The following site is being submitted for inclusion into the GIS registry:

- To begin, click on cell to the right of; *This is a:*
- Use Tab, ↓ or Pg Down to navigate form. Print & include with file when completed.

This is a:	New Submittal
BRRTS ID (no dashes):	**0254001506**
Comm # (no dashes):	53511355027
County:	Rock
Region:	South Central
Site Name:	Riverside Park Parcel 1351 & 1220
Street Address:	Riverside Drive & Woodward Avenue
City:	Beloit
Final Closure Date:	2003-01-17
Closure Conditions:	met
Off-source property contamination?	No
(If yes, attach locational data and deed information on pg. 2)	
Right-of-way contamination?	No
Contaminated media:	Groundwater and Soil

GPS Coordinates (meters in the **WTM91** projection)

Easting (X):	599405
Northing (Y):	226813
Collection Method:	DNR Web Site
Scale or Resolution:	1:3,239
(1:24,000 scale or finer)	
Prepared by:	Ralph Smith
Submitted by:	Ralph Smith

Source Property Checklist

- ☒ Final Closure Letter
- ☒ The most recent deed including legal descriptions, for all properties within or partially within the contaminated site boundaries w/ Soil > NR 720 RCL and/or GW > NR 140 ES
- ☒ A certified surveyed map or the relevant section of the recorded plat map for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map
- ☒ Parcel ID for all properties w/ Soil > NR 720 RCL and/or GW > NR 140 ES
- ☒ General Location Map
- ☒ Detailed Location Map showing property boundaries, buildings, MW(s), soil borings and/or potable wells etc for properties w/ Soil > NR 720 RCL and/or GW > NR 140 ES
- ☐ Latest Map(s) showing extent or outline of current GW and/or Soil contamination plume
- ☒ Latest Table of GW and/or Soil results
- ☒ Map showing GW flow direction
- ☒ A table of the previous 4 water level elevation measurements
- ☒ Geologic cross section (if generated as part of the site investigation)
- ☐ Statement signed by RP certifying correctness of legal descriptions
- ☐ ROW Notification

ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
P.O. Box 8044
Madison, Wisconsin 53708-8044
TDD #: (608) 264-8777
Fax #: (608) 267-1381
http://www.commerce.state.wi.us
http://www.wisconsin.gov
Jim Doyle, Governor
Cory L. Nettles, Secretary

Wisconsin
Department of Commerce

January 17, 2003

Mike Flesch
City Engineer
City of Beloit
100 State Street
Beloit, WI 53511-6234

RE: **Final Closure**

Commerce # 53511-3550-27 WDNR BRRTS # 02-54-001506
Riverside Park Parcel 1351 & 1220, Riverside Drive & Woodward Avenue, Beloit

Dear Mr. Flesch:

The Wisconsin Department of Commerce (Commerce) has received all items required for closure of the site referenced above. This site is now listed as "closed" on the Commerce database.

It is in your best interest to keep all documentation related to the environmental activities at your site. If residual contamination is encountered in the future, appropriate measures must be implemented to assure that it is managed following all applicable regulations. If future site conditions indicate that any remaining contamination poses a threat, and subsequent information indicates a need to reopen this case, any original claim under the PECFA fund would also reopen and you may apply for assistance to the extent of remaining eligibility.

Thank you for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (608) 261-6543.

Sincerely,

Ralph N. Smith

Ralph N. Smith
Hydrogeologist
Site Review Section

cc: Robert Langdon -- BT^2, Inc.
Denise Nettesheim -- WDNR (via E-mail)
Case File

Document Number

1530541

NOTICE OF CONTAMINATION TO PROPERTY

RECORDED

'02 JAN 21 PM 12 01

RANDAL LEYES
REGISTER OF DEEDS
ROCK CO WI 53545

Recording Area

Legal Description of the Property: In re:

(as it appears on the most recent deed)

See attached Legal Description

Name and Return Address

City Attorney
100 State Street
Beloit, WI 53511

STATE OF WISCONSIN)
) ss
COUNTY OF ROCK)

1351-1220

Parcel Identification Number (PIN)

Section 1. City of Beloit is the owner of the above-described property.

Section 2. One or more petroleum discharges have occurred at this property. Polycyclic aromatic hydrocarbons (PAHs) contaminated groundwater above NR 140 Enforcement Standards and Diesel Range Organics (DRO), PAHs, and lead (Pb) contaminated soils above NR 720 residual contaminant levels of the Wisconsin Administrative Code exist(s) on this property.

Section 3. 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 limitations and/or restrictions:

Benzo(b)fluoranthene, benzo(a)pyrene, and chrysene contaminated groundwater above NR 140 enforcement standards (ES) exists approximately sixty feet southeast of the Gazebo. BMW2 is the monitoring well above ES for these three PAH compounds. (See the attached figure for the locations of the groundwater monitoring wells at the site.) 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 prohibitions or 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.

Residual petroleum contaminated soil with Diesel Range Organics (DRO) levels as high as 22,200 mg/kg located four feet below ground surface (bgs) remains on this site in the area of soil sample S25. PAH compounds benzo(a)anthracene (6,290 µg/kg), benzo(a)pyrene (1,360 µg/kg) and phenanthrene (19,700 µg/kg) exist at 4 feet bgs as analyzed in soil sample S25. Lead (Pb) was sampled at 267 mg/kg from soil boring SB11. (See attached figure for the locations of these compounds of concern.) It has been shown that these levels are protective of health and the environment. If this contaminated soil is excavated in the future, it may be considered a solid waste and will need to be disposed in accordance with all applicable laws.

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Commerce, or its successor, issue a determination that the restrictions set forth in this covenant are no longer required. That property owner shall provide any and all necessary information to the Department in order for the Department to be able to make a determination. Upon receipt of such a request, the Department shall determine whether or not the restrictions contained herein can be extinguished. Conditions under which a restriction may be extinguished will be determined in accordance with the site specific standards, rules and laws for this property. 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 restriction, or portions of this restriction are no longer binding. Any restriction placed upon this property shall not be extinguished without the Department's written determination.

IN WITNESS WHEREOF, the owner of the property has executed this document, this _____ day of January, 20 02.

[When appropriate use the following clause]:

By signing this document, [he/she] acknowledges that [he/she] is duly authorized to sign this document on behalf of the City of Beloit.

Signature: _____

Printed Name: Jane Wood

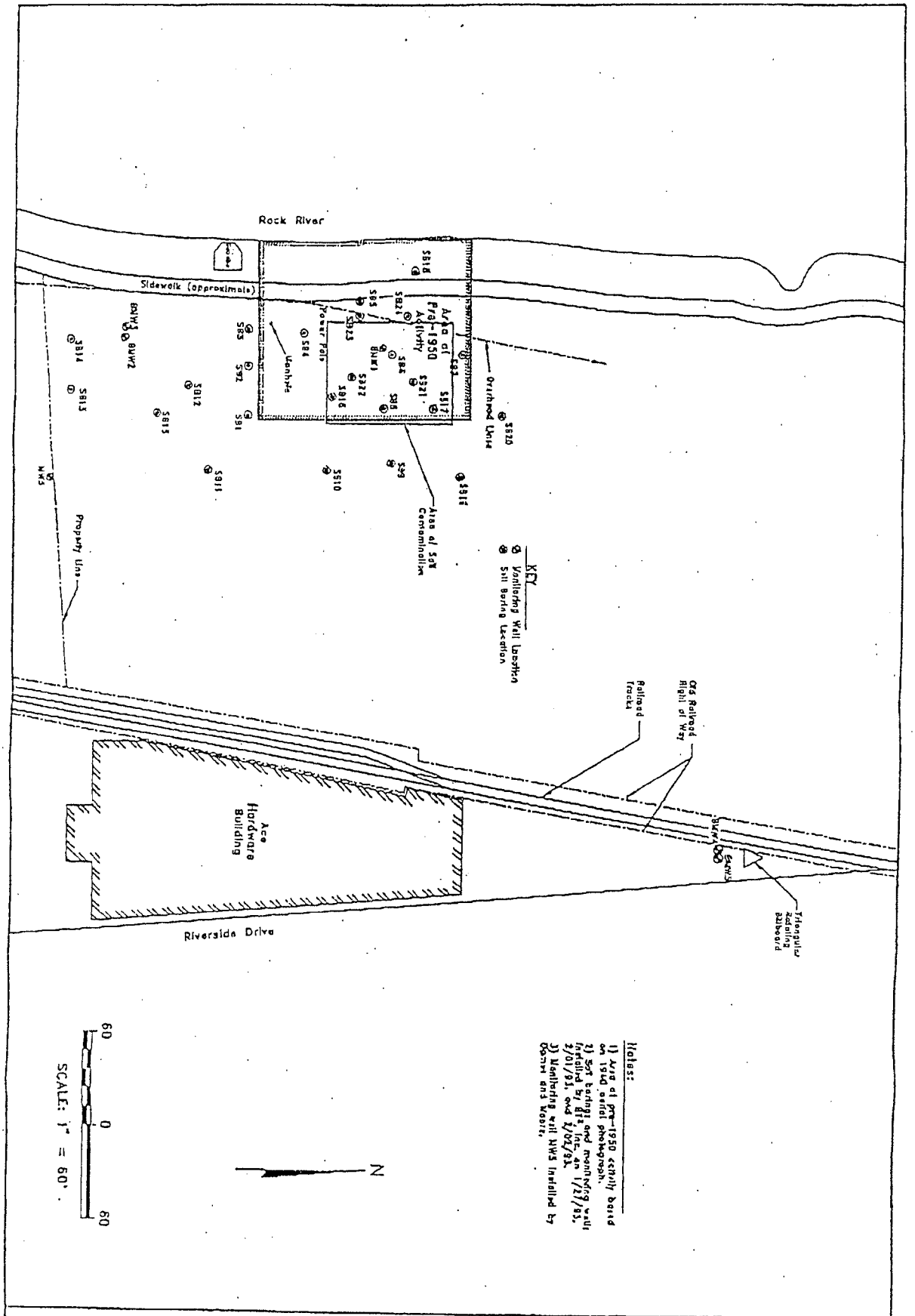
Title: City Manager

Subscribed and sworn to before me
this 18 day of January, 20 02

_____
Notary Public, State of Wisconsin
My commission is permanent

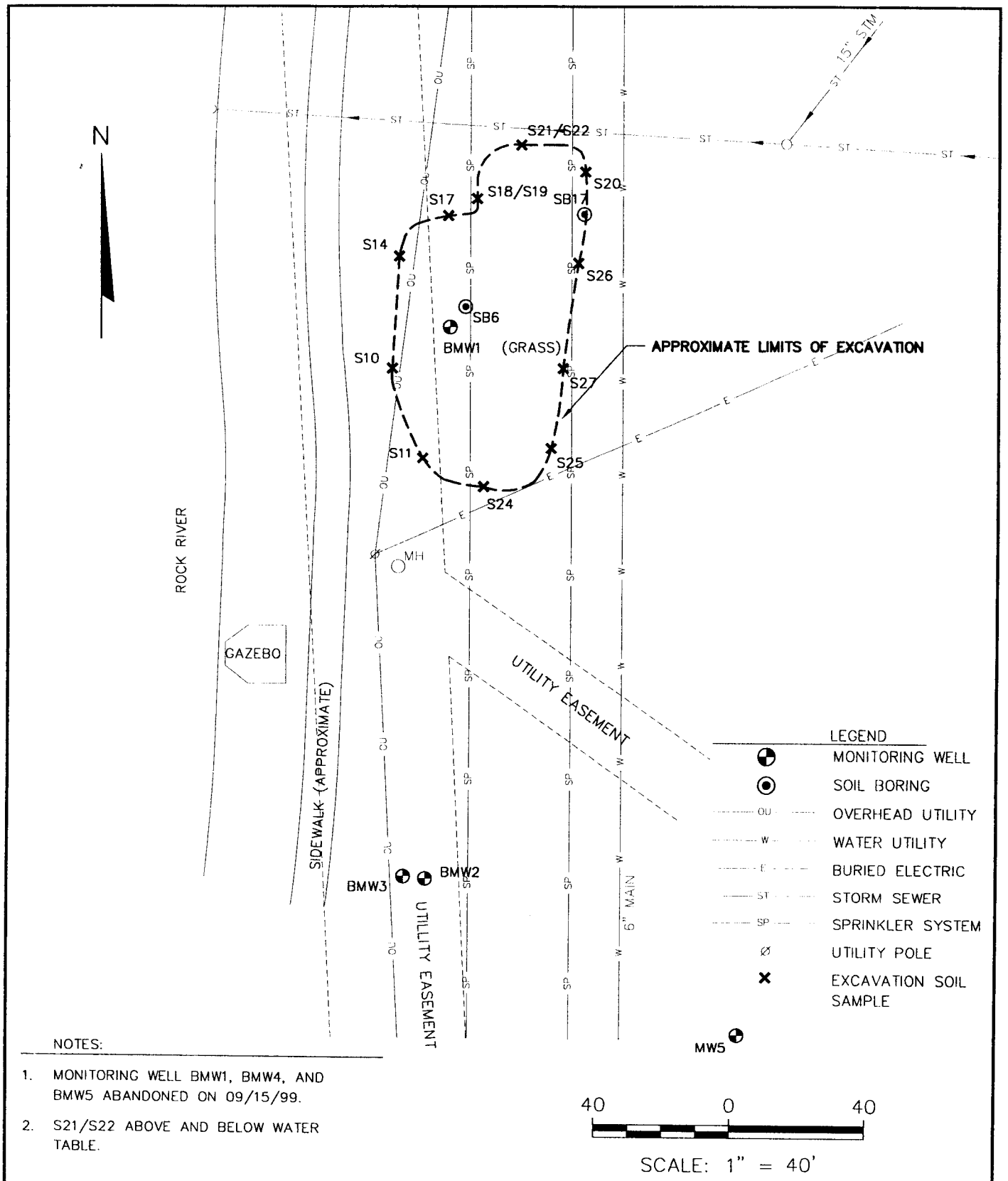
This document was drafted by the Wisconsin Department of Commerce.

A parcel of land in Government Lot 5, in the Fractional Northeast 1/4 of Section 35, Town 1 North, Range 12 East of the 4th P.M., now being in the City of Beloit, Rock County, Wisconsin, bounded on the South by Eclipse Avenue, now Woodward Avenue, on the East by the joint right-of-way of the Chicago, Milwaukee & St. Paul Railroad Company and the Chicago & Northwestern Railway Company; on the North by the Southerly boundary line of the lands acquired by the City of Beloit from Fairbanks Morse & Co. and now used for the purpose of a public park; on the West by Rock River. Excepting and Reserving, a parcel of land 200 feet in equal width off the South side of said parcel of land and extending from the Easterly boundary line along Eclipse Avenue to a point 20 feet Easterly of the so-called limit line established by the U.S. War Department on October 15, 1931; and further excepting and reserving, a right-of-way 20 feet in equal width for purposes of ingress and egress only (without obstruction by vehicle parking) over that portion of said parcel of land which lies between the Westerly boundary of the parcel of land described in the first exception and said limit line.



Parcel 1351-1220 - Approximate Area of Soil Contamination

Project No. 523	exp-site.dwg	BT^2, Inc.	Figure 1
Drawn By: KP	February 1994		



NOTES:

1. MONITORING WELL BMW1, BMW4, AND BMW5 ABANDONED ON 09/15/99.
2. S21/S22 ABOVE AND BELOW WATER TABLE.

PROJECT NO. 523	FIGURE 4 EXCAVATION LIMITS RIVERSIDE PARK PARCEL 1351-1220 BELOIT, WISCONSIN
DRAWN BY: KP / EJN	
CHECKED BY: JCK	
DRAWN: 02/94	
REVISED: 08/15/00	

J:\523\EXCAVATION\LIMITS-COMPLETED.DWG

Table 1
Soil Analytical Results Summary (minus PAH)
Riverside Park / Project #523
(results in mg/kg)

Sample	Date	Pb	GRO	DRO	B	T	E	X	N	TMB	A	MBK	Bb	Other
SB6 S1	1/27/93	16	**1,800**	**11,000**	<3	<4	**20**	**8.4**	66	51	140	67	120	IPB 11 nPB 97
SB8 S2	1/27/93	<5	**110**	<10	<0.3	<0.4	<0.43	1	1.5	1	9.4	0.86	3.3	TRPH 998
SB10 S2	1/27/93	**164**	11	<10	<0.09	<0.12	<0.15	<0.15	0.24	<0.15	12	<0.5	<0.2	
SB15 S1	2/2/93	**75**	<10	<10	<0.03	<0.04	<0.03	<0.05	<0.08	<0.05	0.4	<0.1	<0.0	
SB17 S2	2/2/93	**136**	**130**	**3,400**	<0.12	<0.16	0.33	0.38	1.4	0.19	0.43	0.46	1.6	
BMW3 S1	2/2/93	9	<10	<10	<0.03	<0.04	<0.03	<0.05	<0.08	<0.05	0.3	<0.1	<0.0	nPB 0.5
SB1 S3	1/27/93	26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SB3 S2	1/27/93	34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SB4 S2	1/27/93	**73**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SB7 S2	1/27/93	**62**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SB9 S2	1/27/93	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SB11 S1	1/27/93	**267**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SB12 S1	1/27/93	**65**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SB13 S1	1/27/93	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SB14 S1	1/27/93	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SB19 S3	12/3/93	29	<10	7	<0.27	<0.19	<0.05	<0.11	NA	<0.29	NA	NA	NA	
SB20 S3	12/3/93	**118**	<10	<5	<0.27	0.43	<0.05	<0.11	NA	<0.29	NA	NA	NA	
SB21 S2	12/3/93	25	**200**	**140**	<0.27	<0.19	0.46	0.15	NA	0.7	NA	NA	NA	
SB21 S3	12/3/93	25	**110**	<5	<0.27	<0.19	0.74	<0.11	NA	<0.29	NA	NA	NA	
SB22 S2	12/3/93	35	54	**260**	<0.27	<0.19	0.06	<0.11	NA	<0.29	NA	NA	NA	
SB22 S3	12/3/93	**52**	12	7	<0.27	<0.19	<0.05	<0.11	NA	<0.29	NA	NA	NA	
SB23 S1	12/3/93	44	<10	5	<0.27	<0.19	<0.05	<0.11	NA	<0.29	NA	NA	NA	

Table 1 (Continued)
Soil Analytical Results Summary (minus PAH)

Sample	Date	Pb	GRO	DRO	B	T	E	X	N	TMB	A	MBK	Bb	Other
SB24 S2	12/3/93	32	**470**	**1,100**	<2.7	<1.0	1.9	0.13	NA	1.86	NA	NA	NA	
BMW4 S3	12/3/93	**54**	<10	<5	<0.27	0.49	0.11	0.4	NA	<0.29	NA	NA	NA	
BMW4 S4	12/3/93	11	<10	<5	<0.27	<0.19	<0.05	0.13	NA	<0.29	NA	NA	NA	
NR 720 Generic Soil Cleanup Standards		50	100	100	0.0055	1.5	2.9	4.1	NE	NE	NE	NE	NE	

ABBREVIATIONS

Pb = total lead
GRO = Gasoline Range Organics
DRO = diesel range organics
B = Benzene
NE = Not established

T = toluene
E = ethylbenzene
X = total xylenes
N = naphthalene

TMB = 1,2,4 + 1,3,5-trimethylbenzene
A = acetone
MBK = 2-hexanone
Bb = n-. sec-, & tert-butylbenzene (total)

IPB = isopropylbenzene
nPB = n-propylbenzene
TRPH = total recoverable petroleum hydrocarbons
NA = not analyzed

NOTE:
Bold values exceed NR 720 generic soil cleanup standards.

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Rev. 6/20/96

Table 2
Soil Polynuclear Aromatic Hydrocarbon (PAH) Analytical Results
Parcel 1351-1220 / Project #523
(results in mg/kg)

Sample	Date	Depth	Lab Notes	DRO	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) flouranthene	Benzo(ghi) perylene	Chrysene	Fluoranthene	Fluorene	Ideno (1,2,3-cd) pyrene	1-Methyl-naphthalene	Phenanthrene	Pyrene
SB25 S2	6/3/96	3-5'	(1)	2,200	<2.84	<2.84	<2.84	<2.84	<2.84	<2.84	<2.84	<2.84	<2.84	<2.84	<2.84
SB26 S2	6/3/96	3-5'	(2)	47	0.58	0.61	0.79	0.37	0.64	1.44	<0.31	0.47	<0.31	0.88	0.90
SB27 S2	6/3/96	3-5'	(3)	7.0	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29
SB28	6/3/96	0-6"	(4)	<4.1	<0.30	<0.30	0.34	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
SB28 S2	6/3/96	3-5'	(1)	2,400	<5.34	<5.34	<5.34	<5.34	<5.34	<5.34	<5.34	<5.34	40	7.40	<5.34
Generic Residual Contaminant Levels (RCLs) for PAH Compounds in Soil - Direct Contact Non-Industrial (WDNR March 1997 Interim Guidance)					0.088	0.0088	0.088	1.8	8.8	600	600	0.088	1,100	18	500
Generic Residual Contaminant Levels (RCLs) for PAH Compounds in Soil - Direct Contact Industrial (WDNR March 1997 Interim Guidance)					3.9	0.39	3.9	39	390	40,000	40,000	3.9	70,000	390	30,000
Generic Residual Contaminant Levels (RCLss) for PAH Compounds in Soil - Groundwater Pathway (WDNR March 1997 Interim Guidance)					30	90	650	12,000	66	1,000	200	1,200	42	3.3	16,000

ABBREVIATIONS
DRO = Diesel Range Organics

LABORATORY NOTES:
(1) Front peaks outside of DRO window, indicating lighter fuels are present. Mainly diesel range peaks present. Large diesel range fuel hump present in the PAH analysis, elevating detection limits.
(2) Peaks late in DRO window and beyond DRO window; along with some baseline rise. Diesel range peaks present. Large fuel hump present in the PAH analysis.
(3) Slight fuel hump late in and beyond DRO window, with some baseline rise. Sulfur hump present in the PAH analysis.
(4) Peaks present throughout the PAH analysis.

Riverside Park / Project #523
Water Level Elevations and Survey Data

Well	Top of Casing Elevation (ft.)*	Date	Depth to Water (ft.)	Water Level Elevation (ft.)*
BMW1	99.51	2/25/93	4.39	95.12
		4/2/93	2.85	96.66
		12/17/93	4.32	95.19
		9/15/99	4.09	95.42
BMW2	99.46	2/25/93	3.88	95.58
		4/2/93	3.37	96.09
		12/17/93	3.76	95.70
		9/15/99	3.63	95.83
		9/4/01	3.90	95.56
BMW3	99.58	2/25/93	9.75	89.83
		4/2/93	7.93	91.65
		12/17/93	8.79	90.79
		9/15/99	9.31	90.27
		9/4/01	9.75	
BMW4	101.51	12/17/93	9.76	91.75
		9/15/99	10.18	91.33
BMW5	101.93	12/17/93	9.64	91.89
		9/15/99	10.05	91.88
Rock River	--	4/2/93	--	95.82

* Elevation based on benchmark at the manhole cover located near the power pole in the central portion of the study area. Benchmark elevation is arbitrarily set at 100.00 ft.

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Table 3
Groundwater Analytical Results (minus PAH)
Riverside Park / Project #523
(Results in $\mu g/l$)

Well	Lab Notes	Date	GRO	DRO	Pb	Benzene	1,2-DCP	2,2-DCP	Ethylbenzene	Naphthalene	Toluene	Trichloroethene	Xylenes	DCA	DCE	1,1,1-TCA	1,1,2-TCA	Tetrachloroethene	Bb	Isopropyl-toluene	TMBs
BMW1	--	2/26/93	1,300	5,600	<2	**1.2**	**2.1**		7.2	**69**	1.3	1	5.4	<0.8	<1.3	<0.8	<1.0	<0.9	**57**	11	34
	--	4/2/93	700	3,100	<2	**1.8**	<2	<2	<1.0	2.6	<1.4	<1.6	<2.0	<1.6	<2.6	<1.6	<2.0	<1.8	10.4	<1.4	<2.2
	(1)	9/15/99	NA	10,000	NA	<0.28	NA	NA	<0.22	NA	<0.20	NA	1.4	NA	NA	NA	NA	NA	<0.16	NA	1.3
	(2)	9/15/99 Dup	NA	4,700	NA	<0.40	NA	NA	<0.22	NA	<0.20	NA	1.8	NA	NA	NA	NA	NA	<0.16	NA	1.4
BMW2	--	2/26/93	200	400	<2	<0.6	<1.0		<0.5	2	1.8	<0.8	3.8	<0.8	<1.3	<0.8	<1.0	<0.9	3.6	<0.7	<0.8
	--	4/2/93	100	400	<2	<0.6	<1.0	<1.0	<0.5	1.6	<0.7	<0.8	<1.0	<0.8	<1.3	<0.8	<1.0	<0.9	2.9	<0.7	<1.0
	(3)	9/15/99	NA	3,800	NA	<0.13	NA	NA	<0.22	NA	<0.20	NA	0.36	NA	NA	NA	NA	NA	<0.16	NA	<0.51
BMW3	--	2/26/93	<100	<100	<2	**0.6**	**3.5**		<0.5	<1.5	<0.7	1	<1.0	50	**5.9**	15	<1.0	<0.9	<1.5	<0.7	<1.0
	--	4/2/93	<100	<100	<2	<0.6	<1.0	<1.0	<0.5	<1.5	<0.7	<0.8	1.1	49	**6.2**	16	<1.0	<0.9	2.6	<0.7	<1.0
	--	9/15/99	NA	320	NA	**2.6**	NA	NA	<0.22	NA	<0.20	NA	<0.23	NA	NA	NA	NA	NA	<0.16	NA	0.30
BMW4	--	12/22/93	400	1,140	<0.002	**1.3**	<0.5	<0.7	1.8	<0.7	1.9	**6.3**	<1.0	8.1	**3.6**	<0.5	<0.5	**3.7**	<5.1	<0.5	<2.1
BMW5	--	12/22/93	3,100	1,410	0.002	**5.6**	<0.5	<0.7	50	<0.7	40	**3.4**	20	<1.1	<0.5	3.1	<0.5	**3.6**	**110**	<0.5	120
Field Blank	--	9/15/99	NA	NA	NA	<0.13	NA	NA	<0.22	NA	0.46	NA	0.27	NA	NA	NA	NA	NA	<0.16	NA	0.29
Trip Blank	--	9/15/99	NA	NA	NA	<0.13	NA	NA	<0.22	NA	<0.20	NA	<0.23	NA	NA	NA	NA	NA	<0.16	NA	<0.51
NR 140 ES			NE	NE	15	5	5	NE	700	40	1,000	5	10,000	850	7	200	5	5	60	NE	480
NR 140 PAL			NE	NE	1.5	0.5	0.5	NE	140	8	200	0.5	1,000	85	0.7	40	0.5	0.5	12	NE	96

ABBREVIATIONS:
GRO = gasoline range organics
DRO = diesel range organics
Pb = total lead (dissolved)
DCP = dichloropropane
DCA = 1,1-dichloroethane
DCE = dichloroethylene
TCA =1,1,1- trichloroethane
Bb = n-, sec-, & tert-butylbenzene (total)
TMBs = 1,2,4 + 1,3,5-trimethylbenzene
NA = Not Analyzed
PAL = Preventive Action Limit
ES = Enforcement Standards
NE = Not Established

NOTES:
1. Concentration values indicated for 1,2-DCP and 2,2-DCP for the February 26, 1993, sampling period reflect 1,2-DCP and/or 2,2-DCP.
2. Bold values indicate exceedance of NR 140 enforcement standard and/or preventive action limit.

SAMPLING NOTE:
BMW1, BMW2, BMW3 also analyzed for acetone, methyl isobutyl ketone, 2-hexanone, and vinyl acetate in 1993. These compounds were not detected.

LABORATORY NOTES:
(1) PVOCs analysis - Late eluting hydrocarbons present. Benzene analysis - Matrix interference.
(2) PVOCs and Benzene analyses - Late eluting hydrocarbons present.
(3) PVOCs analysis - Late eluting hydrocarbons present.

Date: 8/22/99
By: LH
Checked: EJN/RL

523\TABLES.523

Rev. 10/12/99

Table 4
Groundwater Polynuclear Aromatic Hydrocarbon (PAH) Analytical Results
Parcel 1351-1220 / Project #523
(Results are in µg/l)

Sample	BMW1 6/3/96	BMW1 9/15/99	BMW1 9/15/99 Dup	BMW2 9/15/99	BMW3 9/15/99	NR 140 Enforcement Standard	NR 140 Preventive Action Limit
Acenaphthene	NA	1.6	1.8	<2.2	<0.22	NE	NE
Acenaphthylene	NA	<0.55	<0.55	<5.5	<0.55	NE	NE
Anthracene	NA	0.33	0.37	1.6	<0.018	3,000	600
Benzo(a)anthracene	<0.50	<0.017	<0.017	5.3	<0.017	NE	NE
Benzo(b)flouranthene	<0.40	<0.043	<0.043	**3.4**	<0.043	0.2	0.02
Benzo(k)flouranthene	NA	<0.029	<0.029	1.2	<0.029	NE	NE
Benzo(a)pyrene	<0.40	<0.027	<0.027	**3.4**	<0.027	0.2	0.02
Benzo(ghi)perylene	<2.40	<0.10	<0.10	4.5	<0.10	NE	NE
Chrysene	<0.50	<0.013	<0.013	**0.51**	<0.013	0.2	0.02
dibenzo(a,h)anthracene	NA	<0.16	<0.16	<0.16	<0.16	NE	NE
Fluoranthene	<0.40	2.0	2.7	13	<0.10	400	80
Fluorene	2.2	4.2	4.5	3.5	<0.029	400	80
Ideno(1,2,3-cd)pyrene	<1.60	<0.083	<0.083	2.5	<0.083	NE	NE
1-Methyl-naphthalene	<10	<0.40	<0.40	<4.0	<0.40	NE	NE
2-Methyl-naphthalene	NA	<0.60	<0.60	<6.0	<0.60	NE	NE
Naphthalene	NA	2.6	3.4	<2.2	<0.22	40	8
Phenanthene	<2.00	0.29	0.31	2.6	0.080	NE	NE
Pyrene	<2.00	1.6	2.4	12	<0.047	250	50
Lab Note	(1)	--	--	(2)	--	--	--

ABBREVIATION:
NA = Not Analyzed NE = Not Established

NOTE:
Bold values exceed the NR 140 enforcement standard.

LABORATORY NOTES:
(1) The last three PAH compounds, (Benzo(ghi)perylene, Indeno(1,2,3-cd)pyrene, and Dibenzo(a,h)anthracene) have elevated detection limits due to baseline shift or fuel hump in fluorescence detector. PAH surrogate recovery not available due to high dilution.
(2) Matrix interference.

Date: 10/16/99
By: LH
Checked: EJN
523\TABLES.523

Rev. 10/13/99

Table 5
Excavation Soil Analytical Results Summary
Parcel 1351-1220 / Project #523
(Results are in µg/kg, except where noted otherwise)

Sample	Date	Depth (feet)	PID (IU)	Lab Notes	DRO (mg/kg)	Acenaph-thene	Anthracene	Benzo (a) anthracene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Benzo (a) pyrene	Benzo (ghi) perylene	Chrysene	Dibenzo (a,h) anthracene	Fluoran-thene	Fluorene	Indeno (1,2,3-cd) pyrene	1-Methyl-naphthalene	2-Methyl-naphthalene	Naphthalene	Phenan-threne	Pyrene
S10	4/26/00	3.5	9	--	193	<54	<5.4	8.7	9.2	5.8	10	20	7.6	<11	13	<11	8.9	<32	<27	<32	6.3	7.1
S11	4/26/00	3	3	--	453	<55	7.8	31	26	9.9	28	121	20	<11	29	<11	41	46	110	38	13	14
S14	4/26/00	3	3	--	473	<58	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<12	<12	<5.8	<5.8	<35	<29	<35	<5.8	<5.8
S17	4/26/00	3.5-4	3	(1)	134	<56	<5.6	16	23	6.6	18	26	17	<11	29	<11	17	<33	<28	<33	7.1	14
S18	4/26/00	3-3.5	3	--	<5.4	<54	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<11	<11	<11	<5.4	<32	<27	<32	<5.4	<5.4
S19	4/26/00	4	419	--	1,980	89	165	418	19	39	17	100	77	<11	572	176	33	<33	<28	<33	176	583
S20	4/26/00	3.5	3	(1)	110	<610	<61	485	510	170	376	777	340	<120	425	<120	303	<360	<300	<360	146	522
S21	4/26/00	4	3	(2)	367	<610	69	612	661	245	575	1,350	490	<120	710	<120	526	<370	<310	<370	318	355
S22	4/26/00	4	130	--	2,650	199	221	564	<9.2	<9.2	<9.2	80	62	<18	1,330	188	24	<55	254	<55	155	873
S24	4/26/00	4	21	(2)	1,620	<970	<97	<97	<97	<97	<97	<97	<97	<200	<200	<200	<97	<580	<480	<580	<97	<97
S25	4/26/00	4	106	(2)	22,200	18,500	2,960	6,290	851	234	1,360	1,360	863	<200	8,260	7,770	740	6,660	<520	<620	19,700	8,260
S26	4/26/00	3	3	(1)	285	<550	<55	175	208	208	<55	197	164	526	219	<110	<55	<330	<270	<330	99	110
S27	4/26/00	4	209	--	364	77	94	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<11	398	148	<5.7	80	330	64	45	295
NR 720 Generic Soil Cleanup Standards					100	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Generic Residual Contaminant Levels (RCLs) for PAH Compounds in Soil - Direct Contact Non-Industrial (WDNR March 1997 Interim Guidance)					900,000	5,000,000	88	88	880	8.8	1,800	8,800	8.8	600,000	600,000	88	1,100,000	600,000	20,000	18,000	500,000	
Generic Residual Contaminant Levels (RCLs) for PAH Compounds in Soil - Direct Contact Industrial (WDNR March 1997 Interim Guidance)					60,000,000	300,000,000	3,900	3,900	39,000	390	39,000	390,000	390	40,000,000	40,000,000	3,900	70,000,000	40,000,000	110,000	390,000	30,000,000	
Generic Residual Contaminant Levels (RCLs) for PAH Compounds in Soil - Groundwater Pathway (WDNR March 1997 Interim Guidance)					69,000	6,000,000	30,000	650,000	1,600,000	90,000	12,000,000	66,000	69,000	1,000,000	200,000	1,200,000	42,000	30,000	700	3,300	16,000,000	

ABBREVIATIONS:
PID = Photo-ionization Detector
(1) = Sidewalk Sample
IU = Instrument Units
VOCs = Volatile Organic Compounds
DRO = Diesel Range Organics
NA = Not Analyzed
TMB = Trimethylbenzene
NE = No Standard Established
MTBE = Methyl-tert-butyl ether
ND = Not Detected

LABORATORY NOTES:
(1) DRO analysis - Late eluting hydrocarbons present.
(2) PNA analysis - Matrix interference

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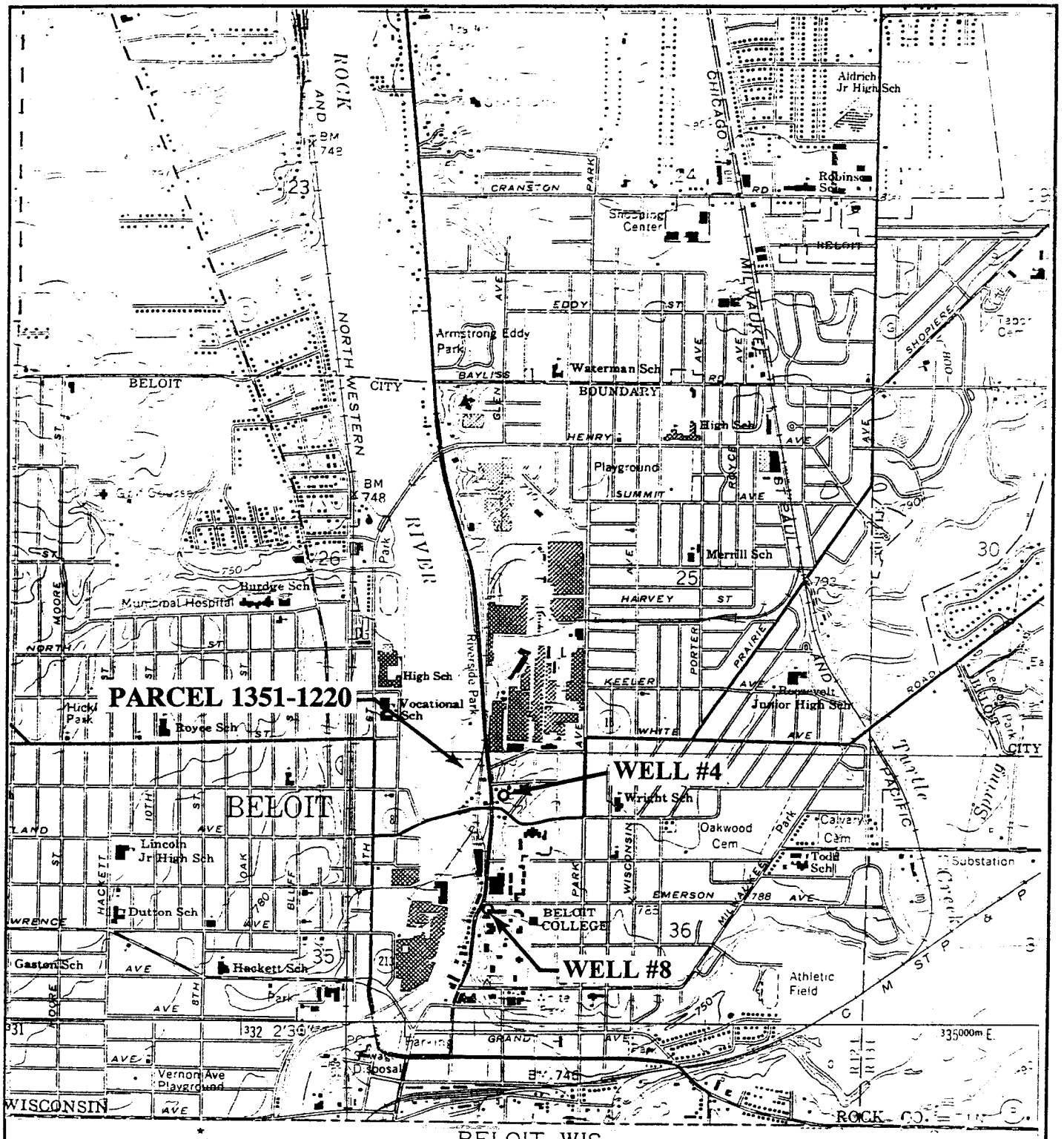
5/18/00



BELOIT, WIS.

SE/4 JANESVILLE 15' QUADRANGLE

N4230—W8900/7.5

1962

PHOTOREVISED 1971 AND 1976

AMS 3169 II SE SERIES V361

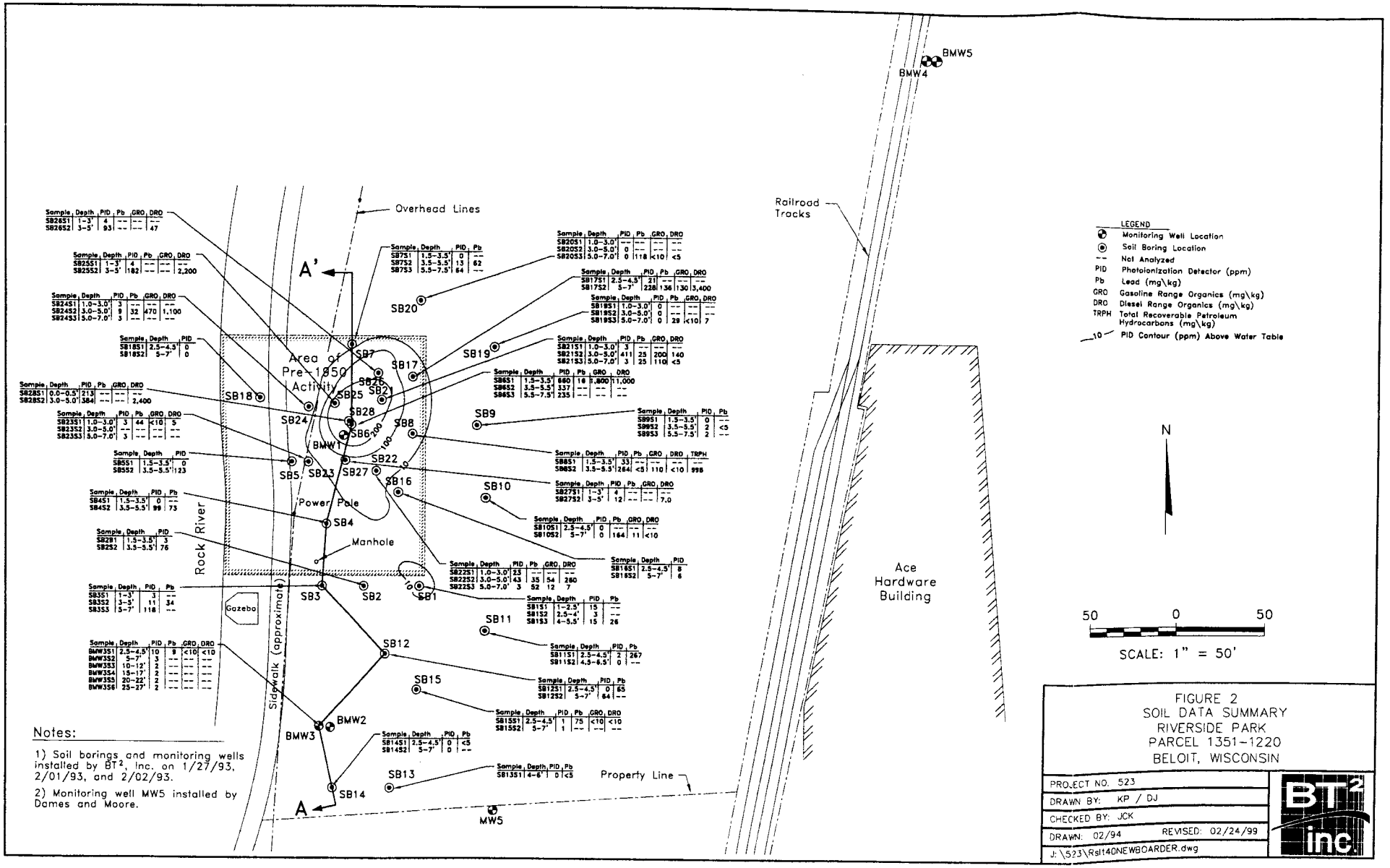
UTM GRID AND 1976 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

QUADRANGLE LOCATION

PROJECT NO. 523	FIGURE 1 SITE LOCATION MAP RIVERSIDE PARK PARCEL 1351–1220 PARCEL 1351–1220 BELOIT, WISCONSIN
DRAWN BY: DJ	
CHECKED BY: JK	
DRAWN: 02/23/99	
SCALE: 1" = 2,000'	

BT² inc.

J:\523\FIG1



Sample	Depth	PID	Pb	GRO	DRO
SB26S1	1-3'	4	--	--	--
SB26S2	3-5'	93	--	--	47

Sample	Depth	PID	Pb	GRO	DRO
SB25S1	1-3'	4	--	--	--
SB25S2	3-5'	182	--	--	2,200

Sample	Depth	PID	Pb	GRO	DRO
SB24S1	1.0-3.0'	3	--	--	--
SB24S2	3.0-5.0'	9	32	470	1,100
SB24S3	5.0-7.0'	3	--	--	--

Sample	Depth	PID
SB18S1	2.5-4.5'	0
SB18S2	5-7'	0

Sample	Depth	PID	Pb	GRO	DRO
SB28S1	0.0-0.5'	213	--	--	--
SB28S2	3.0-5.0'	384	--	--	2,400

Sample	Depth	PID	Pb	GRO	DRO
SB23S1	1.0-3.0'	3	44	<10	5
SB23S2	3.0-5.0'	--	--	--	--
SB23S3	5.0-7.0'	3	--	--	--

Sample	Depth	PID
SB5S1	1.5-3.5'	0
SB5S2	3.5-5.5'	123

Sample	Depth	PID	Pb
SB4S1	1.5-3.5'	0	--
SB4S2	3.5-5.5'	99	73

Sample	Depth	PID
SB2S1	1.5-3.5'	3
SB2S2	3.5-5.5'	76

Sample	Depth	PID	Pb
SB3S1	1-3'	3	--
SB3S2	3-5'	11	34
SB3S3	5-7'	118	--

Sample	Depth	PID	Pb	GRO	DRO
BMW3S1	2.5-4.5'	10	9	<10	<10
BMW3S2	5-7'	3	--	--	--
BMW3S3	10-12'	2	--	--	--
BMW3S4	15-17'	2	--	--	--
BMW3S5	20-22'	2	--	--	--
BMW3S6	25-27'	2	--	--	--

Sample	Depth	PID	Pb
SB7S1	1.5-3.5'	0	--
SB7S2	3.5-5.5'	13	62
SB7S3	5.5-7.5'	64	--

Sample	Depth	PID	Pb	GRO	DRO
SB20S1	1.0-3.0'	--	--	--	--
SB20S2	3.0-5.0'	0	--	--	--
SB20S3	5.0-7.0'	0	118	<10	<5

Sample	Depth	PID	Pb	GRO	DRO
SB17S1	2.5-4.5'	21	--	--	--
SB17S2	5-7'	228	136	130	3,400

Sample	Depth	PID	Pb	GRO	DRO
SB19S1	1.0-3.0'	0	--	--	--
SB19S2	3.0-5.0'	0	--	--	--
SB19S3	5.0-7.0'	0	29	<10	7

Sample	Depth	PID	Pb	GRO	DRO
SB21S1	1.0-3.0'	3	--	--	--
SB21S2	3.0-5.0'	411	25	200	140
SB21S3	5.0-7.0'	3	25	110	<5

Sample	Depth	PID	Pb	GRO	DRO
SB8S1	1.5-3.5'	660	16	1,800	11,000
SB8S2	3.5-5.5'	337	--	--	--
SB8S3	5.5-7.5'	235	--	--	--

Sample	Depth	PID	Pb
SB9S1	1.5-3.5'	0	--
SB9S2	3.5-5.5'	2	<5
SB9S3	5.5-7.5'	2	--

Sample	Depth	PID	Pb	GRO	DRO	TRPH
SB6S1	1.5-3.5'	33	--	--	--	--
SB6S2	3.5-5.5'	264	<5	110	<10	998

Sample	Depth	PID	Pb	GRO	DRO
SB27S1	1-3'	4	--	--	--
SB27S2	3-5'	12	--	--	7.0

Sample	Depth	PID	Pb	GRO	DRO
SB10S1	2.5-4.5'	0	--	--	--
SB10S2	5-7'	0	164	11	<10

Sample	Depth	PID
SB16S1	2.5-4.5'	8
SB16S2	5-7'	6

Sample	Depth	PID	Pb	GRO	DRO
SB22S1	1.0-3.0'	23	--	--	--
SB22S2	3.0-5.0'	43	35	54	280
SB22S3	5.0-7.0'	3	52	12	7

Sample	Depth	PID	Pb
SB1S1	1-2.5'	15	--
SB1S2	2.5-4'	3	--
SB1S3	4-5.5'	15	26

Sample	Depth	PID	Pb
SB11S1	2.5-4.5'	2	267
SB11S2	4.5-6.5'	0	--

Sample	Depth	PID	Pb
SB12S1	2.5-4.5'	0	65
SB12S2	5-7'	64	--

Sample	Depth	PID	Pb	GRO	DRO
SB15S1	2.5-4.5'	1	75	<10	<10
SB15S2	5-7'	1	--	--	--

Sample	Depth	PID	Pb
SB14S1	2.5-4.5'	0	<5
SB14S2	5-7'	0	--

Sample	Depth	PID	Pb
SB13S1	4-6'	0	<5

Notes:

1) Soil borings and monitoring wells installed by BT², Inc. on 1/27/93, 2/01/93, and 2/02/93.

2) Monitoring well MW5 installed by Dames and Moore.

FIGURE 2
SOIL DATA SUMMARY
RIVERSIDE PARK
PARCEL 1351-1220
BELOIT, WISCONSIN

PROJECT NO. 523	
DRAWN BY: KP / DJ	
CHECKED BY: JCK	
DRAWN: 02/94	REVISED: 02/24/99
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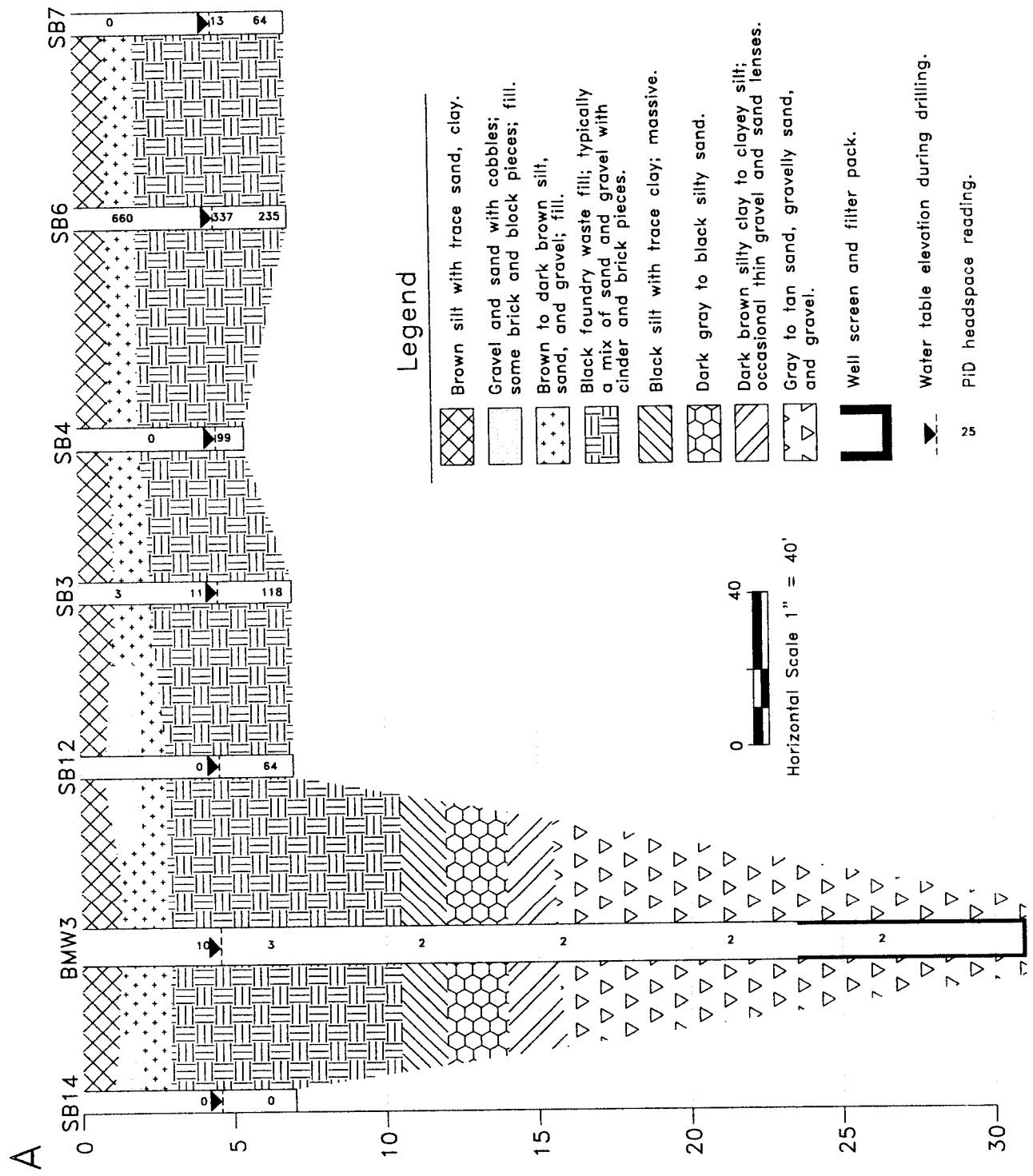
BT² inc.



PROJECT NO. 523	FIGURE 3 CROSS SECTION A–A' RIVERSIDE PARK PARCEL 1351–1220 BELOIT, WISCONSIN
DRAWN BY: KP	
CHECKED BY: RL	
DRAWN: 04/16/93	
REVISED: 08/21/00	

J:\523\XSEC-A.DWG