

**GIS REGISTRY INFORMATION**

**SITE NAME:** Madison Metropolitan Sewerage  
**BRRTS #:** 03-13-245011  
**CLOSURE DATE:** 04/07/2003  
**STREET ADDRESS:** 104 N. First Street  
**CITY:** Madison

**SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection):** X= 572026 Y= 291280

**OFF-SOURCE CONTAMINATION (>ES):**  Yes  No

**IF YES, STREET ADDRESS 1:** \_\_\_\_\_

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

**IF YES, STREET ADDRESS 2:** \_\_\_\_\_

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

**IF YES, STREET ADDRESS 3:** \_\_\_\_\_

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

**IF YES, STREET ADDRESS 4:** \_\_\_\_\_

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

**IF YES, STREET ADDRESS 5:** \_\_\_\_\_

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

**SOIL CONTAMINATION >GENERIC OR SITE-SPECIFIC RCL:**  Yes  No

**IF YES, STREET ADDRESS 1:** \_\_\_\_\_

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

**IF YES, STREET ADDRESS 2:** \_\_\_\_\_

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

**CONTAMINATION IN RIGHT OF WAY:**  Yes  No

**DOCUMENTS NEEDED:**

- Closure Letter, and any conditional closure letter issued
- Copy of most recent deed, including legal description, for all affected properties
- Certified survey map or relevant portion of the recorded plat map (if referenced in the legal description) for all affected properties
- County Parcel ID number, if used for county, for all affected properties
- 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.

**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 site-specific residual contaminant levels.

X
X
X
X
X
X

**Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)**

**Tables of Latest Soil Analytical Results (no shading or cross-hatching)**  
**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.**

**GW: Table of water level elevations, with sampling dates, and free product noted if present**

**GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)**

**SOIL: Latest horizontal extent of contamination exceeding generic or site-specific RCLs, with one contour.**

**Geologic cross-sections, if required for SI.** (8.5x14" if paper copy)

**RP certified statement that legal descriptions are complete and accurate**

**Copies of off-source notification letters (if applicable)**

**Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)**

**Copy of (soil or land use) deed restriction(s) or deed notice if any required as a condition of closure.**



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor  
Scott Hassett, Secretary  
Ruthe E. Badger, Regional Director

South Central Region Headquarters  
3911 Fish Hatchery Road  
Fitchburg, Wisconsin 53711-5397  
Telephone 608-275-3266  
FAX 608-275-3338  
TTY 608-275-3231

April 7, 2003

FILE REF: 03-13-245011

Mr. Ralph Erickson  
Madison Metropolitan Sewerage District  
1610 Moorland Road  
Madison, WI 53713

Subject: Closure, MMSD First Street Pumping Station, 104 N. First Street, Madison, WI

Dear Mr. Erickson:

On February 27, 2003, the MMSD First Street Pumping Station site was reviewed for closure by the South Central Regional 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 April 2, 2003, the Department received correspondence indicating that you have complied with the conditions of closure. The closure documentation received included information that the monitoring wells at the site have been properly abandoned. Residual groundwater contamination remains on this site and property will be listed on the Department's GIS registry of closed remediation sites. 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. Adm. Code. The Department considers this case closed and no further investigation, remediation or other action is required at this time.

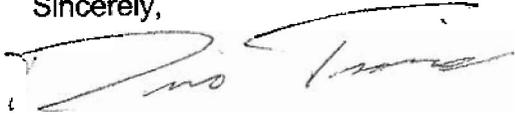
Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the registry. To review the sites on the GIS Registry web page, visit <http://gomapout.dnr.state.wi.us/org/at/et/geo/gwur/index.htm>

If this is a PECFA site, section 101.143, Wis. Stats., 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.

Please be aware that this case may be reopened pursuant to s. NR 726.09, Wis. Adm. 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 your efforts to restore the environment. If you have any questions regarding this letter, please contact me at the telephone number shown below.

Sincerely,

A handwritten signature in black ink, appearing to read "Dino Tsoris", is written over a light-colored rectangular background.

Dino Tsoris, P.G.  
Hydrogeologist  
Remediation & Redevelopment Program  
Wisconsin Department of Natural Resources  
Telephone (608) 275-3299

Cc: Ms. Robyn Seymour, Seymour Environmental Services, Inc., 2531 Dyerson Road,  
P.O. Box 398, McFarland, WI 53558



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor  
Scott Hassett, Secretary  
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South Central Region Headquarters  
3911 Fish Hatchery Road  
Fitchburg, Wisconsin 53711-5397  
Telephone 608-275-3266  
FAX 608-275-3338  
TTY 608-275-3231

February 27, 2003

Mr. Ralph Erickson  
Madison Metropolitan Sewerage District  
1610 Moorland Road  
Madison, WI 53713

Subject: Conditional Closure, MMSD First Street Pumping Station,  
104 North First Street, Madison, WI

Dear Mr. Erickson:

On February 27, 2003, your request for closure of the MMSD First Street Pumping Station property was reviewed by the South Central Region Closure Committee. The Closure Committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After careful review of the closure request, the Closure Committee has determined that the petroleum contamination on the site from the underground storage tank appears to have been investigated and remediated to the extent practicable under site conditions. Your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code and will be closed if the following conditions are satisfied:

**MONITORING WELL ABANDONMENT**

The monitoring wells MW-1 and MW-2 at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm. Documentation of well abandonment must be submitted to Dino Tsois on Form 3300-5B found at [www.dnr.state.wi.us/org/water/dgw/gw/](http://www.dnr.state.wi.us/org/water/dgw/gw/) or provided by the Department of Natural Resources.

**GIS REGISTRY**

Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that is 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>

When the above conditions have been satisfied, please submit a letter to let me know that applicable conditions have been met, and your case will be closed.

If this is a PECFA site, section 101.143, Wis. Stats., 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.

Please be aware that the case may be reopened pursuant to s. NR 726.09, Wis. Adm. 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 to the environment.

We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at the telephone number shown below.

Sincerely,

A handwritten signature in black ink, appearing to read "Dino Tsoris", written over a light blue horizontal line.

Dino Tsoris, P.G.  
Hydrogeologist  
Remediation & Redevelopment Program  
Telephone (608) 275-3299

Cc: Ms. Robyn Seymour, Seymour Environmental Services, Inc., 2531 Dyreson Road,  
P.O. Box 398, McFarland, WI 53558

THIS INDENTURE, Made this 7<sup>th</sup> day of ~~January~~ <sup>March</sup>, A.D., 1949, between CITY OF MADISON, a municipal corporation, party of the first part, and MADISON METROPOLITAN SEWERAGE DISTRICT, a corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin, located at Madison, Wisconsin, party of the second part.

WITNESSETH, That the said party of the first part, for and in consideration of the sum of One Dollar and other good and valuable considerations 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 and quit-claimed, and by these presents does give, grant, bargain, sell, remise, release and quit-claim unto the said party of the second part, its successors and assigns forever, the following described real estate, situated in the County of Dane and State of Wisconsin, to-wit:

1

Commencing at the intersection of the Southwest line of North First Street and the Northwest line of East Mifflin Street extended, thence Southwesterly 278 feet along the Northwesterly side of East Mifflin Street extended, thence Northwesterly 175 feet parallel to North First Street, thence Northeasterly 270 feet parallel to East Mifflin Street extended, thence Southeasterly 175 feet along the Southwest line of First Street to the point of beginning, all in the City of Madison, Dane County, Wisconsin.

6

Also, beginning at the point of intersection of the Southwest right of way line of the Chicago and Northwestern Railway Company right of way and the Northwesterly line of Harding Street as shown in the Walterscheidt Plat, said point of intersection being 79.3 feet Northwest of the most Northerly corner of Lot 1, Block 8, Walterscheidt Plat measured along the Southwest right of way line of the Chicago and Northwestern Railway Company; thence Northwesterly 300 feet along the Southwest right of way line of the Chicago and Northwestern Railway Company; thence Southwesterly 160 feet at right angle to said Southwest right of way line; thence Southeasterly 160 feet parallel to the center line of the Chicago and Northwestern Railway Company right of way; thence Northeasterly 100 feet at right angle to the center line of the Chicago and Northwestern Railway Company right of way; thence Southeasterly 112 feet parallel to the center line of the Chicago and Northwestern Railway Company right of way to the Northwest line of Harding Street as shown on the Walterscheidt Plat; thence Northeasterly along the Northwest line of Harding Street to point of beginning, all in the City of Madison, Dane County, Wisconsin.

Also easements for the right to lay, operate and maintain the following sewers, to-wit:

East Johnson Streets to the site of the new Pumping Station No. 1 at North First Street and East Mifflin Street, as shown on print of drawing No. N-4510A-1 hereto attached, and designated Easement "A" thereon.

A sewer from the site of Pumping Station No. 1 at North First and East Mifflin Streets westerly to the existing 20" pressure sewer, as shown on print of drawing No. N-4510A-1 hereto attached, and designated Easement "B" thereon.

A sewer from the site of Pumping Station No. 1 at North First and East Mifflin Streets Southwesterly to the existing 36" gravity sewer, as shown on print of drawing No. N-4510A-1 hereto attached, and designated Easement "C" thereon.

A sewer across City owned lands from the site of Pumping Station No. 6 at Harding Street and the Chicago and Northwestern Railway Company right of way Northwesterly parallel to said right of way to a point near the intersection of Garrison Street and Emmet Street and thence Northerly to said right of way as shown on print of drawing No. N-4659A-3 and drawing No. N-4659A-4 hereto attached, and designated Easement "D" thereon.

A sewer across City owned park lands from the site of Pumping Station No. 6 at Harding Street and the Chicago and Northwestern Railway Company right of way Southwesterly to the park lands on the Southwesterly side of Atwood Avenue; thence through said park lands Southeasterly to Atwood Avenue to Margaret Street as shown on print of drawing No. N-4659A-4 hereto attached, and designated Easement "E" thereon.

TO HAVE AND TO HOLD, the same, together with all and singular the appurtenances and privileges thereunto belonging or in anywise thereunto appertaining, and all the estate, right, title, interest and claim whatsoever of the said party of the first part, either in law or equity, either in possession or expectancy of, to the only proper use, benefit and behoof of the said party of the second part, and to its successors and assigns forever.

IN WITNESS WHEREOF, the said City of Madison, party of the first part, has caused these presents to be signed by Leonard G. Howell, its City Manager, and countersigned by A. W. Bareis, its City Clerk, at Madison, Dane County, Wisconsin, and its corporate seal to be hereunto affixed, this 14<sup>th</sup> day of March, A.D., 1949.

Signed and Sealed  
in Presence of:

M. O. Tadvig  
M. O. Tadvig

CITY OF MADISON,  
Dane County, Wisconsin  
BY Leonard G. Howell  
(Leonard G. Howell)  
City Manager  
Countersigned: A. W. Bareis

STATE OF WISCONSIN )  
COUNTY OF DANE ) ss

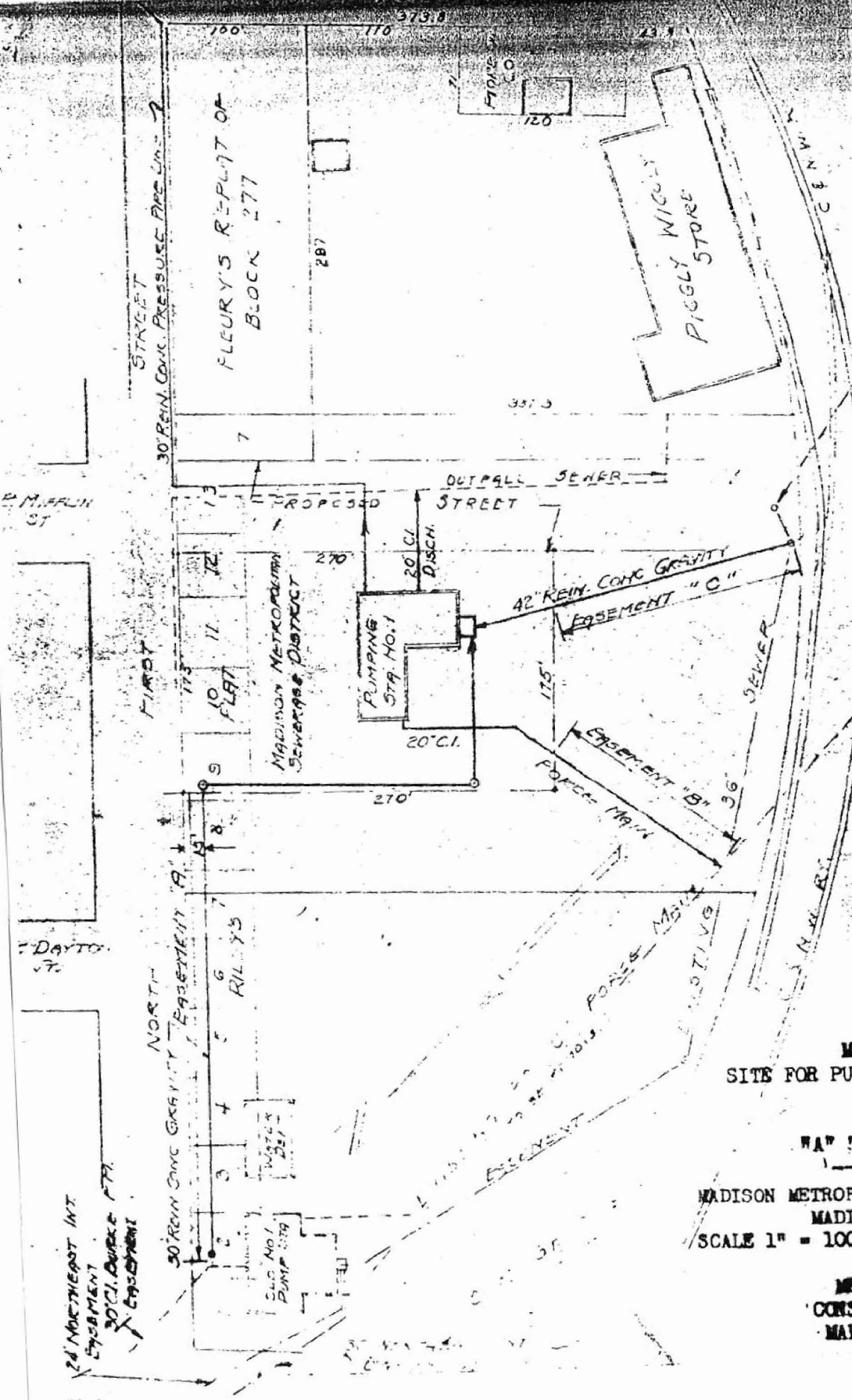
Personally came before me this 7<sup>th</sup> day of ~~January~~ <sup>March</sup>, A.D., 1949, Leonard G. Howell, City Manager, and A. W. Bareis, City Clerk of the City of Madison, Dane County, Wisconsin, to me known to be the persons who executed the foregoing instrument, and to me known to be such City Manager and City Clerk of said City of Madison, and acknowledged that they executed the foregoing instrument as such officers, as the deed of said City of Madison by its authority.

*Eldon L. Hoel*

Eldon L. Hoel  
Notary Public, Dane County, Wisconsin



My Commission Expires 5-25-52



MAP SHOWING  
 SITE FOR PUMPING STATION NO. 1  
 AND  
 EASEMENTS  
 "A" "B" AND "C"

MADISON METROPOLITAN SEWERAGE DISTRICT  
 MADISON, WISCONSIN  
 SCALE 1" = 100'  
 DATE JAN. 1945

MEAD AND HUNT  
 CONSULTING ENGINEERS  
 MADISON, WISCONSIN



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Thursday, January 30, 2003  
[Return to Previous Page](#)

### Parcel Number - 251/0710-063-1508-2

This Parcel is in the City of Madison. Please view the [Assessor's website](#) for the most up-to-date City of Madison information

Parcel Information updated on Thursday, January 30, 2003 unless otherwise noted.

#### Parcel Information

Parcel Status Current  
 Municipality CITY OF MADISON  
 State Municipality Code 251  
 Township  
 Township Direction  
 Range  
 Range Direction  
 Section  
 Quarter  
 Quarter-Quarter  
 Plat Name **Plat Unknown - CITY OF MADISON**  
 Lot/Outlot/Unit NA  
 Block/Building

#### Valuation Information

Assessment Year	2002	2001
Valuation Classification	G1	G1
Assessment Acres	0.000	0.000
Total Land Value	\$0	\$0
Total Improved Value	\$0	\$0
Total Value	\$0	\$0
Valuation Date	12/14/2002	12/15/2001

[About Annual Assessments](#)

#### Zoning Information

Contact your local city or village office for municipal zoning information.

#### Tax Property Description

For a complete legal description, see the recorded documents RILEY PLAT, BLK 310, COM E COR LOT 12, BLK 310, TH SWLY ALG NW LN E MIFFLIN ST EXTD 24 FT TO POB, TH CONT SW 246 FT, TH NWLY PARA N FIRST ST 175 FT, TH NELY PARA E MIFFLIN ST EXTD 246 FT, TH SELY ALG SW LN N FIRST ST 175 FT TO POB.

#### Owner Name and Address

Owner Status CURRENT OWNER  
 Name MADISON METRO SEWERAGE DISTRICT STATION 2 1  
 Property Address 1610 MOORLAND RD  
 City State Zip MADISON, WI 53713 ~~3324~~ 3398  
 Country USA

#### Recorded Documents

No document references available.

[Document Types and their Abbreviations](#)

[Document Types and their Definitions](#)

- For questions on property and assessment information, contact [Real Property Listing](#)
- For questions on zoning information, contact the [Division of Zoning](#)
- For questions on tax information, contact the [Treasurer's Office](#)
- For questions on real property transactions and Recordings, contact the [Register of Deeds Office](#)

[Back to Parcel Search Page](#)

#### Parcel Address

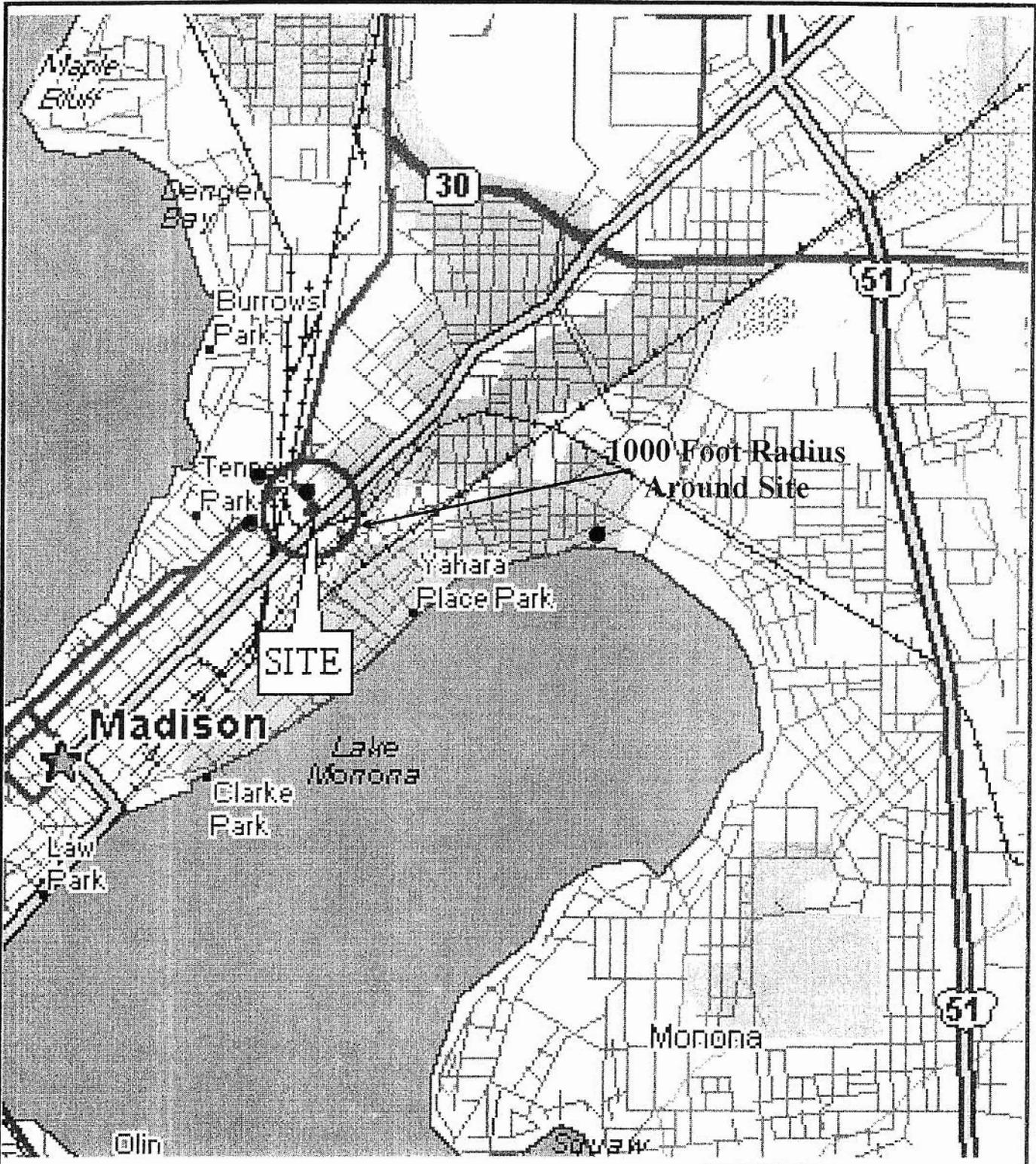
Primary Address 104 N FIRST ST

#### Billing Address

Attention  
 Street 1610 MOORLAND RD  
 City State Zip MADISON, WI 53713 3324  
 Country USA

[Dane County Home](#) | [LIO Home](#) | [AccessDane Home](#) | [Privacy Statement](#) | [Disclaimer](#) | [Contact Us](#)

Copyright 2001 Dane County Land Information Office  
 210 Martin Luther King Jr. Blvd  
 City-County Bldg, Room 524  
 Madison, WI 53709



● - Public Water-supply Well



0 2640' 5280'

1 INCH = 2640 FEET  
SCALE IS APPROXIMATE

FILE/PATH: D:\PROJECTS\MMSD\FIGURES\ Location.cdr  
DATE: 12/27/2001  
PREPARED: MDF APPROVED:  
SOURCE: FIELD MEASUREMENTS

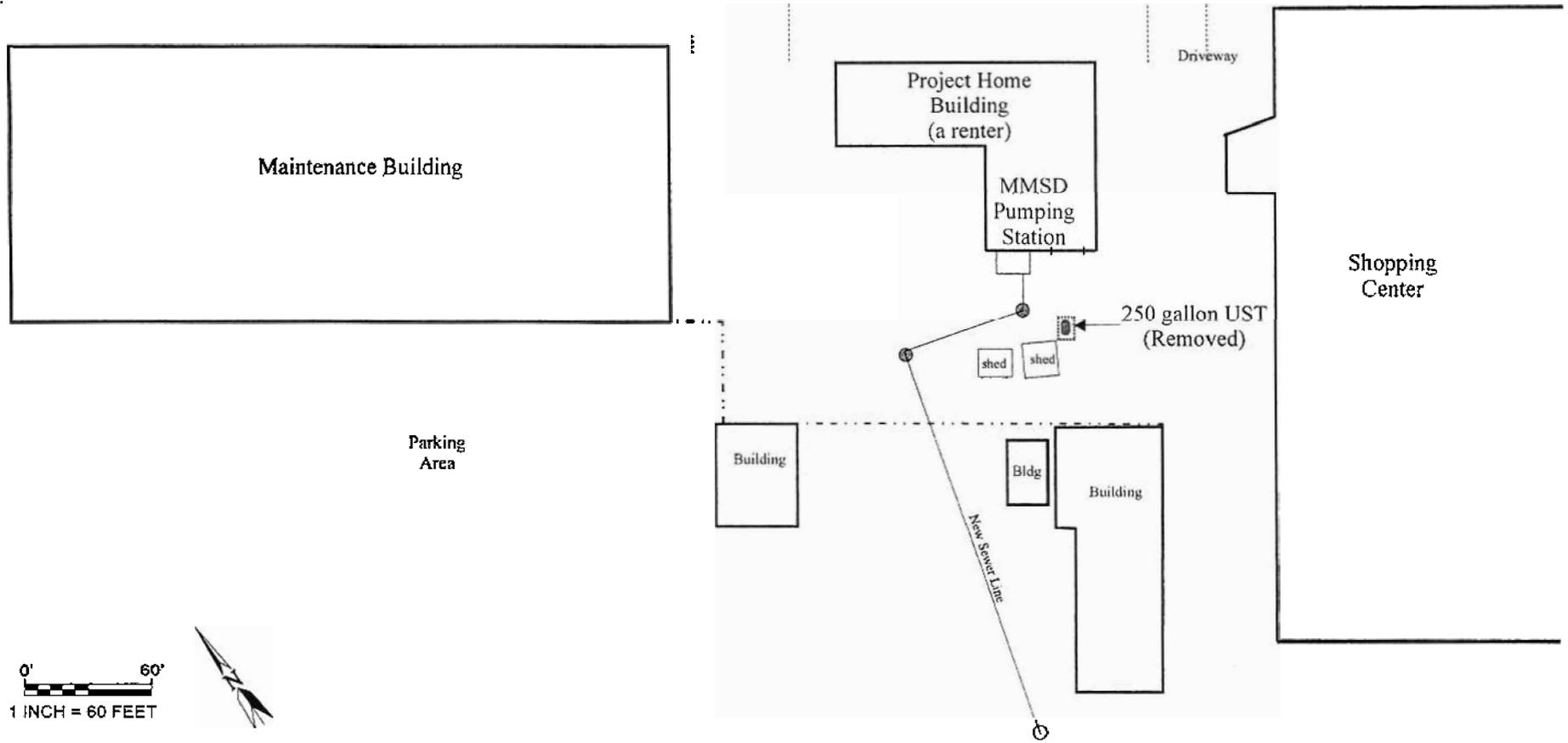
SEYMOUR ENVIRONMENTAL SERVICES, INC.

SITE LOCATION MAP  
MMSD - First Street Pumping Station  
104 North First Street  
Madison, Wisconsin

FIGURE

1

# First Street



SEYMOUR ENVIRONMENTAL  
SERVICES, INC.

10 80 300 7511 PRESH RD, MONROE WISCONSIN 53125  
TEL: 262 228 1125 FAX: 262 228 1121

LE/PATH: D:\DATA\PROJECTS\MMSD\REPORT\CLOSURE\Fig2.-layout.cdr

DATE: 12/30/00

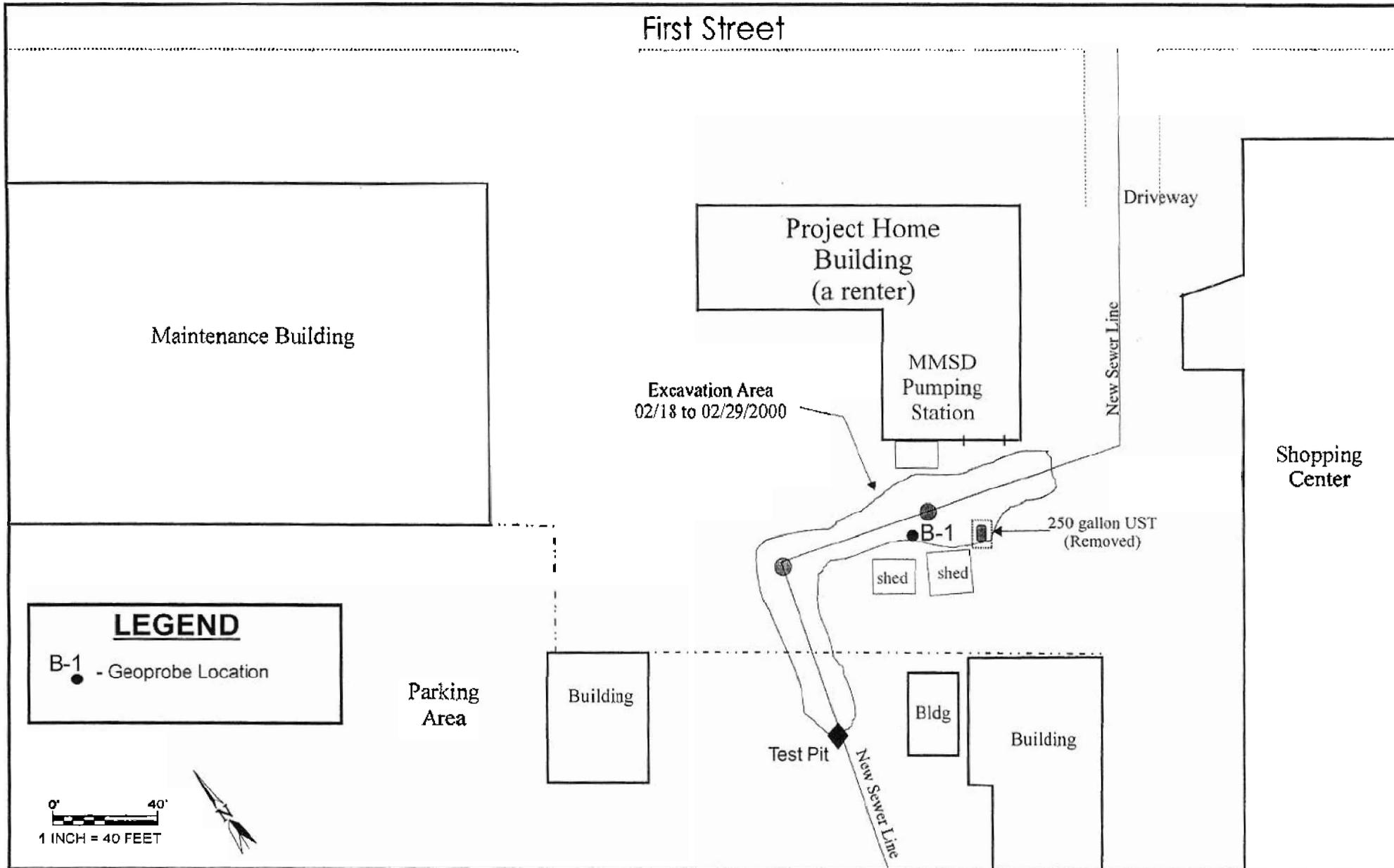
PREPARED: MDF APPROVED:

SOURCE:  
FIELD MEASUREMENTS

SITE LAYOUT  
MMSD - First Street Pumping Station  
104 N. First Street  
Madison, Wisconsin

FIGURE

2



**LEGEND**  
 B-1 - Geoprobe Location

0' 40'  
 1 INCH = 40 FEET

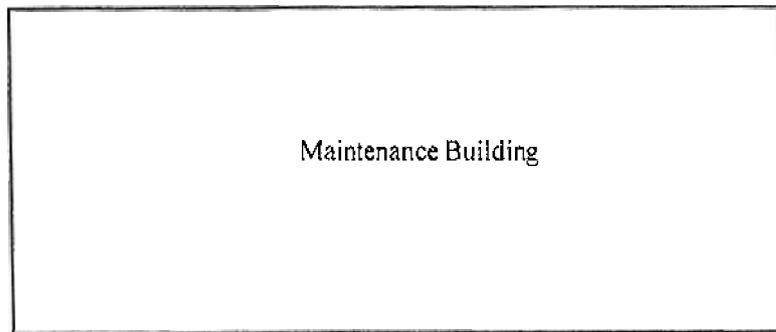
SEYMOUR ENVIRONMENTAL SERVICES, INC.  
 716 W. KENYON, 2ND FLOOR, MADISON, WISCONSIN 53703  
 TEL: 608/261-1172 FAX: 608/261-1171

FILE/PATH: D:\DATA\PROJECTS\MMSD\REPORT\CLOSURE\Fig4.-geoprobe.cdr  
 DATE: 12/30/00  
 PREPARED: MDF APPROVED:  
 SOURCE: FIELD MEASUREMENTS

**GEOPROBE LOCATION**  
 MMSD - First Street Pumping Station  
 104 N. First Street  
 Madison, Wisconsin

**FIGURE**  
**4**

# First Street



RMT-1

**LEGEND**

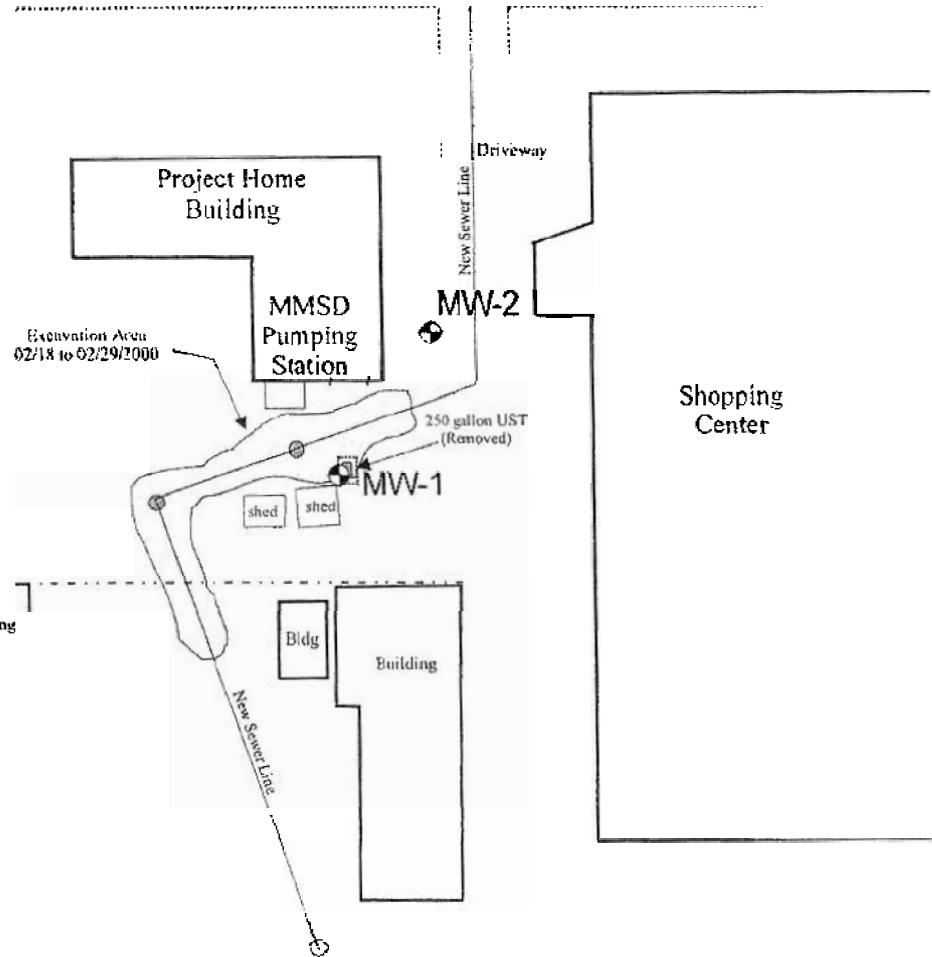
MW-2 - Monitoring Well Location

Parking Area

0' 60'  
1 INCH = 60 FEET



RMT-4



SEYMOUR ENVIRONMENTAL SERVICES, INC.

1320 22nd St. Madison, WI 53704  
608.261.1111

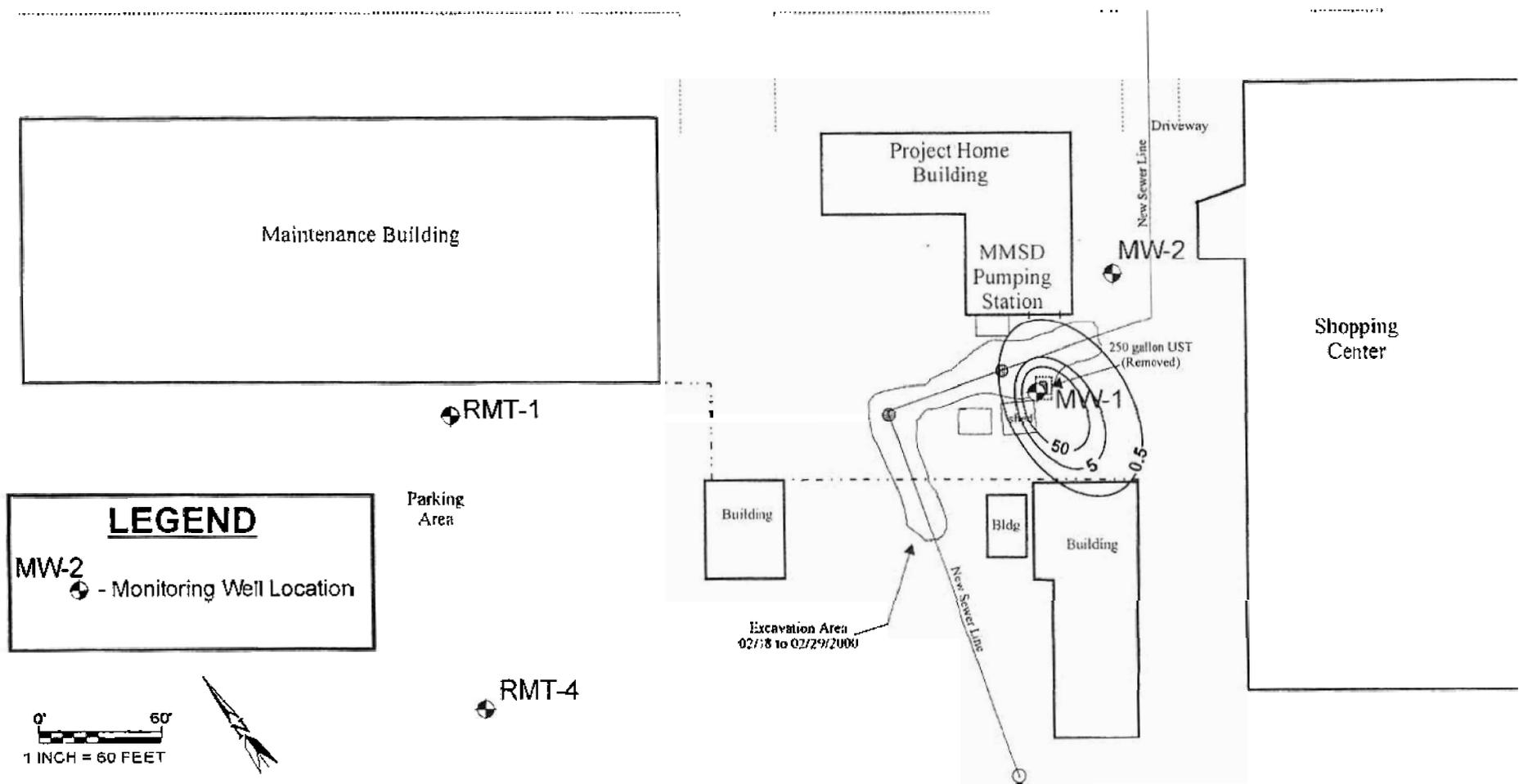
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DATE: 12/30/00  
PREPARED: MDF APPROVED:  
SOURCE: FIELD MEASUREMENTS

MONITORING WELL LOCATIONS  
MMSD - First Street Pumping Station  
104 N. First Street  
Madison, Wisconsin

FIGURE

5

First Street



**LEGEND**  
 MW-2 - Monitoring Well Location

0' 60'  
 1 INCH = 60 FEET



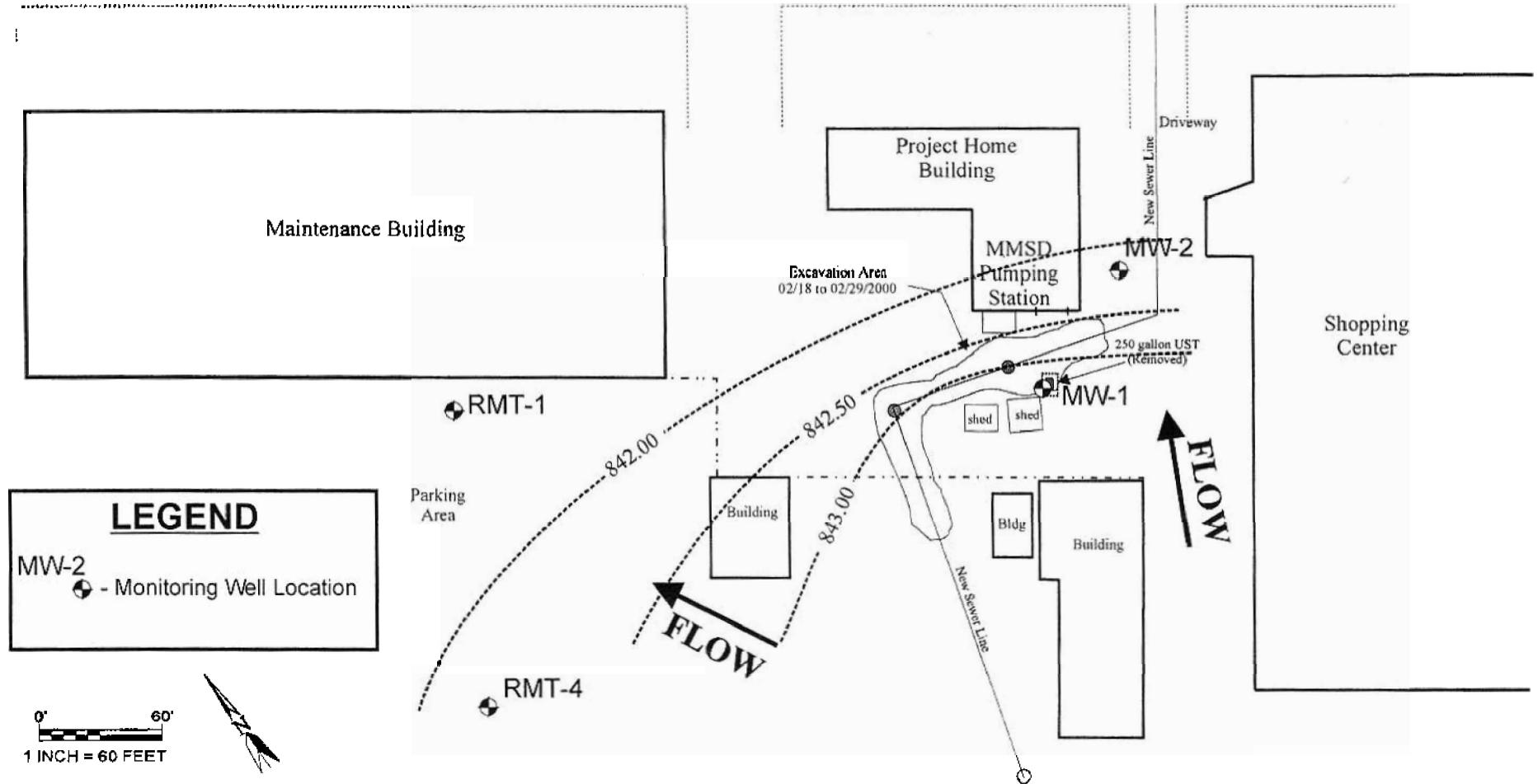
SEYMOUR ENVIRONMENTAL SERVICES, INC.  
 1010 W. 15TH STREET, MADISON, WISCONSIN 53702  
 TEL: 608-263-5121 FAX: 608-263-5122

FILE/PATH: D:\DATA\PROJECTS\MMSD\REPORTS\CLOSURE\Fig7-GWcont.edi  
 DATE: 9/10/02  
 PREPARED: MDF APPROVED:  
 SOURCE: FIELD MEASUREMENTS

AREAL EXTENT OF GROUNDWATER CONTAMINATION  
 MMSD - First Street Pumping Station  
 104 N. First Street  
 Madison, Wisconsin

FIGURE  
**3**

First Street



SEYMOUR ENVIRONMENTAL SERVICES, INC.

710 N. JONES ST. MILWAUKEE, WISCONSIN 53233  
 TEL: 414.224.1111 FAX: 414.224.1112

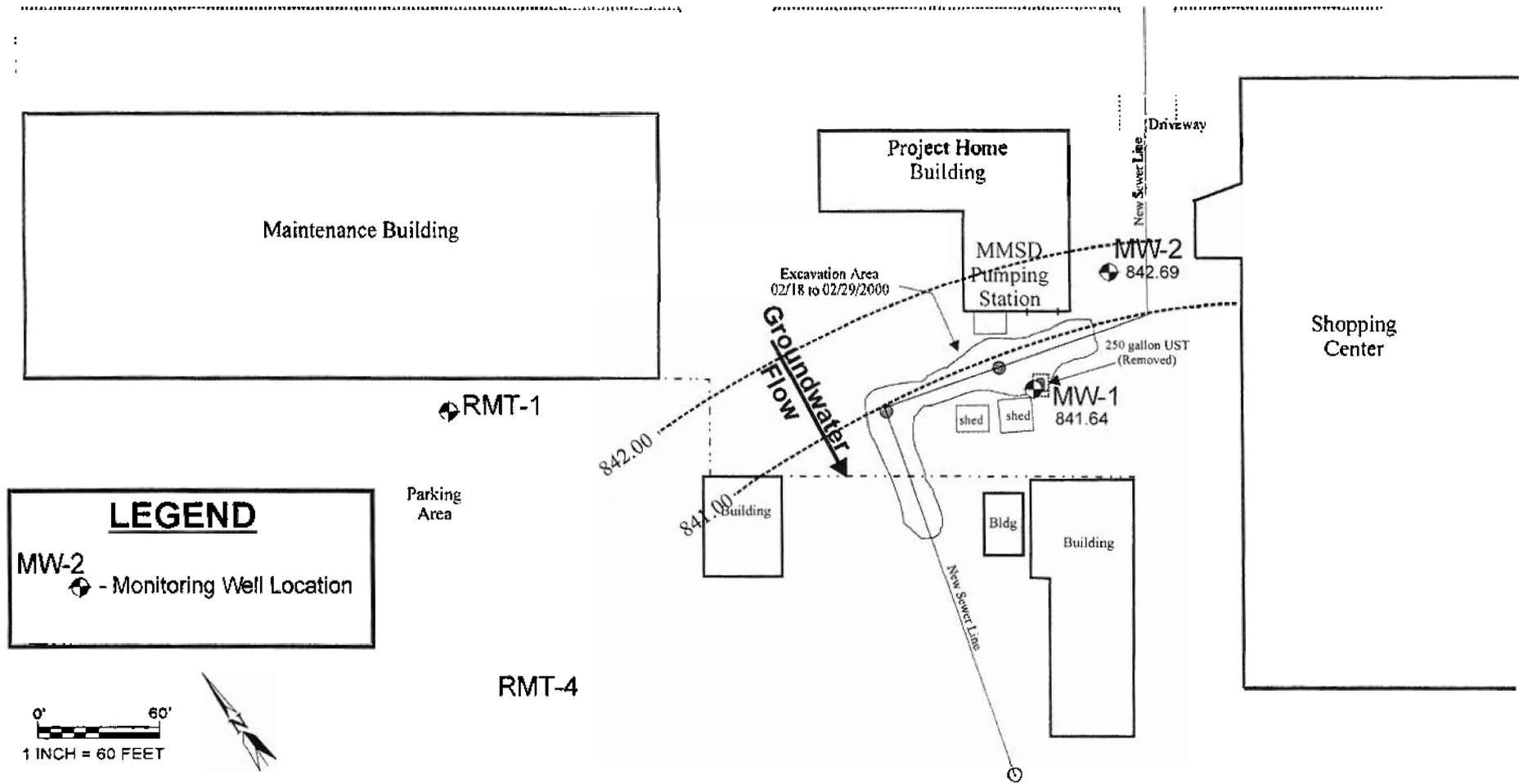
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 DATE: 12/30/00  
 PREPARED: MDF APPROVED:  
 SOURCE: FIELD MEASUREMENTS

GROUNDWATER FLOW (03/20/2002)  
 MMSD - First Street Pumping Station  
 104 N. First Street  
 Madison, Wisconsin

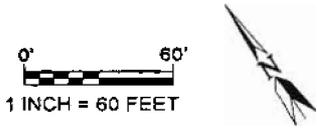
FIGURE

6

First Street



**LEGEND**  
 MW-2  
 [Symbol] - Monitoring Well Location



SEYMOUR ENVIRONMENTAL SERVICES, INC.  
 P.O. BOX 2671 PLYMOUTH WISCONSIN 53150  
 TELEPHONE 608/234-1420 FAX 608/234-1511

FILE/PATH: D:\DATA\PROJECTS\MMSD\REPORT\CLOSURE\Fig3-excavation.cdr  
 DATE: 12/30/00  
 PREPARED: MDF APPROVED:  
 SOURCE: FIELD MEASUREMENTS

GROUNDWATER FLOW (03/20/2002)  
 MMSD - First Street Pumping Station  
 104 N. First Street  
 Madison, Wisconsin

FIGURE  
**6**

TABLE 4  
SUMMARY OF GROUNDWATER ANALYTICAL DATA  
MMSD First Street Pumping Station  
104 North First Street - Madison, Wisconsin

ANALYTE	MW-1				MW-2				RMT-1	RMT-4	NR140	
	8/16/01	12/19/01	3/20/02	7/10/02	8/16/01	12/19/01	3/20/02	7/10/02	12/19/01	12/19/01	ES	PAL
DRO	940	470	na	na	520	510	na	na	na	na	ns	ns
GRO	4300	2200	na	na	760	560	na	na	<50	<50	ns	ns
<b>PVOCs</b>												
Benzene	<b>270</b>	<b>210</b>	<b>180</b>	<b>220</b>	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	5	0.5
Toluene	30	12	10	6.9	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	1000	200
Ethylbenzene	<b>540</b>	<b>260</b>	<b>220</b>	<b>160</b>	5.4	<0.82	1.1	<0.82	<0.82	<0.82	700	140
Total Xylenes	<b>1140</b>	412	312	193	11.3	6.99	3.6	2.7	<2.47	<2.47	10000	1000
MTBE	<b>15</b>	11	8.3	2.5	4.4	4.6	2.4	1.1	<0.43	<0.43	60	12
Trimethylbenzenes	<b>323</b>	<b>166</b>	<b>134</b>	70.5	3.9	1.1	<1.86	<1.86	<1.86	<1.86	480	96
<b>METALS</b>												
Lead	1.4	na	na	na	0.96	na	na	na	na	na	15	1.5
<b>PAHs</b>												
Acenaphthrene	na	2.0	0.73	1.70	na	0.47	0.19	0.22	na	na	ns	ns
Acenaphthalylene	na	0.073	0.025	<0.18	na	0.35	0.14	<0.18	na	na	ns	ns
Anthracene	na	0.20	0.074	<0.16	na	0.16	0.065	<0.16	na	na	3000	600
Benzo(a)anthracene	na	0.059	<0.019	<0.15	na	0.041	0.070	<0.15	na	na	ns	ns
Benzo(a)pyrene	na	<b>0.041</b>	<0.012	<0.096	na	<b>0.026</b>	<b>0.049</b>	<0.096	na	na	0.2	0.02
Benzo(b)fluoranthene	na	<b>0.045</b>	<0.014	<0.11	na	<b>0.026</b>	<b>0.039</b>	<0.11	na	na	0.2	0.02
Benzo(g,h,i)perylene	na	0.035	<0.015	<0.12	na	0.019	0.033	<0.12	na	na	ns	ns
Benzo(k)fluoranthene	na	0.023	<0.013	<0.10	na	0.014	0.034	<0.10	na	na	ns	ns
Indeno(1,2,3-cd)pyrene	na	0.027	<0.014	<0.11	na	0.016	0.028	<0.11	na	na	ns	ns
Chrysene	na	<b>0.037</b>	<0.018	<0.14	na	<b>0.028</b>	<b>0.051</b>	<0.14	na	na	0.2	0.02
Dibenzo(a,h)anthracene	na	<0.017	<0.017	<0.14	na	<0.017	<0.017	<0.14	na	na	ns	ns
Fluoranthene	na	0.21	0.080	<0.22	na	0.20	0.16	<0.22	na	na	400	80
Fluorene	na	0.50	0.22	0.18	na	0.51	0.19	<0.17	na	na	400	80
2-Methylnaphthalene	na	1.9	0.91	0.64	na	0.85	0.29	<0.22	na	na	ns	ns
1-Methylnaphthalene	na	1.5	0.75	0.67	na	4.8	1.6	1.7	na	na	ns	ns
Naphthalene	na	7.7	3.5	1.9	na	3.9	1.3	1.0	na	na	40	8
Phenanthrene	na	0.48	0.21	0.18	na	0.59	0.20	0.17	na	na	ns	ns
Pyrene	na	0.20	0.07	<0.16	na	0.19	0.15	<0.16	na	na	250	50

All results are listed in ug/l  
na= Not analyzed

ES = NR140 Enforcement Standard (exceedances shaded)  
PAL = NR140 Preventative Action Level (exceedances emboldened)

SUMMARY OF GROUNDWATER CHEMISTRY  
MMSD- First Street Pumping Station  
104 North First Street - Madison, Wisconsin

WELL	MW-1				MW-2				NR140	
	DATE	8/16/01	12/19/01	3/20/02	7/10/02	8/16/01	12/19/01	3/20/02	7/10/02	ES
DRO	940	470	na	na	520	510	na	na	ns	ns
GRO	4300	2200	na	na	760	560	na	na	ns	ns
Benzene	<b>270</b>	<b>210</b>	<b>180</b>	<b>220</b>	<0.45	<0.45	<0.45	<0.45	5	0.5
Toluene	30	12	10	6.9	<0.68	<0.68	<0.68	<0.68	1000	200
Ethylbenzene	<b>540</b>	<b>260</b>	<b>220</b>	<b>160</b>	5.4	<0.82	1.1	<0.82	700	140
Total Xylenes	<b>1140</b>	412	312	193	11.3	6.99	3.6	2.7	10000	1000
MTBE	<b>15</b>	11	8.3	2.5	4.4	4.6	2.4	1.1	60	12
Trimethylbenzenes	<b>323</b>	<b>166</b>	<b>134</b>	70.5	3.9	1.1	<1.86	<1.86	480	96
Lead	1.4	na	na	na	0.96	na	na	na	15	1.5
Acenaphthene	na	2.0	0.73	1.70	na	0.47	0.19	0.22	ns	ns
Acenaphthylene	na	0.073	0.025	<0.18	na	0.35	0.14	<0.18	ns	ns
Anthracene	na	0.20	0.074	<0.16	na	0.16	0.065	<0.16	3000	600
Benzo(a)anthracene	na	0.059	<0.019	<0.15	na	0.041	0.070	<0.15	ns	ns
Benzo(a)pyrene	na	<b>0.041</b>	<0.012	<0.096	na	<b>0.026</b>	<b>0.049</b>	<0.096	0.2	0.02
Benzo(b)fluoranthene	na	<b>0.045</b>	<0.014	<0.11	na	<b>0.026</b>	<b>0.039</b>	<0.11	0.2	0.02
Benzo(g,h,i)perylene	na	0.035	<0.015	<0.12	na	0.019	0.033	<0.12	ns	ns
Benzo(k)fluoranthene	na	0.023	<0.013	<0.10	na	0.014	0.034	<0.10	ns	ns
Indeno(1,2,3-cd)pyrene	na	0.027	<0.014	<0.11	na	0.016	0.028	<0.11	ns	ns
Chrysene	na	<b>0.037</b>	<0.018	<0.14	na	<b>0.028</b>	<b>0.051</b>	<0.14	0.2	0.02
Dibenzo(a,h)anthracene	na	<0.017	<0.017	<0.14	na	<0.017	<0.017	<0.14	ns	ns
Fluoranthene	na	0.21	0.080	<0.22	na	0.20	0.16	<0.22	400	80
Fluorene	na	0.50	0.22	0.18	na	0.51	0.19	<0.17	400	80
2-Methylnaphthalene	na	1.9	0.91	0.64	na	0.85	0.29	<0.22	ns	ns
1-Methylnaphthalene	na	1.5	0.75	0.67	na	4.8	1.6	1.7	ns	ns
Naphthalene	na	7.7	3.5	1.9	na	3.9	1.3	1.0	40	8
Phenanthrene	na	0.48	0.21	0.18	na	0.59	0.20	0.17	ns	ns
Pyrene	na	0.20	0.07	<0.16	na	0.19	0.15	<0.16	250	50

- All results are in ug/l

- na = not analyzed

- ns= no standard established

- NR140 PAL = Preventative action level (exceedances bold)

- NR 140 ES = Enforcement standard

SUMMARY OF GROUNDWATER ELEVATION DATA  
MMSD – FIRST STREET PUMPING STATION  
104 North First Street – Madison, Wisconsin

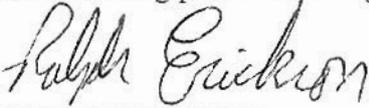
WELL	TOC Elevation	08/16/01		12/19/01		3/20/02		07/10/02	
		Depth	Elevation	Depth	Elevation	Depth	Elevation	Depth	Elevation
MW-1	852.63	9.65	842.98	9.27	843.36	10.99	841.64	10.40	842.23
MW-2	852.38	7.53	844.85	10.28	842.10	9.69	842.69	9.01	843.37
RMT-1	852.00	na	na	10.34	841.66	na	na	na	na
RMT-4	851.40	na	na	9.20	842.20	na	na	na	na

- All values are in feet na = not available

**Table 3**  
**Results of Geoprobe Groundwater Analysis (01/29/2001)**  
**MMSD – First Street Pumping Station**  
**Madison, Wisconsin**

ANALYTE	B-1 (geoprobe)	NR140	
		E.S.	P.A.L.
GRO	23000	ns	ns
<b>VOCs</b>			
Benzene	<b>1100</b>	5	0.5
Ethylbenzene	<b>2800</b>	700	140
Isopropylbenzene	84	ns	ns
MTBE	<10	60	12
Naphthalene	<b>90</b>	40	8
n-Propylbenzene	230	ns	ns
Toluene	210	1000	200
1,2,4 Trimethylbenzene	1500	ns	ns
1,3,5 Trimethylbenzene	360	ns	ns
Total Trimethylbenzenes	<b>1860</b>	480	96
Xylenes (-m,-p)	7600	ns	ns
Xylene (-o)	1500	ns	ns
Total Xylenes	9100	10000	1000
<b>METALS</b>			
Lead	23	15	1.5

Samples analyzed for volatile organic compounds  
All results are in micrograms per liter (µg/l)  
na = Not analyzed  
ns = No standard established  
NR 140 Enforcement Standard (ES) exceedance shaded  
NR 140 Preventive Action Limit (PAL) exceedance bold

- 1) A copy of the most recent deed is attached.
- 2) A copy of a certified survey map of the property containing the contamination is attached.
- 3) The contaminated site boundary lies entirely within one property. The parcel identification number is Dane County # 251/0710-063-1508-2.
- 4) A map showing the property location is attached.
- 5) A map of the property showing structures and the contaminant source is attached.
- 6) A table of the most recent groundwater analytical results is attached.
- 7) An isoconcentration map showing the extent of groundwater contamination exceeding the NR140 PALs is attached.
- 8) A table of the previous four rounds of water level elevation measurements is attached.
- 9) Two groundwater flow direction maps are attached.
- 10) No residual soil contamination map is attached; the contaminated soil was removed to the RCLs.
- 11) A geologic cross section was not generated.
- 12) Required statement:  
To the best of my knowledge the legal description and parcel information attached to this package are accurate. The contamination does not extend onto any neighboring properties excluding public street right-of-ways.  


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Mr. Ralph Erickson, Madison Metropolitan Sewerage District
- 13) No offsite groundwater contamination was identified.
- 14) No soil or groundwater contamination was identified in public street, highway or railroad right-of-way.