

## GIS REGISTRY INFORMATION

<b>SITE NAME:</b>	City Of Brookfield Garage			<b>FID #</b>	
<b>BRRTS #:</b>	03-68-003330			<b>(if appropriate):</b>	
<b>COMMERCE #</b> (if appropriate):	53045-9999-50				
<b>CLOSURE DATE:</b>	February 12, 2004				
<b>STREET ADDRESS:</b>	19450 Riverview Dr				
<b>CITY:</b>	Brookfield				
<b>SOURCE PROPERTY GPS COORDINATES</b> (meters in WTM91 projection):	<b>X =</b>	670936	<b>Y =</b>	290388	
<b>CONTAMINATED MEDIA:</b>	Groundwater	<input type="checkbox"/> N	Soil	<input checked="" type="checkbox"/> Y	Both <input type="checkbox"/> N
<b>OFF-SOURCE GW CONTAMINATION &gt;ES:</b>		<input type="checkbox"/> N		<input type="checkbox"/> No	
<b>• IF YES, STREET ADDRESS:</b>					
<b>• GPS COORDINATES</b> (meters in WTM91 projection):	<b>X =</b>		<b>Y =</b>		
<b>OFF-SOURCE SOIL CONTAMINATION</b> >Generic or Site-Specific RCL (SSRCL):		<input type="checkbox"/> N		<input type="checkbox"/> No	
<b>• IF YES, STREET ADDRESS 1:</b>					
<b>• GPS COORDINATES</b> (meters in WTM91 projection):	<b>X =</b>		<b>Y =</b>		
<b>CONTAMINATION IN RIGHT OF WAY:</b>	<input type="checkbox"/> N		<input type="checkbox"/> No		
<b><u>DOCUMENTS NEEDED</u></b>					
Closure Letter, and any conditional closure letter issued					<input checked="" type="checkbox"/>
Copy of most recent deed, including legal description, for all affected properties					<input checked="" type="checkbox"/>
Certified survey map or relevant portion of the recorded plat map (if referenced in the legal description) for all affected properties					<input checked="" type="checkbox"/>
County Parcel ID number, if used for county, for all affected properties					<input checked="" type="checkbox"/>
Location Map which outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy). If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site.					<input checked="" type="checkbox"/>
Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy) This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ESs and soil contamination exceeding ch. NR 720 generic or SSRCLs.					<input checked="" type="checkbox"/>
Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)					<input type="checkbox"/>
Tables of Latest Soil Analytical Results (no shading or cross-hatching)					<input checked="" type="checkbox"/>
Isoconcentration map(s), if required for site investigation (SI) (8.5x14" if paper copy). The isoconcentration map should have flow direction and extent of groundwater contamination defined. If not available, include the latest extent of contaminant plume map.					<input checked="" type="checkbox"/>
GW: Table of water level elevations, with sampling dates, and free product noted if present					<input checked="" type="checkbox"/>
GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)					<input checked="" type="checkbox"/>
SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour					<input checked="" type="checkbox"/>
Geologic cross-sections, if required for SI. (8.5x14" if paper copy)					<input checked="" type="checkbox"/>
RP certified statement that legal descriptions are complete and accurate					<input checked="" type="checkbox"/>
Copies of off-source notification letters (if applicable)					<input type="checkbox"/>
Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)					<input type="checkbox"/>
Copy of (soil or land use) deed restriction(s) or deed notice if any required as a condition of closure					<input type="checkbox"/>



ENVIRONMENTAL & REGULATORY SERVICES DIVISION  
BUREAU OF PECFA  
101 West Pleasant Street, Suite 100A  
Milwaukee, Wisconsin 53212-3963  
TDD #: (608) 264-8777  
Fax #: (414) 220-5374  
<http://www.commerce.wi.gov>  
<http://www.wisconsin.gov>  
Jim Doyle, Governor  
Cory L. Nettles, Secretary

March 15, 2004

Mr. Thomas Grisa  
City of Brookfield  
2000 N. Calhoun Rd.  
Brookfield, WI 53005

RE: **Final Closure**

**Commerce # 53045-9999-50B**                      **WDNR BRRTS # 03-68-003330**  
City Of Brookfield Garage, 19450 Riverview Dr., Brookfield

Dear Mr. Grisa:

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

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

Thank you for your efforts to bring this case to closure. If you have any questions, please contact me in writing at the letterhead address or by telephone at (414) 220-5375.

Sincerely,

A handwritten signature in black ink, appearing to read 'Greg Michael', written over a horizontal line.

Greg Michael  
Hydrogeologist  
Site Review Section

cc: Sigma Environmental Services, Inc.  
Case File

MAR 15 01 00 25 73

CORRECTIVE QUITCLAIM DEED

Document Title

2633131

REGISTER'S OFFICE  
WAUKESHA COUNTY, WI  
RECORDED ON

03-15-2001 2:55 PM

MICHAEL J. HASSLINGER  
REGISTER OF DEEDS

REC. FEE: 12.00  
REC. FEE-CO: 4.00  
REC. FEE-ST: 2.00  
TRAN. FEE:  
TRAN. FEE-STATE:  
PAGE(S): 5

Recording Area

Name and Return Address

City Attorney's Office  
City of Brookfield  
2000 N. Calhoun Road  
Brookfield, WI 53005

BRC 1073.975.002

Parcel Identification Number (PIN)

*See  
18/5  
BRC*

CITY OF BROOKFIELD  
CITY OF BROOKFIELD

03 SEP -4 PM 3:15

THIS DEED made this 19<sup>th</sup> day of February, 2001, for the purpose of correcting the legal description of that estate conveyed in QUITCLAIM DEED dated December 28, 2000, recorded January 10, 2001, as Document #2615845 in the County of Waukesha, State of Wisconsin.

CMC HEARTLAND PARTNERS, a Delaware general partnership with an office at 330 North Jefferson Court, Suite 305, Chicago, Illinois 60661 ("Grantor"), for and in consideration of the sum of TEN DOLLARS (\$10.00), and other good and valuable consideration, the receipt and sufficiency whereof are hereby acknowledged, does hereby CONVEY and QUITCLAIM, unto CITY OF BROOKFIELD, whose address is 2000 N. Calhoun Road, Brookfield, WI 53005-5095, ("Grantee"), subject to any and all exceptions and reservations hereinafter set forth, all of the Grantor's interest, if any, in the following described real estate situated and being in the County of Waukesha, State of Wisconsin, ("the Property"), to-wit:

All that part of Southeast Quarter of the Northeast Quarter (SE $\frac{1}{4}$ NE $\frac{1}{4}$ ) of Section 17, in Township 7 North, Range 20 East, being that part of lands lying west of the centerline of Brookfield Road, south of the South line of the CP Rail right of way, north of the lands described in Document No. 2582813, in the City of Brookfield, Waukesha County, Wisconsin. Said lands being depicted as the shaded area on the attached Exhibit "A".

This conveyance is subject to general real estate taxes and to any and all covenants, leases, licenses, easements, restrictions, and conditions of any kind or character, including but not limited to, building ordinances, codes or laws, public or private roadways and alleys, whether or not of record.

GRANTOR reserves unto itself, its successors, grantees and assigns, the right and privilege in the form of an easement in gross for the continued maintenance, operation and use of all existing conduits, sewers, water mains, gas lines, electric power lines, wires and other utilities and easements of any kind whatsoever on said Property, whether or not of record, including the repair, reconstruction and replacement thereof, unless otherwise provided for herein and a further reservation of the right and privilege of the Grantor, its successors, grantees and assigns to convert any existing

FEE  
# 77.25 (20)  
EXEMPT

leases, licenses and agreements for conduits, sewers, water mains, gas lines, electric power lines, wires and other utilities to permanent easements by issuance of a suitable grant in recordable form.

IN WITNESS WHEREOF, this instrument is executed by Grantor, this 19<sup>th</sup> day of February, 20 01.

CMC HEARTLAND PARTNERS, a Delaware general partnership

By HEARTLAND TECHNOLOGY, INC., its managing general partner

ATTEST: [Signature]  
LAWRENCE S. ADELSON  
ASSISTANT SECRETARY

By: [Signature]  
RICHARD P. BRANDSTATTER  
VICE PRESIDENT - FINANCE

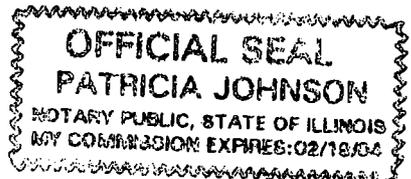
STATE OF ILLINOIS )  
                                  ) SS  
COUNTY OF COOK    )

On the date above noted, before me, the undersigned, a Notary Public in and for the county and state aforesaid, do hereby certify that Richard P. Brandstatter, personally known to me to be the Vice President - Finance of HEARTLAND TECHNOLOGY, INC., a Delaware corporation and managing general partner of CMC HEARTLAND PARTNERS, a Delaware general partnership, and Lawrence S. Adelson, personally known to me to be the Assistant Secretary of said corporation and general partnership, personally known to me to be the same persons whose names are subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that as such Vice President - Finance and Assistant Secretary of said corporation, they executed the foregoing instrument pursuant to authority given by the Board of Directors of said corporation as their free and voluntary act, and as the free and voluntary act and deed of said corporation for the uses and purposes therein set forth.

Given under my hand and seal this 19<sup>th</sup> day of February, ~~19~~ 2001.

[Signature]  
Notary Public

My commission expires: 2-19-2004



SECRETARY'S CERTIFICATE

I, Richard P. Brandstatter, do hereby certify that I am the duly elected and qualified Secretary and the keeper of the records and corporate seal of Heartland Technology, Inc., a corporation organized and existing under the laws of the State of Delaware, whose name was changed from Milwaukee Land Company ("MLC"), effective October 31, 1997, and Managing General Partner of CMC Heartland Partners, a Delaware general partnership, and that on September 14, 1990, the Board of Directors of Milwaukee Land Company, as Managing General Partner of CMC Heartland Partners (the "Board") reaffirmed the following resolutions which were originally adopted by the Board on November 7, 1988:

*RESOLVED, that the President and Chief Executive Officer of CMC Heartland Partners has the authority to approve all sales and purchases of assets involving amounts less than \$1 million;*

...

*RESOLVED, that in addition to the foregoing resolutions, the authority and the duties of the officers of MLC shall be as set forth below:*

...

*President - The President shall be the Chief Executive Officer of MLC and shall have general charge, control and supervision over the management and direction of the business, property and affairs of MLC, subject to the control and direction of the Board of Directors and the Executive Committee of the Board of Directors of Milwaukee Land Company. He shall consult with the Chairman of the Board and the Chairman of the Executive Committee concerning the affairs of MLC and the Partnerships, the preparation of the annual budgets and on matters of general policy affecting the business and operation of MLC and the Partnerships. The President is authorized to sign, execute and acknowledge, in the name and on behalf of MLC on its own behalf, as General Partner of Heartland Partners and as Managing General Partner of CMC Heartland Partners, all deeds, mortgages, bonds, notes, debentures, stock certificates, contracts, leases, reports and other documents and instruments, except where the signing and execution thereof by some other officer, agent or representative shall be expressly authorized and directed by the Board of Directors of Milwaukee Land Company. Unless otherwise provided by law or the Board of Directors of Milwaukee Land Company, the President may authorize any officer, employee or agent of MLC or either partnership to sign, execute and acknowledge, in the name and on behalf of MLC on its own behalf, as General Partner of Heartland Partners and as Managing General Partner of CMC Heartland Partners, and in his place and stead, all such documents and instruments. The President shall have other powers and perform such other duties as from time to time may be prescribed by the Board of Directors of Milwaukee Land Company, the Executive Committee of the Board of Directors of Milwaukee Land Company, the Chairman*

MAR 15 01 00 25 76

of the Board of Milwaukee Land Company or the Chairman of the Executive Committee of Milwaukee Land Company.

*The Vice President-Finance - shall have such powers and perform such duties as from time to time may be assigned to him by the Board of Directors or the Executive Committee of Milwaukee Land Company, or be delegated to him by the President, including, unless otherwise ordered by the Board of Directors or the Executive Committee of Milwaukee Land Company, the power to execute and deliver all documents and instruments that the President is authorized to execute and deliver. The Vice President-Finance shall have general supervision and charge over the financial affairs of MLC and both Partnerships, subject to the control of the Board of Directors, the Executive Committee of Milwaukee Land Company and the Chairman of the Board and the President.*

And I do further certify that set forth below is a true and correct copy of a resolution which was adopted by the Board of Directors of Heartland Technology, Inc, at a properly noticed meeting of the Board of Directors held on February 23, 2000:

*WHEREAS: This Board has previously delegated to the President of CMC Heartland Partners the authority to approve sales of real estate up to \$1 Million without further authority of this Board: and*

*WHEREAS: It now appears that in light of the passage of time and the activities contemplated by CMC Heartland Partners that an increase of the delegation to \$2.5 Million will provide for the efficient operation of CMC Heartland's business without sacrificing the oversight of this Board on major business decisions; it is therefore*

*RESOLVED: that the President of CMC Heartland Partners has the authority to approve sales of real estate up to \$2.5 Million without further action by the Board of Directors and the officers of CMC Heartland Partners have the further authority to take such actions and execute and deliver such documents as are reasonably required in connection with such sales of real estate as have been approved by the President pursuant to this delegation.*

...

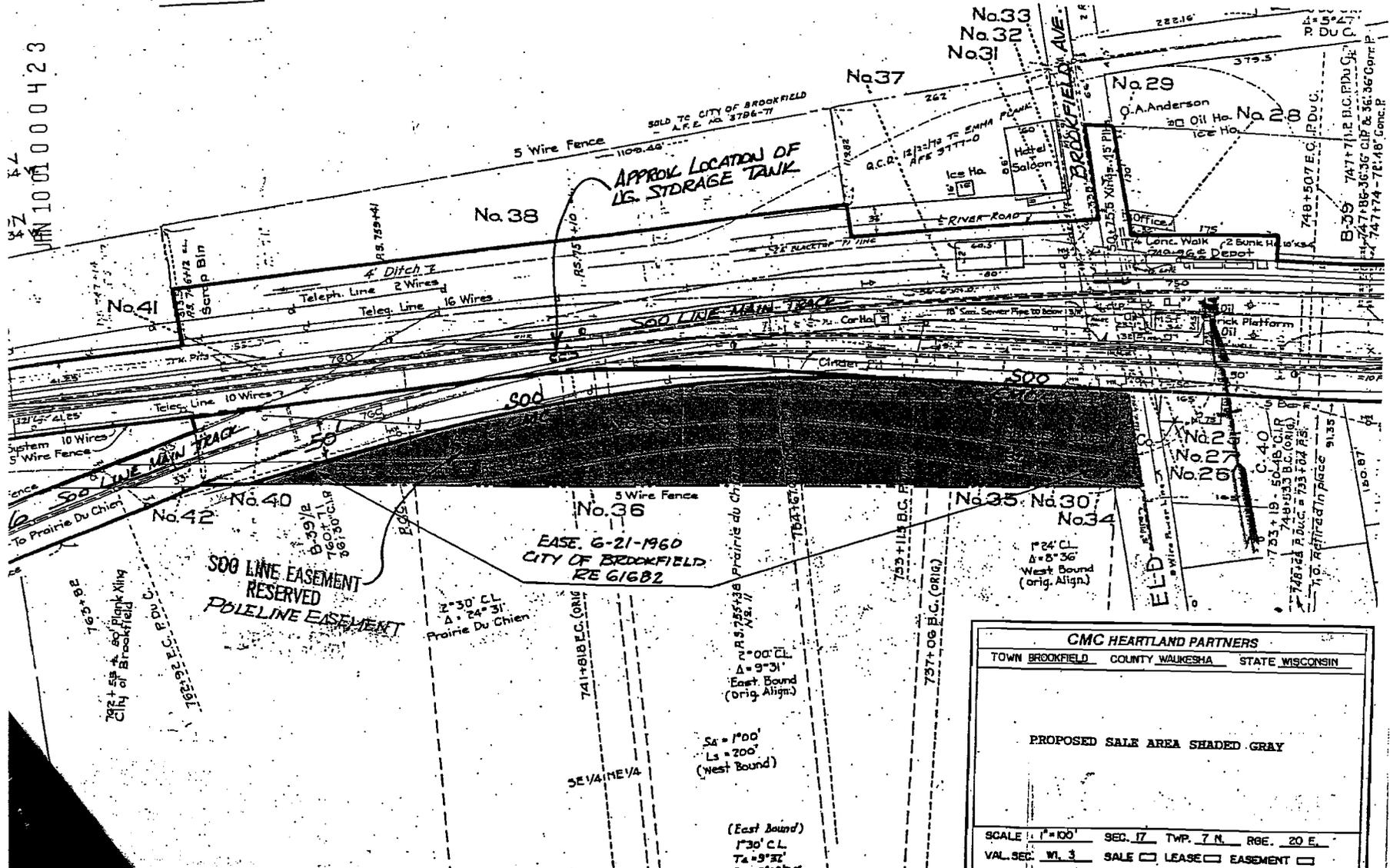
IN WITNESS WHEREOF, I have subscribed my name as Secretary and have caused the corporate seal of Heartland Technology, Inc. to be hereunto affixed this 19<sup>th</sup> day of February, 2001.

*Richard P. Brandstatter*

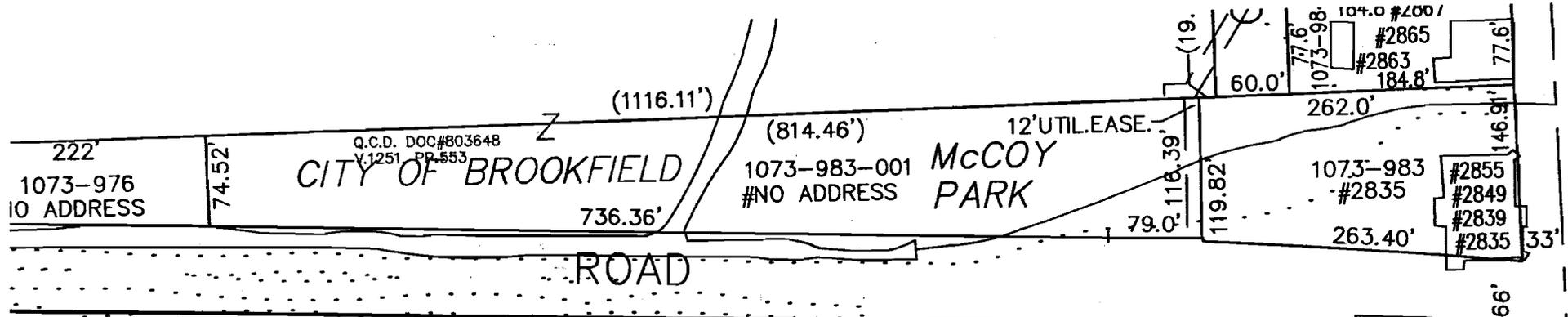
Richard P. Brandstatter  
Secretary

Exhibit A

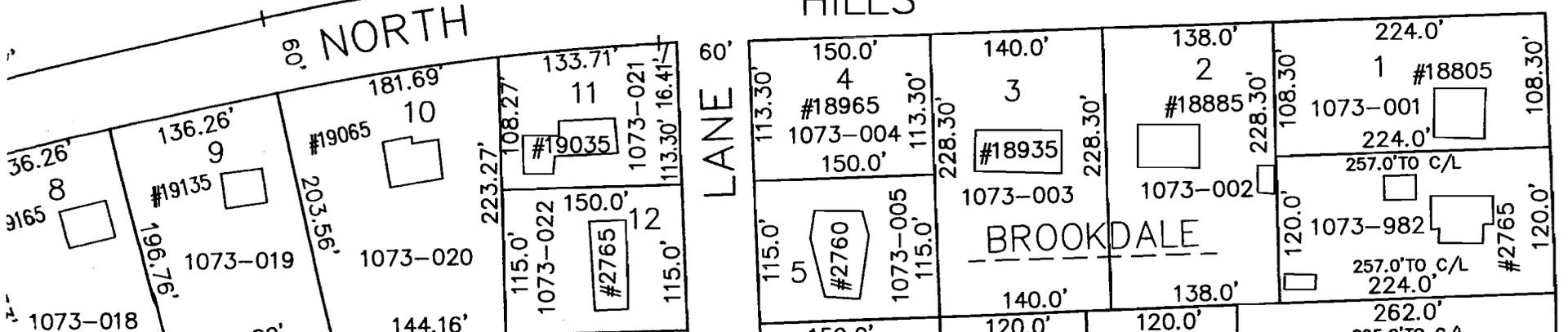
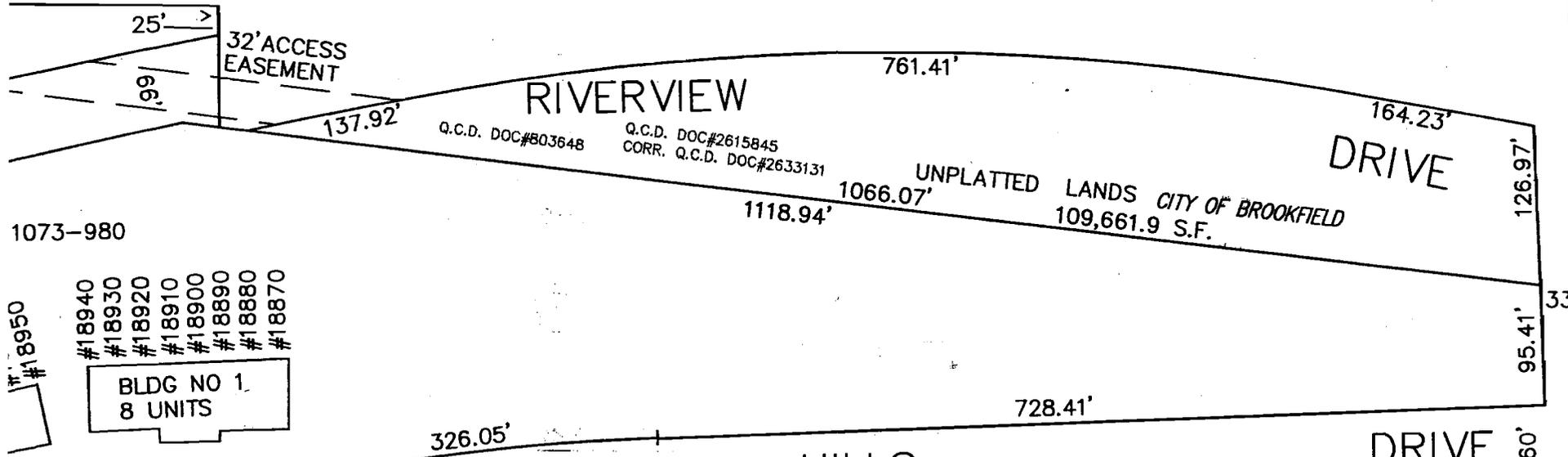
47  
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<b>CMC HEARTLAND PARTNERS</b>		
TOWN BROOKFIELD	COUNTY WAUKESHA	STATE WISCONSIN
PROPOSED SALE AREA SHADED GRAY		
SCALE 1" = 100'	SEC. 17	TWP. 7 N. RGE. 20 E.
VAL. SEC. W. 3	SALE <input type="checkbox"/>	LEASE <input type="checkbox"/>
	EASEMENT <input type="checkbox"/>	



82.5' SYSTEM



N 00-59

2663.00'

FIELD

1070

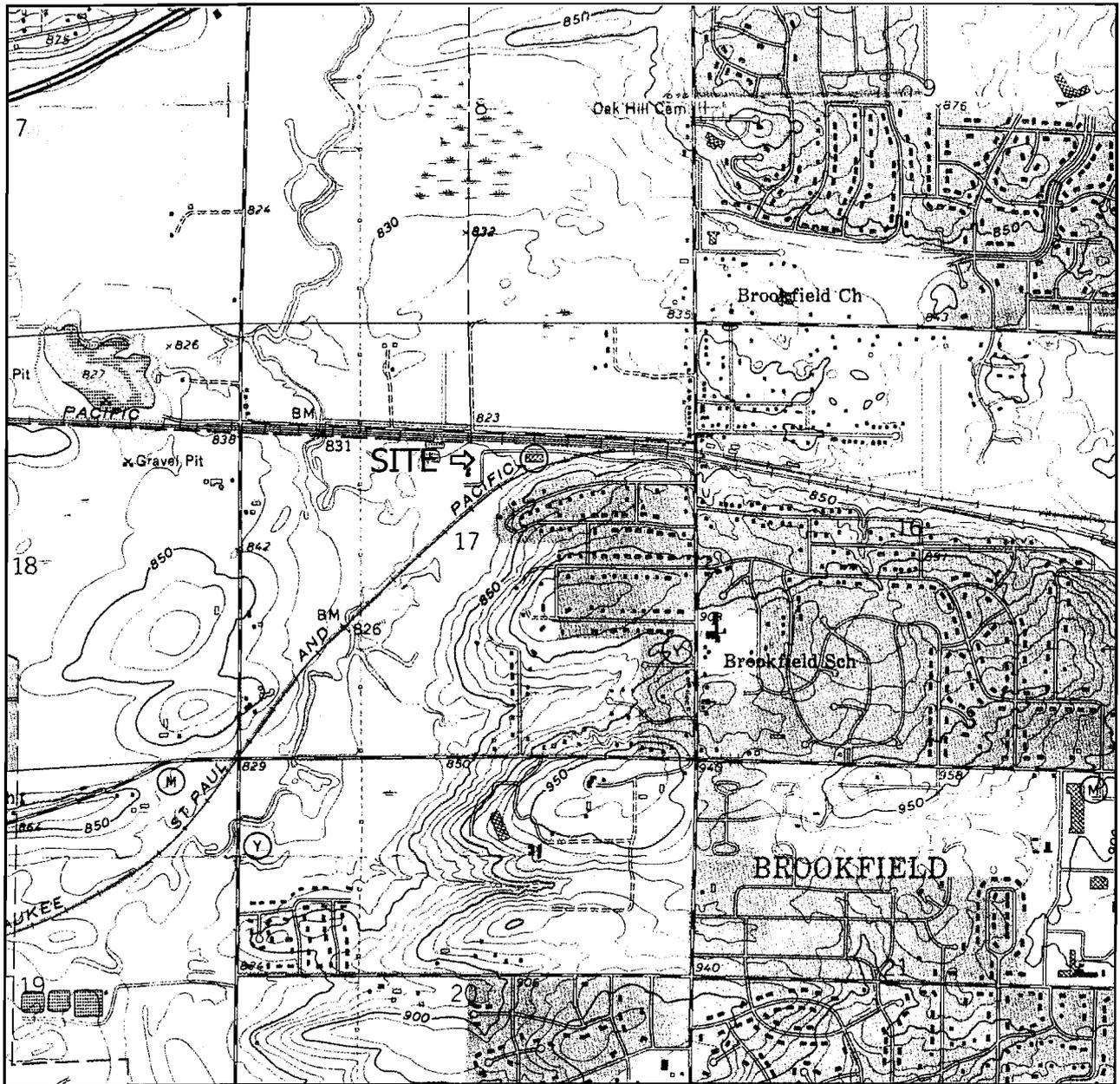
Property Identification Numbers for GIS Packet  
The City of Brookfield, Municipal Garage – Recycle Waste Oil Site  
BRRTs No. 03-68-003330

The Source Property:

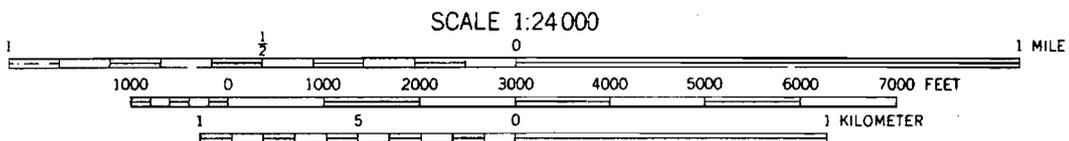
City of Brookfield  
Municipal Garage – Recycle Waste Oil Site  
19450 Riverview Drive  
Brookfield, WI 53045  
Tax Key No. 1074-999

Off-Site Property:

There are no off-site properties.



SW ¼ of the NE ¼ Sec.17, T7N, R20E Adapted from U.S.G.S. 7.5 minute series, Waukesha , (dated 1959, photorevised 1971 and photoinspected 1976) Wisconsin, quadrangle.

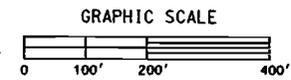
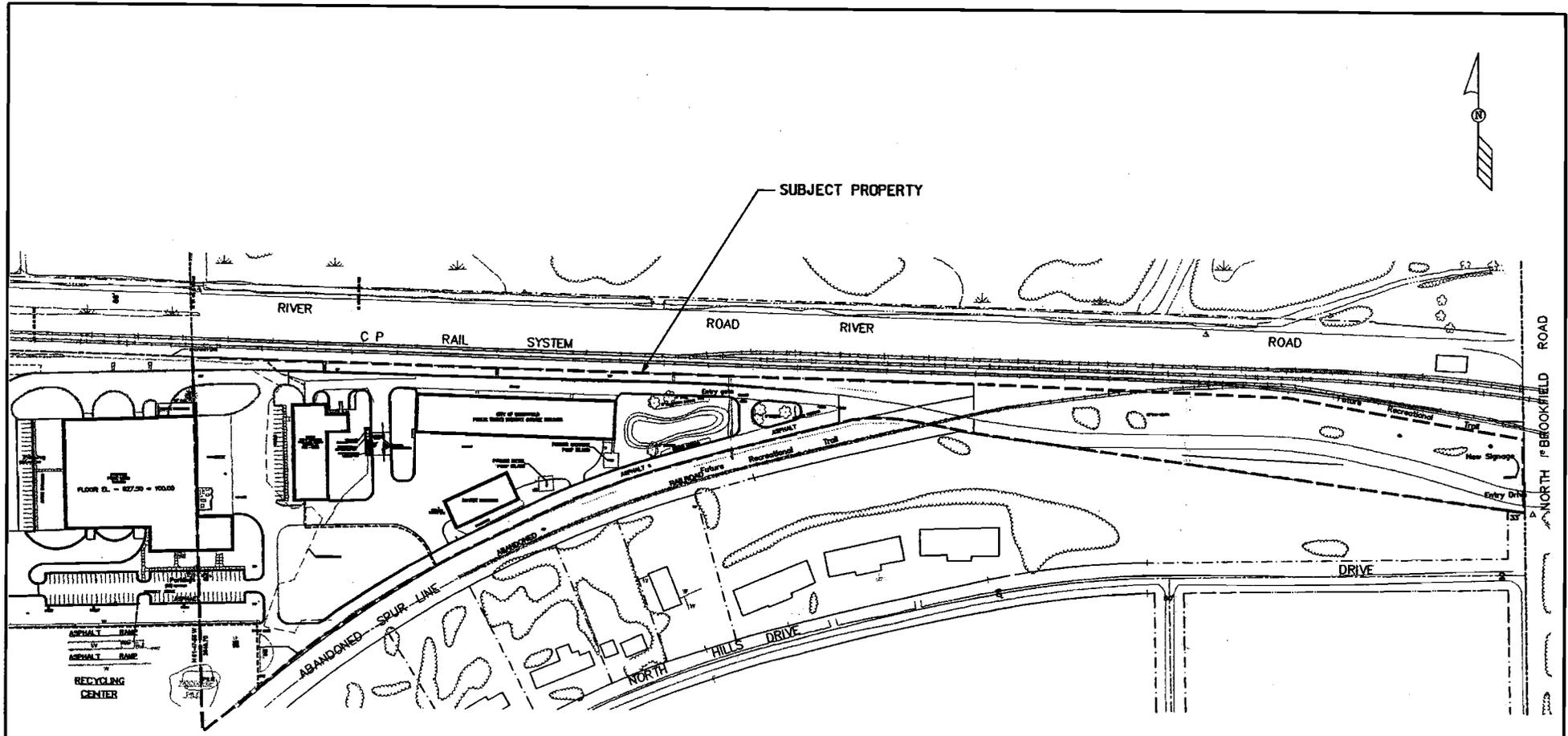


CONTOUR INTERVAL 10 FEET  
 DOTTED LINES REPRESENT 5-FOOT CONTOURS  
 DATUM IS MEAN SEA LEVEL

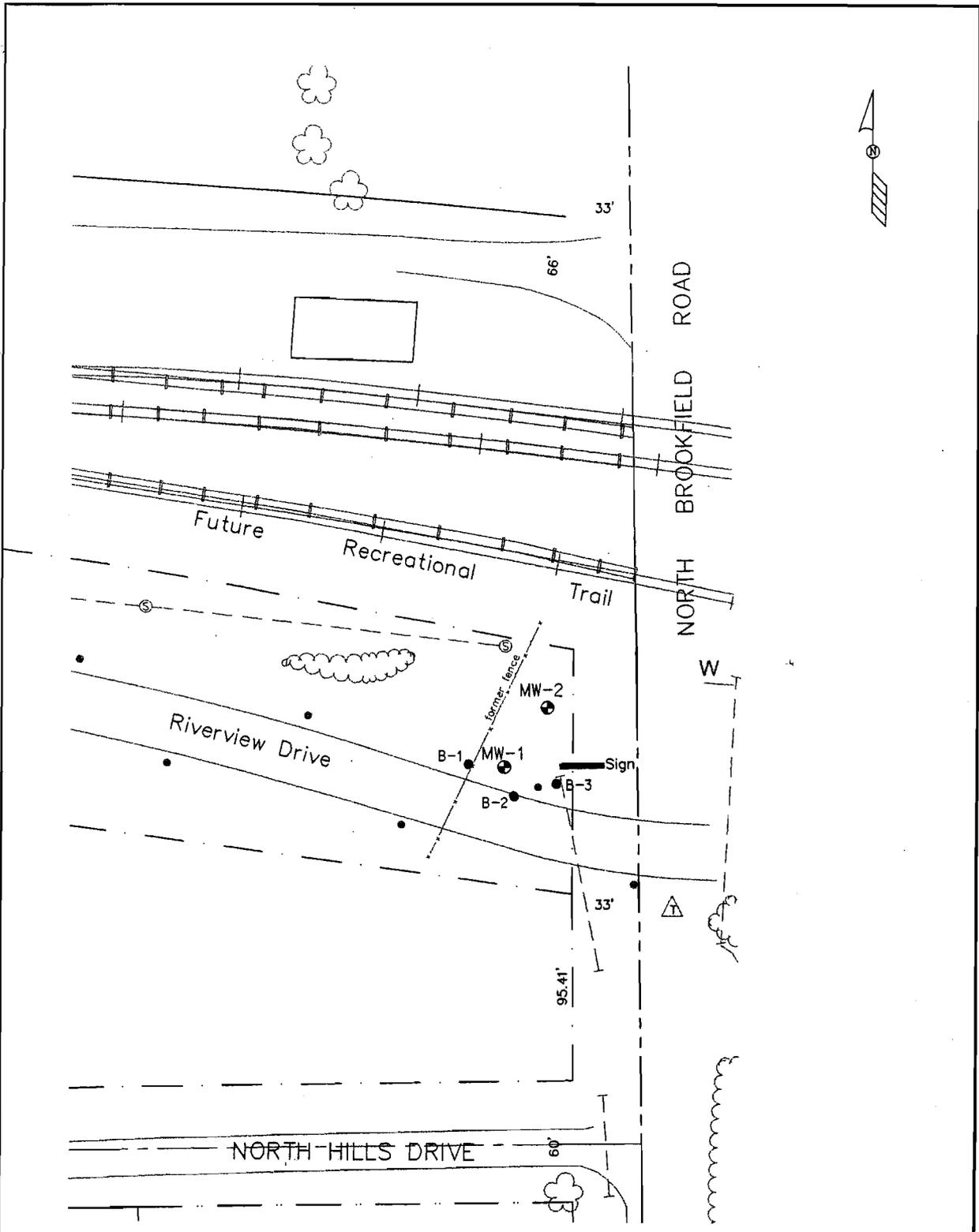


**Figure 1. Site Location Map**  
 City of Brookfield Municipal Garage Site  
 19450 Riverview Dr, Brookfield, Wisconsin

**SIGMA**  
 ENVIRONMENTAL SERVICES INC.



CITY OF BROOKFIELD - MUNICIPAL GARAGE			
BROOKFIELD, WI			
DATE: 9-2-03	DR. BY: BEB	DR.# 7843-004	SCALE: 1" = 200'
SITE FEATURES MAP			FIGURE 2



**LEGEND**

- = SOIL BORING LOCATION
- ⊕ = MONITORING WELL LOCATION
- = PROPERTY LINE



CITY OF BROOKFIELD - MUNICIPAL GARAGE		
BROOKFIELD, WI		
DATE: 9-2-03	DR. BY: BEB	DR.# 7843-003
SITE PLAN MAP		SCALE: 1" = 50'
		FIGURE 3

**Table 2**  
**Soil Quality Results - Recycle Waste Oil Area**  
**City of Brookfield - Municipal Garage**  
**Sigma Project No. 7843**

Soil Boring Identification:		B-1		B-2		B-3		MW-1		MW-2		Interim	NR	NR	NR
Sample Depth (ft):		0-2	6-8	2-4	4-6	2-4	6-8	2-4	6-8	0-2	6-8	PAH	720	746	746
Collection Date:		7/17/03	7/17/03	7/17/03	7/17/03	7/17/03	7/17/03	7/17/03	7/17/03	7/17/03	7/17/03	RCL	RCL	Table 1	Table 2
Parameter	Units														
Cadmium	mg/kg	<0.097	<0.029	<0.004	<0.585	<0.620	<0.622	<0.647	<0.626	<0.620	<0.621	NS	510	NS	NS
Lead	mg/kg	13.4	5.41	6.03	8.48	12.7	4.99	11.5	10.4	28.8	4.35	NS	500	NS	NS
<b>Detected VOCs/PVOCs</b>															
Benzene	µg/kg	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	5.5	8,500	1,100
1,2-Dichloroethane	µg/kg	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	4,900	600	540
Ethylbenzene	µg/kg	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	32.4	<25.0	NS	2,900	4,600	NS
Isopropylbenzene	µg/kg	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	41.8	49.8	<25.0	<25.0	NS	NS	NS	NS
Methyl tert-butyl ether	µg/kg	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS	NS
Naphthalene	µg/kg	<25.0	<25.0	<25.0	<25.0	86.5	1580	<25.0	<25.0	<25.0	<25.0	NS	NS	2,700	NS
Toluene	µg/kg	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	1,500	38,000	NS
1,2,4-Trimethylbenzene	µg/kg	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	83,000	NS
1,3,5-Trimethylbenzene	µg/kg	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	11,000	NS
Xylenes (Total)	µg/kg	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	55	67.8	<25.0	<25.0	NS	4,100	42,000	NS
<b>Detected PAHs</b>															
Benzo (a) anthracene	µg/kg	<69.7	<62.9	<80.4	<58.5	68	<62.2	<64.7	<62.6	<62.0	<62.1	3,900	NS	NS	NS
Benzo (a) pyrene	µg/kg	<6.97	<6.29	<6.04	<5.85	101	20	8.35	<6.26	49.3	<6.21	390	NS	NS	NS
Benzo (b) fluoranthene	µg/kg	<69.7	<62.9	<60.4	<58.5	95.3	<62.2	<64.7	<62.6	<62.0	<62.1	3,900	NS	NS	NS
Dibenz (a,b) anthracene	µg/kg	<6.97	<6.29	<6.04	<5.85	8.18	<6.22	<6.47	<6.26	<6.20	<6.21	NS	NS	NS	NS
Fluoranthene	µg/kg	<139	<126	<121	<117	408	<124	<129	<125	192	<124	40,000,000	NS	NS	NS
Pyrene	µg/kg	<139	<126	<121	<117	137	<124	<129	<125	<124	<124	30,000,000	NS	NS	NS

**Notes:**

- Laboratory analyses performed by Great Lakes Analytical of Oak Creek, Wisconsin in accordance with EPA Method 6010 (Lead) and Method EPA 8021B (PVOCs).
- mg/kg = milligrams per kilogram (equivalent to parts per million)
- µg/kg = micrograms per kilogram (equivalent to parts per billion)
- NA= Not Analyzed
- Interim PAH RCL = WDNR Suggested Generic Residual Contaminant Level for Industrial Direct Contact Pathway.
- NR 720 RCL = Wisconsin Administrative Code, Chapter NR 720 generic Residual Contaminant Level (industrial land use RCLs for RCRA metals).
- NR 746 Table 1 = Wisconsin Administrative Code, Chapter NR 746, Table 1 soil screening level: Indicators of Residual Petroleum Products In Soil Pores.
- NR 746 Table 2 = Wisconsin Administrative Code, Chapter NR 746, Table 2: Protection of Human Health from Direct Contact with Contaminated Soil.
- NS = no standard
- Exceedances:
 

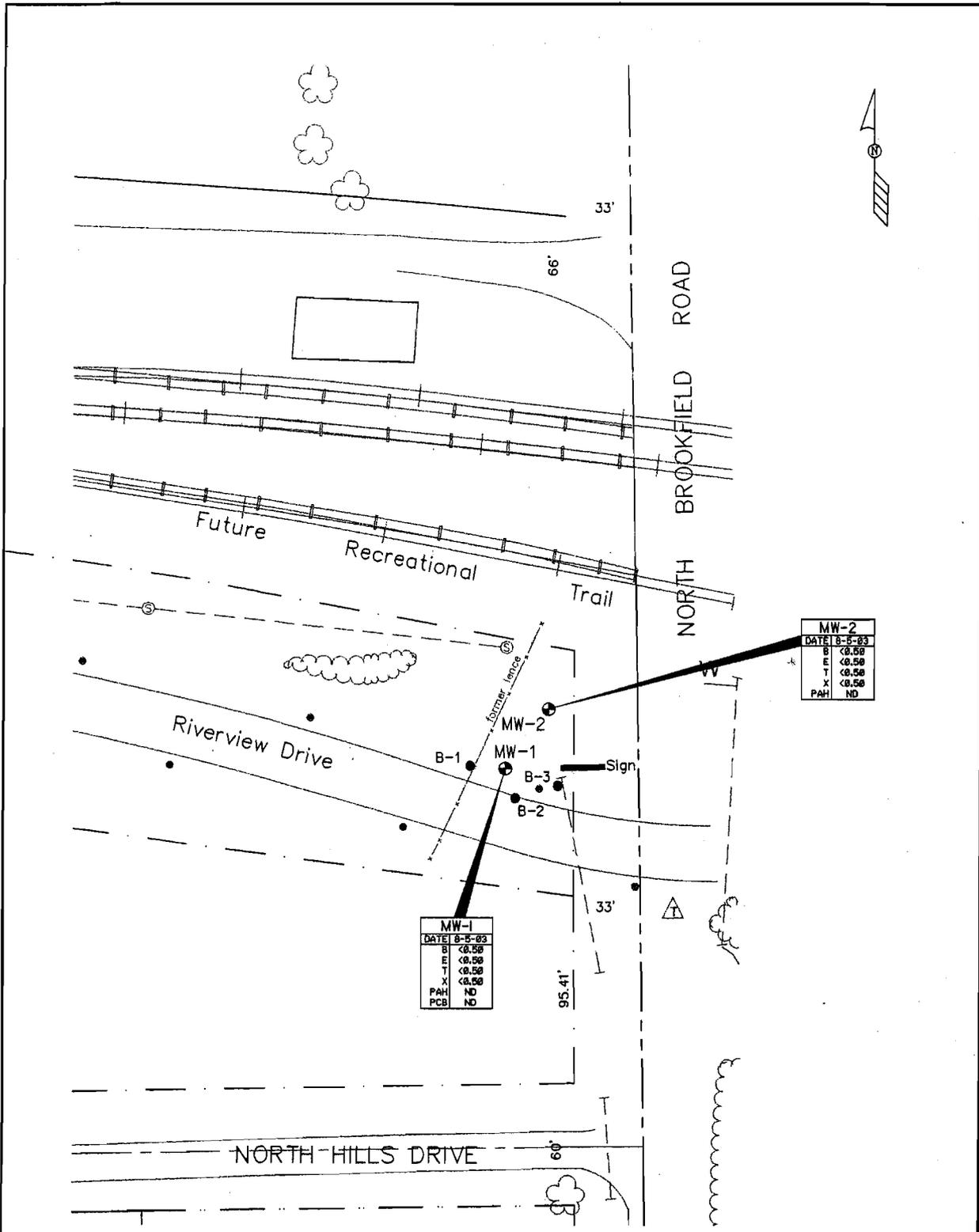
<b>bold</b>	=	Concentration exceeds NR 720 RCL
<b>box</b>	=	Concentration exceeds NR 746 Table 1 and Table 2 Values
- The methanol blank exhibited non-detectable concentrations of PVOCs.

**Table 3**  
**Groundwater Quality Results - Recycle Waste Oil Area**  
**City of Brookfield - Municipal Garage**  
**Sigma Project No. 7843**

Well ID:		MW-1	MW-2	NR 140	NR 140
Analytes	Date	08/05/03	08/05/03	ES	PAL
DRO	µg/L	177	267	NS	NS
Lead	µg/L	<b>8.19</b>	<b>8.25</b>	15	1.5
Cadmium	µg/L	<b>0.953</b>	<b>0.894</b>	5	0.5
<b>PVOCs/Detected VOCs</b>					
Benzene	µg/L	<0.50	<0.50	5	0.5
Ethylbenzene	µg/L	<0.50	<0.50	700	140
Methyl-tert-butyl-ether	µg/L	<0.50	<0.50	60	12
Toluene	µg/L	<0.50	<0.50	1,000	200
1,2,4-Trimethylbenzene	µg/L	<1.0	<1.0	NS	NS
1,3,5-Trimethylbenzene	µg/L	<1.0	<1.0	NS	NS
Total Trimethylbenzene	µg/L	<1.0	<1.0	480	96
Xylenes, Total	µg/L	<0.50	<0.50	10,000	1,000
<b>PAHs</b>					
Acenaphthene	µg/L	<5.0	<5.0	NS	NS
Acenaphthylene	µg/L	<5.0	<5.0	NS	NS
Anthracene	µg/L	<5.0	<5.0	3,000	600
Benzo(a)anthracene	µg/L	<0.1	<0.1	NS	NS
Benzo(a)pyrene	µg/L	<0.020	<0.020	0.2	0.02
Benzo(b)fluoranthene	µg/L	<0.020	<0.020	0.2	0.02
Benzo(g,h,i)perylene	µg/L	<5.0	<5.0	NS	NS
Benzo(k)fluoranthene	µg/L	<0.1	<0.1	NS	NS
Indeno(1,2,3-cd)pyrene	µg/L	<0.2	<0.2	NS	NS
Chrysene	µg/L	<0.02	<0.02	0.2	0.02
Dibenzo(a,h)anthracene	µg/L	<0.10	<0.10	NS	NS
Fluoranthene	µg/L	<5.0	<5.0	400	80
Fluorene	µg/L	<5.0	<5.0	400	80
2-Methylnaphthalene	µg/L	<5.0	<5.0	NS	NS
1-Methylnaphthalene	µg/L	<5.0	<5.0	NS	NS
Naphthalene	µg/L	<5.0	<5.0	40	8
Phenanthrene	µg/L	<5.0	<5.0	NS	NS
Pyrene	µg/L	<5.0	<5.0	250	50
<b>PCBs</b>					
PCB-1016	µg/L	<0.50	NA	NS	NS
PCB-1221	µg/L	<0.50	NA	NS	NS
PCB-1232	µg/L	<0.50	NA	3,000	600
PCB-1242	µg/L	<0.50	NA	NS	NS
PCB-1248	µg/L	<0.50	NA	0.2	0.02
PCB-1254	µg/L	<0.50	NA	0.2	0.02
PCB-1260	µg/L	<0.50	NA	NS	NS
<b>Biofeasibility Measurements</b>					
pH	IU	7	7	NS	NS
Temperature	° C	13.5	12.9	NS	NS
Ferrous Iron	mg/l	0.0	0.0	NS	NS
Dissolved Oxygen	mg/l	0.2	0.24	NS	NS
Redox Potential	mV	+36.6	+16.4	NS	NS

**Notes:**

- Groundwater samples collected by Sigma and submitted to Great Lakes Analytical for analysis.
- NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard.
- NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit.
- NS = no standard
- µg/L = micrograms per liter (equivalent to parts per billion, ppb)
- mg/L = milligrams per liter (equivalent to parts per million, ppm)
- NA = Not Analyzed
- Q = Results are qualified due to the uncertainty of the parameter
- Equipment blanks: All VOCs reported below laboratory detection limits
- Trip blanks: All VOCs reported below laboratory detection limits
- Exceedances: **bold, box** = Concentration exceeds NR 140 ES  
**bold, italics** = Concentration exceeds NR 140 PAL



MW-2	
DATE	8-5-03
B	<0.50
E	<0.50
T	<0.50
X	<0.50
PAH	ND

MW-1	
DATE	8-5-03
B	<0.50
E	<0.50
T	<0.50
X	<0.50
PAH	ND
PCB	ND

ANALYTICAL KEY	
B	= BENZENE
E	= ETHYLBENZENE
T	= TOLUENE
X	= TOTAL XYLENES
PAH	= POLYNUCLEAR AROMATIC HYDROCARBONS
PCB	= POLYCHLORINATED BIPHENYLS
ND	= NOT DETECTED
ALL CONCENTRATIONS EXPRESSED IN MICROGRAMS PER LITER (UG/L)	

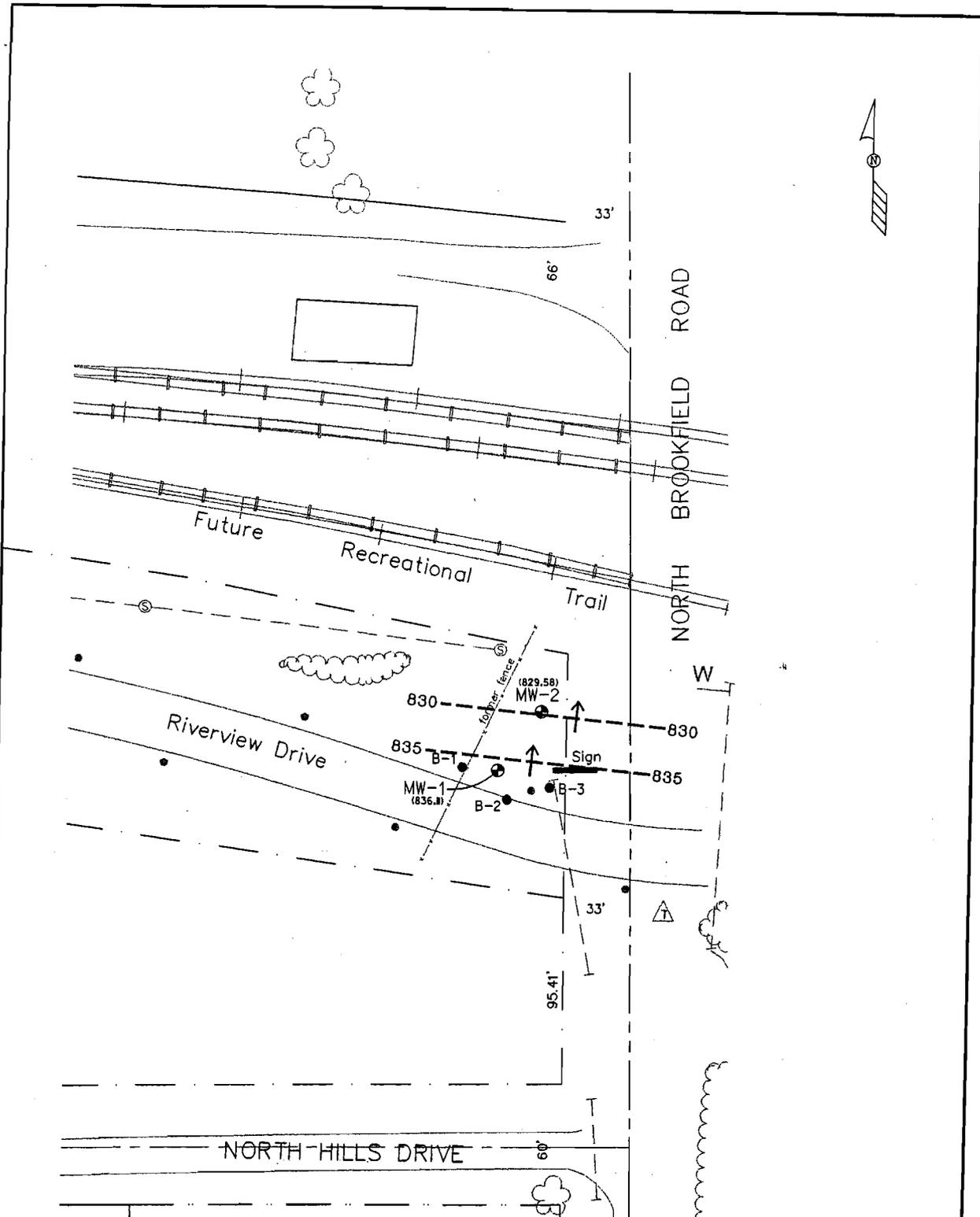
LEGEND	
●	= SOIL BORING LOCATION
⊕	= MONITORING WELL LOCATION
---	= PROPERTY LINE



CITY OF BROOKFIELD - MUNICIPAL GARAGE			
BROOKFIELD, WI			
DATE: 9-24-03	DR. BY: BEB	DR.# 7843-016	SCALE: 1" = 50'
GROUNDWATER QUALITY MAP			FIGURE 8

**Table 1**  
**Groundwater Elevation Data**  
**Municipal Garage - Recycle Waste Oil Area**  
**City of Brookfield, Brookfield Wisconsin**  
**Sigma Project #7843**

Well Identification	Ground Surface Elevation (feet MSL)	Top of Casing Elevation (feet MSL)	Screen Interval (feet bgs)	Depth to Groundwater		Groundwater Elevation (feet MSL)	Date
				(feet toc)	(feet bgs)		
MW-1	844.6	844.12 Flush Mount	5-15	8.01	8.49	836.11	08/05/2003
MW-2	840.59	840.05 Flush Mount	5-15	10.47	11.01	829.58	08/05/2003
<b>Notes:</b> MSL = mean sea level feet toc = feet below top of casing feet bgs = feet below ground surface							

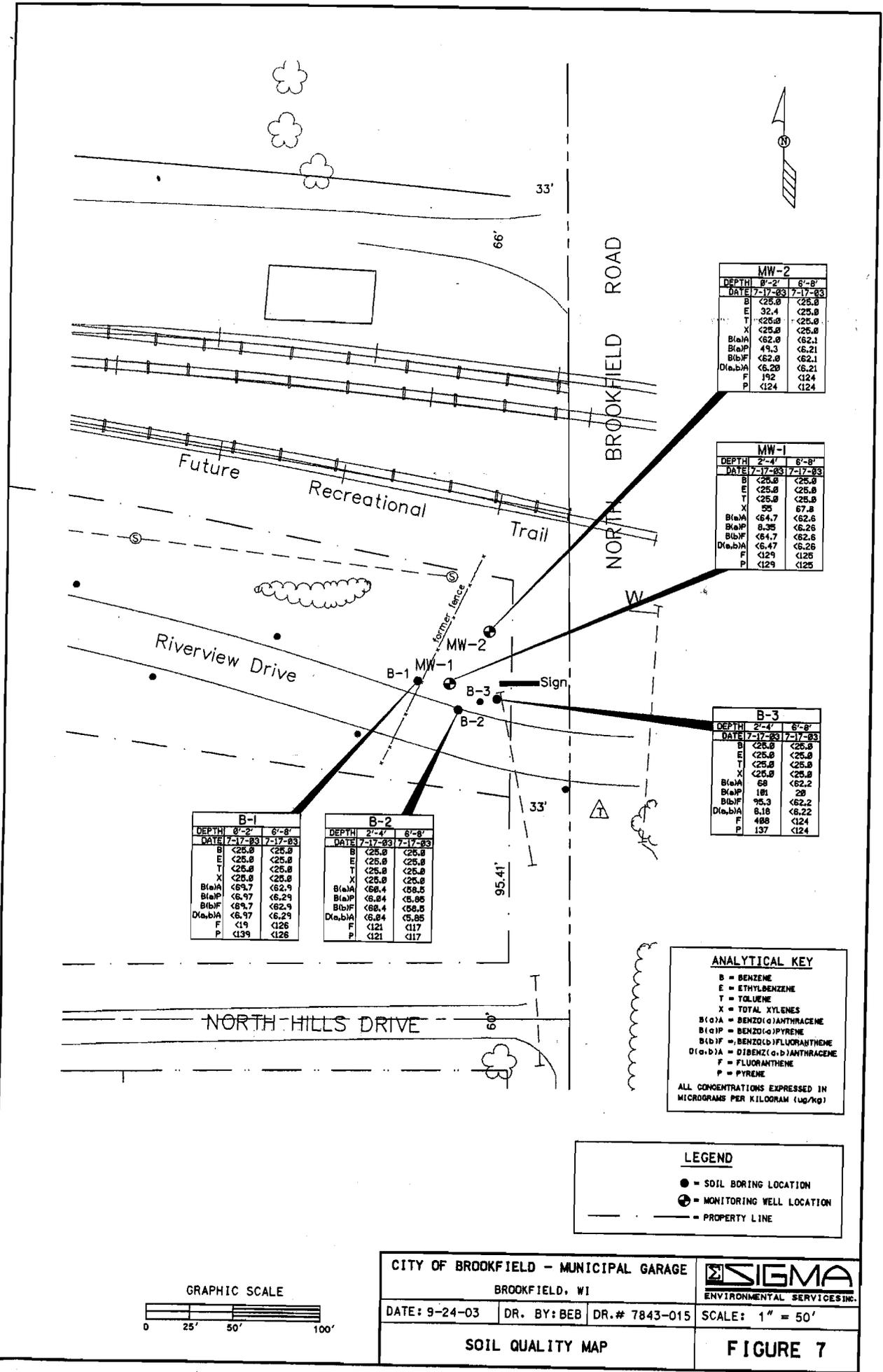


**LEGEND**

- = SOIL BORING LOCATION
- ⊕ = MONITORING WELL LOCATION
- - - = PROPERTY LINE
- - - - = GROUNDWATER CONTOUR LINE, CONTOUR INTERVAL = 5.0'
- ( ) = STATIC GROUNDWATER LEVEL (8-5-03)
- = GROUNDWATER FLOW DIRECTION



CITY OF BROOKFIELD - MUNICIPAL GARAGE			
BROOKFIELD, WI			
DATE: 9-24-03	DR. BY: BEB	DR.# 7843-013	SCALE: 1" = 50'
GROUNDWATER CONTOUR MAP (8-5-03)			<b>FIGURE 6</b>



DEPTH	0'-2'	6'-8'
DATE	7-17-83	7-17-83
B	<25.0	<25.0
E	<25.0	<25.0
T	<25.0	<25.0
X	<25.0	<25.0
B(a)A	<6.7	<62.9
B(a)P	<6.97	<6.29
B(b)F	<6.7	<62.9
D(a,b)A	<6.97	<6.29
F	<19	<126
P	<139	<126

DEPTH	2'-4'	6'-8'
DATE	7-17-83	7-17-83
B	<25.0	<25.0
E	<25.0	<25.0
T	<25.0	<25.0
X	<25.0	<25.0
B(a)A	<6.4	<66.5
B(a)P	<6.4	<6.86
B(b)F	<6.4	<66.5
D(a,b)A	<6.4	<6.86
F	<121	<117
P	<121	<117

DEPTH	0'-2'	6'-8'
DATE	7-17-83	7-17-83
B	<25.0	<25.0
E	32.4	<25.0
T	<25.0	<25.0
X	<25.0	<25.0
B(a)A	<62.0	<62.1
B(a)P	49.3	<6.21
B(b)F	<62.0	<6.21
D(a,b)A	<6.20	<6.21
F	192	<124
P	<124	<124

DEPTH	2'-4'	6'-8'
DATE	7-17-83	7-17-83
B	<25.0	<25.0
E	<25.0	<25.0
T	<25.0	<25.0
X	55	67.8
B(a)A	<64.7	<62.6
B(a)P	8.35	<6.26
B(b)F	<64.7	<62.6
D(a,b)A	<6.47	<6.26
F	<129	<126
P	<129	<126

DEPTH	2'-4'	6'-8'
DATE	7-17-83	7-17-83
B	<25.0	<25.0
E	<25.0	<25.0
T	<25.0	<25.0
X	<25.0	<25.0
B(a)A	66	<62.2
B(a)P	181	20
B(b)F	95.3	<62.2
D(a,b)A	6.18	<6.22
F	488	<124
P	137	<124

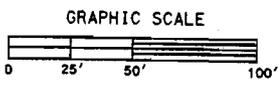
**ANALYTICAL KEY**

B = BENZENE  
 E = ETHYLBENZENE  
 T = TOLUENE  
 X = TOTAL XYLENES  
 B(a)A = BENZO(a)ANTHRACENE  
 B(a)P = BENZO(a)PYRENE  
 B(b)F = BENZO(b)FLUORANTHENE  
 D(a,b)A = DIBENZO(a,b)ANTHRACENE  
 F = FLUORANTHENE  
 P = PYRENE

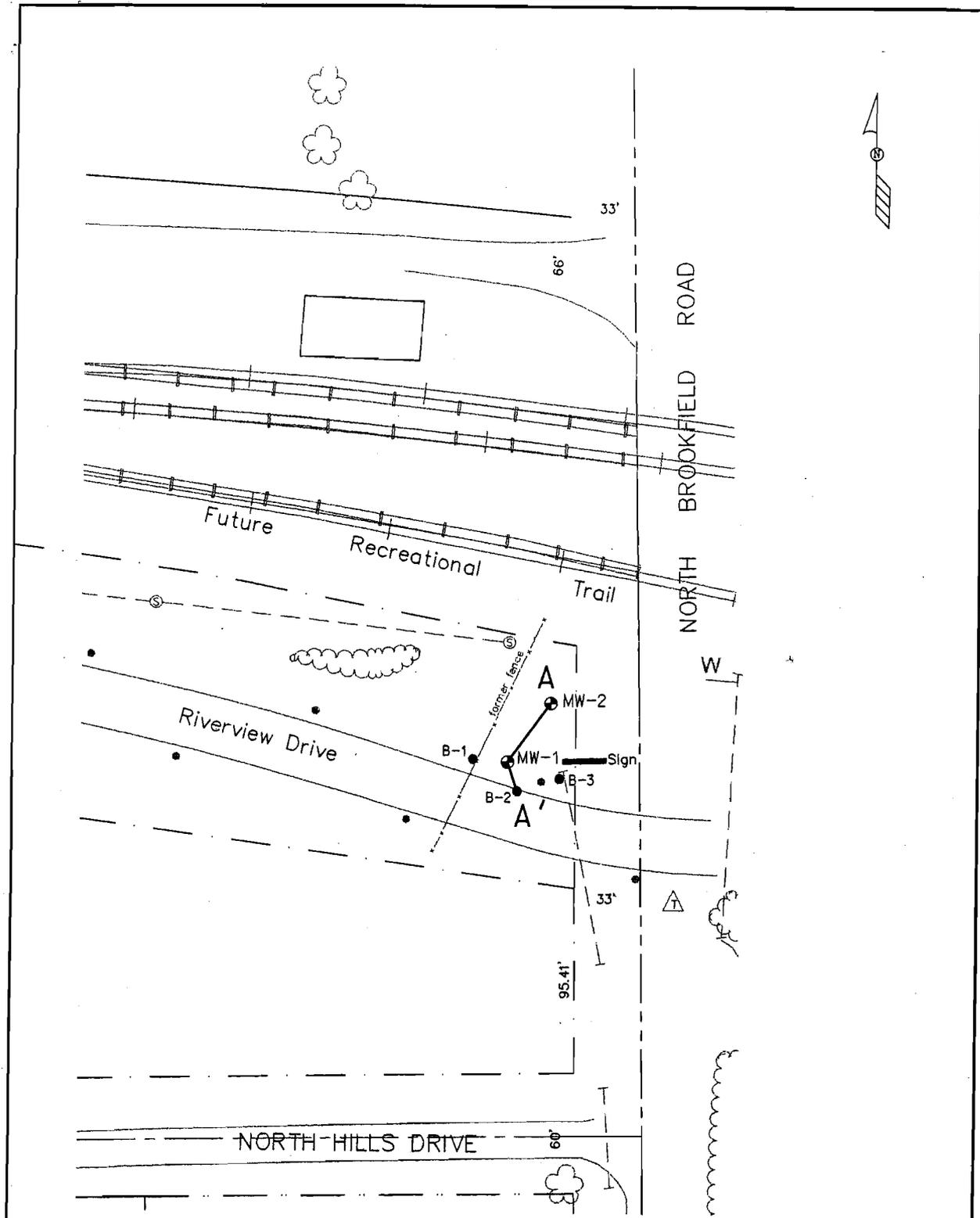
ALL CONCENTRATIONS EXPRESSED IN MICROGRAMS PER KILOGRAM (ug/kg)

**LEGEND**

● - SOIL BORING LOCATION  
 ⊕ - MONITORING WELL LOCATION  
 --- - PROPERTY LINE



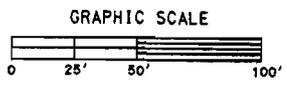
CITY OF BROOKFIELD - MUNICIPAL GARAGE			
BROOKFIELD, WI			
DATE: 9-24-03	DR. BY: BEB	DR. # 7843-015	SCALE: 1" = 50'
SOIL QUALITY MAP			FIGURE 7



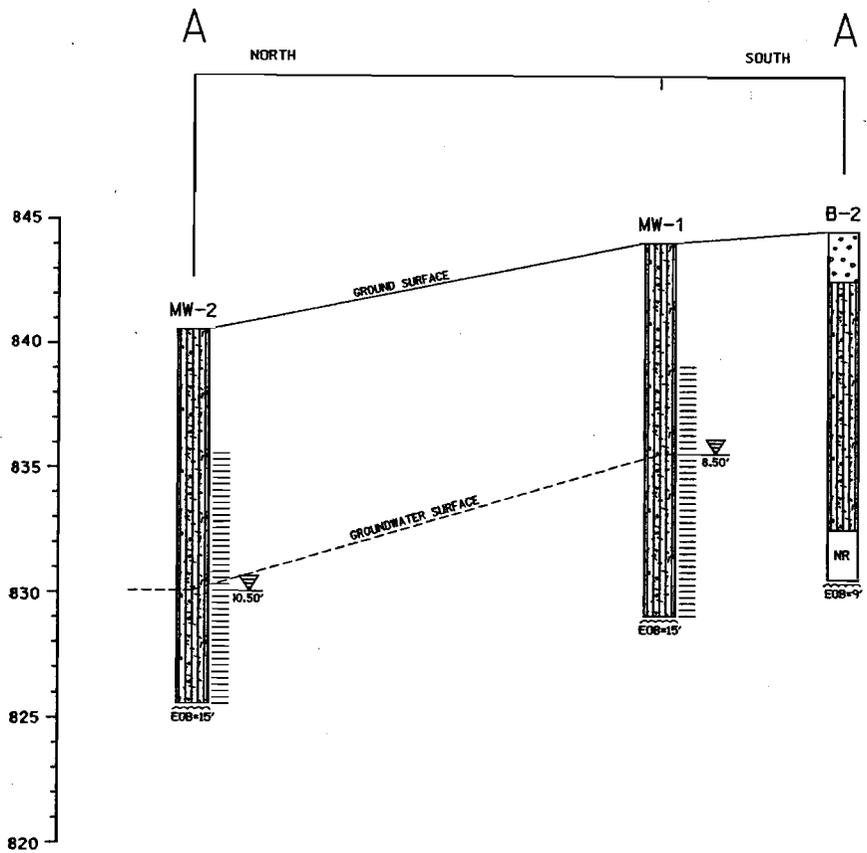
**LEGEND**

- = SOIL BORING LOCATION
- ⊕ = MONITORING WELL LOCATION
- = PROPERTY LINE

A — A' = GEOLOGIC CROSS SECTION LOCATION



CITY OF BROOKFIELD - MUNICIPAL GARAGE			
BROOKFIELD, WI			
DATE: 9-24-03	DR. BY: BEB	DR.# 7843-012	SCALE: 1" = 50'
GEOLOGIC CROSS SECTION LOCATION MAP			FIGURE 4



ELEVATION RELATIVE TO MEAN SEA LEVEL (IN FEET)

ELEVATION RELATIVE TO MEAN SEA LEVEL (IN FEET)

**LEGEND**

- = WELL SCREEN INTERVAL
- = STATIC WATER LEVEL (MEASURED 8-5-03)
- NR = NO RECOVERY

**USCS SYMBOLS**

- SW - WELL - GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES.
- SM - SILTY - SANDS, SAND - SILT MIXTURES.

NOTES:  
 HORIZONTAL SCALE 1" = 40'  
 VERTICAL SCALE 1" = 5'

CITY OF BROOKFIELD - MUNICIPAL GARAGE			
BROOKFIELD, WI		ENVIRONMENTAL SERVICES INC.	
DATE: 9-24-03	DR. BY: BEB	DR.# 7843-014	SCALE: SEE NOTES
GEOLOGIC CROSS SECTION A - A'			FIGURE 5

Statement of Legal Description for GIS Packet  
The City of Brookfield, Municipal Garage – Recycle Waste Oil Site  
BRRTs No. 03-68-003330

The City of Brookfield, the responsible party for the property located at 19450 Riverview Drive, Brookfield, Wisconsin states that the legal description provided to the Wisconsin Department of Natural Resources (and attached to this GIS registration packet as Deed Document No. 2633131 complete and accurate to the best of our knowledge.

  
\_\_\_\_\_  
Signature of Representative for Responsible Party

10/27/07  
Date