GIS REGISTRY INFORMATION

SITE NAME:	City of Waterloo Right-of-way		
BRRTS #:	03-28-202879	**FID # (if appropriate):**	
COMMERCE # (if appropriate):	53594-1319-51		
CLOSURE DATE:	Cond.=12/8/2004	Final=3/9/2005	
STREET ADDRESS:	Adjacent to 151 West Main Street		
CITY:	Waterloo		
SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection):	**X=** 601985	**Y=** 301725	
CONTAMINATED MEDIA:	Groundwater [X]	Soil [X]	Both [X]
OFF-SOURCE GW CONTAMINATION >ES:	[X] Yes	[ ] No	
IF YES, STREET ADDRESS 1:	None-Alleyway between properties		
GPS COORDINATES (meters in WTM91 projection):	**X=** 601996	**Y=** 301732	
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 issued	X
Copy of most recent deed, including legal description, for all affected properties	X
Certified survey map or relevant portion of the recorded plat map (*if referenced in the legal description*) for all affected properties	X
County Parcel ID number, *if used for county*, for all affected properties	X
Location Map which outlines all properties within contaminated site boundaries 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	X
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)	na
Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)	na
Copy of (soil or land use) deed restriction(s) or deed notice *if any required as a condition of closure*	na

revised 7/2/03

ATTACHMENT I

Required GIS Registry Information

I-1. Copy of Most Recent Deed (Alley property between 151 and 143 West Madison Street)
I-2. Copy of Certified Survey Map
I-3. Parcel Identification Number

290-0813-0644-047 (Alley between 151 and 143 West Madison Street)

There is no deed for the City source area (City right-of-way). Deeds for other adjacent properties are not included because there are no sampling data to confirm enforcement standards exceedances on these properties.

Geographic Position

WTM Coordinates 601959, 301725 (Scale: 1:559) SEE GIS SHEET

I-4. Site Location Map
I-5. Map of Contaminated Properties Within the Site Boundary
I-6. Table of Most Recent Analytical Results
I-7. Groundwater Isoconcentration Map or Map of Horizontal Extent of Contamination
I-8. Table of Previous Four Water Level Elevation Measurements From All Monitoring Wells
I-9. Groundwater Flow Direction Map
I-10. Map Showing Location of All Soil Samples
I-11. Geologic Cross Section
I-12. Responsible Party Statement
I-13. Copy of Letters Sent by the RP to All Owners of Properties With Groundwater Exceeding ESs (Not Applicable, see item # I-3 above)
I-14. Copy of Written Notifications (Not Applicable. City is RP and right-of-way owner.)
I-15. List of Addresses for All Off-Source Properties

The alley property is the only off-site property with confirmed contamination exceeding applicable standards. See item # I-3 for additional information.

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

WISCONSIN
DEPT. OF NATURAL RESOURCES

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

Janesville Service Center
2514 Morse Street
Janesville, Wisconsin 53545
Telephone 608-743-4841
FAX 608-743-4801

March 9, 2005

Mr. Morton Hanson
City of Waterloo
136 North Monroe Street
Waterloo, WI 53594

Subject: Final Closure of the City of Waterloo Right-of-way/Hotmar Property Located Adjacent to 151 West Madison Street, Waterloo, Jefferson, Wisconsin
BRRTS ID # 03-28-202879

Dear Mr. Hanson:

On December 8, 2004 the South Central Region Case Closure Committee reviewed your site for closure. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On December 9, 2004, you were notified that the Closure Committee had granted conditional closure to your case.

On February 16, 2005, the Department received information indicating that you have complied with the conditions of closure. Previously, correspondence and data had been provided indicating that your property has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code. The Department considers this case closed and no further investigation, remediation or other action is required at this time.

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

If this is a PECFA site, section 101.143, Wis. Stats., requires that PECFA claimants seeking reimbursement of interest costs, for sites with petroleum contamination, submit a final reimbursement claim within 120 days after they receive a closure letter on their site. For claims not received by the PECFA Program within 120 days of the date of this letter, interest costs after 60 days of the date of this letter will not be eligible for PECFA reimbursement.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at 608-743-4841, or at the e-mail address below.

Sincerely,

James Kralick

James Kralick, P.G.
Hydrogeologist, SCR Remediation & Redevelopment Program
James.Kralick@dnr.state.wi.us

cc: Janesville – LUST case file
Rob Langdon, BT2, Inc., 2830 Dairy Drive, Madison, WI 53718-6751

Ann J. Rood to Ira R. Rood

QUITCLAIM DEED.

H. C. MILLER CO., MFG. STATIONERS, MILWAUKEE. 27420 F. I.

Know all Men by these Presents, That Ann J. Rood of Waterloo, Wisconsin

party of the first part, in consideration of the sum of one

Dollars, to her duly paid, do hereby remise, release and

quitclaim unto Ira R. Rood, of Waterloo, Wisconsin,

party of the second part, and to his

heirs and assigns forever, the following described real estate, situated in the County of Jefferson, State of Wisconsin, to-wit:

All of Lot One (1), Block Two (2), of the First Addition of the Village of Waterloo, except the West Two (2) rods and Twenty (20) links thereof. Also the West Two (10) feet of Lot Two (2) in said Block 2. Subject to an established right of way, in common with C. Failinger his heirs and assigns, over the West Twelve (12) feet of said Lot 1 and then North six feet thereof, and also a right of way, in common with said C. Failinger his heirs and assigns, over a portion of Lot 2, in said Block 2, being six (6) feet wide and bordering on the 6 feet right of way in said Lots 1 and 2.

To Have and to Hold the same, together with all and singular the appurtenances and privileges thereunto belonging, or in anywise appertaining, and all the estate, right, title, interest and claim whatsoever of the said party of the first part, either in law or equity, either in possession or expectancy; to the only proper use, benefit and behoof of the said party of the second part, his heirs and assigns forever.

In Witness Whereof, the party of the first part has hereunto set her hand and seal this Twenty first day of November, in the year of our Lord, One Thousand Nine Hundred and Ten (1910)

In Presence of

Ray B. Fuining
Charles E. Archie

Ann J. Rood [SEAL.]
[SEAL.]
[SEAL.]

State of Wisconsin, }ss.
Jefferson County.

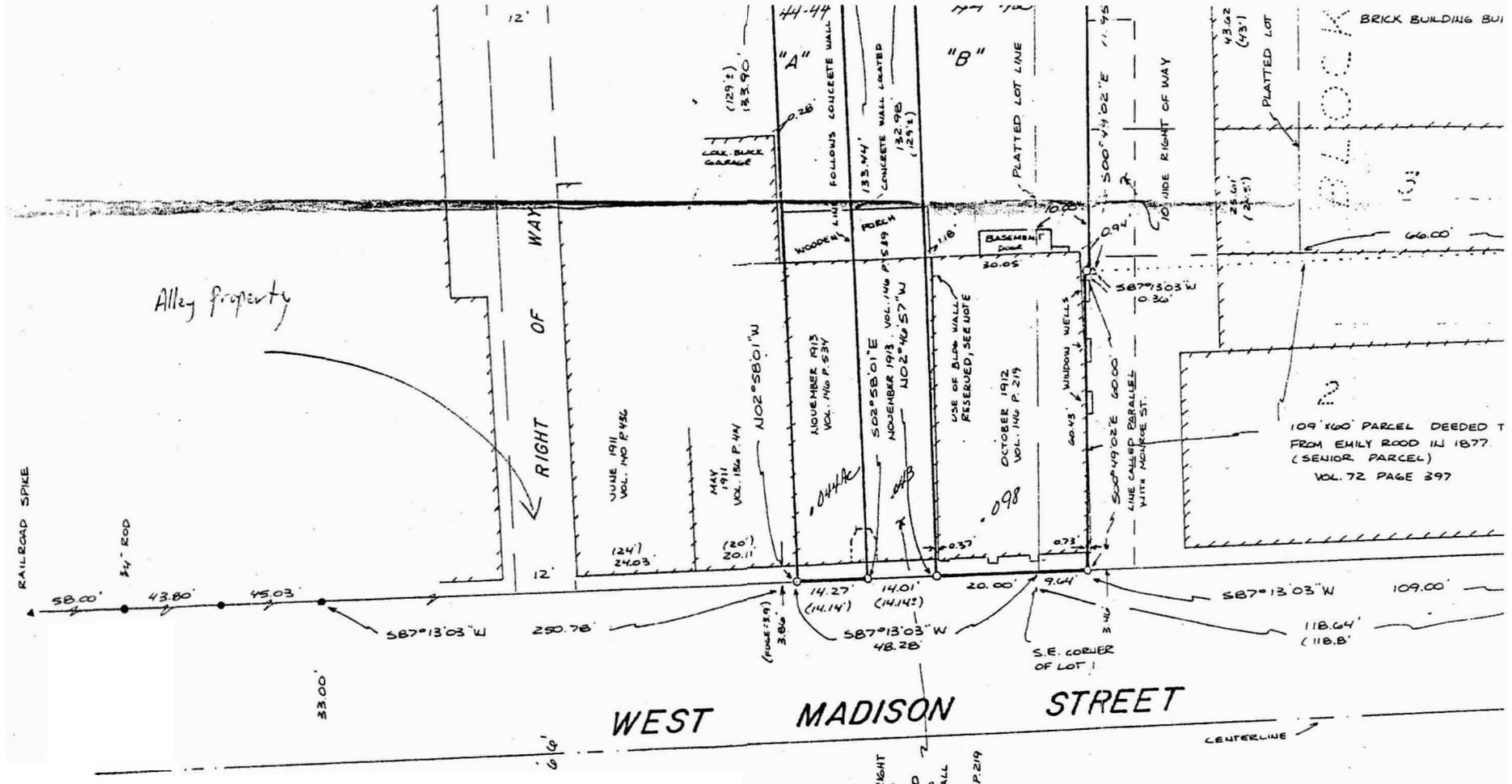
Personally Came Before Me, this Twenty first day November 1910, the above named Ann J. Rood ~~to me known to~~

me known to be the person who executed the foregoing instrument, and acknowledged the same.

Received for Record the 11 day January A. D. 1911 at 9 o'clock

(Seal) Ray B. Fuining
Notary Public Wisconsin

My Commission expires January 6 1913 190



NOTE: THIS PARCEL HAS RIGHT TO USE OF BUILDING WALL ERECTED ON ADJOINING PARCEL (OLD BANK BUILDING) ALSO HAS RIGHT TO USE WALL IF EXTENDED. RIGHT RESERVED IN VOL. 140 P. 219

Surveyor's Certificate

I, David C. Riesop, Registered Land Surveyor, hereby certify that I have surveyed the above described property and that the map shown hereon is a true representation thereof and shows the size and location of the property, its exterior boundaries, the location and dimensions of all visible structures thereon, apparent easements and roadways and visible encroachments, if any.

This survey is made for the exclusive use of the present owners of the property, and also those who purchase, mortgage, or guarantee the title thereto within one year from the date hereof.

12/10/87
date of field survey

David C. Riesop 12/15/87
David C. Riesop S-1551

DAVID C. RIESOP S-1551 CAMBRIDGE, WISCONSIN LAND SURVEYOR

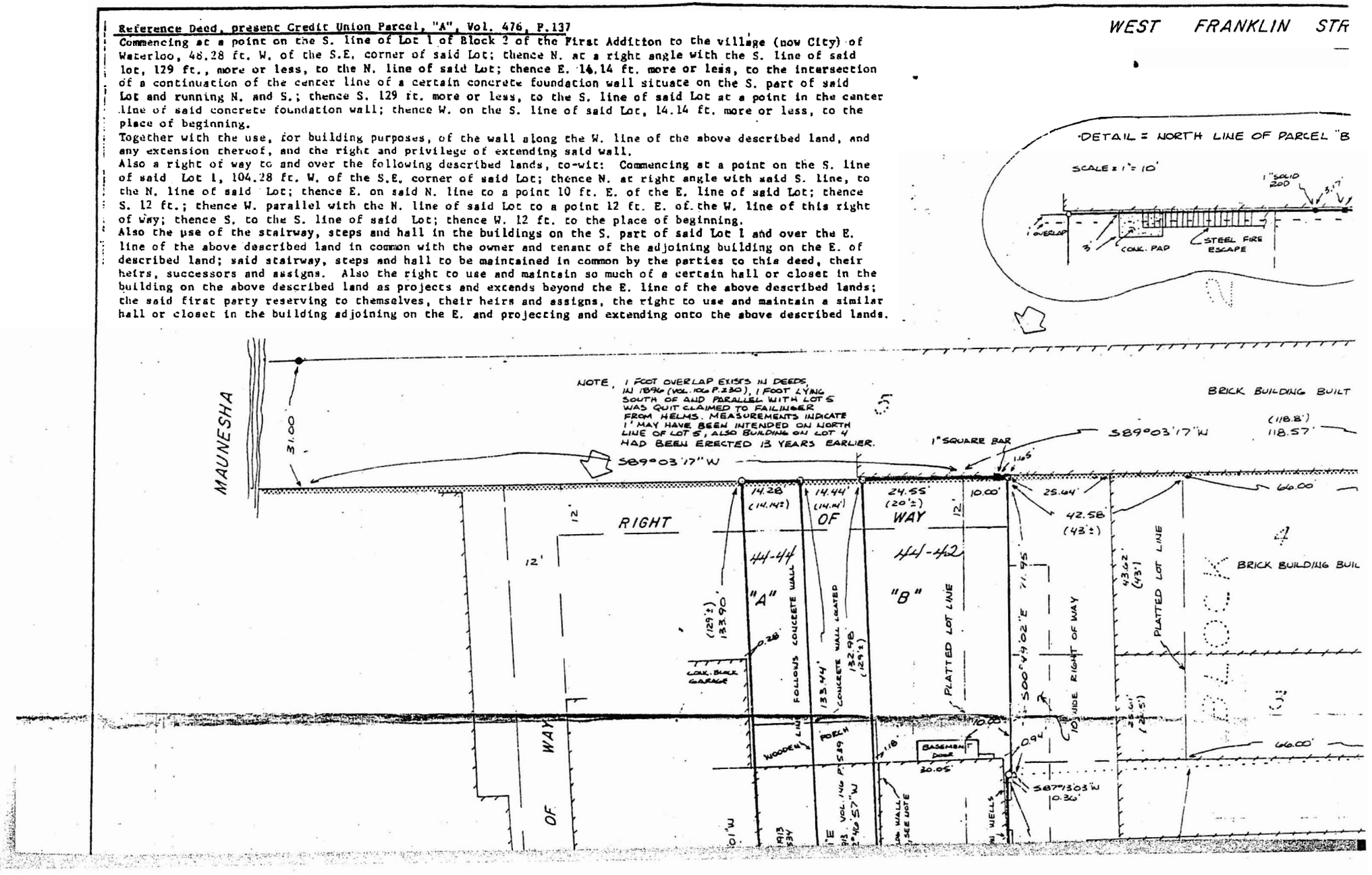
Reference Deed, present Credit Union Parcel, "A", Vol. 476, P.137

Commencing at a point on the S. line of Lot 1 of Block 2 of the First Addition to the village (now City) of Waterloo, 48.28 ft. W. of the S.E. corner of said Lot; thence N. at a right angle with the S. line of said lot, 129 ft., more or less, to the N. line of said Lot; thence E. 14.14 ft. more or less, to the intersection of a continuation of the center line of a certain concrete foundation wall situate on the S. part of said Lot and running N. and S.; thence S. 129 ft. more or less, to the S. line of said Lot at a point in the center line of said concrete foundation wall; thence W. on the S. line of said Lot, 14.14 ft. more or less, to the place of beginning.

Together with the use, for building purposes, of the wall along the W. line of the above described land, and any extension thereof, and the right and privilege of extending said wall.

Also a right of way to and over the following described lands, to-wit: Commencing at a point on the S. line of said Lot 1, 104.28 ft. W. of the S.E. corner of said Lot; thence N. at right angle with said S. line, to the N. line of said Lot; thence E. on said N. line to a point 10 ft. E. of the E. line of said Lot; thence S. 12 ft.; thence W. parallel with the N. line of said Lot to a point 12 ft. E. of the W. line of this right of way; thence S. to the S. line of said Lot; thence W. 12 ft. to the place of beginning.

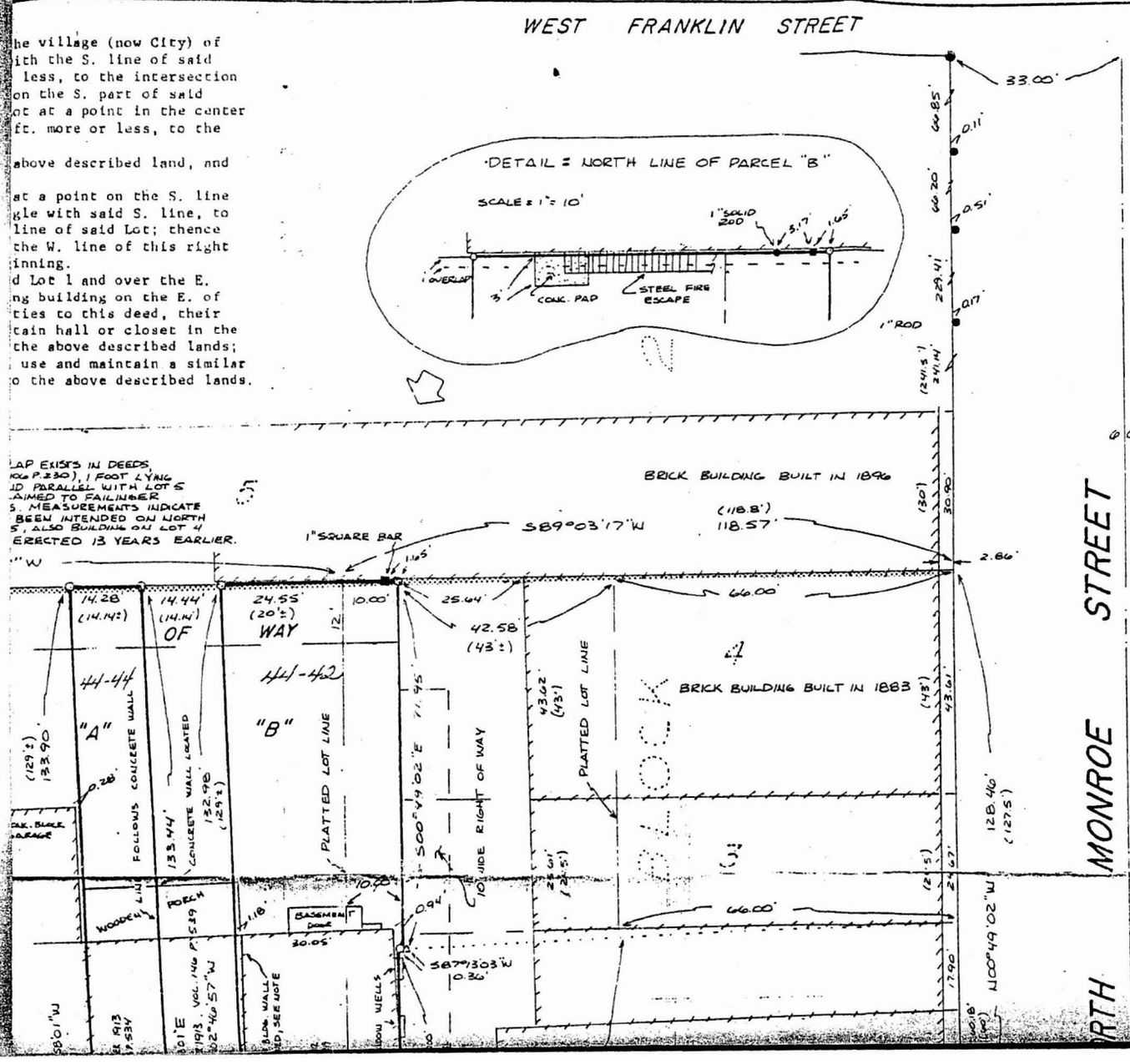
Also the use of the stairway, steps and hall in the buildings on the S. part of said Lot 1 and over the E. line of the above described land in common with the owner and tenant of the adjoining building on the E. of described land; said stairway, steps and hall to be maintained in common by the parties to this deed, their heirs, successors and assigns. Also the right to use and maintain so much of a certain hall or closet in the building on the above described land as projects and extends beyond the E. line of the above described lands; the said first party reserving to themselves, their heirs and assigns, the right to use and maintain a similar hall or closet in the building adjoining on the E. and projecting and extending onto the above described lands.



he village (now City) of
ith the S. line of said
less, to the intersection
on the S. part of said
ot at a point in the center
ft. more or less, to the

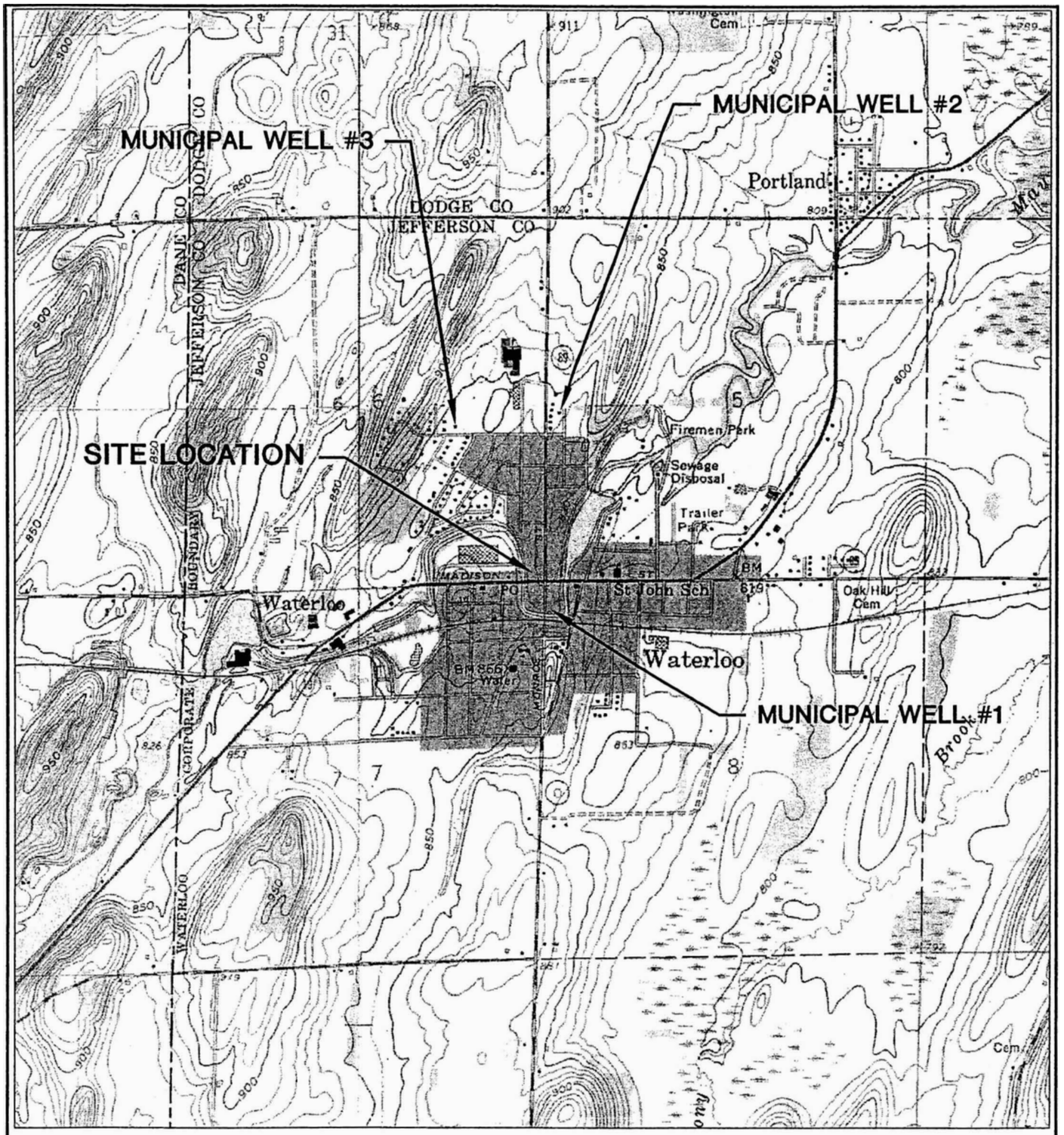
above described land, and

at a point on the S. line
gle with said S. line, to
line of said Lot; thence
the W. line of this right
inning.
d Lot 1 and over the E.
ng building on the E. of
ties to this deed, their
tain hall or closet in the
the above described lands;
use and maintain a similar
o the above described lands.



Reference Deed, Grzemkowski parcel, "B", V.313 P168
Commencing at a point on the S. line of Block 2, of the first addition to the Village of Waterloo, and 10 ft. E. of the S.E. corner of Lot 1, of said Block 2; thence W. on the S. line of said Block 2, 30 ft., thence N. at right angles with said S. line of Block 2, 129 ft., more or less, to the N. line of said Lot 1; thence E. on said N. line of Lot 1 and a continuation thereof to a point 10 ft. E. of the N.E. corner of said Lot; thence S. to the place of beginning. Together with and subject to the use of right of way over and upon the following described lands: Commencing at a point on the S. line of said Lot 1, 104.28 ft. W. of the S.E. corner of said lot; thence N. at right angles with said S. line of Lot 1 to the N. line of said Lot 1; thence E. on said N. line of Lot 1 and a continuation thereof to a point 10 ft. E. of the N.E. corner of said Lot 1; thence S. 12 ft.; thence W. parallel with said N. line of Lot 1 to a point 12 ft. E. of the W. line of this right-of-way; thence S. parallel with said W. line of this right-of-way to the S. line of said Lot 1; thence W. 12 ft. to the place of beginning.

Legend
● = iron pipe found, unless otherwise noted
O = 3/4" dia. x 24" long rebar set
= building line
= common building line



N

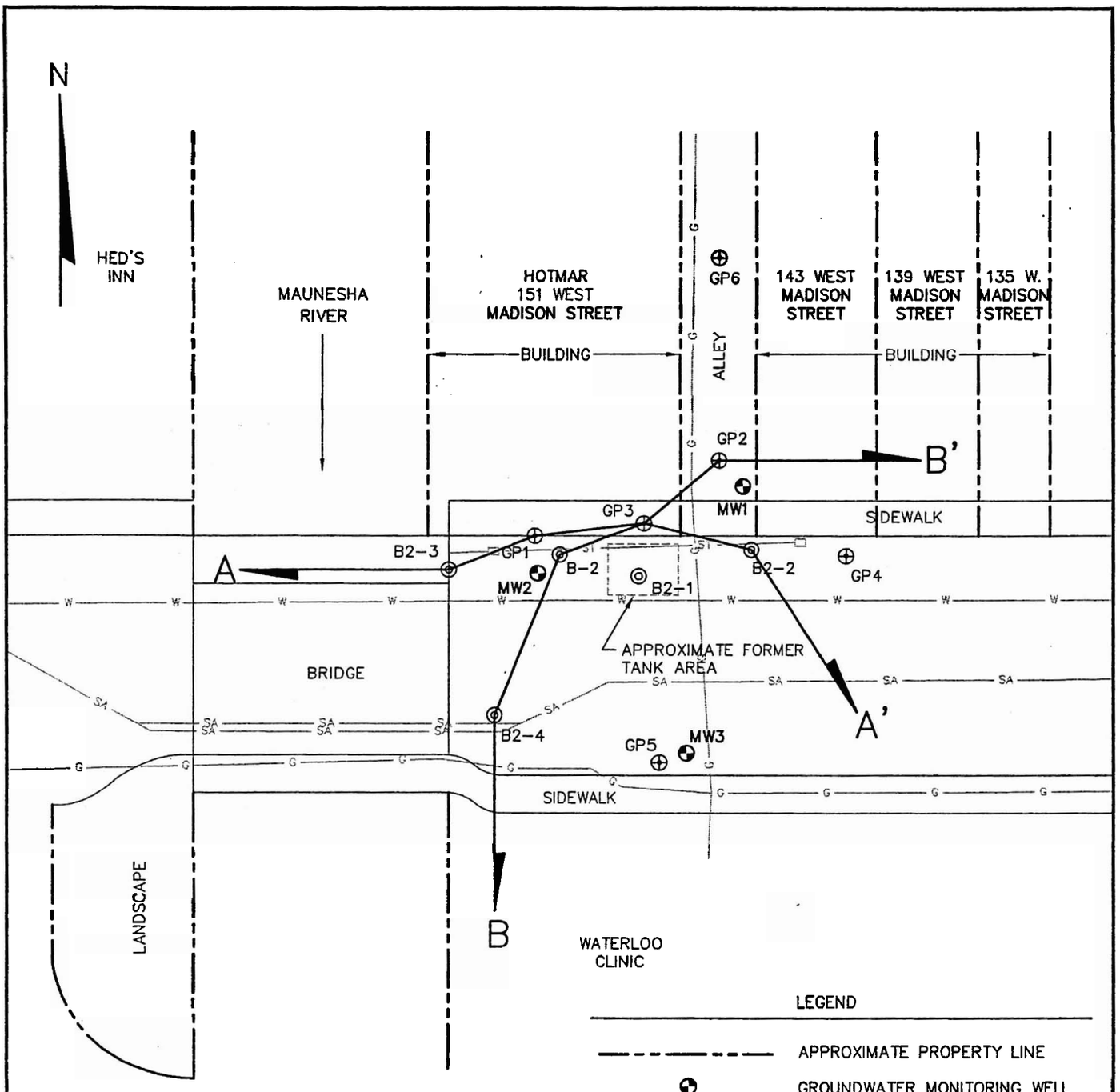
WATERLOO QUADRANGLE
WISCONSIN
7.5 MINUTE SERIES (TOPOGRAPHIC)
NW/4 WATERLOO 15' QUADRANGLE
1976
SCALE: 1" = 2,000'

PROJECT NO. 1367	
DRAWN BY: KP	
CHECKED BY: RL	
APPROVED BY:	
DRAWN: 04/26/99	
REVISED: 09/14/04	

FIGURE A-2
SITE LOCATION MAP
CITY OF WATERLOO
151 WEST MADISON STREET
WATERLOO, WISCONSIN

BT² inc.

I:\1367\Figures-General\FIG1.dwg, 11/15/2004 12:44:48 PM



LEGEND

— — — —	APPROXIMATE PROPERTY LINE
⊕	GROUNDWATER MONITORING WELL
⊕	GEOPROBE INSTALLED BY BT2, INC.
◎	SOIL BORING INSTALLED BY WDOT
—G—	GAS
—SA—	SANITARY SEWER
—ST—	STORM SEWER
—W—	WATER
A ◄——► A'	GEOLOGIC CROSS SECTION LOCATION LINE

NOTES:

1. GEOPROBE BORINGS AND MONITORING WELLS INSTALLED AND MAPPED BY BT2, INC.
2. SOIL BORINGS INSTALLED BY WISCONSIN DEPARTMENT OF TRANSPORTATION (WDOT). BORING LOCATIONS ARE BASED STRAND PHASE 2.5 INVESTIGATION REPORT DATED MAY 28, 1999.

30 0 30

APPROXIMATE SCALE: 1" = 30'

PROJECT NO. 1367	
DRAWN BY: KP/DJ	
CHECKED BY: RL	
APPROVED BY:	
DRAWN: 04/26/99	
REVISED: 11/15/04	

FIGURE A-3
SITE PLAN
CITY OF WATERLOO
151 WEST MADISON STREET
WATERLOO, WISCONSIN

BT2 inc.

I:\1367\Figures-General\BORING.dwg, 11/17/2004 10:25:53 AM

Table E-1
Groundwater Analytical Results Summary
City of Waterloo, 151 West Madison Street / Project #1367
(Results are in μg/kg, except where noted otherwise)

Sample	Date	Lab Notes	GRO	Benzene	Ethylbenzene	Toluene	Xylenes	TMBs	MTBE	Lead	Other VOCs
TW-2 (B2)	4/1/98		260	**300**	25	9	120	65	<4.5	NA	DRO 860
TW2-3 (B2-3)	4/12/99		NA	<0.27	<0.32	<0.27	<0.67	<0.49	<0.32	NA	
TW2-4 (B2-4)	4/12/99		NA	<0.27	<0.32	<0.27	<0.67	<0.49	<0.32	NA	
GP1	6/17/99	(1)	910	**240**	5.1	2.2	46	31.3	<0.80	NA	NA
GP2	6/17/99	(1)	2,500	**36**	82	11	480	179	<1.6	NA	NA
GP3	6/17/99	(1)	7,900	**250**	220	51	1,100	**540**	<8.0	NA	NA
GP4	6/17/99	(1)	93	1.1	2.6	1.1	10	7	<0.16	NA	NA
GP5	6/17/99	(1)	130	0.80	2.3	1.1	11	10.2	<0.16	NA	NA
GP6	6/17/99	(2)	1,100	**37**	76	6.0	250	95	<0.16	NA	NA
MW1	3/7/00	(3)	NA	**140**	**1,100**	570	4,800	**1,360**	<1.2	1.6	sec-Butylbenzene 16 Isopropylbenzene 65 p-Isopropyltoluene 3.0 Naphthalene **110** n-Propylbenzene 180
	10/18/00	(4)	9,800	**61**	**940**	320	2,520	**1,390**	26	NA	NA
	2/7/02	-	NA	NA	NA	NA	NA	NA	NA	NA	LPH in Well
	6/6/02	--	NA	**710**	**1,500**	**5,100**	6,600	**1,880**	<6.4	NA	NA
	11/25/02	--	NA	NA	NA	NA	NA	NA	NA	NA	LPH in Well
	2/14/03	--	NA	**581**	**1,380**	**4,450**	6,480	**1,697**	<15.0	NA	LPH in Well
	6/9/03	(9)	NA	**527**	**1,070**	**3,040**	5,320	**1,504**	<3.00	NA	NA
	6/9/03 Dup	--	NA	**445**	**827**	**2,470**	4,023	1,206	<1.50	NA	NA

Table E-1
Groundwater Analytical Results Summary
City of Waterloo, 151 West Madison Street / Project #1367
(Results are in μg/kg, except where noted otherwise)

Sample	Date	Lab Notes	GRO	Benzene	Ethylbenzene	Toluene	Xylenes	TMBs	MTBE	Lead	Other VOCs
MW1 (cont.)	9/30/03	--	NA	**2,270**	**4,320**	**4,450**	**10,600**	**6,010**	<15.0	NA	NA
	9/30/03 Dup	--	NA	**525**	**1,200**	**3,960**	6,270	**1,458**	<75.0	NA	NA
	1/23/04	--	NA	**789**	**1,840**	**5,360**	9,880	**4,113**	<15.0	NA	NA
	1/23/04 Dup	--	NA	**791**	**1,830**	**5,420**	9,530	**3,607**	<15.0	NA	NA
	5/13/04	--	NA	**175**	**643**	**1,450**	3,542	**885**	<30.0	NA	NA
MW2	3/7/00	(5)	NA	**530**	120	12	360	135	<1.2	1.2	sec-Butylbenzene 4.0 Isopropylbenzene 14 p-Isopropyltoluene 6.5 Methylene chloride 3.8 Naphthalene **40** n-Propylbenzene 21
	10/18/00	(6)	2,100	**510**	100	<8.0	88	138	<8.0	NA	NA
	2/7/02	(5)	NA	**560**	81	18	250	134	<1.0	NA	sec-Butylbenzene 2.4 Isopropylbenzene 13 p-Isopropyltoluene 4.4 Methylene chloride **7.5** Naphthalene 14 n-Propylbenzene 14 Styrene 17
	6/6/02	--	NA	**140**	39	7.1	99	76	<0.38	NA	NA
	11/25/02	--	NA	**343**	30.2	4.12	72.21	79.4	<1.50	NA	NA
	11/25/02 Dup	--	NA	**333**	29.4	3.80	70.23	76.9	<1.50	NA	NA
	02/14/03	--	NA	**259**	20.7	1.89	32.68	27.07	<1.50	NA	NA
	02/14/03 Dup	--	NA	**255**	20.4	1.95	29.86	25.43	<1.50	NA	NA

Table E-1
Groundwater Analytical Results Summary
City of Waterloo, 151 West Madison Street / Project #1367
(Results are in μg/kg, except where noted otherwise)

Sample	Date	Lab Notes	GRO	Benzene	Ethylbenzene	Toluene	Xylenes	TMBs	MTBE	Lead	Other VOCs
MW2 (cont.)	6/9/03	(9)	NA	**540**	52.5	5.11	85.42	74.1	<1.50	NA	NA
	9/30/03	--	NA	**454**	48.2	4.91	64.6	49.25	<3.00	NA	NA
	1/23/04	--	NA	**477**	56.1	5.17	82.49	57.05	<1.50	NA	NA
	5/13/04	--	NA	**543**	33.3	<3.0	85.53	62.18	<3.0	NA	NA
	5/13/04 (dup)	--	NA	**592**	39.6	<3.0	101.77	67.1	<3.0	NA	NA
MW3	3/7/00	--	NA	0.18	<0.25	<0.10	<0.25	<0.20	<0.25	<1.2	cis-1,2-Dichoroethene 13 trans-1,2-Dichloroethene 16 Tetrachloroethene **2.7** Trichloroethene **2.0** Vinyl chloride **1.4**
	10/18/00	(7)	21	<0.40	<0.40	<0.40	<1.1	<0.80	**62**	NA	NA
	2/7/02	--	NA	<0.10	<0.25	0.12	1.0	<0.10	<0.25	NA	cis-1,2-Dichoroethene 3.0 trans-1,2-Dichloroethene 4.4 Tetrachloroethene 0.44 Trichloroethene 0.31 Vinyl chloride **1.2**
	6/6/02	--	NA	<0.13	<0.22	<0.20	<0.23	<0.29	5.3	NA	NA
	11/25/02	--	NA	<0.31	<0.5	<0.3	<0.92	<0.71	<0.3	NA	NA
	02/14/03	--	NA	<0.31	<0.5	<0.3	<0.92	<0.71	<0.3	NA	NA
	6/9/03	--	NA	<0.31	<0.5	<0.3	<0.92	<0.71	<0.3	NA	NA
	9/30/03	--	NA	<0.31	<0.5	<0.3	<0.92	<0.71	<0.3	NA	NA
	1/23/04	--	NA	<0.31	<0.5	<0.3	<0.92	<0.71	<0.3	NA	NA
	5/13/04	--	NA	<0.31	<0.5	<0.3	<0.92	<0.71	<0.3	NA	NA

Table E-1
Groundwater Analytical Results Summary
City of Waterloo, 151 West Madison Street / Project #1367
(Results are in $\mu g/kg$, except where noted otherwise)

Sample	Date	Lab Notes	GRO	Benzene	Ethylbenzene	Toluene	Xylenes	TMBs	MTBE	Lead	Other VOCs
Trip Blank	6/17/99	--	<50	<0.13	<0.22	<0.20	<0.23	<0.51	<0.16	NA	NA
	3/7/00	(8)	NA	<0.10	<0.25	<0.10	<0.25	<0.20	<0.25	NA	Methylene chloride 0.41
	6/6/02	--	NA	<0.13	<0.22	<0.20	<0.23	<0.29	<0.16	NA	NA
	11/25/02	--	NA	<0.31	<0.5	<0.3	<0.92	<0.71	<0.3	NA	NA
	02/14/03	--	NA	<0.31	<0.5	<0.3	<0.92	<0.71	<0.3	NA	NA
	1/23/04	--	NA	<0.31	<0.5	<0.3	<0.92	<0.71	<0.3	NA	NA
NR 140 Enforcement Standards			NE	5	700	1,000	10,000	480	60	15	cis-1,2-Dichoroethene 70 trans-1,2-Dichloroethene 100 Methylene chloride 5 Naphthalene 40 **Tetrachloroethene 5** **Trichloroethene 5** Vinyl chloride 0.2
NR 140 Preventive Action Limits			NE	0.5	140	200	1,000	96	12	1.5	cis-1,2-Dichoroethene 7 trans-1,2-Dichloroethene 20 Methylene chloride 0.5 Naphthalene 8 **Tetrachloroethene 0.5** **Trichloroethene 0.5** Vinyl chloride 0.02

ABBREVIATIONS:
GRO = Gasoline Range Organics
VOCs = Volatile Organic Compounds
NE = No Standard Established
TMB = 1,2,4- and 1,3,5-Trimethylbenzene
NA = Not Analyzed
MTBE = Methyl-tert-butyl ether
ND = Not Detected

NOTE:
Bold = Concentration exceeds NR 140 enforcement standards.
TW-# (B-#) indicates a temporary well was installed into the boring indicated for groundwater sample collection

Table E-1
Groundwater Analytical Results Summary
City of Waterloo, 151 West Madison Street / Project #1367
(Results are in μg/kg, except where noted otherwise)

LABORATORY NOTES:

(1) Sediment present.
(2) Sediment present. GRO analysis - late eluting hydrocarbons present.
(3) Ethylbenzene, 1,2,4-TMB, and xylenes have estimated concentrations.
(4) GRO analysis - significant peaks were detected outside the chromatographic window. MTBE analysis - analyte averaged calibration criteria within acceptable limits, and value is in between LOD and LOQ.
(5) Methylene chloride - common lab solvent and contaminant. Surr: Dibromofluoromethane - standard outside of control limits.
(6) GRO analysis - significant peaks were detected outside the chromatographic window. PVOCs analysis - raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.
(7) GRO analysis - value is in between LOD and LOQ.
(8) Methylene chloride - common lab solvent and contaminant.
(9) Methyl t-Butyl Ether – Sample matrix spike recovery was high. Sample result may be biased high.

I:\1367\Reports\Tables.doc

Table C-1
Soil Analytical Results Summary - VOCs
City of Waterloo, 151 West Madison Street / Project #1367
(Results are in μg/kg, except where noted otherwise)

Sample	Date	Depth (feet)	Lab Notes	GRO (mg/kg)	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Lead (mg/kg)
B2/3	4/1/98	6-8	NA	35	<25	<23	<24	<75	<24	<24	<22	3.5
B2/4	4/1/98	8.5-10.5	NA	37	**820**	660	84	2,300	1,400	540	<44	3.1
B2-1	4/12/99	3-4	NA	**1,800**	<500	**27,000**	**25,000**	**150,000**	67,000	25,000	<500	6.1
B2-2	4/12/99	5-7	NA	3.1	<25	<25	<25	42	<25	<25	<25	NA
B2-3	4/12/99	7-8	NA	<3.0	<25	<25	<25	<50	<25	<25	<25	NA
B2-4	4/12/99	7-8	NA	<3.1	<25	<25	<25	<50	<25	<25	<25	NA
GP1	6/17/99	6	--	<6.1	<30	<30	<30	<91	<30	<30	<30	9.1
GP2	6/17/99	6	--	<5.8	<29	<29	<29	<88	<29	<29	<29	**538**
GP3	6/17/99	3	--	<5.7	<29	33	<29	<86	80	<29	<29	11
GP3	6/17/99	6	--	<5.7	<28	<28	<28	<85	<28	<28	<28	39
MeOH Blank	6/17/99	--	--	<5.0	<25	<25	<25	<75	<25	<25	<25	NA
NR 720 Generic Soil Cleanup Standards				100	5.5	2,900	1,500	4,100	NE	NE	NE	50
NR 746 Indicators of Residual Petroleum in Soil Pores				NE	8,500	4,600	38,000	42,000	83,000	11,000	NE	NE
NR 746 Values for Protection of Human Health from Direct Contact				NE	1,100	NE	NE	NE	NE	NE	NE	NE

ABBREVIATIONS:
GRO = Gasoline Range Organics
VOCs = Volatile Organic Compounds
TMB = Trimethylbenzene
NA = Not Analyzed
MTBE = Methyl-tert-butyl ether
NE = No Standard Established

NOTE:
Bold = Concentration exceeds NR 720 Generic RCL
Underlined = Concentration exceeds NR 746 Residual Petroleum Indicator Level

LABORATORY NOTES:
None

Table E-6
Water Level Summary
City of Waterloo, 151 West Madison Street / Project #1367
Waterloo, Wisconsin

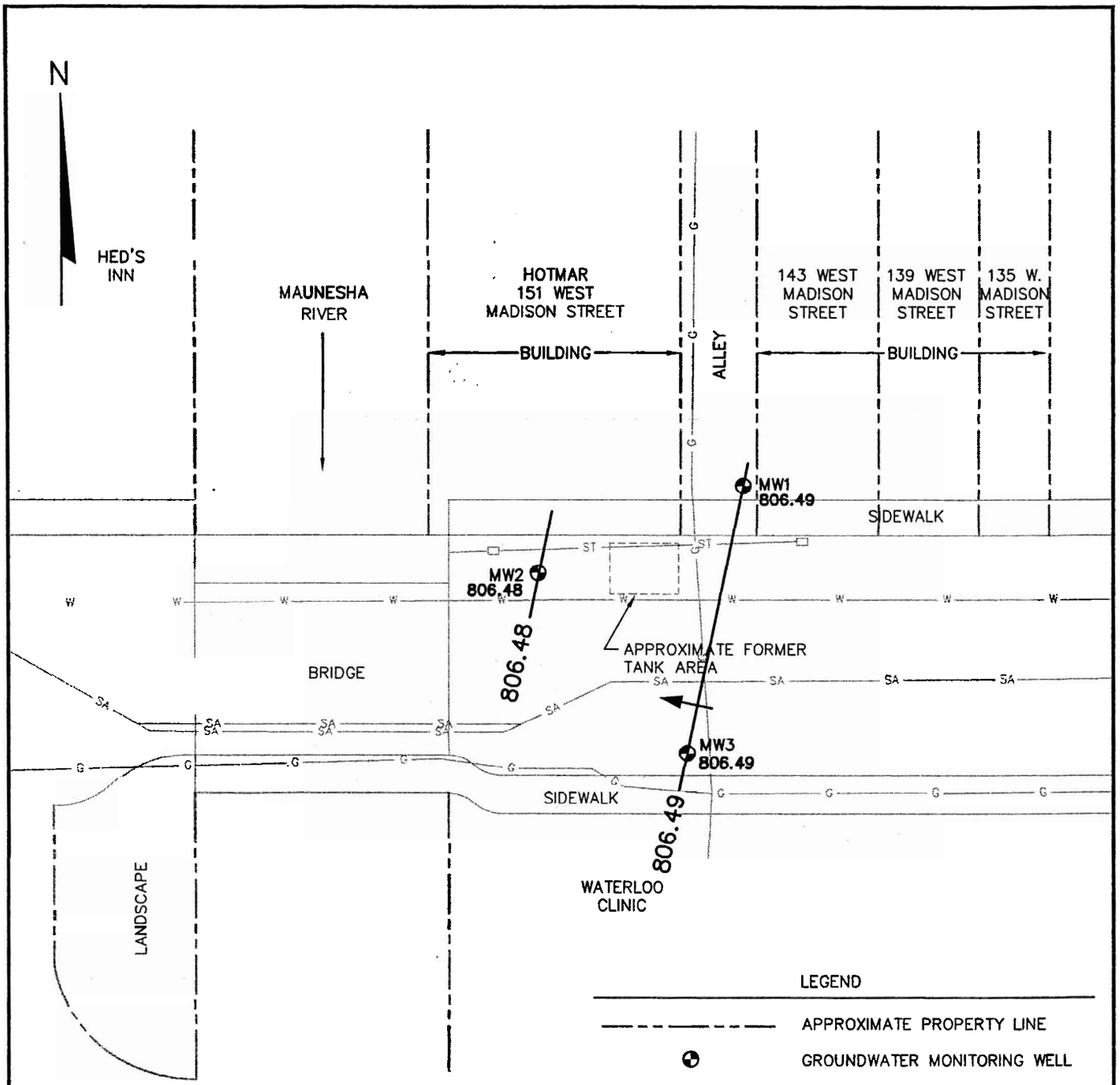
		Depth to Water in feet below top of well casing		
Raw Data		**MW1**	**MW2**	**MW3**
Measurement Date				
07-Feb-00	(1)	8.77	9.32	9.53
07-Mar-00		8.40	9.40	9.22
04-May-00		8.53	9.16	9.35
18-Oct-00		8.69	9.30	9.48
07-Feb-02		12.73	11.55	11.75
06-Jun-02		10.35	10.15	10.29
25-Nov-02		12.75	11.68	11.90
14-Feb-03		12.64	11.88	12.12
09-Jun-03		11.79	11.47	11.64
30-Sep-03		12.51	11.91	12.13
23-Jan-04		12.04	11.69	11.82
13-May-04		11.28	10.99	11.21

		Ground Water Elevation in feet relative to on-site benchmark (osb)(1)		
Well Number		**MW1**	**MW2**	**MW3**
Top of Casing Elevation (feet osb)		816.32	815.86	816.02
Measurement Date				
07-Feb-00	(1)	806.49	806.48	806.49
07-Mar-00		806.86	806.40	806.80
04-May-00		806.73	806.64	806.67
18-Oct-00		806.57	806.50	806.54
07-Feb-02		803.59	804.31	804.27
06-Jun-02		805.97	805.71	805.73
25-Nov-02		803.57	804.18	804.12
14-Feb-03		803.68	803.98	803.90
09-Jun-03		804.53	804.39	804.38
30-Sep-03		803.81	803.95	803.89
23-Jan-04		804.28	804.17	804.20
13-May-04		805.04	804.87	804.81

ABBREVIATIONS:
NM = not measured

NOTES:
(1) Water levels on 02/07/00 measured prior to development.
* - new survey data avilable - New benchmark DOT B-28-104 on bridge

I:\1367\Reports\[wlstat.xls]levels



LEGEND

— — — —	APPROXIMATE PROPERTY LINE
⊕	GROUNDWATER MONITORING WELL
—G—	GAS
—SA—	SANITARY SEWER
—ST—	STORM SEWER
—W—	WATER
806.49	WATER TABLE ELEVATION MEASURED ON 02/07/00
———	WATER TABLE CONTOUR
→	APPROXIMATE GROUNDWATER FLOW DIRECTION

NOTES:

1. GEOPROBE BORINGS AND MONITORING WELLS INSTALLED AND MAPPED BY BT2, INC.
2. SOIL BORINGS INSTALLED BY WISCONSIN DEPARTMENT OF TRANSPORTATION (WDOT). BORING LOCATIONS ARE BASED STRAND PHASE 2.5 INVESTIGATION REPORT DATED MAY 28, 1999.

30 0 30

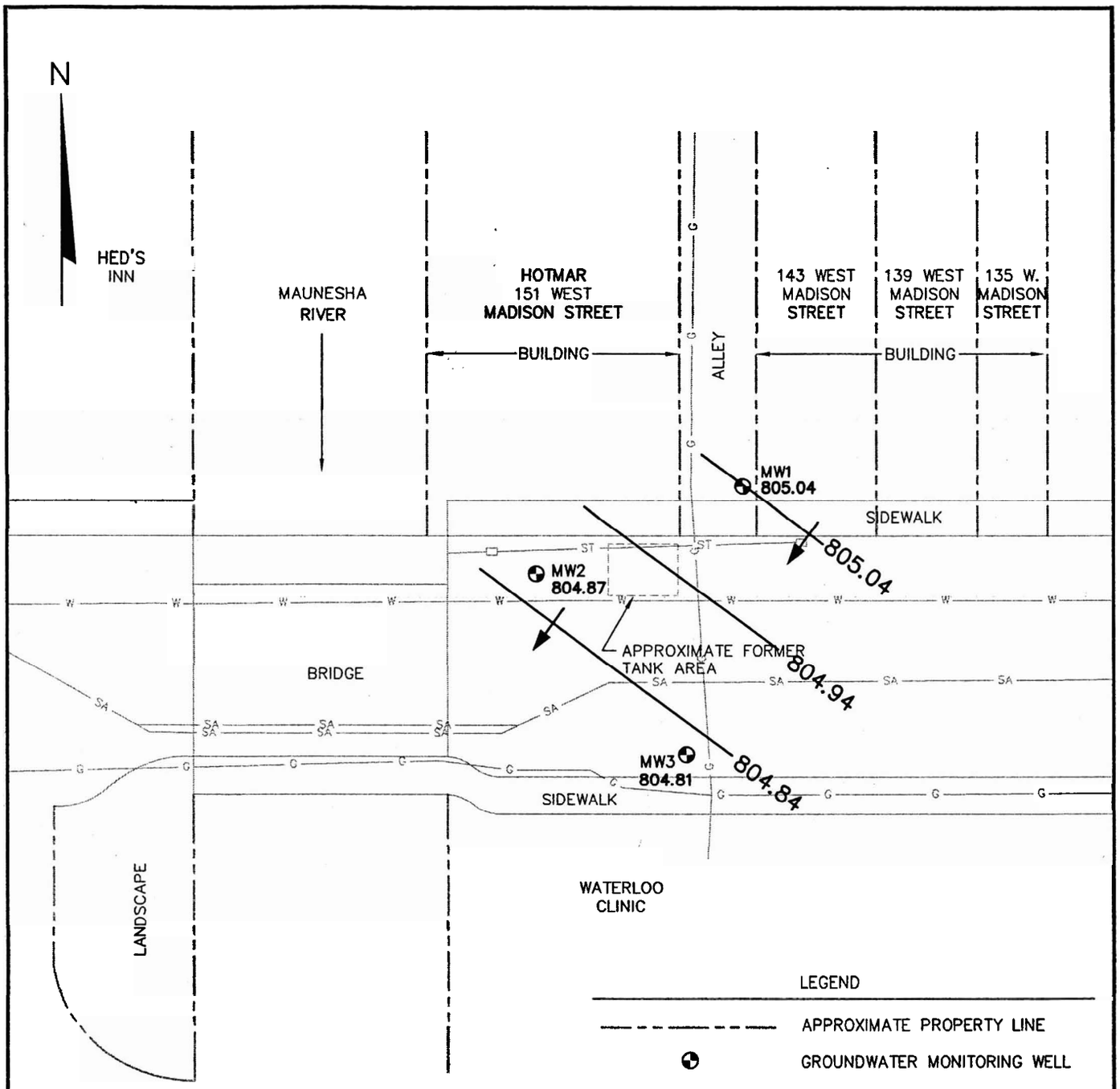
APPROXIMATE SCALE: 1" = 30'

PROJECT NO. 1367	
DRAWN BY: KP/DJ	
CHECKED BY: RL	
APPROVED BY:	
DRAWN: 04/26/99	
REVISED: 11/15/04	

FIGURE E-4
WATER TABLE ELEVATION MAP FEBRUARY 7, 2000
CITY OF WATERLOO
151 WEST MADISON STREET
WATERLOO, WISCONSIN

BT2 inc.

I:\1367\Figures-General\WTBL-FEB00.dwg, 11/17/2004 10:28:02 AM



LEGEND

— — — — —	APPROXIMATE PROPERTY LINE
⊕	GROUNDWATER MONITORING WELL
—— G ——	GAS
—— SA ——	SANITARY SEWER
—— ST ——	STORM SEWER
—— W ——	WATER
805.04	WATER TABLE ELEVATION MEASURED ON 04/29/04
———	WATER TABLE CONTOUR
→	APPROXIMATE GROUNDWATER FLOW DIRECTION

NOTES:

1. GEOPROBE BORINGS AND MONITORING WELLS INSTALLED AND MAPPED BY BT2, INC.
2. SOIL BORINGS INSTALLED BY WISCONSIN DEPARTMENT OF TRANSPORTATION (WDOT). BORING LOCATIONS ARE BASED STRAND PHASE 2.5 INVESTIGATION REPORT DATED MAY 28, 1999.

30 0 30

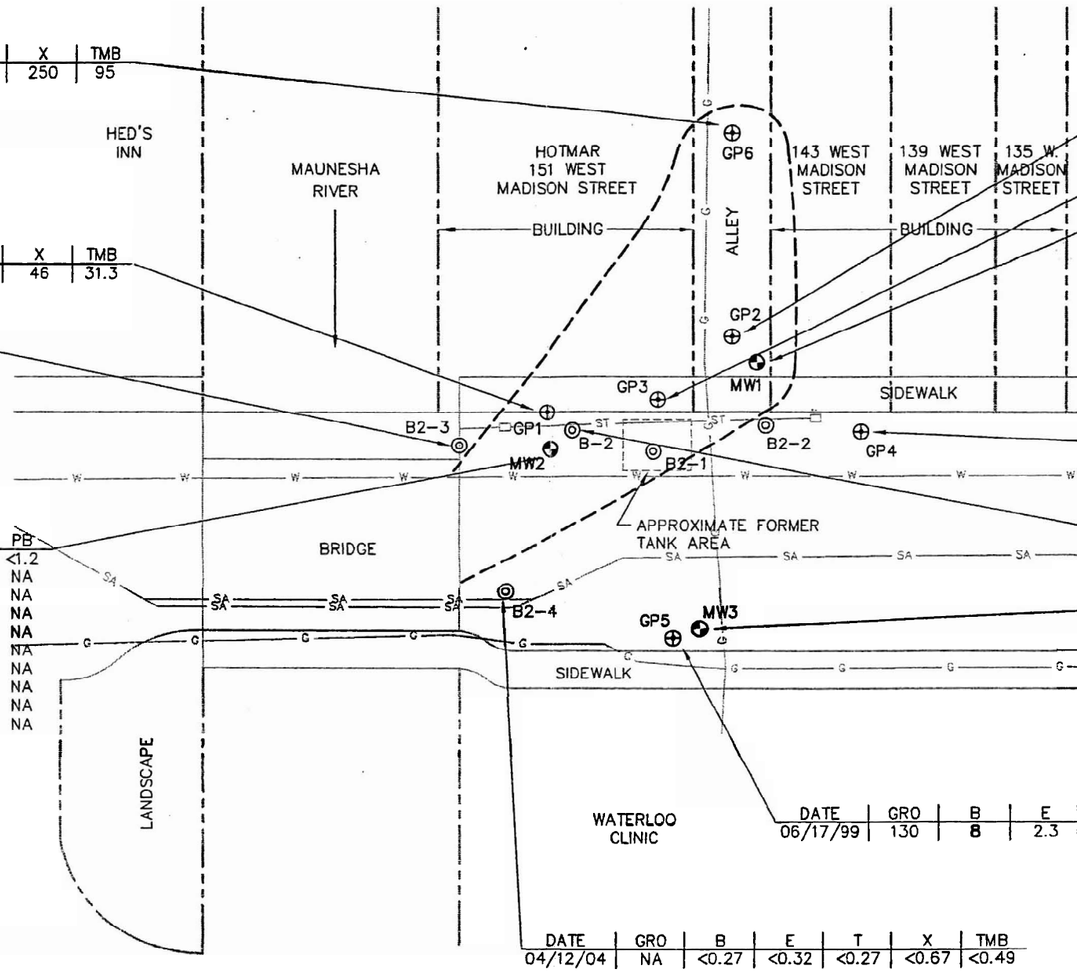
APPROXIMATE SCALE: 1" = 30'

PROJECT NO. 1367	
DRAWN BY: KP/DJ	
CHECKED BY: RL	
APPROVED BY:	
DRAWN: 04/26/99	
REVISED: 11/15/04	

FIGURE E-5
WATER TABLE ELEVATION APRIL 29, 2004
CITY OF WATERLOO
151 WEST MADISON STREET
WATERLOO, WISCONSIN

BT2 inc.

I:\1367\Figures-General\WTBL-APRIL04.dwg, 11/17/2004 10:28:34 AM



DATE	GRO	B	E	T	X	TMB
06/17/99	1,100	**37**	76	6.0	250	95

DATE	GRO	B	E	T	X	TMB
06/17/99	910	**240**	5.1	2.2	46	31.3

DATE	GRO	B	E	T	X	TMB
04/12/99	NA	<0.27	<0.32	<0.27	<0.67	<049

DATE	GRO	B	E	T	X	TMB
06/17/99	2,500	**36**	82	11	480	179

DATE	GRO	B	E	T	X	TMB
06/17/99	7,900	**250**	220	51	1,100	**540**

DATE	GRO	B	E	T	X	TMB	MTBE	PB
03/07/00	NA	**140**	**1,100**	570	4,800	**1,360**	<1.2	1.6
10/18/00	9,800	**61**	**940**	320	2,520	**1,390**	26	NA
02/07/02	NA	NA	NA	NA	NA	NA	NA	NA
06/06/02	NA	**710**	**1,500**	**5,100**	6,600	**1,880**	<6.4	NA
11/25/02	NA	NA	NA	NA	NA	NA	NA	NA
02/14/03	NA	**581**	**1,380**	**4,450**	6,480	**1,697**	<15.0	NA
06/09/03	NA	**527**	**1,070**	**3,040**	5,320	**1,504**	<3.00	NA
09/30/03	NA	**2,270**	**4,320**	**4,450**	**10,600**	**6,010**	<15.0	NA
01/23/04	NA	**789**	**1,840**	**5,360**	9,880	**4,113**	<15.0	NA
05/13/04	NA	**175**	643	**1,450**	3,542	**885**	<30.0	NA

DATE	GRO	B	E	T	X	TMB
06/17/99	93	1.1	2.6	1.1	10	7

DATE	GRO	B	E	T	X	TMB	MTBE
04/01/98	260	**300**	25	9	120	65	<4.5

DATE	GRO	B	E	T	X	TMB	MTBE	PB
03/07/00	NA	**530**	120	12	360	135	<1.2	<1.2
10/18/00	2,100	**510**	100	<8.0	88	138	<8.0	NA
02/07/02	NA	**560**	81	18	250	134	<1.0	NA
06/06/02	NA	**140**	39	**7.1**	**99**	**76**	**<0.38**	**NA**
11/25/02	NA	**343**	30.2	**4.12**	**72.21**	**79.4**	**<1.50**	**NA**
02/14/03	NA	**259**	20.7	1.89	32.68	27.07	<1.50	NA
06/09/03	NA	**540**	52.5	5.11	85.42	74.1	<1.50	NA
09/30/03	NA	**454**	48.2	4.91	64.6	49.25	<3.00	NA
01/23/04	NA	**477**	56.1	5.17	82.49	57.05	<1.50	NA
05/13/04	NA	**543**	33.3	<3.0	85.53	62.18	<3.00	NA

DATE	GRO	B	E	T	X	TMB	MTBE	PB
06/17/99	NA	0.18	<0.25	<0.10	<0.25	<0.20	<0.25	<1.2
10/18/00	21	<0.40	<0.40	<0.40	<1.1	<0.80	**62**	NA
02/07/02	NA	<0.10	<0.25	0.12	1.0	<0.10	<0.25	NA
06/06/02	NA	<0.13	<0.22	<0.20	<0.23	<0.29	5.3	NA
11/25/02	NA	<0.31	<0.5	<0.3	<0.92	<0.71	<0.3	NA
02/14/03	NA	<0.31	<0.5	<0.3	<0.92	<0.71	<0.3	NA
06/09/03	NA	<0.31	<0.5	<0.3	<0.92	<0.71	<0.3	NA
09/30/03	NA	<0.31	<0.5	<0.3	<0.92	<0.71	<0.3	NA
01/23/04	NA	<0.31	<0.5	<0.3	<0.92	<0.71	<0.3	NA
05/13/04	NA	<0.31	<0.5	<0.3	<0.92	<0.71	<0.3	NA

DATE	GRO	B	E	T	X	TMB
06/17/99	130	**8**	2.3	1.1	11	10.2

DATE	GRO	B	E	T	X	TMB
04/12/04	NA	<0.27	<0.32	<0.27	<0.67	<0.49

LEGEND

— — — — — —	APPROXIMATE PROPERTY LINE
⊕	GROUNDWATER MONITORING WELL
⊕	GEOPROBE INSTALLED BY BT2, INC.
◎	SOIL BORING INSTALLED BY WDOT
—G—	GAS
—SA—	SANITARY SEWER
—ST—	STORM SEWER
—W—	WATER
GRO	GASOLINE RANGE ORGANICS (ug/l)
B	BENZENE (ug/l)
E	ETHYLBENZENE (ug/l)
T	TOLUENE (ug/l)
X	XYLENE (ug/l)
TMBS	1,2,4-AND 1,3,5-TRIMETHYLBENZENE (ug/l)
MTBE	METHYL-TERT-BUTYL ETHER (ug/l)
PB	LEAD (ug/l)
— — — — —	APPROXIMATE EXTENT OF NR 140 ENFORCEMENT STANDARD EXCEEDANCES

NOTES:

1. GEOPROBE BORINGS AND MONITORING WELLS INSTALLED AND MAPPED BY BT2, INC.
2. SOIL BORINGS INSTALLED BY WISCONSIN DEPARTMENT OF TRANSPORTATION (WDOT). BORING LOCATIONS ARE BASED STRAND PHASE 2.5 INVESTIGATION REPORT DATED MAY 28, 1999.
3. BOLD RESULTS INDICATE AN EXCEEDANCE OF THE NR 140 GROUNDWATER ENFORCEMENT STANDARDS

30 0 30

APPROXIMATE SCALE: 1" = 30'

NR 140 GROUNDWATER ENFORCEMENT STANDARDS

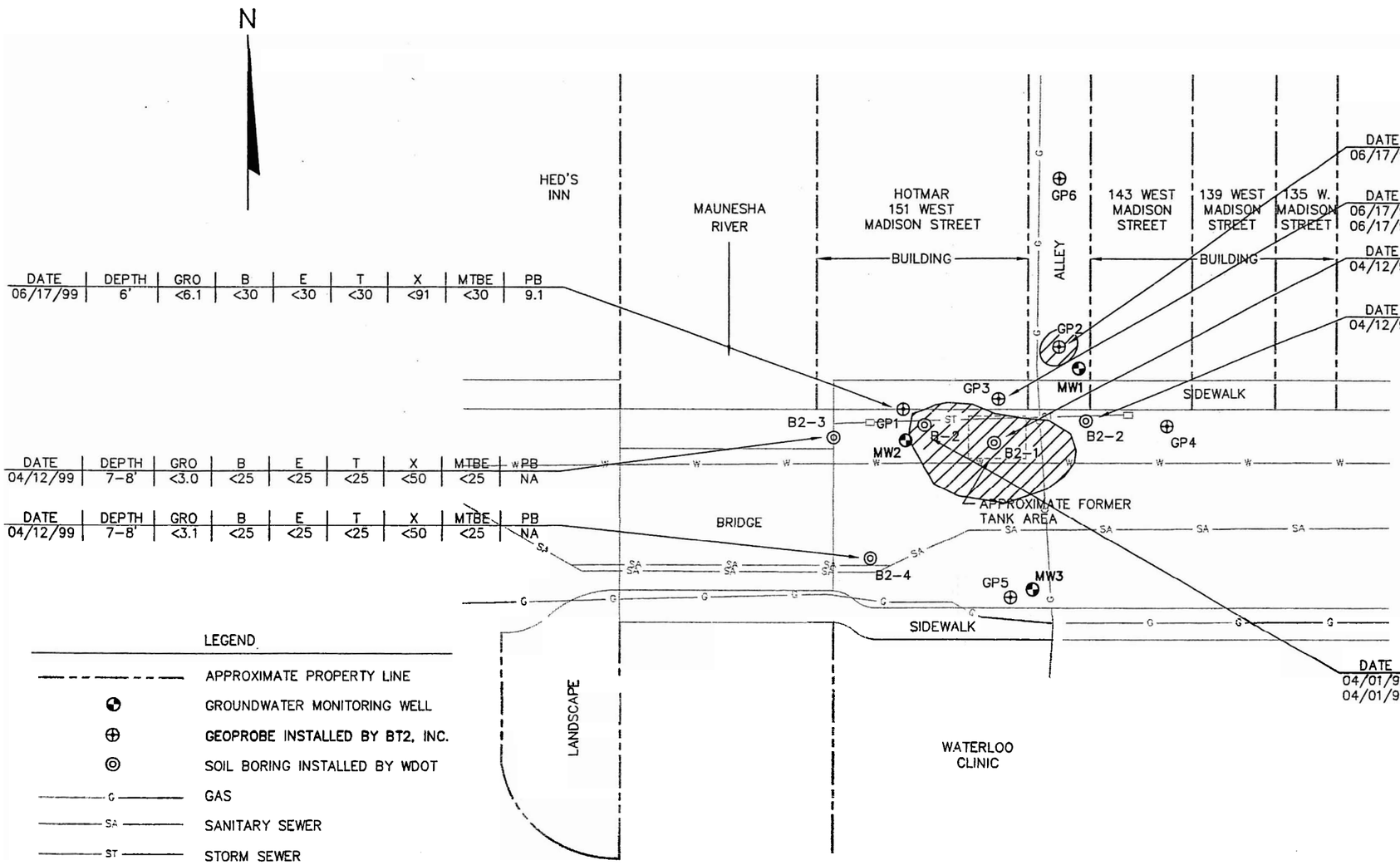
GRO	B	E	T	X	TMB	MTBE	PB
NONE	5	700	1,000	10,000	480	60	15

FIGURE E-3
GROUNDWATER ANALYTICAL RESULTS
CITY OF WATERLOO
151 WEST MADISON STREET
WATERLOO, WISCONSIN

PROJECT NO.	1367
DRAWN BY:	KP/DJ/CS/TK
CHECKED BY:	TB/TK
APPROVED BY:	
DRAWN:	04/26/99
REVISED:	11/15/04

BT2 inc.

I:\1367\Figures-General\RSLT-W.dwg, 11/17/2004



DATE	DEPTH	GRO	B	E	T	X	MTBE	PB
06/17/99	6'	<6.1	<30	<30	<30	<91	<30	9.1

DATE	DEPTH	GRO	B	E	T	X	MTBE	PB
04/12/99	7-8'	<3.0	<25	<25	<25	<50	<25	NA

DATE	DEPTH	GRO	B	E	T	X	MTBE	PB
04/12/99	7-8'	<3.1	<25	<25	<25	<50	<25	NA

DATE	DEPTH	GRO	B	E	T	X	MTBE	PB
06/17/99	6'	<5.8	<29	<29	<29	<28	<29	**538**

DATE	DEPTH	GRO	B	E	T	X	MTBE	PB
06/17/99	3'	<5.7	<29	33	<29	<86	<29	11
06/17/99	6'	<5.7	<28	<28	<29	<85	<28	39

DATE	DEPTH	GRO	B	E	T	X	MTBE	PB
04/12/99	3-4'	**1,800**	<500	**27,000**	**25,000**	**150,000**	<500	6.1

DATE	DEPTH	GRO	B	E	T	X	MTBE	PB
04/12/99	5-7'	3.1	<25	<25	<25	<50	<25	NA

DATE	DEPTH	GRO	B	E	T	X	MTBE	PB
04/01/98	6-8'	35	<25	<23	<24	<75	<22	3.5
04/01/98	8.5-10.5'	37	**820**	660	84	2,300	<44	3.1

30 0 30

APPROXIMATE SCALE: 1" = 30'

LEGEND

— — — —	APPROXIMATE PROPERTY LINE
◉	GROUNDWATER MONITORING WELL
⊕	GEOPROBE INSTALLED BY BT2, INC.
◎	SOIL BORING INSTALLED BY WDOT
—G—	GAS
—SA—	SANITARY SEWER
—ST—	STORM SEWER
—W—	WATER
GRO	GASOLINE RANGE ORGANICS (mg/kg)
B	BENZENE (ug/kg)
E	ETHYLBENZENE (ug/kg)
T	TOLUENE (ug/kg)
X	XYLENE (ug/kg)
MTBE	METHYL TERT BUTYL ETHER (ug/kg)
PB	LEAD (mg/kg)
▨	APPROXIMATE EXTENT OF SOIL EXCEEDING NR 720 STANDARDS

NOTES:

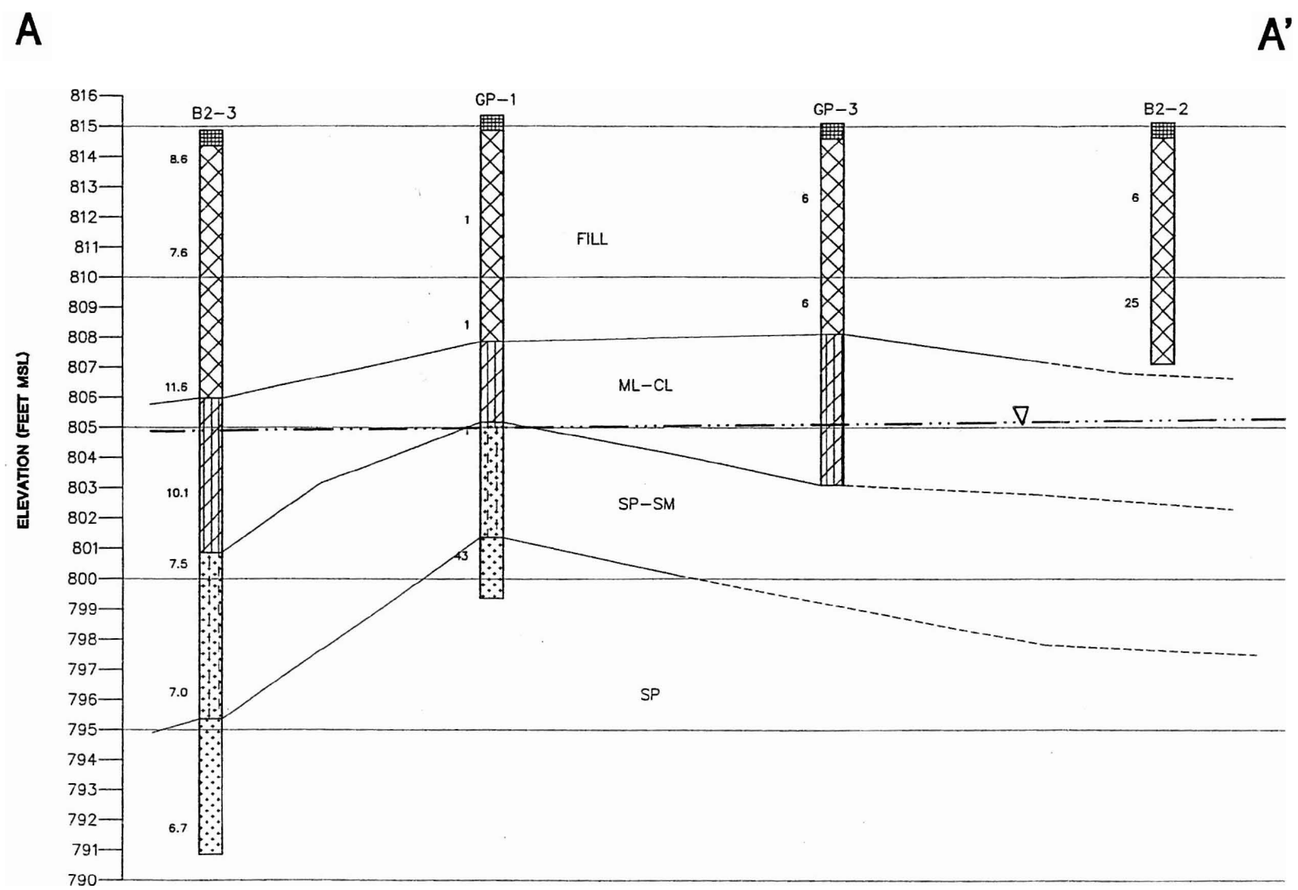
1. GEOPROBE BORINGS AND MONITORING WELLS INSTALLED AND MAPPED BY BT2, INC.
2. SOIL BORINGS INSTALLED BY WISCONSIN DEPARTMENT OF TRANSPORTATION (WDOT). BORING LOCATIONS ARE BASED STRAND PHASE 2.5 INVESTIGATION REPORT DATED MAY 28, 1999.
3. BOLD RESULTS INDICATE AN EXCEEDANCE OF THE GENERIC NR 720 SOIL CLEANUP STANDARDS

FIGURE C-2
SOIL ANALYTICAL RESULTS MAP
CITY OF WATERLOO
151 WEST MADISON STREET
WATERLOO, WISCONSIN

PROJECT NO. 1367	
DRAWN BY: KP/DJ/CS	
CHECKED BY: TB/TK	
APPROVED BY:	
DRAWN: 04/26/99	
REVISED: 11/15/04	

BT2 inc.

I:\1367\Figures-General\RSLT-S.dwg, 11/17/2004 10:31:58 AM



LEGEND

- FILL.
- SILTY CLAY (ML-CL).
- SAND, POORLY GRADED WITH SILT FINES (SP-SM).
- SAND, POORLY GRADED, LITTLE OR NO FINES (SP).
- APPROXIMATE WATER TABLE ELEVATION
- 25 FLAME IONIZATION DETECTOR READING

10 0 10

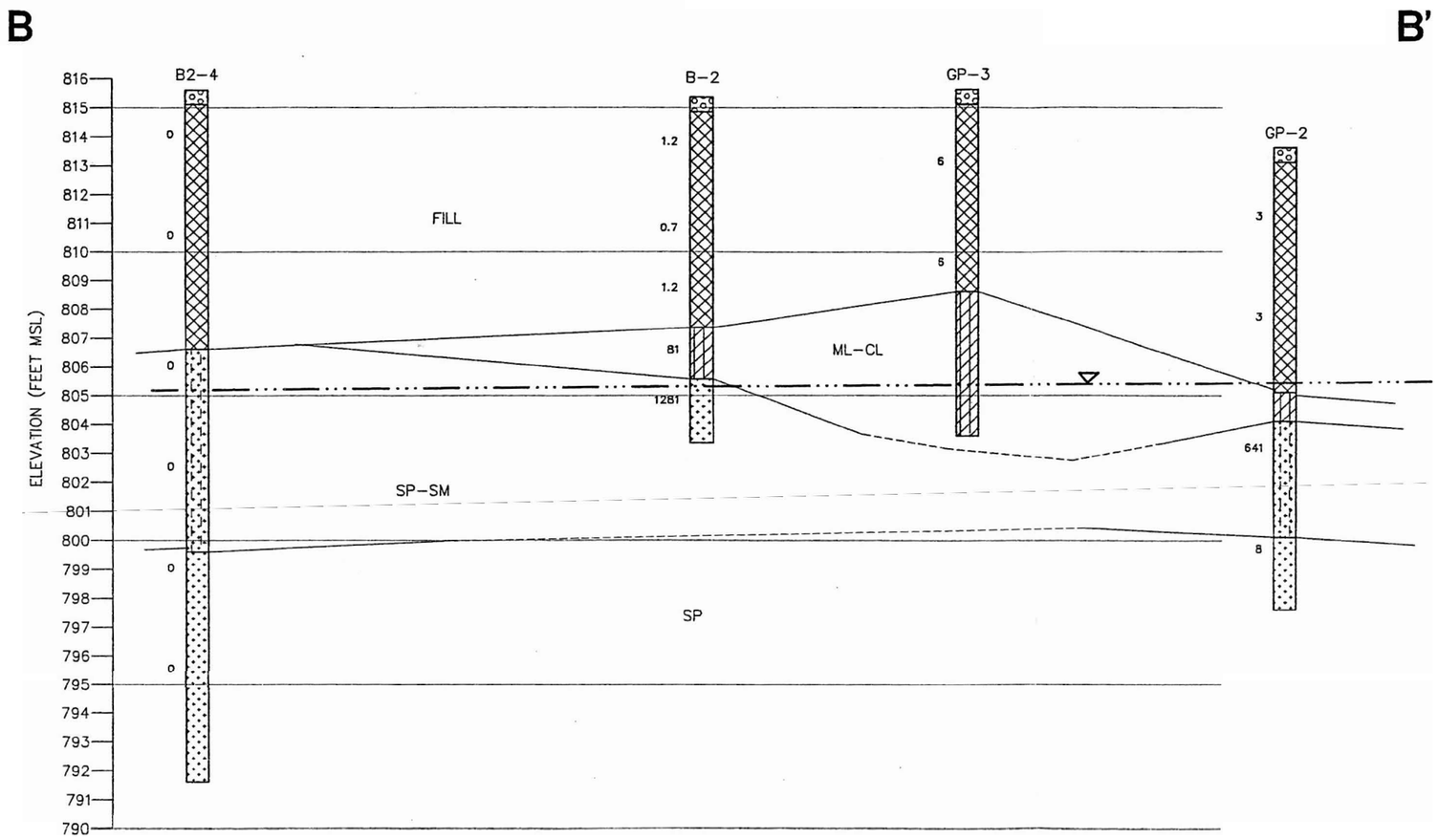
SCALE: 1" = 10'

VERTICAL EXAGGERATION = 2X

FIGURE C-3
GEOLOGIC CROSS SECTION A-A'
151 WEST MADISON STREET
WATERLOO, WISCONSIN

PROJECT NO. 1367	
DRAWN BY: CS/TK	
CHECKED BY: RL	
APPROVED BY:	
DRAWN: 02/06/01	
REVISED: 11/15/04	

I:\1367\Figures-General\XSECC_A.dwg, 11/15/2004



LEGEND

FILL.

SILTY CLAY (ML-CL).

SAND, POORLY GRADED WITH SILT FINES (SP-SM).

SAND, POORLY GRADED, LITTLE OR NO FINES (SP).

APPROXIMATE WATER TABLE ELEVATION

25 FLAME IONIZATION DETECTOR READING

10 0 10

SCALE: 1" = 10'

VERTICAL EXAGGERATION = 2X

FIGURE C-4
GEOLOGIC CROSS SECTION B-B'
151 WEST MADISON STREET
WATERLOO, WISCONSIN

PROJECT NO. 1367	
DRAWN BY: CS/TK	
CHECKED BY: TK	
APPROVED BY:	
DRAWN: 02/06/01	
REVISED: 11/15/04	

BT² inc.

I:\1367\Fig as-G ne al\XSE C_B.dwg, 11/17/2004 10:32:17 AM

November 17, 2004

To: Wisconsin Department of Natural Resources

Subject: Statement that all Legal Descriptions for Properties within the
Contaminated Site Boundaries have been Included
City of Waterloo Right-of-Way
Petroleum Underground Storage Tank Site
Adjacent to 151 West Madison Street, Waterloo, WI 53594
Commerce #53594-1319-51
BRRTS # 03-28-202879
BT^2 Project #1367

To Whom it May Concern:

To the best of my knowledge, I believe that with the submittal of the attached property information the legal description for each property within, or partially within the contaminated site boundary has been included with the closure request.

The attached property information includes:

- Deed for 12-foot right-of-way property located between 151 West Madison Street and 143 West Madison Street properties.
- Plat of Survey, Part of Lots 1 and 2, Block 2 of plat of the First Addition to the Village (now City) of Waterloo, Jefferson County, Wisconsin.

If you need additional information, please contact me at (920) 478-3025.

Sincerely,

Morton J. Hanson, Jr.
City Clerk-Treasurer