State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

WISCONSIN
DEPT. OF NATURAL RESOURCES

Scott McCallum, Governor
Darrell Bazzell, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region
Milwaukee Service Center
2300 N. Dr. ML King Drive, PO Box 12436
Milwaukee, Wisconsin 53212-0436
Telephone 414-263-8500
FAX 414-263-8716
TDD 414-263-8713

January 25, 2002

Ms. Laura Johnson
Environmental Engineer
Milwaukee County Department of Public Works
Environmental Services Division
City Campus Room 201
2711 West Wells Street
Milwaukee, Wisconsin 53208

SUBJECT: Request for closure of soil contamination found in berms at the "County Grounds", Milwaukee County Grounds, Wauwatosa, Wisconsin. BRRTS#02-41-267167; FID#341030690.

Dear Ms. Johnson:

We have reviewed the report entitled, "Additional Investigation Report for Parcels B, C, and D; Milwaukee County Grounds Parcels", which is dated October 23, 2001, and received by the department on December 19th, 2001. In this report, your environmental consultant, K. Singh & Associates, has requested closure for these areas on your behalf.

The areas in question have documented contamination of chlorinated solvents in the soils at the location of soil boring C-2, and polycyclic aromatic hydrocarbons (PAH's) in soil boring D-3. Subsequent soil borings and groundwater monitoring wells sufficiently document that this contamination is limited and isolated in extent and degree. Based on this information we are requiring no further action at this site for the contamination associated with C-2 and D-3, and this portion of the site is granted closure by the department and will be tracked as closed on our tracking system.

The other area of the property, B-3, is where cadmium contamination was found in the groundwater above the NR 140 enforcement standard. Though this contamination appears limited based on the data collected from monitoring wells B-3A and B-2, this portion of the site can only be closed under one of the following scenarios:

1. Since there is a groundwater enforcement standard exceedance, the forms for placing this site on the groundwater registry are filled out, and are submitted, with the required $250 fee, to the department, or enclosed
2. The groundwater is resampled at the location of B-3 for cadmium. If the groundwater sample does not have an enforcement standard exceedance for cadmium, we will close this portion of the site.

Please notify me as soon as possible as to which route you wish to pursue. If you have any questions regarding this letter, please contact me at (414) 263-8589.

Sincerely,

Gina Keenan
Hydrogeologist

cc: K. Singh & Associates, Inc.
SER case file

RECEIVED
Milw. County Dept. of Public Works
JAN 25 2002
Environmental Services Div.

Ticonic Inv. Co. to Milwaukee County

STATE OF WISCONSIN

1 - $60.00
2 - $10.00
Stamps Cancelled

This Indenture, Made this 30th day of November, A. D., 1920, between Ticonic Investment Company a Corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin, located at Milwaukee, Wisconsin, party of the first part, and Milwaukee County part y of the second part.

WITNESSETH, That the said party of the first part, for and in consideration of the sum of Eighty Thousand & no/cents Dollars ($80,000.00) to it paid by the said party of the second part, the receipt whereof is hereby confessed and acknowledged, has given, granted, bargained, sold, remised, released, aliened, conveyed and confirmed, and by these presents does give, grant, bargain, sell, remise, release, alien, convey and confirm unto the said party ies of the second part, its successors heirs and assigns forever, the following described real estate, situated in the County of Milwaukee and State of Wisconsin, to-wit: So much of the Northeast quarter (N.E. 1/4) of section numbered twenty-nine (29) of township numbered seven (7) North, of range numbered Twenty-one (21) East, more particularly described as being bounded by a line beginning at the Southeast corner of the Westerly seventy (70) acres of the Southeast quarter (S.E. 1/4) of section numbered twenty (20) in said last mentioned town and range, running thence West and along the North line of said Northeast quarter (N.E. 1/4) of section twenty-nine (29) to a point where said North line intersects the center line of the Madison, Watertown and Milwaukee Plank Road; thence Southeasterly and along said center line of said road to a point therein which is directly South of the point of beginning; thence North to the point of beginning. Also all that part of the Southeast quarter (S.E. 1/4) of section numbered nineteen (19) of township numbered seven (7) North, of range numbered twenty-one (21) East, Wauwatosa, lying East of the right of way of the Chicago, Milwaukee and St. Paul Railway Company and of the Milwaukee, Sparta and Northwestern Railway Company. Also all of the Southwest quarter (S.W. 1/4) of section numbered twenty (20) of township numbered seven (7) North of range numbered Twenty-one (21) East, Wauwatosa, lying East of the right of way of the Chicago, Milwaukee and St. Paul Railway Company. Also all of the West seventy (70) acres of the Southeast quarter (S.E. 1/4) of section numbered Twenty (20) in township numbered seven (7) North of range numbered twenty-one (21) East, Wauwatosa. Subject to all legal highways on said premises. This conveyance is made pursuant to and in fulfillment of a land contract bearing date December 1st, 1910.

TOGETHER with all and singular the hereditaments and appurtenances thereunto belonging or in any wise appertaining; and all the estate, right, title, interest, claim or demand whatsoever, of the said party of the first part, either in law or equity, either in possession or expectancy of, in and to the above bargained premises, and their hereditaments and appurtenances.

TO HAVE AND TO HOLD the said premises as above described with the hereditaments and appurtenances, unto the said party of the second part, and to its successors ~~heirs~~ and assigns FOREVER.

AND THE SAID Ticonic Investment Company party of the first part, for itself and its successors, does covenant, grant, bargain and agree to and with the said party of the second part, its successors ~~heirs~~ and assigns, that at the time of the ensealing and delivery of these presents it is well seized of the premises above described, as of a good, sure, perfect, absolute and indefeasible estate of inheritance in the law, in fee simple, and that the same are free and clear from all incumbrances whatever,

and that the above bargained premises in the quiet and peaceable possession of the said party of the second part, its successors ~~heirs~~ and assigns, against all and every person or persons lawfully claiming the whole or any part thereof, it will forever WARRANT and DEFEND, except taxes assessed since January 1, 1910.

IN WITNESS WHEREOF, the said Ticonic Investment Company party of the first part, has caused these presents to be signed by James K. Ilsley its Vice President, and countersigned by T. L. Richardson, its Secretary, at Milwaukee, Wisconsin, and its corporate seal to be hereunto affixed, this 30th day of November A. D., 1920.

Signed and Sealed in Presence of

Thora Holman

Perry J. Stearns

Imp. Corporate Seal

Ticonic Investment Company
Corporate Name

By James K. Ilsley Vice President

COUNTERSIGNED:

T. L. Richardson
Secretary

STATE OF WISCONSIN, Milwaukee County. } ss.

Personally came before me, this 1st day of December, A. D., 1920, James K. Ilsley Vice President, and T. L. Richardson Secretary of the above named Corporation, to me known to be the persons who executed the foregoing instrument, and to me known to be such Vice President and Secretary of said Corporation, and acknowledged that they executed the foregoing instrument as such officers as the deed of said Corporation, by its authority.

Received for record this 2 day of Dec. A. D., 1920, at 9.30 o'clock A. M.

Richard Elsner, Register.

Imp. Notarial Seal

Perry J. Stearns
Notary Public, Milwaukee County, Wis.

My Commission expires July 22 A. D., 1924

No. 1068952

Approved as to form and execution Dec 1st 1920 William L. Tibbs Asst. Dist. Atty.

Filed Clerk's Office Dec 2 1920 George Hampel

B. M. Weil & w. TO Milwaukee County.

[76—WARRANTY DEED.—1.]

H. KOHLER & Co., Law & Stationery, Milwaukee

Number

This Indenture, Made this sixth day of January in the year of our Lord one thousand eight hundred and eighty six BETWEEN Benjamin M. Weil and Sarah Weil his wife, of the city and county of Milwaukee, State of Wisconsin

parties of the first part, and

Milwaukee County

party of the second part,

Witnesseth, That the said parties of the first part, for and in consideration of the sum of Fifteen thousand three hundred dollars ($15300.00) Dollars to them in hand paid, by the said party of the second part, the receipt whereof is hereby confessed and acknowledged, has given, granted, bargained, sold, remised, released, aliened, conveyed and confirmed, and by these presents do give, grant, bargain, sell, remise, release, alien, convey and confirm, unto the said party of the second part, and its ~~heirs and~~ assigns forever,

the following described real estate, situated in the county of Milwaukee and State of Wisconsin, to wit: The East Ninety (90) acres of land of the Southeast quarter of Section number Twenty (20) Township number Seven (7) Range Twenty one (21) East, Milwaukee County, State of Wisconsin.

TOGETHER with all and singular the hereditaments and appurtenances thereunto belonging, or in any wise appertaining; and all the estate, right, title, interest, claim, or demand whatsoever, of the said parties of the first part, either in Law or Equity, either in possession or expectancy of, in and to, the above bargained premises, and their Hereditaments and Appurtenances. TO HAVE AND TO HOLD the said premises as above described, with the Hereditaments and Appurtenances, unto the said party of the second part, and to its ~~heirs and~~ assigns forever.

AND THE SAID Benjamin M. Weil and Sarah Weil for themselves their heirs, executors and administrators, do covenant, grant bargain and agree, to and with the said party of the second part, and its ~~heirs and~~ assigns, that at the time of the ensealing and delivery of these presents they are well seized of the premises above described, as of a good, sure, perfect, absolute and indefeasible estate of inheritance in the law, in fee simple, and that the same are free and clear from all incumbrances whatever and that the above bargained premises, in the quiet and peaceable possession of the said party of the second part, or its ~~heirs and~~ assigns, against all and every person or persons lawfully claiming the whole or any part thereof they will forever WARRANT AND DEFEND.

IN WITNESS WHEREOF, The said parties of the first part have hereunto set their hand and seal the day ~~and year first above written.~~ this 15th day of January A. D. 1886

Signed, Sealed and Delivered in Presence of

Henry Petersen.
Wm Kannheimer.

Benjamin M. Weil. [SEAL]
Sarah Weil. [SEAL]
[SEAL]

State of Wisconsin,
~~County of~~ Milwaukee County } ss.

~~BE IT REMEMBERED, That on the~~ Personally came before me, this 15th day of January A. D. 1886, ~~personally came before me~~ the above named Benjamin M. Weil and Sarah Weil, his wife, to me known to be the persons who executed the foregoing instrument ~~deed~~, and acknowledged the same, ~~to be their free act and deed, for the uses and purposes therein mentioned.~~

Herman Weil, Notary Public, Milwaukee Co. Wis.

Not. SEAL.

Received for Record at 2 34 o'clock P. M. June 15th A. D. 1886

Register.

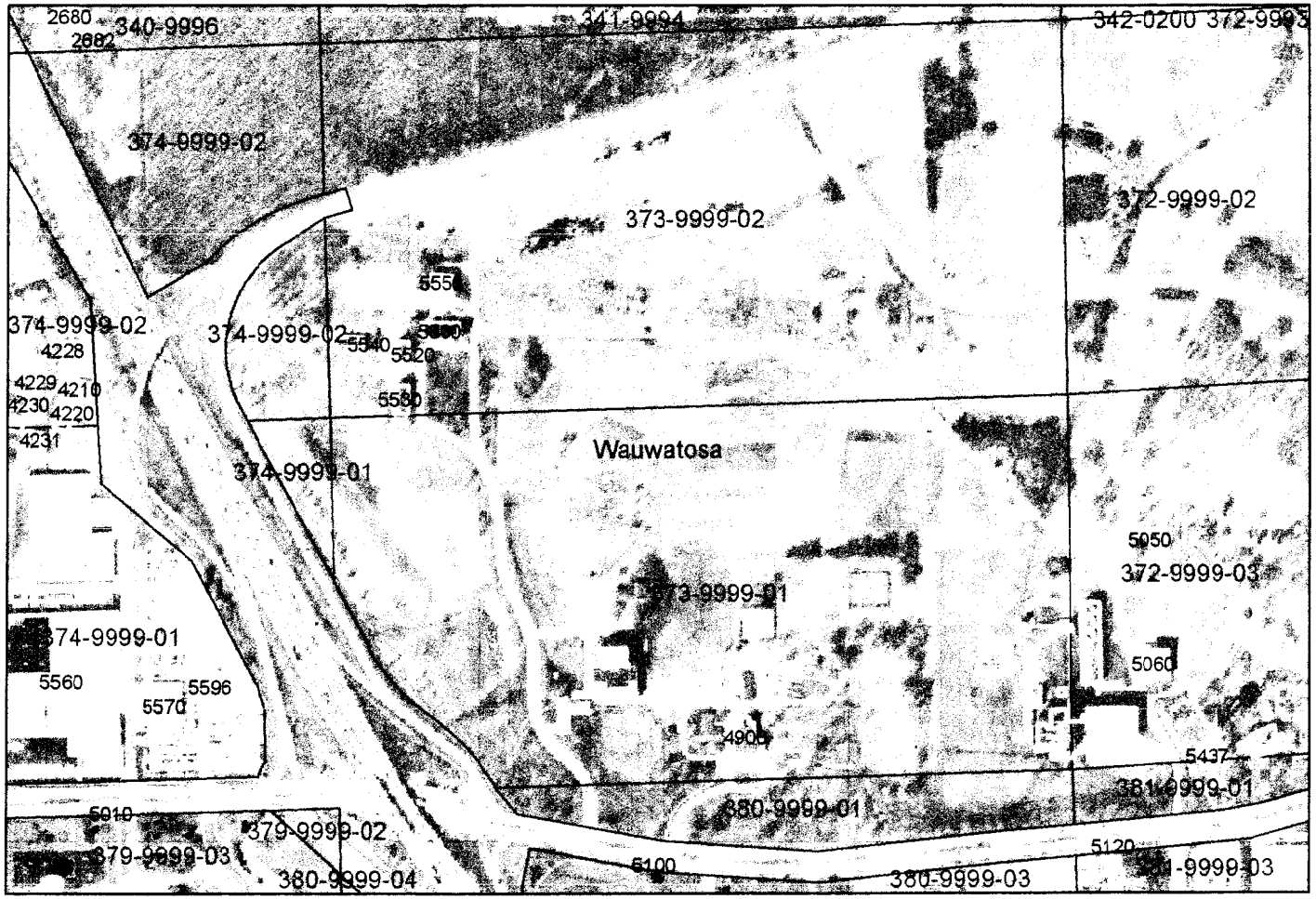
No. 55547

Parcel identification numbers:
(also see attached sheet)

373-9999-01

373-9999-02

374-9999-01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2682
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341-9994
342-0200
372-9993
374-9999-02
373-9999-02
372-9999-02
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5540
5520
4228
4229
4210
4230
4220
4231
5580
Wauwatosa
374-9999-01
5050
372-9999-03
373-9999-01
374-9999-01
5060
5560
5596
5570
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5437
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5100
380-9999-03
381-9999-03

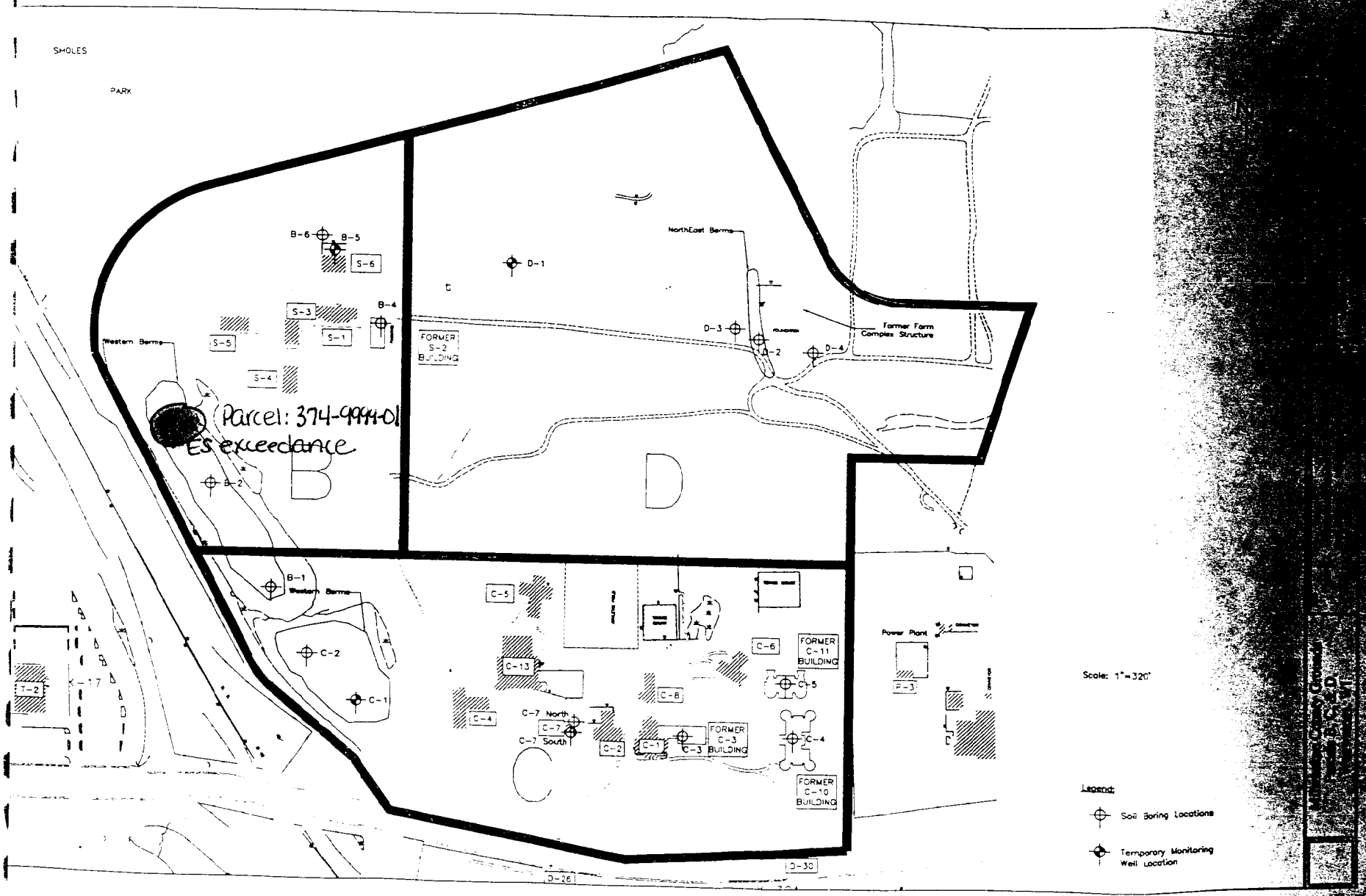

SHOLES
PARK
B-6
B-5
S-6
B-4
S-3
S-1
S-5
S-4
Western Berms
FORMER S-2 BUILDING
D-1
NorthEast Berms
D-3
D-2
D-4
Former Farm Complex Structure
Parcel: 374-9994-01
ES exceedance
B
D
B-2
B-1
Western Berms
C-2
C-1
C-5
C-13
C-4
C-7 North
C-7
C-7 South
C-2
C-1
C-3
FORMER C-3 BUILDING
C-8
C-6
FORMER C-11 BUILDING
C-5
C-4
FORMER C-10 BUILDING
C
Power Plant
P-3
T-2
D-26
D-30
Scale: 1"=320'
Legend:
Soil Boring Locations
Temporary Monitoring Well Location

Table 2
Summary of Groundwater Quality Test Results
Milwaukee County Grounds Phase III Investigation

Sampling Location	C-2B	C-2C	B-3A	D-3A	D-3B	D-3C	NR 140 PAL	NR 140 ES
Sampling Date	07/27/01	07/27/01	07/27/01	07/03/01	07/03/01	07/03/01		
Dissolved RCRA Metals								
Arsenic(mg/l)	<0.05	<0.05	< 0.05	<0.05	< 0.05	< 0.05	0.005	0.05
Barium(mg/l)	< 0.5	<0.5	< 0.5	<0.5	< 0.5	< 0.5	0.4	2
Cadmium(mg/l)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0005	0.005
Chromium(mg/l)	< 0.01	<0.01	<0.01	<0.01	< 0.01	< 0.01	0.01	0.1
Lead(mg/l)	< 0.005	<0.005	< 0.005	<0.005	< 0.005	< 0.005	0.0015	0.015
Mercury(mg/l)	< 0.0002	<0.0002	< 0.0002	<0.0002	< 0.002	< 0.002	0.0002	0.002
Selenium(mg/l)	< 0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.01	0.05
Silver(mg/l)	< 0.05	<0.05	< 0.05	<0.05	< 0.05	< 0.05	0.01	0.05
Volatile Organic Compounds (VOCs)								
Benzene (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.5	5
Bromobenzene (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	---	---
Bromodichloromethane (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.06	0.6
n-Butylbenzene (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	---	---
sec-Butylbenzene (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	---	---
tert-Butylbenzene (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	---	---
Carbon tetrachloride (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.5	5
Chlorobenzene (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	---	---
Chloroethane (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	80	400
Chloroform (ug/l)	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	0.6	6
Chloromethane (ug/l)	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	0.3	3
2-Chlorotoluene (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	---	---
4-Chlorotoluene (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	---	---
Dibromochloromethane (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	6	60
1,2-Dibromo-3-chloropropane (ug/l)	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	0.02	0.2
1,2-Dibromoethane (ug/l)	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	0.005	0.05
1,2-Dichlorobenzene (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	60	600
1,3-Dichlorobenzene (ug/l)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	125	1,250
1,4-Dichlorobenzene (ug/l)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	15	75
Dichlorodifluoromethane (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	200	1,000
1,1-Dichloroethane (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	85	850
1,2-Dichloroethane (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.5	5
1,1-Dichloroethene (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	---	---
cis-1,2-Dichloroethene (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	---	---
trans-1,2-Dichloroethene (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	---	---
1,2-Dichloropropane (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.5	5
1,3-Dichloropropane (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	---	---
2,2-Dichloropropane (ug/l)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---	---
Di-isopropyl ether (ug/l)	<5	<5	<5	<5	<5	<5	---	---
Ethylbenzene (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	140	700
Hexachlorobutadiene (ug/l)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	---	---
Isopropylbenzene (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	---	---
p-Isopropyltoluene (ug/l)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---	---
Methylene chloride (ug/l)	< 0.53	< 0.53	0.572	<0.53	<0.53	<0.53	0.5	5
Methyl-tert-butyl-ether (ug/l)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	12	60
Naphthalene (ug/l)	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	8	40

Table 2
Summary of Groundwater Quality Test Results
Milwaukee County Grounds Phase III Investigation

Sampling Location	C-2B	C-2C	B-3A	D-3A	D-3B	D-3C	NR 140 PAL	NR 140 ES
Sampling Date	07/27/01	07/27/01	07/27/01	07/03/01	07/03/01	07/03/01		
Volatile Organic Compounds (VOCs)								
1,1,2,2-Tetrachloroethane (ug/l)	< 0.35	<0.35	< 0.35	< 0.35	< 0.35	< 0.35	0.02	0.2
Tetrachloroethene (ug/l)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---	---
n-Propylbenzene (ug/l)	< 0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---	---
1,1,2,2-Tetrachloroethane (ug/l)	< 0.35	<0.35	< 0.35	< 0.35	< 0.35	< 0.35	0.02	0.2
Toluene (ug/l)	< 0.5	<0.5	< 0.5	< 0.5	< 0.5	< 0.5	68.6	343
1,2,3-Trichlorobenzene (ug/l)	< 2.0	<2.0	<2.0	<2.0	<2.0	<2.0	---	---
1,2,4-Trichlorobenzene (ug/l)	< 2.0	<2.0	<2.0	<2.0	<2.0	<2.0	14	70
1,1,1-Trichloroethane (ug/l)	< 0.5	<0.5	<0.5	<0.5	<0.5	<0.5	40	200
1,1,2-Trichloroethane (ug/l)	< 0.16	<0.16	<0.16	<0.16	<0.16	<0.16	0.5	5
Trichloroethene (ug/l)	< 0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---	---
Trichlorofluoromethane (ug/l)	< 0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---	---
1,2,4-Trimethylbenzene (ug/l)	< 1.0	<1.0	<1.0	<1.0	<1.0	<1.0	96	480
1,3,5-Trimethylbenzene (ug/l)	< 1.0	<1.0	<1.0	<1.0	<1.0	<1.0	96	480
Vinyl chloride (ug/l)	< 0.17	<0.17	<0.17	<0.17	<0.17	<0.17	0.02	0.2
Total Xylenes (ug/l)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	124	620
Polycyclic Aromatic Hydrocarbons (PAH)								
acenaphthene (ug/l)	---	---	---	<5	<5	<5	---	---
acenaphthylene (ug/l)	---	---	---	<5	<5	<5	---	---
anthracene (ug/l)	---	---	---	<5	<5	<5	600	3,000
benzo (a) anthracene (ug/l)	---	---	---	<0.1	<0.1	<0.1	---	---
benzo (b) fluoranthene (ug/l)	---	---	---	<0.02	<0.02	<0.02	0.02	0.2
benzo (k) fluoranthene (ug/l)	---	---	---	<0.1	<0.1	<0.1	---	---
benzo (a) pyrene (ug/l)	---	---	---	<0.02	<0.02	<0.02	0.02	0.2
benzo (g,h,i) perylene (ug/l)	---	---	---	<5	<5	<5	---	---
chrysene (ug/l)	---	---	---	<0.02	<0.02	<0.02	0.02	0.2
dibenzo (a,h) anthracene (ug/l)	---	---	---	<0.1	<0.1	<0.1	---	---
fluoranthene (ug/l)	---	---	---	<5	<5	<5	80	400
fluorene (ug/l)	---	---	---	<5	<5	<5	80	400
indeno (1,2,3-cd) pyrene (ug/l)	---	---	---	<0.2	<0.2	<0.2	---	---
1-Methylnaphthalene (ug/l)	---	---	---	<5	<5	<5	---	---
2-Methylnaphthalene (ug/l)	---	---	---	<5	<5	<5	---	---
naphthalene (ug/l)	---	---	---	<5	<5	<5	8	40
phenanthrene (ug/l)	---	---	---	<5	<5	<5	---	---
pyrene (ug/l)	---	---	---	<5	<5	<5	50	250

NR 140 PAL - Preventative Action Limits, Wisconsin Administrative Code
NR 140 ES - Enforcement Standard, Wisconsin Administrative Code

Table 3
Summary of Groundwater Quality Test Results
Milwaukee County Grounds Phase II ESA

Sampling Location	D-1*	B-5	B-3 North Berm	C-1 South Berm	Field Blank	Trip Blank	NR 140 PAL	NR 140 ES
Sampling Date	09/06/00**	09/06/00**	09/06/00**	09/06/00**	09/12/00	09/06/00		
Dissolved RCRA Metals								
Arsenic(mg/l)	<0.05	<0.05	< 0.05	<0.05	< 0.05	---	0.005	0.05
Barium(mg/l)	< 0.5	<0.5	< 0.5	<0.5	< 0.5	---	0.4	2
Cadmium(mg/l)	<0.005	<0.005	**0.00678**	<0.005	<0.005	---	0.0005	0.005
Chromium(mg/l)	< 0.01	<0.01	<0.01	<0.01	< 0.01	---	0.01	0.1
Lead(mg/l)	< 0.005	<0.005	< 0.005	<0.005	< 0.005	---	0.0015	0.015
Mercury(mg/l)	< 0.0002	<0.0002	< 0.0002	<0.0002	< 0.002	---	0.0002	0.002
Selenium(mg/l)	< 0.05	<0.05	<0.05	<0.05	<0.05	---	0.01	0.05
Silver(mg/l)	< 0.05	<0.05	< 0.05	<0.05	< 0.05	---	0.01	0.05
Volatile Organic Compounds (VOCs)								
Benzene (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	---	< 0.5	0.5	5
Bromobenzene (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	---	< 0.5	---	---
Bromodichloromethane (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	---	< 0.5	0.06	0.6
n-Butylbenzene (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	---	< 0.5	---	---
sec-Butylbenzene (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	---	< 0.5	---	---
tert-Butylbenzene (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	---	< 0.5	---	---
Carbon tetrachloride (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	---	< 0.5	0.5	5
Chlorobenzene (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	---	< 0.5	---	---
Chloroethane (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	---	< 0.5	80	400
Chloroform (ug/l)	< 0.14	< 0.14	< 0.14	< 0.14	---	< 0.14	0.6	6
Chloromethane (ug/l)	< 0.6	< 0.6	< 0.6	< 0.6	---	< 0.6	0.3	3
2-Chlorotoluene (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	---	< 0.5	---	---
4-Chlorotoluene (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	---	< 0.5	---	---
Dibromochloromethane (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	---	< 0.5	6	60
1,2-Dibromo-3-chloropropane (ug/l)	< 0.39	< 0.39	< 0.39	< 0.39	---	< 0.39	0.02	0.2
1,2-Dibromoethane (ug/l)	< 0.38	< 0.38	< 0.38	< 0.38	---	< 0.38	0.005	0.05
1,2-Dichlorobenzene (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	---	< 0.5	60	600
1,3-Dichlorobenzene (ug/l)	<0.5	<0.5	<0.5	<0.5	---	<0.5	125	1,250
1,4-Dichlorobenzene (ug/l)	<0.5	<0.5	<0.5	<0.5	---	<0.5	15	75
Dichlorodifluoromethane (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	---	< 0.5	200	1,000
1,1-Dichloroethane (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	---	< 0.5	85	850
1,2-Dichloroethane (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	---	< 0.5	0.5	5
1,1-Dichloroethene (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	---	< 0.5	---	---
cis-1,2-Dichloroethene (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	---	< 0.5	---	---
trans-1,2-Dichloroethene (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	---	< 0.5	---	---
1,2-Dichloropropane (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	---	< 0.5	0.5	5
1,3-Dichloropropane (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	---	< 0.5	---	---
2,2-Dichloropropane (ug/l)	<0.5	<0.5	<0.5	<0.5	---	<0.5	---	---
Di-isopropyl Ether (ug/l)	<5	<5	<5	<5	---	<5	---	---
Ethylbenzene (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	---	< 0.5	140	700
Hexachlorobutadiene (ug/l)	< 5.0	< 5.0	< 5.0	< 5.0	---	< 5.0	---	---
Isopropylbenzene (ug/l)	< 0.5	< 0.5	< 0.5	< 0.5	---	< 0.5	---	---
p-Isopropyltoluene (ug/l)	0.88	<0.5	<0.5	<0.5	---	<0.5	---	---
Methylene chloride (ug/l)	< 0.53	< 0.53	0.572	<0.53	---	1.99	0.5	5
Methyl-tert-butyl-ether (ug/l)	<0.5	<0.5	<0.5	<0.5	---	<0.5	12	60
Naphthalene (ug/l)	< 2.0	< 2.0	< 2.0	< 2.0	---	< 2.0	8	40

Table 3
Summary of Groundwater Quality Test Results
Milwaukee County Grounds Phase II ESA

Sampling Location	D-1*	B-5	B-3 North Berm	C-1 South Berm	Field Blank	Trip Blank	NR 140 PAL	NR 140 ES
Sampling Date	09/06/00**	09/06/00**	09/06/00**	09/06/00**	09/12/00	09/06/00		
Volatile Organic Compounds (VOCs) / Continued								
1,1,2,2-Tetrachloroethane (ug/l)	< 0.35	<0.35	< 0.35	< 0.35	---	< 0.35	0.02	0.2
Tetrachloroethene (ug/l)	<0.5	<0.5	<0.5	<0.5	---	<0.5	---	---
n-Propylbenzene (ug/l)	< 0.5	<0.5	<0.5	<0.5	---	<0.5	---	---
1,1,2,2-Tetrachloroethane (ug/l)	< 0.35	<0.35	< 0.35	< 0.35	---	< 0.35	0.02	0.2
Toluene (ug/l)	< 0.5	<0.5	< 0.5	< 0.5	---	< 0.5	68.6	343
1,2,3-Trichlorobenzene (ug/l)	< 2.0	<2.0	<2.0	<2.0	---	<2.0	---	---
1,2,4-Trichlorobenzene (ug/l)	< 2.0	<2.0	<2.0	<2.0	---	<2.0	14	70
1,1,1-Trichloroethane (ug/l)	< 0.5	<0.5	<0.5	<0.5	---	<0.5	40	200
1,1,2-Trichloroethane (ug/l)	< 0.16	<0.16	<0.16	<0.16	---	<0.16	0.5	5
Trichloroethene (ug/l)	< 0.5	<0.5	<0.5	<0.5	---	<0.5	---	---
Trichlorofluoromethane (ug/l)	< 0.5	<0.5	<0.5	<0.5	---	<0.5	---	---
1,2,4-Trimethylbenzene (ug/l)	< 1.0	<1.0	<1.0	<1.0	---	<1.0	96***	480***
1,3,5-Trimethylbenzene (ug/l)	< 1.0	<1.0	<1.0	<1.0	---	<1.0	96***	480***
Vinyl chloride (ug/l)	< 0.17	<0.17	<0.17	<0.17	---	<0.17	0.02	0.2
Total Xylenes (ug/l)	<0.5	<0.5	<0.5	<0.5	---	<0.5	124	620
Polycyclic Aromatic Hydrocarbons (PAH)								
acenaphthene (ug/l)	<11.1	<9.78	<8.2	<16.0	---	---	---	---
acenaphthylene (ug/l)	<8.89	<7.83	<6.56	<12.8	---	---	---	---
anthracene (ug/l)	<0.444	<0.391	<0.328	<0.641	---	---	600	3,000
benzo (a) anthracene (ug/l)	<0.0222	<0.0196	<0.0164	0.126	---	---	---	---
benzo (b) fluoranthene (ug/l)	<0.0444	<0.0391	<0.0328	**0.109**	---	---	0.02	0.2
benzo (k) fluoranthene (ug/l)	<0.0222	<0.0196	<0.0164	0.0588	---	---	---	---
benzo (a) pyrene (ug/l)	<0.0444	<0.0391	<0.0328	**0.125**	---	---	0.02	0.2
benzo (g,h,i) perylene (ug/l)	<0.133	<0.117	<0.0984	<0.10	---	---	---	---
chrysene (ug/l)	<0.111	<0.0978	<0.0820	**0.174**	---	---	0.02	0.2
dibenzo (a,h) anthracene (ug/l)	<0.0444	<0.0391	<0.0328	<0.0641	---	---	---	---
fluoranthene (ug/l)	<2.22	<1.96	<1.64	<3.21	---	---	80	400
fluorene (ug/l)	<2.22	<1.96	<1.64	<3.21	---	---	80	400
indeno (1,2,3-cd) pyrene (ug/l)	<0.889	<0.783	<0.656	<1.28	---	---	---	---
1-Methylnaphthalene (ug/l)	<5.67	<5.87	<4.92	<9.62	---	---	---	---
2-Methylnaphthalene (ug/l)	<5.67	<5.87	<4.92	<9.62	---	---	---	---
naphthalene (ug/l)	<5.67	<5.87	<4.92	<9.62	---	---	8	40
phenanthrene (ug/l)	<0.667	<0.587	<0.492	<0.962	---	---	---	---
pyrene (ug/l)	<2.22	<1.96	<1.64	<3.21	---	---	50	250

* Monitoring Well D-1 is a background well.

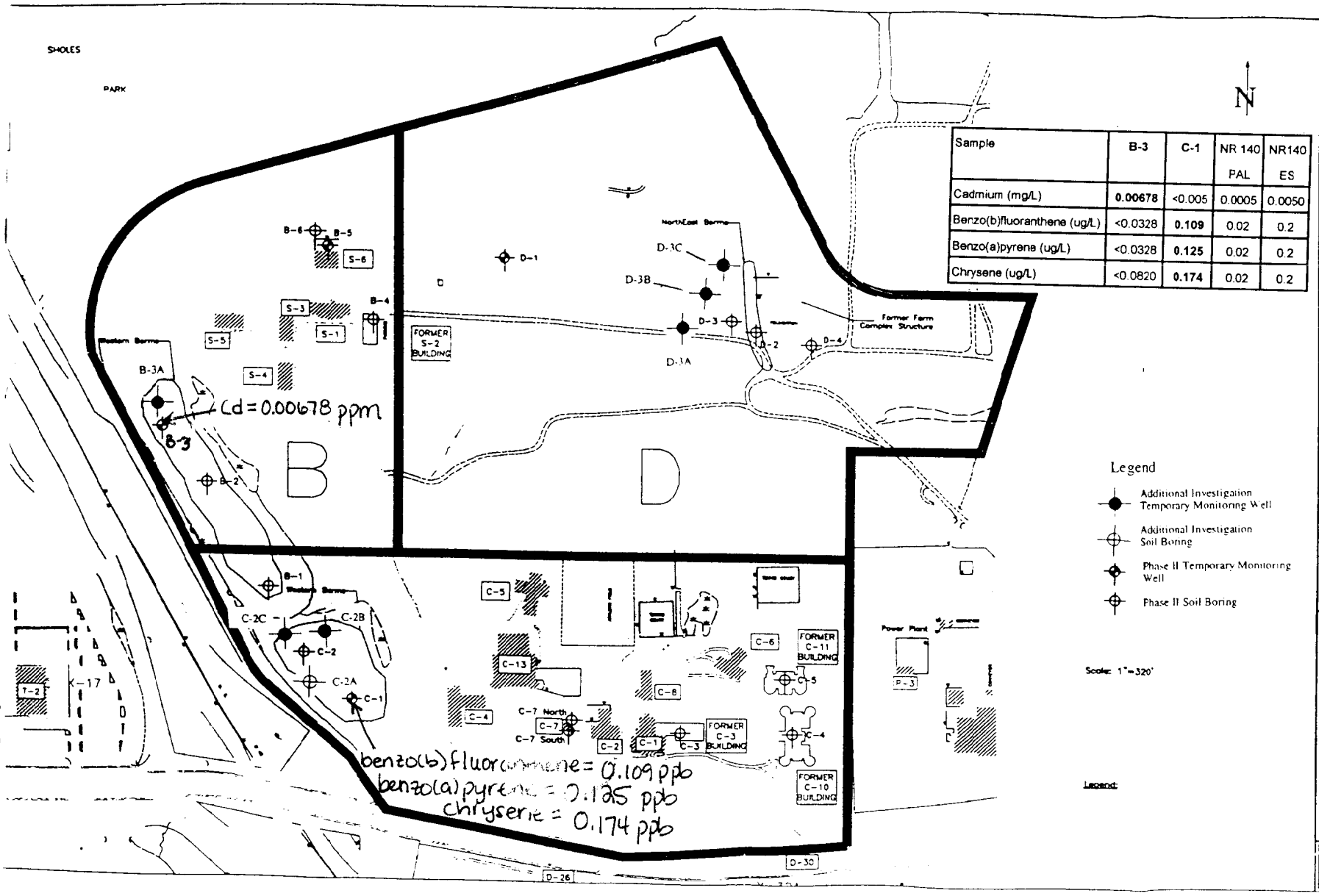
** VOCs for D-1, B-5, B-3, and C_1 collected on 09/06/00. PAH for B-5 collected 09/06/00.
RCRA Metals for all wells collected on 09/12/00. PAH for D-1, B-3, and C-1 collected on 09/12/00.

*** Combined ES/PAL for 1,2,4-TMB and 1,3,5-TMB

Note: Methylene Chloride is a common laboratory artifact and may not be representative of actual groundwater quality.

NR 140 PAL - Preventative Action Limits, Wisconsin Administrative Code

NR 140 ES - Enforcement Standard, Wisconsin Administrative Code



Sample	B-3	C-1	NR 140 PAL	NR140 ES
Cadmium (mg/L)	**0.00678**	<0.005	0.0005	0.0050
Benzo(b)fluoranthene (ug/L)	<0.0328	**0.109**	0.02	0.2
Benzo(a)pyrene (ug/L)	<0.0328	**0.125**	0.02	0.2
Chrysene (ug/L)	<0.0820	**0.174**	0.02	0.2

K. Singh & Associates, Inc.

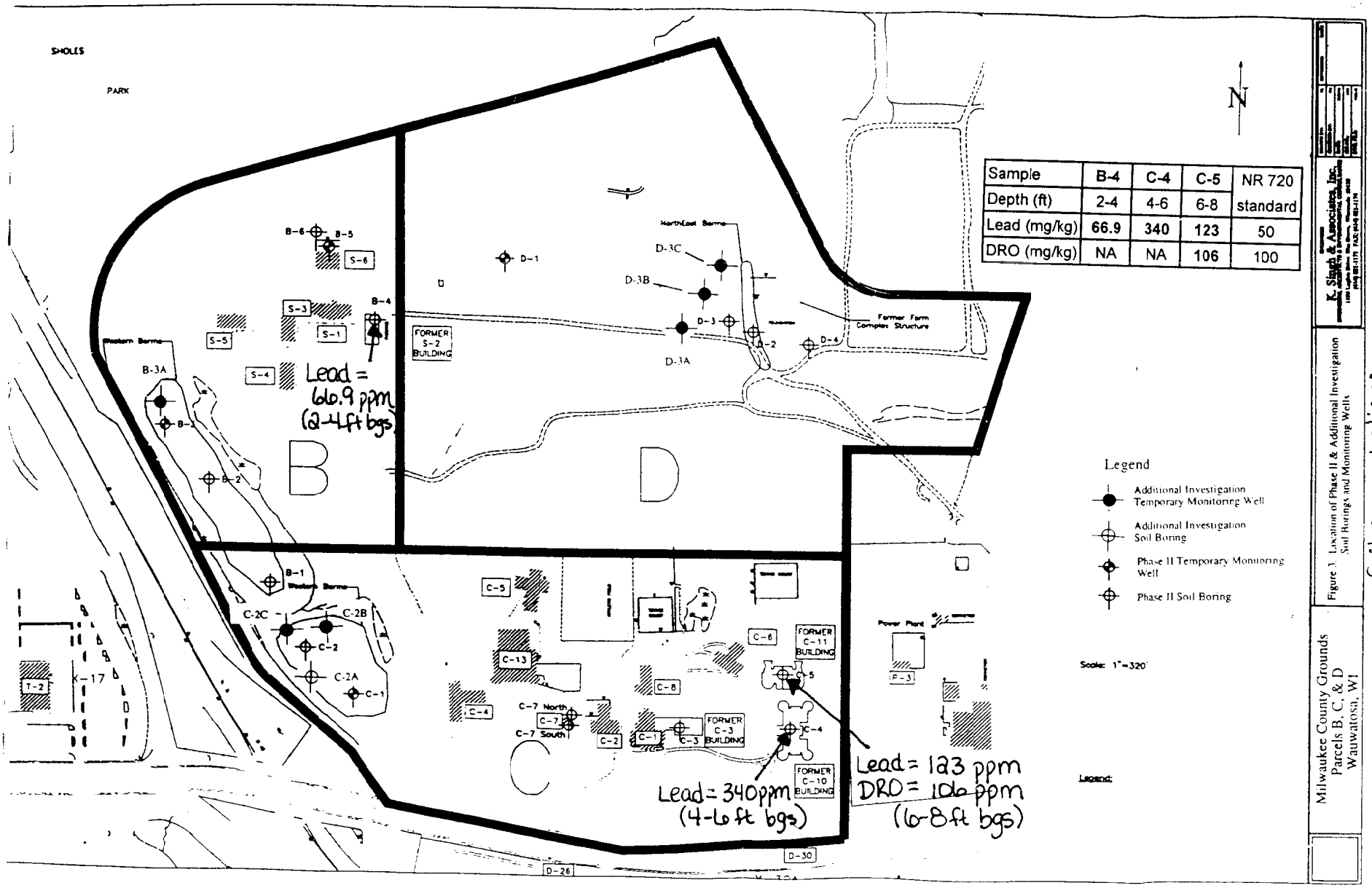
Figure 3 Location of Phase II & Additional Investigation Soil Borings and Monitoring Wells

Milwaukee County Grounds
Parcels B, C, & D
Wauwatosa, WI

Groundwater concentrations above NR 140 standards

Gw level measurements
County Grounds NE Quadant
Date sampled: 8/31/2000

Monitoring well no.	Depth of well from top of casing (feet)	Depth to water (feet)
D-1	20.92	19.68
B-5	10.76	6.74
B-3	19.84	18.16
C-1	20.9	18.6



Sample	B-4	C-4	C-5	NR 720
Depth (ft)	2-4	4-6	6-8	standard
Lead (mg/kg)	66.9	340	123	50
DRO (mg/kg)	NA	NA	106	100

Soil concentrations above NR700 standards

DEPARTMENT OF PUBLIC WORKS

Milwaukee County

DAVID A. NOVAK, P.E. • DIRECTOR
• HIGHWAY COMMISSIONER

November 19, 2002

Ms. Michelle Williams
Wisconsin Dept. of Natural Resources
Southeast Region Headquarters
2300 N. Dr. Martin Luther King, Jr. Dr.
PO Box 12436
Milwaukee, WI 53212-0436

Re: Legal Descriptions - Milwaukee County Grounds, NE Quadrant
FID: 341030690 **BRRTS**: 02-41-267167

Dear Ms. Williams:

I believe that the legal descriptions, as described in the attached two deed documents, are complete and accurately reflect the correct contaminated County Grounds property.

If you have any questions or need additional information, please call me at (414) 278-4891.

Sincerely,

Laura Johnson

Laura Johnson, EIT
Project Manager

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MILWAUKEE COUNTY-CITY CAMPUS • 2711 WEST WELLS STREET • MILWAUKEE, WI 53208
FAX NUMBERS: Director's Office 223-1899 • Architecture & Engineering 223-1366 • Transportation 223-1350
Administrative Support Services 223-1803