GIS REGISTRY INFORMATION

SITE NAME:	City of Milwaukee Forestry HQ
BRRTS # and FID #:	**03-41-002037, 241457590**
CLOSURE DATE:	06/24/2003
STREET ADDRESS:	5230 West State Street
CITY:	Milwaukee
SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection):	**X=** 684541 **Y=** 287779

OFF-SOURCE CONTAMINATION (>ES): [X] **Yes** [ ] **No**
(if there are more than 2 off-source properties, make a note and attach additional sheet(s))

IF YES, STREET ADDRESS 1:

GPS COORDINATES (meters in WTM91 projection): **X=** 684479 **Y=** 287853

IF YES, STREET ADDRESS 2:

GPS COORDINATES (meters in WTM91 projection): **X=** **Y=**

CONTAMINATION IN RIGHT OF WAY: [ ] **Yes** [x] **No**

CONTAMINATED MEDIA: (Groundwater, Soil or Both?)

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	x
County Parcel ID number, *if used for county*, for all affected properties	x
Location Map which outlines all properties within contaminated site boundaries in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy)	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)	x
Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)	x
Isoconcentration map(s), *if available from site investigation (SI)* (8.5x14" if paper copy). The isoconcentration map should have flow direction and extent of contamination defined. **If not available, include the following 2 types of maps:**	x
Latest groundwater flow/monitoring well location map	x
Latest extent of contaminant plume map	x
Geologic cross-sections, *if available from SI.* (8.5x14' if paper copy)	na
RP certified statement that legal descriptions are complete and accurate	x
Copies of off-source notification letters (if applicable)	x
Letter informing ROW owner of residual contamination (if applicable)	na
Copy of (soil or land use) deed restriction(s) or deed notice *if any required as a condition of closure.*	na

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region Headquarters
2300 N. Dr. Martin Luther King, Jr. Drive
P O Box 12436
Milwaukee, Wisconsin 53212-0436
Telephone 414-263-8500
FAX 414-263-8483
TTY 414-263-8713

June 24, 2003

Mr. Dennis Nelson
City of Milwaukee, Room 311
841 North Broadway
Milwaukee, WI 53202

Subject: Final Closure for City of Milwaukee Forestry Service HQ, 5230 W. State Street, Milwaukee, WI

FID: 241457590
BRRTS: 03-41-002037 and 03-41-004501

Dear Mr. Nelson:

On February 2, 2000 your site, as described above, was reviewed for closure by the Southeast Region Closure Committee. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On February 2, 2000, you were notified that the committee had granted conditional closure to this case.

On May 30, 2003, the Department received correspondence indicating that you have complied with the conditions of closure. Based on the correspondence and data provided, it appears that your case has been remediated to Department standards in accordance with s. NR 726.05 Wis. Admin. Code. The Department considers this case closed and no further investigation, remediation, or other action is required at this time.

Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information was submitted with your closure request application will be included on the registry. To review the sites on the GIS Registry web page, visit:

http://gomapout.dnr.state.wi.us/org/at/et/geo/gwur/index.htm

Residual Soil Contamination

As stated in my letter dated February 2, 2000, the Department is including the following pertaining to the residual soil contamination left onsite that is part of this closure letter. This documents post-remediation site conditions that the Closure Committee has determined appropriate for this case as a discretionary decision that minimal residual contamination has been measured during final soil sampling at the site which does not require a deed instrument. This detailed description below simply serves as notice that contamination and contaminates of concern remain onsite and appropriate action must be taken to prevent exposure if the area is exposed in the future. Also, this letter simply serves as notice to future landowners that the residual contamination and contaminates of concern exists. This letter notes that if soil contamination becomes accessible and is excavated in the future, that it should be considered a solid waste and should be handled accordingly. Enclosed is a Post Excavation/Soil Quality map and associated Table 1 for the areas described below:

- Post excavation soil laboratory analytical results indicate diesel range organics (DRO) above generic residual contaminant levels at location 7SSW4-feet (203 ppm) and 8ESW4-feet (115 ppm).

- Benzene at location 5Base8-feet equal to 0.055 ppm (55 ppb) that above ch. NR 720 Table 1 residual contaminant levels based on the protection of groundwater.

Contaminates of concern that are reportable, but have no soil standard at this time, for the protection of human health, welfare, or the environment include:

- Trichloroethene located at 1Base7-feet (26.77 ppm), 2NSW4-feet (0.87 ppm), 3WSW4-feet (0.09 ppm), 4ESW4-feet (0.956 ppm), 5Base8-feet (0.031 ppm), 6WSW4-feet (0.618 ppm), 7SSW4-feet (0.028 ppm), and 8ESW4-feet (0.057 ppm).

- Cis-1,2-dichloroethene located at 5Base8-feet (0.768 ppm).

- Vinyl chloride located at 5Base8-feet (0.042 ppm).

- Trichlorofluoromethane located at 6WSW4-feet (0.048 ppm).

- 2,2-Dichloropropane located at 5Base8-feet (0.768 ppm).

If this is a PECFA site, section 101.43 Wis. Statutes requires that PECFA claimants seeking reimbursement of interest costs, for sites with petroleum contamination, submit a final reimbursement claim within 120-days after they receive a closure letter on their site. For claims not received by the PECFA Program within 120-days of the date of this letter, interest costs after 60-days of the date of this letter will not be eligible for PECFA reimbursement. If there is equipment purchased with PECFA funds remaining at the site, contact the Commerce PECFA Program to determine the method for salvaging the equipment.

Please be aware that this case maybe reopened pursuant to s. NR 726.09, Wis. Admin. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety or welfare, or the environment.

The Department appreciates the actions you have taken to investigate and remediate the contamination at this site. If you have any questions or comments, please feel free to contact me at the above address or at (414) 263-8644. Please refer to the FID number at the top of this letter in any future correspondence. Future correspondence should be sent directly to the Remediation and Redevelopment Program Assistant Vicky Stovall (414-263-8680) at the above address.

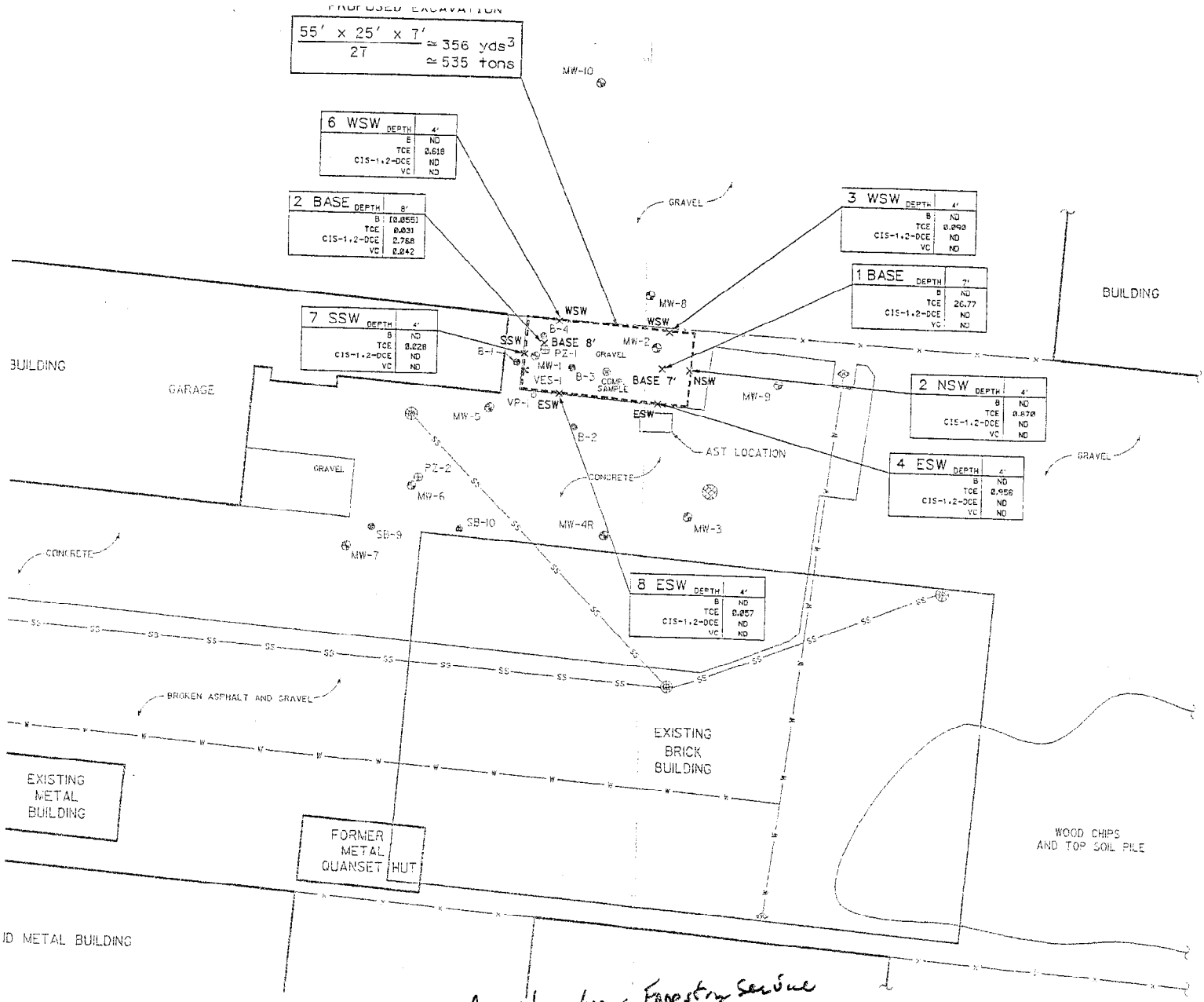
Sincerely,

John J. Hnat

John J. Hnat
Hydrogeologist
Remediation and Redevelopment

Enclosures: Post Excavation/Soil Quality Map
Table 1, Post Excavation Soil Laboratory Analytical Results

C: Mary Clifford/Joshua Neudorfer, Sigma Environmental
WDNR SER Files



City of Milwaukee Forestry Service

Post Excavation/Soil quality

MAP (9.2.99)

Fig 3

Drawing # 4136-010

TABLE 1
POST EXCAVATION SOIL LABORATORY ANALYTICAL RESULTS
City of Milwaukee - Forestry Service
Milwaukee, Wisconsin
Project Reference #4631

Analyte	Units	1 Base 7'	2 NSW 4'	3 WSW 4'	4 ESW 4'	5 Base 8'	6 WSW 4'	7 SSW 4'	8 ESW 4'	RCL
		09/02/98	09/02/98	09/02/98	09/02/98	09/02/98	09/02/98	09/02/98	09/02/98	
DRO	mg/kg	15.5	<5.8	<5.8	5.92	12	48.7	203	115	100
GRO	mg/kg	<5.8	<5.8	<5.2	<5.6	<5.5	<5.7	<5.5	<5.5	10
Petroleum Volatile Organic Compounds										
Benzene	mg/kg	<0.029	<0.029	<0.026	<0.028	0.055	<0.029	<0.028	<0.027	0.0055
Ethylbenzene	mg/kg	<0.029	<0.029	<0.026	<0.028	<0.027	<0.029	<0.028	<0.027	2.9
Toluene	mg/kg	<0.029	<0.029	<0.026	<0.028	<0.027	<0.029	<0.028	<0.027	1.5
Xylene (total)	mg/kg	<0.029	<0.029	<0.026	<0.028	<0.027	<0.029	<0.028	<0.027	4.1
Volatile Organic Compounds										
Trichloroethene	mg/kg	26.77	0.870	0.090	0.956	0.031	0.618	0.028	0.057	-
Cis-1,2-dichloroethene	mg/kg	<0.029	<0.029	<0.026	<0.028	0.768	<0.029	<0.028	<0.027	-
Vinyl Chloride	mg/kg	<0.029	<0.029	<0.026	<0.028	0.042	<0.029	<0.028	<0.027	-
Trichlorofluoromethane	mg/kg	<0.029	<0.029	<0.026	<0.028	<0.027	0.048	<0.028	<0.027	-
2,2-Dichloropropane	mg/kg	<0.029	<0.029	<0.026	<0.028	0.768	<0.029	<0.028	<0.027	-

KEY:

DRO = Diesel Range Organic Compounds
GRO = Gasoline Range Organic Compounds
* = SW-5 was collected from the southeast sidewall which was excavated on 08/24/98
RCL = Suggested generic residual contaminant levels
= Detected above generic RCL
mg/kg = milligrams per kilogram

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

WISCONSIN
DEPT. OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Regional Headquarters
2300 N. Dr. ML King Drive, PO Box 12436
Milwaukee, Wisconsin 53212-0436
Telephone 414-263-8500
FAX 414-263-8483
TDD 414-263-8713

February 2, 2000

Mr. Stephen Adams, Superintendent
Bridges & Public Bldg. Division Municipal Bldg
841 N. Broadway. Room 311
Milwaukee, WI 53202

Subject: Case Closure Request for the City of Milwaukee Forestry Service HQ, 5230 W. State St., Milwaukee, WI FID 241457590, BRRTS: 03-41-002037.

Dear Mr. Adams:

This letter is in response to the case closure request for the above-named site by Sigma Environmental dated December 16, 1999. I presented this case to the Department's closure committee on this date. The committee has determined that based on the investigation and remedial documentation provided to the Department, it appears that the above-named site is in compliance with the requirements of Chs. NR 700 to 726, Wis. Admin. Code. Therefore, the Department considers the case "conditionally closed" and tracked as such, having determined that no further action is necessary at the site at this time. Since the site is "conditionally closed", the following requirements must be completed before the site can be officially closed and recorded as such on the Department's tracking system:

1. Because of ch. NR 140 exceedances in MW-3, MW-7, MW-8, and MW-9, the Department requires a groundwater use restriction for the property and adjacent property at the county register of deeds office, which will satisfy the requirements in s. NR 726.05(2)(b) and s. NR 726.05(8)(am) Wis. Admin. Code. A draft copy of the groundwater use restrictions must be sent to this office for review, before forwarding to WDNR legal staff in Madison for final approval. A copy of the final certified groundwater use restrictions must be forwarded to this office at the time of recording at the County Register of Deeds Office.

2. The completion of requirements in s. NR 726.05(8)(c) Wis. Admin. Code, regarding monitoring well abandonment documentation, is received at this office within 60 days.

RCVD 5/4/2000

Residual Soil Contamination

The Department will include a detailed close out letter to document post-remediation site conditions that the close out committee has determined appropriate for this case as a discretionary decision. This is based on minimal residual contamination for benzene, trichloroethane, cis-1,2-dichloroethene, vinyl chloride, trichlorofluoromethane, and 2,2-dichloropropane, measured during final soil sampling at the site which does not require a deed instrument. The detailed close out letter simply serves as notice to future landowners that the residual contamination exists. The letter may also note that if soil contamination becomes

accessible and is excavated in the future, that it should be considered a solid waste and should be handled accordingly.

The Department appreciates the actions you have taken to investigate and remediate the contamination at this site. If you have any questions or comments, please feel free to contact me at the above address or at (414) 263-8644. Please refer to the FID number at the top of this letter in any future correspondence. Future correspondence should be sent directly to me at the above address.

Sincerely,

John J. Hnat
Hydrogeologist
Remediation and Redevelopment

C: Joshua Neudorfer. Sigma Environmental
WDNR SER Files

DOCUMENT NO.

APPROVED AS TO FORM AND Execution this 1st day of March, 1976
Assistant City Attorney

Reel 911 Image 976

WARRANTY DEED
FORM 655

THIS SPACE RESERVED FOR RECORDING DATA

4983053

REGISTER'S OFFICE
Milwaukee County, Wis. } ss
RECORDED AT 2:10 PM
ON MAR - 1 1976 in
Reel 911 Image 976
REGISTER OF DEEDS

RETURN TO COMPTROLLER'S OFFICE
City of Milwaukee

THIS INDENTURE, Made this 1st day of March, A. D., 1976, between Miller Brewing Company, a Wisconsin 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 City of Milwaukee, a municipal corporation

duly organized and existing under and by virtue of the laws of the State of Wisconsin, located at Milwaukee, Wisconsin, party of the second part.

Witnesseth, That the said party of the first part, for and in consideration of the sum of Three Hundred Forty Thousand and no/100ths Dollars ($340,000.00)

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 of the second part, its successors and assigns forever, the following described real estate situated in the County of Milwaukee and State of Wisconsin, to-wit:

The East Two Hundred (200) feet of Lot numbered Seven (7) in Block numbered One (1) in Assessor's Plat No. 126, being a part of the North West and North East One-quarter (¼) of Section Twenty-six (26) Township Seven (7) North, of Range Twenty-one (21) East, in the City of Milwaukee (5230 W. State Street, Tax Key No. 385-0007)

This conveyance is not subject to a real estate transfer fee pursuant to the provisions of Section 77.25 (X) (XX) of the Wisconsin Statutes

(IF NECESSARY, CONTINUE DESCRIPTION ON REVERSE SIDE)

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 and assigns FOREVER.

And the said Miller Brewing 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 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 and assigns, against all and every person or persons lawfully claiming the whole or any part thereof it will forever WARRANT and DEFEND.

In Witness Whereof, the said Miller Brewing Company party of the first part, has caused these presents to be signed by WARREN H. DUNN its Vice President, and countersigned by PHIL A. GRAU Assistant its Secretary, at Milwaukee Wisconsin, and its corporate seal to be hereunto affixed, this 1st day of March A. D. 1976.

SIGNED AND SEALED IN PRESENCE OF

CAROLYN A. POSPICHALA

SUSAN J. HOFFMAN

MILLER BREWING COMPANY
Corporate Name
Warren H. Dunn
Vice President

COUNTERSIGNED:
Phil A. Grau
Assistant Secretary

State of Wisconsin,
Milwaukee County. } ss

Personally came before me, this 1st day of March A. D. 1976 WARREN H. DUNN, Vice President, and PHIL A. GRAU - Assistant 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 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.

Mary H. Griesmer
MARY H. GRIESMER
Notary Public, Milwaukee County, Wis.
My commission (expires) (is) 8/13/78

THIS INSTRUMENT WAS DRAFTED BY City of Milwaukee

NOTARY SEAL

Section 706.06 (1) of the Wisconsin Statutes provides that all instruments to be recorded shall have plainly printed or typewritten thereon the name of the grantor, grantee, trustee and notary. Section 706.07 (1) similarly requires that the name of the person who prepares

MAR-1-76 707366 • 4983053 A CAREC

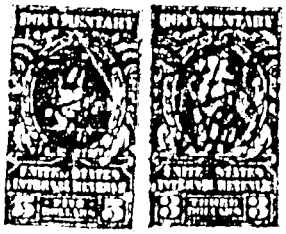
$2.00

D E E D

THIS INDENTURE, made this 4th day of March, A.D. 1958, between Edward C. Liker and Kathryn Liker, his wife, parties of the first part, and KEST, INC., 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 second part.

WITNESSETH, That the said parties of the first part, for and in consideration of the sum of One Dollar ($1.00) and other good and valuable consideration to them in hand paid by the said party of the second part, the receipt whereof is hereby confessed and acknowledged, have 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, its successors and assigns forever, the following described real estate, situated in the County of Milwaukee and State of Wisconsin, to-wit:

Lots 5 and 6, Block 3, Hawley Heights Subdivision of the Northwest Quarter of Section 26, Town 7 North, Range 21 East, in the City of Milwaukee



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 heredita-

ments 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 and assigns FOREVER.

And the said Edward C. Liker and Kathryn Liker for themselves, their heirs, executors and administrators, do covenant, grant, bargain and agree to and with the said party of the second part, its successors 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 except a mortgage to the Highland Park Savings and Loan Association, dated February 16, 1956, originally in the sum of $26,000.00 recorded February 29, 1956 in the office of the Register of Deeds for Milwaukee County, in Volume 3664 of Mortgages, page 36, document No. 3,471,543, now reduced to $23,288.38, which the party of the second part assumes and agrees to pay, and that the above bargained premises in the quiet and peaceful possession of the said party of the second part, its successors 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 hands and seals this 4th day of March, A.D., 1958.

Signed and Sealed in
Presence Of:

William J. Willis
William J. Willis

Edward C. Liker (SEAL)
Edward C. Liker

Maurice Manser
Maurice Manser

Kathryn Liker (SEAL)
Kathryn Liker

STATE OF WISCONSIN)
)SS
COUNTY OF MILWAUKEE)

Personally came before me, this 4th day of March, A.D., 1958, the above named Edward C. Liker and Kathryn Liker to me known to be the persons who executed the foregoing instrument and acknowledged the same.

Maurice Manser
Maurice Manser

Notary Public, Milwaukee
County, Wisconsin
My commission expires: 8/22/60

(Notarial Seal)

Received for Record this

_____day of March, A.D.,

1958 at _____o'clock

_____M.

_____
Register of Deeds

_____
Deputy Register of Deeds

3641949

DEED
Between
RD C. and KATHRYN LIKER
and
REST, INC.

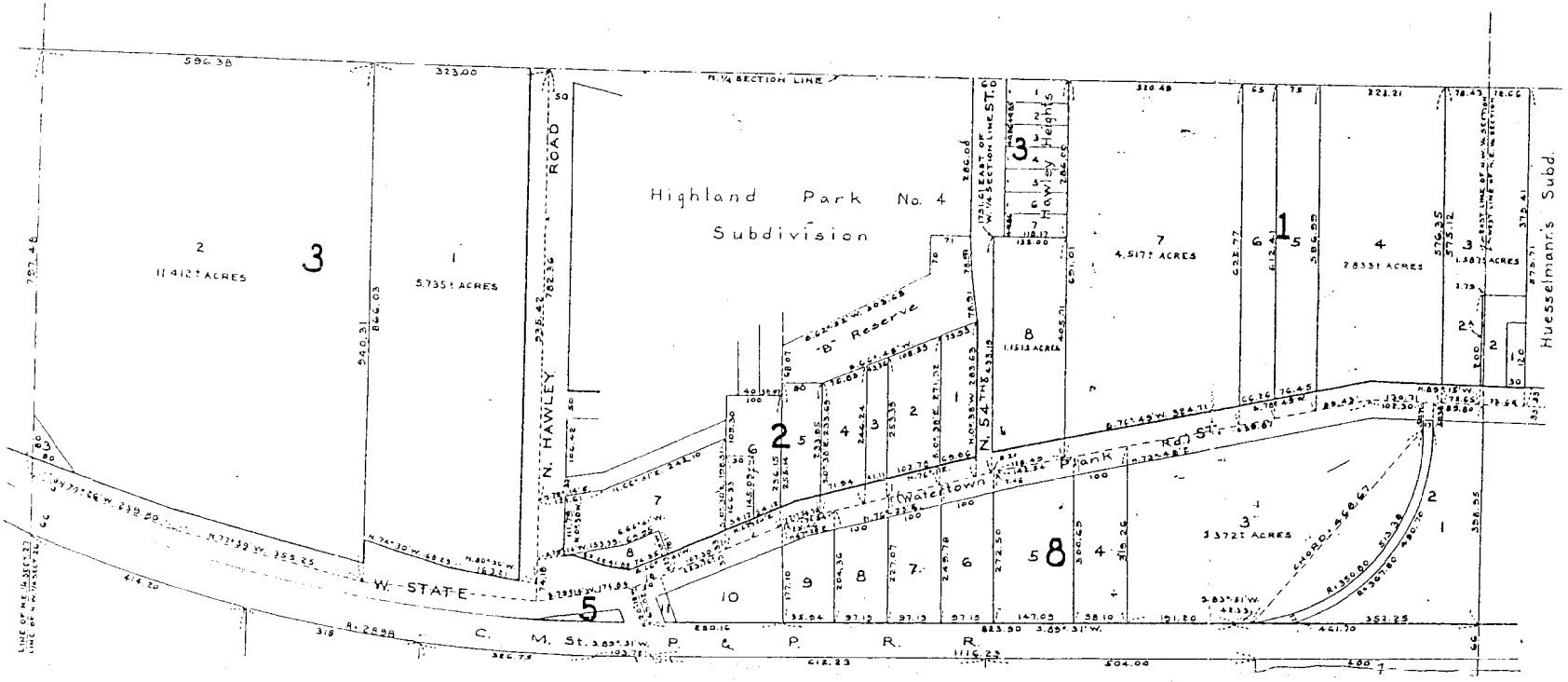
(Original)

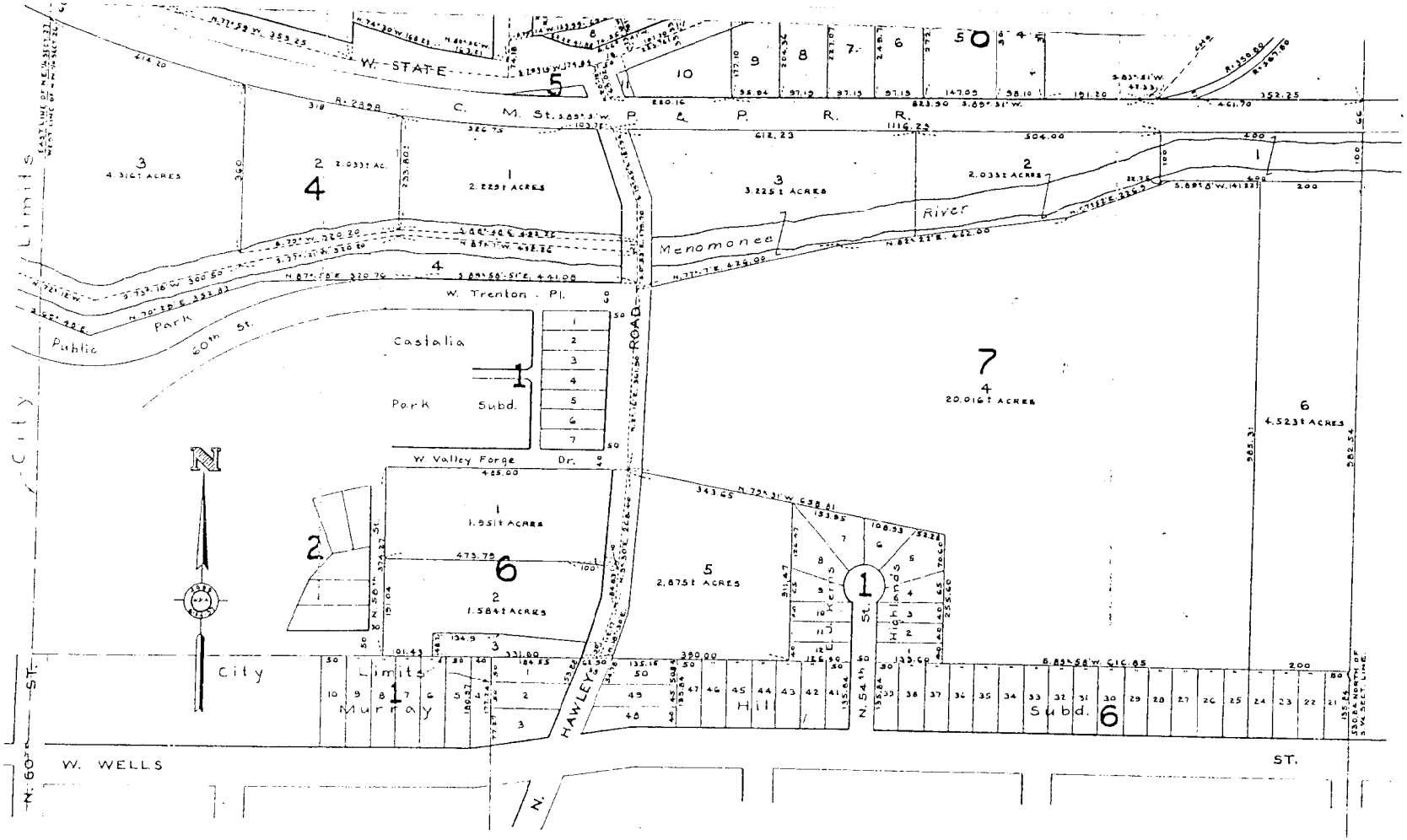
B-51
P-39

ASSESSOR'S PLAT NO. 126

BEING A PART OF THE N. W. & N. E. 1/4 OF SECTION 26
TOWN 7 NORTH RANGE 21 EAST
CITY OF MILWAUKEE, WIS.

SCALE 1" =
Original Scale 1" = 120'





Recorded APR. 8, 1938
At 9.30 O'Clock A.M.
Stanley A. Schultz, Register
John N. Zimmermann, Deputy
2170076

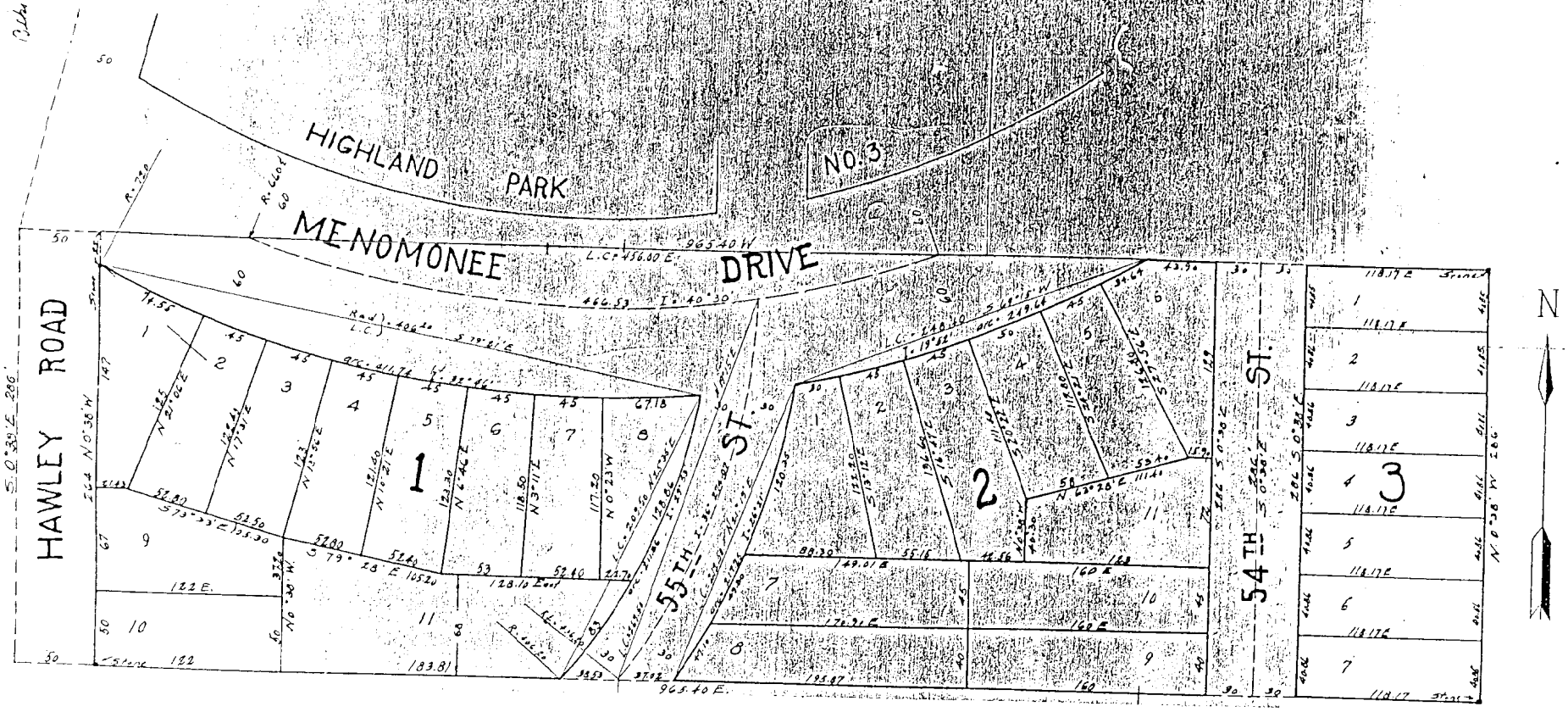
100/181

HAWLEY HEIGHTS

BEING A SUBDIVISION OF A PART OF THE

N.W.¼ SEC. 26 T.7N. R.21E. IN THE

TOWN OF WAUWATOSA



Resolution

Be it resolved that the plat hereto attached and entitled "Hawley Height" N.W. ¼ Sec. 26 Town of Wauwatosa be and is hereby approved.

Dated this 11th day of Jan., AD 1925.

Oscar Hartung
Chairman

Edw. Mason
Supervisor

Chas. Zilkoski
Supervisor

Town Board of Wauwatosa, Milwaukee County
State of Wisconsin

Certificate

State of Wisconsin } ss.:
Milwaukee County

Edward F. Geske hereunto certifies that he is the duly elected, qualified and acting Town Clerk of the Town of Wauwatosa, and that a regular meeting of the Town Board the foregoing resolution was adopted.

Dated this 11th day of January, A.D. 1925.

Edward F. Geske
Town Clerk, Town of Wauwatosa

Resolved, that the map of "Hawley Heights" being a subdivision of a part of the Northwest ¼ Section 26, Town 7 North, Range 21 East, in the Town of Wauwatosa, County of Milwaukee and State of Wisconsin, be and the same is hereby approved by the Board of Supervisors of Milwaukee County.

Office of the County Clerk

Milwaukee Jan. 13, 1925.

I hereby certify that the foregoing is a true and correct copy of a resolution adopted by the Board of Supervisors of Milwaukee County, at a Regular meeting (continued) of said Board held on the Thirteenth day of Jan., 1925.

Richard Schmidt, Deputy
County Clerk

IMP. O.R.K. SEAL

By Ald. Weiss (by request)
Referred to the Committee on Buildings, Grounds, Bridges and Board of Public Land Commissioners.

File number 26081

Received April 2, 1924
Board of Public Land Commissioners.

Approved 6/9/24
A.A. Campbell
chief eng.
J.P. Schwada
City Engineer

Adopted by Common Council June 9, 1924
Ayes 25
Noes 0

Chas. S. Brand
City Clerk

Delivered to His Honor the Mayor June 10, 1924
Chas. S. Brand
City Clerk

Approved June 10, 1924
Daniel W. Hoan
Mayor

Recorded Jan 14, 1925 at 3 P.M.
Phillip C. Wolfahl, Register of Deeds } 1820180

Certified Copy of Resolution

File number 26081

Resolved, that the plat of "Hawley Heights" being a subdivision of a part of the North-west ¼, Section 26, Town 7 North, Range 21 East, in the Town of Wauwatosa, be and the same is hereby approved by the Common Council.

Office of the City Clerk

Milwaukee Jun. 9, 1924

I hereby certify that the foregoing is a copy of a resolution adopted by the Common Council of the City of Milwaukee on June 9, 1924.

Chas. S. Brand
City Clerk

IMP. CORP. SEAL

H.A. PETERMANN, CIV. ENGR.

State of Wisconsin } ss.
County of Milwaukee

I, H.A. Petermann, surveyor hereby certify that I surveyed subdivided and mapped Hawley Heights, being a subdivision of a part of the Northwest one-quarter of Section Twenty-Six (26), Town Seven (7) North, Range Twenty-One (21) East, in the Town of Wauwatosa, County of Milwaukee, State of Wisconsin, bounded and described as follows, to-wit:

"Commencing at a point in the North line of the Northwest one-quarter of Section 26, Town 7 North, Range 21 East, which is Seven Hundred Sixty-eight and Thirty-nine hundredths (768.39) feet West of the North-east corner of said quarter section, thence West along said North line Nine Hundred Sixty Five and Forty hundredths (965.40) feet to the center line of the Hawley Road, thence South 0° 36' E on said center line and parallel to the West line of said quarter section Two Hundred and Eight-six (286) feet to a point, thence East on a line parallel to and Two Hundred Eighty-six (286) feet South of said North line, Nine hundred Sixty-five and Forty hundredths (965.40) feet to a point, thence North 0° 36' W on a line parallel to said West line Two hundred eight-six (286) feet to the place of beginning.

That I have made such survey, subdivision and the within map by the order and direction of owner H. Hoffmann.

That the within map is a correct representation of all the exterior boundaries of the land surveyed and of the divisions therein made. That in surveying, subdividing and mapping the same, I have fully complied with the provisions of Chapter 101 of the Statutes and Amendments thereto.

H.A. Petermann
Surveyor

Milwaukee Wis. Mch. 31, 1924

State of Wisconsin } ss.
County of Milwaukee

H.A. Petermann, being first duly sworn on oath deposes and says that he is the surveyor who signed the foregoing certificate and that he now swears that all the contents of the same are true, and that he makes this affidavit as required by law.

Subscribed and sworn to before me this 31 day of Mch. 1924

H.A. Petermann.

Edw. E. Cady
Notary Public Milwaukee County, Wisconsin.
My Commission expires 3-13-26.

IMP. NOT. SEAL

State of Wisconsin } ss.
County of Milwaukee

I, Walter H. Hoffmann, hereby certify that I have caused the land described in the foregoing certificate of H.A. Petermann, Surveyor, to be surveyed, and mapped as represented on the within map.

In Testimony thereof, I have hereunto affixed my hand and seal this 12th day of January A.D. 1925

In Presence of
Paul J. Wick
P.M. Berkes

Walter H. Hoffmann [seal]

State of Wisconsin } ss.
County of Milwaukee

On this 12 day of January, 1925 personally before me came Walter H. Hoffmann to me known to be the person who executed the foregoing instrument and acknowledged the same

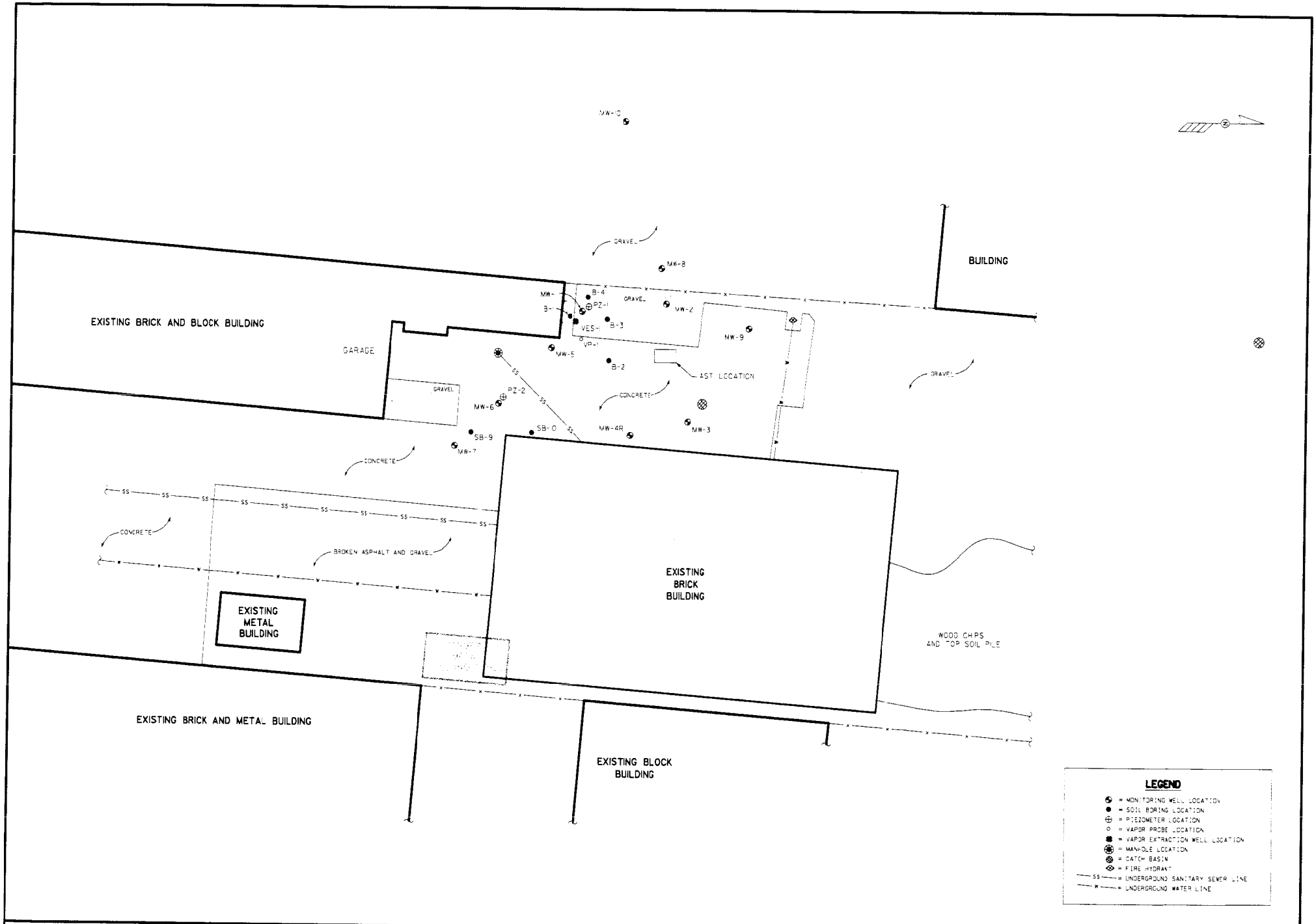
Pauline M. Berkes
Notary Public, Milwaukee Co. Wisconsin
My Commission expires July 17, 1927

IMP. NOT. SEAL

Recorded Jan 14, 1925 at 3 o'clock P.M. } 1820180
Phillip C. Wolfahl, Register

78/329

B-391 P-23



SIGMA
ENVIRONMENTAL SERVICES INC.
220 EAST RYAN ROAD
OAK CREEK, WISCONSIN 53154
PHONE : (414) 768 - 7144
1-800 732 4071

GRAPHIC SCALE 0' 15' 30' 45' 60'

NO	DATE	REVISIONS	BY	APVD

	NAME:	DATE:
DRAWN BY:	TMM	4-20-98
DESIGNED BY:		
CHECKED BY:		
APPROVED BY:		

CITY OF MILWAUKEE - FORESTRY SERVICE
5230 WEST STATE STREET, MILWAUKEE, WI
SITE PLAN MAP

DRAWING NUMBER
4136-002

FIGURE 2

TABLE 5
Groundwater Analytical Results
City of Milwaukee - Forestry Service
5230 West State Street

Analyte	MW-1 29-Dec-94	MW-1 06-Oct-95	MW-1 21-Jan-98	MW-1 05-Aug-99	MW-2 29-Dec-94	MW-2 06-Oct-95	MW-2 21-Jan-98	MW-2 05-Aug-98	MW-3 29-Dec-94	MW-3 06-Oct-95	MW-3 21-Jan-98	MW-3 11-Feb-99	MW-3 25-Aug-99	NR 140 ES	NR 140 PAL
Diesel Range Organics (DRO) [mg/l]	0.36	1.57	NA	NA	<0.10	NA	NA	NA	<0.10	NA	NA	NA	NA	NS	NS
Gasoline Range Organics (GRO) [mg/	0.14	0.148	NA	NA	<0.10	NA	NA	NA	<0.10	NA	NA	NA	NA	NS	NS
Lead [mg/l]	0.003	NA	NA	NA	0.003	NA	NA	NA	0.003	NA	NA	NA	NA	15	1.5
Cadmium [mg/l]	0.0006	NA	NA	NA	<0.0005	NA	NA	NA	<0.0005	NA	NA	NA	NA	5	0.5
Benzene	**1.7**	<0.5	<0.41	<0.10	<0.30	<0.2	<0.41	<0.10	<0.30	<0.50	<0.41	<0.10	<0.10	5	0.5
n-Butylbenzene	<0.70	NA	<0.31	<0.25	<0.70	<1.0	<0.31	<0.25	<0.70	NA	<0.31	<0.25	<0.25	NS	NS
sec-Butylbenzene	<0.50	NA	<0.23	<0.25	<0.50	<1.0	<0.23	<0.25	<0.50	NA	<0.23	<0.25	<0.25	NS	NS
Chloroethane	<0.80	NA	0.94	<0.25	<0.80	<2.0	<0.25	<0.25	<0.80	NA	<0.25	<0.25	<0.25	400	80
Chloroform	<0.30	NA	<0.25	<0.25	<0.30	0.662	<0.25	<0.25	<0.30	NA	<0.25	<0.25	0.99	6	0.6
1,2-Dichlorobenzene	<0.70	NA	<0.32	<0.25	<0.70	1.34	<0.32	<0.25	<0.70	NA	<0.32	<0.25	<0.25	600	60
1,1-Dichloroethane	4	NA	0.55	<0.25	<0.60	<0.5	<0.26	<0.25	<0.60	NA	0.38	<0.25	<0.25	850	85
cis-1,2-Dichloroethene	**230**	NA	**21**	<0.25	5.5	2.56	4	4.5	<0.80	NA	<0.28	<0.25	<0.25	70	7
trans-1,2-Dichloroethene	<0.50	NA	0.47	<0.25	<0.50	<0.5	0.47	<0.25	<0.50	NA	<0.25	<0.25	<0.25	100	20
Di-isopropyl Ether	<0.70	NA	<0.43	<0.25	<0.70	NA	<0.43	<0.25	<0.70	NA	<0.43	<0.25	<0.25	NS	NS
Ethylbenzene	<0.40	<1.0	<0.23	<0.25	<0.40	<1.0	<0.23	<0.25	<0.40	<1.0	<0.23	<0.25	<0.25	700	140
Isopropylbenzene	<0.30	NA	<0.27	<0.25	<0.30	<1.0	<0.27	<0.25	<0.30	NA	<0.27	<0.25	<0.25	NS	NS
Methylene Chloride	<0.40	NA	<0.22	<0.25	<0.40	<2.5	<0.22	<0.25	<0.40	NA	0.48	<0.25	<0.25	5	0.5
Methyl-tert-butyl-ether	<0.50	<2.0	<0.53	<0.25	<0.50	<2.0	<0.53	<0.25	<0.50	<2.0	<0.53	<0.25	<0.25	60	12
Naphthalene	<0.70	NA	<0.66	<0.10	<0.70	<1.0	<0.66	<0.10	<0.70	NA	<0.66	<0.10	<0.10	40	8
n-Propylbenzene	<0.40	NA	<0.27	<0.25	<0.40	<1.0	<0.27	<0.25	<0.40	NA	<0.27	<0.25	<0.25	NS	NS
Toluene	<0.40	<2.0	<0.28	<0.25	<0.40	<2.0	<0.28	<0.25	<0.40	<2.0	<0.28	<0.10	<0.25	343	68.6
1,1,1-Trichloroethane	<0.50	NA	<0.27	<0.25	<0.50	<0.50	<0.27	<0.25	<0.50	NA	<0.27	<0.25	<0.25	200	40
Trichloroethene	**38**	NA	**14**	<0.25	**160**	**214**	**14**	**120**	<0.40	NA	**9.4**	<0.25	**12**	5	0.5
Trichlorofluoromethane	<0.50	NA	<0.29	<0.25	<0.50	<1.0	<0.29	<0.25	<0.50	NA	<0.29	<0.25	<0.25	NS	NS
1,2,4-Trimethylbenzene	<0.40	<1.0	<0.30	<0.10	<0.40	<1.0	<0.30	<0.10	<0.40	<1.0	<0.30	<0.10	<0.10	NS	NS
1,3,5-Trimethylbenzene	<0.80	<1.0	<0.25	<0.10	<0.80	<1.0	<0.25	<0.10	<0.80	<1.0	<0.25	<0.10	<0.10	NS	NS
Vinyl Chloride	**9.4**	NA	**2.4**	<0.25	<0.80	<0.2	<0.23	<0.25	<0.80	NA	<0.23	<0.25	<0.25	0.2	0.02
Total Xylenes	<1.30	<2.0	<0.79	<0.25	<1.30	<2.0	<0.79	<0.25	<1.30	<2.0	<0.79	<0.25	<0.25	620	124

NOTE:

All values given in micrograms per liters (μg/l) unless noted.

BOLD = concentration exceeds NR 140 preventive action limit

BOLD = concentration exceeds NR 140 enforcement standard

NR 140 ES = Wisconsin Administrative Code Chapter NR 140 Enforcement Standard

NR 140 PAL = Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit

TABLE 5 (contd.)
Groundwater Analytical Results
City of Milwaukee - Forestry Service
5230 West State Street

Analyte	MW-4 29-Dec-94	MW-4 06-Oct-95	MW-4R 21-Jan-98	MW-4R 05-Aug-99	MW-4R 11-Feb-99	MW-4R 25-Aug-99	MW-5 29-Dec-94	MW-5 06-Oct-95	NR 140 ES	NR 140 PAL
Diesel Range Organics (DRO) [mg/l]	<0.11	NA	NA	NA	NA	NA	<0.12	NA	NS	NS
Gasoline Range Organics (GRO) [mg/	<0.10	NA	NA	NA	NA	NA	<0.10	NA	NS	NS
Lead [mg/l]	0.003	NA	NA	NA	NA	NA	0.003	NA	15	1.5
Cadmium [mg/l]	<0.0005	NA	NA	NA	NA	NA	<0.0005	NA	5	0.5
Benzene	<0.30	<0.2	<0.41	<0.10	<0.10	<0.10	<0.30	<0.2	5	0.5
n-Butylbenzene	<0.70	<1.0	<0.31	<0.25	<0.25	<0.25	<0.70	<1.0	NS	NS
sec-Butylbenzene	<0.50	<1.0	<0.23	<0.25	<0.25	<0.25	<0.50	<1.0	NS	NS
Chloroethane	<0.80	<2.0	4.6	<0.25	<0.25	<0.25	<0.80	<2.0	400	80
Chloroform	<0.30	<0.5	<0.25	<0.25	<0.25	<0.25	<0.30	<0.5	6	0.6
1,2-Dichlorobenzene	<0.70	<1.0	<0.32	<0.25	<0.25	<0.25	<0.70	<1.0	600	60
1,1-Dichloroethane	<0.60	<0.5	<0.26	<0.25	<0.25	<0.25	<0.60	<0.5	850	85
cis-1,2-Dichloroethene	<0.80	<0.5	<0.28	<0.25	<0.25	<0.25	<0.80	<0.5	70	7
trans-1,2-Dichloroethene	<0.50	<0.5	<0.25	<0.25	<0.25	<0.25	<0.50	<0.5	100	20
Di-isopropyl Ether	<0.70	NA	<0.43	<0.25	<0.25	<0.25	<0.70	NA	NS	NS
Ethylbenzene	<0.40	<1.0	<0.23	<0.25	<0.25	<0.25	<0.40	<1.0	700	140
Isopropylbenzene	<0.30	<1.0	<0.27	<0.25	<0.25	<0.25	<0.30	<1.0	NS	NS
Methylene Chloride	<0.40	<2.5	<0.22	<0.25	<0.25	<0.25	<0.40	<2.5	5	0.5
Methyl-tert-butyl-ether	<0.50	<2.0	<0.53	<0.25	<0.25	<0.25	<0.50	<2.0	60	12
Naphthalene	<0.70	<1.0	<0.66	<0.10	<0.10	<0.10	<0.70	<1.0	40	8
n-Propylbenzene	<0.40	<1.0	<0.27	<0.25	<0.25	<0.25	<0.40	<1.0	NS	NS
Toluene	<0.40	<2.0	<0.28	<0.10	<0.10	<0.25	<0.40	<2.0	343	68.6
1,1,1-Trichloroethane	<0.50	<0.50	<0.27	<0.25	<0.25	<0.25	<0.50	<0.50	200	40
Trichloroethene	<0.40	**1.81**	0.49	<0.25	**1.1**	<0.25	<0.40	<0.2	5	0.5
Trichlorofluoromethane	<0.50	<1.0	<0.29	<0.25	<0.25	<0.25	<0.50	<1.0	NS	NS
1,2,4-Trimethylbenzene	<0.40	<1.0	<0.30	<0.10	<0.10	<0.10	<0.40	<1.0	NS	NS
1,3,5-Trimethylbenzene	<0.80	<1.0	<0.25	<0.10	<0.10	<0.10	<0.80	<1.0	NS	NS
Vinyl Chloride	<0.80	<0.2	<0.23	<0.25	<0.25	<0.25	<0.80	<0.2	0.2	0.02
Total Xylenes	<1.30	<2.0	<0.79	<0.25	<0.25	<0.25	<1.30	<2.0	620	124

NOTE: On Aug. 5, 1998, bromodichlorobenzene, chlorodibromomethane, and 1,4-dichlorobenzene were detected at MW-9; the concentration of bromodichlorobenzene exceeded the NR 140 ES of 0.6 ug/L;
However, according to the laboratory and scientific literature, this compound (chlorodibromomethane also) is common to municipally supplied chlorinated drinking water; also found as a laboratory contaminant

All values given in micrograms per liters (µg/l) unless noted.

BOLD = concentration exceeds NR 140 preventive action limit

BOLD = concentration exceeds NR 140 enforcement standard

NR 140 ES = Wisconsin Administrative Code Chapter NR 140 Enforcement Standard

NR 140 PAL = Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit

TABLE 5 (contd.)
Groundwater Analytical Results
City of Milwaukee - Forestry Service
5230 West State Street

Analyte	MW-6 06-Oct-95	MW-6 21-Jan-98	MW-6 11-Feb-99	MW-6 25-Aug-99	MW-7 06-Oct-95	MW-7 25-Aug-99	MW-8 06-Oct-95	MW-8 21-Jan-98	MW-8 11-Feb-99	MW-8 25-Aug-99	NR 140 ES	NR 140 PAL
Diesel Range Organics (DRO) [mg/l]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS
Gasoline Range Organics (GRO) [mg/	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS
Lead [mg/l]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15	1.5
Cadmium [mg/l]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	0.5
Benzene	0.261	<0.41	<0.10	<0.10	<0.2	<0.10	<0.2	<0.41	<0.10	<0.10	5	0.5
n-Butylbenzene	<1.0	<0.31	<0.25	<0.25	<1.0	<0.25	<1.0	<0.31	<0.25	<0.25	NS	NS
sec-Butylbenzene	<1.0	<0.23	<0.25	<0.25	<1.0	<0.25	<1.0	<0.23	<0.25	<0.25	NS	NS
Chloroethane	<2.0	0.39	<0.25	<0.25	<2.0	<0.25	<2.0	<0.25	<0.25	<0.25	400	80
Chloroform	<0.5	<0.25	<0.25	<0.25	<0.5	<0.25	<0.5	<0.25	<0.25	<0.25	6	0.6
1,2-Dichlorobenzene	<1.0	<0.32	<0.25	<0.25	1.29	<0.25	1.04	<0.32	<0.25	<0.25	600	60
1,1-Dichloroethane	<0.50	<0.26	<0.25	<0.25	<0.50	<0.25	1.64	1.1	0.34	<0.25	850	85
cis-1,2-Dichloroethene	<0.50	<0.28	<0.25	<0.25	<0.50	<0.25	**17.1**	6.0	**9.0**	**7.0**	70	7
trans-1,2-Dichloroethene	<0.50	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	<0.25	<0.25	<0.25	100	20
Di-isopropyl Ether	NA	<0.43	<0.25	<0.25	NA	<0.25	NA	<0.43	<0.25	<0.25	NS	NS
Ethylbenzene	<1.0	<0.23	<0.25	<0.25	<1.0	<0.25	<1.0	<0.23	<0.25	<0.25	700	140
Iscpropylbenzene	<1.0	<0.27	<0.25	<0.25	<1.0	<0.25	<1.0	<0.27	<0.25	<0.25	NS	NS
Methylene Chloride	<2.5	0.29	<0.25	<0.25	<2.5	<0.25	<2.5	<0.22	<0.25	<0.25	5	0.5
Methyl-tert-butyl-ether	<2.0	<0.53	<0.25	<0.25	<2.0	<0.25	<2.0	**16**	2.3	<0.25	60	12
Naphthalene	<1.0	<0.66	<0.10	<0.10	<1.0	<0.10	<1.0	<0.66	<0.10	<0.10	40	8
n-Propylbenzene	<1.0	<0.27	<0.25	<0.25	<1.0	<0.25	<1.0	<0.27	<0.25	<0.25	NS	NS
Toluene	<2.0	<0.28	<0.10	<0.25	<2.0	<0.25	<2.0	<0.28	<0.10	<0.25	343	68.6
1,1,1-Trichloroethane	<0.5	<0.27	<0.25	<0.25	<0.5	<0.25	<0.5	<0.27	<0.25	<0.25	200	40
Trichloroethene	<0.2	<0.20	<0.25	<0.25	<0.2	**2.1**	**181**	**65**	**34**	**20**	5	0.5
Trichlorofluoromethane	<1.0	<0.29	<0.25	<0.25	<1.0	<0.25	<1.0	<0.29	<0.25	<0.25	NS	NS
1,2,4-Trimethylbenzene	<1.0	<0.30	<0.10	<0.10	<1.0	<0.10	<1.0	<0.30	<0.10	<0.10	NS	NS
1,3,5-Trimethylbenzene	<1.0	<0.25	<0.10	<0.10	<1.0	<0.10	<1.0	<0.25	<0.10	<0.10	NS	NS
Vinyl Chloride	<0.2	<0.23	<0.25	<0.25	<0.2	<0.25	<0.2	<0.23	<0.25	<0.25	0.2	0.02
Total Xylenes	<2.0	<0.79	<0.25	<0.25	<2.0	<0.25	<2.0	<0.79	<0.25	<0.25	620	124

NOTE: On Aug. 5, 1998, bromodichlorobenzene, chlorodibromomethane, and 1,4-dichlorobenzene were detected at MW-9; the concentration of bromodichlorobenzene exceeded the NR 140 ES of 0.6 ug/L;
However, according to the laboratory and scientific literature, this compound (chlorodibromomethane also) is common to municipally supplied chlorinated drinking water; also found as a laboratory contaminant

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BOLD = concentration exceeds NR 140 enforcement standard

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TABLE 5 (contd.)
Groundwater Analytical Results
City of Milwaukee - Forestry Service
5230 West State Street

Analyte	MW-9 21-Jan-98	MW-9 05-Aug-99	MW-9 11-Feb-99	MW-9 25-Aug-99	MW-10 21-Jan-98	MW-10 11-Feb-99	MW-10 25-Aug-99	PZ-1 06-Oct-95	PZ-1 21-Jan-98	PZ-1 05-Aug-99	PZ-2 06-Oct-95	PZ-2 21-Jan-98	PZ-2 11-Feb-99	PZ-2 25-Aug-99	NR 140 ES	NR 140 PAL
Diesel Range Organics (DRO) [mg/l]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS
Gasoline Range Organics (GRO) [mg/l]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS
Lead [mg/l]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15	1.5
Cadmium [mg/l]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	0.5
Benzene	<0.41	<0.10	<0.10	<0.10	<0.41	<0.10	<0.10	0.312	<0.41	<0.10	<0.2	<0.41	<0.10	<0.10	5	0.5
n-Butylbenzene	<0.31	<0.25	<0.25	<0.25	<0.31	<0.25	<0.25	<1.0	<0.31	<0.25	<1.0	<0.31	<0.25	<0.25	NS	NS
sec-Butylbenzene	<0.23	<0.25	<0.25	<0.25	<0.23	<0.25	<0.25	<1.0	<0.23	<0.25	<1.0	<0.23	<0.25	<0.25	NS	NS
Chloroethane	4.1	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<2.0	1.9	<0.25	<2.0	<0.25	<0.25	<0.25	400	80
Chloroform	<0.25	1.7	0.67	0.52	<0.25	<0.25	<0.25	<0.5	<0.25	<0.25	<0.5	<0.25	<0.25	<0.25	6	0.6
1,2-Dichlorobenzene	<0.32	<0.25	<0.25	<0.25	<0.32	<0.25	<0.25	<1.0	<0.32	<0.25	<1.0	<0.32	<0.25	<0.25	600	60
1,1-Dichloroethane	<0.26	<0.25	<0.25	<0.25	1.8	2.6	0.74	<0.5	<0.26	<0.25	<0.50	<0.26	<0.25	<0.25	850	85
cis-1,2-Dichloroethene	<0.28	<0.25	<0.25	<0.25	0.4	0.28	<0.25	6.29	<0.28	<0.25	<0.50	<0.28	<0.25	<0.25	70	7
trans-1,2-Dichloroethene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	100	20
Di-isopropyl Ether	<0.43	<0.25	<0.25	<0.25	<0.43	<0.25	<0.25	NA	<0.43	<0.25	NA	<0.43	<0.25	<0.25	NS	NS
Ethylbenzene	<0.23	<0.25	<0.25	<0.25	<0.23	<0.25	<0.25	<1.0	<0.23	<0.25	<1.0	<0.23	<0.25	<0.25	700	140
Isopropylbenzene	<0.27	<0.25	<0.25	<0.25	<0.27	<0.25	<0.25	<1.0	<0.27	<0.25	<1.0	<0.27	<0.25	<0.25	NS	NS
Methylene Chloride	0.27	<0.25	<0.25	<0.25	<0.22	<0.25	L 1.6	<2.5	<0.22	<0.25	<2.5	<0.22	<0.25	<0.25	5	0.5
Methyl-tert-butyl-ether	<0.53	<0.25	<0.25	<0.25	<0.53	<0.25	<0.25	<2.0	<0.53	<0.25	<2.0	<0.53	<0.25	<0.25	60	12
Naphthalene	<0.66	<0.10	<0.10	<0.10	<0.66	<0.10	<0.10	<1.0	<0.66	<0.10	<1.0	<0.66	<0.10	<0.10	40	8
n-Propylbenzene	<0.27	<0.25	<0.25	<0.25	<0.27	<0.25	<0.25	<1.0	<0.27	<0.25	<1.0	<0.27	<0.25	<0.25	NS	NS
Toluene	<0.28	<0.10	<0.10	<0.25	<0.28	<0.10	0.12	<2.0	<0.28	<0.25	<2.0	<0.28	<0.10	<0.25	343	68.6
1,1,1-Trichloroethane	<0.27	<0.25	<0.25	<0.25	0.99	3.2	0.61	<0.5	<0.27	<0.25	<0.5	<0.27	<0.25	<0.25	200	40
Trichloroethene	**3.1**	<0.25	**5.1**	**2.8**	<0.20	<0.25	<0.25	**1.03**	<0.20	<0.25	<0.2	<0.20	<0.25	<0.25	5	0.5
Trichlorofluoromethane	<0.29	<0.25	<0.25	<0.25	<0.29	<0.25	<0.25	<1.0	<0.29	<0.25	<1.0	<0.29	<0.25	<0.25	NS	NS
1,2,4-Trimethylbenzene	<0.30	<0.10	<0.10	<0.10	<0.30	<0.10	<0.10	<1.0	<0.30	<0.10	<1.0	<0.30	<0.10	<0.10	NS	NS
1,3,5-Trimethylbenzene	<0.25	<0.10	<0.10	<0.10	<0.25	<0.10	<0.10	<1.0	<0.25	<0.10	<1.0	<0.25	<0.10	<0.10	NS	NS
Vinyl Chloride	<0.23	<0.25	<0.25	<0.25	<0.23	<0.25	<0.25	**1.85**	<0.23	<0.25	<0.2	<0.23	<0.25	<0.25	0.2	0.02
Total Xylenes	<0.79	<0.25	<0.25	<0.25	<0.79	<0.25	<0.25	<2.0	<0.79	<0.25	<2.0	<0.79	<0.25	<0.25	620	124

NOTE: On Aug. 5, 1998, bromodichlorobenzene, chlorodibromomethane, and 1,4-dichlorobenzene were detected at MW-9; the concentration of bromodichlorobenzene exceeded the NR 140 ES of 0.6 ug/L;

However, according to the laboratory and scientific literature, this compound (chlorodibromomethane also) is common to municipally supplied chlorinated drinking water; also found as a laboratory contaminant

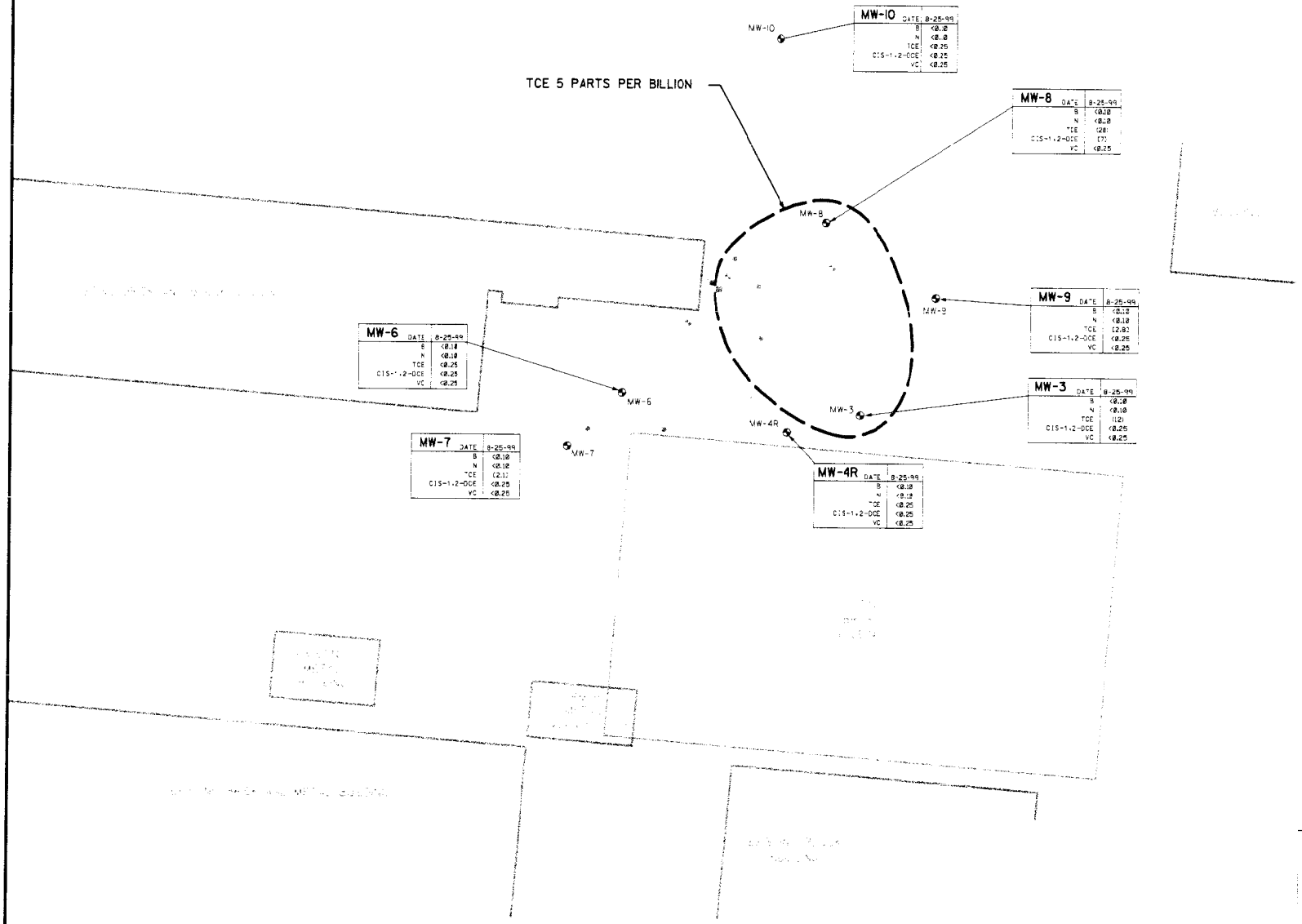
All values given in micrograms per liters (µg/l) unless noted.

BOLD = concentration exceeds NR 140 preventive action limit

BOLD = concentration exceeds NR 140 enforcement standard

NR 140 ES = Wisconsin Administrative Code Chapter NR 140 Enforcement Standard

NR 140 PAL = Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit



ANALYTICAL KEY

B = BENZENE
N = NAPHTHALENE
TCE = TRICHLOROETHENE
CIS-1,2-DCE = CIS-1,2-DICHLOROETHENE
VC = VINYL CHLORIDE
( ) = EXCEEDS PAL
[ ] = EXCEEDS ES

ALL CONCENTRATIONS EXPRESSED IN MICROGRAMS PER LITER (ug/)

LEGEND

= MONITORING WELL LOCATION
= SOIL BORING LOCATION
= PIEZOMETER LOCATION
= VAPOR PROBE LOCATION
= VAPOR EXTRACTION WELL LOCATION
= MANHOLE LOCATION
= CATCH BASIN
= FIRE HYDRANT
= UNDERGROUND SANITARY SEWER LINE
= UNDERGROUND WATER LINE
= ESTIMATED EXTENT OF GROUNDWATER IMPACTS

SIGMA ENVIRONMENTAL SERVICES INC.
220 EAST RYAN ROAD
OAK CREEK, WISCONSIN 53154
PHONE : (414) 768 - 7144
1-800-732-4671

GRAPHIC SCALE 0' 15' 30' 45' 60'

NO	DATE	REVISIONS	BY	APVD

	NAME:	DATE:
DRAWN BY:	TMM	4-20-98
DESIGNED BY:		
CHECKED BY:		
APPROVED BY:		

CITY OF MILWAUKEE - FORESTRY SERVICE
5230 WEST STATE STREET, MILWAUKEE, WI
GROUNDWATER QUALITY MAP (AUGUST 25, 1999)

DRAWING NUMBER
4136-009

FIGURE 5

Table 4
Static Water-Level Measurements
City of Milwaukee
Forestry Service Center
5230 West State Street
Milwaukee WI
Project #4136

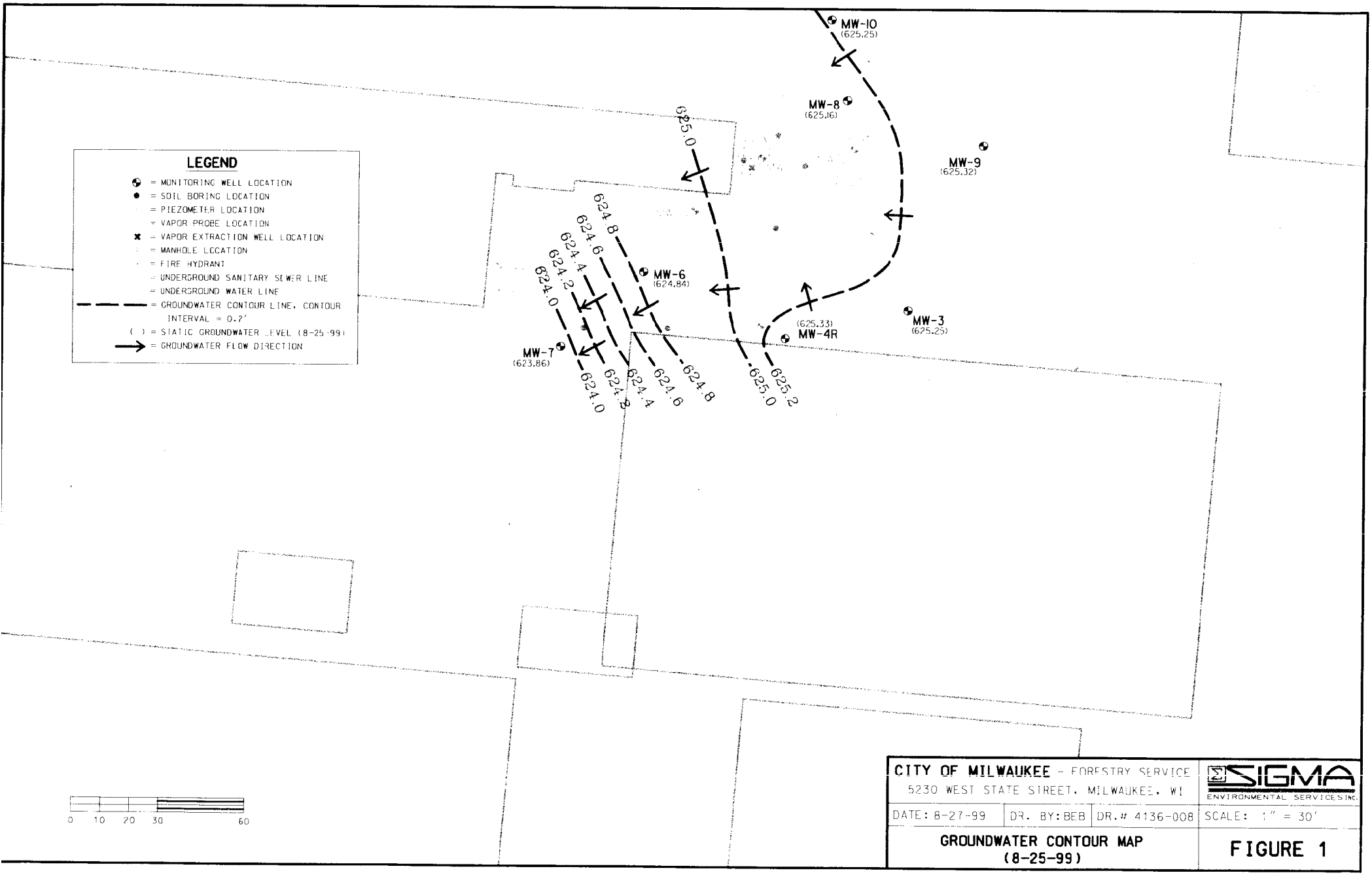
Well ID	Date	Elevation Top of Casing	Depth to Water	Groundwater Elevations
MW-1	09/20/1995	631.45	6.60	624.85
	10/06/1995		5.70	625.75
	12/05/1995		8.17	623.28
	02/02/1996		6.66	624.79
	05/05/1997		6.53	624.92
	01/21/1998		6.93	624.52
	08/05/1998		6.31	625.14
Abandoned during excavation				
MW-2	09/20/1995	631.24	- -	
	10/06/1995		5.84	625.40
	12/05/1995		5.85	625.39
	02/02/1996		6.44	624.80
	05/05/1997		6.30	624.94
	01/21/1998		6.79	624.45
	08/05/1998		6.09	625.15
Abandoned during excavation				
MW-3	09/20/1995	629.57	4.74	624.83
	10/06/1995		4.66	624.91
	12/05/1995		4.26	625.31
	02/02/1996		4.74	624.83
	05/05/1997		4.63	624.94
	01/21/1998		5.05	624.52
	08/12/1998		4.10	629.57
	02/11/1999		4.31	625.26
	08/25/1999		4.32	625.25
MW-4	09/20/1995	629.31	4.45	624.86
	10/06/1995		4.42	624.89
	12/05/1995		3.99	625.32
	02/02/1996		5.64	623.67
	05/05/1997		- -	
MW-4R	01/21/1998	629.44	4.85	624.59
	08/05/1998		4.05	625.39
	02/11/1999		4.05	625.39
	08/25/1999		4.11	625.33
MW-5	09/20/1995	629.20	4.31	624.89
	10/06/1995		4.30	624.90
	12/05/1995		4.31	624.89
	02/02/1996		4.36	624.84
	05/05/1997		- -	
	01/21/1998		- -	
	08/12/1998		4.00	625.20
Paved over - unable to locate				
MW-6	09/20/1995	629.12	4.51	624.61
	10/06/1995		4.55	624.57
	12/05/1995		4.18	624.94
	02/02/1996		4.63	624.49
	05/05/1997		4.50	624.62
	01/21/1998		4.85	624.27
	08/12/1998		4.05	625.07
	02/11/1999		4.17	624.95
	08/25/1999		4.28	624.84

Notes:
1. Elevations are in feet above mean sea level.
2. Monitoring well MW-4R installed on 12-22-97 as replacement of MW-4
3. - - Well was not accessible to collect data.

Table 4
Static Water-Level Measurements
City of Milwaukee
Forestry Service Center
5230 West State Street
Milwaukee, WI
Project #4136

Well #	Date	Elevation Top of Casing	Depth to Water	Groundwater Elevations
MW-7	09/20/1995	629.07	5.21	623.86
	10/06/1995		5.26	623.81
	12/05/1995		4.89	624.18
	02/02/1996		7.84	621.23
	05/05/1997		- -	
	01/21/1998		- -	
	08/25/1999		5.21	623.86
MW-8	09/20/1995	631.36	6.73	624.63
	10/06/1995		5.55	625.81
	12/05/1995		5.54	625.82
	02/02/1996		6.64	624.72
	05/05/1997		- -	
	01/21/1998		7.05	624.31
	08/12/1998		7.23	624.13
	02/11/1999		6.03	625.33
	08/25/1999		6.2	625.16
MW-9	01/21/1998	630.12	5.61	624.51
	08/05/1998		4.71	625.41
	02/11/1999		4.80	625.32
	08/25/1999		4.80	625.32
MW-10	01/21/1998	631.79	7.23	624.56
	08/12/1998		6.27	625.52
	02/11/1999		6.37	625.42
	08/25/1999		6.54	625.25
PZ-1	09/20/1995	632.28	7.38	624.90
	10/06/1995		7.38	624.90
	12/05/1995		6.96	625.32
	02/02/1996		7.54	624.74
	05/05/1997		7.45	624.83
	01/21/1998		7.86	624.42
	08/05/1998		7.19	625.09
Abandoned during excavation				
PZ-2	09/20/1995	629.1	4.36	624.74
	10/06/1995		4.40	624.70
	12/05/1995		4.05	625.05
	02/02/1996		4.42	624.68
	05/05/1997		4.31	624.79
	01/21/1998		4.66	624.44
	08/12/1998		3.77	625.33
	02/11/1999		3.91	625.19
	08/05/1999		4.02	625.08
VES-1	12/05/1995	628.99	4.18	624.81
VP-1	12/05/1995	629.11	4.02	625.09
	02/02/1996		4.50	624.61

Notes:
1. Elevations are in feet above mean sea level.
2. Monitoring wells MW-9 and MW-10 were installed on 12-22-97
3. - - = water level not collected



CITY OF MILWAUKEE - FORESTRY SERVICE 5230 WEST STATE STREET, MILWAUKEE, WI			SIGMA ENVIRONMENTAL SERVICES INC.
DATE: 8-27-99	DR. BY: BEB	DR.# 4136-008	SCALE: 1" = 30'
GROUNDWATER CONTOUR MAP (8-25-99)			FIGURE 1

cc: V. Gupta
G. Kulwicki
D. Nelson

liker.doc

City of Milwaukee

Department of Public Works
Operations Division
Buildings and Fleet Services

Mariano A. Schifalacqua
Commissioner of Public Works

James P. Purko
Director of Operations

Venu J. Gupta
Buildings & Fleet Services Director

January 28, 2003

Mr. Tom Liker
Heat Treating Engineering, Inc.
1146 North 54th Street
Milwaukee, Wisconsin 53208

Dear Mr. Liker:

Subject: Site Investigation and Remediation at
Central Forestry/Sanitation Headquarters
5230 West State Street
Milwaukee, Wisconsin

The Wisconsin Department of Natural Resources has granted case closure at the above referenced site pending the completion of a GIS Registry. Since the groundwater's contamination appears to have originated at our Central Forestry/Sanitation Headquarters, neither you nor any subsequent owner is held responsible. The environmental consultant investigating the contamination assures us this contamination is stable and will naturally degrade over time.

For case closure, all properties within the site boundaries where groundwater contamination exceeds Chapter NR 140 Groundwater Enforcement Standards will be listed on the Department of Natural Resources' geographic information system (GIS) Registry of Closed Remediation Sites. The information on the GIS Registry includes maps showing the location of properties in Wisconsin where groundwater contamination above Chapter NR 140 Enforcement Standards were found at a the time that the case was closed. This GIS Registry will be available to the general public on the Department of Natural Resources internet website.

Groundwater contamination that appears to have originated on our property located at 5230 West State Street. The levels of cis.-1.2 Dichloroethyne and Trichloroethene contamination in the groundwater on your property are above the State Groundwater Enforcement Standards or preventative action limits found in Chapter NR 140, Wisconsin Administrative Code. However, the environmental consultants who have investigated this contamination have informed us that this groundwater contamination plume is stable or receding and will naturally degrade over time. We believe that allowing natural attenuation to complete the cleanup at this site will meet the requirements for case closure that are found in Chapter 716, Wisconsin Administrative Code. This site has been granted case closure by the Wisconsin Department of Natural Resources and has accepted natural attenuation as the final remedy for this site. Closure means that the department will not be requiring any further investigation or cleanup action to be taken other than the reliance on natural attenuation.

Since the source of the groundwater contamination is not on your property, neither you nor any subsequent owner of your property will be held responsible for investigation or cleanup of the groundwater contamination as long as you and any subsequent owner owners comply with the requirements of Section 292.13, Wisconsin Statutes, including allowing access to your property for environmental investigation or cleanup if access is required. For further information on the requirements

of Section 292.13, Wisconsin Statutes, you may call 1-608-264-6020 if you are from out of the state or within the Madison area to obtain a copy of the Department of Natural Resources' publication #RR-589, Fact Sheet 10: Guidance for Dealing with Properties Affected by Off-Site Contamination.

Should you or any subsequent property owner wish to construct or reconstruct a well on your property, special well construction standards may be necessary to protect the well from the residual groundwater contamination. Any well driller who proposes to construct a well on your property in the future will need to call the Digger's Hotline (1-800-242-8511) if your property is located outside of the service area of a municipally owned water system, or contact the Drinking Water Program within the Department of Natural Resources if your property is located within the designated service area of a municipally owned water system to determine if there is a need for special well construction standards.

As an affected property owner, you have a right to contact the Wisconsin Department of Natural Resources to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information to the Department of Commerce that is relevant to case closure, you should mail that information to: John Hnat, Department of Natural Resources, 2300 North Martin Luther King Drive, P. O. Box 12436, Milwaukee, Wisconsin 53212.

Please review the enclosed legal description of your property listed on the current deed which is attached, and notify me within the next 30 days if the legal description is incorrect. A copy of the letter granting case closure for our site from the Wisconsin Department of Natural Resources is also enclosed.

If you need more information, you may contact me at 414-286-3295 or at the City of Milwaukee Department of Public Works, Buildings and Fleet Services, 841 North Broadway, Room 602, Milwaukee, Wisconsin 53202.

Sincerely,

Dennis Nelson

DENNIS NELSON, Project Manager
Buildings and Fleet Services.

DN/mbm

Enclosure

City of Milwaukee, the responsible party for the property located at 5230 W State Street, Milwaukee, Wisconsin, states that the legal description provided to the Wisconsin Department of Natural Resources (and attached to this statement) for case file reference 03-41-002037 is complete and accurate to the best of our knowledge.

Dennis C. Nelson

Signature of Representative for Responsible Party:

5-13-03

Date: