GIS REGISTRY INFORMATION

SITE NAME:	Sun Prairie Municipal Building		
BRRTS #:	03-13-000480	**FID # (if appropriate): 113263920**	
COMMERCE # (if appropriate):	53590-2227-00		
CLOSURE DATE:	4-2-08		
STREET ADDRESS:	300 East Main Street		
CITY:	Sun Prairie		
SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection):	**X=** 584200	**Y=** 301435	
CONTAMINATED MEDIA:	Groundwater [ ]	Soil [ ]	Both [X]
OFF-SOURCE GW CONTAMINATION >ES:	[X] **Yes SEE SCR FILE**	[ ] **No**	
IF YES, STREET ADDRESS 1:			
GPS COORDINATES (meters in WTM91 projection):	**X=**	**Y=**	
OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL):	[ ] **Yes**	[X] **No**	
IF YES, STREET ADDRESS 1:			
GPS COORDINATES (meters in WTM91 projection):	**X=**	**Y=**	
CONTAMINATION IN RIGHT OF WAY:	[X] **Yes**	[ ] **No**	

DOCUMENTS NEEDED:

Closure Letter, and any conditional closure letter or denial letter issued	X
Copy of any maintenance plan referenced in the final closure letter.	
Copy of (soil or land use) deed notice *if any required as a condition of closure*	
Copy of most recent deed, including legal description for source property, affected properties deeds are in SCR File	X
Certified survey map or relevant portion of the recorded plat map (*if referenced in the legal description*) for source property	X
County Parcel ID number for source property, affected properties information in SCR File	X
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.	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) 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.	X
Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)	X
Tables of Latest Soil Analytical Results (no shading or cross-hatching)	X
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.**	X
GW: Table of water level elevations, with sampling dates, and free product noted if present	X
GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)	X
SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour	
Geologic cross-sections, *if required for SI.* (8.5x14' if paper copy)	X
RP certified statement that legal descriptions are complete and accurate	X
Copies of off-source notification letters (if applicable) kept in SCR File	X
Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)	X

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
Lloyd L. Eagan, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY Access via relay - 711

April 2, 2008

File Ref: 03-13-000480

Mr Paul Evert
City of Sun Prairie
300 East Main Street
Sun Prairie, WI 53590

Subject: Final Case Closure with Land Use Limitations
City of Sun Prairie Municipal Building, 300 East Main Street, Sun Prairie

Dear Mr. Evert:

On July 9, 2007, the South Central Region Closure Committee reviewed your request for site closure of the Sun Prairie Municipal Building site. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On July 11, 2007, you were notified that the Closure Committee had granted conditional closure to this case.

On February 4, 2008, the Department received correspondence indicating that you have complied with the requirements of closure. There was documentation of the abandonment of monitoring wells and remedial system wells or borings. There was a question regarding monitoring wells that were lost before they could be properly abandoned. On April 2, 2008, your consultant, RMT Inc., provided information that the lost monitoring wells were located on the City of Sun Prairie right-of-way and not the property named 'Angell Park'.

Based on the correspondence and data provided, it appears that your case meets the requirements of ch. NR 726, Wisconsin Administrative Code. The Department considers this case closed and no further investigation or remediation is required at this time.

GIS Registry

The conditions of case closure set out below in this letter require that your site be listed on the Remediation and Redevelopment Program's GIS Registry. The specific reasons are summarized below:

- Residual soil contamination exists that must be properly managed should it be excavated or removed
- Groundwater contamination is present above Chapter NR 140 enforcement standards
- One or more monitoring wells were not located and must be properly abandoned if found

Information that was submitted with your closure request application will be included on the GIS Registry. To review the sites on the GIS Registry web page, visit the RR Sites Map page at http://dnr.wi.gov/org/aw/rr/gis/index.htm. If your property is listed on the GIS Registry because of remaining contamination and you intend to construct or reconstruct a well, you will need prior Department approval in accordance with s. NR 812.09(4)(w), Wis. Adm. Code. To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line http://dnr.wi.gov/org/water/dwg/3300254.pdf or at the web address listed above for the GIS Registry.

Closure Conditions

Please be aware that pursuant to s. 292.12 Wisconsin Statutes, compliance with the requirements of this letter is a responsibility to which you and any subsequent property owners must adhere. If these requirements are not followed or if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, welfare, or the environment, the Department may take enforcement action under s. 292.11 Wisconsin Statutes to ensure compliance with the specified requirements, limitations or other conditions related to the property or this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code. It is the Department's intent to conduct inspections in the future to ensure that the conditions included in this letter including compliance with referenced maintenance plans are met.

Remaining Residual Soil Contamination

Residual soil contamination remains at the soil excavation limits as shown on the Strand Associates Inc. Figure 4.01-2 and modified by C. Johnson of RMT Inc. on 5/31/07. If soil in the specific locations described above is excavated in the future, then pursuant to ch. NR 718 or, if applicable, ch. 289, Stats., and chs. 500 to 536, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner at the time of excavation will need to determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken to prevent a direct contact health threat to humans.

Remaining Residual Groundwater Contamination

Groundwater impacted by petroleum and chlorinated compound contamination greater than enforcement standards set forth in ch. NR140, Wis. Adm. Code, is present both on the contaminated property and off the contaminated property. Off-property owners have been notified of the presence of groundwater contamination. For more detailed information regarding the locations where groundwater samples have been collected (i.e., monitoring well locations) and the associated contaminant concentrations, refer to the Remediation and Redevelopment Program's GIS Registry at the RR Sites Map page at http://dnr.wi.gov/org/aw/rr/gis/index.htm.

Monitoring Wells that could not be properly abandoned

In the correspondence dated February 1, 2008 and April 2, 2008 your consultant, RMT Inc. notified the Department that monitoring wells MW-9 and MW-9A located at 200 Park Street right-of-way (Angell Park with approximate XY coordinates-584227, 301072) could not be properly abandoned because the area had received fill material and the wells could not be located. The presence of utilities made excavation in the area limited in scope. Your consultant has made a reasonable effort to locate the lost wells to determine whether they were properly abandoned but has been unsuccessful in those efforts. You need to understand that in the future you may be held liable for any problems associated with monitoring wells, MW-9, MW-9A if they create a conduit for contaminants to enter groundwater. If in the future any of the lost groundwater monitoring wells are found, the then current owner of the subject property will be required to notify the Department and to properly abandon the wells in compliance with the requirements in ch. NR 141, Wis. Adm. Code, and to submit the required documentation of that abandonment to the Department.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Wendell Wojner at (608) 275-3297.

Sincerely,

Patrick McCutcheon
Remediation & Redevelopment Team Supervisor
South Central Region

cc: Cassie Johnson, RMT, Inc. 744 Heartland Trail, PO Box 8923, Madison, WI 53708-8923

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

WISCONSIN
DEPT. OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Lloyd L. Eagan, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY Access via relay - 711

July 11, 2007

File Ref: 03-13-000480

Mr Patrick Cannon
City of Sun Prairie
300 East Main Street
Sun Prairie, WI 53590

SUBJECT: Conditional Closure Decision with Requirements to Achieve Final Closure
City of Sun Prairie Municipal Building, 300 East Main Street, Sun Prairie

Dear Mr. Cannon:

On July 9, 2007, the South Central Region Closure Committee reviewed your request for closure of the case described above. The Closure Committee has determined that the chlorinated solvents contamination on the site from the previous site activities 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, Wisconsin Administrative Code and will be closed if the following conditions are satisfied:

MONITORING WELL ABANDONMENT

The monitoring wells and any remediation system related wells at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment must be submitted to me on Form 3300-5B found at www.dnr.state.wi.us/org/water/dwg/gw/ or provided by the Department of Natural Resources.

When the above condition has been satisfied, your case will be closed. 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 GIS Registry. To review the site on the GIS Registry web page, visit http://maps.dnr.state.wi.us/brrts.

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 (608) 275-3297.

Sincerely,

Wendell Wojner
Hydrogeologist
Bureau for Remediation & Redevelopment

cc: Cassie Johnson, RMT, Inc. 744 Heartland Trail, PO Box 8923, Madison, WI 53708-8923

State of Wisconsin
Department of Natural Resources
http://dnr.wi.gov

Impacted Off-Source Property Information

Form 4400-246 (R 3/08)

This fillable form is intended to provide a list of information that must be submitted for evaluation for case closure. It is to be used in conjunction with Form 4400-202, Case Closure Request (Section H). The closure of a case means that the Department has determined that no further response is required at that time based on the information that has been submitted to the Department.

NOTICE: Completion of this form is mandatory for applications for case closure pursuant to ch. 292, Wis. Stats. and ch. NR 726, Wis. Adm. Code, including cases closed under ch. NR 746 and ch. NR 726. The Department will not consider, or act upon your application, unless all applicable sections are completed on this form and the closure fee and any other applicable fees, required under ch. NR 749, Wis. Adm. Code, Table 1 are included. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than reviewing closure requests and determining the need for additional response action. The Department may provide this information to requesters as required by Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.].

BRRTS #: 03-13-000480

ACTIVITY NAME: SUN PRAIRIE CTY

ID	Off-Source Property Address	Parcel Number	WTM X	WTM Y
A	243 E Main St, Sun Prairie	282/0811-054-5800-9	584087	301427
B	245 E Main St. Sun Prairie	081105440892	584097	301422
C	239 E Main St	081105440672	584076	301426
D	110 MARKET ST	081105458252	584086	301376
E	252 E LANE ST	081105458792	584052	301382
F	301 E MAIN ST	081105474502	584139	301410
G	301, 311, 321, 331 CANNERY SQ	081105473832	584143	301367
H	188 CANNERY PL/155 MARKET ST	081105473942	584152	301305
I	351, 371, 375, 381, 385, 391, E MAIN ST; 335, 345, 351 CANNERY SQ	081105473502	584202	301391

State of Wisconsin
Department of Natural Resources
http://dnr.wi.gov

Impacted Off-Source Property Information

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BRRTS #: 03-13-000480

ACTIVITY NAME: SUN PRAIRIE CTY

ID	Off-Source Property Address	Parcel Number	WTM X	WTM Y
J	222 PARK ST/291 E LINNERUD DR	081105471862	584066	301143
K	211 LINNERUD DR	081108185307	584034	301113
L	105 RAILROAD ST	081108185503	583982	301076
M	113 RAILROAD ST	081108185807	583930	301007
N	123 RAILROAD ST	081108186002	583890	300975
O	129 RAILROAD ST/147 RAILROAD ST	081108186208	583862	300953
P	191 RAILROAD ST	081108186904	583778	300877
Q	299 LINNERUD DR/180 RAILROAD ST	081108187109	583780	300926
R	150 RAILROAD ST	081108186708	583815	300954

State of Wisconsin
Department of Natural Resources
http://dnr.wi.gov

Impacted Off-Source Property Information

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BRRTS #: 03-13-000480

ACTIVITY NAME: SUN PRAIRIE CTY

ID	Off-Source Property Address	Parcel Number	WTM X	WTM Y
S	110 RAILROAD ST	081108186404	583846	300985
T	229 S BRISTOL ST	081108126442	583916	301095
U	201 S BRISTOL ST	081108126242	583946	301149
V	165 KING ST	081105469542	584012	301267
W	132 MARKET ST/291 E LANE ST	081105459032	584081	301316
X	251 E LANE ST	081105458952	584039	301323
Y	234 S Bristol St (Lots 12, 13, 14, 15)	0811-081-2552-3, 2563-0, 2575-6	583843	301072
Z	224 S Bristol St (Lot 16)	0811-081-2586-3	583855	301091
AA	216 S Bristol St (Lot 17)	0811-081-2597-0	583853	301110

State of Wisconsin
Department of Natural Resources
http://dnr.wi.gov

Impacted Off-Source Property Information

Form 4400-246 (R 3/08)

This fillable form is intended to provide a list of information that must be submitted for evaluation for case closure. It is to be used in conjunction with Form 4400-202, Case Closure Request (Section H). The closure of a case means that the Department has determined that no further response is required at that time based on the information that has been submitted to the Department.

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BRRTS #: 03-13-000480

ACTIVITY NAME: SUN PRAIRIE CTY

ID	Off-Source Property Address	Parcel Number	WTM X	WTM Y
AB	212 S Bristol St (Lot 18)	0811-081-2608-6	583854	301126
AC				
AD				
AE				
AF				
AG				
AH				
AI				
AJ				

CORRESPONDENCE/MEMORANDUM

State of Wisconsin

DATE: July 8, 2007 FILE REF: 03-13-000480

TO: Patrick McCutcheon, Marty Nessman and Michael Schmoller

FROM: WJ Wojner

SUBJECT: Sun Prairie City Hall, 300 East Main Street, Sun Prairie
Closure Request Dated: July 6, 2007
High Risk Factors: Co-contamination
Acres for redevelopment: 0.7

This site was presented for closure at the April 26, 2007 meeting and denied closure.

1. **Sun Prairie City, 300 East Main Street, Sun Prairie [03-13-000480]** – The site is actually a city block with addresses from 300-328. They removed a 500 gallon heating oil UST in the area. The 328 location had been a Service Station from 1941-1972. In November 1991, they removed a 560 gallon used motor fuel tank in the area. The 322/324 location had been a dry cleaner from 1964-1975 and then was an appliance workshop. A 360 gallon tank was found in that location with sort of a French drain system (holes in the tank and gravel underneath) associated with it. During the construction of the building, 5,125 cubic yards of soil were removed in June and July 1992 (unsaturated zone). A significant number of confirmation samples were taken with five samples at the Used Motor Oil area, twenty one in the Dry Cleaner area, nine samples in the fuel oil tank area, and five samples in the fuel oil spill area. The depth to groundwater is roughly 12-17 feet bgs in the source area and 5-10 feet bgs in the downgradient area. Ten monitoring wells and piezometers were installed to monitor the chlorinated hydrocarbon ground water plume. A recovery well was installed in the basement of the Municipal building. A consent order was signed for site monitoring and evaluating the chlorinated contamination plume. In August 1997 lactate solution was injected in to groundwater with four more between October 1998 and April 2000. The site groundwater was monitored since the injection process. *The committee reviewed the soil confirmation samples and felt that a soils GIS packet with $200 fee was needed and therefore the site was denied closure. [afr = <0.7]*

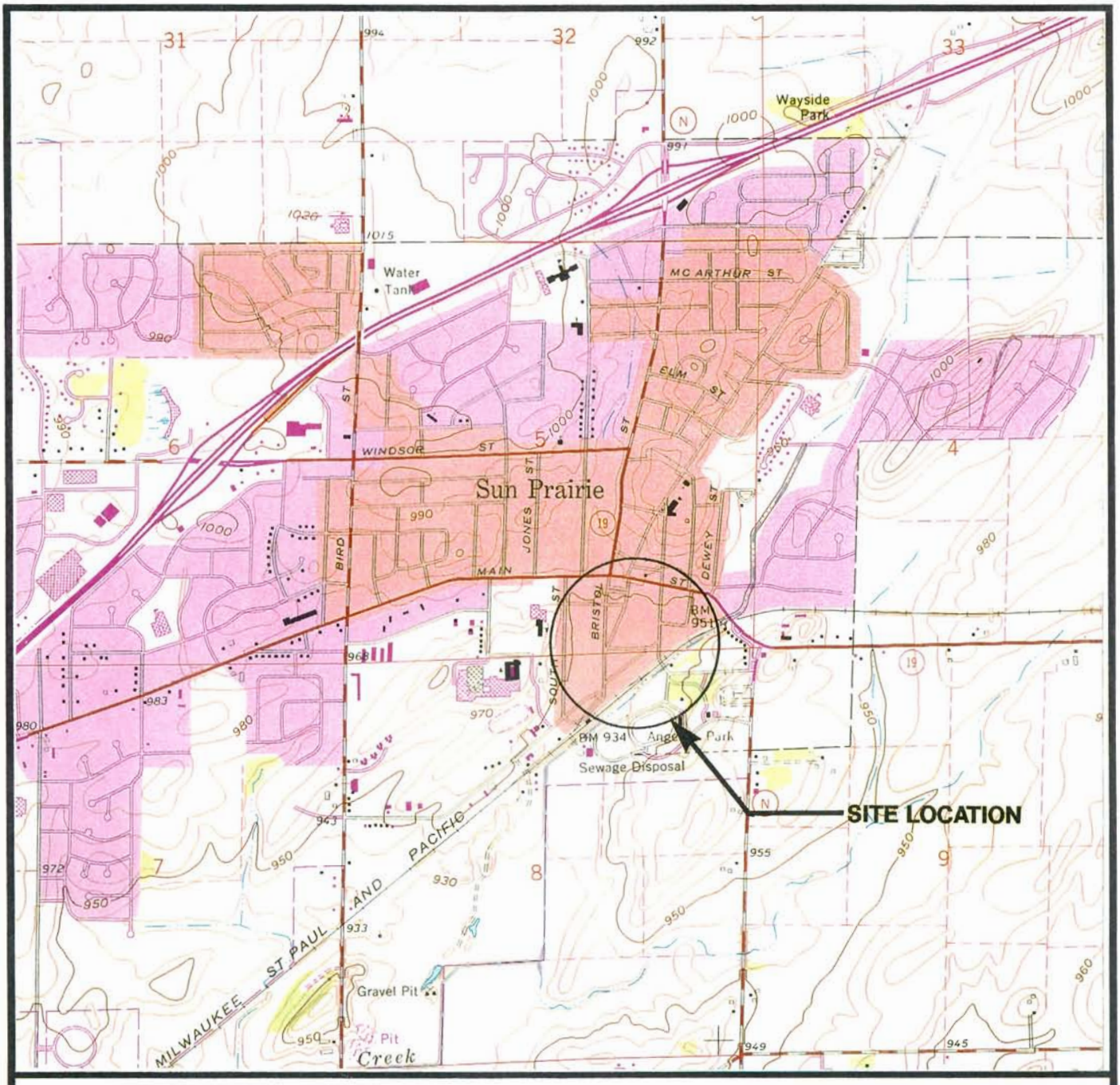
On May 31, 2007 the check for $200 was received along with pertinent Soils GIS information. They have satisfied the technical conditions for the site and should be granted conditional closure. They need to abandon the monitoring wells and injection wells. Sun Prairie has submitted the property deeds information for the source property and the downgradient properties (thirty one properties).

CLOSE With Soil and Groundwater GIS Registry? YES

Patrick McCutcheon _____ Date 7/09/2007

Michael Schmoller _____ Date 7/9/07

Marty Nessman _____ Date 7/9/07



STATE LOCATION

0 2000 4000

SCALE: 1" =2000'

N

SITE LOCATION MAP

CITY OF SUN PRAIRIE
SUN PRAIRIE, WISCONSIN

SOURCE: BASE MAP FROM SUN PRAIRIE, WI.
7.5 MIN. USGS QUADRANGLE.

RMT INC.

DWN. BY:	AKS
APPROVED BY:	JMR
DATE:	APRIL 1996
PROJ. #	3275.01
FILE #	SITE

FIGURE 1

Plot File = K:\PLT\ACAD\SITE.PRF
SCALE = 10000000.000000
Plot Date = Thu Apr 4 14:27:25 1996

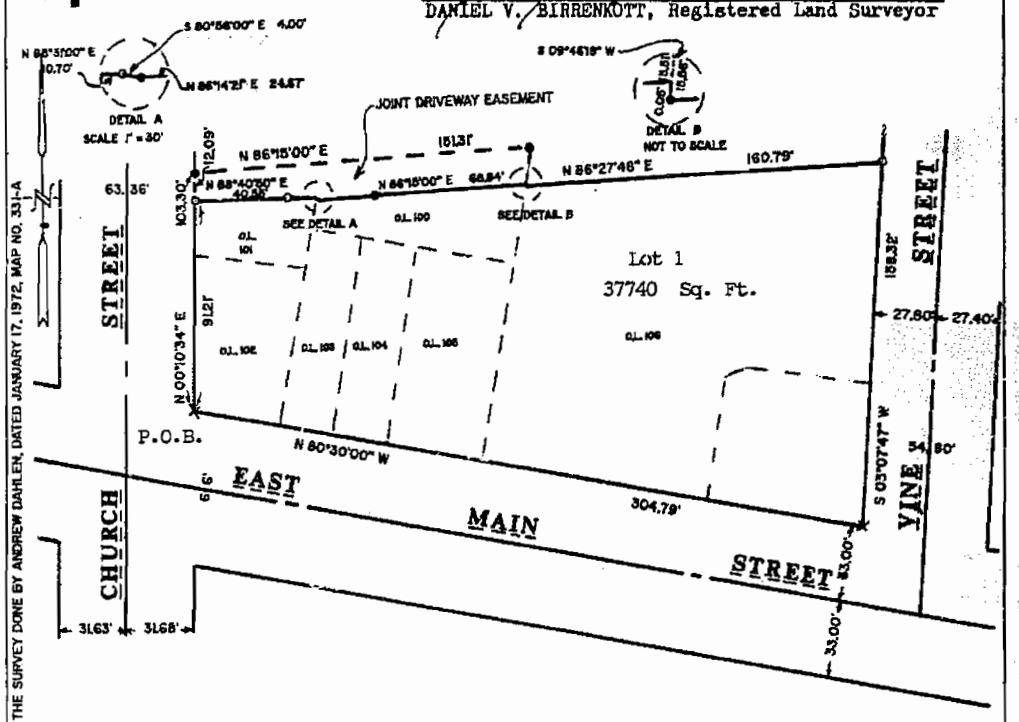
BIRRENKOTT SURVEYING
Post Office Box 237
Sun Prairie, Wisconsin 53590
Phone (608)-837-7463

CERTIFIED SURVEY MAP

SURVEYOR'S CERTIFICATE

I, Daniel V. Birrenkott, hereby certify that this survey is in compliance with Chapter 236.34 of Wisconsin Statutes. I also certify that I have surveyed and mapped the lands described hereon and that the map is a correct representation in accordance with the information provided.

DANIEL V. BIRRENKOTT, Registered Land Surveyor



City of Sun Prairie Approval Certificate

Approved for recording per City of Sun Prairie City Council action of January 7, 1992

Edna E. Markstahler, City Clerk

WISCONSIN DANIEL V. BIRRENKOTT S-1531 Sun Prairie WI LAND SURVEYOR

Sheet one of two

LEGEND
Scale: 1inch = 60 Ft.
● = Iron stake found
○ = 1"x24" Iron pipe set min.wt.=1.13#/ln.Ft.
X = CUT CROSS IN CONCRETE

SURVEYED B.J.M.
DRAWN D.V.B.
APPROVED D.V.B.
FIELD BOOK 19/76,8- 20/1,9
DATE October 1, 1991
TAPE/FILE

OFFICE MAP No. 406a

SURVEYED FOR: City of Sun Prairie 837-2511
124 Columbus Street, Sun Prairie, Wisconsin 53590
DESCRIPTION-LOCATION: Outlots 102,103,104,105 and parts of Outlots 100,101 and 106, Assessor's Plat of the Village of Sun Prairie, (now City) Dane County, Wisconsin
APPROVED FOR RECORDING PER * * * * * * * * * * action of * * * 19 * * * * * * * * * * *

REGISTER OF DEEDS CERTIFICATE
Received for recording this 12th day of February, 19 92 at 11:22 o'clock A.m. and recorded in Volume 33 of Certified Survey Maps of Dane County on Page 1+2
Karen L. Suba
Register of Deeds
Deputy Clerk

DOCUMENT No. 2322946
CERTIFIED SURVEY MAP No. 6656 Vol. 33 Pa. 1+2

12

CERTIFIED SURVEY MAP

Description

Outlots 102, 103,104,105, and parts of Outlots 100,101 and 106, Assessor's Plat of the Village of Sun Prairie, (now City of Sun Prairie), Dane County, Wisconsin more fully described as follows: Beginning at the Southwest Corner of said Outlot 102; Thence N0°10'34"E along the east right of way of Church Street, 91.21 feet; Thence N88°40'50"E along a north building wall, 40.55 feet; Thence N88°31'00"E along the north building wall, 10.70 feet; Thence S80°56'00"E, 4.00 feet; Thence N86°14'21"E, 24.67 feet; Thence N86°15'00"E, 68.84 feet; Thence S9°46'18"W, along the west line of OUtlot 106, 0.05 feet; Thence N86°27'48"E, 160.79 feet; Thence S3°07'47"W along the west right of way line of Vine Street, 156.32 feet; Thence N80°30'00"W, along the north right of way of East Main Street, 304.79 feet to the point of beginning.

WISCONSIN
DANIEL V. BIRRENKOTT
S-1531
Sun Prairie
WI
LAND SURVEYOR

Sheet two of two

Office Map 406a

Document No. 2322946 Certified Survey Map No. 6656

Volume 33 Page 1 + 2

RMT®
www.rmtinc.com

744 Heartland Trail
Madison, WI 53717
Telephone: 608-831-4444
Fax: 608-831-3334

March 9, 2007

Mr. Larry Herman
Public Works Director
City of Sun Prairie
300 E. Main Street
Sun Prairie, Wisconsin 53590

Subject: **City of Sun Prairie Municipal Building Site Closure**
300 East Main Street, Sun Prairie, Wisconsin

Dear Mr. Herman:

RMT, Inc. (RMT), on behalf of our client the City of Sun Prairie (the City), will be submitting a request for case closure to the Wisconsin Department of Natural Resources (WDNR) for the Municipal Building site (the site), located at 300 E. Main Street, Sun Prairie, Wisconsin.

As a condition of closure under NR 726, RMT will be requesting that the site groundwater perchloroethene (PCE) plume be placed on the WDNR Geographic Information System (GIS) Registry of Closed Remediation Sites. The attached figure shows the plume layout relative to the City site.

This site will be closed with a natural attenuation pathway for groundwater, because site-wide monitoring wells still show WDNR Enforcement Standard (ES) exceedences for PCE ranging from 11 to 450 µg/L. In addition, there is a potential for unsaturated soil impacts at depth (8-10 feet below ground surface) along the northern edge of Main Street, near the existing Municipal Building. Now that source area remediation has occurred, the remaining impacts are expected to naturally attenuate.

Individuals conducting excavation activities in the right-of-way (ROW) of Main Street, Market Street, Cannery Square, Cannery Place, East Lane Street, and possibly Railroad Street and Bristol Street may encounter PCE-related impacts in groundwater or saturated soil (8 to 12 feet below ground surface) and should manage this soil and groundwater in accordance with WDNR regulations. See the attached figure for the portions of these streets that may have impacted groundwater.

You have a right to contact the WDNR, within 30 days from the date of this letter, and provide any technical information you may have which indicates that closure should not be granted for this site. Submit any such information to the following address:

Mr. Wendell Wojner
Wisconsin Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg, WI 53711

If you need more information, or if you have any questions, please contact me, at 608-662-5221, or contact Wendell Wojner of the WDNR, at 608-275-3297.

Sincerely,

RMT, Inc.

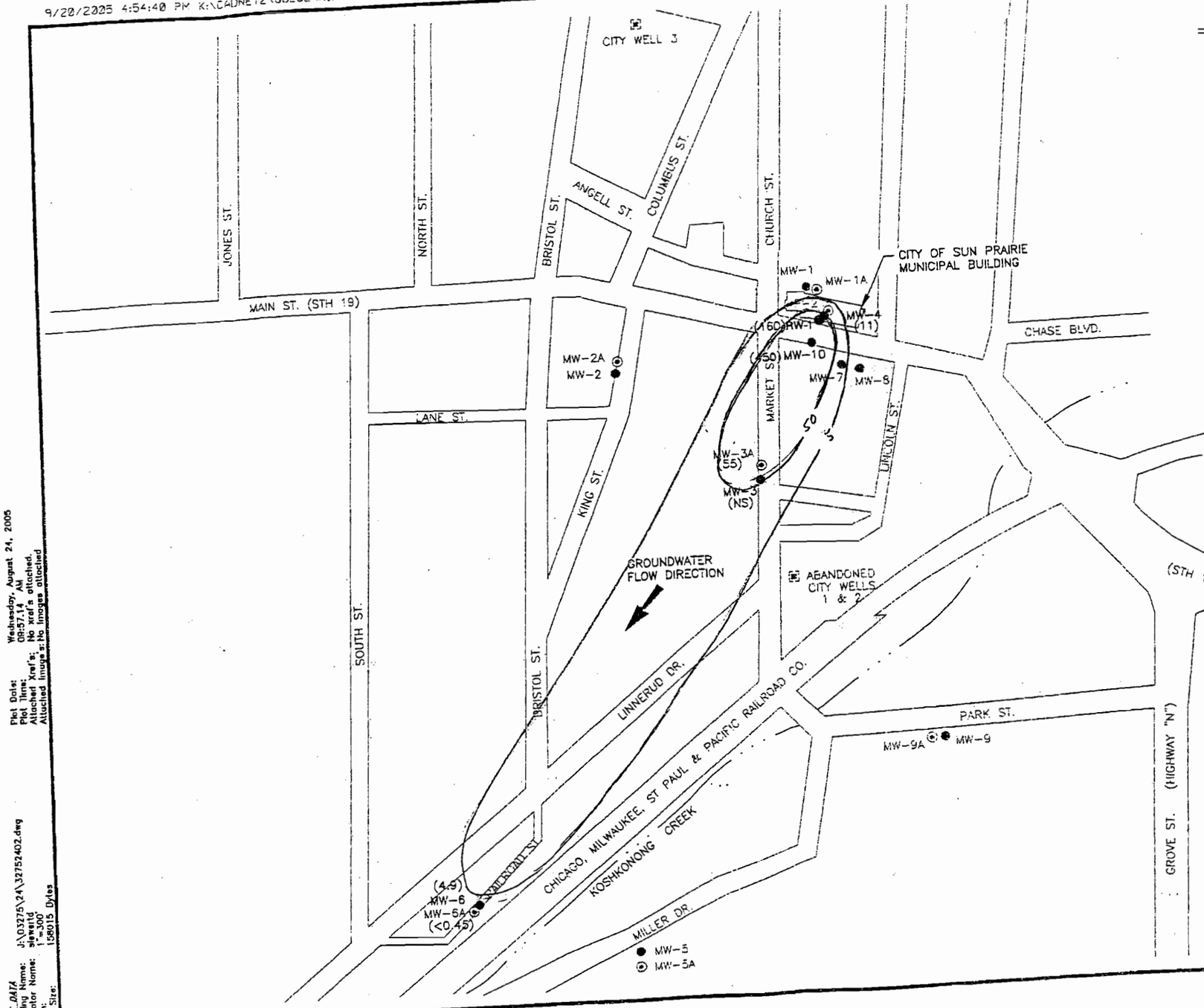
Cassie R. Johnson

Cassie R. Johnson
Project Manager

Attachment

cc: Mr. Wendell Wojner – Wisconsin Department of Natural Resources
Pat Cannon – City of Sun Prairie
Paul Evert – City of Sun Prairie
Robb Remiker – City of Sun Prairie

9/20/2005 4:54:40 PM K:\CADNET2\QUEUE\KIP 7200.qcf meyerhoc J:\03275\24\32752403..prf



LEGEND

● MW-1	WATER TABLE MONITORING WELL
⊙ MW-1A	PIEZOMETER
▣	CITY WELL
(55)	PCE CONCENTRATION (µg/L)
NS	NOT SAMPLED DUE TO DAMAGED PROTECTIVE CASING

NOTES

ONLY THOSE WELLS SHOWN IN BOLD ARE INCLUDED IN THE CURRENT MONITORING PROGRAM.

N

0 300' 600'

SCALE: 1"=300'

PROJECT: CITY OF SUN PRAIRIE
SUN PRAIRIE, WISCONSIN

SHEET TITLE: MONITORING WELL LOCATIONS AND JULY 2005 PCE CONCENTRATIONS

DRAWN BY: MEYERHOC	SCALE: 1"=300'	PROJ. NO. 03275.24
CHECKED BY: NK		FILE NO. 32752403.DWG
APPROVED BY: CRJ	DATE PRINTED: SEP 21 2005	FIGURE 1
DATE: SEPTEMBER 2005		

RMT. INC.
744 Heartland Trail
Madison, WI 53717-1934
P.O. Box 8923 53708-8923
Phone: 608-831-4444
Fax: 608-831-3334

PLOT DATA
Drawing Name: J:\03275\24\32752402.dwg
Operator Name: sieweld
Scale: 1=300
Dwg Size: 1360115 Bytes

Plot Date: Wednesday, August 24, 2005
Plot Time: 08:57:14 AM
Attached Xref's: No xref's attached.
Attached Image s: No images attached

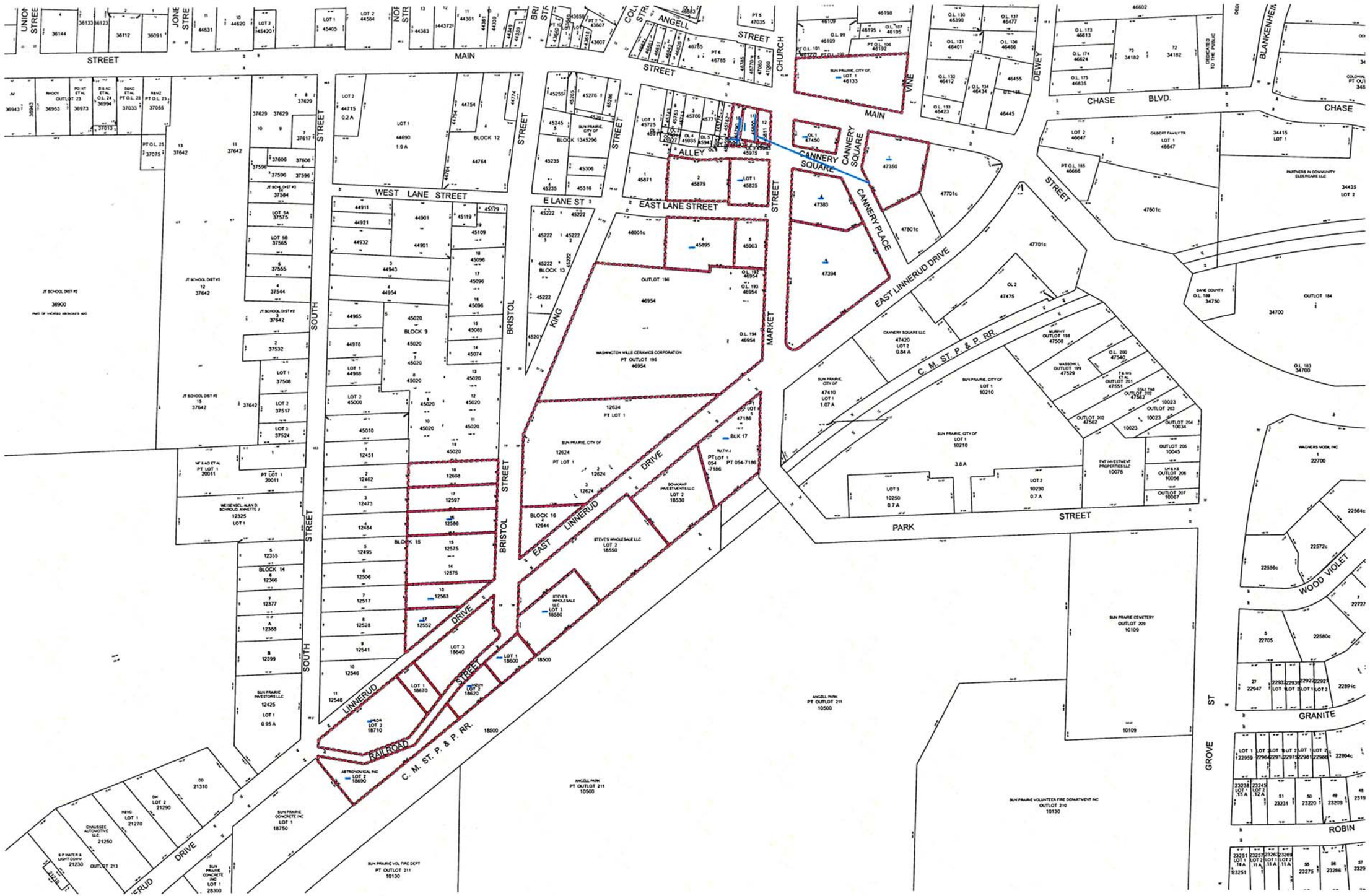

UNION STREET
JONES STREET
MAIN
ANGELL STREET
CHURCH
VINE
DEWEY
CHASE BLVD.
BLANKENHEIM
CHASE
WEST LANE STREET
E LANE ST
EAST LANE STREET
ALLEY
CANNERY SQUARE
CANNERY PLACE
EAST LINNERUD DRIVE
C. M. ST. P. & P. RR.
SOUTH BRISTOL STREET
KING
MARKET STREET
PARK STREET
WOOD VIOLET
GRANITE
ROBIN
GROVE ST
LINNERUD DRIVE
RAILROAD
SUN PRAIRIE, CITY OF
CANNERY SQUARE LLC
WASHINGTON MILLS CERAMICS CORPORATION
SUN PRAIRIE INVESTORS LLC
SUN PRAIRIE CEMETERY
SUN PRAIRIE VOLUNTEER FIRE DEPARTMENT INC
ANGELL PARK
SUN PRAIRIE VOL FIRE DEPT
SUN PRAIRIE CONCRETE INC
ASTRONOMICAL INC
STEVE'S WHOLESALE LLC
BOWMAN INVESTMENTS LLC
TNT INVESTMENT PROPERTIES LLC
DANE COUNTY
PARTNERS IN COMMUNITY ELDERCARE LLC
WAGNERS MOBIL INC
CHAUSSEE AUTOMOTIVE LLC
B.P. WATER & LIGHT CONV
JT SCHOOL DIST #2

TABLE 5

UNSATURATED SOIL LABORATORY RESULTS
CITY OF SUN PRAIRIE

Analyte[1]	Soil Boring Location (sample depth interval in feet)						Generic NR 720 Soil Cleanup Value
	B-1		MW-7		MW-8		
	1 - 3	11 - 13	6 - 8	11 - 13	4.5 - 6.5	9.5 - 11.5	
Volatile Organic Compounds (µg/kg)							
Tetrachloroethene	< 25	670	< 25	< 25	< 25	< 25	NE
Toluene	< 25	39	< 25	< 25	< 25	< 25	1,500
Trichlorofluoromethane	< 25	250	< 25	< 25	< 25	< 25	NE
Gasoline range organics (mg/kg)	< 3.0	< 2.6	< 3.2	< 2.7	4.4	< 3.1	100
Lead (mg/kg)	12	4.1	10	< 3.5	29	11	50
Date Sample Collected:	10/16/95		11/30/95		1/17/96		

NOTES:

[1] Only the analytes that had at least one soil concentration above the detection limits are reported on this table. See Appendix I for the laboratory reports for the soil samples.

NE Soil cleanup values are not established.

TABLE 3.02-1

SOIL SAMPLE ANALYTICAL RESULTS
SERVICE STATION AREA

LUST SITE INVESTIGATION

SUN PRAIRIE CITY HALL SITE

Parameter	B10-5	B11-5	B12-5	B14-5	B14-5D	B15-4	B16-4	B17-4	Detection Limit
Metals, mg/kg									
Lead, total	6.42	28.8	24.7	18.1	19.2	20.2	21.7	20.8	--
Cadmium, total	0.52	1.77	0.69	--	--	--	--	--	--
VOCs, µg/kg									
Methylene Chloride	1.5	2.5	20.0	--	--	--	--	--	1.0
Toluene	<1.0	1.1	<1.0	--	--	--	--	--	1.0
Tetrachloroethene	<2.0	370.0	7.5	--	--	--	--	--	2.0
Trichloroethene	<1.0	<1.0	2.9	--	--	--	--	--	1.0
PAHs, µg/kg									
Naphthalene	17.4	<2.50	<2.50	--	--	--	--	--	2.50
Anthracene	0.31	<0.20	1.16	--	--	--	--	--	0.20
Fluoranthene	1.71	0.97	10.80	--	--	--	--	--	0.10
Pyrene	1.46	1.02	10.30	--	--	--	--	--	0.20
Benzo (a) anthracene	0.63	0.35	5.78	--	--	--	--	--	0.10
Benzo (b) fluoranthene	0.87	0.62	5.40	--	--	--	--	--	0.10
Benzo (k) fluoranthene	0.43	0.30	3.13	--	--	--	--	--	0.10
Benzo (a) pyrene	0.79	0.49	6.45	--	--	--	--	--	0.10
Dibenzo (a,h) anthracene	0.38	0.21	1.23	--	--	--	--	--	0.10
Benzo (g,h,i) perylene	0.96	0.73	5.20	--	--	--	--	--	0.10
Ideno (1,2,3-cd) pyrene	0.96	0.52	6.04	--	--	--	--	--	0.20

Sample Date - January 2, 1992

TABLE 3.02-2

SOIL SAMPLE ANALYTICAL RESULTS
DRY CLEANER AREA

LUST SITE INVESTIGATION

SUN PRAIRIE CITY HALL SITE

Parameter	Boring Name				Detection Limit
	B18-4	B19A-2	B20-3	B21-2	
VOCs, $\mu g/kg$[a]					
Methylene Chloride[b]	4.4	4.3	4.8	6.8	2.0
Tetrachloroethene	< 1.0	45	18	110	1.0
Trichloroethene	< 1.0	< 1.0	< 1.0	1.1	1.0

[a] Method 8021 used.
[b] Methylene chloride also detected in laboratory blanks at approximately these levels.

Sample Date - February 26, 1992

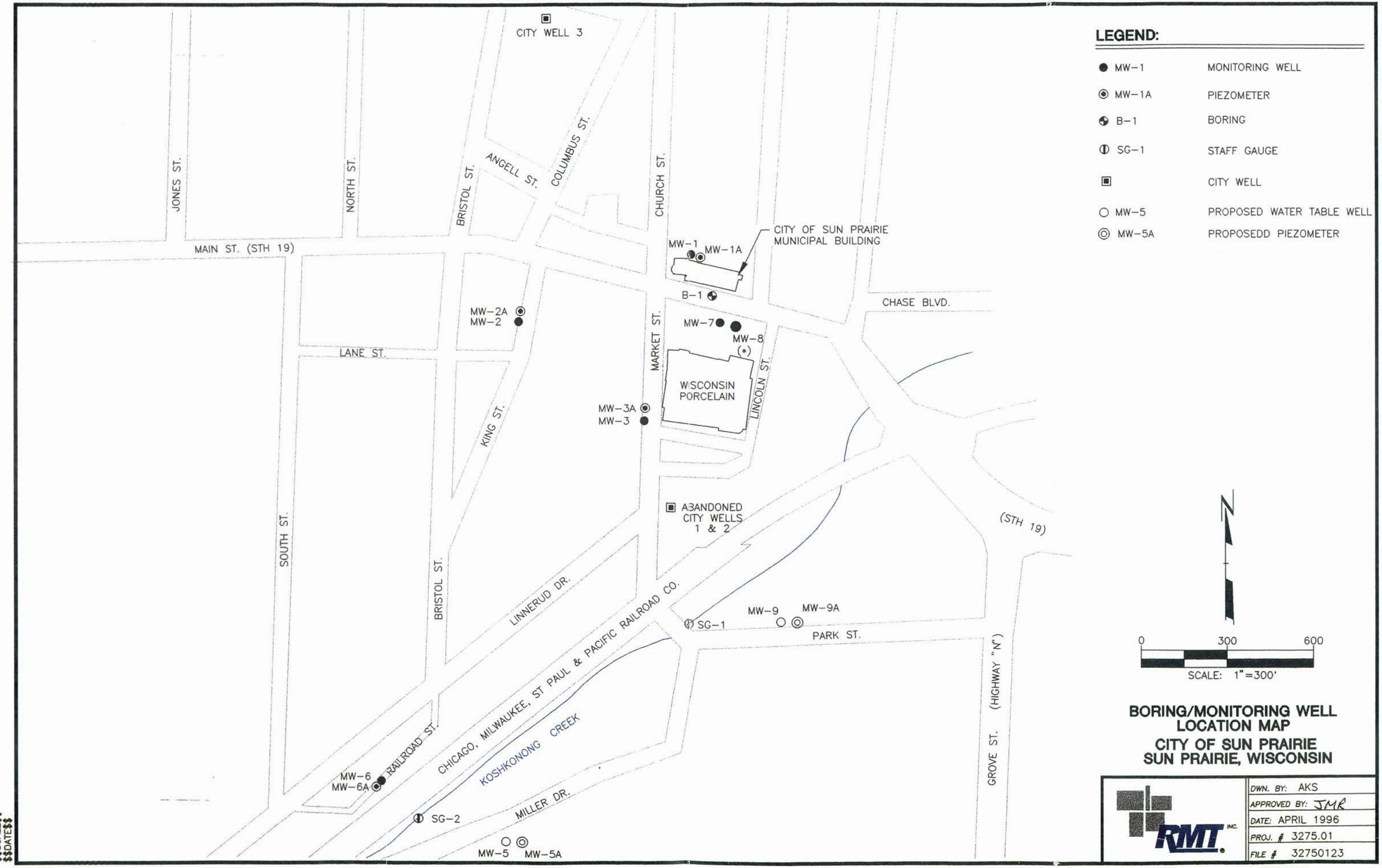
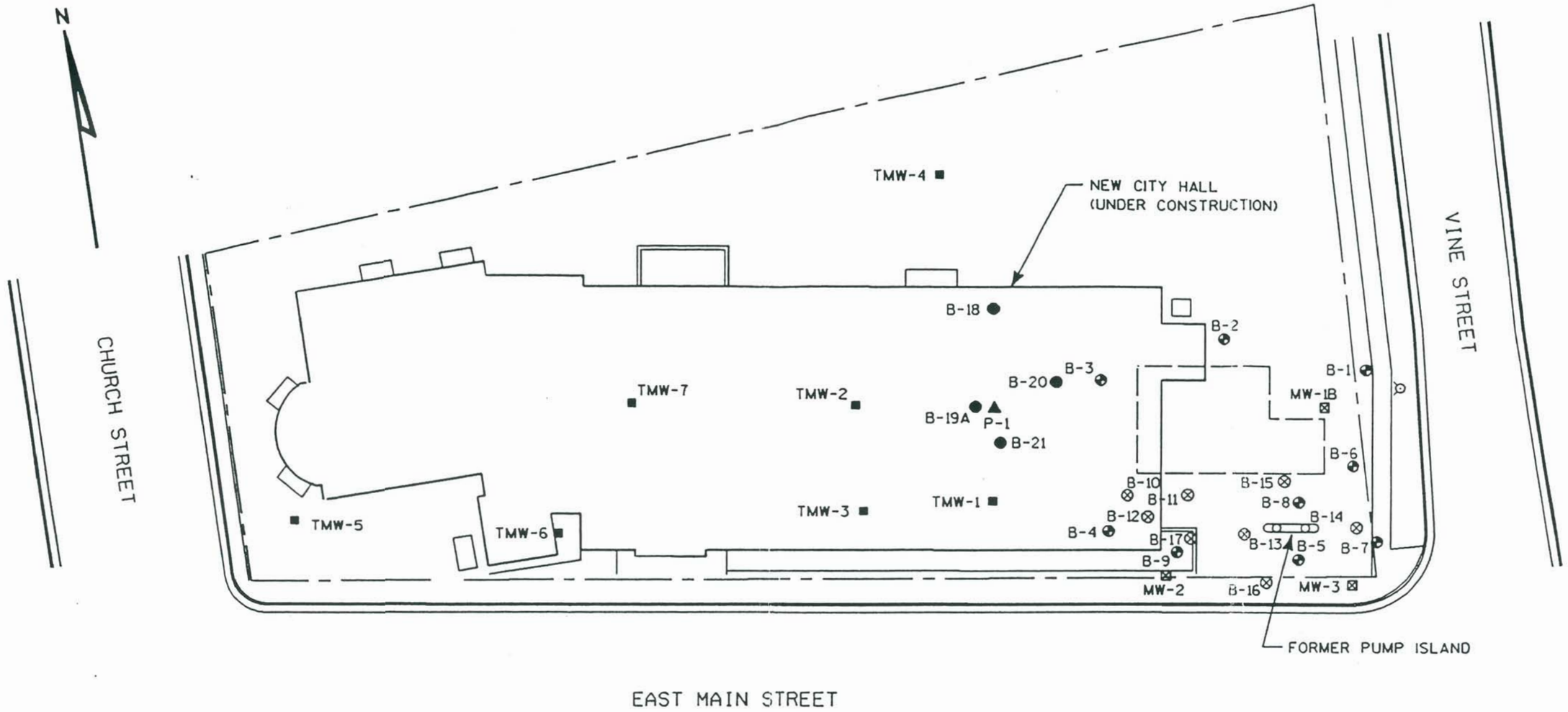

LEGEND:
MW-1 MONITORING WELL
MW-1A PIEZOMETER
B-1 BORING
SG-1 STAFF GAUGE
CITY WELL
MW-5 PROPOSED WATER TABLE WELL
MW-5A PROPOSEDD PIEZOMETER
CITY WELL 3
JONES ST.
NORTH ST.
BRISTOL ST.
ANGELL ST.
COLUMBUS ST.
CHURCH ST.
MAIN ST. (STH 19)
CITY OF SUN PRAIRIE MUNICIPAL BUILDING
MW-1
MW-1A
B-1
CHASE BLVD.
MW-2A
MW-2
MW-7
MW-8
MARKET ST.
LANE ST.
WISCONSIN PORCELAIN
LINCOLN ST.
MW-3A
MW-3
KING ST.
ABANDONED CITY WELLS 1 & 2
(STH 19)
SOUTH ST.
BRISTOL ST.
LINNERUD DR.
CHICAGO, MILWAUKEE, ST PAUL & PACIFIC RAILROAD CO.
SG-1
MW-9
MW-9A
PARK ST.
GROVE ST. (HIGHWAY "N")
RAILROAD ST.
MW-6
MW-6A
KOSHKONONG CREEK
SG-2
MILLER DR.
MW-5
MW-5A
0 300 600
SCALE: 1"=300'
BORING/MONITORING WELL LOCATION MAP
CITY OF SUN PRAIRIE
SUN PRAIRIE, WISCONSIN
RMT INC.
DWN. BY: AKS
APPROVED BY: JMR
DATE: APRIL 1996
PROJ. # 3275.01
FILE # 32750123
$$PRF$$
$$SCALE$$
$$DATE$$

FIGURE 2



LEGEND

- SOIL BORINGS, MAY 1990
- SOIL BORINGS, JAN. 1992
- SOIL BORINGS, FEB. 1992
- MONITORING WELL, JAN. 1992.
- TEMPORARY MONITORING WELL, FEB AND MAY 1992
- PIEZOMETER, FEB. 1992
- PROPERTY LINE
- FIRE HYDRANT

SCALE 1"=30'

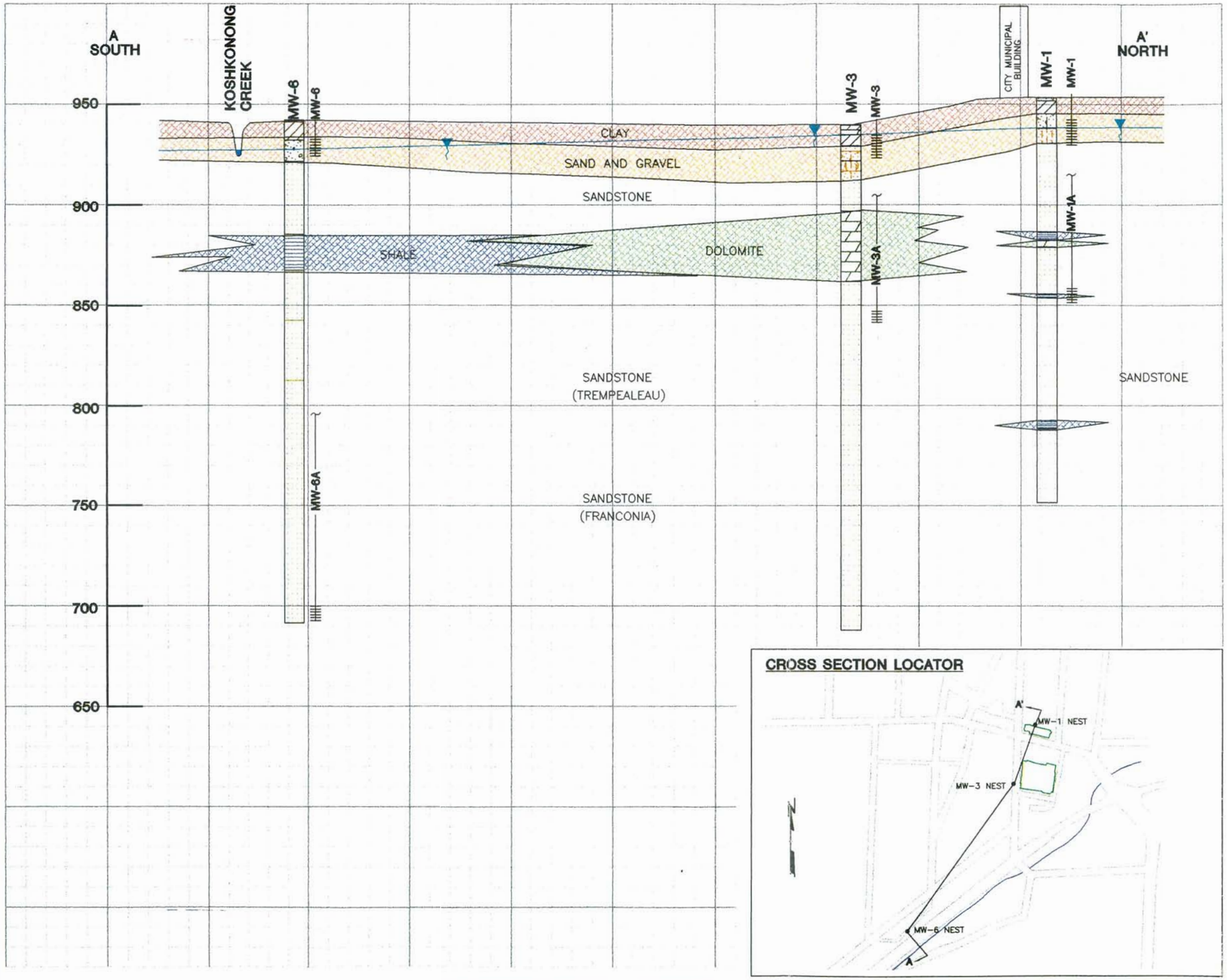
SUN PRAIRIE CITY HALL SITE

STRAND ASSOCIATES, INC. ENGINEERS

FIGURE 3.01-1

BORING AND WELL LOCATIONS

DRAWING NO. 41-921-16B



LEGEND

- EXISTING GROUND SURFACE
- STRATIGRAPHIC BOUNDARY, DASHED WHERE INFERRED
- WATER TABLE ELEVATION

WELL CONSTRUCTION

MW-3A
- WELL SEAL
- SCREENED INTERVAL

LITHOLOGIC UNITS

- LEAN CLAY (CL)
- SAND AND GRAVEL (SW)
- SILTY SAND (SM)
- SHALE
- DOLOMITE
- SANDSTONE

NOTES

1. ELEVATION REFERENCED TO USGS MEAN SEA LEVEL DATUM.
2. FOR DETAILED LITHOLOGIC DESCRIPTIONS, SEE BORING LOGS, APPENDIX C. FOR WELL CONSTRUCTION DETAILS, SEE APPENDIX D.
3. WATER TABLE MEASURED DEC. 5 & 6, 1995.
4. SEE INSET FOR LOCATION OF CROSS SECTION.

HORIZONTAL SCALE: 1"=300'
VERTICAL SCALE: 1"=50'

GEOLOGIC CROSS SECTION
CITY OF SUN PRAIRIE
SUN PRAIRIE, WISCONSIN

RMT INC.

DWN. BY:	AKS
APPROVED BY:	JMR
DATE:	APRIL 1996
PROJ. #	3275.01
FILE #	32750121

FIGURE 3

$$SCALE$$
$$DATE$$

TABLE 4.01-1

SOIL SAMPLING RESULTS
GASOLINE AREA EXCAVATION

LUST SITE INVESTIGATION

SUN PRAIRIE CITY HALL SITE

	Sample Name					
Parameter	East Wall No. 312	North Wall No. 321	North Wall No. 322 (Dup)	South Wall No. 323	West Wall No. 335	Bottom No. 336
Depth, ft	9	9	9	8	8	12
PVOCs, μg/kg						
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0	<50
Ethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	610
Toluene	<1.0	<1.0	<1.0	<1.0	<1.0	280
1,2,4 TMB	<1.0	<1.0	<1.0	<1.0	<1.0	245
1,3,5 TMB	<1.0	<1.0	<1.0	<1.0	<1.0	1,400
o-Xylene	<1.0	<1.0	<1.0	<1.0	<1.0	740
m&p Xylene	<2.0	<2.0	<2.0	<2.0	<2.0	2,100
MTBE	<5.0	<5.0	<5.0	<5.0	<5.0	<250
GRO[a], mg/kg	<10	<10	<10	<10	<10	23
Date Sampled	6/11/92	6/11/92	6/11/92	6/11/92	6/12/92	6/12/92
Date Received	6/12/92	6/12/92	6/12/92	6/12/92	6/12/92	6/12/92
Date Analyzed	6/26/92	6/26/92	6/26/92	6/26/92	6/19/92	6/24/92
Lead[b], total mg/kg	3.8	2.5	2.6	3.6	6.3	4.6
Date Sampled	6/11/92	6/11/92	6/11/92	6/11/92	6/12/92	6/12/92
Date Analyzed	6/19/92	6/19/92	6/19/92	6/19/92	6/30/92	6/30/92

[a] Wisconsin DNR modified GRO method
[b] Reported on a dry weight basis

TABLE 4.01-2

SOIL SAMPLING RESULTS
USED MOTOR OIL AREA EXCAVATION

LUST SITE INVESTIGATION

SUN PRAIRIE CITY HALL SITE

Parameter	Sample Name				
	Bottom No. 420	North Wall No. 421	East Wall No. 422	South Wall No. 423	West Wall No. 424
Depth, ft	12	8	8	8	8
VOCs, μg/kg					
Methylene Chloride	3.0	1.7	2.1	2.4	1.7
Tetrachloroethene	30	6.2	<2.0	<2.0	5.4
PAHs, μg/kg					
Benzo(a)anthracene	0.67	1.1	0.79	0.78	0.95
TRPH, mg/kg	<10	<10	<10	<10	<10
Date Sampled	6/12/92	6/12/92	6/12/92	6/12/92	6/12/92
Date Analyzed	6/22/92	6/22/92	6/22/92	6/22/92	6/22/92
Metals, mg/kg					
Lead*, total	3.26	6.43	4.43	6.25	5.52
Cadmium*, total	ND	ND	ND	ND	DBLOQ
Date Sampled	6/12/92	6/12/92	6/12/92	6/12/92	6/12/92
Date Analyzed	6/19/92	6/19/92	6/19/92	6/19/92	6/19/92

* - Reported on a dry weight basis
DBLOQ - Detected below limit of quantitation
ND - Not detected

TABLE 4.01-3

SOIL SAMPLING RESULTS
DRY CLEANER AREA EXCAVATION

LUST SITE INVESTIGATION

SUN PRAIRIE CITY HALL SITE

Parameter	Sample Name						
	North Wall No. 203	West Wall No. 227	East Wall No. 228	South Wall No. 231	South Wall No. 232 (Dup)	Bottom No. 235	Southeast Wall No. 237
Depth, ft	8	8	8	8	8	12	9
[a]Tetrachloroethene, µg/kg	59	160	107	470	420	280	1,500
Date Sampled	6/10/92	6/10/92	6/10/92	6/10/92	6/10/92	6/10/92	6/10/92
Date Received	6/11/92	6/11/92	6/11/92	6/11/92	6/11/92	6/11/92	6/11/92
Date Analyzed	6/13/92	6/13/92	6/13/92	6/13/92	6/13/92	6/13/92	6/13/92

Parameter	Sample Name						
	West Wall No. 238	North Wall No. 247	North Wall No. 247 (Dup)	Northeast Wall No. 254	Southwest Wall No. 277	Bottom No. 298	Southeast Wall No. 299T
Depth, ft	9	9	9	9	9	13	10
[b]Chloroform, µg/kg	5.0	<2.0	<2.0	<2.0	4.0	4.0	<2.0
[b]Tetrachloroethene, µg/kg	8.0	166	60	393	33	1,084	1,100
Date Sampled	6/29/92	6/29/92	6/29/92	6/29/92	6/29/92	6/29/92	6/29/92
Date Received	7/02/92	7/02/92	7/02/92	7/02/92	7/02/92	7/02/92	7/02/92
Date Analyzed	7/02/92	7/02/92	7/02/92	7/02/92	7/02/92	7/02/92	7/02/92

TABLE 4.01-4

SOIL SAMPLE RESULTS
FUEL OIL UST AREA

LUST SITE INVESTIGATION

SUN PRAIRIE CITY HALL SITE

Sample	Sample Location	Sample Depth (ft)	Soil Type	Analytical Results				Date Extracted/Analyzed
				Screening[a]	DRO[b]	PVOC[c]	PAH[c]	
5/22/92								
1	Base	13	Sand	0	<10.0	ND	<100.0	5/26/92 - 5/28/92
2	North Wall	13	Sand	0	36.1	ND	--	5/26/92 - 5/28/92
3	West Wall	13	Silt	0	<10.0	ND	--	5/26/92 - 5/28/92
4	South Wall	13	Sand	0	10.2	ND	--	5/26/92 - 5/28/92
5	East Wall	13	Sand	0	52.3	ND	--	5/26/92 - 5/28/92
5 Dup	East Wall	13	Sand	0	110.0	ND	--	5/26/92 - 5/28/92
6/1/92								
6	North Wall	8	Clayey Silt	0	<10	--	--	6/2/92
7	North Wall	8	Clayey Silt	0	<10	--	--	6/2/92
8	East Wall	8	Clayey Silt	0	<10	--	--	6/2/92
9	Base	12	Clayey Silt	0	<10	--	--	6/2/92

[a] Units are ppm TOV as benzene
[b] Units are mg/kg
[c] Units are µg/kg, Method 8270

TABLE 4.01-5

SOIL SAMPLE RESULTS
FUEL OIL SPILL AREA

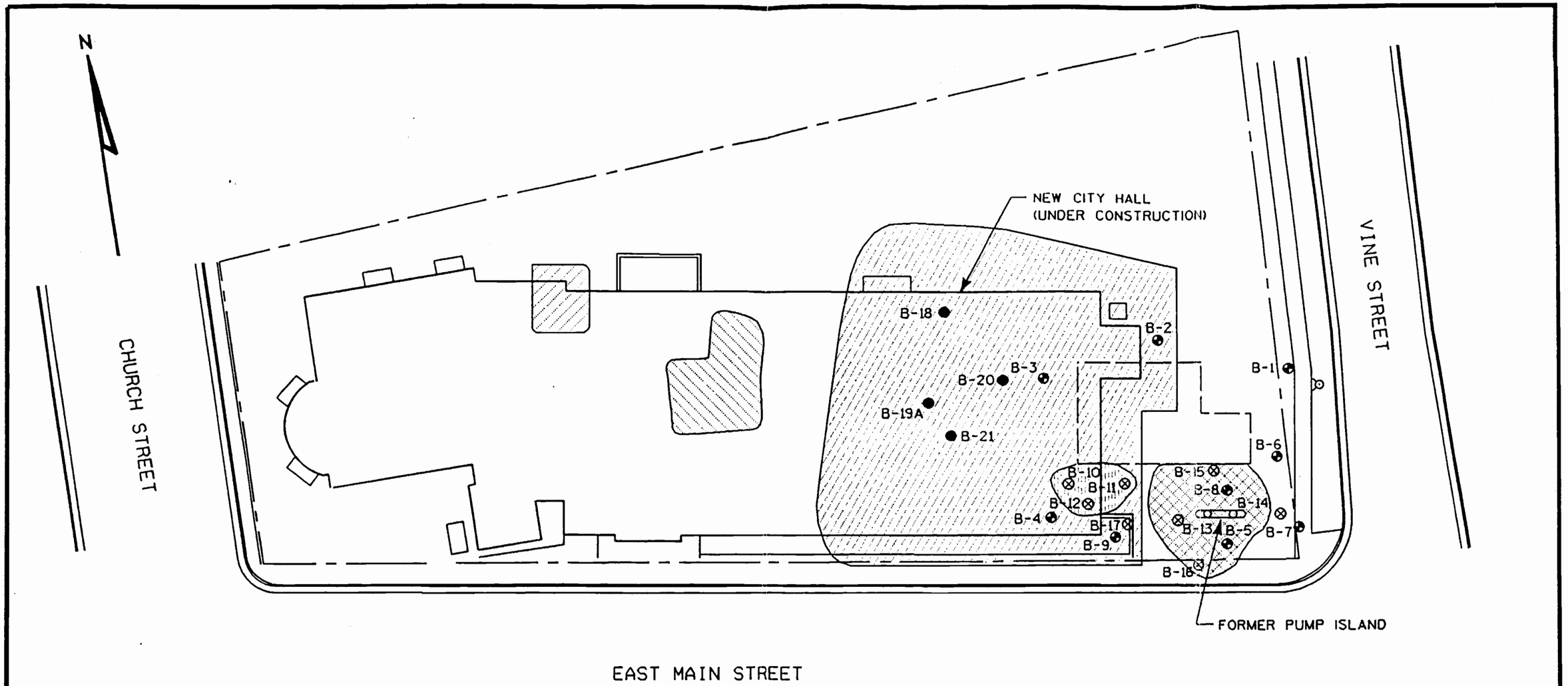
LUST SITE INVESTIGATION

SUN PRAIRIE CITY HALL SITE

				Analytical Results		
Sample	Sample Location	Soil Type	Sample Depth	Screening[a]	DRO[b]	Date Extracted/Analyzed
6/8/92						
1	Base	Sand	14	0	<10	6/10/92
2	West Wall	Sand	14	0	<10	6/10/92
3	South Wall	Sand	14	0.8	<10	6/10/92
3 Dup	South Wall	Sand	14	0.8	<10	6/10/92
4	East Wall	Sand	14	2	<10	6/10/92
5	North Wall	Sand	13	0.2	<10	6/10/92

[a] Units are ppm TOVs as benzene

[b] Units are mg/kg



LEGEND

- FUEL OIL UST AREA
- FUEL OIL SPILL AREA
- PCE AREA
- USED MOTOR OIL AREA
- GASOLINE AREA
- FIRE HYDRANT
- PROPERTY LINE
- FORMER BUILDING
- SOIL BORING MAY 1990
- SOIL BORING JAN. 1992
- SOIL BORING FEB. 1992

SCALE 1"=30'

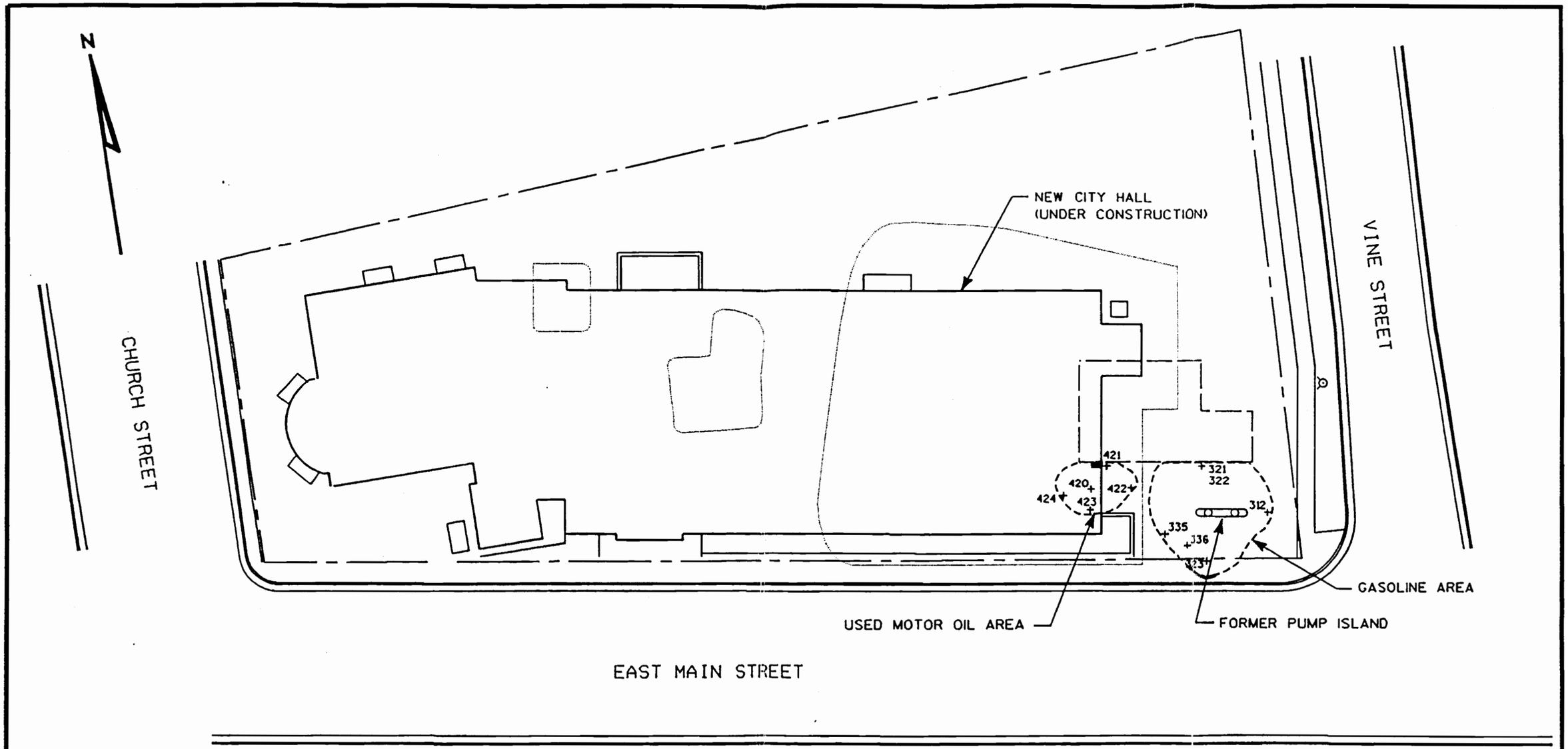
SUN PRAIRIE CITY HALL SITE

STRAND ASSOCIATES, INC. ENGINEERS

FIGURE 3.05-1

SOIL EXCAVATION LIMITS

DRAWING NO. 41-921-22B



LEGEND

420 + APPROX. LABORATORY SAMPLE LOCATION AND SAMPLE NUMBER

—— - —— PROPERTY LINE

—— —— — FORMER BUILDING

- - - - - - - EXCAVATION LIMITS

——— INACCESSABLE AREA CONTAMINATED AT ABOUT 9 FT. DEPTH

▬ FORMER USED MOTOR OIL TANK

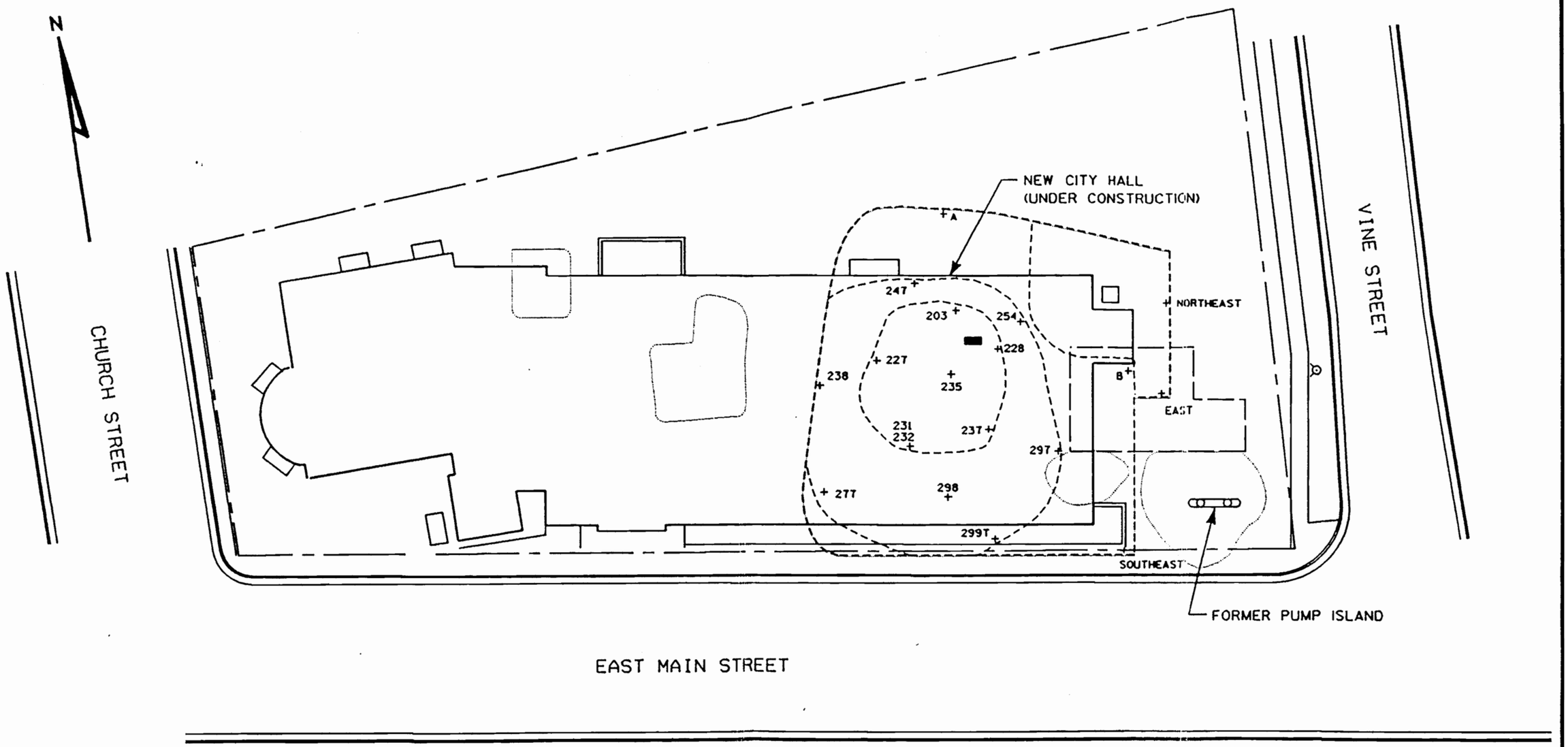
SCALE 1"=30'

SUN PRAIRIE CITY HALL SITE

STRAND ASSOCIATES, INC. ENGINEERS

FIGURE 4.01-1
EXCAVATION SAMPLING LOCATIONS-GASOLINE AND USED MOTOR OIL AREAS

DRAWING NO. 41-921-24B



LEGEND

227 + APPROX. LABORATORY SAMPLE LOCATION AND SAMPLE NUMBER
— - — PROPERTY LINE
— — — FORMER BUILDING
------- EXCAVATION LIMITS
------- PRIOR EXCAVATION LIMITS
FORMER TANK

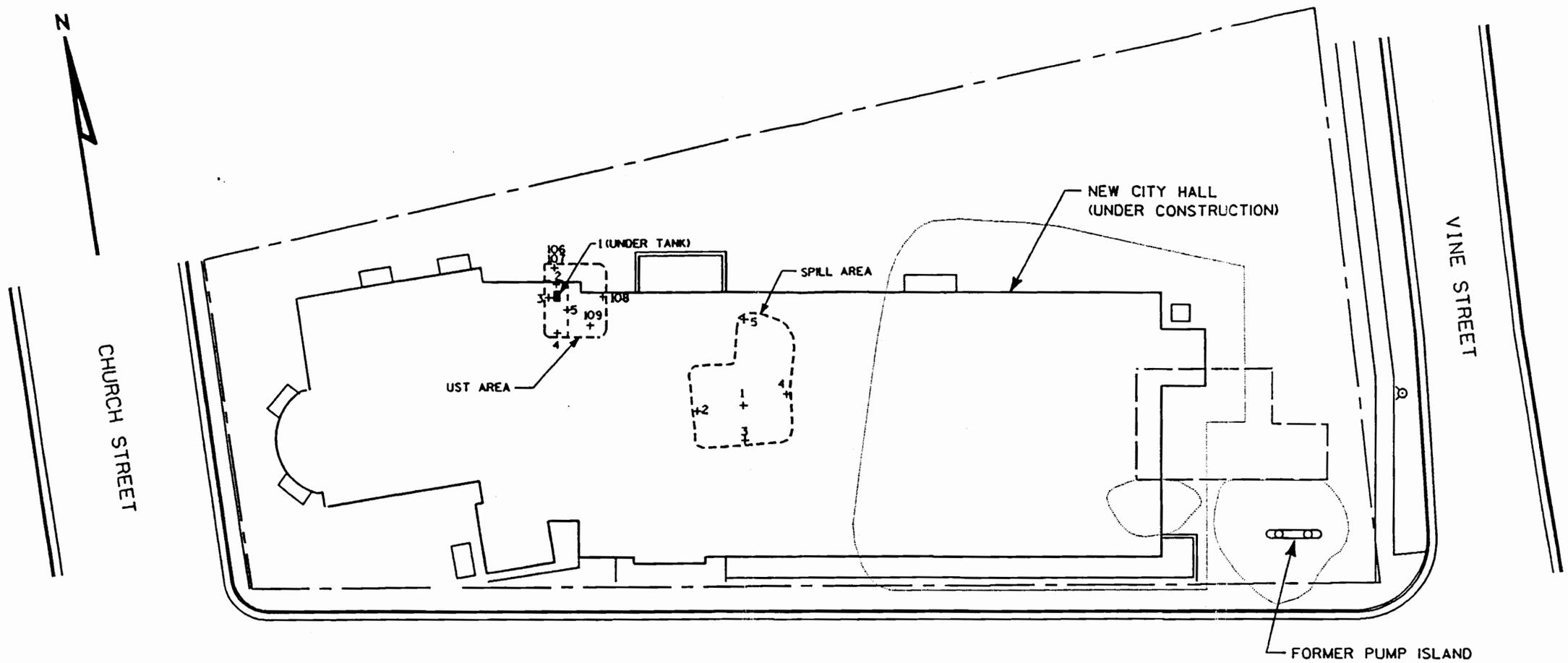
SCALE 1"=30'

SUN PRAIRIE CITY HALL SITE

STRAND ASSOCIATES, INC. ENGINEERS

FIGURE 4.01-2
EXCAVATION SAMPLING LOCATIONS-DRY CLEANING AREA

DRAWING NO. 41-921-25B



LEGEND

+2	APPROX. LABORATORY SAMPLE LOCATION AND SAMPLE NUMBER
— - —	PROPERTY LINE
— — —	FORMER BUILDING
- - - - - - -	EXCAVATION LIMITS
- - - - - - -	PRIOR EXCAVATION LIMITS
▮	FORMER TANK

SCALE 1"=30'

SUN PRAIRIE CITY HALL SITE

STRAND ASSOCIATES, INC. ENGINEERS

FIGURE 4.01-3
EXCAVATION SAMPLING LOCATIONS
FUEL OIL AREAS

DRAWING NO. 41-921-26B

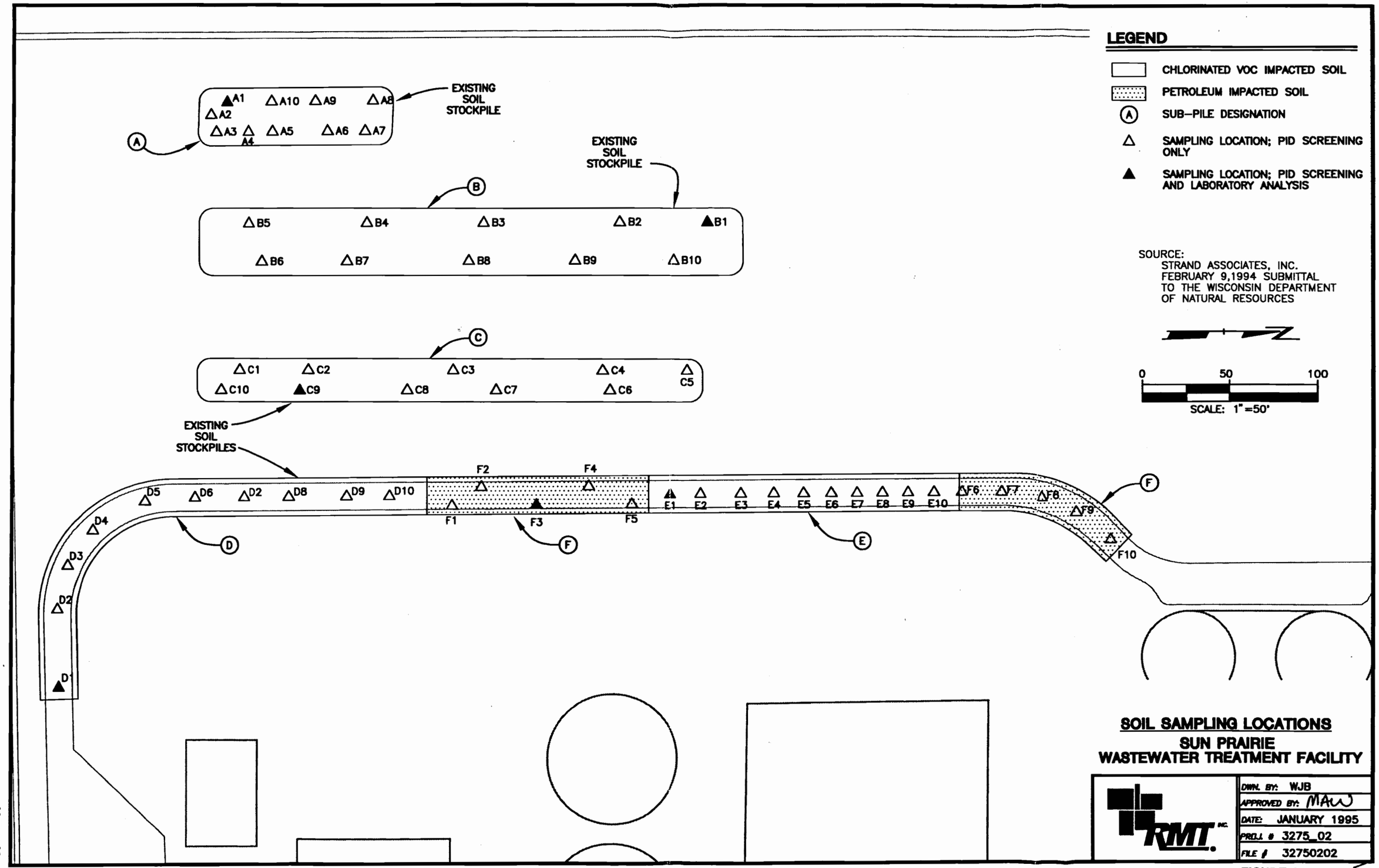

LEGEND
CHLORINATED VOC IMPACTED SOIL
PETROLEUM IMPACTED SOIL
SUB-PILE DESIGNATION
SAMPLING LOCATION; PID SCREENING ONLY
SAMPLING LOCATION; PID SCREENING AND LABORATORY ANALYSIS
SOURCE:
STRAND ASSOCIATES, INC.
FEBRUARY 9,1994 SUBMITTAL
TO THE WISCONSIN DEPARTMENT
OF NATURAL RESOURCES
0
50
100
SCALE: 1"=50'
EXISTING SOIL STOCKPILE
A1
A10
A9
A8
A2
A3
A4
A5
A6
A7
A
EXISTING SOIL STOCKPILE
B
B5
B4
B3
B2
B1
B6
B7
B8
B9
B10
C
C1
C2
C3
C4
C5
C10
C9
C8
C7
C6
EXISTING SOIL STOCKPILES
F2
F4
D5
D6
D2
D8
D9
D10
E1
E2
E3
E4
E5
E6
E7
E8
E9
E10
F6
F7
F8
F9
F1
F3
F5
F
D
E
F10
D4
D3
D2
D1
SOIL SAMPLING LOCATIONS
SUN PRAIRIE
WASTEWATER TREATMENT FACILITY
RMT INC.
DWN. BY: WJB
APPROVED BY: MAW
DATE: JANUARY 1995
PROJ. # 3275_02
FILE # 32750202
$$DWG$$
$$PRF$$
$$SCALE$$

FIGURE 1

5

TABLE 3.03-2

GROUNDWATER SAMPLE ANALYTICAL RESULTS
SERVICE STATION AREA

LUST SITE INVESTIGATION

SUN PRAIRIE CITY HALL SITE
(Units are μg/L, unless otherwise noted)

Parameter	MW-1B	MW-2	MW-3	MW-3 Dup.	MW-3 Resample	ES	PAL
VOCs							
Ethylbenzene	6.6	2.9	4.1	<20	3.3	1,360	272
Isopropylbenzene	2.8	4.9	<1.0	<20	<1.0	--	--
Methylene Chloride	<1.0	1.9	<1.0	<20	<1.0	150	15
Naphthalene	3.2	<1.0	3.4	<20	<1.0	40	8
N-Propyl Benzene	<1.0	7.9	<1.0	<20	<1.0	--	--
Tetrachloroethene	<2.0	5.5	<2.0	<40	<2.0	1	0.1
Toluene	11	<1.0	<1.0	900	<1.0	343	68.6
Trichloroethene	<1.0	4.9	<1.0	<20	<1.0	5	0.18
1,2,4-Trimethyl Benzene	8.3	18	24	22	<1.0	--	--
1,3,5-Trimethyl Benzene	15	6.5	13	<20	<1.0	--	--
o-Xylene	5.2	<2.0	<2.0	<40	1.1	620	124
m & p Xylene	6.4	2.9	<2.0	<40	2.7	*	*
GRO, mg/L	6.1	2.9	7.1	5.6	NA	--	--
Lead	7.3	150	56	45	NA	50	5
PAHs							
Acenaphthylene	NA	8.40	NA	NA	NA	--	--

-- = Indicates no groundwater standards exist for this compound.
* = All xylenes are combined.
NA = Not analyzed.

Note: 900 μg/L toluene value in MW-3 (dup) is believed erroneous.

ES Exceeded

MW-1B, MW-2, MW-3 Dup. - Sample Date January 2, 1992
MW-3 Resample - Sample Date February 26, 1992

TABLE 3.03-3

GROUNDWATER SAMPLE ANALYTICAL RESULTS
DRY CLEANER AREA

LUST SITE INVESTIGATION

SUN PRAIRIE CITY HALL SITE
(Units are μg/L)

	Parameter		
Well	Tetrachloroethene	Toluene	1,1,1-Trichloroethane
TMW-1	10,000	<250	<250
TMW-2	2,400	580	<50
TMW-3	6,300	<250	<250
TMW-4	<2.0	<1.0	<1.0
TMW-5	<2.0	<1.0	<1.0
TMW-6	<2.0	<1.0	<1.0
TMW-6Dup	<2.0	<1.0	<1.0
TMW-7	3.4	<1.0	2.0
P-1(S)	7,600	<250	<250
P-1(D)	11	<1.0	<1.0
P-1(D)Dup	11	<1.0	<1.0
ES	1	343	200
PAL	0.10	68.6	40

ES exceeded

Sample Date - February 26, 1992

TABLE 2

MONITORING WELL GROUNDWATER LABORATORY RESULTS (µg/L)
MONITORING ROUNDS 1, 2, AND 3
CITY OF SUN PRAIRIE

Constituent	MW-1		MW-1A			MW-2		MW-2A		MW-3		MW-3A		MW-6		MW-6A		MW-7		MW-8		ES	PAL
Sampling Round[1]	1	2	1	2	3	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2		
Benzene	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	1.0	1.1	5.3	< 0.6	0.5	5.0
n-Butylbenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	4.7	8.0	1.2	< 1.0	NS	NS
sec-Butylbenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	5.6	9.1	< 1.0	< 1.0	NS	NS
cis-1,2-Dichloroethene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	17	19	7.9	9.5	< 1.0	< 1.0	< 1.0	< 1.0	14	16	23	2.6	7.0	70
Ethylbenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	12	14	15	< 1.0	140	700
Isopropylbenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	10	16	7.6	< 1.0	NS	NS
p-Isopropyltoluene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	16	< 1.0	< 1.0	< 1.0	NS	NS
Naphthalene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.2	1.9	10	< 1.0	8	40
n-Propylbenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	7.7	19	5.8	< 1.0	NS	NS
Tetrachloroethene	< 1.0	< 1.0	2.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	48	56	140	150	6.9	5.4	7.8	6.1	< 1.0	1.7	8.3	2.5	0.5	5.0
Toluene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.9	3.9	29	1.3	68.6	343
Trichloroethene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	7.4	8.5	2.5	3.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.5	5.0
1,2,4-Trimethylbenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	4.1	49	48	4.7	NS	NS
1,3,5-Trimethylbenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	10	6.8	< 1.0	< 1.0	NS	NS
Vinyl chloride	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	8.3	7.4	4.2	1.7	0.02	0.2
Total xylenes	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	8.6	12.9	63	2.1	124	620

NOTES:

[1] Monitoring rounds occurred on the following dates for al wells except: Round 1 on December 5 and 6, 1995; Round 2 on December 19 and 20, 1995; and Round 3 (MW-1A only) on January 8, 1996. Monitoring well MW-8 was installed on January 17, 1996. Rounds 1 and 2 for MW-8 took place on January 17 and 25, 1996, respectively.

NS No standard.

Table 1
Groundwater Monitoring Results - RW-1
City of Sun Prairie

MONITORING ROUND		Natural Atten. (initial)	Quarterly B List	Natural Atten.	Injection #1	Natural Atten.	Quarterly A List & NA	NA Para.	NA Para.	Quarterly B List & NA	NA Para.	Quarterly B List & NA	Injection #2	Field Parameters and VOCs	Quarterly Field Para., VOCs, and NA	Field Parameters	Quarterly Field Para., VOCs, and NA
SAMPLE DATE					8/13-								10/26-				
PARAMETER	UNITS	5/22/1997	6/24/1997	7/25/1997	9/3/1997	9/9/1997	9/25/1997	10/23/1997	11/21/1997	12/29/1997	2/5/1998	3/19/1998	11/14/1998	11/25/1998	1/14/1999	2/23/1999	4/9/1999
Field Measurements																	
Water level	feet M.S.L.	938.57	938.49	939.00		938.42	938.15	937.39	936.98	936.66	936.65	938.08		938.01	937.03	938.04	938.32
pH	pH	7.21	--	7.11		7.24	7.42	7.32	7.11	7.04	6.97	6.52		6.7	6.83	7.15	7.05
Conductivity	µmhos/cm @ 25°C	1865	--	2100		845	935	1630	1810	2120	2090	1970		918	1650	1700	1630
Temperature	°C	17.2	--	17.8		16.0	17.5	17.7	17.5	17.0	16.5	16.5		18.6	17.1	15.8	17.5
ORP	mV	--	--	--		--	--	--	--	--	--	--		8	36	-17.1	100.8
Oxygen, dissolved	mg/L	5	--	3.40		0.73	0.80	0.21	0.19	0.53	0.93	2.78		1.00	0.80	0.80	0.60
Inorganics																	
Nitrogen, nitrate	mg/L	12	--	18		0.49	0.25	0.99	3.8	6.9	10	7.9		--	< 0.090	--	5.1
Sulfate	mg/L	60	--	89		20	23	50	62	90	73	76		--	65	--	84
Iron, total (ferric + ferrous)[1]	mg/L	--	--	44Q		48Q	5600	19Q	<17	160	<39	430		0	8730	--	<83
Iron, dissolved (ferrous)[1]	mg/L	--	--	<35		<35	<35	<17	<17	27Q	<39	18Q		--	80Q	--	<43
Chloride	mg/L	--	--	440		45	100	310	390	440	430	410		--	--	--	--
Bicarbonate alkalinity[2]	mg/L	--	--	--		350	330	330	350	350	350	360		--	--	--	--
Carbonate alkalinity[2]	mg/L	--	--	--		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		--	--	--	--
Total alkalinity[2]	mg/L	--	--	--		350	330	330	350	350	350	360		--	--	--	--
Solids, total dissolved[2]	mg/L	--	--	1400		480	540	960	1100	1200	1200	1200		--	--	--	--
Carbon dioxide	mg/L	--	--	48		45	25	30	55	60	60	220		--	--	--	--
Microbial Products																	
Methane	mg/L	--	--	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0	--	--		--	--	--	--
Ethane	mg/L	--	--	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	--	--		--	--	--	--
Ethene	mg/L	--	--	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	--	--		--	--	--	--
Volatile Organic Compounds																	
Tetrachloroethene	µg/L	--	530	480		390	330	270	240	300	320	440		200D	220D	--	240
Trichloroethene	µg/L	--	<1.9	0.91Q		7.5	11	7.0	3.4Q	2.2Q	1.7	2.1Q		1.1Q	2.6	--	1.4Q
cis-1,2-Dichloroethene	µg/L	--	<2.3	<0.47		1.0Q	<2.3	1.6	<2.3	<2.3	<0.47	<2.3		<0.46	1.1Q	--	<0.92

Notes:

-- = not available.

Q = the analyte was detected between the Limit of Detection (LOD) and the Limit of Quantitation (LOQ).

D = analyte value from diluted analysis.

(1) An anomalously high total iron value may be the result of the digestion of an unfiltered groundwater sample, in that some of the solids may contribute iron. High variability between the total iron values of the unfiltered samples may be due to the variability in solids content.

(2) The result of this parameter is used in determining the carbon dioxide content.

(3) Measurement was not reported owing to faulty equipment.

Prepared by: THC, 8/22/05

Checked by: NK, 8/25/05

Table 1 (continued)
Groundwater Monitoring Results - RW-1
City of Sun Prairie

MONITORING ROUND		Injection #3	Field Parameters and VOCs	Field Parameters & VOCs	Annual Field Para., VOCs, and NA	Field Parameters & VOCs	Quarterly Field Para., VOCs, and NA	Injection #4	Field Parameters and VOCs	Field Parameters and VOCs	Field Parameters and VOCs	Injection #5	Field Parameters and VOCs	Field Parameters and VOCs	Annual Field Para., VOCs, and NA	Annual Field Para. and VOCs	Annual Field Para. and VOCs	Annual Field Para. and VOCs	Annual Field Para. and VOCs	Annual Field Para. and VOCs
SAMPLE DATE		4/28-						10/25-				4/19-								
PARAMETER	UNITS	5/30/1999	5/28/1999	6/17/1999	7/27/1999	8/31/1999	10/15/1999	11/5/1999	11/24/1999	12/23/1999	4/12/2000	4/29/2000	5/22/2000	6/12/2000	8/4/2000	7/31/2001	7/30/2002	7/21/2003	7/28/2004	7/29/2005
Field Measurements																				
Water level	feet M.S.L.		939.68	939.44	939.12	938.42	937.61		936.94	936.57	936.90		938.74	941.03	938.87	938.35	937.78	937.10	938.30	936.94
pH	pH		7	6.78	7.12	6.88	6.91		7.49	6.68	6.92		6.99	6.99	7.08	6.95	6.70	7.12	6.29	7.04
Conductivity	µmhos/cm @ 25°C		2425	2520	1850	1940	1210		980	1530	1570		1820	1804	2660	2550	2440	2240	2400	2600
Temperature	°C		18.0	18.3	18.5	18.4	18.1		18.0	17.0	17.1		--	17.4	19.6	18.0	18.2	18.7	19.2	20.9
ORP	mV		195.1	--	4.7	170.4	--		--	119.7	222		174.1	206	179	--(3)	209.0	290	246	95
Oxygen, dissolved	mg/L		--(3)	1.0	0.8	0.8	0.8		0.60	0.60	2.00		>1.0	2.00	1.00	2.0	4.0	3.0	2.0	2.0
Inorganics																				
Nitrogen, nitrate	mg/L		--	--	3.1	--	--		--	--	--		--	--	5.9	--	--	--	--	--
Sulfate	mg/L		--	--	82	--	--		--	--	--		--	--	72	--	--	--	--	--
Iron, total (ferric + ferrous)(1)	mg/L		--	400	3600	--	--		--	--	--		--	--	7000	--	--	--	--	--
Iron, dissolved (ferrous)(1)	mg/L		--	--	<25	--	--		--	--	--		--	--	100	--	--	--	--	--
Chloride	mg/L		--	--	--	--	--		--	--	--		--	--	--	--	--	--	--	--
Bicarbonate alkalinity(2)	mg/L		--	--	--	--	--		--	--	--		--	--	--	--	--	--	--	--
Carbonate alkalinity(2)	mg/L		--	--	--	--	--		--	--	--		--	--	--	--	--	--	--	--
Total alkalinity(2)	mg/L		--	--	--	--	--		--	--	--		--	--	--	--	--	--	--	--
Solids, total dissolved(2)	mg/L		--	--	--	--	--		--	--	--		--	--	--	--	--	--	--	--
Carbon dioxide	mg/L		--	--	--	--	--		--	--	--		--	--	--	--	--	--	--	--
Microbial Products																				
Methane	mg/L		--	--	--	--	--		--	--	--		--	--	--	--	--	--	--	--
Ethane	mg/L		--	--	--	--	--		--	--	--		--	--	--	--	--	--	--	--
Ethene	mg/L		--	--	--	--	--		--	--	--		--	--	--	--	--	--	--	--
Volatile Organic Compounds																				
Tetrachloroethene	µg/L		330	260D	240	210	170		150	140	230D		180D	200D	220	180	120	330	200	160
Trichloroethene	µg/L		<0.98	0.74Q	1.5Q	2.5	1.3		1.8	1.3Q	1.5Q		1.1Q	<0.49	<0.98	<0.98	<0.89	0.98Q	<0.96	<0.48
cis-1,2-Dichloroethene	µg/L		<0.92	< 0.46	2.9	1.6	<0.46		<0.46	<0.46	<0.46		<0.46	<0.46	<0.92	<0.92	<0.73	< 1.7	< 1.7	<0.83

Notes:

-- = not available.

Q = the analyte was detected between the Limit of Detection (LOD) and the Limit of Quantitation (LOQ).

D = analyte value from diluted analysis.

(1) An anomalously high total iron value may be the result of the digestion of an unfiltered groundwater sample, in that some of the solids may contribute iron. High variability between the total iron values of the unfiltered samples may be due to the variability in solids content.

(2) The result of this parameter is used in determining the carbon dioxide content.

(3) Measurement was not reported owing to faulty equipment.

Prepared by: THC, 8/22/05
Checked by: NK, 8/25/05

Table 2
Groundwater Monitoring Results - MW-3
City of Sun Prairie

MONITORING ROUND		Natural Atten. (initial)	Quarterly B List	Natural Atten.	Natural Atten.	Quarterly A List and NA	NA Para.	NA Para.	Quarterly B List and NA	NA Para.	Quarterly B List and NA	Annual Field Para., VOCs, and NA	Annual Field Para., VOCs, and NA	Annual Field Para. and VOCs	Annual Field Para. and VOCs	Annual Field Para. and VOCs	Annual Field Para. and VOCs	Annual Field Para. and VOCs
SAMPLE DATE																		
PARAMETER	UNITS	5/22/1997	6/24/1997	7/25/1997	9/9/1997	9/25/1997	10/23/1997	11/21/1997	12/29/1997	2/5/1998	3/19/1998	7/27/1999	8/4/2000	7/31/2001	7/30/2002	7/21/2003	7/28/2004	7/29/2005
Field Measurements																		
Water level	feet M.S.L.	--	935.94	--	--	935.73	--	--	934.47	--	935.86	936.37	936.01	935.64	935.27	934.92	935.75	NM
pH	pH	--	--	--	--	7.33	--	--	--	--	--	6.8	6.86	6.67	6.69	7.02	6.89	NS
Conductivity	µmhos/cm @ 25°C	--	--	--	--	2960	--	--	--	--	--	2100	3110	3220	3330	3750	2350	NS
Temperature	°C	--	--			12.5	--	--	--	--	--	25.9	16.6	16.0	18.7	15.8	15.2	NS
ORP	mV	--	--	--	--	--	--	--	--	--	--	--	202	--(3)	126	120	185	NS
Oxygen, dissolved	mg/L	--	--	--	--	0.24	--	--	--	--	--	0.40	0.40	0.30	0.30	0.10	0.6	NS
Inorganics																		
Nitrogen, nitrate	mg/L	--	--	--	--	0.39	--	--	--	--	--	1.1	0.98	--	--	--	--	--
Sulfate	mg/L	--	--	--	--	17	--	--	--	--	--	23	16	--	--	--	--	--
Iron, total (ferric + ferrous)(1)	mg/L	--	--	--	--	47,000	--	--	--	--	--	13000	2000	--	--	--	--	--
Iron, dissolved (ferrous)(1)	mg/L	--	--	--	--	<35	--	--	--	--	--	66Q	0	--	--	--	--	--
Chloride	mg/L	--	--	--	--	450	--	--	--	--	--	--	--	--	--	--	--	--
Bicarbonate alkalinity(2)	mg/L	--	--	--	--	570	--	--	--	--	--	--	--	--	--	--	--	--
Carbonate alkalinity(2)	mg/L	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
Total alkalinity(2)	mg/L	--	--	--	--	570	--	--	--	--	--	--	--	--	--	--	--	--
Solids, total dissolved(2)	mg/L	--	--	--	--	1600	--	--	--	--	--	--	--	--	--	--	--	--
Carbon dioxide	mg/L	--	--	--	--	50	--	--	--	--	--	--	--	--	--	--	--	--
Microbial Products																		
Methane	mg/L	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
Ethane	mg/L	--	--	--	--	<0.5	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	mg/L	--	--	--	--	<0.5	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																		
Tetrachloroethene	µg/L	--	24	--	--	22	--	--	18	--	10	20	12	11	8.3	8.6	8.1	NS
Trichloroethene	µg/L	--	3.8	--	--	4.4	--	--	4.1	--	2.5	3.1	2.4	2.2	2.0	1.8	1.5 Q	NS
cis-1,2-Dichloroethene	µg/L	--	8.7	--	--	8.7	--	--	10	--	4.9	7.1	6.7	5.9	5.3	4.1	3.1	NS

Notes:

-- = not available.

Q = the analyte was detected between the Limit of Detection (LOD) and the Limit of Quantitation (LOQ).

(1) An anomalously high total iron value may be the result of the digestion of an unfiltered groundwater sample, in that some of the solids may contribute iron. High variability between the total iron values of the unfiltered samples may be due to the variability in solids content.

(2) The result of this parameter is used in determining the carbon dioxide content.

(3) Measurement was not reported owing to faulty equipment.

NS = not sampled; well was found to be damaged on July 29, 2005, and could not be sampled.

NM = not measured.

Prepared by: THC, 8/22/05
Checked by: NK, 8/25/05

Table 3
Groundwater Monitoring Results - MW-3A
City of Sun Prairie

MONITORING ROUND		Natural Atten. (initial)	Quarterly B List	Natural Atten.	Natural Atten.	Quarterly A List and NA	NA Para.	NA Para.	Quarterly B List and NA	NA Para.	Quarterly B List and NA	Annual Field Para., VOCs, and NA	Annual Field Para., VOCs, and NA	Annual Field Para. and VOCs	Annual Field Para. and VOCs	Annual Field Para. and VOCs	Annual Field Para. and VOCs	Annual Field Para. and VOCs
SAMPLE DATE																		
PARAMETER	UNITS	5/22/1997	6/24/1997	7/25/1997	9/9/1997	9/25/1997	10/23/1997	11/21/1997	12/29/1997	2/5/1998	3/19/1998	7/27/1999	8/4/2000	7/31/2001	7/30/2002	7/21/2003	7/28/2004	7/29/2005
Field Measurements																		
Water level	feet M.S.L.	--	921.95	--	--	921.29	--	--	921.15	--	922.27	924.34	924.31	923.65	923.13	919.78	923.66	919.80
pH	pH	--	--	--	--	7.54	--	--	--	--	--	7.11	7.27	7.04	7.10	7.17	7.16	7.03
Conductivity	µmhos/cm @ 25°C	--	--	--	--	1160	--	--	--	--	--	800	1057	1058	1046	1073	1037	1052
Temperature	°C	--	--			11.0	--	--	--	--	--	17.0	17.1	15.7	13.5	14.9	16.3	13.9
ORP	mV	--	--	--	--	--	--	--	--	--	--	--	230	--(3)	316	305	223	280
Oxygen, dissolved	mg/L	--	--	--	--	4.55	--	--	--	--	--	0.60	2.00	2.00	3.00	2.0	1.0	3.0
Inorganics																		
Nitrogen, nitrate	mg/L	--	--	--	--	5.6	--	--	--	--	--	6.2	6.7	--	--	--	--	--
Sulfate	mg/L	--	--	--	--	43	--	--	--	--	--	46	36	--	--	--	--	--
Iron, total (ferric + ferrous)(1)	mg/L	--	--	--	--	<35	--	--	--	--	--	60	0	--	--	--	--	--
Iron, dissolved (ferrous)(1)	mg/L	--	--	--	--	<35	--	--	--	--	--	<25	0	--	--	--	--	--
Chloride	mg/L	--	--	--	--	98	--	--	--	--	--	--	--	--	--	--	--	--
Bicarbonate alkalinity(2)	mg/L	--	--	--	--	340	--	--	--	--	--	--	--	--	--	--	--	--
Carbonate alkalinity(2)	mg/L	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
Total alkalinity(2)	mg/L	--	--	--	--	340	--	--	--	--	--	--	--	--	--	--	--	--
Solids, total dissolved(2)	mg/L	--	--	--	--	590	--	--	--	--	--	--	--	--	--	--	--	--
Carbon dioxide	mg/L	--	--	--	--	20	--	--	--	--	--	--	--	--	--	--	--	--
Microbial Products																		
Methane	mg/L	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
Ethane	mg/L	--	--	--	--	<0.5	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	mg/L	--	--	--	--	<0.5	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds (4)																		
Tetrachloroethene	µg/L	--	90	--	--	97	--	--	90	--	90	89	59	75	65	76	60	55
Trichloroethene	µg/L	--	1.8	--	--	2.1	--	--	2.3	--	2.0	1.7	1.4Q	1.5Q	1.5Q	1.3Q	0.91 Q	1.2 Q
cis-1,2-Dichloroethene	µg/L	--	6.8	--	--	5.9	--	--	7.4	--	6.0	4.8	4.5	4.0	4.0	3.5	2.3 Q	2.4 Q

Prepared by: THC, 8/22/05
Checked by: NK, 8/25/05

Notes:

-- = not available.

Q = the analyte was detected between the Limit of Detection (LOD) and the Limit of Quantitation (LOQ).

(1) An anomalously high total iron value may be the result of the digestion of an unfiltered groundwater sample, in that some of the solids may contribute iron. High variability between the total iron values of the unfiltered samples may be due to the variability in solids content.

(2) The result of this parameter is used in determining the carbon dioxide content.

(3) Measurement was not reported owing to faulty equipment.

(4) Methyl-tert-butyl-ether (MTBE) has historically been detected in this well at levels below the Limit of Quantitation. This MTBE is not associated with the City Hall site.

Table 4
Groundwater Monitoring Results - MW-4
City of Sun Prairie

MONITORING ROUND		Natural Atten. (initial)	Quarterly B List	Natural Atten.	Injection #1	Natural Atten.	Quarterly A List and NA	NA Para.	NA Para.	Quarterly B List and NA	NA Para.	Quarterly B List and NA	Injection #2	Field Parameters and VOCs	Quarterly Field Para., VOCs, and NA	Field Parameters	Quarterly Field Para., VOCs, and NA
SAMPLE DATE																	
PARAMETER	UNITS	5/22/1997	6/24/1997	7/25/1997	8/13-9/3/1997	9/9/1997	9/25/1997	10/23/1997	11/21/1997	12/29/1997	2/5/1998	3/19/1998	10/26-11/14/1998	11/25/1998	1/14/1999	2/23/1999	4/9/1999
Field Measurements																	
Water level	feet M.S.L.	938.71	938.52	--		--	938.23	--	937.07	936.68	--	938.10		938.10	937.13	938.13	938.35
pH	pH	7.14	--	--		--	7.19	--	--	--	--	--		6.6	6.68	6.99	6.78
Conductivity	µmhos/cm @ 25°C	2230	--	--		--	1890	--	--	--	--	--		1940	1950	1800	1280
Temperature	°C	17.3	--				16.9	--	--	--	15.5	--		17.1	16.9	16.3	17.7
ORP	mV	--	--	--		--	--	--	--	--	--	--		-30	-101	-49.6	-24.7
Oxygen, dissolved	mg/L	5-6	--	--		--	0.60	--	0.33	2.89	0.29	0.27		1.00	0.50	0.60	0.80
Inorganics																	
Nitrogen, nitrate	mg/L	14	--	--		--	1.8	--	--	--	--	--		--	--	--	--
Sulfate	mg/L	61	--	--		--	28	--	--	--	--	--		--	--	--	--
Iron, total (ferric + ferrous)[1]	mg/L	--	--	--		--	8400[3]	--	--	--	--	--		10000	--	--	--
Iron, dissolved (ferrous)[1]	mg/L	--	--	--		--	6200[3]	--	--	--	--	--		--	--	--	--
Chloride	mg/L	--	--	--		--	260	--	--	--	--	--		--	--	--	--
Bicarbonate alkalinity[2]	mg/L	--	--	--		--	430	--	--	--	--	--		--	--	--	--
Carbonate alkalinity[2]	mg/L	--	--	--		--	<1.0	--	--	--	--	--		--	--	--	--
Total alkalinity[2]	mg/L	--	--	--		--	430	--	--	--	--	--		--	--	--	--
Solids, total dissolved[2]	mg/L	--	--	--		--	1000	--	--	--	--	--		--	--	--	--
Carbon dioxide	mg/L	--	--	--		--	55	--	--	--	--	--		--	--	--	--
Microbial Products																	
Methane	mg/L	--	--	--		--	8.3	--	--	--	--	--		--	--	--	--
Ethane	mg/L	--	--	--		--	<0.5	--	--	--	--	--		--	--	--	--
Ethene	mg/L	--	--	--		--	<0.5	--	--	--	--	--		--	--	--	--
Volatile Organic Compounds																	
Tetrachloroethene	µg/L	--	100	--		--	15	--	--	7.3	--	69		--	--	--	--
Trichloroethene	µg/L	--	<0.38	--		--	0.39Q	--	--	0.38Q	--	0.62Q		--	--	--	--
cis-1,2-Dichloroethene	µg/L	--	<0.47	--		--	<0.47	--	--	9.9	--	2.8		--	--	--	--

Notes:

-- = not available.

Q = the analyte was detected between the Limit of Detection (LOD) and the Limit of Quantitation (LOQ).

(1) An anomalously high total iron value may be the result of the digestion of an unfiltered groundwater sample, in that some of the solids may contribute iron. High variability between the total iron values of the unfiltered samples may be due to the variability in solids content.

(2) The result of this parameter is used in determining the carbon dioxide content.

(3) Measurement was not reported owing to faulty equipment.

Prepared by: THC, 8/22/05
Checked by: NK, 8/25/05

Table 4 (continued)
Groundwater Monitoring Results - MW-4
City of Sun Prairie

MONITORING ROUND		Injection #3	Field Parameters and VOCs	Field Parameters and VOCs	Annual Field Para., VOCs, and NA	Field Parameters and VOCs	Quarterly Field Para., VOCs, and NA	Injection #4	Field Parameters and VOCs	Field Parameters and VOCs	Field Parameters and VOCs	Injection #5	Field Parameters and VOCs	Field Parameters and VOCs	Annual Field Para., VOCs, and NA	Annual Field Para. and VOCs	Annual Field Para. and VOCs	Annual Field Para. and VOCs	Annual Field Para. and VOCs	Annual Field Para. and VOCs
SAMPLE DATE		4/28-						10/25-				4/19-								
PARAMETER	UNITS	5/30/1999	5/28/1999	6/17/1999	7/27/1999	8/31/1999	10/15/1999	11/5/1999	11/24/1999	12/23/1999	4/12/2000	4/29/2000	5/22/2000	6/12/2000	8/4/2000	7/31/2001	7/30/2002	7/21/2003	7/28/2004	7/25/2005
Field Measurements																				
Water level	feet M.S.L.		939.82	939.58	939.25	938.53	937.71		937.22	936.69	937.01		939.00	941.03	938.93	938.41	937.83	937.26	938.45	937.08
pH	pH		6.76	6.79	6.98	6.89	6.85		6.85	6.18	6.47		6.45	6.9	7.02	6.88	7.12	7.09	7.3	6.98
Conductivity	µmhos/cm @ 25°C		2570	2170	170	2010	1870		1310	1180	1235		1743	2340	2580	2590	2450	2770	2340	3020
Temperature	°C		17.5	18.4	18.2	18.2	17.5		16.5	17.0	17.3		17.4	18.0	19.1	18.3	17.6	19.1	18.1	19.1
ORP	mV		-100.3	--	-54.10	-91.90	--		--	13.10	20.00		-10.00	-99.00	-81.00	--(3)	-8.00	-3.00	179.00	84.00
Oxygen, dissolved	mg/L		--(3)	0.30	0.1	0.6	0.4		0.20	0.40	1.50		0.30	0.30	0.40	0.20	0.60	0.40	1.0	2.0
Inorganics																				
Nitrogen, nitrate	mg/L		--	--	--	--	--		--	--	--		--	--	1.4	--	--	--	--	--
Sulfate	mg/L		--	--	--	--	--		--	--	--		--	--	48	--	--	--	--	--
Iron, total (ferric + ferrous)(1)	mg/L		--	9000	--	--	6000		--	--	--		--	--	10000	--	--	--	--	--
Iron, dissolved (ferrous)(1)	mg/L		--	--	--	--	--		--	--	--		--	--	10000	--	--	--	--	--
Chloride	mg/L		--	--	--	--	--		--	--	--		--	--	--	--	--	--	--	--
Bicarbonate alkalinity(2)	mg/L		--	--	--	--	--		--	--	--		--	--	--	--	--	--	--	--
Carbonate alkalinity(2)	mg/L		--	--	--	--	--		--	--	--		--	--	--	--	--	--	--	--
Total alkalinity(2)	mg/L		--	--	--	--	--		--	--	--		--	--	--	--	--	--	--	--
Solids, total dissolved(2)	mg/L		--	--	--	--	--		--	--	--		--	--	--	--	--	--	--	--
Carbon dioxide	mg/L		--	--	--	--	--		--	--	--		--	--	--	--	--	--	--	--
Microbial Products																				
Methane	mg/L		--	--	--	--	--		--	--	--		--	--	--	--	--	--	--	--
Ethane	mg/L		--	--	--	--	--		--	--	--		--	--	--	--	--	--	--	--
Ethene	mg/L		--	--	--	--	--		--	--	--		--	--	--	--	--	--	--	--
Volatile Organic Compounds																				
Tetrachloroethene	µg/L		--	--	--	--	--		--	--	34		--	18	15	54	34	37	25	11
Trichloroethene	µg/L		--	--	--	--	--		--	--	5.2		--	<2.4	2	1.4Q	1.4Q	3.9	0.51 Q	<0.48
cis-1,2-Dichloroethene	µg/L		--	--	--	--	--		--	--	28		--	34	28	4.5	1.5Q	< 0.83	< 0.83	<0.83

Notes:

-- = not available.

Q = the analyte was detected between the Limit of Detection (LOD) and the Limit of Quantitation (LOQ).

(1) An anomalously high total iron value may be the result of the digestion of an unfiltered groundwater sample, in that some of the solids may contribute iron. High variability between the total iron values of the unfiltered samples may be due to the variability in solids content.

(2) The result of this parameter is used in determining the carbon dioxide content.

(3) Measurement was not reported owing to faulty equipment.

Prepared by: THC, 8/22/05
Checked by: NK, 8/25/05

Table 5
Groundwater Monitoring Results - MW-6
City of Sun Prairie

MONITORING ROUND		Natural Atten. (initial)	Quarterly B List	Natural Atten.	Natural Atten.	Quarterly A List and NA	NA Para.	NA Para.	Quarterly B List and NA	NA Para.	Quarterly B List and NA	Annual Field Para., VOCs, and NA	Annual Field Para., VOCs, and NA	Annual Field Para. and VOCs	Annual Field Para. and VOCs	Annual Field Para. and VOCs	Annual Field Para. and VOCs	Annual Field Para. and VOCs
SAMPLE DATE																		
PARAMETER	UNITS	5/22/1997	6/24/1997	7/25/1997	9/9/1997	9/25/1997	10/23/1997	11/21/1997	12/29/1997	2/5/1998	3/19/1998	7/27/1999	8/4/2000	7/31/2001	7/30/2002	7/21/2003	7/28/2004	7/29/2005
Field Measurements																		
Water level	feet M.S.L.	--	928.97	--	--	928.90	--	--	928.27	--	929.12	928.95	928.57	928.57	928.41	928.40	928.60	928.44
pH	pH	--	--	--	--	7.38	--	--	--	--	--	6.78	6.98	6.75	7.05	7.14	6.86	6.86
Conductivity	µmhos/cm @ 25°C	--	--	--	--	1880	--	--	--	--	--	900	1184	1181	1577	1715	1687	1680
Temperature	°C	--	--	--	--	14.5	--	--	--	--	--	15.4	14.4	15.0	15.9	13.4	15.8	14.2
ORP	mV	--	--	--	--	--	--	--	--	--	--	--	285	--(3)	250	325	227	269
Oxygen, dissolved	mg/L	--	--	--	--	4.50	--	--	--	--	--	0.60	2.0	2.0	4.0	1.0	1.0	2.0
Inorganics																		
Nitrogen, nitrate	mg/L	--	--	--	--	2.5	--	--	--	--	--	1.3	1.9	--	--	--	--	--
Sulfate	mg/L	--	--	--	--	63	--	--	--	--	--	36	29	--	--	--	--	--
Iron, total (ferric + ferrous)(1)	mg/L	--	--	--	--	15,000	--	--	--	--	--	4100	2000	--	--	--	--	--
Iron, dissolved (ferrous)(1)	mg/L	--	--	--	--	<35	--	--	--	--	--	<25	100	--	--	--	--	--
Chloride	mg/L	--	--	--	--	310	--	--	--	--	--	--	--	--	--	--	--	--
Bicarbonate alkalinity(2)	mg/L	--	--	--	--	410	--	--	--	--	--	--	--	--	--	--	--	--
Carbonate alkalinity(2)	mg/L	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
Total alkalinity(2)	mg/L	--	--	--	--	410	--	--	--	--	--	--	--	--	--	--	--	--
Solids, total dissolved(2)	mg/L	--	--	--	--	1100	--	--	--	--	--	--	--	--	--	--	--	--
Carbon dioxide	mg/L	--	--	--	--	38	--	--	--	--	--	--	--	--	--	--	--	--
Microbial Products																		
Methane	mg/L	--	--	--	--	1.6	--	--	--	--	--	--	--	--	--	--	--	--
Ethane	mg/L	--	--	--	--	<0.5	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	mg/L	--	--	--	--	<0.5	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																		
Tetrachloroethene	µg/L	--	6.4	--	--	6.3	--	--	6.9	--	8.4	5.5	2.7	3.4	3.8	5.1	3.4	4.9
Trichloroethene	µg/L	--	<0.38	--	--	<0.38	--	--	<0.38	--	<0.38	<0.49	<0.49	<0.49	<0.89	<0.48	<0.48	<0.48
cis-1,2-Dichloroethene	µg/L	--	<0.47	--	--	<0.47	--	--	<0.47	--	<0.47	<0.46	<0.46	<0.46	<0.73	<0.83	<0.83	<0.83

Notes:

-- = not available.

Q = the analyte was detected between the Limit of Detection (LOD) and the Limit of Quantitation (LOQ).

(1) An anomalously high total iron value may be the result of the digestion of an unfiltered groundwater sample, in that some of the solids may contribute iron. High variability between the total iron values of the unfiltered samples may be due to the variability in solids content.

(2) The result of this parameter is used in determining the carbon dioxide content.

(3) Measurement was not reported owing to faulty equipment.

Prepared by: THC, 8/22/05

Checked by: NK, 8/25/05

Table 6
Groundwater Monitoring Results - MW-6A
City of Sun Prairie

MONITORING ROUND		Natural Atten. (initial)	Quarterly B List	Natural Atten.	Natural Atten.	Quarterly A List and NA	NA Para.	NA Para.	Quarterly B List and NA	NA Para.	Quarterly B List and NA	Annual Field Para., VOCs, and NA	Annual Field Para., VOCs, and NA	Annual Field Para. and VOCs	Annual Field Para. and VOCs	Annual Field Para. and VOCs	Annual Field Para. and VOCs	Annual Field Para. and VOCs
SAMPLE DATE																		
PARAMETER	UNITS	5/22/1997	6/24/1997	7/25/1997	9/9/1997	9/25/1997	10/23/1997	11/21/1997	12/29/1997	2/5/1998	3/19/1998	7/27/1999	8/4/2000	7/31/2001	7/30/2002	7/21/2003	7/28/2004	7/29/2005
Field Measurements																		
Water level	feet M.S.L.	--	894.67	--	--	890.38	--	--	896.38	--	898.19	895.87	893.82	893.55	894.35	891.28	893.12	890.84
pH	pH	--	--	--	--	7.73	--	--	--	--	--	6.98	7.4	7.22	7.43	7.41	7.21	7.24
Conductivity	µmhos/cm @ 25°C	--	--	--	--	630	--	--	--	--	--	480	646	636	638	640	619	621
Temperature	°C	--	--			12.5	--	--	--	--	--	14.5	11.7	13.6	11.2	11.1	12.8	11.9
ORP	mV	--	--	--	--	--	--	--	--	--	--	--	260	--(3)	260	261	217	265
Oxygen, dissolved	mg/L	--	--	--	--	1.98	--	--	--	--	--	0.60	1.0	3.0	2.0	0.8	1.0	1.0
Inorganics																		
Nitrogen, nitrate	mg/L	--	--	--	--	0.99	--	--	--	--	--	0.92	1.1	--	--	--	--	--
Sulfate	mg/L	--	--	--	--	12Q	--	--	--	--	--	14	12	--	--	--	--	--
Iron, total (ferric + ferrous)(1)	mg/L	--	--	--	--	<35	--	--	--	--	--	<14	0	--	--	--	--	--
Iron, dissolved (ferrous)(1)	mg/L	--	--	--	--	<35	--	--	--	--	--	<25	0	--	--	--	--	--
Chloride	mg/L	--	--	--	--	15	--	--	--	--	--	--	--	--	--	--	--	--
Bicarbonate alkalinity(2)	mg/L	--	--	--	--	320	--	--	--	--	--	--	--	--	--	--	--	--
Carbonate alkalinity(2)	mg/L	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
Total alkalinity(2)	mg/L	--	--	--	--	320	--	--	--	--	--	--	--	--	--	--	--	--
Solids, total dissolved(2)	mg/L	--	--	--	--	370	--	--	--	--	--	--	--	--	--	--	--	--
Carbon dioxide	mg/L	--	--	--	--	12	--	--	--	--	--	--	--	--	--	--	--	--
Microbial Products																		
Methane	mg/L	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
Ethane	mg/L	--	--	--	--	<0.5	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	mg/L	--	--	--	--	<0.5	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																		
Tetrachloroethene	µg/L	--	1.3Q	--	--	0.79Q	--	--	0.81Q	--	0.65Q	<0.41	1.1Q	<0.41	0.84Q	0.80Q	<0.45	<0.45
Trichloroethene	µg/L	--	<0.38	--	--	<0.38	--	--	<0.38	--	<0.38	<0.49	<0.49	<0.49	<0.89	<0.48	<0.48	<0.48
cis-1,2-Dichloroethene	µg/L	--	<0.47	--	--	<0.47	--	--	<0.47	--	<0.47	<0.46	<0.46	<0.46	<0.73	<0.83	<0.83	<0.83

Notes:

-- = not available.

Q = the analyte was detected between the Limit of Detection (LOD) and the Limit of Quantitation (LOQ).

(1) An anomalously high total iron value may be the result of the digestion of an unfiltered groundwater sample, in that some of the solids may contribute iron. High variability between the total iron values of the unfiltered samples may be due to the variability in solids content.

(2) The result of this parameter is used in determining the carbon dioxide content.

(3) Measurement was not reported owing to faulty equipment.

Prepared by: THC, 8/22/05
Checked by: NK, 8/25/05

Table 7
Groundwater Monitoring Results - MW-10
City of Sun Prairie

MONITORING ROUND		Natural Atten. (initial)	Quarterly B List	Natural Atten.	Injection #1	Natural Atten.	Quarterly A List and NA	NA Para.	NA Para.	Quarterly B List and NA	NA Para.	Quarterly B List and NA	Injection #2	Field Parameters and VOCs	Quarterly Field Para., VOCs, and NA	Field Parameters	Quarterly Field Para., VOCs, and NA
SAMPLE DATE					8/13-9/3/1997								10/26-11/14/1998				
PARAMETER	UNITS	5/22/1997	6/24/1997	7/25/1997		9/9/1997	9/25/1997	10/23/1997	11/21/1997	12/29/1997	2/5/1998	3/19/1998		11/25/1998	1/14/1999	2/23/1999	4/9/1999
Field Measurements																	
Water level	feet M.S.L.	--	--	938.64		938.18	937.92	937.16	936.76	936.44	936.46	937.92		937.76	936.86	937.78	938.46
pH	pH	--	--	7.23		7.01	7.28	7.20	6.94	7.26	7.12	6.66		6.8	6.87	7.25	7.14
Conductivity	µmhos/cm @ 25°C	--	--	4400		295	4940	4040	3540	3410	5050	6730		3950	3990	3500	3170
Temperature	°C	--	--	14.0		12.9	14.0	13.5	14.0	12.1	10.0	10.0		14.6	12.0	10.0	10.6
ORP	mV	--	--	--		--	--	--	--	--	--	--		39	202.8	192.1	210.0
Oxygen, dissolved	mg/L	--	--	5.50		6.53	6.70	3.90	4.96	1.81	7.08	9.85		6.0	1.0	1.50	1.00
Inorganics																	
Nitrogen, nitrate	mg/L	--	--	12		12	8.7	11	11	11	16	17		--	6.4	--	9.2
Sulfate	mg/L	--	--	74		65	68	39	36	68	54	70		--	65	--	130
Iron, total (ferric + ferrous)(1)	mg/L	--	--	230		220	180	59	42Q	290	260	350		0	8230	--	170
Iron, dissolved (ferrous)(1)	mg/L	--	--	<35		<35	<35	22Q	<17	140	<39	<17		--	110Q	--	<43
Chloride	mg/L	--	--	1200		1300	1100	980	1100	1000	1500	2000		--	--	--	--
Bicarbonate alkalinity(2)	mg/L	--	--	--		340	360	360	350	350	280	280		--	--	--	--
Carbonate alkalinity(2)	mg/L	--	--	--		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		--	--	--	--
Total alkalinity(2)	mg/L	--	--	--		340	360	360	350	350	280	280		--	--	--	--
Solids, total dissolved(2)	mg/L	--	--	2600		3000	3000	2500	2400	2200	3300	4600		--	--	--	--
Carbon dioxide	mg/L	--	--	40		60	30	40	70	40	50	120		--	--	--	--
Microbial Products																	
Methane	mg/L	--	--	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0	--	--		--	--	--	--
Ethane	mg/L	--	--	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	--	--		--	--	--	--
Ethene	mg/L	--	--	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	--	--		--	--	--	--
Volatile Organic Compounds																	
Tetrachloroethene	µg/L	--	--	1800		1400	1300	790	930	1600	280	510		690D	900D	--	790
Trichloroethene	µg/L	--	--	2.1		1.6	1.7	1.5	1.5	1.7	1.0Q	<2.4		3.3	3	--	2.5Q
cis-1,2-Dichloroethene	µg/L	--	--	1.7		1.1Q	0.75Q	0.76Q	1.4Q	1.4Q	0.60Q	<2.3		3.4	3.4	--	< 2.3

Notes:

Prepared by: THC, 8/22/05
Checked by: NK, 8/25/05

-- = not available.

Q = the analyte was detected between the Limit of Detection (LOD) and the Limit of Quantitation (LOQ).

D = analyte value from diluted analysis.

(1) An anomalously high total iron value may be the result of the digestion of an unfiltered groundwater sample, in that some of the solids may contribute iron. High variability between the total iron values of the unfiltered samples may be due to the variability in solids content.

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(3) Measurement was not reported owing to faulty equipment.

(4) The water table elevations for the 2001 and 2002 sampling rounds as originally reported in letter reports dated November 14, 2001, and January 21, 2003, were in error. Water table elevations were actually 8 feet higher than originally reported. The water table elevations shown here are based on the correct reference elevation.

(5) Sidewalk reconstruction in the area and a missing cap on MW-10 led to sediment accumulation in the well and a high level of turbidity, which prevented the measurement of dissolved oxygen. This well will be cleaned prior to the 2004 sampling round.

(6) Naphthalene was detected in MW-10 in July 2003 below the Limit of Quantitation. This naphthalene is not associated with the City Hall site.

Table 7 (continued)
Groundwater Monitoring Results - MW-10
City of Sun Prairie

MONITORING ROUND		Injection #3	Field Parameters and VOCs	Field Parameters and VOCs	Annual Field Para., VOCs, and NA	Field Parameters and VOCs	Quarterly Field Para., VOCs, and NA	Injection #4	Field Parameters and VOCs	Field Parameters and VOCs	Field Parameters and VOCs	Injection #5	Field Parameters and VOCs	Field Parameters and VOCs	Annual Field Para., VOCs, and NA	Annual Field Para. and VOCs[4]	Annual Field Para. and VOCs[4]	Annual Field Para. and VOCs	Annual Field Para. and VOCs	Annual Field Para. and VOCs
SAMPLE DATE		4/28-						10/25-				4/19-								
PARAMETER	UNITS	5/30/1999	5/28/1999	6/17/1999	7/27/1999	8/31/1999	10/15/1999	11/5/1999	11/24/1999	12/23/1999	4/12/2000	4/29/2000	5/22/2000	6/12/2000	8/4/2000	7/31/2001	7/30/2002	7/21/2003	7/28/2004	7/29/2005
Field Measurements																				
Water level	feet M.S.L.		939.44	939.18	938.87	938.17	937.35		936.75	936.37	936.39		938.66	940.88	938.54	938.09	937.57	937.04	938.14	936.85
pH	pH		6.94	6.98	7.01	6.89	6.99		7.54	6.93	7.01		6.98	7.3	7.23	6.80	7.37	7.10	7.26	7.16
Conductivity	µmhos/cm @ 25°C		3745	4180	3450	3900	3800		2890	2520	3330		3241	3230	5740	4330	3560	9010	7960	5750
Temperature	°C		16.0	15.8	16.3	18.3	15.3		14.3	12.1	12.9		15.7	12.5	16.1	16.5	18.5	14.2	16.4	15.1
ORP	mV		211.2	--	74.8	140.1	--		--	186.6	232		--	228	77	--[3]	235	60	215	202
Oxygen, dissolved	mg/L		--[3]	1.00	1.0	1.0	0.6		1.00	>1.0	3.00		>1.0	2.00	2.0	2.0	3.0	--[5]	1.0	2.0
Inorganics																				
Nitrogen, nitrate	mg/L		--	--	5.9	--	4.6		--	--	--		--	--	10	--	--	--	--	--
Sulfate	mg/L		--	--	66	--	54		--	--	--		--	--	69	--	--	--	--	--
Iron, total (ferric + ferrous)[1]	mg/L		--	100	4600	--	610		--	--	--		--	--	1000	--	--	--	--	--
Iron, dissolved (ferrous)[1]	mg/L		--	--	<25	--	<40		--	--	--		--	--	0	--	--	--	--	--
Chloride	mg/L		--	--	--	--	--		--	--	--		--	--	--	--	--	--	--	--
Bicarbonate alkalinity[2]	mg/L		--	--	--	--	--		--	--	--		--	--	--	--	--	--	--	--
Carbonate alkalinity[2]	mg/L		--	--	--	--	--		--	--	--		--	--	--	--	--	--	--	--
Total alkalinity[2]	mg/L		--	--	--	--	--		--	--	--		--	--	--	--	--	--	--	--
Solids, total dissolved[2]	mg/L		--	--	--	--	--		--	--	--		--	--	--	--	--	--	--	--
Carbon dioxide	mg/L		--	--	--	--	--		--	--	--		--	--	--	--	--	--	--	--
Microbial Products																				
Methane	mg/L		--	--	--	--	--		--	--	--		--	--	--	--	--	--	--	--
Ethane	mg/L		--	--	--	--	--		--	--	--		--	--	--	--	--	--	--	--
Ethene	mg/L		--	--	--	--	--		--	--	--		--	--	--	--	--	--	--	--
Volatile Organic Compounds [6]																				
Tetrachloroethene	µg/L		430	570D	690	650	700		860D	750D	800D		640	180	310D	420	470	470	260	450
Trichloroethene	µg/L		<2.4	2.1	<2.4	2.3	<2.4		2.4	<2.4	2.4		<2.4	<0.49	1.5Q	<2.4	<4.5	<2.4	<1.2	<2.4
cis-1,2-Dichloroethene	µg/L		<2.3	1.3Q	<2.3	1.9	<2.3		3.4	5Q	3.7		<2.3	<0.46	1.4Q	<2.3	<3.6	<4.2	<2.1	<4.1

Notes:

-- = not available.

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Prepared by: THC, 8/22/05
Checked by: NK, 8/25/05

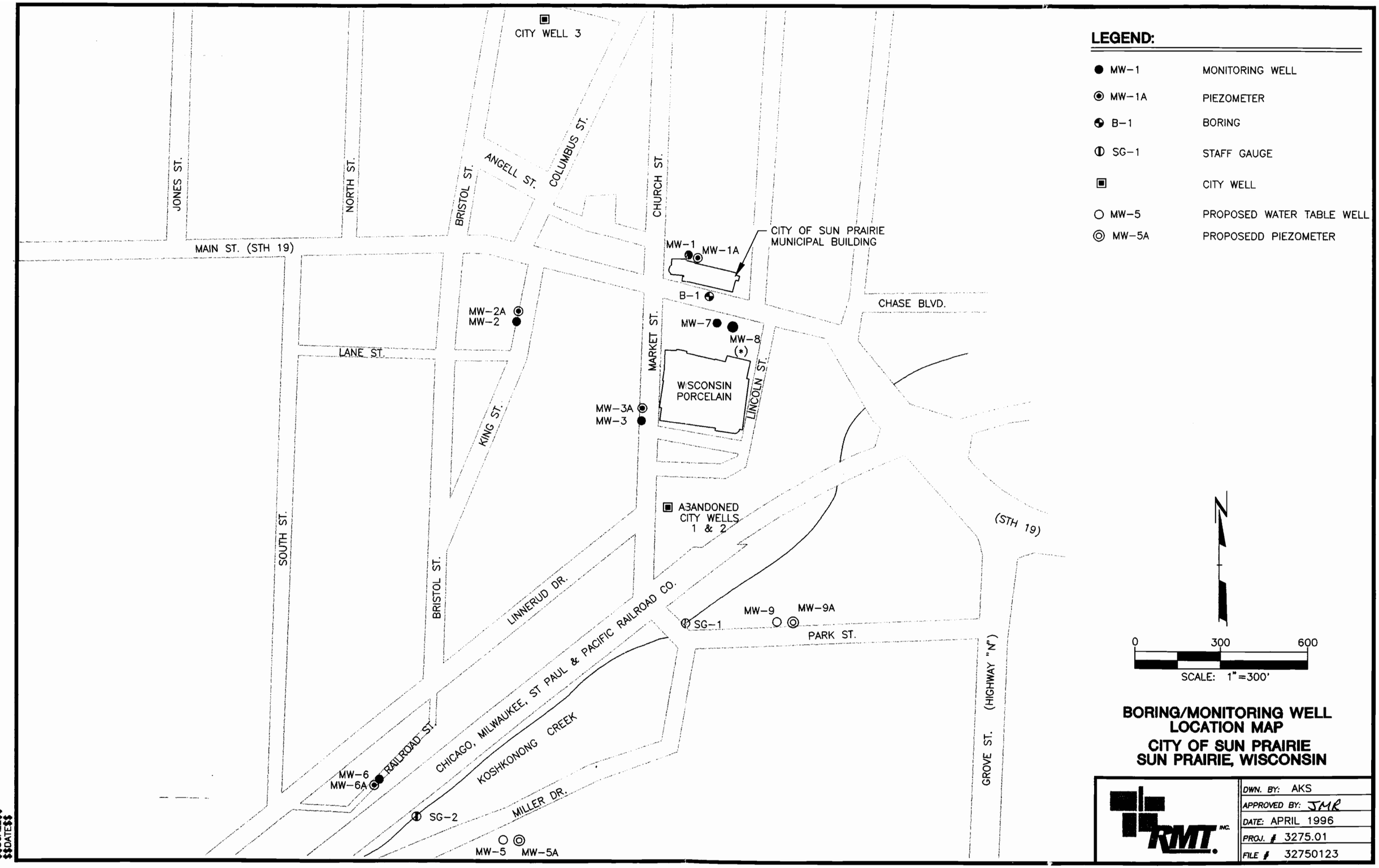
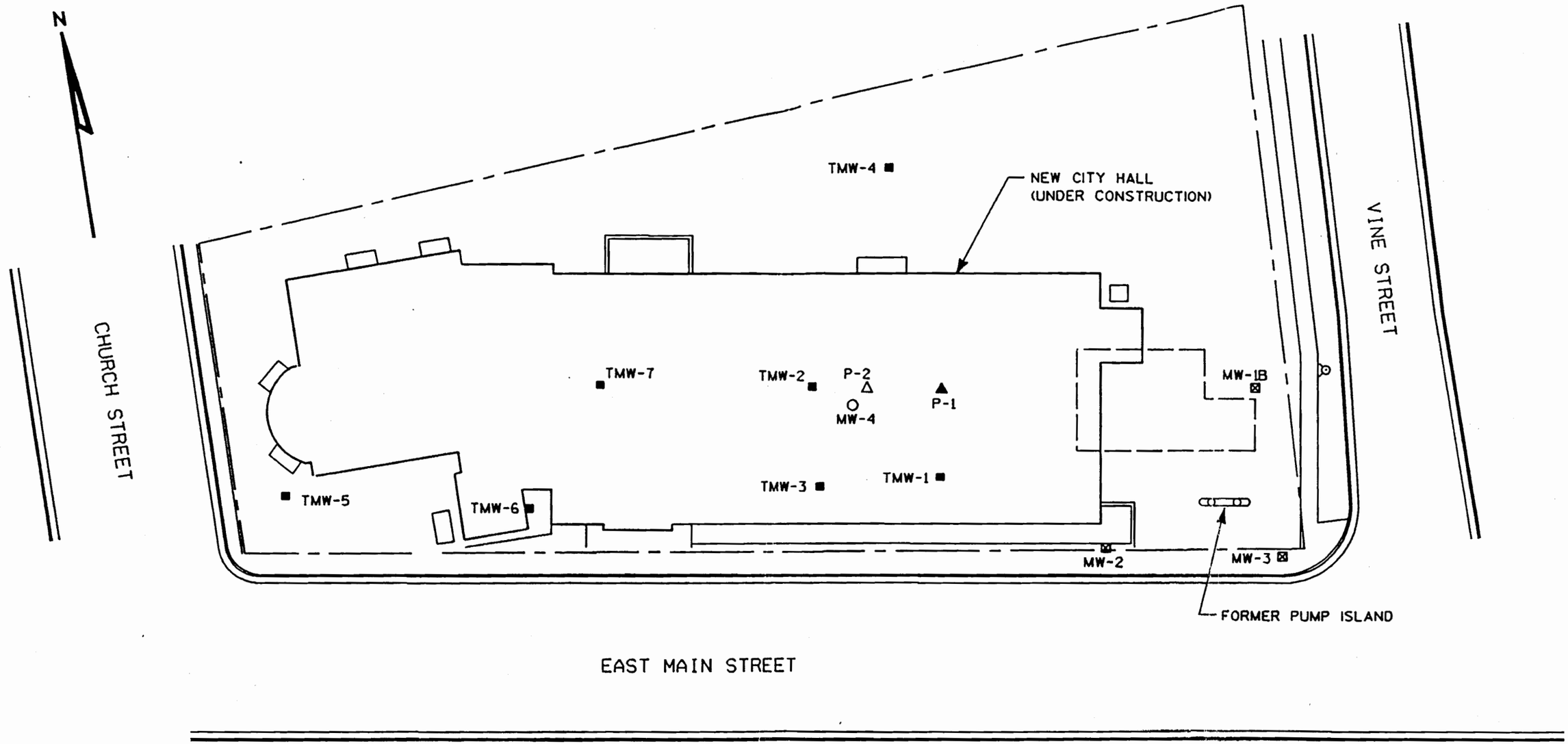


FIGURE 2

$$PRF$$
$$SCALE$$
$$DATE$$



LEGEND

- ⊠ MONITORING WELL, JAN. 1992.
- ■ TEMPORARY MONITORING WELL, FEB AND MAY 1992
- ▲ PIEZOMETER, FEB. 1992
- — - — PROPERTY LINE
- FIRE HYDRANT

MONITORING WELL NEST (INSTALLED AUGUST 1992)

- ○ WELL
- △ PIEZOMETER

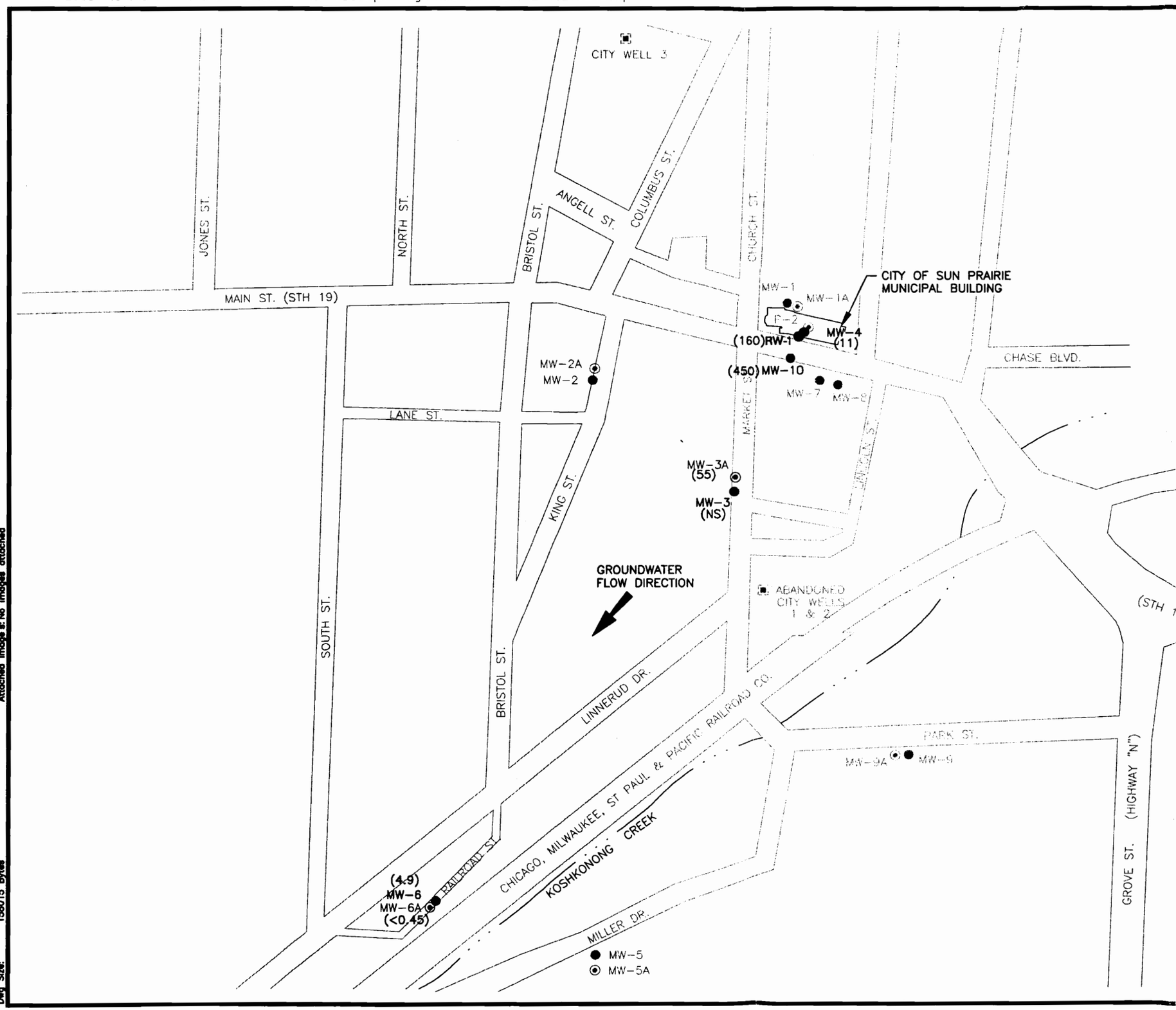
SCALE 1"=30'

SUN PRAIRIE CITY HALL SITE

STRAND ASSOCIATES, INC. ENGINEERS

FIGURE 5.01-1
MONITORING WELL NEST LOCATION

DRAWING NO. 41-921-27B



LEGEND

● MW-1	WATER TABLE MONITORING WELL
◉ MW-1A	PIEZOMETER
▣	CITY WELL
(55)	PCE CONCENTRATION (µg/L)
NS	NOT SAMPLED DUE TO DAMAGED PROTECTIVE CASING

NOTES

ONLY THOSE WELLS SHOWN IN BOLD ARE INCLUDED IN THE CURRENT MONITORING PROGRAM.

N

0 300' 600'

SCALE: 1"=300'

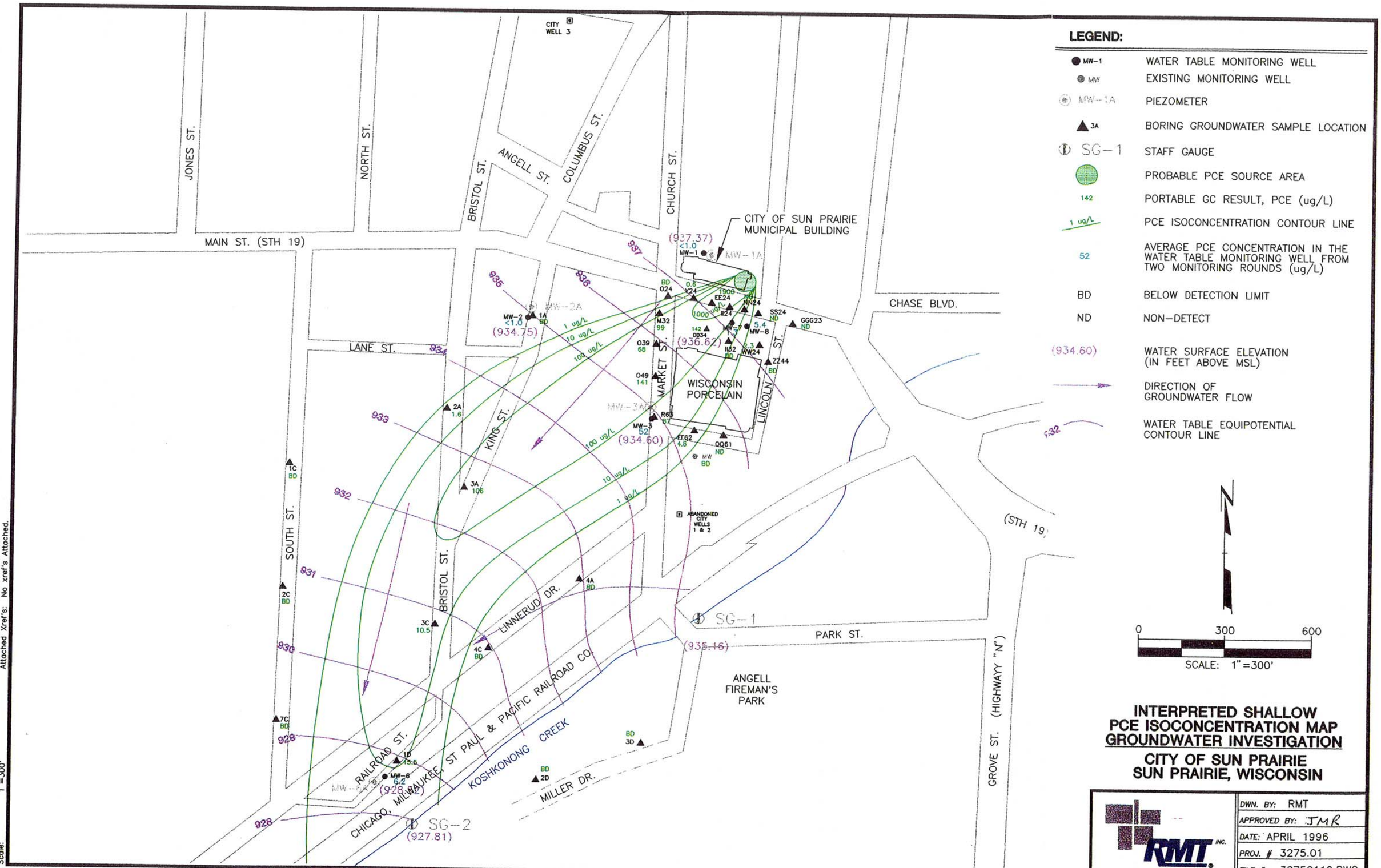
PROJECT:
CITY OF SUN PRAIRIE
SUN PRAIRIE, WISCONSIN

SHEET TITLE:
MONITORING WELL LOCATIONS AND JULY 2005 PCE CONCENTRATIONS

DRAWN BY: MEYERHOC	SCALE:	PROJ. NO. 03275.24
CHECKED BY: NK	1"=300'	FILE NO. 32752403.DWG
APPROVED BY: CRJ	DATE PRINTED:	FIGURE 1
DATE: SEPTEMBER 2005	SEP 21 2005	

RMT INC.
744 Heartland Trail
Madison, WI 53717-1934
P.O. Box 8923 53708-8923
Phone: 608-831-4444
Fax: 608-831-3334

PLOT DATA
Drawing Name: J:\03275\24\32752402.dwg
Operator Name: sieverd
Scale: 1=300
Dwg Size: 158015 Bytes
Plot Date: Wednesday, August 24, 2005
Plot Time: 09:57:14 AM
Attached Xref's: No xref's attached.
Attached Image's: No images attached



INTERPRETED SHALLOW PCE ISOCONCENTRATION MAP GROUNDWATER INVESTIGATION

CITY OF SUN PRAIRIE SUN PRAIRIE, WISCONSIN

RMT INC.

DWN. BY:	RMT
APPROVED BY:	JMR
DATE:	APRIL 1996
PROJ. #	3275.01
FILE #	32750119.DWG

FIGURE 7

Drawing Name: u:\03275\01\32750119.DWG
Operator Name: RMT
Scale: 1"=300'
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Plot Date: Thursday, April 4, 1996
Plot Time: 2:12.2008 PM
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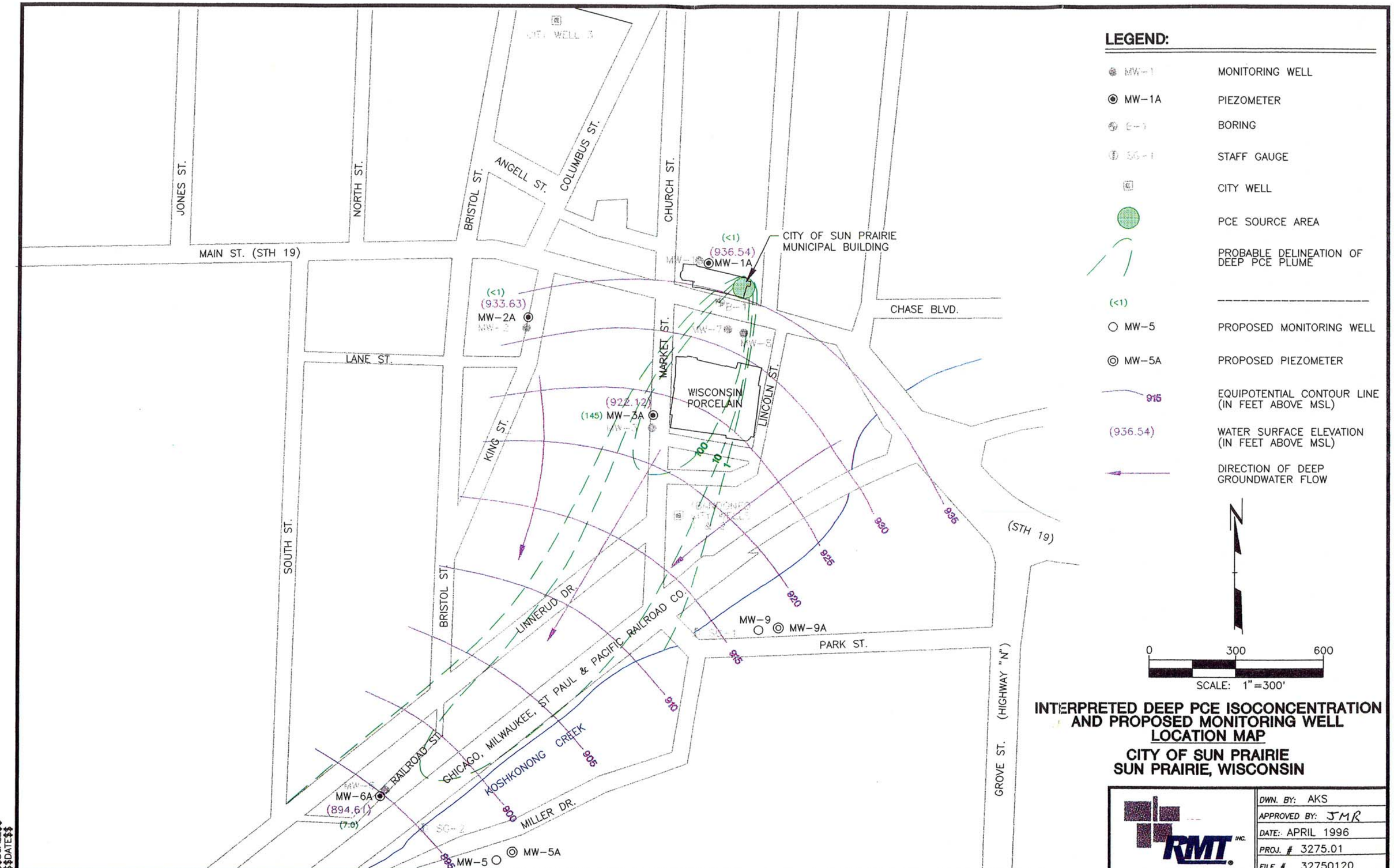
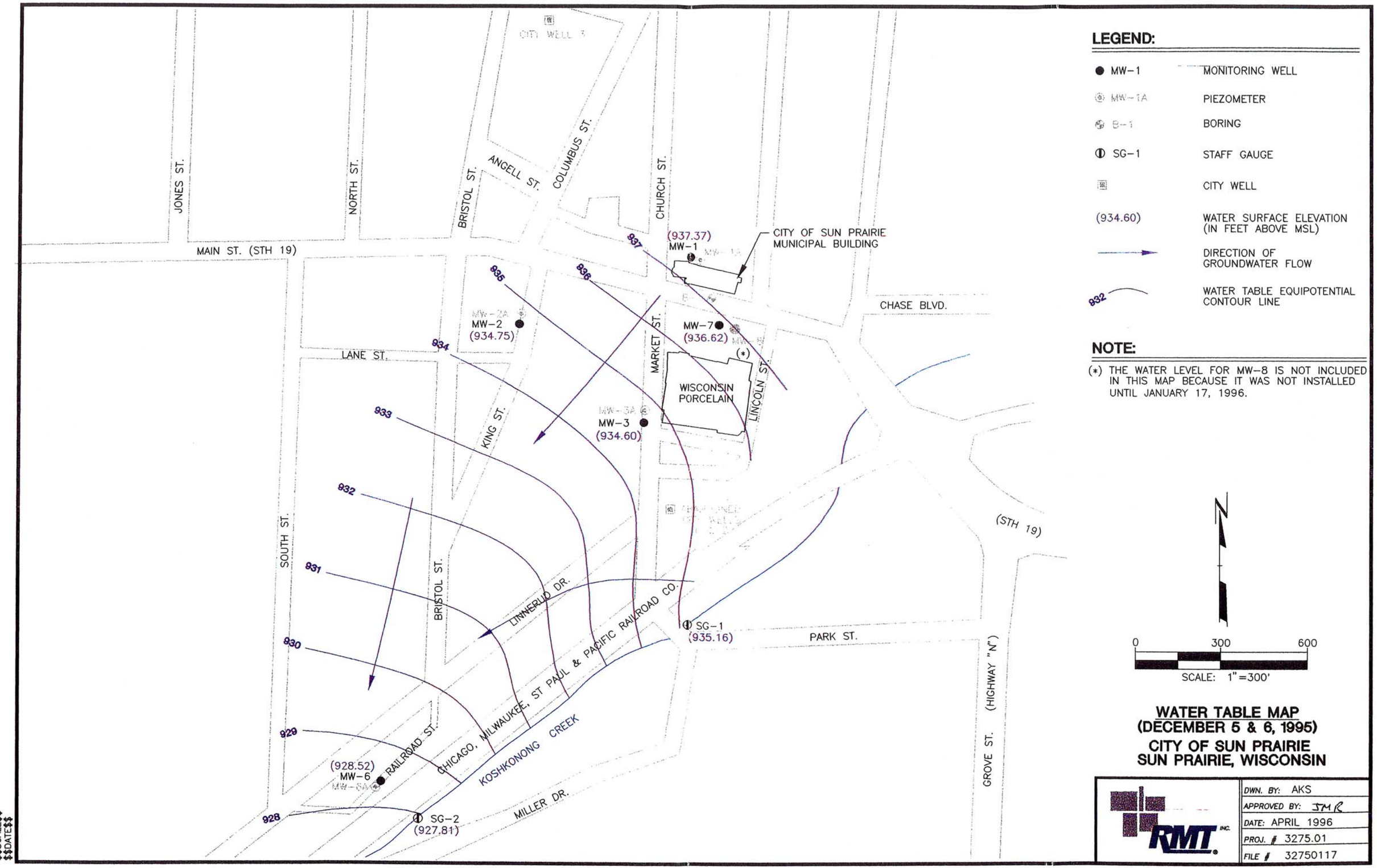

LEGEND:
MW-1 MONITORING WELL
MW-1A PIEZOMETER
B-1 BORING
SG-1 STAFF GAUGE
CITY WELL
PCE SOURCE AREA
PROBABLE DELINEATION OF DEEP PCE PLUME
(<1)
MW-5 PROPOSED MONITORING WELL
MW-5A PROPOSED PIEZOMETER
915 EQUIPOTENTIAL CONTOUR LINE (IN FEET ABOVE MSL)
(936.54) WATER SURFACE ELEVATION (IN FEET ABOVE MSL)
DIRECTION OF DEEP GROUNDWATER FLOW
N
0 300 600
SCALE: 1"=300'
JONES ST.
NORTH ST.
BRISTOL ST.
ANGELL ST.
COLUMBUS ST.
CHURCH ST.
MAIN ST. (STH 19)
CITY OF SUN PRAIRIE MUNICIPAL BUILDING
(<1)
(936.54)
MW-1A
(<1)
(933.63)
MW-2A
CHASE BLVD.
LANE ST.
MARKET ST.
WISCONSIN PORCELAIN
LINCOLN ST.
(922.12)
(145) MW-3A
KING ST.
100
10
1
930
935
925
920
(STH 19)
SOUTH ST.
BRISTOL ST.
LINNERUD DR.
MW-9
MW-9A
PARK ST.
915
910
905
900
895
CHICAGO, MILWAUKEE, ST PAUL & PACIFIC RAILROAD CO.
KOSHKONONG CREEK
RAILROAD ST.
MW-6A
(894.61)
(7.0)
MILLER DR.
MW-5
MW-5A
GROVE ST. (HIGHWAY "N")
INTERPRETED DEEP PCE ISOCONCENTRATION AND PROPOSED MONITORING WELL LOCATION MAP
CITY OF SUN PRAIRIE
SUN PRAIRIE, WISCONSIN
RMT INC.
DWN. BY: AKS
APPROVED BY: JMR
DATE: APRIL 1996
PROJ. # 3275.01
FILE # 32750120
$$PRF$$
$$SCALE$$
$$DATE$$

FIGURE 8



WATER TABLE MAP
(DECEMBER 5 & 6, 1995)
CITY OF SUN PRAIRIE
SUN PRAIRIE, WISCONSIN

RMT INC.

DWN. BY:	AKS
APPROVED BY:	JMR
DATE:	APRIL 1996
PROJ. #	3275.01
FILE #	32750117

FIGURE 4

$$PRF$$
$$SCALE$$
$$DATE$$

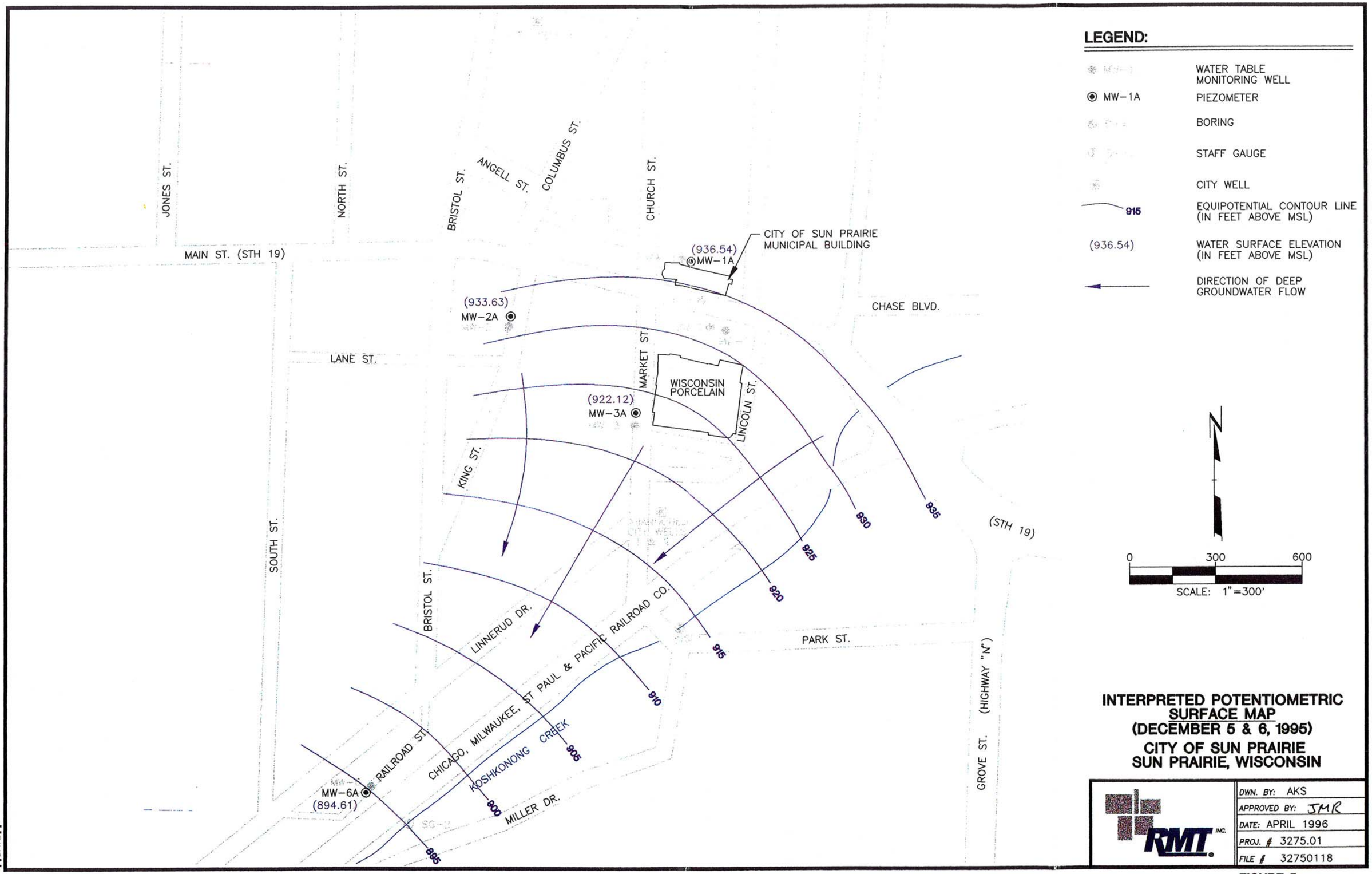
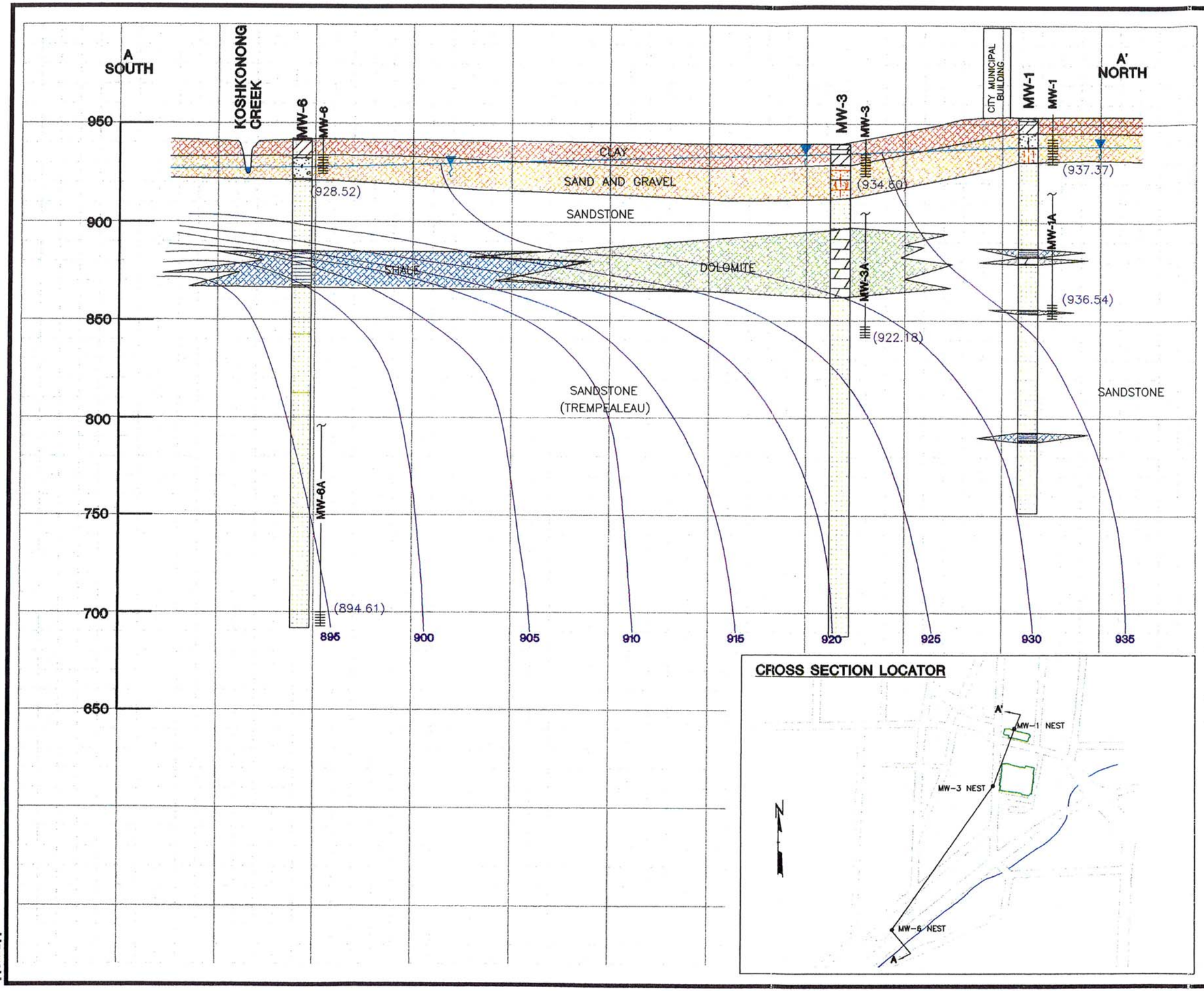

LEGEND:
WATER TABLE MONITORING WELL
MW-1A
PIEZOMETER
BORING
STAFF GAUGE
CITY WELL
915
EQUIPOTENTIAL CONTOUR LINE (IN FEET ABOVE MSL)
(936.54)
WATER SURFACE ELEVATION (IN FEET ABOVE MSL)
DIRECTION OF DEEP GROUNDWATER FLOW
JONES ST.
NORTH ST.
BRISTOL ST.
ANGELL ST.
COLUMBUS ST.
CHURCH ST.
MAIN ST. (STH 19)
CITY OF SUN PRAIRIE MUNICIPAL BUILDING
(936.54)
MW-1A
(933.63)
MW-2A
CHASE BLVD.
LANE ST.
MARKET ST.
WISCONSIN PORCELAIN
LINCOLN ST.
(922.12)
MW-3A
KING ST.
SOUTH ST.
BRISTOL ST.
LINNERUD DR.
CHICAGO, MILWAUKEE, ST PAUL & PACIFIC RAILROAD CO.
PARK ST.
(STH 19)
GROVE ST. (HIGHWAY "N")
RAILROAD ST.
KOSHKONONG CREEK
MILLER DR.
MW-6A
(894.61)
895
900
905
910
915
920
925
930
935
0
300
600
SCALE: 1"=300'
INTERPRETED POTENTIOMETRIC SURFACE MAP
(DECEMBER 5 & 6, 1995)
CITY OF SUN PRAIRIE
SUN PRAIRIE, WISCONSIN
RMT INC.
DWN. BY: AKS
APPROVED BY: JMR
DATE: APRIL 1996
PROJ. # 3275.01
FILE # 32750118
$$$SCALE$$$
$$$DATE$$$

FIGURE 5



LEGEND

- EXISTING GROUND SURFACE
- STRATIGRAPHIC BOUNDARY, DASHED WHERE INFERRED
- WATER TABLE ELEVATION
- (928.52) WATER LEVEL ELEVATION IN WELL
- 930 EQUIPOTENTIAL LINE

WELL CONSTRUCTION

- MW-3A — WELL SEAL
- SCREENED INTERVAL

LITHOLOGIC UNITS

- LEAN CLAY (CL)
- SAND AND GRAVEL (SW)
- SILTY SAND (SM)
- SHALE
- DOLOMITE
- SANDSTONE

NOTES

1. ELEVATION REFERENCED TO USGS MEAN SEA LEVEL DATUM.
2. FOR DETAILED LITHOLOGIC DESCRIPTIONS, SEE BORING LOGS, APPENDIX C. FOR WELL CONSTRUCTION DETAILS, SEE APPENDIX D.
3. WATER LEVELS MEASURED DEC. 5 & 6, 1995.
4. SEE INSET FOR LOCATION OF CROSS SECTION.

HORIZONTAL SCALE: 1"=300'
VERTICAL SCALE: 1"=50'

INTERPRETED EQUIPOTENTIOMETRIC CROSS SECTION

CITY OF SUN PRAIRIE
SUN PRAIRIE, WISCONSIN

RMT INC.

DWN. BY:	AKS
APPROVED BY:	JMR
DATE:	APRIL 1996
PROJ. #	3275.01
FILE #	32750122

$$PRF$$
$$SCALE$$
$$DATE$$

FIGURE 6

TABLE 1

SINGLE-WELL RESPONSE TEST RESULTS AND WATER ELEVATION DATA
CITY OF SUN PRAIRIE

Monitoring Location	Hydraulic Conductivity (K)		Water Elevation	
	ft/min	cm/s	December 5 & 6, 1995	December 19 & 20, 1995
Water Table Wells				
MW-1	1.0×10^{-3}	5.1×10^{-4}	937.37	937.44
MW-2	3.3×10^{-3}	1.7×10^{-3}	934.75	934.86
MW-3	9.8×10^{-3}	4.9×10^{-3}	934.60	934.63
MW-6	3.7×10^{-3}	1.9×10^{-3}	928.52	928.45
MW-7	3.0×10^{-2}	1.5×10^{-3}	936.62	936.68
MW-8	8.5×10^{-5}	4.3×10^{-5}*	NA	NA
Geometric Mean		1.6×10^{-3}		
Piezometers at 100 Foot Depths				
MW-1A	4.1×10^{-5}	2.1×10^{-5}	936.54	936.19
MW-2A	2.1×10^{-4}	1.1×10^{-4}	933.63	934.62
MW-3A	1.7×10^{-3}	8.6×10^{-4}	922.12	921.99
Geometric Mean		1.3×10^{-4}		
Piezometer at 250 Foot Depth				
MW-6A	7.1×10^{-3}	3.6×10^{-3}	894.61	895.00
Staff Gauges				
SG-1	--	--	935.16	935.93**
SG-2	--	--	927.81	927.74

NOTES:

* The value is anomalously low and is not included in the geometric mean calculation.
** The stream was iced over so the elevation may not reflect the actual expression of the water table.
NA Not available.

TABLE 3.03-1

WATER LEVEL ELEVATIONS AND FIELD HYDRAULIC CONDUCTIVITY

LUST SITE INVESTIGATION

SUN PRAIRIE CITY HALL SITE

Water Level Elevations

Well Name	PVC Casing Elevation	Water Level Elevations 1/7/92	Water Level Elevations 4/9/92
MW-1B	951.93	938.85	939.15
MW-2	949.99	938.49	938.81
MW-3	949.13	938.71	938.99
P-1	954.00	--	938.82

Elevations are MSL

Field Hydraulic Conductivity

Well Name	cm/sec	ft/day
MW-1B	0.0006	1.70
MW-2	0.00035	0.99
MW-3	0.00045	1.28
P-1	0.001	2.83

Property Owners Near City Hall

PARCEL NUMBER	APPROXIMATE GEOGRAPHIC COORDINATES [1] (meters WTM83/91)		COMPANY	NAME	SITE ADDRESS		MAILING ADDRESS	
	EAST	NORTH			ADDRESS	CITY, STATE, ZIP CODE	ADDRESS	CITY, STATE, ZIP CODE
City of Sun Prairie Municipal Building								
0811-054-6133-5	584200	301435	Sun Prairie, City of	Patrick Cannon	300 E. Main Street	Sun Prairie, WI 53590	300 East Main Street	Sun Prairie, WI 53590
Off-Source Properties with Groundwater Enforcement Standard Exceedences								
0811-081-8690-4	583803	300899	Astronomical, Inc.	--	191 Railroad Street	Sun Prairie, WI 53590	P.O. Box 1908	Des Moines, IA 50306
0811-054-5790-2	584056	301430	Athenian Holdings, LLC	Telly and Beth Fatsis	239 E. Main Street	Sun Prairie, WI 53590	1215 East Johnson Street	Madison, WI 53703
0811-081-8530-7	584032	301105	Bomkamp Investments, LLC	Darryl Bomkamp	211 E. Linnerud Drive	Sun Prairie, WI 53590	211 East Linnerud Drive	Sun Prairie, WI 53590
0811-054-7350-2	584198	301399	Cannery Square, LLC	David Simon	335/345/351 Cannery Square, 351/371/375/381/385/391/ 395 E. Main Street	Sun Prairie, WI 53590	6801 South Towne Drive	Madison, WI 53713
0811-054-7383-2	584137	301375	Cannery Square, LLC	David Simon	301/311/321/331 Cannery Square	Sun Prairie, WI 53590	6801 South Towne Drive	Madison, WI 53713
0811-054-5800-9	584086	301426		Freidel, Mark R. and Rose M.	243 E. Main Street	Sun Prairie, WI 53590	2857 Country Drive	Sun Prairie, WI 53590
0811-054-7394-2	584150	301312	Great Neighborhoods East, LLC	David Simon	188 Cannery Place, 155 Market Street	Sun Prairie, WI 53590	6801 South Towne Drive	Madison, WI 53713
0811-054-7186-2	584064	301136		Johnson, Richard W.; Murray-Johnson, Theresa L.	No known address	Sun Prairie, WI 53590	765 Eddington Drive	Sun Prairie, WI 53590
0811-054-5811-2	584101	301427		Kessenich, Daniel G. and Jeanne L.	No known address	Sun Prairie, WI 53590	P.O. Box 190	Cottage Grove, WI 53527
0811-054-5825-2	584088	301370	Prairie Dream I, LLC	Peder Moren	110 Market Street	Sun Prairie, WI 53590	2002 Atwood Avenue #212	Madison, WI 53704
0811-081-8710-9	583788	300930		Rebholz, William S. and Diane M.	299 Linnerud Drive, 180 Railroad Street	Sun Prairie, WI 53590	180 Railroad Street	Sun Prairie, WI 53590
0811-081-8550-3	583953	301048	Steve's Wholesale, LLC	Steve and Tammy Knaus	105 Railroad Street	Sun Prairie, WI 53590	999 South Bird Street	Sun Prairie, WI 53590
0811-081-8580-7	583953	301048			113 Railroad Street	Sun Prairie, WI 53590	113 Railroad Street	Sun Prairie, WI 53590
0811-081-8640-4	583846	300978			110 Railroad Street	Sun Prairie, WI 53590	113 Railroad Street	Sun Prairie, WI 53590
0811-081-8670-8	583846	300978			150 Railroad Street	Sun Prairie, WI 53590	113 Railroad Street	Sun Prairie, WI 53590
0811-054-5895-2	584052	301335	Sun Prairie, City of	Patrick Cannon	250 E. Lane Street	Sun Prairie, WI 53590	300 East Main Street	Sun Prairie, WI 53590
0811-054-5903-2	584052	301335			291 E. Lane Street, 132 Market Street	Sun Prairie, WI 53590	300 East Main Street	Sun Prairie, WI 53590
0811-054-5879-2	584037	301372			252 E. Lane Street	Sun Prairie, WI 53590	300 East Main Street	Sun Prairie, WI 53590
0811-054-5967-2	584059	301411			No known address	Sun Prairie, WI 53590	300 East Main Street	Sun Prairie, WI 53590
0811-054-7450-2	584135	301418			301 E. Main Street	Sun Prairie, WI 53590	300 East Main Street	Sun Prairie, WI 53590
0811-081-2552-3	583849	301109			234 S. Bristol Street	Sun Prairie, WI 53590	300 East Main Street	Sun Prairie, WI 53590
0811-081-2563-0	583849	301109			234 S. Bristol Street	Sun Prairie, WI 53590	300 East Main Street	Sun Prairie, WI 53590
0811-081-2575-6	583849	301109			234 S. Bristol Street	Sun Prairie, WI 53590	300 East Main Street	Sun Prairie, WI 53590
0811-081-2586-3	583849	301109			224 S. Bristol Street	Sun Prairie, WI 53590	300 East Main Street	Sun Prairie, WI 53590
0811-081-2597-0	583849	301109			216 S. Bristol Street, 218 S. Bristol Street	Sun Prairie, WI 53590	300 East Main Street	Sun Prairie, WI 53590
0811-081-2608-6	583849	301109			212 S. Bristol Street	Sun Prairie, WI 53590	300 East Main Street	Sun Prairie, WI 53590
0811-081-2624-2	583946	301153			201 S. Bristol Street	Sun Prairie, WI 53590	300 East Main Street	Sun Prairie, WI 53590
0811-081-2644-2	583946	301153			229 S. Bristol Street	Sun Prairie, WI 53590	300 East Main Street	Sun Prairie, WI 53590
0811-081-8600-2	583868	300954	Vizun Properties, LLC	Tony Humphrey	123 Railroad Street	Sun Prairie, WI 53590	146 Vine Street	Sun Prairie, WI 53590
0811-081-8620-8	583868	300954			129 Railroad Street, 147 Railroad Street	Sun Prairie, WI 53590	146 Vine Street	Sun Prairie, WI 53590
0811-054-6954-2	584004	301266	Washington Mills Ceramics Corporation	Jack Williams	165 King Street	Sun Prairie, WI 53590	20 North Main Street	North Grafton, MA 01536

Note

[1] Approximate geographic coordinates were obtained from the WDNR Remediation & Redevelopment Sites Map (http://dnrmaps.wisconsin.gov/imf/imf.jsp?site=brrts.rrsitesmap). A single set of geographic coordinates are provided for contiguous parcels under the same property ownership.

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0811-081-8640-4	583846	300978			110 Railroad Street	Sun Prairie, WI 53590	113 Railroad Street	Sun Prairie, WI 53590
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0811-081-2608-6	583849	301109			212 S. Bristol Street	Sun Prairie, WI 53590	300 East Main Street	Sun Prairie, WI 53590
0811-081-2624-2	583946	301153			201 S. Bristol Street	Sun Prairie, WI 53590	300 East Main Street	Sun Prairie, WI 53590
0811-081-2644-2	583946	301153			229 S. Bristol Street	Sun Prairie, WI 53590	300 East Main Street	Sun Prairie, WI 53590
0811-081-8600-2	583868	300954	Vizun Properties, LLC	Tony Humphrey	123 Railroad Street	Sun Prairie, WI 53590	146 Vine Street	Sun Prairie, WI 53590
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MAIN
STREET
ANGELL
STREET
CHURCH
VINE
DEWEY
CHASE
BLVD.
CHASE
BLANKENHEIM
WEST LANE STREET
E LANE ST
EAST LANE STREET
ALLEY
CANNERY SQUARE
CANNERY SQUARE
CANNERY PLACE
EAST LINNERUD DRIVE
C. M. ST. P. & P. RR.
PARK
STREET
SOUTH
STREET
BRISTOL
STREET
KING
MARKET
STREET
EAST LINNERUD
DRIVE
LINNERUD
DRIVE
RAILROAD
C. M. ST. P. & P. RR.
WOOD VIOLET
GRANITE
ROBIN
GROVE
ST

Table I-6
Most Recent Groundwater Monitoring Results
City of Sun Prairie

WELL NUMBER	SAMPLE DATE	PERCHLOROETHENE (µg/L)	TRICHLOROETHENE (µg/L)	CIS-1,2-DICHLOROETHENE (µg/L)	WATER LEVEL (ft msl)
RW-1	7/29/05	**160**	<0.48	<0.83	936.94
MW-3	7/29/05	NS	NS	NS	NM
MW-3A	7/29/05	**55**	1.2 Q	2.4 Q	919.80
MW-4	7/29/05	**11**	<0.48	<0.83	937.08
MW-6	7/29/05	*4.9*	<0.48	<0.83	928.44
MW-6A	7/29/05	<0.45	<0.48	<0.83	890.84
MW-10	7/29/05	**450**	<2.4	<4.1	936.85
--	NR 140 ES	5	5	70	--
--	NR 140 PAL	0.5	0.5	7	--

Notes:
BOLD indicates an ES exceedence.
ITALICS indicates a PAL exceedence.
NS=not sampled; well was found to be damaged on July 29, 2005, and could not be sampled.
NM=not measured.
Q = the analyte was detected between the Limit of Detection (LOD) and the Limit of Quantitation (LOQ).

Prepared by: SAK, 1/3/07
Checked by: MDW, 1/3/07

Certification Statement

As the designated representative for the City of Sun Prairie and at the request of RMT, Inc., I am submitting this letter as written certification of the legal descriptions set forth in the GIS registry package.

I certify that, to the best of my knowledge, the legal descriptions provided in the GIS package submitted by RMT, Inc., are complete and accurate with respect to the properties impacted by the release from the City of Sun Prairie Municipal Building site, located in Sun Prairie, Wisconsin.

Paul Evert
City of Sun Prairie

2-14-07
Date

Table I-8
Groundwater Elevation Summary (Previous four rounds)
City of Sun Prairie

WELL	DATE	TOC ELEVATION (ft msl)	DEPTH TO WATER (feet)	WATER ELEVATION (ft msl)
RW-1	7/29/05	945.12	8.18	936.94
	7/28/04		6.82	938.30
	7/21/03		8.02	937.10
	7/30/02		7.34	937.78
MW-3	7/29/05	940.07	NM	NM
	7/28/04		4.32	935.75
	7/21/03		5.15	934.92
	7/30/02		4.80	935.27
MW-3A	7/29/05	940.48	20.68	919.80
	7/28/04		16.82	923.66
	7/21/03		20.70	919.78
	7/30/02		17.35	923.13
MW-4	7/29/05	943.53	6.45	937.08
	7/28/04		5.08	938.45
	7/21/03		6.27	937.26
	7/30/02		5.70	937.83
MW-6	7/29/05	941.67	13.23	928.44
	7/28/04		13.70	928.60
	7/21/03		13.27	928.40
	7/30/02		13.26	928.41
MW-6A	7/29/05	941.65	50.81	890.84
	7/28/04		48.53	893.12
	7/21/03		50.37	891.28
	7/30/02		47.30	894.35
MW-10	7/29/05	941.89	5.04	936.85
	7/28/04		3.51	938.14
	7/21/03		4.61	937.04
	7/30/02		4.08	937.57

Prepared by: SAK, 1/3/07
Checked by: MDW, 1/3/07