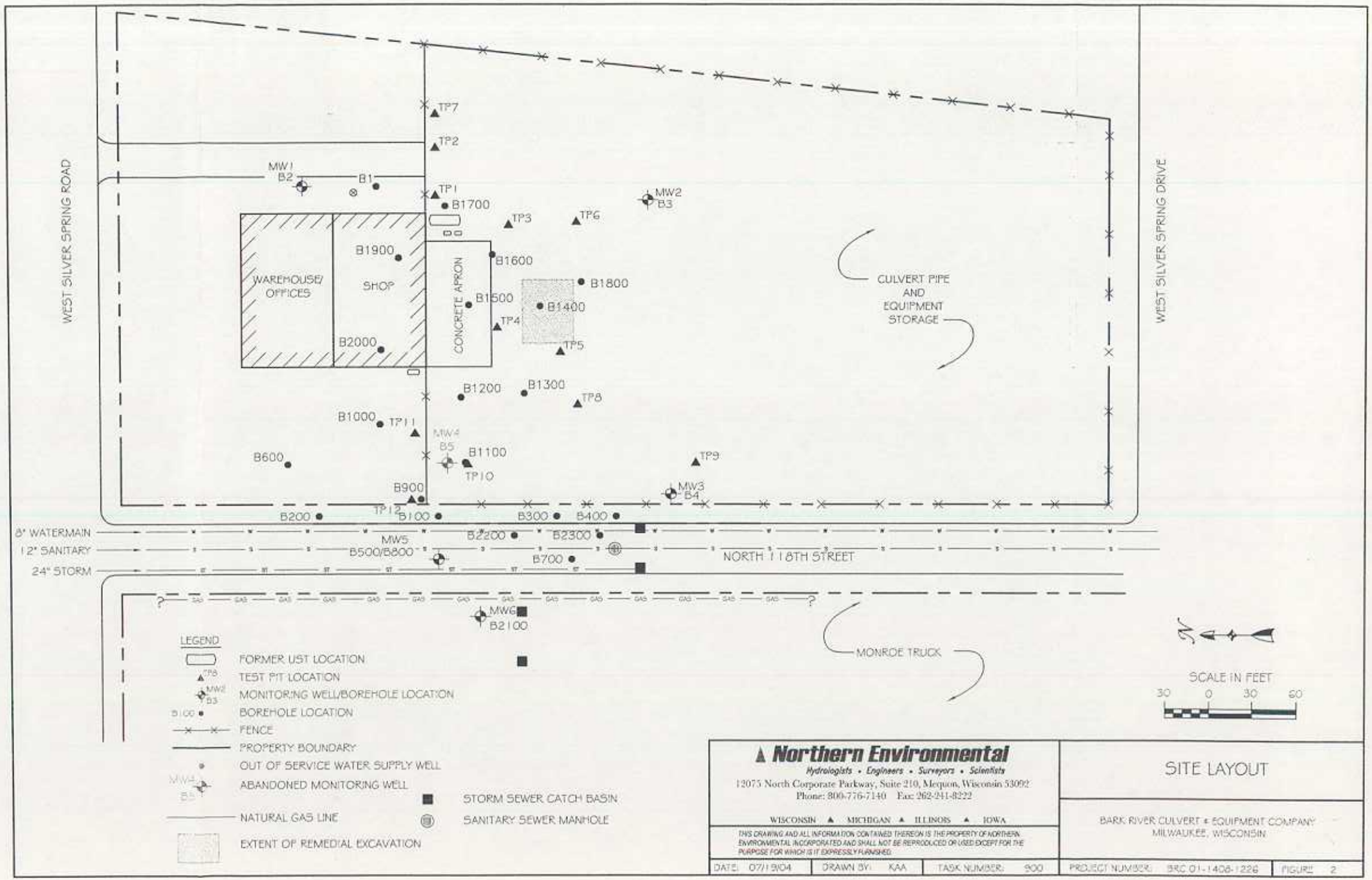
THIS DRAWING AND ALL INFORMATION CONTAINED THEREON IS THE PROPERTY OF NORTHERN ENVIRONMENTAL INCORPORATED AND SHALL NOT BE REPRODUCED OR USED EXCEPT FOR THE PURPOSE FOR WHICH IS IT EXPRESSLY FURNISHED.

SITE LOCATION & LOCAL TOPOGRAPHY

BARK RIVER CULVERT & EQUIPMENT COMPANY
MILWAUKEE, WISCONSIN

DATE: 07/19/04	DRAWN BY: KAA	TASK NUMBER: 900	PROJECT NUMBER: BRC 01-1408-1226	FIGURE 1

S:\CAD\Mequon\Projects\BRC\1226\04_0719_1.dwg, Figure 1, 7/30/2004 8:22:24 AM



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SITE LAYOUT

BARK RIVER CULVERT & EQUIPMENT COMPANY
MILWAUKEE, WISCONSIN

DATE: 07/19/04	DRAWN BY: KAA	TASK NUMBER: 900	PROJECT NUMBER: BRC 01-1408-1226	FIGURE: 2

S:\CAD\Mequon Projects\BRC\1226.04_0719.dwg, Figure 2, 7/30/2004 9:30:54 AM

Table 3 Site Investigation Groundwater Quality Results, Bark River Culvert and Equipment Company, Milwaukee, Wisconsin

Well Number	Date Collected	Diesel Range Organics	Gasoline Range Organics	TPH as Gasoline	Lead	Detected Volatile Organic Compounds (micrograms per liter)										
		(micrograms per liter)				Benzene	n-butyl-benzene	di-isopropyl-ether	Ethyl-benzene	Isopropyl-benzene	Methyl-tertiary-butyl-ether	Naphthalene	n-Propyl-benzene	Toluene	Trimethyl-benzenes	Total Xylenes
MW1	04/05/91	-	-	ND	ND	5.0	-	-	ND	-	-	-	-	ND	-	ND
	10/26/95	<100	<100	-	*2*	<0.26	<0.45	<0.38	<0.32	<0.36	-	<0.41	<0.41	<0.69	<0.57	<33
	02/05/97	<100	<100	-	-	<0.2	<0.38	<0.28	<0.68	<0.38	-	<1	<0.4	<1.5	<1	<0.53
	08/23/01	-	-	-	-	<0.40	-	-	<0.40	-	-	<1.0	-	<0.40	<0.80	<1.10
	06/11/03	-	-	-	-	<0.30	-	-	<0.60	-	<0.58	<0.58	-	<0.58	<1.18	<1.84
	12/19/03	-	-	-	-	<0.30	-	-	<0.60	-	<0.58	<0.58	-	<0.58	<1.18	<1.84
MW2	04/05/91	-	-	ND	ND	2.0	-	-	ND	-	-	-	-	ND	-	ND
	10/26/95	<100	<100	-	*3*	<0.26	<0.45	<0.38	<0.32	<0.36	-	<0.41	<0.41	<0.69	<0.57	<0.33
	02/05/97	<100	<100	-	-	<0.2	<0.38	<0.28	<0.68	<0.38	-	<1	<0.4	<1.5	<1	<0.53
	08/23/01	-	-	-	-	<0.40	-	-	<0.40	-	-	<1.0	-	<0.40	<0.80	<1.10
	06/11/03	-	-	-	-	<0.30	-	-	<0.60	-	<0.58	<0.58	-	<0.58	<1.18	<1.84
	12/19/03	-	-	-	-	<0.30	-	-	<0.60	-	<0.58	<0.58	-	<0.58	<1.18	<1.84
MW3	04/05/91	-	-	ND	*6.1*	1.0	-	-	ND	-	-	-	-	ND	-	-
	10/26/95	<100	<100	-	*5*	<0.26	<0.45	<0.38	<0.32	<0.36	-	<0.41	<0.41	<0.69	<0.57	<0.33
	02/05/97	<100	<100	-	-	<0.2	<0.38	<0.28	<0.68	<0.38	-	<1	<0.4	<1.5	<1	<0.53
	08/23/01	-	-	-	-	<0.40	-	-	<0.40	-	-	<1.0	-	<0.40	<0.80	<1.10
	06/11/03	-	-	-	-	<0.30	-	-	<0.60	-	<0.58	<0.58	-	<0.58	<1.18	<1.84
	12/19/03	-	-	-	-	<0.30	-	-	<0.60	-	<0.58	<0.58	-	<0.58	<1.18	<1.84
MW4	05/01/91	-	-	1500	ND	380	-	-	ND	-	-	-	-	140	-	380
	10/26/95	550	6700	-	*6*	3400	20.7	12.5	*330*	9.5	-	69	22.7	860	285	*1330*
	02/14/97	330	3200	-	-	820	3.3	<0.28	43	2	-	7.8	3.1	79	38	159
MW5	02/15/97	1100	8800	-	-	350	38	39	*490*	19	-	92	60	370	485	1840
*	02/15/97	-	8900	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/23/01	-	-	-	-	89	-	-	*120*	-	-	6.4	-	18	38.6	78
*	08/23/01	-	-	-	-	84	-	-	*110*	-	-	5.2	-	16	34.1	57.8
	06/11/03	-	-	-	-	8.2	-	-	5.4	-	<0.58	<0.58	-	1.1	<1.18	1.8
*	06/11/03	-	-	-	-	55	-	-	45	-	<0.58	1.4	-	6.7	7.73	20
	12/19/03	-	-	-	-	40	-	-	42	-	1.7	2.7	-	20	18.6	70
*	12/19/03	-	-	-	-	39	-	-	41	-	1.6	2.6	-	20	17.5	68
MW6	06/11/03	-	-	-	-	0.37	-	-	<0.60	-	<0.58	<0.58	-	0.67	<1.18	<1.84
	12/19/03	-	-	-	-	<0.30	-	-	<0.60	-	<0.58	<0.58	-	<0.58	<1.18	<1.84
Trip Blank	04/05/91	-	-	ND	-	ND	-	-	ND	-	-	-	-	ND	-	ND
	02/05/97	-	<100	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/23/01	-	-	-	-	<0.40	-	-	<0.40	-	-	<1.0	-	<0.40	<0.80	<1.10
Chapter NR 140, Wisconsin Administrative Code Preventative Action Limit		NR	NR	NR	1.5	0.5	NR	NR	140	NR	12	8	NR	200	96	1000
Chapter NR 140, Wisconsin Administrative Code Enforcement Standard		NR	NR	NR	15	5	NR	NR	700	NR	60	40	NR	1000	480	10000

NOTE:

- \- = not analyzed
- * = duplicate sample
- <x = not detected above method reporting limit of x
- ND = not detected above method reporting limit
- NR = not regulated

XXX = exceeds Chapter NR 140 Wisconsin Administrative Code Preventative Action Limit

XXX = exceeds Chapter NR 140, Wisconsin Administrative Code Enforcement Standard

Table 2 Site Investigation Soil Sample Field Screening and Laboratory Analytical Results, Bark River Culvert and Equipment Company, Milwaukee, Wisconsin

Borehole	Sample Number	Depth (feet below grade)	Date Collected	PID Headspace Analysis			Analytical Results																		Sample Description
							milligrams per kilogram					Detected Volatile Organic Compounds (micrograms per kilogram)													
				Time Collected	Time Analyzed	PID Response (ppm)	Diesel Range Organics	Gasoline Range Organics	TPH as Diesel*	TPH as Gasoline**	Lead	Benzene	n-Butyl-benzene	sec-Butyl-benzene	Ethyl-benzene	Isopropyl-benzene	p-Isopropyl-toluene	Methyl-tertiary-butyl-ether	Naphthalene	n-Propyl-benzene	Toluene	1,2,4-Tri-methylbenzene	1,3,5-Tri-methylbenzene	Xylenes	
B1	S1	1-3	02/11/91	1040	1246	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	S2	3.5-5.5	02/11/91	1045	1204	681	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	S3	6-8	02/11/91	1055	1205	631	-	-	230	290	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	S4	8.5-10.5	02/11/91	1105	1245	132	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	S5	11-13	02/11/91	1110	1246	5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	S6	13.5-15.5	02/11/91	1115	1247	166	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	S7	16-18	02/11/91	1120	1248	8.0	-	-	ND	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
B2	S1	1-3	02/11/91	1250	1545	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	S2	3.5-5.5	02/11/91	1255	1546	3.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	S3	6-8	02/11/91	1258	1547	4.1	-	-	ND	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	S4	8.5-10.5	02/11/91	1300	1548	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	S5	11-13	02/11/91	1305	1549	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	S6	13.5-15.5	02/11/91	1310	1550	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
B3	S1	1-3	02/11/91	1423	1551	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	S2	3.5-5.5	02/11/91	1430	1552	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	S3	6-8	02/11/91	1433	1553	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	S4	8.5-10.5	02/11/91	1437	1554	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	S5	11-13	02/11/91	1443	1555	2.2	-	-	ND	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	S6	13.5-15.5	02/11/91	1450	1556	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till with sand
	S7	16-18	02/11/91	1500	1557	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Clayey silt, sand outwash
	S8	18-20	02/11/91	1505	1558	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
B4	S1	1-3	02/12/91	0825	1252	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	S2	3.5-5.5	02/12/91	0830	1253	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	S3	6-8	02/12/91	0835	1254	2.0	-	-	ND	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	S4	8.5-10.5	02/12/91	0847	1255	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	S5	11-13	02/12/91	0857	1256	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	S6	13.5-15.5	02/12/91	0900	1257	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	S7	16-18	02/12/91	0905	1258	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till with gravel
B5	S1	1-3	02/12/91	1023	1259	91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	S2	3.5-5.5	02/12/91	1030	1300	212	-	-	ND	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	S3	6-8	02/12/91	1033	1301	196	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	S4	8.5-10.5	02/12/91	1040	1302	407	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	S5	11-13	02/12/91	1045	1303	10.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	S6	13.5-15.5	02/12/91	1051	1304	5.0	-	-	ND	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	S7	16-18	02/12/91	1055	1305	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	S8	18-20	02/12/91	1107	1306	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
B100	101	0-2	12/05/96	855	922	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	102	2-4	12/05/96	900	922	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	103	4-6	12/05/96	904	924	301	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	104	6-8	12/05/96	908	931	493	120	1300	-	-	18	2440	26,200	2740	18,400	2670	1090	-	5400	13,700	1410	47,000	15,500	66,890	Silty clay till
	105	8-10	12/05/96	910	932	294	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	106	10-12	12/05/96	916	936	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	107	12-14	12/05/96	921	941	4	< 10	< 10	-	-	14	820	< 25	< 25	99	< 25	< 25	-	50	< 25	< 25	36	< 25	< 75	Silty clay till
B200	201	0-2	12/05/96	938	1009	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	202	2-4	12/05/96	945	1009	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	203	4-6	12/05/96	946	1010	1	< 10	< 10	-	-	18	< 25	< 25	< 25	< 25	< 25	< 25	-	< 25	< 25	< 25	< 25	< 25	< 75	Silty clay till
	204	6-8	12/05/96	951	1010	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	205	8-10	12/05/96	955	1015	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	206	10-12	12/05/96	1010	1017	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
B300	301	0-2	12/05/96	1026	1051	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	302	2-4	12/05/96	1028	1051	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	303	4-6	12/05/96	1030	1052	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	304	6-8	12/05/96	1033	1055	140	32	320	-	-	17	< 25	7500	940	2810	560	< 25	-	550	3600	370	1080	1290	470	Silty clay till
	305	8-10	12/05/96	1039	1059	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	306	10-12	12/05/96	1047	1107	1	< 10	< 10	-	-	23	< 25	26	< 25	< 25	< 25	< 25	-	64	< 25	< 25	< 25	< 25	< 75	Silty clay till

Table 2 Site Investigation Soil Sample Field Screening and Laboratory Analytical Results, Bark River Culvert and Equipment Company, Milwaukee, Wisconsin

Borehole	Sample Number	Depth (feet below grade)	Date Collected	PID Headspace Analysis			Analytical Results																	Sample Description
							milligrams per kilogram					Detected Volatile Organic Compounds (micrograms per kilogram)												
				Time Collected	Time Analyzed	PID Response (ppm)	Diesel Range Organics	Gasoline Range Organics	TPH as Diesel*	TPH as Gasoline**	Lead	Benzene	n-Butyl-benzene	sec-Butyl-benzene	Ethyl-benzene	Isopropyl-benzene	p-Isopropyl-toluene	Methyl-tertiary-butyl-ether	Naphthalene	n-Propyl-benzene	Toluene	1,2,4-Tri-methylbenzene	1,3,5-Tri-methylbenzene	Xylenes	
B400	401	0-2	12/05/96	1127	1148	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	402	2-4	12/05/96	1132	1152	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	403	4-6	12/05/96	1134	1200	0	< 10	< 10	-	-	18	< 25	< 25	< 25	< 25	< 25	< 25	-	< 25	< 25	< 25	< 25	< 25	< 75	Silty clay till
	404	6-8	12/05/96	1138	1200	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	405	8-10	12/05/96	1141	1201	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	406	10-12	12/05/96	1144	1204	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
B500	501	1-3	12/05/96	1224	1248	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	502	3-5	12/05/96	1226	1248	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	503	5-7	12/05/96	1229	1249	0	< 10	< 10	-	-	20	< 25	< 25	< 25	< 25	< 25	< 25	-	< 25	< 25	< 25	< 25	< 25	< 75	Silty clay till
	504	7-9	12/05/96	1232	1252	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	505	9-11	12/05/96	1237	1257	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
B600	601	1-3	12/05/96	1337	1404	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	602	3-5	12/05/96	1339	1405	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	603	5-7	12/05/96	1341	1405	0	< 10	< 10	-	-	20	< 25	< 25	< 25	< 25	< 25	< 25	-	< 25	< 25	< 25	< 25	< 25	< 75	Silty clay till
	604	7-9	12/05/96	1344	1406	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	605	9-11	12/05/96	1349	1409	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	606	11-13	12/05/96	1352	1416	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
B700	701	1-3	12/05/96	1512	1533	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	702	3-5	12/05/96	1515	1535	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	703	5-7	12/05/96	1517	1540	0	< 10	< 10	-	-	18	< 25	< 25	< 25	< 25	< 25	< 25	-	< 25	< 25	< 25	< 25	< 25	< 75	Silty clay till
	704	7-9	12/05/96	1520	1541	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	705	9-11	12/05/96	1523	1544	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	706	11-13	12/05/96	1525	1545	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
B900	S901	2-4	11/25/97	837	909	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty Clay, Moist
	S902	4-6	11/25/97	847	910	71.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty Clay, Moist
	S903	6-8	11/25/97	847	910	176	< 10	57	-	-	7	690	-	-	2300	-	-	<25	-	-	290	5800	1600	5200	Silty Clay, Moist
	S904	8-10	11/25/97	855	910	456	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty Clay, Wet
B1000	S1001	2-4	11/25/97	922	934	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty Clay, Moist
	S1002	4-6	11/25/97	928	935	46	< 10	29	-	-	10	<25	-	-	<25	-	-	<25	-	-	<25	130	<25	<25	Silty Clay, Moist
	S1003	6-8	11/25/97	928	936	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty Clay, Wet
B1100	S1101	2-4	11/25/97	950	1127	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty Clay, Moist
	S1102	4-6	11/25/97	955	1128	477	45	290	-	-	15	1800	-	-	6300	-	-	<25	-	-	1600	20000	5500	28,000	Silty Clay, Moist
	S1103	6-8	11/25/97	1000	1129	400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty Clay, Moist
B1200	S1201	2-4	11/25/97	1015	1129	26.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty Clay, Moist
	S1202	4-6	11/25/97	1017	1130	45	< 10	< 10	-	-	16	27	-	-	51	-	-	<25	-	-	34	42	30	<50	Silty Clay, Moist
	S1203	6-8	11/25/97	1020	1131	23.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty Clay, Wet
B1300	S1301	2-4	11/25/97	1046	1133	331	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Clayey Silt, Moist
	S1302	4-6	11/25/97	1052	1134	630	32	130	-	-	20	1100	-	-	2900	-	-	270	-	-	750	9700	2800	6300	Silty Sand, Moist
	S1303	6-8	11/25/97	1052	1135	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty Sand, Wet
B1400	S1401	2-4	11/25/97	1109	1226	140	< 10	15	-	-	13	2200	-	-	610	-	-	<25	-	-	460	100	65	2500	Silty Clay, Moist
	S1402	4-6	11/25/97	1115	1227	715	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Sandy Silt, Wet
	S1403	6-8	11/25/97	1115	1227	343	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Sandy Silt, Wet
B1500	S1501	2-4	11/25/97	1236	1406	74.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty Clay, Moist
	S1502	4-6	11/25/97	1240	1406	495	120	1100	-	-	10	6900	-	-	30,000	-	-	<250	-	-	18,000	91,000	28,000	160,000	Silty Clay, Moist
	S1503	6-8	11/25/97	1240	1407	587	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty Clay, Wet
B1600	S1601	2-4	11/25/97	1255	1408	194	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty Clay, Moist
	S1602	4-6	11/25/97	1257	1409	534	150	530	-	-	16	1500	-	-	11,000	-	-	<25	-	-	3600	31,000	8900	50,000	Silty Clay, Moist
	S1603	6-8	11/25/97	1257	1410	550	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Sandy Silt, Wet

Table 2 Site Investigation Soil Sample Field Screening and Laboratory Analytical Results, Bark River Culvert and Equipment Company, Milwaukee, Wisconsin

Borehole	Sample Number	Depth (feet below grade)	Date Collected	PID Headspace Analysis			Analytical Results																	Sample Description
							milligrams per kilogram					Detected Volatile Organic Compounds (microgram per kilogram)												
				Time Collected	Time Analyzed	PID Response (ppi)	Diesel Range Organics	Gasoline Range Organics	TPH as Diesel*	TPH as Gasoline**	Lead	Benzene	n-Butylbenzene	sec-Butylbenzene	Ethylbenzene	Isopropylbenzene	p-Isopropyltoluene	Methyl-tertiary-butyl-ether	Naphthalene	n-Propylbenzene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes	
B1700	S1701	2-4	11/25/97	1300	1411	12	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	Sand Fill, Moist
	S1702	4-6	11/25/97	1305	1412	19	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	Sand Fill, Moist
	S1703	6-8	11/25/97	1305	1413	138	< 10	< 10	-	-	< 4	<25	-	-	26	-	-	65	-	-	26	<25	<25	73	Silty Clay, Wet
B1800	S1801	2-4	01/05/98	1055	1120	15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty Clay, Moist
	S1802	4-6	01/05/98	1057	1121	27.9	< 10	< 10	-	-	18	320	-	-	130	-	-	<25	-	-	33	85	<25	79	Silty Clay, Moist
	S1803	6-8	01/05/98	1057	1129	6.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty Clay, Moist
B1900	S1901	2-4	01/05/98	1213	1308	3.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Sand Fill, Dry
	S1902	4-6	01/05/98	1213	1308	4.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Sand Fill, Dry
	S1903	6-8	01/05/98	1216	1309	3.4	< 10	< 10	-	-	20	<25	-	-	<25	-	-	<25	-	-	<25	<25	<25	<25	Sand Fill, Dry
	S1904	8-10	01/05/98	1221	1310	3.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Clayey Silt, Wet
	S1905	10-12	01/05/98	1221	1310	4.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty Clay, Wet
B2000	S2001	2-4	01/05/98	1250	1312	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Sand Fill, Dry
	S2002	4-6	01/05/98	1255	1313	3.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Sand Fill, Dry
	S2003	6-8	01/05/98	1255	1314	2.8	< 10	< 10	-	-	17	<25	-	-	<25	-	-	<25	-	-	<25	<25	<25	<25	Sand Fill, Dry
	S2004	8-10	01/05/98	1300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty Clay, Wet
	S2005	10-12	01/05/98	1300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty Clay, Wet
B2100	S101	1-3	05/30/03	1421	1505	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Ground fill and peat
	S102	3.5-5.5	05/30/03	1425	1506	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Peat
	S103	6-8	05/30/03	1432	1507	15	-	-	-	-	-	<25	-	-	<25	-	-	<25	<25	-	<25	<25	<25	<75	Silty clay
	S104	8.5-10.5	05/30/03	1442	1508	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay
	S105	11-13	05/30/03	1454	1513	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay
	S106	13.5-15.5	05/30/03	1501	1525	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay
B2200	S2201	0-4	02/13/04	1050	1240	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Fill and silty clay till
	S2202	4-8	02/13/04	1058	1241	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	S2203	8-12	02/13/04	1105	1241	0	-	-	-	-	-	<25	-	-	<25	-	-	<25	-	-	<25	<25	<25	<75	Silty clay till
	S2204	12-15	02/13/04	1115	1242	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
B2300	S2301	0-4	02/13/04	1152	1242	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Fill and silty clay till
	S2302	4-8	02/13/04	1137	1243	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
	S2303	8-12	02/13/04	1145	1243	0	-	-	-	-	-	<25	-	-	<25	-	-	<25	-	-	<25	<25	<25	<75	Silty clay till
	S2304	12-15	02/13/04	1155	1244	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Silty clay till
Chapter NR 720, Wisconsin Administrative Code Site-Specific Residual Contaminant Levels							250	250	250	250	50	325	NR	NR	31,708	NR	NR	NR	NR	NR	70,089	NR	NR	23,983	
Chapter NR 746, Wisconsin Administrative Code Table 2 Values							-	-	-	-	-	1100	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
Chapter NR 746, Wisconsin Administrative Code Table 1 Values							-	-	-	-	-	8500	NR	NR	4,600	NR	NR	NR	2700	NR	38,000	85,000	11,000	42,000	

Note:
TPH = total petroleum hydrocarbons
PID = photoionization detector
ppi = instrument units as isobutylene
- = not analyzed
<x = value less than reporting limit of x
ND = not detected
NR = not regulated

* = DRO RCLs were applied to TPH as diesel concentrations
** = GRO RCLs were applied to TPH as gasoline concentrations

XXX = exceeds Chapter NR 720, Wisconsin Administrative Code Site-Specific Residual Contaminant Levels
XXX = exceeds Chapter NR 746, Wisconsin Administrative Code Table 2 Values
XXX = exceeds Chapter NR 746, Wisconsin Administrative Code Table 1 Values

Table 4 Soil Sample Field Screening and Laboratory Results, Bark River Culvert and Equipment Company, Milwaukee, Wisconsin

Sample I.D.	Date	Depth (feet below grade)	PID Response			Laboratory Analysis								Sample Odor	Sample Description	Disposition
						Petroleum Volatile Organic Compounds (micrograms per kilogram)										
			Time Collected	Time Analyzed	Reading (iui)	Benzene	Ethyl-benzene	Methyl-tertiary-butyl-ether	Naphthalene	Toluene	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Total Xylenes			
S1	03/09/04	2	715	745	216	-	-	-	-	-	-	-	-	Medium	Gravel Fill	Landfill
S2	03/09/04	2	730	820	77	-	-	-	-	-	-	-	-	Medium	Gravel fill	Landfill
S3	03/09/04	1	738	820	65	-	-	-	-	-	-	-	-	Slight	Gravel Fill	Landfill
S4	03/09/04	3	747	821	6	-	-	-	-	-	-	-	-	Medium	Gravel Fill	Landfill
S5	03/09/04	3	753	821	31	-	-	-	-	-	-	-	-	Slight	Gravel Fill	Landfill
S6	03/09/04	2	759	825	85	310	290	33	<25	38	31	<25	130	Slight	Gravel Fill	Wall
S7	03/09/04	2	800	826	335	940	1200	290	180	180	1600	950	2300	Slight	Gravel Fill	Wall
S8	03/09/04	4	800	827	6	130	540	120	360	51	780	880	330	Slight	Silty Clay	Floor
S9	03/09/04	2	805	830	5	<25	<25	<25	<25	<25	<25	<25	<75	None	Gravel Fill	Wall
S10	03/09/04	2	805	831	3	<25	<25	<25	<25	<25	<25	<25	<75	None	Gravel Fill	Wall
S11	03/09/04	4	818	850	6	-	-	-	-	-	-	-	-	None	Silty Clay	Landfill
S12	03/09/04	4	823	850	22	-	-	-	-	-	-	-	-	Slight	Silty Clay	Landfill
S13	03/09/04	2	829	851	44	-	-	-	-	-	-	-	-	Strong	Gravel Fill	Landfill
S14	03/09/04	4	834	912	36	<25	44	<25	<25	<25	<25	<25	<75	None	Silty Clay	Floor
S15	03/09/04	3	839	912	66	-	-	-	-	-	-	-	-	Slight	Gravel Fill	Landfill
S16	03/09/04	2	845	913	57	-	-	-	-	-	-	-	-	Slight	Gravel Fill	Landfill
S17	03/09/04	1	900	925	27	-	-	-	-	-	-	-	-	Medium	Gravel Fill	Landfill
S18	03/09/04	2	904	926	93	-	-	-	-	-	-	-	-	Medium	Gravel Fill	Landfill
S19	03/09/04	4	910	946	133	130	330	<25	73	<25	<25	200	<75	None	Top Soil	Floor
S20	03/09/04	2	911	946	12	-	-	-	-	-	-	-	-	Slight	Gravel Fill	Landfill
S21	03/09/04	2	916	947	190	-	-	-	-	-	-	-	-	Strong	Gravel Fill	Landfill
S22	03/09/04	2	919	947	21	160	30	<25	<25	<25	<25	<25	<75	None	Gravel Fill	Wall
S23	03/09/04	4	935	1012	166	810	1100	140	<25	240	120	280	330	None	Silty Clay	Floor
S24	03/09/04	2	944	1014	73	-	-	-	-	-	-	-	-	Slight	Gravel Fill	Landfill
S25	03/09/04	2	955	1015	78	-	-	-	-	-	-	-	-	Slight	Gravel Fill	Landfill
S26	03/09/04	2	958	1033	64	810	1100	140	<25	240	120	280	330	None	Gravel Fill	Wall
S27	03/09/04	3	1000	1033	80	-	-	-	-	-	-	-	-	Slight	Gravel Fill	Landfill
S28	03/09/04	2	1038	1113	122	-	-	-	-	-	-	-	-	Slight	Gravel Fill	Landfill
S29	03/09/04	2	1043	1114	42	260	720	78	<25	81	260	96	220	None	Gravel Fill	Wall
S30	03/09/04	2	1047	1114	23	-	-	-	-	-	-	-	-	Slight	Gravel Fill	Landfill
S31	03/09/04	4	1105	1132	251	-	-	-	-	-	-	-	-	None	Silty Clay	Floor
S32	03/09/04	2	1108	1132	3	340	620	60	120	96	780	240	2050	None	Gravel Fill	Wall
S33	03/09/04	4	1109	1133	335	68	530	98	870	51	2300	850	2340	Strong	Silty Clay	Landfill
S34	03/09/04	4	1110	1135	556	280	2800	450	2200	280	8200	3000	12,500	Strong	Silty Clay	Landfill
Chapter NR 720, Wisconsin Administrative Code Site-Specific Residual Contamination Levels						325	31,708	NE	NE	70,089	NE	NE	23,983			
Chapter NR 740, Wisconsin Administrative Code Table 2 Values						1100	NE	NE	NE	NE	NE	NE	NE			
Chapter NR 746, Wisconsin Administrative Code Table 1 Values						8500	4600	NE	2700	38,000	83,000	11,000	42,000			

Note:

PID = photoionization

iui = instrument units as isobutylene

mg/kg = milligrams per kilogram

\- = not analyzed

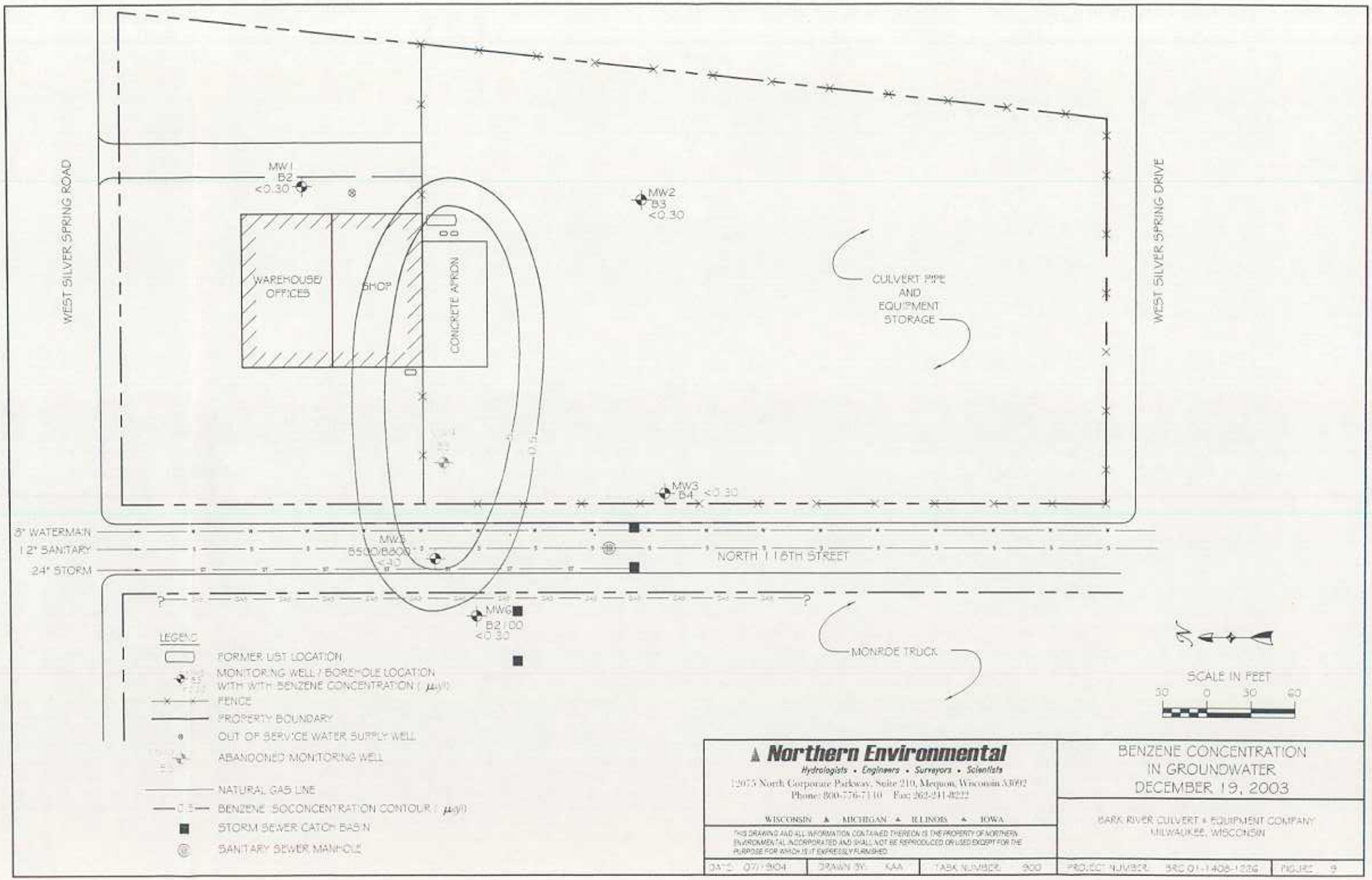
<x = not detected above reporting limit of x

NE = standard not established

XXX = exceeds Chapter NR 720, Wisconsin Administrative Code Site-Specific Residual Contamination Levels

XXX = exceeds Chapter NR 740, Wisconsin Administrative Code Table 2 Values

XXX = exceeds Chapter NR 746, Wisconsin Administrative Code Table 1 Values


WEST SILVER SPRING ROAD
WEST SILVER SPRING DRIVE
MW1
B2
<0.30
MW2
B3
<0.30
MW3
B4
<0.30
MW5
B500/B800
<40
MW6
B2100
<0.30
WAREHOUSE/
OFFICES
SHOP
CONCRETE APRON
CULVERT PIPE
AND
EQUIPMENT
STORAGE
MONROE TRUCK
8" WATERMAIN
12" SANITARY
24" STORM
NORTH 118TH STREET
0.5
LEGEND
FORMER UST LOCATION
MONITORING WELL / BOREHOLE LOCATION
WITH WITH BENZENE CONCENTRATION (µg/l)
FENCE
PROPERTY BOUNDARY
OUT OF SERVICE WATER SUPPLY WELL
ABANDONED MONITORING WELL
NATURAL GAS LINE
BENZENE ISOCONCENTRATION CONTOUR (µg/l)
STORM SEWER CATCH BASIN
SANITARY SEWER MANHOLE
SCALE IN FEET
30 0 30 60
Northern Environmental
Hydrologists • Engineers • Surveyors • Scientists
12075 North Corporate Parkway, Suite 210, Mequon, Wisconsin 53092
Phone: 800-776-7110 Fax: 262-241-8222
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BENZENE CONCENTRATION
IN GROUNDWATER
DECEMBER 19, 2003
BARK RIVER CULVERT & EQUIPMENT COMPANY
MILWAUKEE, WISCONSIN
DATE: 07/19/04
DRAWN BY: KAA
TASK NUMBER: 900
PROJECT NUMBER: BRC 01-1408-1226
FIGURE: 9

Table 1 Groundwater Elevation Data, Bark River Culvert and Equipment Company, Milwaukee, Wisconsin

Monitoring Well	Reference Point Elevation (feet)*	Date	Depth to Water (feet below Reference Point)	Water Table Elevation (feet)
MW1	750.02	02/22/91	8.10	741.92
		02/27/91	8.12	741.90
		03/08/91	7.70	742.32
		03/31/91	7.75	742.27
		03/18/91	7.32	742.70
		03/29/91	6.48	743.54
		04/05/91	6.84	743.18
		04/10/91	6.48	743.54
		04/18/91	6.63	743.39
		05/01/91	7.32	742.70
	108.94	10/27/95	7.95	100.99
		02/05/97	7.62	101.32
		08/23/01	8.01	100.93
		06/11/03	6.75	102.19
		12/19/03	7.29	101.65
MW2	747.52	02/22/91	8.02	739.50
		02/27/91	7.82	739.70
		03/08/91	7.64	739.88
		03/13/91	7.42	740.10
		03/18/91	7.34	740.18
		03/29/91	5.98	741.54
		04/05/91	5.58	741.94
		04/10/91	5.97	741.55
		04/18/91	5.56	741.96
		05/01/91	5.32	742.20
	106.44	10/27/95	6.27	100.17
		02/05/97	7.37	99.07
		08/23/01	6.65	99.79
		06/11/03	5.82	100.62
		12/19/03	7.13	99.31
MW3	744.34	02/22/91	9.24	735.10
		02/27/91	9.28	735.06
		03/08/91	8.98	735.36
		03/13/91	8.98	735.36
		03/18/91	8.64	735.70
		03/29/91	5.06	739.28
		04/05/91	6.39	737.95
		04/10/91	4.45	739.89
		04/18/91	5.31	739.03
		05/01/91	6.11	738.23
	103.29	10/27/95	4.93	98.36
		02/05/97	9.46	93.83
		08/23/01	5.67	97.62
		06/11/03	5.67	97.62
		12/19/03	6.75	96.54

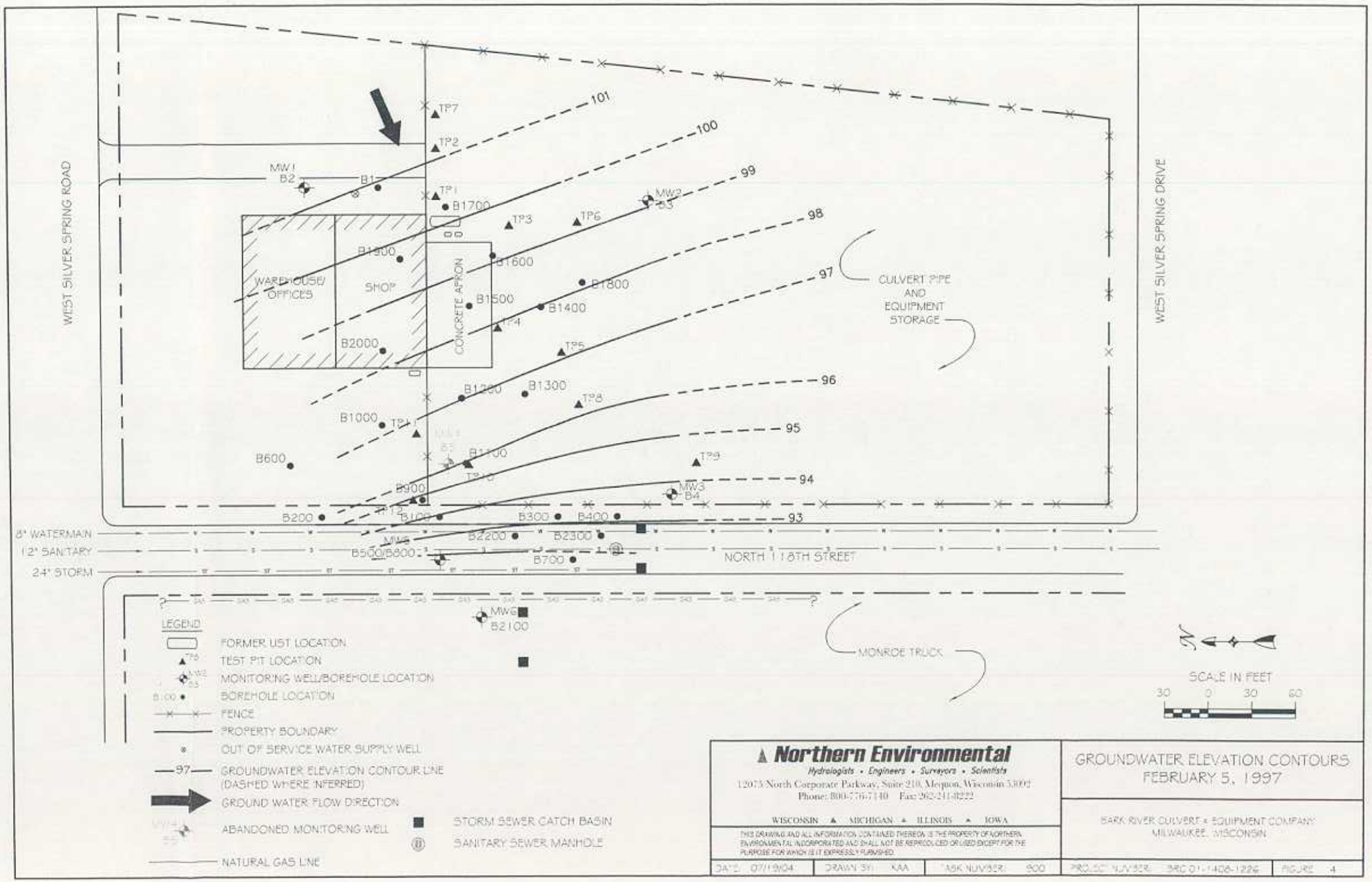
Table 1 Groundwater Elevation Data, Bark River Culvert and Equipment Company, Milwaukee, Wisconsin

Monitoring Well	Reference Point Elevation (feet)*	Date	Depth to Water (feet below Reference Point)	Water Table Elevation (feet)
MW4	746.49	02/22/91	Dry	-
		02/27/91	Dry	-
		03/08/91	16.50	729.99
		03/13/91	15.50	730.99
		03/18/91	14.45	732.04
		03/29/91	12.12	734.37
		04/05/91	10.73	735.76
		04/10/91	13.20	733.29
		04/18/91	12.37	734.12
		05/01/91	9.28	737.21
	105.41	10/27/95	7.94	97.47
		02/05/97	**	**
	102.32	02/14/97	6.22	96.10
MW5	98.59	02/05/97	6.76	91.83
		08/23/01	6.92	91.67
		06/11/03	6.23	92.36
		12/19/03	6.64	91.95
MW 6	98.38	06/11/03	4.58	93.80
		12/19/03	4.99	93.39

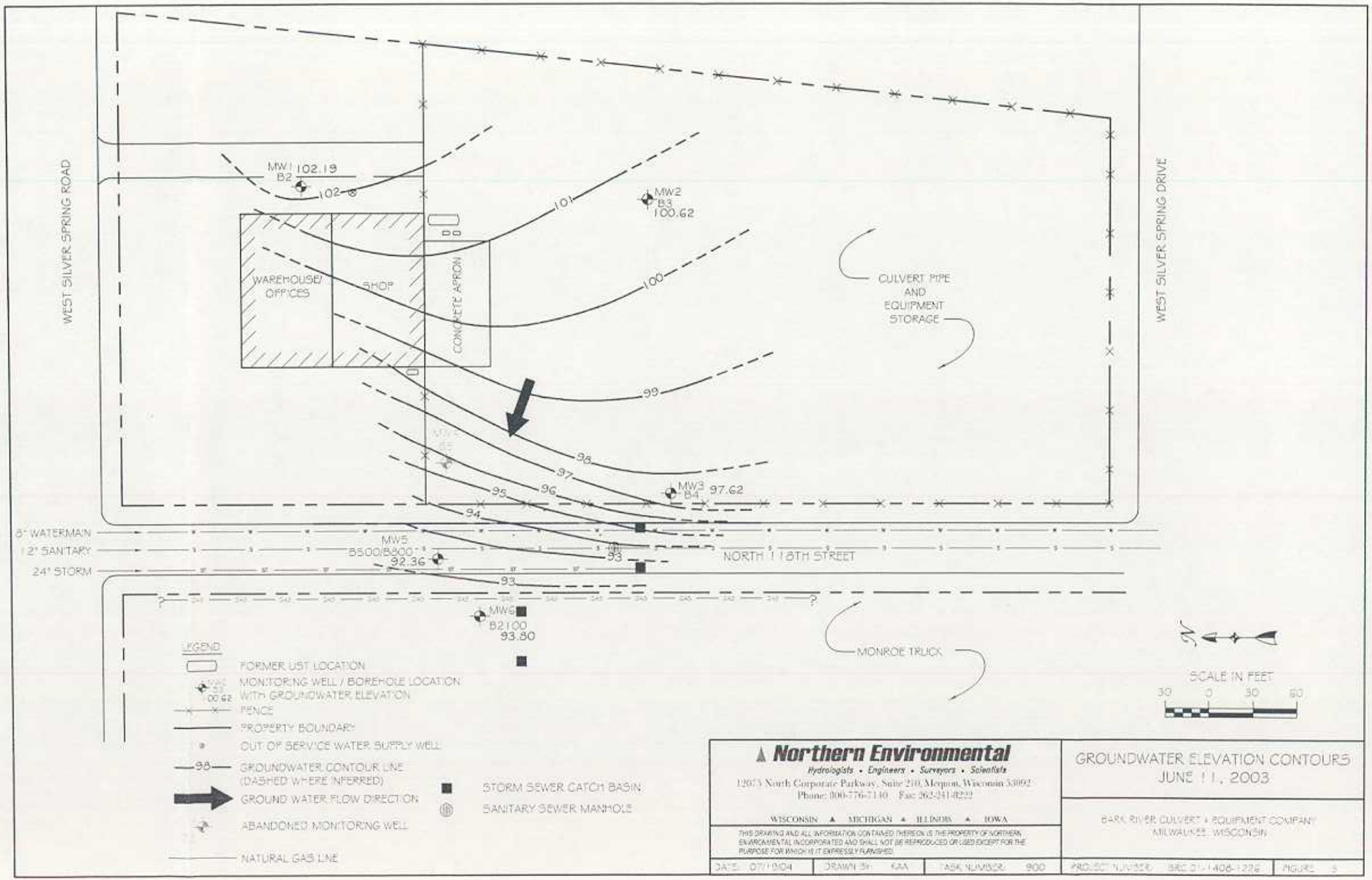
NOTE:

* = Reference point is north side of riser. 02/22/91 through 05/01/91 elevations referenced to mean sea level. Site was resurveyed on 10/27/95 and referenced to site datum of 100.00 feet (site datum is east bolt on fire hydrant located on west side of Property on North 118th Street).

** = Well damaged and required repair. Reference point elevation no longer valid.



S:\CAD\Mequon Projects\BRC 1226 04_07 19.dwg, Figure 4, 7/20/2004 8:30:07 AM



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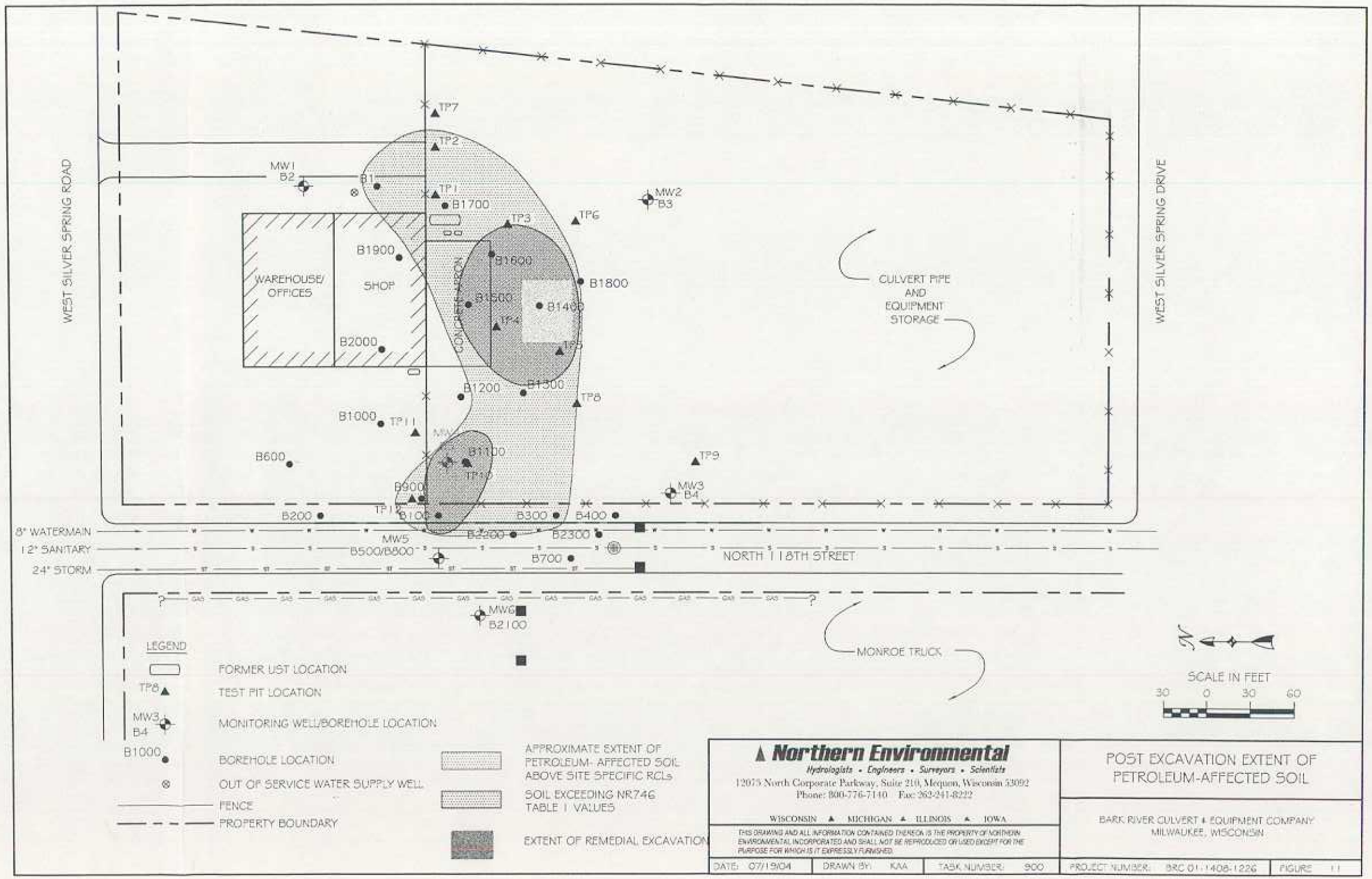
GROUNDWATER ELEVATION CONTOURS
JUNE 11, 2003

BARK RIVER CULVERT + EQUIPMENT COMPANY
MILWAUKEE, WISCONSIN

DATE: 07/19/04	DRAWN BY: KAA	TASK NUMBER: 900	PROJECT NUMBER: BRC 01-1408-1226	FIGURE: 3



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POST EXCAVATION EXTENT OF PETROLEUM-AFFECTED SOIL

BARK RIVER CULVERT & EQUIPMENT COMPANY
MILWAUKEE, WISCONSIN

DATE: 07/19/04	DRAWN BY: KAA	TASK NUMBER: 900	PROJECT NUMBER: BRC 01-1408-1226	FIGURE 11

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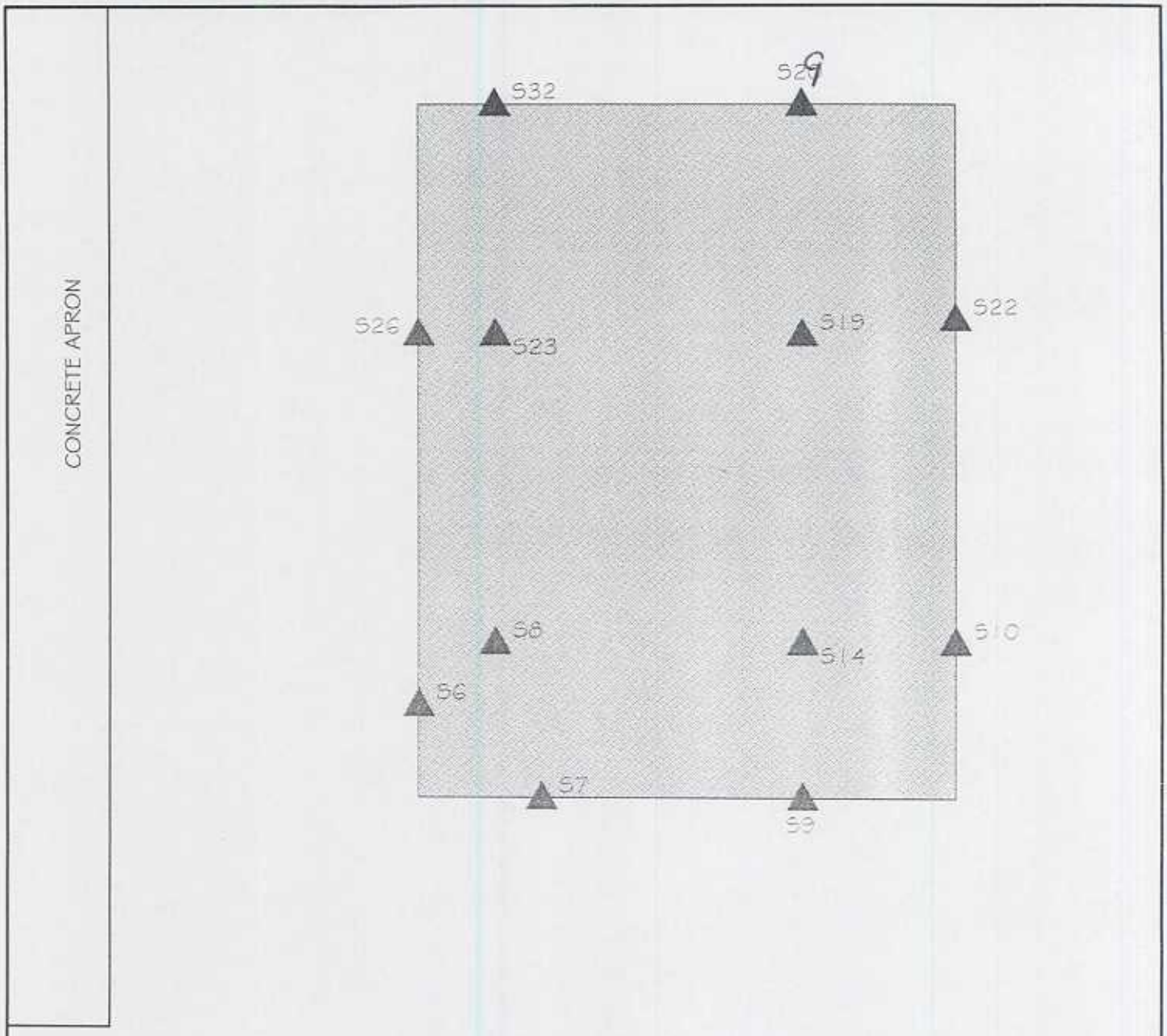

LEGEND

▲ S30 SOIL SAMPLE LOCATION & IDENTIFICATION

AREA OF REMEDIAL EXCAVATION

SCALE IN FEET

5 0 5 10

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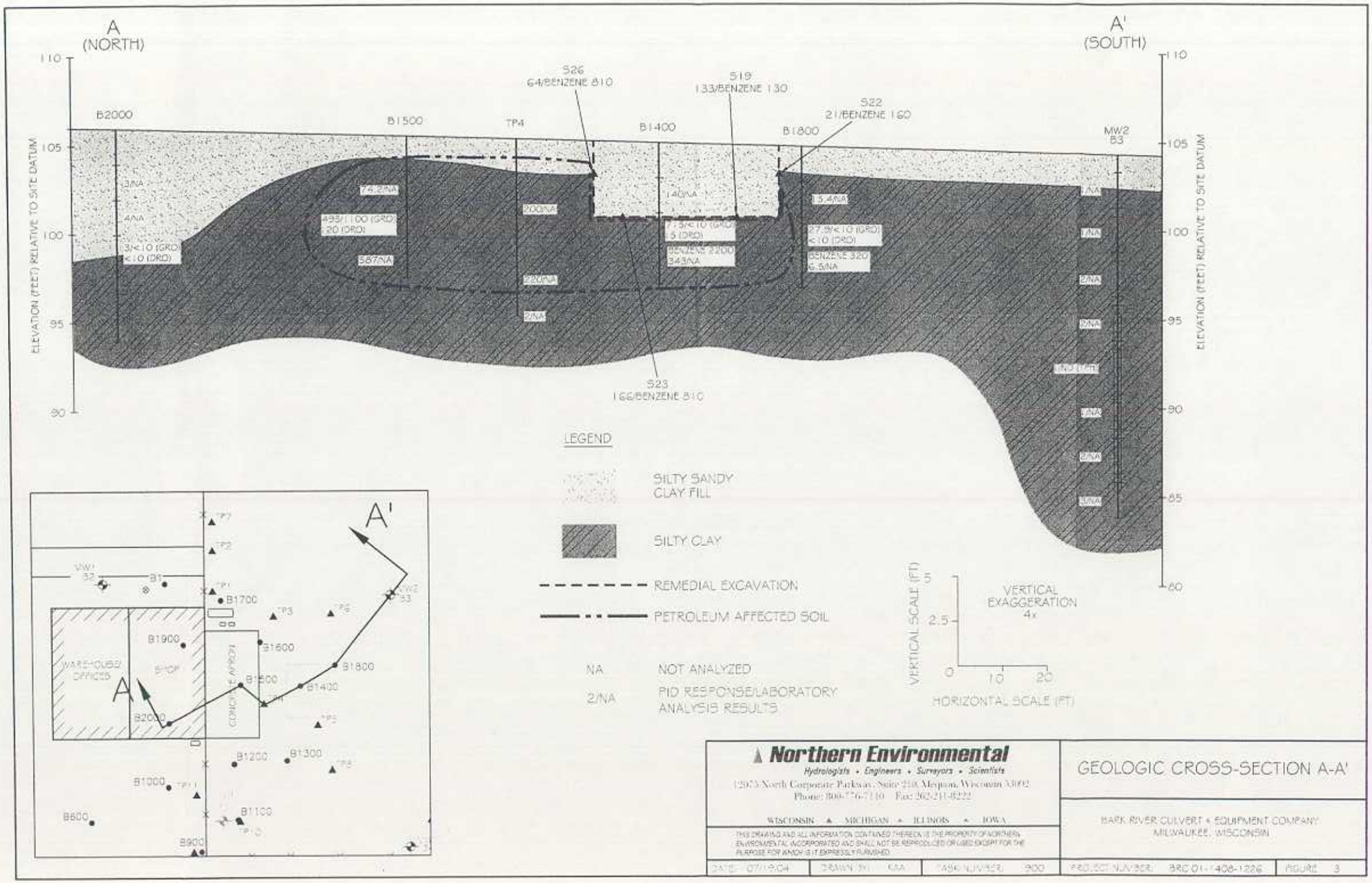
CONFIRMING FLOOR & WALL SOIL SAMPLE LOCATIONS

BARK RIVER CULVERT & EQUIPMENT COMPANY
MILWAUKEE, WISCONSIN

DATE: 07/19/04	DRAWN BY: KAA	TASK NUMBER: 300	PROJECT NUMBER: BRC 01-1408-1226	FIGURE 8

S:\CAD\Mequon\Projects\BRC\1226\04_0719_7_8.dwg, Figure 8, 7/30/2004 8:24:05 AM


A
(NORTH)
A'
(SOUTH)
ELEVATION (FEET) RELATIVE TO SITE DATUM
110
105
100
95
90
85
80
B2000
B1500
TP4
B1400
B1800
MW2
B3
S26
64/BENZENE 810
S19
133/BENZENE 130
S22
21/BENZENE 160
S23
166/BENZENE 810
3/NA
4/NA
3/<10 (GRO)
<10 (DRO)
74.2/NA
495/1100 (GRO)
20 (DRO)
587/NA
200/NA
220/NA
2/NA
140/NA
715/<10 (GRO)
5 (DRO)
BENZENE 2200
343/NA
13.4/NA
27.9/<10 (GRO)
<10 (DRO)
BENZENE 320
6.5/NA
1/NA
2/NA
3/NA
LEGEND
SILTY SANDY CLAY FILL
SILTY CLAY
REMEDIAL EXCAVATION
PETROLEUM AFFECTED SOIL
NA NOT ANALYZED
2/NA PID RESPONSE/LABORATORY ANALYSIS RESULTS
VERTICAL SCALE (FT)
5
2.5
0
10
20
HORIZONTAL SCALE (FT)
VERTICAL EXAGGERATION 4x
A'
A
B1700
B1900
B1600
B1800
B1500
B1400
B2000
B1200
B1300
B1000
B1100
B600
B900
WAREHOUSE/ OFFICES
SHOP
CONCRETE APRON
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GEOLOGIC CROSS-SECTION A-A'
BARK RIVER CULVERT • EQUIPMENT COMPANY
MILWAUKEE, WISCONSIN
DATE: 07/19/04
DRAWN BY: KAA
TASK NUMBER: 900
PROJECT NUMBER: BRC 01-1408-1226
FIGURE 3

BARK RIVER CULVERT AND EQUIPMENT COMPANY
11715 WEST SILVER SPRING ROAD
MILWAUKEE, WISCONSIN 53225

WDNR BRRTS #03-41-000146
PECFA CLAIM #53225-3082-15

Required Information for GIS Registry

Parcel Identification: 182-9997-110-0
Geographic Position: WTM91 Coordinates = 677926, 295794
Legal Description: See attached Warranty Deed

Signed Statement by Responsible Party

I certify that the legal descriptions included in this report are complete and accurate and describes the Bark River Culvert And Equipment Company site.

PRESIDENT

Fred Lindner, Jr.
Bark River Holdings, Inc.

Northern Environmental™
Hydrologists · Engineers · Surveyors · Scientists

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Fax (262) 241-8222
www.northernenvironmental.com

September 27, 2004
(BRC 01-1408-1226)

Mr. Jeffrey Polenske, City Engineer
City of Milwaukee
841 North Broadway
Milwaukee, Wisconsin 53202

RE: Case Closure Requirements, Former Bark River Culvert and Equipment Company, 11715 West Silver Spring Road, Milwaukee, Wisconsin

Dear Mr. Polenske:

Northern Environmental Technologies, Incorporated (Northern Environmental) was contracted to investigate and remediate a petroleum release at the former Bark River Culvert and Equipment Company, 11715 West Silver Spring Road, Milwaukee, Wisconsin (the Site). Northern Environmental has completed the necessary investigation activities and monitored groundwater quality at the Site. Currently, we are requesting case closure from the Wisconsin Department of Commerce (COMM). We feel the COMM will close the Site but will likely require the responsible party (RP) to notify owners of adjacent properties of potential off-site petroleum contamination.

In anticipation of case closure, we hereby notify the city of Milwaukee of the potential to encounter petroleum contamination in groundwater in the 118th Street right-of-way, adjacent to the Site. A figure illustrating the estimated area of contamination is enclosed.

We trust this information meets your needs. Please contact us if you have any questions or require further details.

Sincerely
Northern Environmental Technologies, Incorporated

Robert K. Sanborn, PG
Senior Project Manager

RKS/ams
Enclosure

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