GIS REGISTRY INFORMATION

SITE NAME: FOX VALLEY & WESTERN - NORWOOD YARD ENTRANCE

BRRTS #: 03-05-204878

CLOSURE DATE: 09/09/2002

STREET ADDRESS: 840-858 CLONTON STREET

CITY: GREEN BAY

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection): X= 676416 Y= 450801

OFF-SOURCE CONTAMINATION (>ES): ☐ Yes ☒ No

IF YES, STREET ADDRESS 1:

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

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

IF YES, STREET ADDRESS 1:

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

IF YES, STREET ADDRESS 2:

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

CONTAMINATION IN RIGHT OF WAY: ☒ Yes ☐ No

DOCUMENTS NEEDED:

Closure Letter, and any conditional closure letter issued	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	
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 site-specific residual contaminant levels.	X
Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)	X
Tables of Latest Soil Analytical Results (no shading or cross-hatching)	

Isoconcentration map(s), *if required for site investigation (SI) (* 8.5x14" if paper copy***).*** The isoconcentration map should have flow direction and extent of groundwater contamination defined. **If not available, include the latest extent of contaminant plume map.**	
GW: Table of water level elevations, with sampling dates, and free product noted if present	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 site-specific RCLs, with one contour.	
Geologic cross-sections, *if required for SI.* (8.5x14' if paper copy)	
RP certified statement that legal descriptions are complete and accurate	X
Copies of off-source notification letters (if applicable)	
Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)	X
Copy of (soil or land use) deed restriction(s) or deed notice *if any required as a condition of closure.*	

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

WISCONSIN DEPT. OF NATURAL RESOURCES

Scott McCallum, Governor
Darrell Bazzell, Secretary
Ronald W. Kazmierczak, Regional Director

Northeast Region Headquarters
1125 N. Military Ave., P.O. Box 10448
Green Bay, Wisconsin 54307-0448
Telephone 920-492-5800
FAX 920-492-5913
TTY 920-492-5912

September 10, 2002

Mr. Geoffrey C. Nokes
Fox Valley & Western Ltd.
P.O. Box 5062
Rosemont, IL 60017-5062

SUBJECT: Final Case Closure By Closure Committee With Conditions Met for the Fox Valley & Western – Norwood Yard Entrance site, 845 Clinton Street, Green Bay, WI
WDNR BRRTS # 03-05-204878

Dear Mr. Nokes:

On October 2, 2001, your site as described above was reviewed for closure by the Northeast Region Closure Committee. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On November 5, 2001, you were notified that the Closure Committee had granted conditional closure to this case.

On September 9, 2002, the Department received final correspondence indicating that you have complied with the conditions of closure (GIS registration and ROW notification). Based on the correspondence and data provided, it appears that your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code. The Department considers this case closed on September 9, 2002, and no further investigation, remediation or other action is required at this time.

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

It is the Department's understanding that the monitoring wells associated with this case will be used as part of the on-going investigation of a release of chlorinated solvents (WDNR BRRTS # 02-05-257796). When these monitoring wells are no longer needed, proper abandonment must be initiated and documentation provided to the Department.

Contaminated soil still exists on the property in the vicinity of soil borings GP8 & TMW7. In August 1996, DRO was identified at 1,590 mg/kg (ppm) & GRO at 320 ppm at GP8 and in

April 1998, benzene was identified at 52 µg/kg (ppb) and xylene at 7,671 ppb at TMW7 which exceed the levels identified in NR720. If the contaminated soil in the area of GP8 or TMW7 that remains on the property is excavated in the future, it will have to be sampled and analyzed and the treatment or disposal of the soil as a solid or hazardous waste may be necessary.

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

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me in Green Bay at (920) 492-5921.

Sincerely,

Keld B. Lauridsen
Hydrogeologist
Remediation & Redevelopment Program

cc: Nina Sayyat, Canadian National Railway Properties,
277 Front Street West, Eight Floor, Toronto, Ontario, M5V 2X7, Canada
Robert Mottl, STS Consultants, Ltd.,
1035 Kepler Drive, Green Bay, WI 54311

Descriptions for
Fox Valley & Western LTD
300 Prairie Avenue
Green Bay, Wisconsin 54303

April 20, 1994

JN 1111

That part of the Unsurveyed Part of Private Claim 2, West Side of Fox River, City of Green Bay, Brown County, Wisconsin, described as follows:

Commencing at the northeast corner of Private Claim 2; thence N 64° 03' 55" W along the north line of Private Claim 2, 989.00 feet to an existing stone monument; thence continuing N 64° 03' 55" W along said north line, 790.00 feet to the west line of Oakland Avenue and the point of beginning; thence continuing N 64° 03' 55" W 1505.50 feet to a point which is S 64° 03' 55" E 30.00 feet from the centerline of 12th Avenue; thence N 25° 47' 32" E along the east line of 12th Avenue, 14.04 feet; thence S 63° 59' 13" E 1505.56 feet; thence S 26° 04' 31" W along the west line of Oakland Avenue, 11.98 feet to the point of beginning. Containing 19,587 sq. ft. (0.450 ac.)

That part of Lots 1 and 2, Block 4, Niels Hansen's Addition, and part of the vacated alley (unrecorded) lying adjacent and west of said Lots, and part of the Unsurveyed Part of Private Claim 2, West Side of Fox River, all in the City of Green Bay, Brown County, Wisconsin, described as follows:

Commencing at the northeast corner of Private Claim 2; thence N 64° 03' 55" W along the north line of Private Claim 2, 989.00 feet to an existing stone monument; thence continuing N 64° 03' 55" W along said north line, 790.00 feet; thence N 26° 04' 31" E along the west line of Oakland Avenue, 40.00 feet to the southeast corner of said Block 4; thence continuing N 26°04'31" E along said west line, 32.10 feet; thence along the arc of a 47.50 foot radius curve to the right 3.56 feet, the chord of which bears N 42° 43' 51" W 3.56 feet to the point of beginning; thence N 63° 57' 47" W 1502.54 feet to a point which is N 25° 47' 32" E 76.08 feet from the north line of Private Claim 2; thence N 25° 47' 32" E along the east line of 12th Avenue, 7.40 feet; thence S 78° 41' 19" E along the south line of the property described in 1087 R 308 and its extension thereof, 150.69 feet; thence S 64° 03' 55" E 581.38 feet to the angle point in the south line of Outlot 1, Volume 27 Certified Survey Maps, page 100; thence S 64° 18' 34" E 747.77 feet; thence along the arc of a 47.50 foot radius curve to the left 62.96 feet, the chord of which bears S 2° 36' 31" E 58.45 feet to the point of beginning. Containing 67,815 sq. ft. (1.557 ac.)

That part of Block 38 and all of Block 46, Tank's Third Addition, and all of vacated Greenwood Avenue (unrecorded) lying between said Blocks, and part of Private Claim 2, West Side of Fox River, all in the City of Green Bay, Brown County, Wisconsin, described as follows:

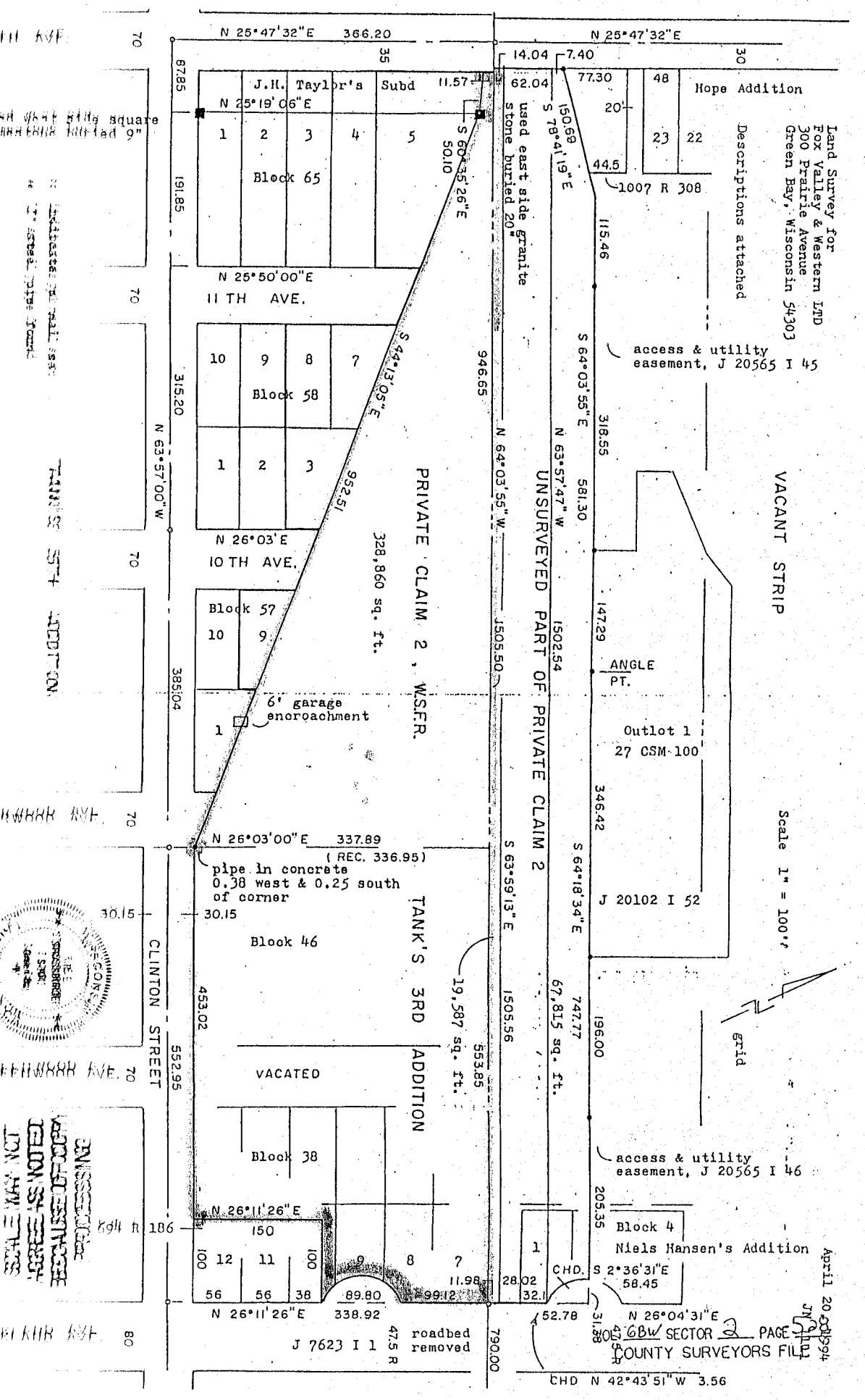
Commencing at the northeast corner of Private Claim 2; thence N 64° 03' 55" W along the north line of Private Claim 2, 989.00 feet to an existing stone monument; thence continuing N 64° 03' 55" W along said north line, 790.00 feet to the northeast corner of said Block 38 and the point of beginning; thence continuing N 64° 03' 55" W 553.85 feet to the northwest corner of said Block 46; thence continuing N 64° 03' 55" W along said north line, 908.62 feet to a point which is S 64° 03' 55" E 35.00 feet from the centerline of 12th Avenue; thence S 25° 47' 32" W along the east line of 12th Avenue, 11.57 feet; thence S 60° 35' 26" E 50.10 feet; thence S 63° 13' 05" E 952.51 feet to the southwest corner of said Block 46; thence S 63° 57' 00" E along the north line of Clinton Street, 453.02 feet to a point which is N 63° 57' 00" W 100.00 feet from the southeast corner of said Block 38; thence N 26° 11' 26" E 150.00 feet; thence S 63° 57' 00" E 100.00 feet to the west line of Oakland Avenue; thence along the arc of a 117.38 foot radius curve to the right 117.65 feet, the chord of which bears N 38° 11' 26" E 89.80 feet; thence N 26° 11' 26" E 99.12 feet to the point of beginning. Containing 328,860 sq. ft. (7.550 ac.)

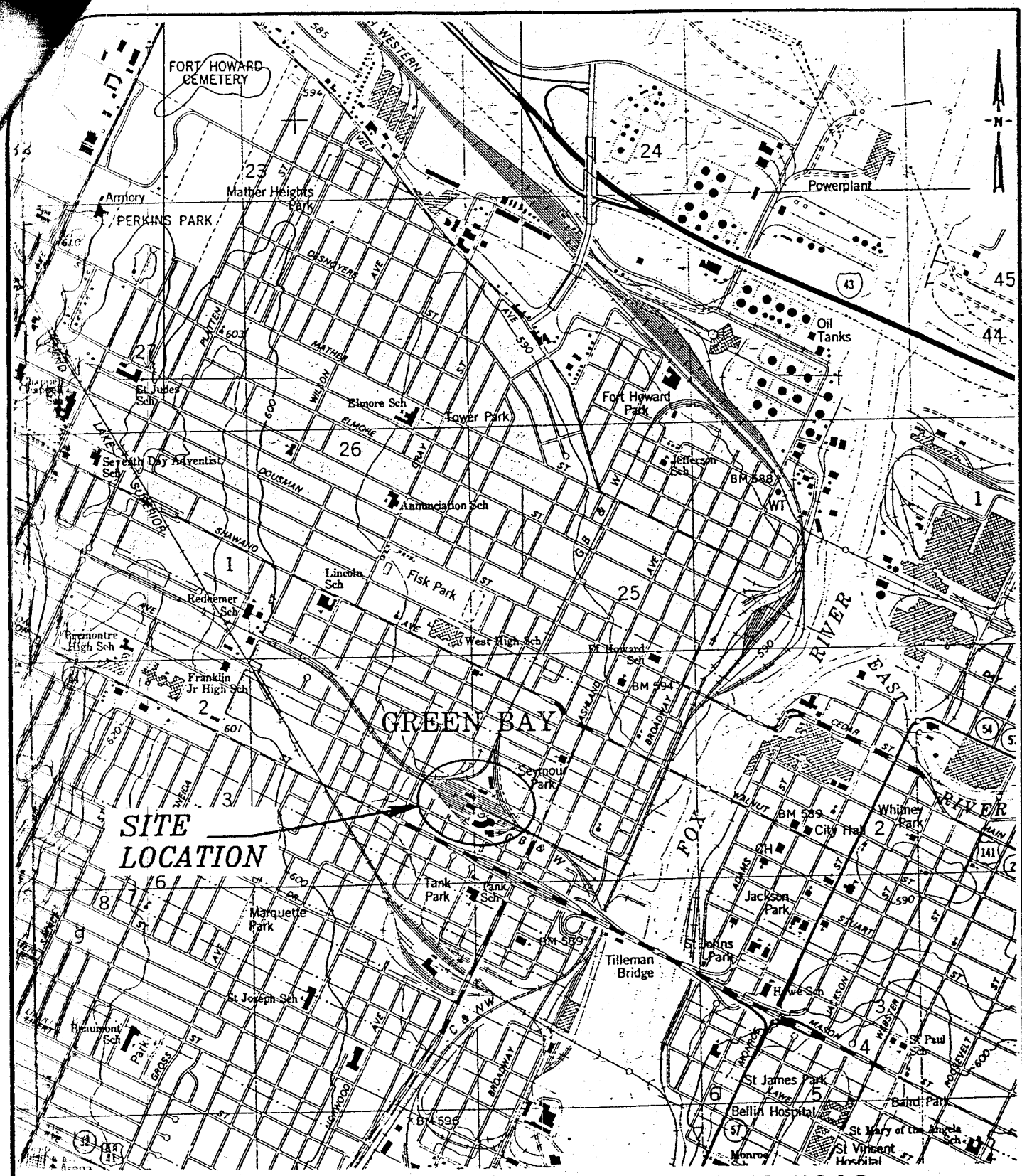
I, R. E. Strassburger, land surveyor, hereby certify that I have made the survey of the property described above and that this drawing is a true representation thereof.

R. E. Strassburger

R. E. Strassburger

VOL GBW SECTOR 2 PAGE 528


Land Survey for
Fox Valley & Western LTD
300 Prairie Avenue
Green Bay, Wisconsin 54303
Descriptions attached
Scale 1" = 100'
April 20, 1994
N 25°47'32"E 366.20
N 25°47'32"E
J.H. Taylor's Subd
Block 65
N 25°19'06"E
N 25°50'00"E
11 TH AVE.
Block 58
N 26°03'E
10 TH AVE.
Block 57
6' garage encroachment
PRIVATE CLAIM 2, W.S.F.R.
328,860 sq. ft.
N 63°57'00"W
S 60°35'26"E 50.10
S 44°13'05"E
952.51
946.65
N 64°03'55"W
1505.50
used east side granite stone buried 20"
UNSURVEYED PART OF PRIVATE CLAIM 2
S 78°41'19"E
150.69
N 63°57'47"W
1502.54
S 64°03'55"E
581.30
318.55
115.46
147.29
ANGLE PT.
346.42
S 64°18'34"E
747.77
196.00
205.35
67,815 sq. ft.
S 63°59'13"E
1505.56
553.85
19,587 sq. ft.
Hope Addition
48
23
22
20'
44.5
1007 R 308
access & utility easement, J 20565 I 45
VACANT STRIP
Outlot 1
27 CSM 100
J 20102 I 52
grid
access & utility easement, J 20565 I 46
Block 4
Niels Hansen's Addition
S 2°36'31"E 58.45
N 26°04'31"E
CHD. 52.78
CHD N 42°43'51"W 3.56
62.04
77.30
14.04
7.40
11.57
87.85
191.85
315.20
385.04
N 26°03'00"E 337.89
(REC. 336.95)
pipe in concrete 0.38 west & 0.25 south of corner
30.15
Block 46
453.02
552.95
CLINTON STREET
VACATED
TANK'S 3RD ADDITION
Block 38
N 26°11'26"E
150
100
12
11
56
56
38
89.80
99.12
11.98
9
8
7
28.02
32.1
31.80
N 26°11'26"E 338.92
J 7623 I 1
47.5 R
roadbed removed
790.00
SECTOR 2 PAGE 5
COUNTY SURVEYORS FILE



MAP SOURCE: MODIFIED FROM GREEN BAY WEST, WIS. U.S.G.S. QUADRANGLE DATED 1982.

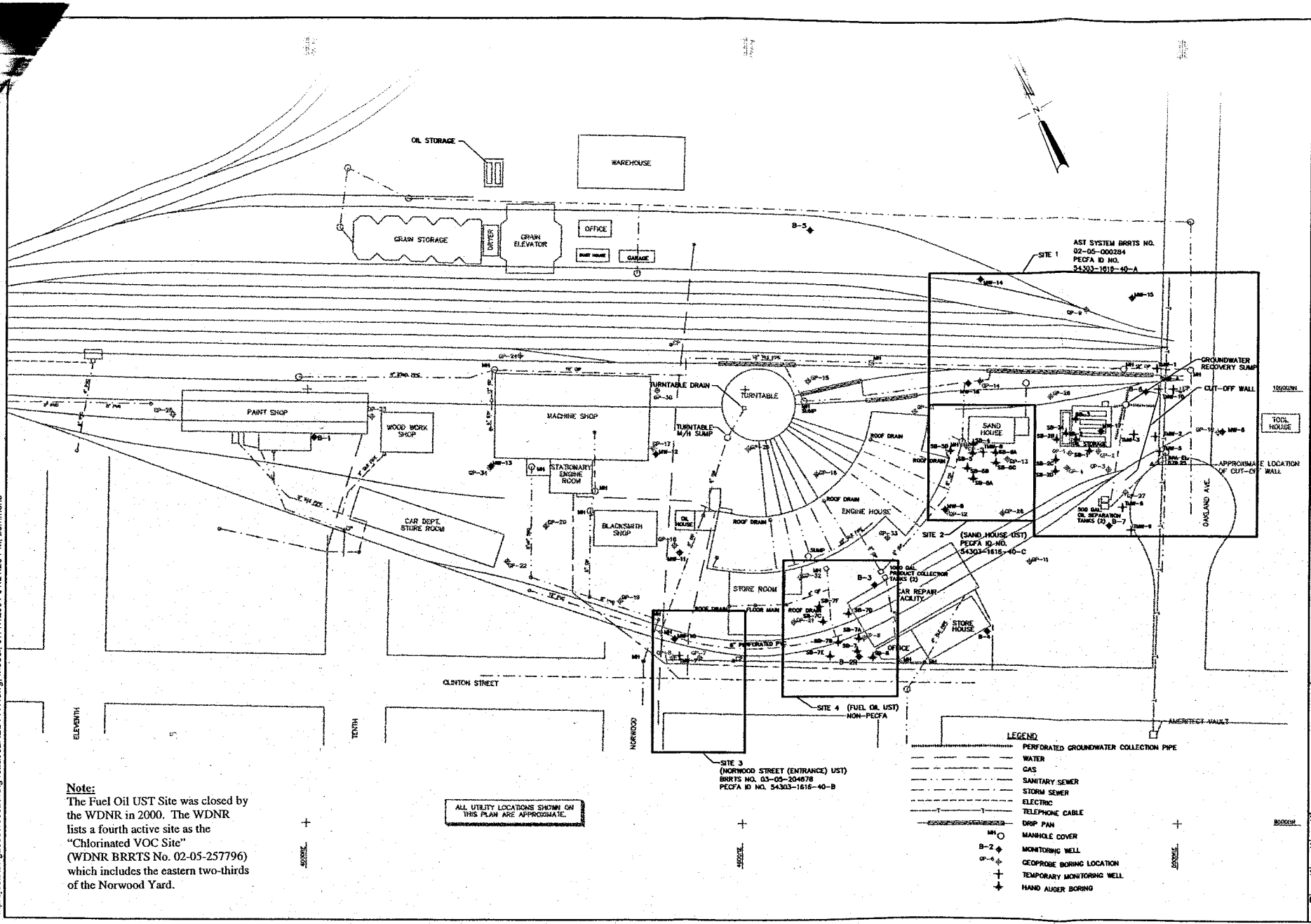
STS Consultants Ltd.
Consulting Engineers

PROJECT/CLIENT

FOX VALLEY & WESTERN LTD.
NORWOOD YARD
GREEN BAY, WISCONSIN

SITE LOCATION DIAGRAM

DRAWN BY	P.D.P.	3-18-97
CHECKED BY	T.J.C.	3-18-97
APPROVED BY	MAB	4-3-97
SCALE 1"= 2000'	FIGURE NO. 1	
STS DRAWING NO. 15862WA		



Note:
The Fuel Oil UST Site was closed by the WDNR in 2000. The WDNR lists a fourth active site as the "Chlorinated VOC Site" (WDNR BRRTS No. 02-05-257796) which includes the eastern two-thirds of the Norwood Yard.

DRAWN BY J.R.L. 6-13-00
CHECKED BY P.L.M. 6-13-00
APPROVED BY
CADFILE X:\projects\dwg2000\15862\wa

HYDRAULIC PROBE AND MONITORING WELL LOCATION DIAGRAM
FORMER GREEN BAY & WESTERN RAILROAD NORWOOD YARD
GREEN BAY, WISCONSIN

STS Consultants Ltd
Consulting Engineers

STS PROJECT NO. 15682WD
STS PROJECT FILE
SCALE 1"=100'
FIGURE NO. 2

X:\projects\dwg2000\15862\walg462a002RED1117.dwg, Model, 07/17/2001 01:21:23 PM, Lemmens

Analyte	Units	MW-10						MWENT-1				MWENT-2				MWENT-3					MWENT-4				MWENT-5		ES	PAL
		12/23/96	4/23/98	8/7/00	11/29/00	3/20/01	5/18/01	8/7/00	11/29/00	3/20/01	5/18/01	8/7/00	11/29/00	3/20/01	5/18/01	8/7/00	11/29/00	3/20/01	5/18/01	8/7/00	11/29/00	3/20/01	5/18/01	11/29/00	3/20/01			
VOC																												
1,1,1-Trichloroethane	(µg/l)	<0.30	NA	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<6.6	<0.13	<0.13	<0.13	<0.13	<0.13	NA	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	200	40
1,1,2,2-Tetrachloroethane	(µg/l)	<0.52	NA	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<26	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	0.2	0.02
1,1,2-Trichloroethane	(µg/l)	<0.20	NA	<0.2	<0.2	<0.2	<0.2	<0.2	0.41	<10	<0.2	<0.2	<0.2	<0.2	<0.2	<0.13	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	5	0.5
1,1-Dichloroethane	(µg/l)	<0.15	NA	<0.098	<0.098	<0.098	<0.098	<0.098	<0.098	<4.9	<0.098	<0.098	<0.098	<0.098	<0.098	0.46	0.35	<0.098	<0.098	<0.098	<0.098	<0.098	<0.098	<0.098	<0.098	850	85
1,1-Dichloroethylene	(µg/l)	<0.40	NA	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<9.0	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	7	0.7
1,2-Dichlorobenzene	(µg/l)	<0.38	NA	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<1.8	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	600	60
1,2-Dichloroethane	(µg/l)	<0.35	NA	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<18	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.084	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	5	0.5
1,2-Dichloropropane	(µg/l)	<0.09	NA	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<14	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	5	0.5
1,3-Dichlorobenzene	(µg/l)	<0.49	NA	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<5.7	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	1250	125
1,4-Dichlorobenzene	(µg/l)	1.22	NA	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<5.7	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	75	15
Benzene	(µg/l)	<0.19	<0.5	<0.19	<0.19	<0.19	<0.19	6.8*	8.7*	12*	6.5*	0.39	0.43	2.1	2.0	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	5	0.5
Bromomethane	(µg/l)	<0.17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10	1
Carbon Tetrachloride	(µg/l)	<0.23	NA	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<11	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	5	0.5
Chloroethane	(µg/l)	<0.50	NA	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<14	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	400	80
Chloroform	(µg/l)	0.22	NA	<0.18	<0.18	<0.18	<0.18	<0.18	0.53	<8.9	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	6	0.6
Chloromethane	(µg/l)	<0.24	NA	<0.13	<0.13	<0.13	<0.13	<0.13	1.2	<6.4	<0.13	<0.13	0.67	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	1.0	<0.13	<0.13	<0.13	<0.13	3	0.3
cis 1,2-Dichloroethene	(µg/l)	33.8	NA	59	38	36	39	<0.19	<0.19	<9.3	<0.19	2.1	1.8	6.3	6.8	16	11	16	14	13	20	21	22	<0.19	<0.19	70	7
cis,trans-1,3-Dichloroprop	(µg/l)	<0.24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.2	0.02
Dichlorodifluoromethane	(µg/l)	<0.59	NA	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<10	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	1000	200
Ethylbenzene	(µg/l)	<0.19	<1.0	<0.13	<0.13	<0.13	<0.13	225	154	807*	640	0.74	<0.13	4.7	3.7	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	700	140
Isopropylbenzene	(µg/l)	<0.23	NA	<0.12	<0.12	<0.12	<0.12	11	35	27	39	0.39	<0.12	3.5	2.3	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	-	-
Methylene Chloride	(µg/l)	1.14	NA	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	46*	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	5	0.5
Naphthalene	(µg/l)	<0.54	NA	<0.082	<0.082	<0.082	<0.082	32	96*	72*	23	1.6	<0.082	0.27	2.9	0.35	<0.082	<0.082	<0.082	0.24	<0.082	<0.082	<0.082	<0.082	<0.082	40	8
n-Butylbenzene	(µg/l)	<0.76	NA	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<8.9	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	-	-
n-Propylbenzene	(µg/l)	<0.36	NA	<0.12	<0.12	<0.12	<0.12	22	81	65	106	0.57	<0.12	6.6	2.4	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	-	-
p-Isopropyltoluene	(µg/l)	<0.52	NA	<0.13	<0.13	<0.13	<0.13	4.8	2.9	16	4.9	0.14	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	-	-
sec,tert-Butylbenzene	(µg/l)	<0.63	NA	<0.28	<0.28	<0.28	<0.28	4.2	5.45	<13.8	11	<0.28	<0.28	<0.28	<0.28	0.54	<0.28	<0.28	<0.28	0.24	<0.28	<0.28	<0.28	<0.28	<0.28	-	-
Tetrachloroethene	(µg/l)	1.06	NA	3.7	2.2	1.7	2.2	<0.14	<0.14	<7.1	<0.14	<0.14	<0.14	<0.14	<0.14	3.8	1.0	3.2	3.5	1.4	0.52	1.7	1.8	<0.14	<0.14	5	0.5
Toluene	(µg/l)	<0.11	<1.0	<0.11	<0.11	<0.11	<0.11	2.1	2.3	<0.11	3.3	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	1000	200
Total Trimethylbenzenes	(µg/l)	0.62	<2.0	<0.23	<0.23	<0.23	<0.23	942*	707*	1163*	959*	6.6	<0.23	4.0	11.6	0.95	<0.23	<0.23	<0.23	0.41	<0.23	<0.23	<0.23	<0.23	<0.23	480	96
trans-1,2-Dichloroethylene	(µg/l)	0.58	NA	0.97	0.78	0.81	0.86	<0.17	<0.17	<8.6	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	0.22	NA	<0.17	<0.17	NA	100	20
Trichloroethene	(µg/l)	4.67	NA	11*	8.3*	6.8*	6.2*	<0.098	<0.098	<4.9	<0.098	<0.098	<0.098	0.5	<0.098	5.7*	3.5	5.2*	4.8	2.1	1.4	2.7	2.3	0.22	<0.098	5	0.5
Vinyl Chloride	(µg/l)	<0.31	NA	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<12	<0.23	<0.23	1*	4*	3*	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	0.2	0.02
Xylenes	(µg/l)	1.38	<2.0	<0.3	<0.3	<0.3	<0.3	479	364	3620	1420	7.2	<0.3	6.5	12	1.1	<0.3	<0.3	<0.3	0.46	<0.3	<0.3	<0.3	<0.3	<0.3	10,000	1,000
PAH																											
Acenaphthene	(µg/l)	<3.0	<0.11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-
Anthracene	(µg/l)	2.4	<0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3000	600
Benzo(a)Pyrene	(µg/l)	<0.44	<0.06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.2	0.02
Benzo(b)Fluoranthene	(µg/l)	<0.26	<0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.2	0.02
Benzo(ghi)Perylene	(µg/l)	<0.48	<0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-
Dibenzo(a,h)Anthracene	(µg/l)	<0.54	<0.06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-
Fluoranthene	(µg/l)	<0.48	<0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	400	80
Fluorene	(µg/l)	<0.12	6.53	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	400	80
1-Methyl Naphthalene	(µg/l)	<2.0	14.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-
2-Methyl Naphthalene	(µg/l)	<1.9	<0.07	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-
Phenanthrene	(µg/l)	<0.24	<0.08	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-
Pyrene	(µg/l)	<0.82	<0.17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	250	50
Naphthalene	(µg/l)	<1.5	<0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40	8
Sulfate	(mg/l)	NA	NA	150	141	NA	NA	19	2.2	NA	NA	97	NA	NA	NA	135	167	NA	NA	70	67	NA	NA	NA	NA	250**	125**
Nitrate/Nitrite	(mg/l)	NA	NA	<0.069	<0.069	NA	NA	<0.069	<0.069	NA	NA	0.79	NA	NA	NA	<0.069	0.084	NA	NA	2.4	0.87	NA	NA	NA	NA	10	2
Lead	(µg/l)	NA	NA	<0.73	<0.73	<0.81	NA	25*	3.6	14	NA	<0.73	<0.73	<0.73	NA	<0.73	<0.73	<0.73	NA	5.9	0.97	2.6	NA	<0.73	NA	15	1.5

** Public Welfare Standard (NR140.12)

ES = WDNR NR 140 Enforcement Standard established March 2000.

PAL = WDNR NR 140 Preventive Action Limit established March 2000.

25.3*	NR 140 ES Exceedance
16.2	NR 140 PAL Exceedance

- No published standard in NR140

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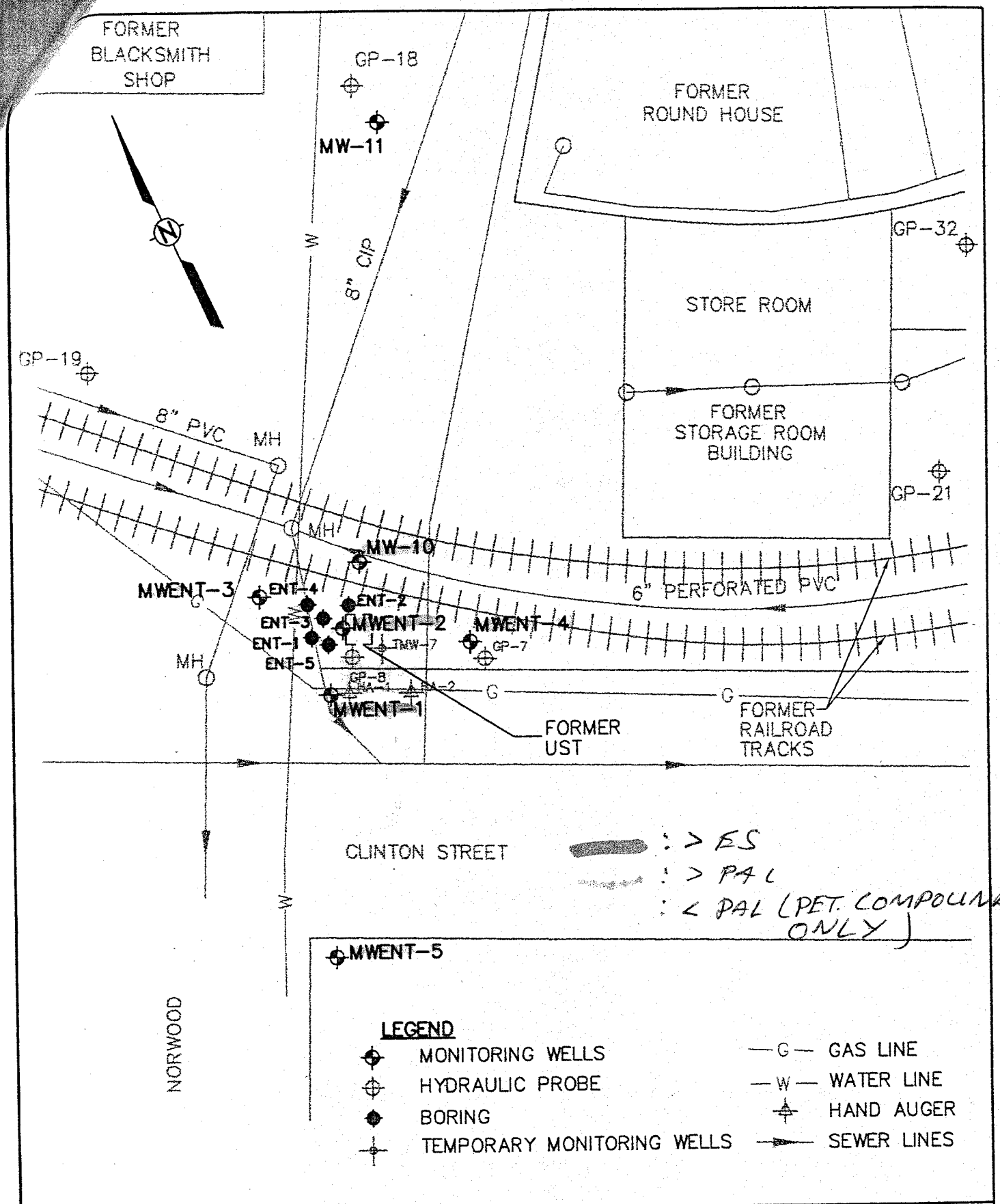
Table 2
Field Data
Fox Valley & Western, Ltd.
Entrance UST - Norwood Yard
Green Bay, Wisconsin

Date	Well I.D.	Depth to Water TPVC (Feet)	Elevation TPVC (Feet)	Groundwater Elevation (Feet)	After Sampling Dissolved Oxygen (mg/L)	Ferrous Iron (mg/L)	Temp (C)	pH (Units)	Conductivity (umhos/cm)	Color	Odor	Purged
8/7/00	MW-10	6.24	105.89	99.65	5	0.2	21.4	6.55	860	Lt. Brown	None	4, dry
11/28/00		7.22		98.67	3	0.4	8.4	6.88	1030	Lt. Brown	None	4, dry
3/20/01		6.68		99.21	5	0.2	8.5	6.93	1241	Clear	None	3
5/18/01		6.52		99.37	5	--	15.6	6.90	940	Lt. Brown	None	5, dry
8/7/00	MW-11	6.10	106.61	100.51	2	0.2	21.4	6.69	830	Clear	None	8, dry
11/28/00		7.27		99.34	3	0.2	9.5	6.96	1040	Clear	None	4, dry
5/18/01		6.56		100.05	--	--	15.7	7.11	1020	Brown	Slight	3, dry
8/7/00	MWENT-1	7.77	105.14	97.37	1	0.2	24.2	6.8	610	Clear	None	1.5, dry
11/28/00		7.56		97.58	0.1	6	8.9	7.02	720	Clear	Gas	1.5, dry
3/20/01		7.40		97.74	<1	4	8.8	6.96	911	Clear	Yes	1, dry
5/18/01		8.60		96.54	1	--	15.6	6.99	713	Clear	Yes	2, dry
8/7/00	MWENT-2	5.44	104.27	98.83	1	0.4	24.8	6.81	720	Clear	Yes	2.5, dry
11/28/00		6.42		97.85	2	1	7.0	7.17	1020	Clear	Slight	2, dry
3/20/01		5.05		99.22	1	0.6	8.6	7.03	1189	Clear	None	1.5, dry
5/18/01		6.03		98.24	2	--	15.3	7.09	895	Clear	Yes	2, dry
8/7/00	MWENT-3	6.56	104.77	98.21	5	0.2	24.0	6.80	770	Clear	None	2, dry
11/28/00		6.95		97.82	1	0.1	8.7	7.01	840	Clear	None	2, dry
3/20/01		6.44		98.33	1	0.2	9.6	7.03	925	Clear	None	1, dry
5/18/01		6.82		97.95	1	--	15.0	7.01	855	Clear	None	2, dry
8/7/00	MWENT-4	5.39	104.34	98.95	1	1	24.7	7.17	540	Brown	None	2.5, dry
11/28/00		6.16		98.18	1	1	8.7	6.99	710	Clear	None	2, dry
3/20/01		5.04		99.30	4	0.4	9.2	7.28	848	Clear	None	1.5, dry
5/18/01		5.55		98.79	6	--	15.8	7.34	740	Clear	None	--
11/28/00	MWENT-5	6.5	102.4	95.90	6	0.1	9.5	7.38	1120	Clear	None	2, dry
3/20/01		5.79		96.61	6	0.1	8.6	7.29	1275	Clear	None	1, dry
5/18/01		6.35		96.05	6	--	15.6	7.33	1015	Clear	None	0.5, dry

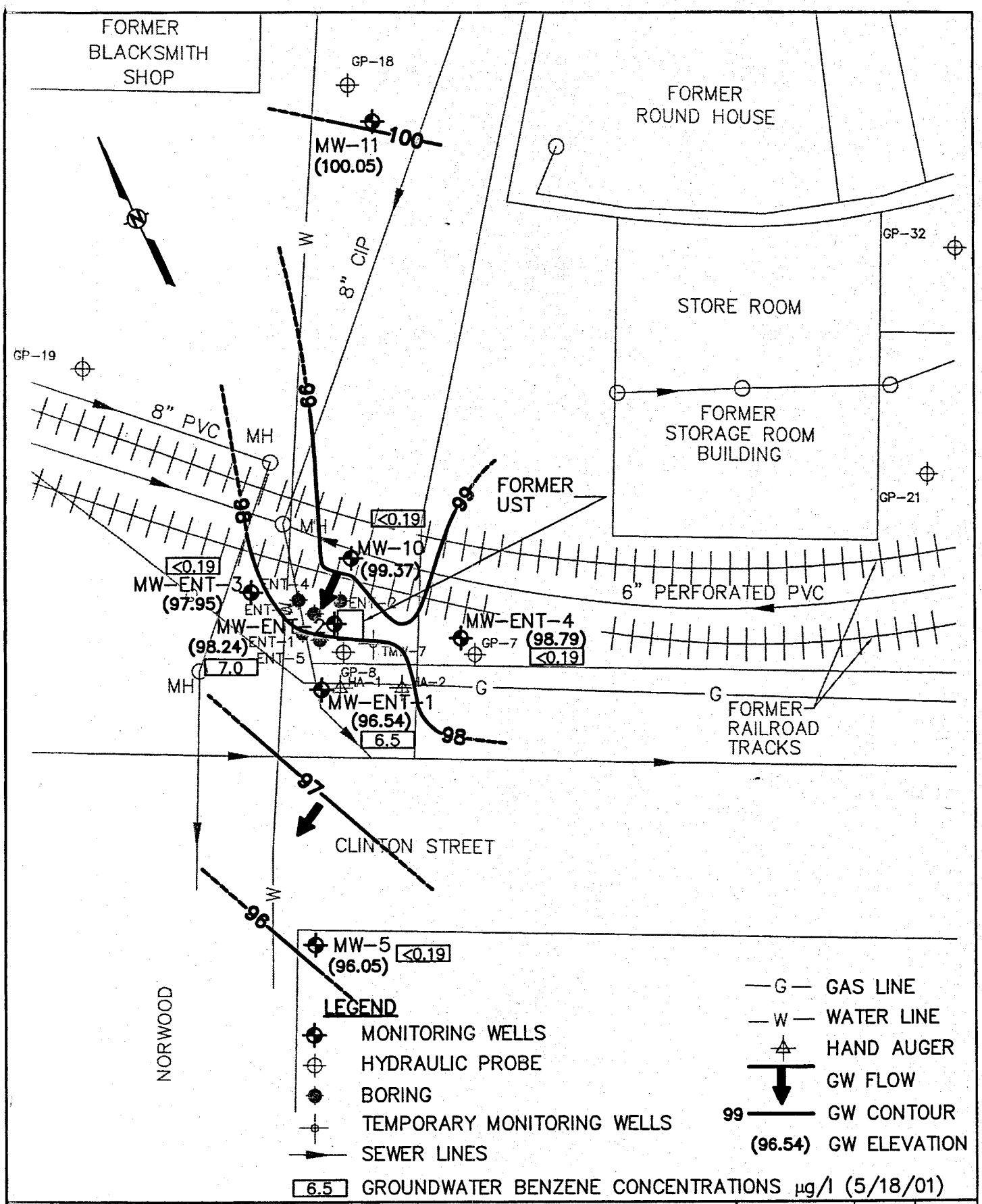


STS Consultants Ltd.
Consulting Engineers

BORING AND MONITORING WELL MAP
FORMER GREEN BAY & WESTERN RAILROAD
NORWOOD YARD
NORWOOD STREET ENTRANCE UST (SITE 3)
GREEN BAY, WISCONSIN

DRAWN BY	JLC	1/10/01
CHECKED BY	PJM	1/10/01
APPROVED BY		
CADFILE G462E011.dwg	SCALE 1"=30'	
STS PROJECT NO. 15862WE	FIGURE NO. 3	

GROUNDWATER SAMPLING



STS Consultants Ltd.
Consulting Engineers

GROUNDWATER CONTOUR MAP (5/18/01)
FORMER GREEN BAY & WESTERN RAILROAD
NORWOOD YARD
NORWOOD STREET ENTRANCE UST (SITE 3)
GREEN BAY, WISCONSIN

DRAWN BY	JLC	12/11/00
CHECKED BY	RJM	7/10/01
APPROVED BY		
CADFILE 15862WE001.dwg	SCALE 1"=30'	
STS PROJECT NO. 15862WE	FIGURE NO. 2	

STATEMENT OF PROPERTY LEGAL DESCRIPTION

As required by s.NR 726.05(3)f of the Wisconsin Administrative Code, I am providing this signed statement that to the best of my knowledge the legal descriptions that are attached to this statement are complete and accurate for the property located at 840 Clinton Street, Green Bay, Wisconsin.

X Gene Timm 8/27/02
(Signature) (Date)

GENE TIMM
(Name)

ASSET MANAGER
(Title)

FOX VALLEY & WESTERN LTD
(Company)

STS CONSULTANTS

STS Consultants, Ltd.
1035 Kepler Drive
Green Bay, Wisconsin 54311-8320

voice 920-468-1978
fax 920-468-3312
web www.stsconsultants.com

July 2, 2002

Mr. Ray Kurth, Principal Engineer
City of Green Bay
100 North Jefferson Street
Green Bay, Wisconsin 54301

Re: Notification of Potential for Residual Petroleum Impacts to Remain on City of Green Bay Right-of-Way Adjoining the Canadian National/Wisconsin Central Division Norwood Yard Entrance Underground Storage Tank Site, 840 Clinton Street, Green Bay, Wisconsin -- **WDNR BRRTS ID No. 03-05-204878 -- PECFA ID No. 54303-1616-40B** -- STS Project No. 15862WE

Dear Mr. Kurth:

On behalf Canadian National/Wisconsin Central Division (CN/WC), STS Consultants, Ltd. (STS), has prepared this notification for the Norwood Yard at 840 Clinton Street. This notification is being submitted in accordance with requirements in the November 5, 2001, letter from the Wisconsin Department of Natural Resources (WDNR) providing conditional case closure of the project.

With this letter, CN/WC is notifying the City of Green Bay that there is a potential for petroleum-impacted soil and groundwater to exist on the City right-of-way adjacent to the 840 Clinton Street property, primarily in the vicinity of Soil Sample Locations GP-8 and TMW-7 at a depth of 3 feet below ground surface. The site location is depicted on Figure 1.

If you have any questions or comments, please contact Mr. Bob Mottl of STS in Green Bay at (920) 406-3147. A copy of this letter will be provided to the WDNR.

Sincerely,

STS CONSULTANTS, LTD.

Robert J. Mottl

Robert J. Mottl, P.G.
Project Geologist

Jeanne M. Tarvin /RJM

Jeanne M. Tarvin, P.G.
Principal Hydrogeologist

Enclosure:
Figure 1 - Boring and Monitoring Well Map

Copy: Ms. Nina Sayyat
Canadian National Railway Properties
277 Front Street West, Eight Floor
Toronto, Ontario M5V 2X7
Canada

(C462E009.DOC)

100-LH-9 (4/02)