GIS REGISTRY INFORMATION

SITE NAME:	Fannie P Lewis Park					
BRRTS #:	03-14-368576			**FID #** (if appropriate):		
COMMERCE # (if appropriate):	53098-2751-13					
CLOSURE DATE:	February 11, 2005					
STREET ADDRESS:	513 N Water St					
CITY:	Watertown					
SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection):	**X =**	623516		**Y =**	303810	
CONTAMINATED MEDIA:	Groundwater		Soil	X	Both	
OFF-SOURCE GW CONTAMINATION >ES:		Yes			No	
• **IF YES, STREET ADDRESS:**						
• **GPS COORDINATES** (meters in WTM91 projection):	**X =**			**Y =**		
OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL):		Yes		No		
• **IF YES, STREET ADDRESS 1:**						
• **GPS COORDINATES** (meters in WTM91 projection):	**X =**			**Y =**		
CONTAMINATION IN RIGHT OF WAY:	Yes			No		

DOCUMENTS NEEDED

Closure Letter, and any conditional closure letter issued	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	
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)	
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.**	
GW: Table of water level elevations, with sampling dates, and free product noted if present	
GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)	
SOIL: Latest horizontal extent of contamination exceeding generic or 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)	
Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)	
Copy of (soil or land use) deed restriction (s) or deed notice if any required as a condition of closure	

commerce.wi.gov
Wisconsin
Department of Commerce

ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
101 West Pleasant Street, Suite 100A
Milwaukee, Wisconsin 53212-3963
TDD #: (608) 264-8777
Fax #: (414) 220-5374
Jim Doyle, Governor
Mary P. Burke, Secretary

February 11, 2005

Mr. Peter Thompson
City of Watertown
P.O. Box 477
Watertown, WI 53094-0477

RE: **Final Closure**

Commerce # 53098-2751-13 WDNR BRRTS # 03-14-368576
Fannie P Lewis Park, 513 N. Water St., Watertown

Dear Mr. Thompson:

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

As stated in Commerce's December 30, 2004 Conditional Case Closure letter:

During the final groundwater sampling event conducted in June 2004, the preventive action limits (PAL) for benzene (0.5 µg/L) and lead (1.5 µg/L) were exceeded at monitoring well MW-3 (1.56 µg/L and 1.85 µg/L, respectively), and the PAL for lead was exceeded in MW-4 (4.41 µg/L). Commerce is issuing a **PAL exemption**, per NR 140.28(2), Wis. Adm. Code, for benzene and lead in the immediate area of the former underground storage tank basin at the property referenced above.

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

Thank you for your efforts to bring this case to closure. If you have any questions, please contact me in writing at the letterhead address or by telephone at (414) 220-5402.

Sincerely,

Stephen D. Mueller
Hydrogeologist
Site Review Section

cc: Mr. Steven Thuemling, Giles Engineering Associates, Inc.
Case File

DOCUMENT NO. FEE #2 EXEMPT

VOL 306 PAGE 611

WARRANTY DEED

STATE BAR OF WISCONSIN FORM 2 — 1982

THIS SPACE RESERVED FOR RECORDING DATA

4 FEB 21 8 45 AM '83 654874

Document # _____
Received this 21 day of Feb. 1983 at 8:45 a.M.
and recorded in Vol. 362 of Records Page 611
Roger E. Hill
REGISTER OF DEEDS, DODGE CO.

RETURN TO
Dierker, Bender & Levi, S.C.

David B. Nielsen & William D. O'Brien, d/b/a Nielsen & O'Brien Enterprises, a partnership

conveys and warrants to City of Watertown, a Wisconsin Municipal Corporation

the following described real estate in Dodge County, State of Wisconsin:

Tax Parcel No: .....

All of Block 4 Dennis' Emmett Addition to City of Watertown (also known as Emmet's Addition); together with a joint right of way over so much of the adjacent lands immediately to the North thereof, as lie South of the North line of Elm Street extended to the West bank of the Rock River. Said right of way to be used by the parties hereto, and their successors in interest.

Exempt under Wisconsin Statutes Section 77.25 (2)

RECEIVED
3/1/83
BERNICE E. ERTL, CITY CLERK

This is not (is) (is not) homestead property.

Exception to warranties: Highway and utility easements of record.

Dated this 16th day of February, 19 83

David B. Nielsen (SEAL)
* David B. Nielsen

William D. O'Brien (SEAL)
* William D. O'Brien

(SEAL)
*

(SEAL)
*

AUTHENTICATION

Signature(s) David B. Nielsen & William D. O'Brien

authenticated this 16th day of February, 1983

Robert A. Bender
* Robert A. Bender

TITLE: MEMBER STATE BAR OF WISCONSIN

(If not, authorized by § 706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY
ATTORNEY ROBERT A. BENDER

(Signatures may be authenticated or acknowledged. Both are not necessary.)

ACKNOWLEDGMENT

STATE OF WISCONSIN } ss.
County.

Personally came before me this ..... day of ....., 19..... the above named

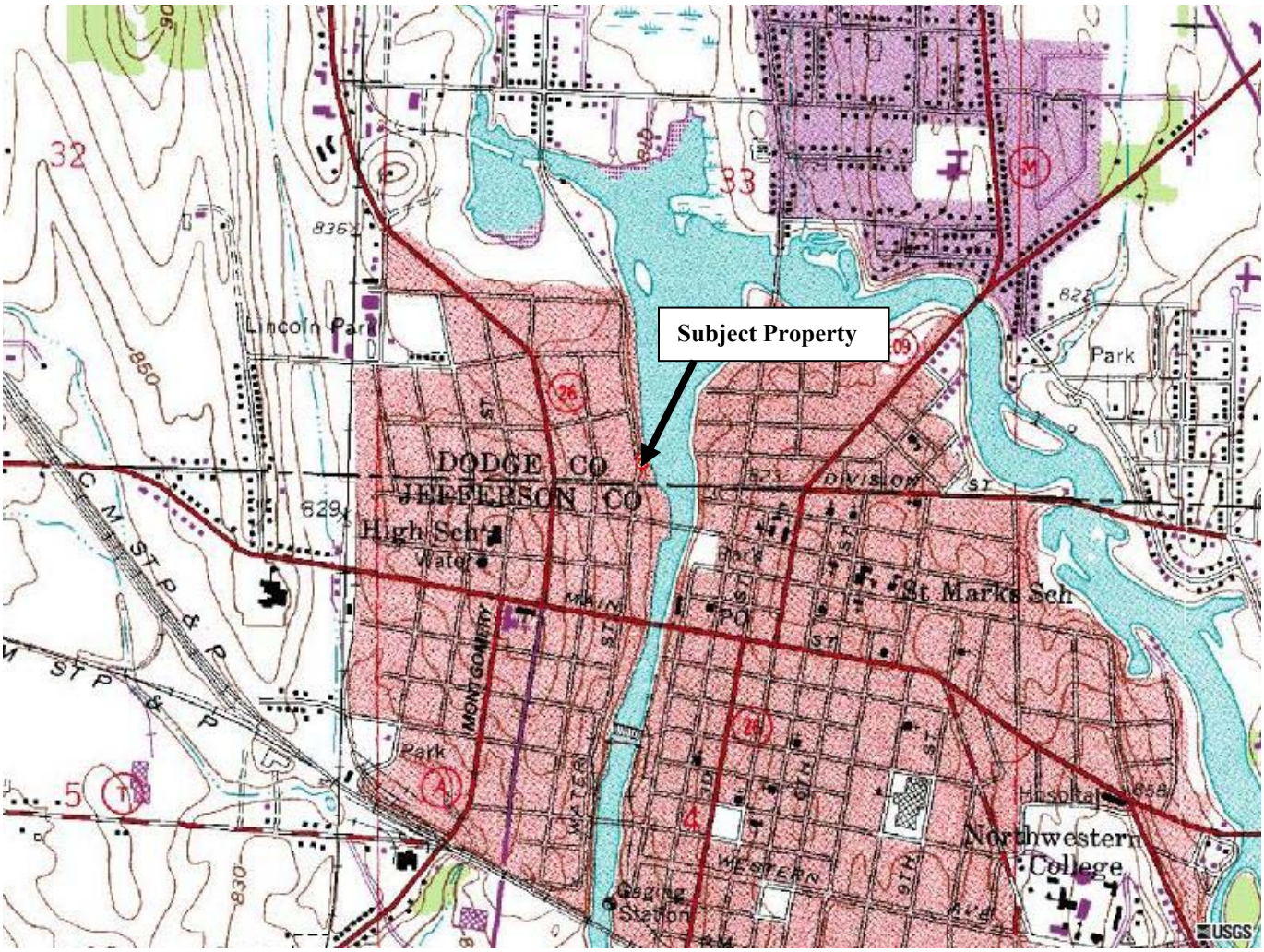
to me known to be the person ..... who executed the foregoing instrument and acknowledge the same.

*

Notary Public ..... County, Wis.
My Commission is permanent. (If not, state expiration date: ....., 19.....)

*Names of persons signing in any capacity should be typed or printed below their signatures.

The Parcel ID Number is: 14-291-0915-3334-017



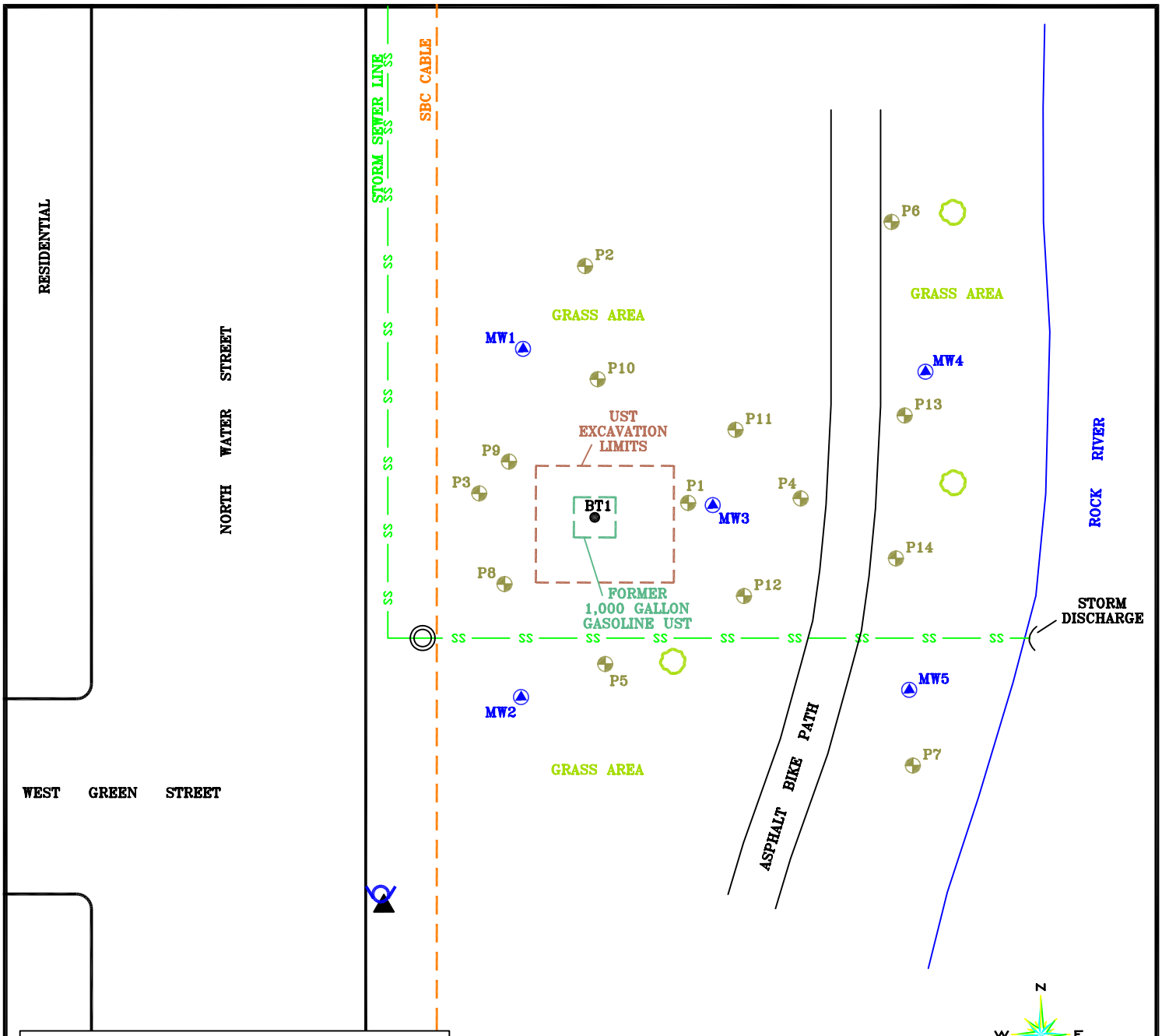
Source: USGS

Scale: 1:600 meters

FIGURE 1 SITE LOCATION

Fannie P. Lewis Park
513 North Water Street
Watertown, Wisconsin
Project No. 1E-0212011

GILES
ENGINEERING ASSOCIATES, INC.



LEGEND:

- CURB LINE
- P1 — SOIL BORING
- BT1 — SOIL SAMPLE
- MW1 — GROUNDWATER MONITORING WELL
- SS — STORM SEWER LINE
- MANHOLE
- FIRE HYDRANT
- TREE
- SBC CABLE
- UST EXCAVATION LIMIT
- FORMER UST
- BENCHMARK: TOP OF HYDRANT NUT ELEVATION = 816.33'

GILES ENGINEERING ASSOCIATES, INC.
N8 W22350 JOHNSON DRIVE, SUITE A1
WAUKESHA, WI 53186 (262)-544-0118

FIGURE 2
SITE FEATURES, SOIL BORING/ MONITORING WELL LOCATION PLAN
FANNIE P. LEWIS PARK
513 NORTH WATER STREET
WATERTOWN, WISCONSIN

DESIGNED	DRAWN	APPROVED	SCALE	DATE
SCT	JSZ	X	1'=20'	10-15-04
PROJECT NO.: 1E-0212011			CAD No. E2120112	

Table 2
Soil Analytical Results

Fannie P. Lewis Park
513 North Water Street
Watertown, Wisconsin
Project No. 1E-0212011

Analyte	Test Boring Numbers														NR 720.09 RCLs	NR 746.06 Table 1 (Product Indicator)	NR 746.06 Table 2 (Direct Contact)
	P-1		P-2		P-3		P-4		P-5		P-6	P-7	P-8				
Sample Depth (feet)	2-4	6-8	2-4	6-8	2-4	6-8	2-4	4-6	2-4	6-8	4-6	4-6	2-4	6-8			
Sample Date	8/7/2003	8/7/2003	8/7/2003	8/7/2003	8/7/2003	8/7/2003	8/7/2003	8/7/2003	8/7/2003	8/7/2003	8/7/2003	8/7/2003	10/31/03	10/31/03			
PID	500	300	BDL	BDL	BDL	BDL	225	100	BDL	BDL	BDL	BDL	BDL	BDL			
GRO (mg/kg)	**2,920**	NA	28	<5.5	57	<6.0	**3,230**	<6.8	12	<5.8	<6.1	<6.1	NA	NA	100	NS	NS
Lead (mg/kg)	38	NA	**110**	11	19	14	**207**	15	**63**	11	NA	9.8	**132**	10	50	NS	NS
Detected VOCs/PVOCs (ug/kg)																	
1,2,4-Trimethylbenzene	**#95,400#**	1,240	323	<28	279	<30	**#245,000#**	77	192	<29	NA	<31	<30	<28	NS	83,000	NS
1,3,5-Trimethylbenzene	**#29,200#**	362	120	<28	319	<30	**#46,500#**	<34	57	<29	NA	<31	<30	<28	NS	11,000	NS
Benzene	**(#25,800#)**	**1,810**	**156**	<28	**465**	<30	**(<1,550)**	**257**	**57**	<29	NA	<31	<30	<28	5.5	8,500	1,100
Ethylbenzene	**#87,500#**	1,100	395	<28	531	<30	**#28,400#**	<34	139	<29	NA	<31	<30	<28	2,900	4,600	NS
Toluene	**4,940**	271	335	<28	611	<30	**1,680**	<34	100	<29	NA	<31	<30	<28	1,500	38,000	NS
Xylenes	**#213,000#**	2,260	837	<83	1,860	<89	**#77,500#**	110	320	<87	NA	<92	<42	<39	4,100	42,000	NS
Methyl-t-butyl ether	<561	<28	<30	<28	<33	<30	<1,550	<34	<27	<29	NA	<31	<30	<28	NS	NS	NS
Naphthalene	NA	542	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<30	<28	NS	2,700	NS
Isopropylbenzene	NA	56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS
n-Propylbenzene	NA	203	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS

NOTES:

PID: Photoionization Detector
VOCs: Volatile Organic Compounds
BDL: Below Detection Limit
RCLs: Residual Contaminant Levels
mg/kg: Milligrams per kilogram; equivalent to parts per million (ppm)
NA: Not Analyzed

GRO: Gasoline Range Organics
PVOCs: Petroleum Volatile Organic Compounds
NS: No Established Standard
NR: Natural Resources Chapter of the Wisconsin Administrative Code (WAC)
ug/kg: Micrograms per kilogram; equivalent to parts per billion (ppb)

VOC/PVOC results indicated in red/underlined exceed the WAC NR 720.09 Generic RCL Based on Groundwater Protection
VOC/PVOC results indicated in brown/#.....# exceed the WAC NR 746.06 Table 1 Residual Petroleum Product in Soil Pores Screening Levels.
VOC/PVOC results indicated in brown/#.....#/parenthesis exceed the WAC NR 746.06 Table 1 and Table 2 Direct Contact Levels.
VOC/PVOC results in green/paranthesis exceed the WAC NR 746.06 Table 2 Direct Contact Soil Contaminant Concentration
Lead results indicated in red/underlined exceed the WAC NR 720.11 direct contact RCL for Non-Industrial use. (Soils shallower than 4')

Table 2 (Continued)
Soil Analytical Results

Fannie P. Lewis Park
513 North Water Street
Watertown, Wisconsin
Project No. 1E-0212011

Analyte	Test Boring Numbers																	NR 720.09 RCLs	NR 746.06 Table 1 (Product Indicator)	NR 746.06 Table 2 (Direct Contact)
	P-9		P-10		P-11		P-12		P-13		P-14		MW-1		MW-2	MW-4	MW-5			
Sample Depth (feet)	2-4	6-8	2-4	6-8	2-4	6-8	2-4	6-8	2-4	6-8	2-4	6-8	2-4	6-8	2-4	2-4	2-4			
Sample Date	10/31/03	10/31/03	10/31/03	10/31/03	10/31/03	10/31/03	10/31/03	10/31/03	10/31/03	10/31/03	10/31/03	10/31/03	12/17/03	12/17/03	12/17/03	12/17/03	12/17/03			
PID	BDL	BDL	BDL	BDL	39	9	71.9	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			
Lead (mg/kg)	11	10	12	10	**110**	**110**	**269**	10	39	11	**447**	14	8.5	8.6	9.2	15	30	50	NS	NS
PVOCs (ug/kg)																				
1,2,4-Trimethylbenzene	<30	<28	45	<31	4,380	<34	20,500	916	<27	<35	<33	<29	<31	<28	<27	<28	52	NS	83,000	NS
1,3,5-Trimethylbenzene	<30	<28	38	<31	1,840	<34	7,310	226	<27	<35	<33	<29	<31	<28	<27	<28	<29	NS	11,000	NS
Benzene	<30	<28	<28	<31	<288	<34	**(5,130)**	**871**	<27	<35	<33	<29	<31	<28	<27	<28	<29	5.5	8,500	1,100
Ethylbenzene	<30	<28	<28	<31	<288	<34	<321	136	<27	<35	<33	<29	<31	<28	<27	<28	<29	2,900	4,600	NS
Toluene	<30	<28	<28	<31	<288	<34	<321	<28	<27	<35	<33	<29	<31	<28	<27	<28	<29	1,500	38,000	NS
Xylenes	<42	<39	83	<43	<403	<48	2,820	633	<37	<49	<46	<41	<43	<39	<38	<40	<41	4,100	42,000	NS
Methyl-t-butyl ether	<30	<28	<28	<31	<288	<34	<321	<28	<27	<35	<33	<29	<31	<28	<27	<28	<29	NS	NS	NS
Naphthalene	<30	<28	135	<31	**# 3,000 #**	<34	**# 4,620 #**	317	<27	<35	<33	<29	<31	<28	<27	<28	<29	NS	2,700	NS

NOTES:

NR: Natural Resources Chapter of the Wisconsin Administrative Code (WAC)
PVOCs: Petroleum Volatile Organic Compounds
mg/kg: Milligrams per kilogram; equivalent to parts per million (ppm)
ug/kg: Micrograms per kilogram; equivalent to parts per billion (ppb)
PID: Photoionization Detector
BDL: Below Detection Limit
NS: No Established Standard
RCLs: Residual Contaminant Levels

VOC/PVOC results in green parenthesis exceed the WAC NR 746.06 Table 2 Direct Soil Contaminant Concentration
VOC/PVOC results indicated in red/underlined exceed the WAC NR 720.09 Generic RCL Based on Groundwater Protection
VOC/PVOC results indicated in brown/#.....# exceed the WAC NR 746.06 Table 1 Residual Petroleum Product in Soil Pores Screening Levels.
Lead results indicated in red/underlined exceed the WAC NR 720.11 direct contact RCL for Non-Industrial use. (Soils shallower than 4')

Table 6
Soil Analytical Results-Excavation Confirmation Samples

Fannie P. Lewis Park
513 North Water Street
Watertown, Wisconsin
Project No. 1E-0212011

Analytes		SAMPLING LOCATIONS													WAC NR 720.09 Generic RCLs	NR 746.06 Table 1 Product Indicator	NR 746.06 Table 2 Direct Contact
		S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8	S-9	S-10	S-11	T1 (Truck)	T2 (Truck)			
Date Sampled		12/11/03	12/11/03	12/11/03	12/11/03	12/11/03	12/11/03	12/11/03	12/11/03	12/11/03	12/11/03	12/11/03	12/11/03	12/11/03			
Sample Depth (feet)		2-4	5-6	2-4	7-8	2-4	7-8	2-4	7-8	2-4	6-7	2-4	Composite	Composite			
PID (Instrument units)		90	80	10	150	10	5	5	10	5	5	20	900	900			
Lead (mg/kg)		**301**	**50**	**87**	6	18	6.6	<4.7	8.7	20	7.4	27	44	49	50	NS	NS
PVOCs (ug/kg)	Benzene	**36**	**281**	<31	**1,330**	<32	<28	<29	<32	<29	<28	<29	**4,100**	**301**	5.5	8,500	1,100
	Ethylbenzene	<29	<41	52	796	<32	<28	<29	<32	<29	<28	<29	**#6,870#**	1,680	2,900	4,600	NS
	Toluene	127	<41	100	177	<32	<28	<29	<32	<29	<28	<29	<687	**1,560**	1,500	38,000	NS
	Total Xylenes	533	165	250	763	<45	<39	<41	<45	<41	<40	<41	**14,400**	**9,870**	4,100	42,000	NS
	Methyl-tert-butyl-ether	<29	<41	<31	<28	<32	<28	<29	<32	<29	<28	<29	<687	<30	NS	NS	NS
	Naphthalene	290	462	<31	299	<32	<28	<29	<32	<29	<28	<29	**#14,400#**	890	NS	2,700	NS
	1,2,4-Trimethylbenzene	406	4,620	110	896	<32	<28	<29	<32	<29	<28	<29	56,500	6,500	NS	83,000	NS
	1,3,5-Trimethylbenzene	85	974	50	111	<32	<28	<29	<32	<29	<28	<29	**#16,600#**	2,170	NS	11,000	NS

NOTES:

PID: Photoionization Detector
PVOC: Petroleum Volatile Organic Compounds
BDL: Below Detection Limit
mg/kg: Milligram per kilogram; equivalent to parts per million (ppm)
ug/kg: Microgram per kilogram; equivalent to parts per billion (ppb)
NS: No Standard
WAC: Wisconsin Administrative Code
NR: Natural Resources Chapter of the WAC
RCL: Residual Contaminant Level

PVOC results indicated in red/underline exceed the WAC NR 720.09 Generic RCL based on Groundwater Protection

PVOC results indicated in green/parantheses exceed the WAC NR 746.06- Table 2 Direct Contact Soil Contaminant Concentration

PVOC results indicated in brown/# exceed the WAC NR 746.06- Table 1 Residual Petroleum in Soil Pores Soil Screening Levels

Lead results indicated in red/underlined exceed the WAC NR 720.11 direct contact RCL for Non-Industrial use. (Soils shallower than 4')

CHEMICAL KEY:

- -B: BENZENE
- -E: ETHYLBENZENE
- -IPBz: INDENO (1,2,3-cd) PYRENE
- -Napht: NAPHTHALENE
- -n-PBz = n-PROPYLBENZENE
- -Pb: LEAD
- -T: TOLUENE
- -TMB: TRIMETHYLBENZENE
- -X: TOTAL XYLENES

ABBREVIATIONS:

- -LOD: LIMIT OF DETECTION
- -NR: NATURAL RESOURCES
- -PID: PHOTOIONIZATION DETECTOR (FIELD)
- -PVOC: PETROLEUM VOLATILE ORGANIC COMPOUND
- -WAC: WISCONSIN ADMINISTRATIVE CODE

NOTES:

FIELD PID RESULTS EXPRESSED IN INSTRUMENT UNITS

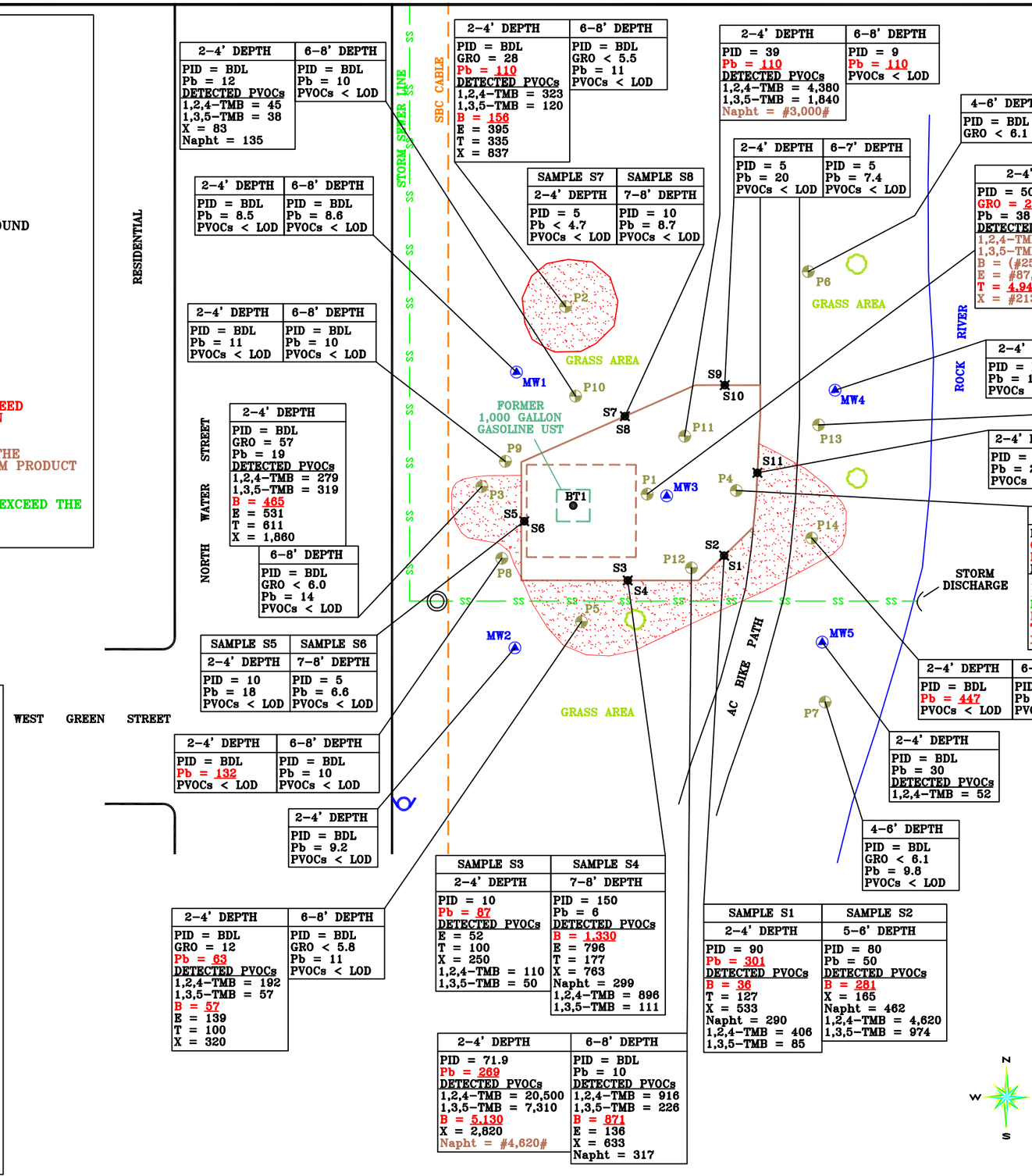
LEAD RESULTS EXPRESSED IN MILLIGRAMS PER KILOGRAM (mg/kg) EQUIVALENT TO PARTS PER MILLION (ppm)

PVOC RESULTS EXPRESSED IN MICROGRAMS PER KILOGRAM (ug/kg) EQUIVALENT TO PARTS PER BILLION (ppb)

RESULTS INDICATED IN RED/UNDERLINED EXCEED THE WAC NR 720.09 GENERIC RCL BASED ON GROUNDWATER PROTECTION

RESULTS INDICATED IN BROWN/#..# EXCEED THE WAC NR 746.06 TABLE 1 RESIDUAL PETROLEUM PRODUCT IN SOIL PORES SCREENING LEVELS

RESULTS INDICATED IN GREEN/PARENTHESIS EXCEED THE WAC NR 746-TABLE 2 DIRECT CONTACT SOIL CONTAMINANT CONCENTRATION



2-4' DEPTH	6-8' DEPTH
PID = BDL Pb = 12 DETECTED PVOCs 1,2,4-TMB = 45 1,3,5-TMB = 38 X = 83 Napht = 135	PID = BDL Pb = 10 PVOCs < LOD

2-4' DEPTH	6-8' DEPTH
PID = BDL Pb = 8.5 PVOCs < LOD	PID = BDL Pb = 8.6 PVOCs < LOD

2-4' DEPTH	6-8' DEPTH
PID = BDL Pb = 11 PVOCs < LOD	PID = BDL Pb = 10 PVOCs < LOD

2-4' DEPTH
PID = BDL GRO = 57 Pb = 19 DETECTED PVOCs 1,2,4-TMB = 279 1,3,5-TMB = 319 B = 465 E = 531 T = 611 X = 1,860

6-8' DEPTH
PID = BDL GRO < 6.0 Pb = 14 PVOCs < LOD

SAMPLE S5	SAMPLE S6
2-4' DEPTH	7-8' DEPTH
PID = 10 Pb = 18 PVOCs < LOD	PID = 5 Pb = 6.6 PVOCs < LOD

2-4' DEPTH	6-8' DEPTH
PID = BDL Pb = 132 PVOCs < LOD	PID = BDL Pb = 10 PVOCs < LOD

2-4' DEPTH
PID = BDL Pb = 9.2 PVOCs < LOD

2-4' DEPTH	6-8' DEPTH
PID = BDL GRO = 12 Pb = 63 DETECTED PVOCs 1,2,4-TMB = 192 1,3,5-TMB = 57 B = 57 E = 139 T = 100 X = 320	PID = BDL GRO < 5.8 Pb = 11 PVOCs < LOD

2-4' DEPTH	6-8' DEPTH
PID = BDL GRO = 28 Pb = 110 DETECTED PVOCs 1,2,4-TMB = 323 1,3,5-TMB = 120 B = 156 E = 395 T = 335 X = 837	PID = BDL GRO < 5.5 Pb = 11 PVOCs < LOD

SAMPLE S7	SAMPLE S8
2-4' DEPTH	7-8' DEPTH
PID = 5 Pb < 4.7 PVOCs < LOD	PID = 10 Pb = 8.7 PVOCs < LOD

2-4' DEPTH	6-8' DEPTH
PID = 39 Pb = 110 DETECTED PVOCs 1,2,4-TMB = 4,380 1,3,5-TMB = 1,840 Napht = #3,000#	PID = 9 Pb = 110 PVOCs < LOD

2-4' DEPTH	6-7' DEPTH
PID = 5 Pb = 20 PVOCs < LOD	PID = 5 Pb = 7.4 PVOCs < LOD

4-6' DEPTH
PID = BDL GRO < 6.1

2-4' DEPTH	6-8' DEPTH
PID = 500 GRO = 2,920 Pb = 38 DETECTED VOCs 1,2,4-TMB = #95,400# 1,3,5-TMB = #29,200# B = (#25,800#) E = #87,500# T = 4,940 X = #213,000#	PID = 300 DETECTED VOCs 1,2,4-TMB = 1,240 1,3,5-TMB = 362 B = 1,810 E = 1,100 T = 271 X = 2,260 Napht = 542 IPBz = 56 n-PBz = 203

2-4' DEPTH
PID = BDL Pb = 15 PVOCs < LOD

2-4' DEPTH	6-8' DEPTH
PID = BDL Pb = 39 PVOCs < LOD	PID = BDL Pb = 11 PVOCs < LOD

2-4' DEPTH
PID = 20 Pb = 27 PVOCs < LOD

2-4' DEPTH	4-6' DEPTH
PID = 225 GRO = 3,230 Pb = 207 DETECTED PVOCs 1,2,4-TMB = #245,000# 1,3,5-TMB = #46,500# B = (<1,550) E = #28,400# T = 1,680 X = #77,500#	PID = 100 GRO < 6.8 Pb = 15 DETECTED PVOCs 1,2,4-TMB = 77 B = 257 X = 110

2-4' DEPTH	6-8' DEPTH
PID = BDL Pb = 447 PVOCs < LOD	PID = BDL Pb = 14 PVOCs < LOD

2-4' DEPTH
PID = BDL Pb = 30 DETECTED PVOCs 1,2,4-TMB = 52

4-6' DEPTH
PID = BDL GRO < 6.1 Pb = 9.8 PVOCs < LOD

SAMPLE S3	SAMPLE S4
2-4' DEPTH	7-8' DEPTH
PID = 10 Pb = 87 DETECTED PVOCs E = 52 T = 100 X = 250 1,2,4-TMB = 110 1,3,5-TMB = 50	PID = 150 Pb = 6 DETECTED PVOCs B = 1,330 E = 796 T = 177 X = 763 Napht = 299 1,2,4-TMB = 896 1,3,5-TMB = 111

2-4' DEPTH	6-8' DEPTH
PID = 71.9 Pb = 269 DETECTED PVOCs 1,2,4-TMB = 20,500 1,3,5-TMB = 7,310 B = 5,130 X = 2,820 Napht = #4,620#	PID = BDL Pb = 10 DETECTED PVOCs 1,2,4-TMB = 916 1,3,5-TMB = 226 B = 871 E = 136 X = 633 Napht = 317

SAMPLE S1	SAMPLE S2
2-4' DEPTH	5-6' DEPTH
PID = 90 Pb = 301 DETECTED PVOCs B = 36 T = 127 X = 533 Napht = 290 1,2,4-TMB = 406 1,3,5-TMB = 85	PID = 80 Pb = 50 DETECTED PVOCs B = 281 X = 165 Napht = 462 1,2,4-TMB = 4,620 1,3,5-TMB = 974

T1 (TRUCK 1)

COMPOSITE
PID = 900 Pb = 44 DETECTED PVOCs B = 4,100 E = #6,870# X = 14,400 Napht = #14,400# 1,2,4-TMB = 56,500 1,3,5-TMB = #16,600#

T2 (TRUCK 2)

COMPOSITE
PID = 900 Pb = 49 DETECTED PVOCs B = 301 E = 1,680 T = 1,560 X = 9,870 Napht = 890 1,2,4-TMB = 6,500 1,3,5-TMB = 2,170

LEGEND:

- APPROXIMATE EXTENT OF PETROLEUM IMPACTED SOIL EXCEEDING WAC NR 720.09
- CURB LINE
- P1 — SOIL BORING
- BT1 — SOIL SAMPLE
- MW1 — GROUNDWATER MONITORING WELL
- S1 — CONFIRMATION SOIL SAMPLE
- SS — STORM SEWER LINE
- MANHOLE
- FIRE HYDRANT
- TREE
- SBC CABLE
- UST EXCAVATION LIMIT
- SOIL REMOVAL EXCAVATION LIMIT
- FORMER UST

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FIGURE 10
EXCAVATION LOCATION MAP, ANALYTICAL RESULTS AND APPROXIMATE EXTENT OF PETROLEUM IMPACTED SOIL
FANNIE P. LEWIS PARK
513 NORTH WATER STREET
WATERTOWN, WISCONSIN

DESIGNED	DRAWN	APPROVED	SCALE	DATE
SCT	JSZ	X	1'=20'	10-18-04
PROJECT NO.: 1E-0212011			CAD No. E2120115	

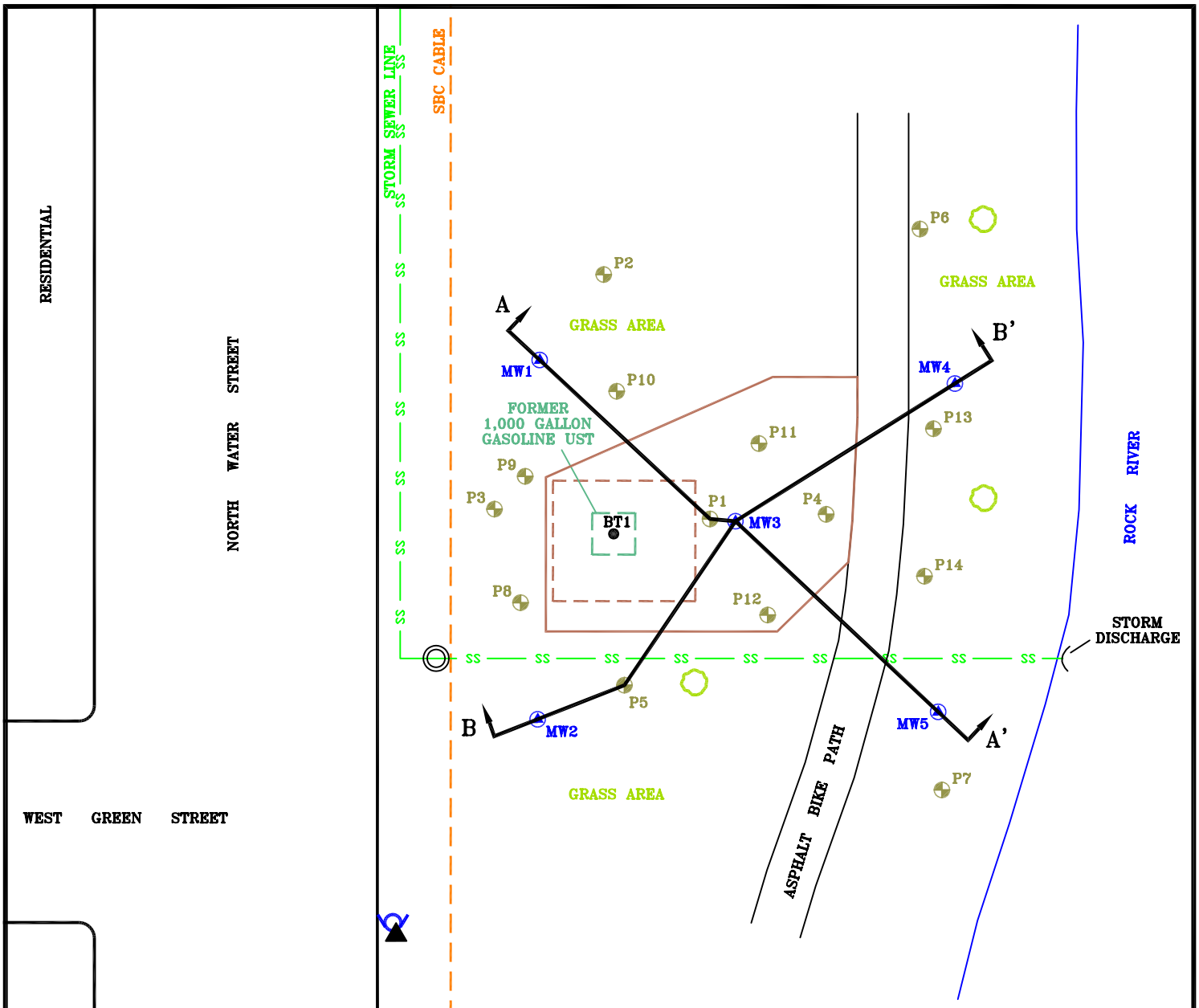
Table 1
Groundwater Elevation and Survey Data

Fannie P. Lewis Park
513 North Water Street
Watertown, Wisconsin
Project No. 1E-0212011

Well No.	PVC Elevation	Ground Elevation	Borehole		Screen			Groundwater			Rock River Elevation	Date of Measure-ment
			Depth of borehole	Elevation of borehole bottom	Screen length	Elevation of screen bottom	Elevation of screen top	Date of Measure-ment	Depth from PVC	Elevation		
MW1	811.37	811.81	13.50	798.31	10.00	798.53	808.53	12/23/2003	3.29	808.08	805.98	12/17/2003
								3/25/2004	2.22	809.15		
								6/17/04*	0.91	810.46		
MW2	811.09	811.62	13.50	798.12	10.00	798.47	808.47	12/23/2003	3.04	808.05		
								3/25/2004	1.97	809.12		
								6/17/04*	0.70	810.39	806.4	3/5/2004
MW3	809.87	810.49	13.50	796.99	10.00	797.06	807.06	12/23/2003	1.81	808.06		
								3/25/2004	0.70	809.17		
								6/28/04*	0.00	809.87		
MW4	810.85	811.40	13.50	797.90	10.00	798.07	808.07	12/23/2003	2.71	808.14		
								3/25/2004	1.77	809.08		
								6/17/04*	0.50	810.35	807.65	6/17/2004*
MW5	811.15	811.54	13.50	798.04	10.00	798.48	808.48	12/23/2003	3.09	808.06		
								3/25/2004	2.06	809.09		
								6/17/04*	0.72	810.43		

Notes:

all units expressed in feet
Benchmark: Top of Hex Nut located on Fire Hydrant at the southeast corner of North Water Street and West Green Street, elevation 814.89
* Elevated water levels were due to exsessive rain events during May and June 2004



LEGEND:

A–A'	LINE OF CROSS-SECTION
	CURB LINE
P1	SOIL BORING
BT1	SOIL SAMPLE
MW1	GROUNDWATER MONITORING WELL
SS	STORM SEWER LINE
	MANHOLE
	FIRE HYDRANT
	TREE
	SBC CABLE
	UST EXCAVATION LIMIT
	FORMER UST
	BENCHMARK: TOP OF HYDRANT NUT ELEVATION = 816.33'

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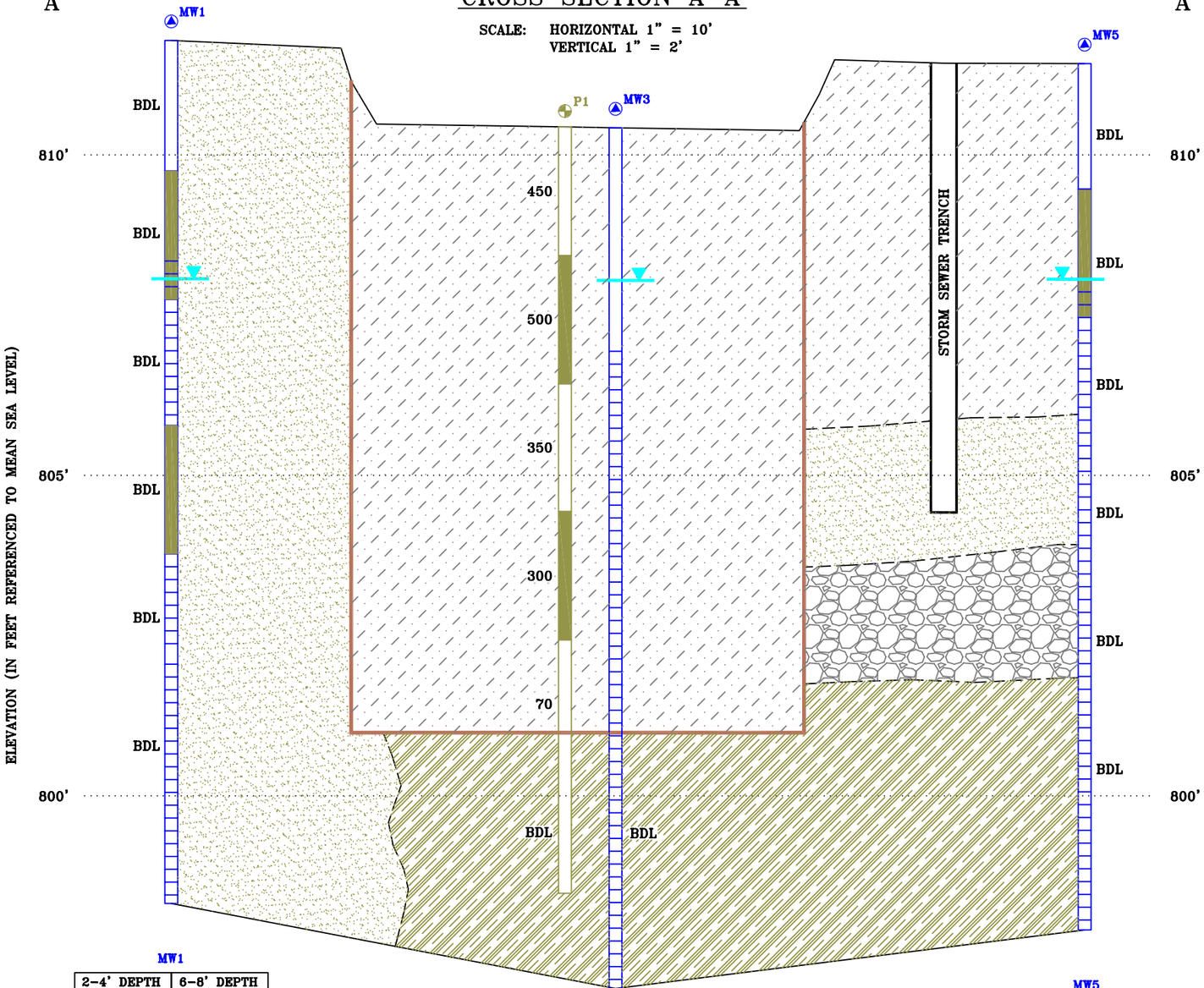
FIGURE 3
CROSS-SECTION LOCATION PLAN
FANNIE P. LEWIS PARK
513 NORTH WATER STREET
WATERTOWN, WISCONSIN

DESIGNED	DRAWN	APPROVED	SCALE	DATE
SCT	JSZ	X	1'=20'	10-15-04
PROJECT NO.: 1E-0212011			CAD No. E2120116	

CROSS SECTION A–A'

SCALE: HORIZONTAL 1" = 10'
VERTICAL 1" = 2'



MW1

2–4' DEPTH	6–8' DEPTH
PID = BDL Pb = 8.5 PVOCs < LOD	PID = BDL Pb = 8.6 PVOCs < LOD

P1

2–4' DEPTH	6–8' DEPTH
PID = 500 GRO = 2,920 Pb = 38 DETECTED PVOCs 1,2,4–TMB = #95,400# 1,3,5–TMB = #29,200# B = (#25,800#) E = #87,500# T = 4,940 X = #213,000#	PID = 300 DETECTED VOCs 1,2,4–TMB = 1,240 1,3,5–TMB = 362 B = 1,810 E = 1,100 T = 271 X = 2,260 Napht = 542 IPBz = 56 n–PBz = 203

MW5

2–4' DEPTH
PID = BDL Pb = 30 DETECTED PVOCs 1,2,4–TMB = 52

CHEMICAL KEY:

- –B: BENZENE
- –E: ETHYLBENZENE
- –IPBz: ISOPROPYLBENZENE
- –n–PBz: n–PROPYLBENZENE
- –Napht: NAPHTHALENE
- –Pb: LEAD
- –T: TOLUENE
- –TMB: TRIMETHYLBENZENE
- –X: TOTAL XYLENES

ABBREVIATIONS:

- –BDL: BELOW DETECTION LIMIT
- –GRO: GASOLINE RANGE ORGANIC
- –LOD: LIMIT OF DETECTION
- –NR: NATURAL RESOURCES
- –PID: PHOTOIONIZATION DETECTOR (FIELD)
- –PVOC: PETROLEUM VOLATILE ORGANIC COMPOUND
- –RCL: RESIDUAL CONTAMINANT LEVEL
- –VOC: VOLATILE ORGANIC COMPOUND
- –WAC: WISCONSIN ADMINISTRATIVE CODE

NOTES:

FIELD PID RESULTS EXPRESSED IN INSTRUMENT UNITS

GRO AND LEAD RESULTS EXPRESSED IN MILLIGRAMS PER KILOGRAM (mg/kg) EQUIVALENT TO PARTS PER MILLION (ppm)

VOC AND PVOC RESULTS EXPRESSED IN MICROGRAMS PER KILOGRAM (ug/kg) EQUIVALENT TO PARTS PER BILLION (ppb)

RESULTS INDICATED IN RED/UNDERLINED EXCEED THE WAC NR 720.09 GENERIC RCL BASED ON GROUNDWATER PROTECTION

RESULTS INDICATED IN BROWN/#..# EXCEED THE WAC NR 746.06 TABLE 1 RESIDUAL PETROLEUM PRODUCT IN SOIL PORES SCREENING LEVELS

RESULTS INDICATED IN BROWN/#..# AND PARENTHESIS EXCEED THE WAC NR 746.06 TABLE 1 AND TABLE 2 DIRECT CONTACT LEVELS

LEGEND:

- P1 — SOIL BORING
- MW1 — GROUNDWATER MONITORING WELL
- SOIL REMOVAL EXCAVATION LIMIT
- STATIC WATER LEVEL (12/23/03)
- WELL SCREEN
- 300 — PHOTOIONIZATION DETECTOR (PID) READING
- BDL — BELOW PID DETECTION LIMIT
- INTERVAL SAMPLED FOR LABORATORY ANALYSIS

SOIL KEY:

- FILL MATERIAL
- CLAY–SILT, WITH FINE TO COARSE SAND
- FINE TO COARSE SAND AND GRAVEL
- SILT WITH FINE TO MEDIUM SAND

NOTES:

CONTACT LINES: DASHED WHERE INFERRED

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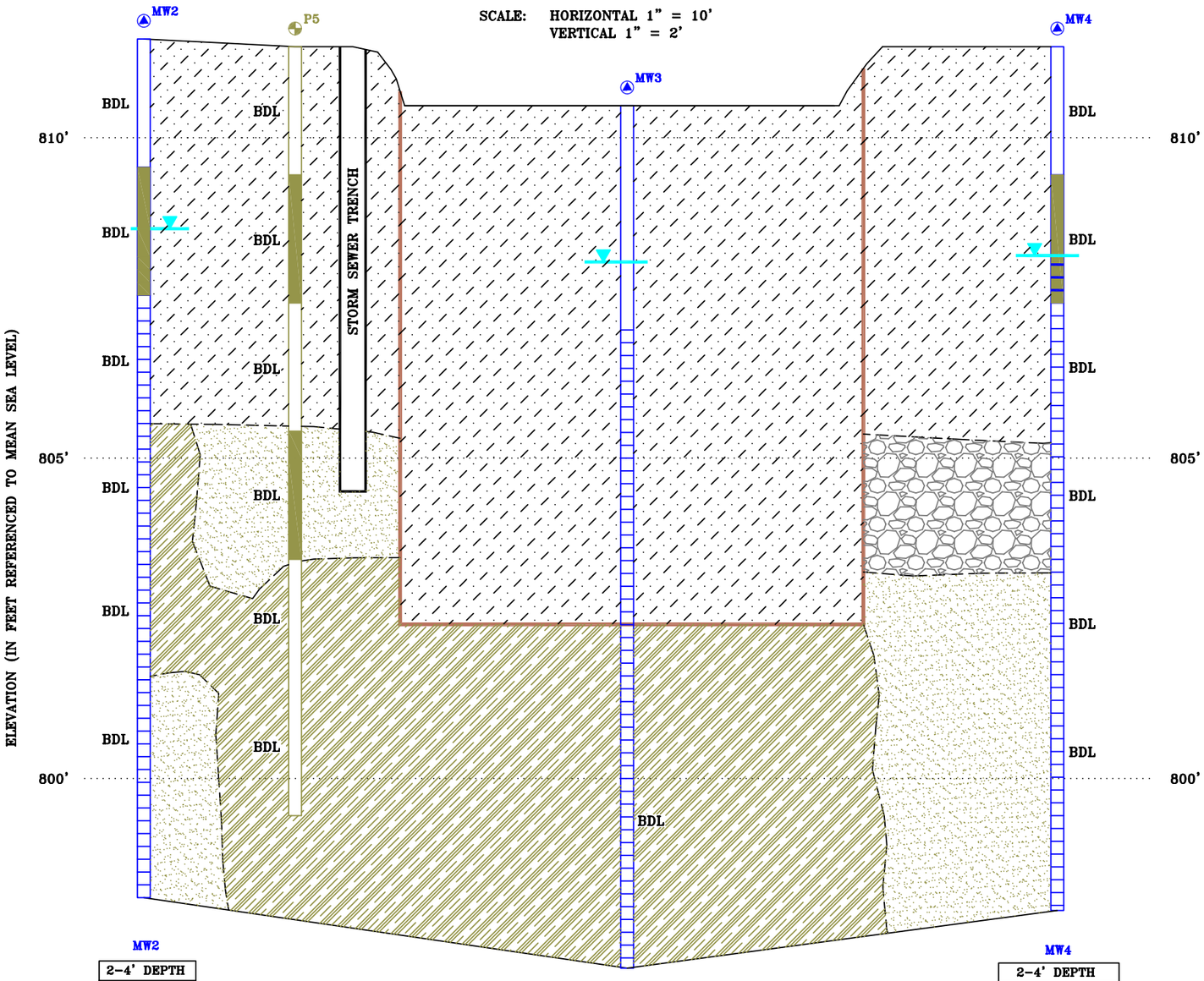
FIGURE 4
CROSS–SECTION A–A'
FANNIE P. LEWIS PARK
513 NORTH WATER STREET
WATERTOWN, WISCONSIN

DESIGNED	DRAWN	APPROVED	SCALE	DATE
SCT	JSZ	X	SEE TITLE	10–15–04
PROJECT NO.: 1E–0212011			CAD No. E2120117	

CROSS SECTION B–B'

SCALE: HORIZONTAL 1" = 10'
VERTICAL 1" = 2'



MW2

2–4' DEPTH
PID = BDL Pb = 9.2 PVOCs < LOD

MW3

2–4' DEPTH	6–8' DEPTH
PID = 500 GRO = 2,920 Pb = 38 DETECTED PVOCs 1,2,4–TMB = #95,400# 1,3,5–TMB = #29,200# B = (#25,800#) E = #87,500# T = 4,940 X = #213,000#	PID = 300 DETECTED VOCs 1,2,4–TMB = 1,240 1,3,5–TMB = 362 B = 1,810 E = 1,100 T = 271 X = 2,260 Napht = 542 IPBz = 56 n–PBz = 203

MW4

2–4' DEPTH
PID = BDL Pb = 15 PVOCs < LOD

CHEMICAL KEY:

- –B: BENZENE
- –E: ETHYLBENZENE
- –IPBz: ISOPROPYLBENZENE
- –n–PBz: n–PROPYLBENZENE
- –Napht: NAPHTHALENE
- –Pb: LEAD
- –T: TOLUENE
- –TMB: TRIMETHYLBENZENE
- –X: TOTAL XYLENES

ABBREVIATIONS:

- –BDL: BELOW DETECTION LIMIT
- –GRO: GASOLINE RANGE ORGANIC
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- –NR: NATURAL RESOURCES
- –PID: PHOTOIONIZATION DETECTOR (FIELD)
- –PVOC: PETROLEUM VOLATILE ORGANIC COMPOUND
- –RCL: RESIDUAL CONTAMINANT LEVEL
- –VOC: VOLATILE ORGANIC COMPOUND
- –WAC: WISCONSIN ADMINISTRATIVE CODE

NOTES:

FIELD PID RESULTS EXPRESSED IN INSTRUMENT UNITS

GRO AND LEAD RESULTS EXPRESSED IN MILLIGRAMS PER KILOGRAM (mg/kg) EQUIVALENT TO PARTS PER MILLION (ppm)

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RESULTS INDICATED IN BROWN/#..# EXCEED THE WAC NR 746.06 TABLE 1 RESIDUAL PETROLEUM PRODUCT IN SOIL PORES SCREENING LEVELS

RESULTS INDICATED IN BROWN/#..# AND PARENTHESIS EXCEED THE WAC NR 746.06 TABLE 1 AND TABLE 2 DIRECT CONTACT LEVELS

LEGEND:

- P5 — SOIL BORING
- MW4 — GROUNDWATER MONITORING WELL
- SOIL REMOVAL EXCAVATION LIMIT
- STATIC WATER LEVEL (12/23/03)
- WELL SCREEN
- BDL — BELOW PID DETECTION LIMIT
- INTERVAL SAMPLED FOR LABORATORY ANALYSIS

SOIL KEY:

- FILL MATERIAL
- CLAY–SILT, WITH FINE TO COARSE SAND
- FINE TO COARSE SAND AND GRAVEL
- SILT WITH FINE TO MEDIUM SAND

NOTES:

CONTACT LINES: DASHED WHERE INFERRED

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FIGURE 5
CROSS–SECTION B–B'
FANNIE P. LEWIS PARK
513 NORTH WATER STREET
WATERTOWN, WISCONSIN

DESIGNED	DRAWN	APPROVED	SCALE	DATE
SCT	JSZ	X	SEE TITLE	10–15–04
PROJECT NO.: 1E–0212011			CAD No. E2120118	

CITY OF WATERTOWN

ENGINEERING DEPARTMENT

106 Jones Street • P.O. Box 477 • Watertown, WI 53094-0477
(920) 262-4040 • Fax (920) 262-4042

JOSEPH M. RADOCAY
City Engineer
(920) 262-4050

PETER L. THOMPSON
Assistant City Engineer
(920) 262-4045

Mr. Peter Thompson, as Assistant City Engineer for the City of Watertown, states that the City of Watertown is the owner of the property which is located at 513 North Water Street, Watertown, Wisconsin, and which is legally described in the Warranty Deeds recorded as Volume 562, Page 871, on February 21, 1983. Which completely and accurately describes the complete parcel of the property (BRRTS No. 03-68-500824).

City of Watertown

By: Peter Thompson
Peter Thompson

Date: 8/4/04