GIS REGISTRY INFORMATION

SITE NAME:	Plymouth Foundry (Former)		
BRRTS #:	03-46-189407	**FID #** (if appropriate):	
COMMERCE # (if appropriate):	53024-1902-19		
CLOSURE DATE:	July 1, 2004		
STREET ADDRESS:	1019 11th Ave		
CITY:	Grafton		

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection):	**X =**	685933		**Y =**	318706	
CONTAMINATED MEDIA:	Groundwater		Soil	x	Both	
OFF-SOURCE GW CONTAMINATION >ES:		Yes			No	x
• **IF YES, STREET ADDRESS:**						
• **GPS COORDINATES** (meters in WTM91 projection):	**X =**			**Y =**		
OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL):		Yes		No	x	
• **IF YES, STREET ADDRESS 1:**						
• **GPS COORDINATES** (meters in WTM91 projection):	**X =**			**Y =**		
CONTAMINATION IN RIGHT OF WAY:	Yes			No	x	

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)	
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	
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
Cory L. Nettles, Secretary

July 1, 2004

Ms. Kris Hughes
N3820 County Road NN
Cascade, WI 53011

RE: **Final Closure**

Commerce # 53024-1902-19A WDNR BRRTS # 03-46-189407
Plymouth Foundry (Former), 1019 11th Avenue, Grafton

Dear Ms. Hughes:

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 address residual soil contamination. It is in your best interest to keep all documentation related to the environmental activities that were conducted.

Commerce understands that the GIS registry has been chosen to meet the first condition of closure in lieu of recording a soil deed notification. Additionally, the responsibility for abandoning the groundwater monitoring wells associated with this case has been transferred to the "B" occurrence, Commerce #53024-1902-19B (BRRTS # 02-46-189396), to meet the second condition of closure. The monitoring wells will be abandoned, and the appropriate documentation submitted to the Wisconsin Department of Natural Resources, when closure is approved for the "B" occurrence. The transfer of responsibility for the wells is stated in the June 24, 2004 *Case Closure and GIS Packet Submittal.*

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) 220-5361.

Sincerely,

Monica Weis

Monica L. Weis
Hydrogeologist
Site Review Section

cc: Mr. Kendrick Ebbott, Alpha Terra Science, Inc.
Ms. Nancy Ryan, WDNR
Case File

Wisconsin
Department of Commerce

ENVIRONMENTAL & REGULATORY SERVICES
101 West Pleasant Street Suite 205
Milwaukee, Wisconsin 53212
TDD #: (608) 264-8777
Fax: (414) 220-5374
www.commerce.state.wi.us
Tommy G. Thompson, Governor
Brenda J. Blanchard, Secretary

April 4, 2000

Ms. Kris Hughes
Estate of Richard Goldberg
N3820 County Road NN
Waldo, WI 53093

RE: **COMMERCE # 53024-1902-19A** WDNR Brrt # 03-46-189407
Plymouth Foundry (former), 1019 N. 11th Ave., Grafton, WI 53024

Petroleum impacts - former gasoline USTs

Case Closure (conditional upon receipt of documentation)

Dear Ms. Hughes:

On February 11, 2000 the Wisconsin Department of Natural Resources transferred this site to the Wisconsin Department of Commerce for regulatory oversight. On behalf of the Wisconsin Department of Commerce, I have reviewed this case for closure.

Using the standards established in NR 700, and the risk criteria of Comm 46, the Department has determined that the residual petroleum impacts at the former gasoline UST locations do not pose a significant threat to the environment and human health, and no further investigation or remedial action is necessary. In making this determination, I reviewed the following documents prepared by Alpha Terra Science.

- *Site Investigation Work Plan . . .*, August 27, 1998
- *Case Closure Summary*, January 11, 2000

If, in the future, site conditions indicate that any contamination that might remain poses a threat, the need for further remediation would be determined and required if necessary. If subsequent information indicates a need to reopen this case, any original claim under the PECFA fund would also reopen and you may apply for assistance to the extent of remaining eligibility.

IMPORTANT: we cannot list this case as "closed" on our computer database until we receive the following items. Please submit them to my attention at the letterhead address.

1. A notification must be placed on the 1019 N. 11th Avenue property deed addressing residual petroleum impacts in soil, in the area of the former gasoline USTs. For case closure we will need a copy of the deed notification that contains the County Register of Deeds' recording information.

   Enclosed is an example of a "Notice of Contamination to Property" for your use. If you wish to modify the language, submit a copy to this office for review prior to filing.

2. Abandonment documentation for monitoring wells MW-19, 22, 31, and 32.

   Note: If you would like to keep any of the monitoring wells open for use in connection with either of the fuel oil AST investigations/remediations, please let us know which well(s) will not be abandoned at this time.

3. Abandonment documentation for the borings/temporary monitoring wells.

The documents prepared by Alpha Terra Science are complete and in accordance with State of Wisconsin Administrative Code and guidelines. This expedited case closure review. The maps and background information were particularly helpful in explaining the relationship between the three release areas to each other and to the off-site chlorinated compound source areas.

Thank you for your efforts in the protection of the environment. If you have any questions, please call me at (414) 220-5372.

Sincerely,

COPY

Nancy S. Kochis
Hydrogeologist
PECFA Site Review Section

enclosure

cc: Kendrick A. Ebbott, Alpha Terra Science (with enclosure)
electronic case file

VOL 1583 PAGE 361
RECORDED

2002 DEC -6 AM 8:30

C

REGISTER OF DEEDS
OZAUKEE COUNTY, WI

FEE
$ 77.25 (15s)
EXEMPT

QUIT CLAIM DEED

Helen E. Goldberg, a single person ("Grantor"), quit claims to Richard J. Goldberg LLC, a Wisconsin limited liability company ("Grantee"), the following described real estate in the Village of Grafton, Ozaukee County, State of Wisconsin:

SEE ATTACHED EXHIBIT A.

Together with all appurtenant rights, title and interests.

This is not homestead property.

Dated: November 26, 2002.

RETURN TO:
CASTNER LAW OFFICES
P.O. BOX 164
GRAFTON, WI 53024 $12

PIN: 10-073-10-01-000 *

By: Helen E. Goldberg (SEAL)
Helen E. Goldberg

AUTHENTICATION

Signature of Helen E. Goldberg authenticated
_____, 200__

_____
Stephen L. Castner

TITLE: MEMBER STATE BAR OF WISCONSIN

ACKNOWLEDGMENT

STATE OF WISCONSIN)
) ss.
OZAUKEE COUNTY)

Personally came before me this 26th day of November, 2002, the above named Helen E. Goldberg, to me known to be the person who executed the foregoing instrument and acknowledged the same.

Kathryn J. Reinders
Kathryn J. Reinders
Notary Public Ozaukee County, Wis.
My Commission is permanent. (If not, state expiration. date 6/9/2005).

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

This instrument was drafted by:
Attorney Stephen L. Castner
1650 Ninth Avenue, Post Office Box 164
Grafton, Wisconsin 53024-0164
Telephone: (262) 377-9377

KATHRYN J. REINDERS
NOTARY
PUBLIC
STATE OF WISCONSIN

EXHIBIT A

Legal Description – Parcel # 10-073-10-01-000

That part of Lots One (1), Four (4), Five (5) and Eight (8) in Block Ten (10) of Johnson's Addition to the Village of Grafton, lying Easterly of the right of way of the Chicago, Milwaukee, St. Paul & Pacific Railroad.

Lots Two (2), Three (3), Six (6), Seven (7) Ten (10) and Eleven (11) in Block Ten (10) of Johnson's Addition to the Village of Grafton.

That part of Lots Nine (9) and Twelve (12) of Block Ten (10) in Johnson's Addition to the Village of Grafton, lying Easterly of the right of way of the Chicago, Milwaukee, St. Paul & Pacific Railroad.

The North Forty (40) feet of Lots Thirteen (13) and Fourteen (14) of Block Ten (10) in Johnson's Addition to the Village of Grafton, except that portion of Lot 13 owned by the Chicago, Milwaukee, St. Paul & Pacific Railroad.

EXCEPTING TEREFROM that portion thereof heretofore conveyed to [redacted] Company.

Recorded in the Register's Office of Ozaukee County, Wisconsin, on January 9, 1970, at 8:15 A.M. and recorded in Vol. 261 of Records on pages 143-144 as document No. 232570.

Tax Key No.
10-073-10-01-000

BRRTS # 02 46 189401
AFFECTS LOTS 1 & 2 ONLY

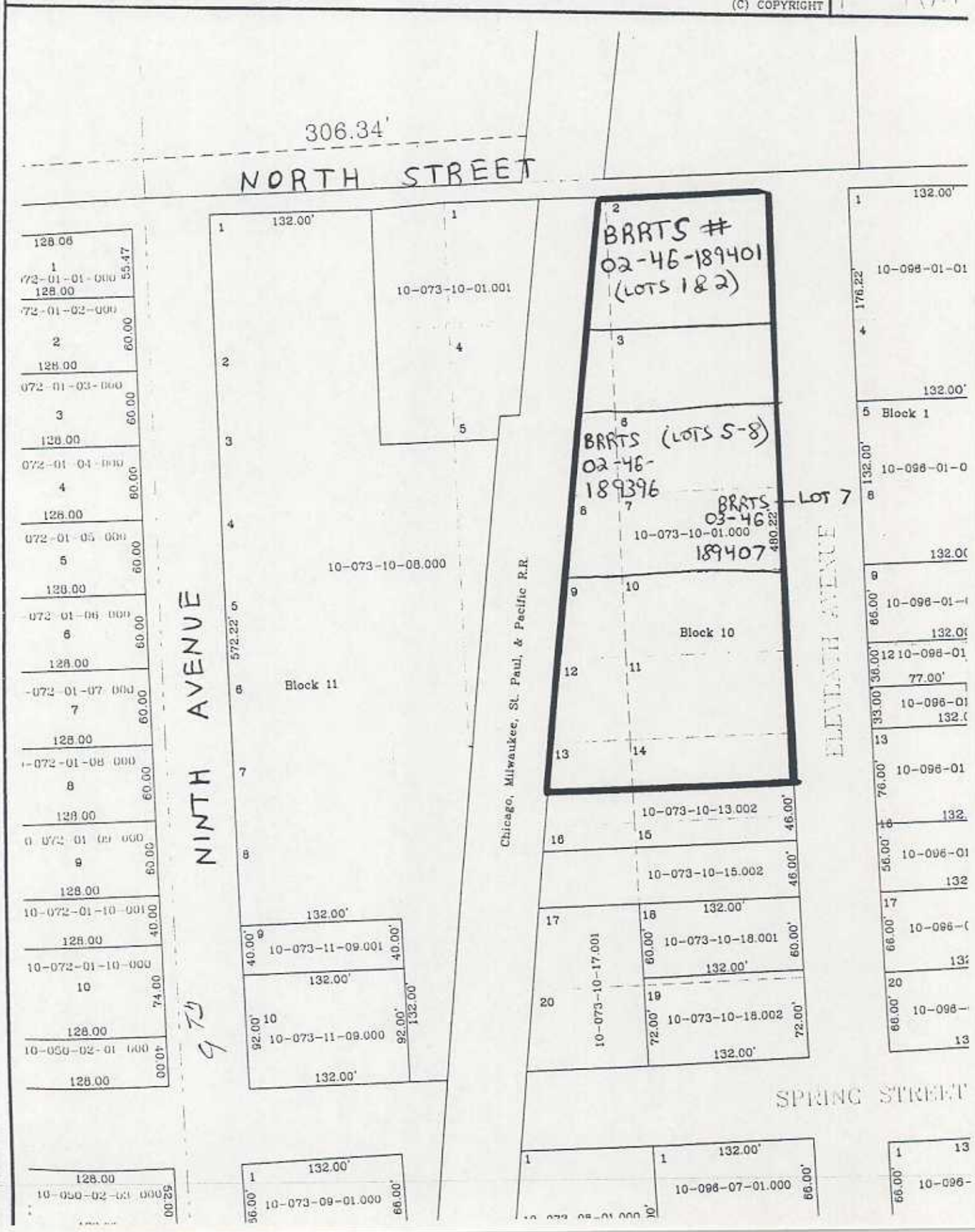
BRRTS # 02 46 189396
AFFECTS LOTS 5, 6, 7, 8 ONLY

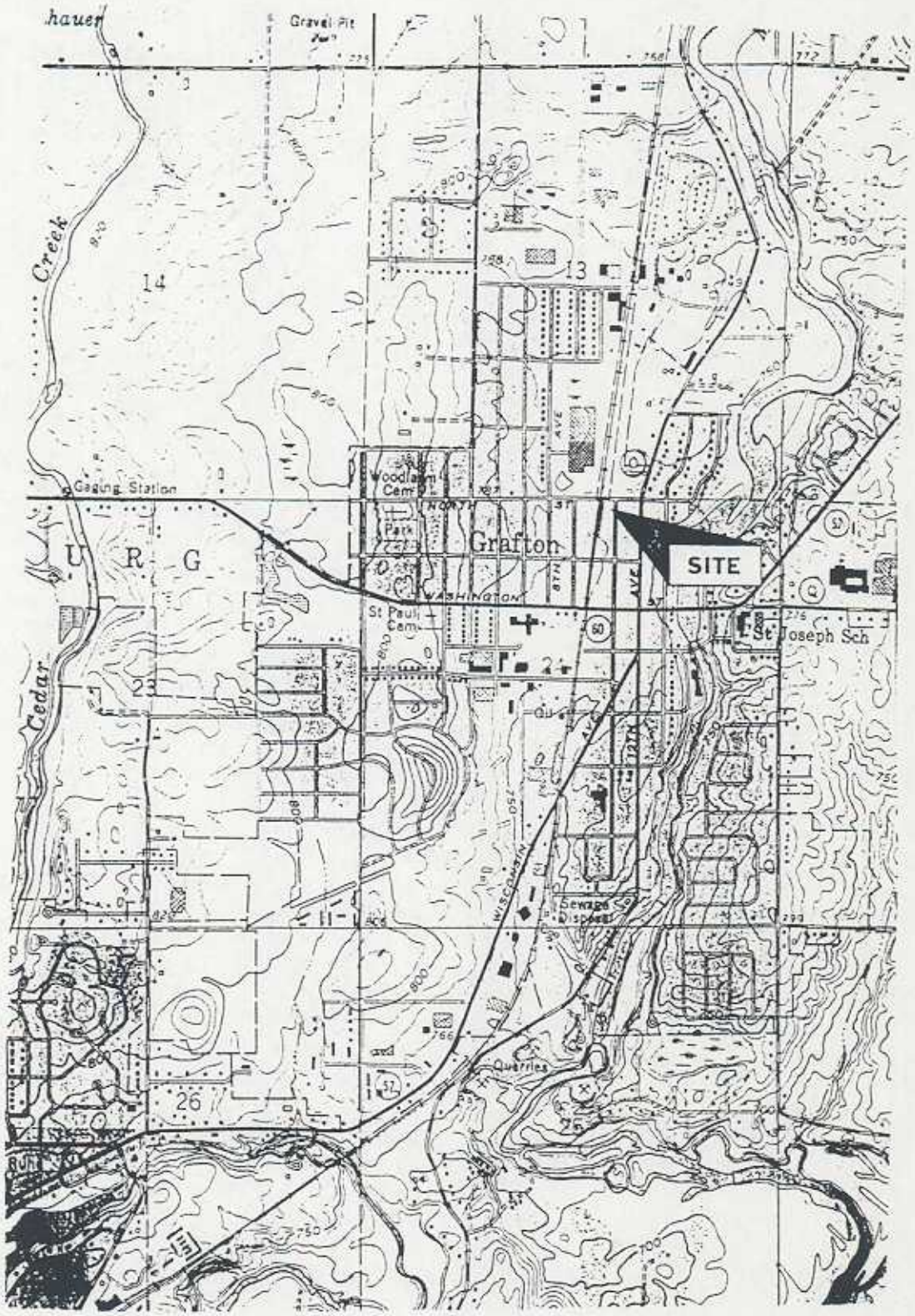
BRRTS # 03 46 189407
AFFECTS LOT # 7 ONLY

Compilation is by Coordinate Geometry

NW 1/4 NE 1/4 SECTION 24 T 10 R 21

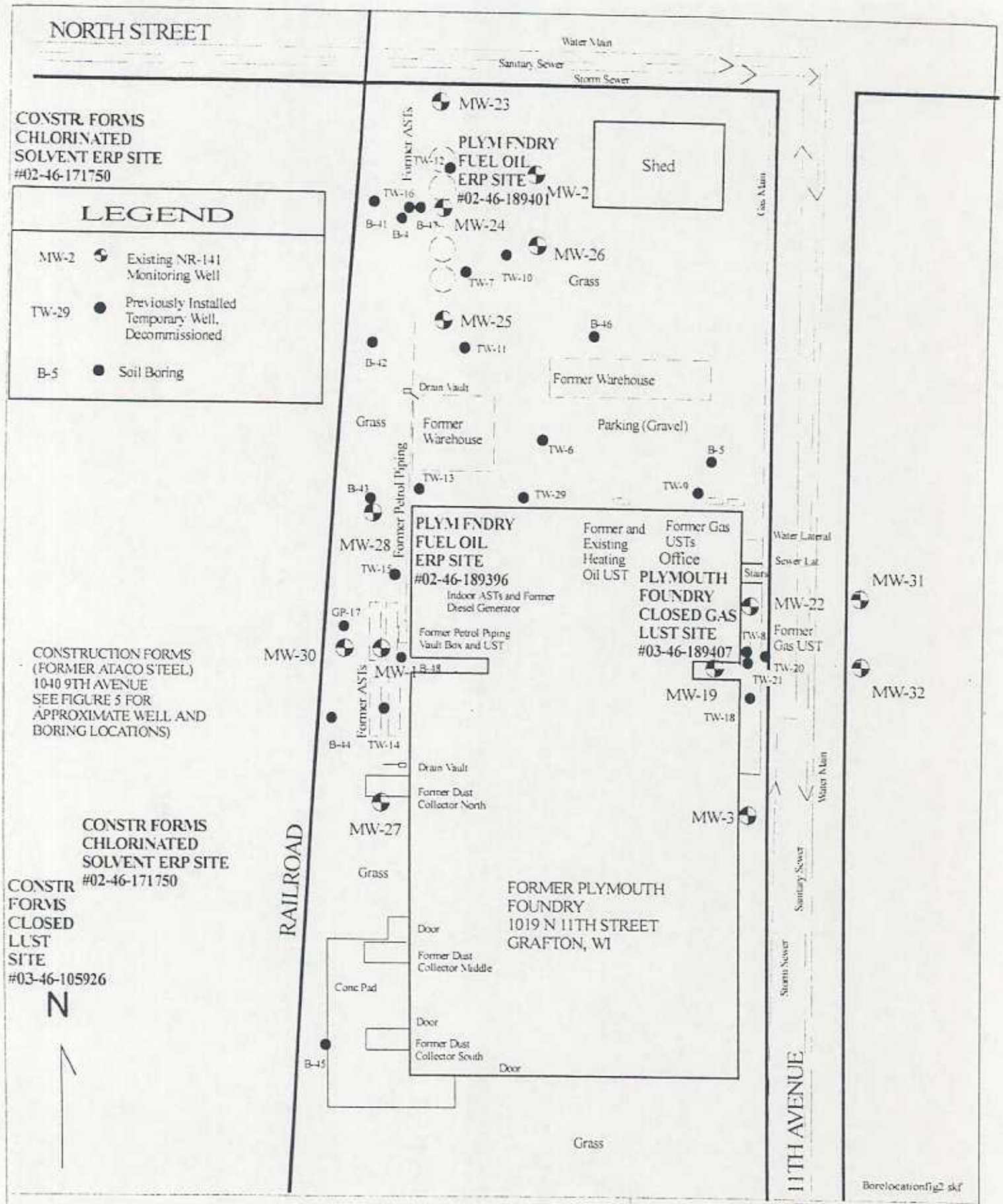
(C) COPYRIGHT





Base Map USGS 7.5' Cedarburg Quadrangle, Revised 1994

Title: **Site Location and Local Topography**	ALPHA TERRA SCIENCE
Project: **Site Investigation**	SCALE: 1 : 24,000 / DWG NO: FIGURE 1
Client: **Former Plymouth Foundry Property, Grafton, WI**	DRAWN BY: K A E / DATE: Jan 12, 2000



Title: Well and Boring Locations

Project: Site Closure

Location: Former Plymouth Foundry Property, Grafton, WI

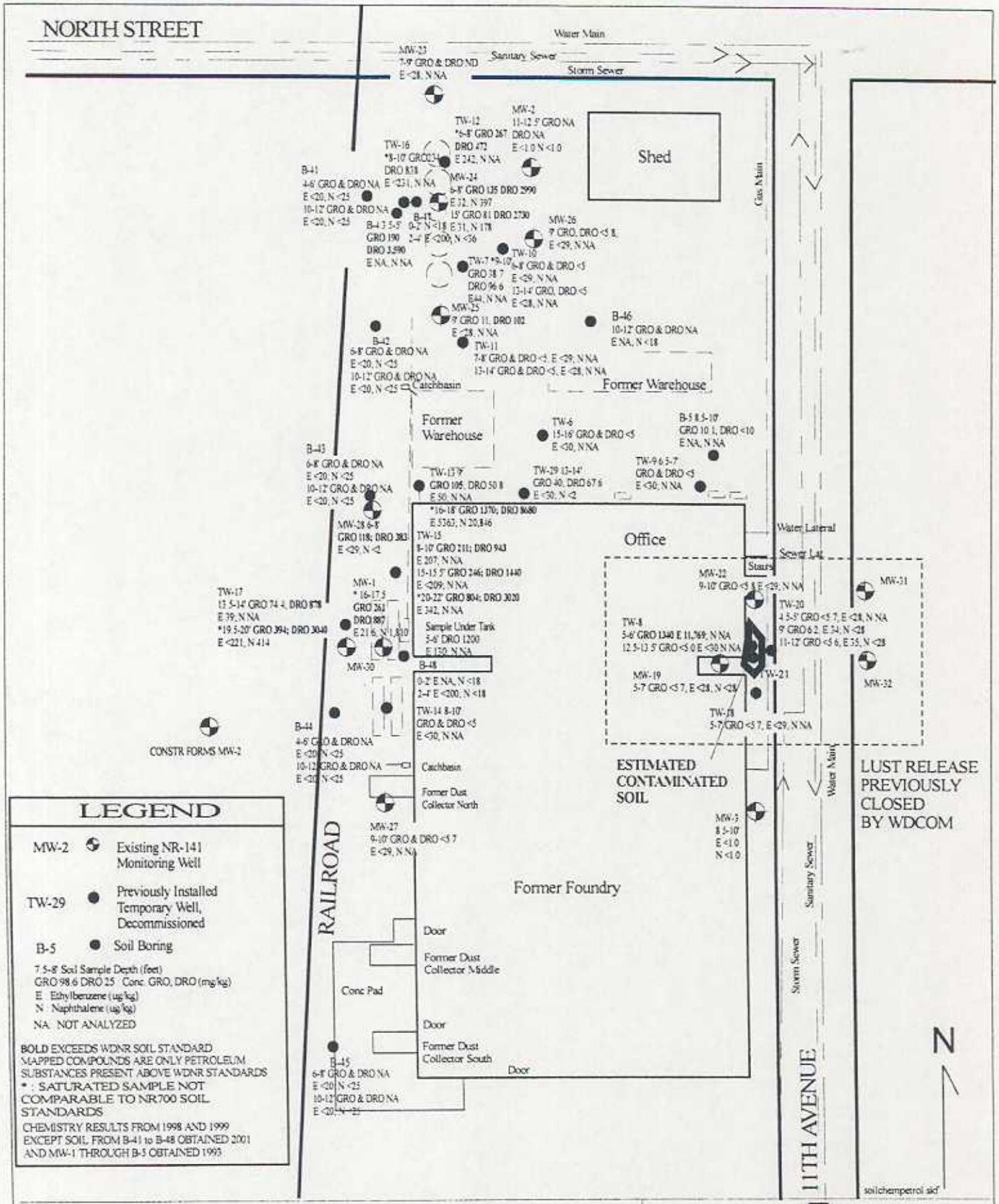
ALPHA TERRA SCIENCE

1" = 60'

FIGURE 2

KAE

Feb 2, 2004



LEGEND

MW-2 — Existing NR-141 Monitoring Well

TW-29 — Previously Installed Temporary Well, Decommissioned

B-5 — Soil Boring

7.5-8' Soil Sample Depth (feet)
GRO 98.6 DRO 25 Conc. GRO, DRO (mg/kg)
E Ethylbenzene (ug/kg)
N Naphthalene (ug/kg)
NA NOT ANALYZED

BOLD EXCEEDS WDNR SOIL STANDARD
MAPPED COMPOUNDS ARE ONLY PETROLEUM SUBSTANCES PRESENT ABOVE WDNR STANDARDS
* : SATURATED SAMPLE NOT COMPARABLE TO NR700 SOIL STANDARDS
CHEMISTRY RESULTS FROM 1998 AND 1999 EXCEPT SOIL FROM B-41 to B-48 OBTAINED 2001 AND MW-1 THROUGH B-5 OBTAINED 1993

Title: SOIL CHEMISTRY RESULTS: PETROLEUM COMPOUNDS ABOVE NR 700 STANDARDS

Project: Site Closure Request

Client: Former Plymouth Foundry Property, Grafton, WI

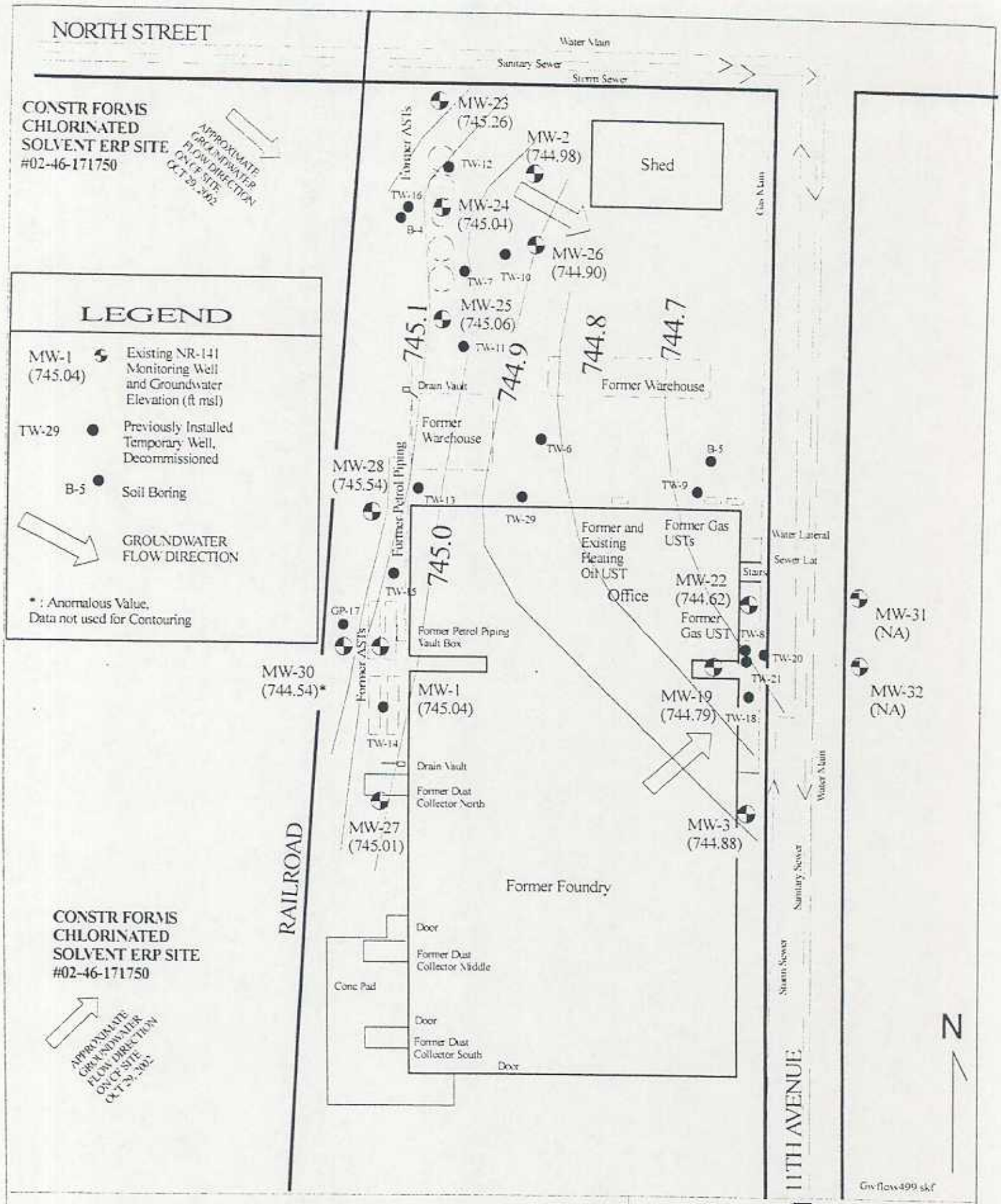
ALPHA TERRA SCIENCE

Scale: 1" = 60'

Fig. No.: FIGURE 3

Drawn by: K A E

Date: January 29, 2004



Title: Groundwater Flow Direction : April 5, 1999

Project: Site Closure

Site: Former Plymouth Foundry Property, Grafton, WI

ALPHA TERRA SCIENCE

Scale: 1" = 60'

Drawn: KAE

FIGURE 6

Date: Feb 2, 2004

TABLE 1 : SOIL CHEMISTRY RESULTS
Former Plymouth Foundry Site, Grafton, Wisconsin

SOIL SAMPLE I.D.	DEPTH (feet)	FIELD PID (s.u.)	Wet ?	LABORATORY RESULTS: Lead (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	Petroleum Volatile Organic Compounds (ug/kg): Benzene	Ethyl benzene	Toluene	Xylenes	Methyl-t-butyl ether	124-Trimethyl benzene	135-Trimethyl benzene
WI ADMIN CODE													
NR 720 Residual Contaminant Levels (potential leach to GW)				NS	100 / 250	100 / 250	5.5	2,900	1,500	4,100	NS	NS	NS
NR 746 Soil Screening Levels (free product potential)				NS	NS	NS	8,500	4,600	38,000	42,000	NS	83,000	11,000
NR 746 Direct Contact Levels (top 4')				50/500 +	NS	NS	1,100	NS	NS	NS	NS	NS	NS
1993 Investigation Results													
MW-1, West of Building	16-17.5	225	YES***	*** See Results in Saturated Soil Section Below									
MW-2, East of ASTs	11-12.5	0.0	NO	7.5	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-3, East of Building	8.5-10	0.0	NO	6.3	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
B-4, At ASTs	3.5-5	218	NO	NA	190	3,590	NA	NA	NA	NA	NA	NA	NA
B-5, NE Corner Building	8.5-10	0.0	NO	NA	10.1	<10	NA	NA	NA	NA	NA	NA	NA
1998-1999 Investigation Results													
NORTH NEAR FOUNDRY BUILDING													
TW-6, Parking Lot	15-16	11.2	NO	NA	<5.0	<5.0	<30	<30	<30	<30	<30	<30	<30
TW-29, By Building on North	13-14	22.7	NO	NA	40.0	67.7	<30	<30	<30	30	<30	<30	<30
TW-9, Former USTs, NE Corner	6.5-7	0.0	YES	NA	<5.0	<5.0	<30	<30	<30	<30	<30	<30	<30
NORTHWEST AST's													
TW-7, at ASTs	9-10	4	YES	*** See Results in Saturated Soil Section Below									
MW-24, at ASTs	6-8	123	NO	NA	135	2,990	<28	32	<28	162	<28	740	475
MW-24, at, ASTs	15	48	NO	NA	61	2,730	<29	31	<29	79	<29	318	435
TW-16, West of ASTs	8-10	59	YES	*** See Results in Saturated Soil Section Below									
TW-10, East of ASTs	6-8	0.9	YES	NA	<5.0	<5.0	<29	<29	<29	<29	<29	<29	<29
TW-10, East of ASTs	13-14	0.4	YES	NA	<5.0	<5.0	<28	<28	<28	<28	<28	<28	<28
MW-26, SE of ASTs	9.0	0.0	NO	NA	<5.8	<5.8	<29	<29	<29	<29	37*	<29	<29
TW-11, South of ASTs	7-8	0.4	YES	NA	<5.0	<5.0	<29	<29	<29	<29	<29	<29	<29
TW-11, South of ASTs	13-14	0.6	YES	NA	<5.0	<5.0	<28	<28	<28	<28	<28	<28	<28
MW-25, South of ASTs	9.0	1.9	NO	NA	11.0	102	<28	<28	<28	<28	<28	<28	<28
TW-12, North of ASTs	6-8	4.0	YES	*** See Results in Saturated Soil Section Below									
MW-23, North of ASTs	7-9	NA	NO	NA	<5.7	<5.7	<28	<28	<28	<28	39*	<28	<28
WEST OF FOUNDRY BUILDING : 1998													
TW-13, NW Corner Bldg	9	3.5	NO	NA	105	50.8	<30	50	<30	221	<30	<30	<30
TW-13, NW Corner Bldg	16-18	184	YES	*** See Results in Saturated Soil Section Below									
MW-28, NW Corner Bldg	6-8	9.8	NO	NA	118	383	<29	<29	<29	56	<29	<29	<29
TW-14, South of MW-1	8-10	2.0	YES	NA	<5.0	<5.0	<30	<30	<30	<30	<30	<30	<30
MW-27, South of MW-1	9-10	1.3	NO	NA	<5.7	<5.7	<29	<29	<29	<29	<29	<29	<29
TW-15, North of MW-1	8-10	31	NO	NA	211	943	<31	207	<31	180	<31	1,906	1,548
TW-15, North of MW-1	15-15.5	28	NO	NA	246	1,440	<209	<209	<209	<418	<209	2,597	1,415
TW-15, North of MW-1	20-22	89	YES	*** See Results in Saturated Soil Section Below									
1 : UST Removal Under Tank	5-6'	NA	NO	NA	NA	1,200	<100	130	<100	580	<100	2800	1600
TW-17, West of MW-1	13.5-14	29	NO	NA	74.4	878	<26	39	<26	36	<26	529	421
TW-17, West of MW-1	19.5-20	42	YES	*** See Results in Saturated Soil Section Below									

TABLE 1 : SOIL CHEMISTRY RESULTS
Former Plymouth Foundry Site, Grafton, Wisconsin

SOIL SAMPLE I.D.	DEPTH (feet)	FIELD PID (s.u.)	Wet ?	LABORATORY RESULTS: Lead (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	Petroleum Volatile Organic Compounds (ug/kg): Benzene	Ethyl benzene	Toluene	Xylenes	Methyl-t-butyl ether	124-Trimethyl benzene	135-Trimethyl benzene
WI ADMIN CODE													
NR 720 Residual Contaminant Levels (potential leach to GW)				NS	100 / 250	100 / 250	5.5	2,900	1,500	4,100	NS	NS	NS
NR 746 Soil Screening Levels (free product potential)				NS	NS	NS	8,500	4,600	38,000	42,000	NS	83,000	11,000
NR 746 Direct Contact Levels (top 4')				50/500 +	NS	NS	1,100	NS	NS	NS	NS	NS	NS
EAST OF FOUNDRY BUILDING @ GAS UST : 1998 CLOSED BY COMMERCE APRIL 2000													
TW-18, South	5 - 7	0.0	NO ?	3.0	<5.7	NA	<29	<29	<29	<29	34*	<29	<29
MW-19, West	5 - 7	0.0	NO	2.9	<5.7	NA	<28	<28	<28	<28	39*	<28	<28
TW-8, At Gas Dispenser	5 - 6	353.5	NO	NA	1340	NA	<1,190	**11769**	**2963**	**60274**	<1,190	**100,655**	**32,619**
TW-8, At Gas Dispenser	12.5-13.5	1.0	NO	NA	<5.0	NA	<30	<30	<30	<30	<30	<30	<30
TW-20, East in ROW	4.5-5	0.0	NO	2.3	<5.7	NA	<28	<28	<28	<28	29*	<28	<28
TW-20, East in ROW	9.0	2.3	NO	3.0	6.2	NA	<28	34	41	<28	28*	<28	<28
TW-20, East in ROW	11 - 12	0.0	NO	2.7	<5.6	NA	<28	35	<28	<28	39*	<28	<28
MW-22, North	9 - 10	0.7	NO	3.1	<5.8	NA	<29	<29	<29	<29	42*	<29	<29
SUMMARY OF BORINGS ALONG FORMER RAILROAD SPUR : DECEMBER 2001													
B41	4-6	0	Moist	NA	NA	NA	<15.0	<20	<21	<62	<14	<20	<11
B41	10-12	2.4	NO	NA	NA	NA	<15.0	<20	<21	<62	<14	<20	<11
B42	6-8	0	Moist	NA	NA	NA	<15.0	<20	<21	<62	<14	<20	<11
B42	10-12	0	NO?	NA	NA	NA	<15.0	<20	<21	<62	<14	<20	<11
B43	6-8	1.0	Moist	NA	NA	NA	<15.0	<20	<21	<62	<14	<20	<11
B43	10-12	15.5	NO	NA	NA	NA	<15.0	<20	<21	<62	<14	<20	<11
B44	4-6	112	Moist	NA	NA	NA	<15.0	<20	<21	<62	<14	<20	<11
B44	10-12	22.4	NO?	NA	NA	NA	<15.0	<20	<21	<62	<14	<20	<11
B45	6-8	1.0	Moist	NA	NA	NA	<15.0	<20	<21	<62	<14	<20	<11
B45	10-12	36.2	NO?	NA	NA	NA	<15.0	<20	<21	<62	<14	<20	<11
SUMMARY OF BORINGS TO DEFINE EXTENT OF PETROLEUM CONTAMINATION : DECEMBER 2001													
B46	10-12	2.4	Moist	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B47	0-2	0	Moist	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B47	2-4	0	Moist	NA	NA	NA	<150	<200	<210	<620	<140	<200	<110
B48	0-2	0	Moist	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B48	2-4	3.1	Moist	NA	NA	NA	<150	<200	<210	<620	<140	<200	<110
SUMMARY OF SATURATED SAMPLES INFLUENCED BY PERCHED OR PERMANENT GROUNDWATER													
MW-1, West of Building	16-17.5	225	YES	NA	261	887	<15.0	21.6	<15.0	402	<15.0	2,140	148
TW-7, at ASTs	9-10	4	YES	NA	38.7	96.6	<29	44	<29	184	<29	253	430
TW-12, North of ASTs	6-8	4.0	YES	NA	267	472	<233	242	<233	434	<233	2,053	1,000
TW-13, NW Corner Bldg	16-18	184	YES	NA	1,370	8,680	<2227	5,363	<2227	2,598	<2227	25,033	<2227
TW-15, North of MW-1	20-22	89	YES	NA	804	3,020	<219	342	<219	1,789	<219	5,256	5,897
TW-16, West of ASTs	8-10	59	YES	NA	234	838	<231	<231	<231	<462	<231	1,160	1,146
TW-17, West of MW-1	19.5-20	42	YES	NA	394	3,040	<221	<221	<221	<442	<221	2,031	<221

BOLD and BOX Exceeds NR 720 Generic Soil Standard

* : MTBE present in methanol used to preserve samples

NA : Not Analyzed

NS : No Standard

Xylenes is sum of m, p, and o xylene.

** : Generic Standard for Soils with Hydraulic Conductivity Greater than 10^{-6} cm / sec (100), and less than 10^{-8} (250)

+: Direct Contact at Non-Industrial Site / Industrial Site

++ Standard for Naphthalene from 1997 WDNR PAH Guidance, See PAH Clean up Levels

TABLE 1 : SOIL CHEMISTRY RESULTS
Former Plymouth Foundry Site, Grafton, Wisconsin

SOIL SAMPLE I.D.	DEPTH (feet)	FIELD PID (s.u.)	Wet ?	LABORATORY RESULTS Detected Volatile Organic Compounds (ug/kg) Styrene	i-Propyl benzene	N-Propyl benzene	t-Butyl benzene	s-Butyl benzene	N-Butyl benzene	1,2-Dichloro benzene	Naphthalene	p-Isopropyl toluene	1,1,1,2-Tetrachloro ethane	Tetrachloro ethene	Trichloro ethene
WI ADMIN CODE				NS	NS	NS	NS	NS	NS	NS	400 ++	NS	NS	NS	NS
NR 720 Residual Contaminant Levels (potential leach to GW)				NS	NS	NS	NS	NS	NS	NS	2,700	NS	NS	NS	NS
NR 746 Soil Screening Levels (free product potential)											20000/ 100000/				
NR 746 Direct Contact Levels (top 4')				NS	NS	NS	NS	NS	NS	NS	110000++	NS	NS	NS	NS
1993 Investigation Results															
MW-1, West of Building	16-17.5	225	YES***	*** See Results in Saturated Soil Section Below											
MW-2, East of ASTs	11-12.5	0.0	NO	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-3, East of Building	8.5-10	0.0	NO	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
B-4, At ASTs	3.5-5	218	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-5, NE Corner Building	8.5-10	0.0	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1998-1999 Investigation Results															
NORTH NEAR FOUNDRY BUILDING															
TW-6, Parking Lot	15-16	11.2	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TW-29, By Building on North	13-14	22.7	NO	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA
TW-9, Former USTs, NE Corner	6.5-7	0.0	YES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NORTHWEST AST's															
TW-7, at ASTs	9-10	4	YES	*** See Results in Saturated Soil Section Below											
MW-24, at ASTs	6-8	123	NO	NA	NA	NA	NA	NA	NA	NA	397	NA	NA	NA	NA
MW-24, at, ASTs	15	48	NO	NA	NA	NA	NA	NA	NA	NA	178	NA	NA	NA	NA
TW-16, West of ASTs	8-10	59	YES	*** See Results in Saturated Soil Section Below											
TW-10, East of ASTs	6-8	0.9	YES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TW-10, East of ASTs	13-14	0.4	YES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-26, SE of ASTs	9.0	0.0	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TW-11, South of ASTs	7-8	0.4	YES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TW-11, South of ASTs	13-14	0.6	YES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-25, South of ASTs	9.0	1.9	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TW-12, North of ASTs	6-8	4.0	YES	*** See Results in Saturated Soil Section Below											
MW-23, North of ASTs	7-9	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WEST OF FOUNDRY BUILDING : 1998															
TW-13, NW Corner Bldg	9	3.5	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TW-13, NW Corner Bldg	16-18	184	YES	*** See Results in Saturated Soil Section Below											
MW-28, NW Corner Bldg	6-8	9.8	NO	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA
TW-14, South of MW-1	8-10	2.0	YES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-27, South of MW-1	9-10	1.3	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TW-15, North of MW-1	8-10	31	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TW-15, North of MW-1	15-15.5	28	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TW-15, North of MW-1	20-22	89	YES	*** See Results in Saturated Soil Section Below											
1 : UST Removal Under Tank	5-6'	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TW-17, West of MW-1	13.5-14	29	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TW-17, West of MW-1	19.5-20	42	YES	*** See Results in Saturated Soil Section Below											

TABLE 1 : SOIL CHEMISTRY RESULTS
Former Plymouth Foundry Site, Grafton, Wisconsin

SOIL SAMPLE I.D.	DEPTH (feet)	FIELD PID (s.u.)	Wet ?	LABORATORY RESULTS Detected Volatile Organic Compounds (ug/kg) Styrene	i-Propyl benzene	N-Propyl benzene	t-Butyl benzene	s-Butyl benzene	N-Butyl benzene	1,2-Dichloro benzene	Naphthalene	p-Isopropyl toluene	1,1,1,2-Tetrachloro ethane	Tetrachloro ethene	Trichloro ethene
WI ADMIN CODE															
NR 720 Residual Contaminant Levels (potential leach to GW)				NS	NS	NS	NS	NS	NS	NS	**400 ++**	NS	NS	NS	NS
NR 746 Soil Screening Levels (free product potential)				NS	NS	NS	NS	NS	NS	NS	**2,700**	NS	NS	NS	NS
NR 746 Direct Contact Levels (top 4')				NS	NS	NS	NS	NS	NS	NS	**200000/ 100000/ 110000++**	NS	NS	NS	NS
EAST OF FOUNDRY BUILDING @ GAS UST : 1998 CLOSED BY COMMERCE APRIL 2000															
TW-18, South	5 - 7	0.0	NO ?	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-19, West	5 - 7	0.0	NO	<28	<28	<28	<28	<28	<28	<28	<28	<28	<28	<28	<28
TW-8, At Gas Dispenser	5 - 6	353.5	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TW-8, At Gas Dispenser	12.5-13.5	1.0	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TW-20, East in ROW	4.5-5	0.0	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TW-20, East in ROW	9.0	2.3	NO	<28	207	336	<28	<28	<28	<28	<28	<28	<28	<28	<28
TW-20, East in ROW	11 - 12	0.0	NO	<28	<28	<28	<28	<28	<28	<28	<28	<28	<28	<28	<28
MW-22, North	9 - 10	0.7	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SUMMARY OF BORINGS ALONG FORMER RAILROAD SPUR : DECEMBER 2001															
B41	4-6	0	Moist	<19	<20	<15	<12	<21	<22	<14	<25	<21	<15	<22	<23
B41	10-12	2.4	NO	<19	<20	<15	<12	<21	<22	<14	<25	<21	<15	<22	<23
B42	6-8	0	Moist	<19	<20	<15	<12	<21	<22	<14	<25	<21	<15	<22	<23
B42	10-12	0	NO?	<19	<20	<15	<12	<21	<22	<14	<25	<21	<15	<22	<23
B43	6-8	1.0	Moist	<19	<20	<15	<12	<21	<22	<14	<25	<21	<15	26	<23
B43	10-12	15.5	NO	<19	<20	18	<12	64	140	26	<25	<21	<15	<22	<23
B44	4-6	1.12	Moist	<19	<20	<15	<12	<21	<22	<14	<25	<21	<15	330	<23
B44	10-12	22.4	NO?	<19	<20	<15	<12	<21	<22	<14	<25	<21	<15	2500	38
B45	6-8	1.0	Moist	<19	<20	<15	<12	<21	<22	<14	<25	<21	<15	180	<23
B45	10-12	36.2	NO?	<19	<20	<15	<12	<21	<22	<14	<25	<21	23	3800	1500
SUMMARY OF BORINGS TO DEFINE EXTENT OF PETROLEUM CONTAMINATION : DECEMBER 2001															
B46	10-12	2.4	Moist	NA	NA	NA	NA	NA	NA	NA	<18	NA	NA	NA	NA
B47	0-2	0	Moist	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B47	2-4	0	Moist	<190	<200	<150	<120	<210	<220	<140	<250	<210	<150	<220	<230
B48	0-2	0	Moist	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B48	2-4	3.1	Moist	<190	<200	<150	<120	<210	<220	<140	<250	<210	<150	<220	<230
SUMMARY OF SATURATED SAMPLES INFLUENCED BY PERCHED OR PERMANENT GROUNDWATER															
MW-1, West of Building	16-17.5	225	YES	165	426	205	1,110	368	1,480	<100	**1,810**	<100	<100	<100	<15
TW-7, at ASTs	9-10	4	YES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TW-12, North of ASTs	6-8	4.0	YES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TW-13, NW Corner Bldg	16-18	184	YES	<2227	<2227	6,186	<2227	5,080	9,895	<2227	**20,846**	3,425	<2227	<2227	<2227
TW-15, North of MW-1	20-22	89	YES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TW-16, West of ASTs	8-10	59	YES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TW-17, West of MW-1	19.5-20	42	YES	<221	<221	<221	<221	2,733	<221	<221	**414**	<221	<221	360	<221

BOLD and BOX Exceeds NR 720 Generic Soil Standard

* : MTBE present in methanol used to preserve samples

NA : Not Analyzed

NS : No Standard

Xylenes is sum of m, p, and o xylene.

** : Generic Standard for Soils with Hydraulic Conductivity Greater than 10^{-6} cm / sec (100), and less than 10^{-8} (250)

+: Direct Contact at Non-Industrial Site / Industrial Site

++ Standard for Naphthalene from 1997 WDNR PAH Guidance, See PAH Clean-up Levels

TABLE 2: SOIL CHEMISTRY RESULTS: POLYAROMATIC HYDROCARBONS

Former Plymouth Foundry Site, Grafton, Wisconsin						LABORATORY RESULTS						
						Detected Polynuclear Aromatic Hydrocarbons (ug/kg)						
SOIL SAMPLE I.D.	DEPTH (feet)	FIELD PID (s.u.)	Wet ?	GRO (mg/kg)	DRO (mg/kg)	Benzo (b) Fluoranthene	Fluoranthene	Fluorene	1-Methyl Naphthalene	2-Methyl Naphthalene	Naphthalene	Phenanthrene
Groundwater Pathway				100 / 250**	100 / 250**	360,000	500,000	100,000	23,000	20,000	400	1,600
NR746 Soil Screening Levels (free product potential)						NS	NS	NS	NS	NS	2,700	NS
Direct Contact - Industrial						3,900	40,000,000	40,000,000	70,000,000	40,000,000	110,000	390,000
Direct Contact - Non-Industrial						88	600,000	600,000	1,100,000	600,000	20,000	18,000
Direct Contact or Inhalation - Non-Industrial if calculate site-specific exposure values from NR720.19											100,000	
1993 Investigation Results												
MW-1, West of Building	16-17.5	225	YES***	NA	NA	*** See Results in Saturated Soil Section Below						
MW-2, East of ASTs	11-12.5	0.0	NO	NA	NA	NA	NA	NA	NA	NA	<1.0	NA
MW-3, East of Building	8.5-10	0.0	NO	NA	NA	NA	NA	NA	NA	NA	<1.0	NA
B-4, At ASTs	3.5-5	218	NO	190	3,590	NA	NA	NA	NA	NA	NA	NA
B-5, NE Corner Building	8.5-10	0.0	NO	10.1	<10	NA	NA	NA	NA	NA	NA	NA
1998-1999 Investigation Results												
NORTH NEAR FOUNDRY BUILDING												
TW-6, Parking Lot	15-16	11.2	NO	<5.0	<5.0	NA	NA	NA	NA	NA	NA	NA
TW-29, By Building on North	13-14	22.7	NO	40.0	67.7	<1.2	<1.5	63.1	<2.4	72.7	<2	79.1
TW-9, Former USTs, NE Corner	6.5-7	0.0	YES	<5.0	<5.0	NA	NA	NA	NA	NA	NA	NA
NORTHWEST AST's												
TW-7, at ASTs	9-10	4	YES			*** See Results in Saturated Soil Section Below						
MW-24, at ASTs	6-8	123	NO	135	2,990	45.2	<1.5	169	2,490	2,110	397	<3.1
MW-24, at, ASTs	15	48	NO	81	2,730	46.0	<1.5	161	1,740	2,230	178	<3.1
TW-16, West of ASTs	8-10	59	YES			*** See Results in Saturated Soil Section Below						
TW-10, East of ASTs	6-8	0.9	YES	<5.0	<5.0	NA	NA	NA	NA	NA	NA	NA
TW-10, East of ASTs	13-14	0.4	YES	<5.0	<5.0	NA	NA	NA	NA	NA	NA	NA
MW-26, SE of ASTs	9.0	0.0	NO	<5.8	<5.8	NA	NA	NA	NA	NA	NA	NA
TW-11, South of ASTs	7-8	0.4	YES	<5.0	<5.0	NA	NA	NA	NA	NA	NA	NA
TW-11, South of ASTs	13-14	0.6	YES	<5.0	<5.0	NA	NA	NA	NA	NA	NA	NA
MW-25, South of ASTs	9.0	1.9	NO	11.0	102	NA	NA	NA	NA	NA	NA	NA
TW-12, North of ASTs	6-8	4.0	YES	NA	NA	*** See Results in Saturated Soil Section Below						
MW-23, North of ASTs	7-9	NA	NO	<5.7	<5.7	NA	NA	NA	NA	NA	NA	NA
WEST OF FOUNDRY BUILDING : 1998												
TW-13, NW Corner Bldg	9	3.5	NO	105	50.8	NA	NA	NA	NA	NA	NA	NA
TW-13, NW Corner Bldg	16-18	184	YES			*** See Results in Saturated Soil Section Below						
MW-28, NW Corner Bldg	6-8	9.8	NO	118	383	<1.2	<1.5	42.3	23.4	38.7	<2	85.6
TW-14, South of MW-1	8-10	2.0	YES	<5.0	<5.0	NA	NA	NA	NA	NA	NA	NA
MW-27, South of MW-1	9-10	1.3	NO	<5.7	<5.7	NA	NA	NA	NA	NA	NA	NA
TW-15, North of MW-1	8-10	31	NO	211	943	NA	NA	NA	NA	NA	NA	NA
TW-15, North of MW-1	15-15.5	28	NO	246	1,440	NA	NA	NA	NA	NA	NA	NA
TW-15, North of MW-1	20-22	89	YES			*** See Results in Saturated Soil Section Below						
1 : UST Removal Under Tank	5-6'	NA	NO	NA	1,200	NA	NA	NA	NA	NA	NA	NA
TW-17, West of MW-1	13.5-14	29	NO	74.4	878	NA	NA	NA	NA	NA	NA	NA
TW-17, West of MW-1	19.5-20	42	YES			*** See Results in Saturated Soil Section Below						

TABLE 2: SOIL CHEMISTRY RESULTS: POLYAROMATIC HYDROCARBONS

Former Plymouth Foundry Site, Grafton, Wisconsin												
						LABORATORY RESULTS						
						Detected Polynuclear Aromatic Hydrocarbons (ug/kg)						
SOIL SAMPLE I.D.	DEPTH	FIELD PID	Wet ?	GRO	DRO	Benzo (b) Fluoranthene	Fluoranthene	Fluorene	1-Methyl Naphthalene	2-Methyl Naphthalene	Naphthalene	Phenanthrene
	(feet)	(s.u.)		(mg/kg)	(mg/kg)							
Groundwater Pathway				100 / 250**	100 / 250**	360,000	500,000	100,000	23,000	20,000	**400**	1,800
NR746 Soil Screening Levels (free product potential)						NS	NS	NS	NS	NS	**2,700**	NS
Direct Contact - Industrial						3,900	40,000,000	40,000,000	70,000,000	40,000,000	110,000	390,000
Direct Contact - Non-Industrial						88	600,000	600,000	1,100,000	600,000	**20,000**	18,000
Direct Contact or Inhalation - Non-Industrial if calculate site-specific exposure values from NR720.19											100,000	
EAST OF FOUNDRY BUILDING @ GAS UST : 1998 CLOSED BY COMMERCE APRIL 2000												
TW-18, South	5 - 7	0.0	NO ?	<5.7	NA	NA	NA	NA	NA	NA	NA	NA
MW-19, West	5 - 7	0.0	NO	<5.7	NA	NA	NA	NA	NA	NA	<28	NA
TW-8, At Gas Dispenser	5 - 6	353.5	NO	**1340**	NA	NA	NA	NA	NA	NA	NA	NA
TW-8, At Gas Dispenser	12.5-13.5	1.0	NO	<5.0	NA	NA	NA	NA	NA	NA	NA	NA
TW-20, East in ROW	4.5-5	0.0	NO	<5.7	NA	NA	NA	NA	NA	NA	NA	NA
TW-20, East in ROW	9.0	2.3	NO	6.2	NA	NA	NA	NA	NA	NA	<28	NA
TW-20, East in ROW	11 - 12	0.0	NO	<5.6	NA	NA	NA	NA	NA	NA	<28	NA
MW-22, North	9 - 10	0.7	NO	<5.8	NA	NA	NA	NA	NA	NA	NA	NA
SUMMARY OF BORINGS ALONG FORMER RAILROAD SPUR : December 2001												
B41	4-6	0	Moist	NA	NA	NA	NA	NA	NA	NA	NA	NA
B41	10-12	2.4	YES	NA	NA	NA	NA	NA	NA	NA	NA	NA
B42	6-8	0	Moist	NA	NA	NA	NA	NA	NA	NA	NA	NA
B42	10-12	0	YES	NA	NA	NA	NA	NA	NA	NA	NA	NA
B43	6-8	1.0	Moist	NA	NA	NA	NA	NA	NA	NA	NA	NA
B43	10-12	15.5	YES	NA	NA	NA	NA	NA	NA	NA	NA	NA
B44	4-6	112.0	Moist	NA	NA	NA	NA	NA	NA	NA	NA	NA
B44	10-12	22.4	YES	NA	NA	NA	NA	NA	NA	NA	NA	NA
B45	6-8	1.0	Moist	NA	NA	NA	NA	NA	NA	NA	NA	NA
B45	10-12	36.2	YES	NA	NA	NA	NA	NA	NA	NA	NA	NA
SUMMARY OF BORINGS TO DEFINE EXTENT OF PETROLEUM CONTAMINATION : 2001												
B46	10-12	2.4	Moist	NA	NA	<14	<15	<18	<18	<19	<18	<15
B47	0-2	0	Moist	NA	NA	<14	24	<18	<18	<19	<18	<15
B47	2-4	0	Moist	NA	NA	<28	<30	<36	<36	<38	<36	<30
B48	0-2	0	Moist	NA	NA	<14	<15	<18	<18	<19	<18	<15
B48	2-4	3.1	Moist	NA	NA	<14	<15	<18	<18	<19	<18	<15
SUMMARY OF SATURATED SOIL SAMPLES INFLUENCED BY PERCHED OR PERMANENT GROUNDWATER												
MW-1, West of Building	16-17.5	225	YES	NA	NA	NA	NA	NA	NA	NA	1,810	NA
TW-7, at ASTs	9-10	4	YES	38.7	96.6	NA	NA	NA	NA	NA	NA	NA
TW-12, North of ASTs	6-8	4.0	YES	267	472	NA	NA	NA	NA	NA	NA	NA
TW-13, NW Corner Bldg	16-18	184	YES	1,370	8,680	NA	NA	NA	NA	NA	20,846	NA
TW-15, North of MW-1	20-22	89	YES	804	3,020	NA	NA	NA	NA	NA	NA	NA
TW-16, West of ASTs	8-10	59	YES	234	838	NA	NA	NA	NA	NA	NA	NA
TW-17, West of MW-1	19.5-20	42	YES	394	3,040	NA	NA	NA	NA	NA	414	NA

Notes:

BOLD Exceeds Soil Standards

NA : Not Analyzed

NS : No Standard

** : Generic Standard for Soils with Hydraulic Conductivity Greater than 10^{-6} cm / sec (100), and less than 10^{-6} (250)

Generic Cleanup Levels from Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAH) Interim Guidance, WDNR Publication RR-519-97, April 1997 (corrected)

TABLE 4 : SURVEY AND WATER LEVEL DATA

Former Plymouth Foundry Site, Grafton, WI

Survey Completed October 1, 1998

OBJECT	LOCATION	Instrument Reading (feet)	Datum Elevation (Ft MSL)	Eyepiece Elevation (ft MSL)	Object Elevation (ft MSL)	Well PVC Stickup (feet)	Water Level Measurements 10/1/98 Ft below PVC Lip	Feet MSL	Feet below Grade	Water Level Measurements 4/5/99 Ft below PVC Lip	Feet MSL	Feet below Grade
STATION ONE												
DATUM : Hydrant Ground	SE Corner 9th & North	2.16	766.32	768.48	766.32							
DATUM : Hydrant Top Nut	SE Corner 9th & North	5.33+	769.49	768.48								
MW-23 PVC	North of ASTs	6.24		768.48	762.24	-0.46	17.46	744.78	17.92	16.98	745.26	17.44
MW-23 Grnd		5.78		768.48	762.70							
MW-24 PVC	At ASTs	6.98		768.48	761.50	-0.35	16.81	744.69	17.16	16.46	745.04	16.81
MW-24 Grnd		6.63		768.48	761.85							
MW-25 PVC	South of ASTs	7.57		768.48	760.91	-0.49	16.26	744.65	16.75	15.85	745.06	16.34
MW-25 Grnd		7.08		768.48	761.40							
MW-26 PVC	SE of ASTs	8.87		768.48	759.61	-0.45	15.10	744.51	15.55	14.71	744.90	15.16
MW-26 Grnd		8.42		768.48	760.06							
MW-2 Grnd	NE of ASTs	5.51		768.48	762.97	2.36	18.43	744.54	16.07	17.99	744.98	15.63
MW-2 PVC		7.87		768.48	760.61							
MW-28 PVC	NW Corner Bldg	7.65		768.48	760.83	-0.42	16.20	744.63	16.62	15.29	745.54	15.71
MW-28 Grnd		7.23		768.48	761.25							
MW-1 PVC	At Fuel Pump Vault	4.63		768.48	763.85	2.42	19.21	744.64	16.79	18.81	745.04	16.39
MW-1 Grnd		7.05		768.48	761.43							
MW-30 PVC	West of Fuel Pump	7.24		768.48	761.24	-0.34	16.59	744.65	16.93	16.70	744.54	17.04
MW-30 Grnd		6.90		768.48	761.58							
MW-27 PVC	South of Fuel Pump	7.32		768.48	761.16	-0.35	16.56	744.60	16.91	16.15	745.01	16.50
MW-27 Grnd		6.97		768.48	761.51							
TW-29 PVC	By Bldg N Wall	3.88		768.48	764.60	3.55	19.94	744.66	16.39	19.84	744.76	16.29
TW-29 Grnd		7.43		768.48	761.05		DRY ?	DRY ?				
TW-9 PVC Lip	NE Corner Bldg	9.21		768.48	759.27	0.44	5.39	753.88	4.95			
TW-9 Ground		9.65		768.48	758.83		Perched					
Railroad Rail at North Ave		4.03		768.48	764.45							
STATION TWO												
DATUM : Hydrant Ground	SE Corner 9th & North		769.49									
MW-2 PVC	Connect to Datum	0.80		763.77	762.97	2.38	18.43	744.54	16.05	17.99	744.98	15.61
MW-2 Grnd		3.18		763.77	760.59							
MW-26 PVC	Connect to Datum	4.14		763.77	759.63	-0.48	15.10	744.53	15.58	14.71	744.92	15.19
MW 26 Grnd		3.66		763.77	760.11							
TW-18 PVC	South of UST	2.79		763.77	760.98	2.16	8.10	752.88	5.94			
TW-18 Grnd		4.95		763.77	758.82		Perched					
MW-19 PVC	West of UST in Alley	4.86		763.77	758.91	-0.46	14.49	744.42	14.95	14.12	744.79	14.58
MW-19 Grnd		4.40		763.77	759.37							
TW-20 PVC	East of UST	5.32		763.77	758.45	0.02	13.60	744.85	13.58			
TW-20 Grnd		5.34		763.77	758.43		DRY ?					
TW-21 PVC	At UST	3.30		763.77	760.47	1.86	15.08	745.39	13.22			
TW-21 Grnd		5.16		763.77	758.61		DRY	DRY				
MW-22 PVC	North of UST	5.41		763.77	758.36	-0.24	14.10	744.26	14.34	13.74	744.62	13.98
MW-22 Grnd		5.17		763.77	758.60							
MW-3 PVC	Far South of UST	5.05		763.77	758.72	-0.17	14.28	744.44	14.45	13.84	744.88	14.01
MW-3 Grnd		4.88		763.77	758.89							
11th Street at TW-20	at Gutter	5.96		763.77	757.81							
Top of Conc Vault	At MW-19 (bldg Floor)	3.04		763.77	760.73							

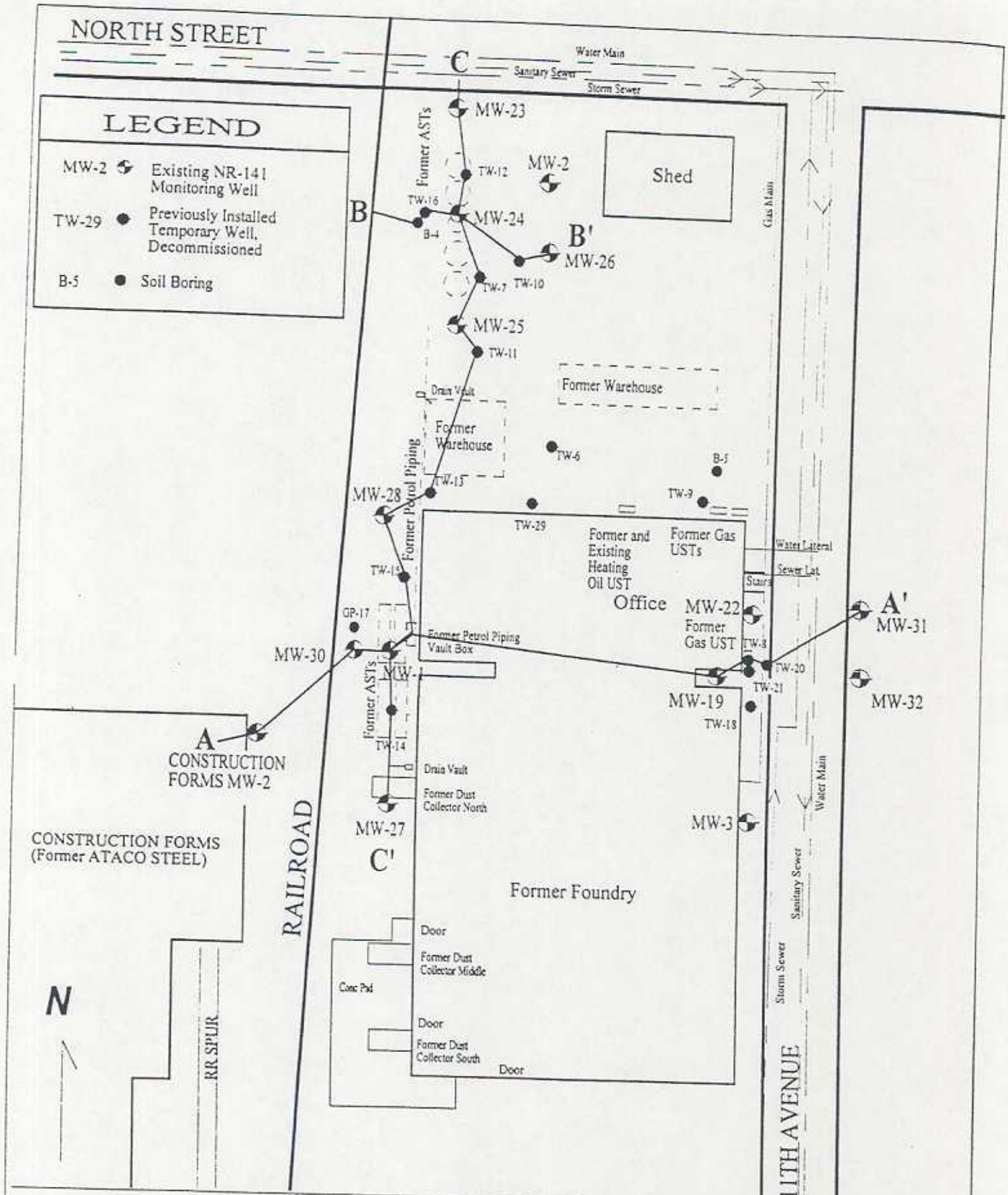
+ Survey Eyepiece below Datum. Surveyed Ground, measured with tape to top of hydrant, corrected elevation of eyepiece using tape reading.

TABLE 4 : SURVEY AND WATER LEVEL DATA

Former Plymouth Foundry Site, Grafton, WI

OBJECT	LOCATION	Instrument Reading (feet)	Datum Elevation (Ft MSL)	Eyepiece Elevation (ft MSL)	Object Elevation (ft MSL)	Well PVC Stickup (feet)	Water Level Measurements 1/20/98 Ft below PVC Lip	1/20/98 Feet MSL	1/20/98 Feet below Grade	2/5/98 Ft below PVC Lip	2/5/98 Feet MSL	2/5/98 Feet below Grade
STATION ONE												
DATUM : Ground	NE Corner Foundry Building	8.60	100.00	108.60	100.00							
TW-7 PVC Lip	At AST's	4.23		108.60	104.37	1.83	8.40	95.97	6.57	6.91	97.46	5.08
TW-7 Ground		6.06		108.60	102.54							
TW-16 PVC Lip	West of ASTs	1.93		108.60	106.67	2.78	9.71	96.96	6.93	8.72	97.95	5.94
TW-16 Ground		4.71		108.60	103.89							
TW-12 PVC Lip	North of ASTs	4.54		108.60	104.06	0.19	6.22	97.84	6.03	5.11	98.95	4.92
TW-12 Ground		4.73		108.60	103.87							
MW-2 PVC Lip	East of ASTs	4.05		108.60	104.55	2.27	18.95	85.60	16.68	18.89	85.66	16.62
MW-2 Ground		6.32		108.60	102.28							
TW-10 PVC Lip	East of ASTs	6.38		108.60	102.22	0.19	4.95	97.27	4.76	4.13	98.09	3.94
TW-10 Ground		6.57		108.60	102.03							
TW-11 PVC Lip	South of ASTs	5.33		108.60	103.27	1.01	7.80	95.47	6.79	6.81	96.46	5.80
TW-11 Ground		6.34		108.60	102.26							
TW-13 PVC Lip	NW Corner Foundry Building	2.98		108.60	105.62	2.62	20.00	85.62	17.38	20.00	85.62	17.38
TW-13 Ground		5.60		108.60	103.00		DRY	DRY	DRY	DRY	DRY	DRY
TW-15 PVC Lip	North of MW-1	4.65		108.60	103.95	1.05	18.32	85.63	17.27	18.28	85.67	17.23
TW-15 Ground		5.70		108.60	102.90							
TW-17 Ground	West of MW-1	5.32		108.60	103.28							
MW-1 PVC Lip	West of Building	3.13		108.60	105.47	2.31	19.24	86.23	16.93	19.68	85.79	17.37
MW-1 Ground		5.44		108.60	103.16							
TW-14 PVC Lip	South of MW-1	5.35		108.60	103.25	0.12	6.33	96.92	6.21	4.91	98.34	4.79
TW-14 Ground		5.47		108.60	103.13							
TW-6 PVC Lip and Grou	Center Parking Lot	6.36		108.60	102.24		16.73	85.51	16.73	16.69	85.55	16.69
TW-9 PVC Lip	Former USTs at NE Corner Foundry Building	7.59		108.60	101.01	0.50	5.89	95.12	5.39	Removed		
TW-9 Ground		8.09		108.60	100.51							
STATION TWO												
DATUM	Ground at Foundry Building NE Corner	5.37	100.00	105.37	760.00							
TW-8 PVC Lip	Gas UST on East Side Building	4.96		105.37	100.41	0.20	14.42	85.99	14.22	13.90	86.51	13.70
TW-8 Ground		5.16		105.37	100.21		DRY	DRY	DRY	DRY	DRY	DRY
MW-3 Ground	East of Building	4.91		105.37	100.46		NA	NA	NA			
MW-3 PVC Lip	East of Building	5.41	Estimated	105.37	99.96	-0.50	NA	NA	NA	14.77	85.19	15.27

Survey Datum arbitrarily set to 100.00



Title: **CROSS SECTION LOCATIONS**

Project: **Site Investigation**

Client: **Former Plymouth Foundry Property, Grafton, WI**

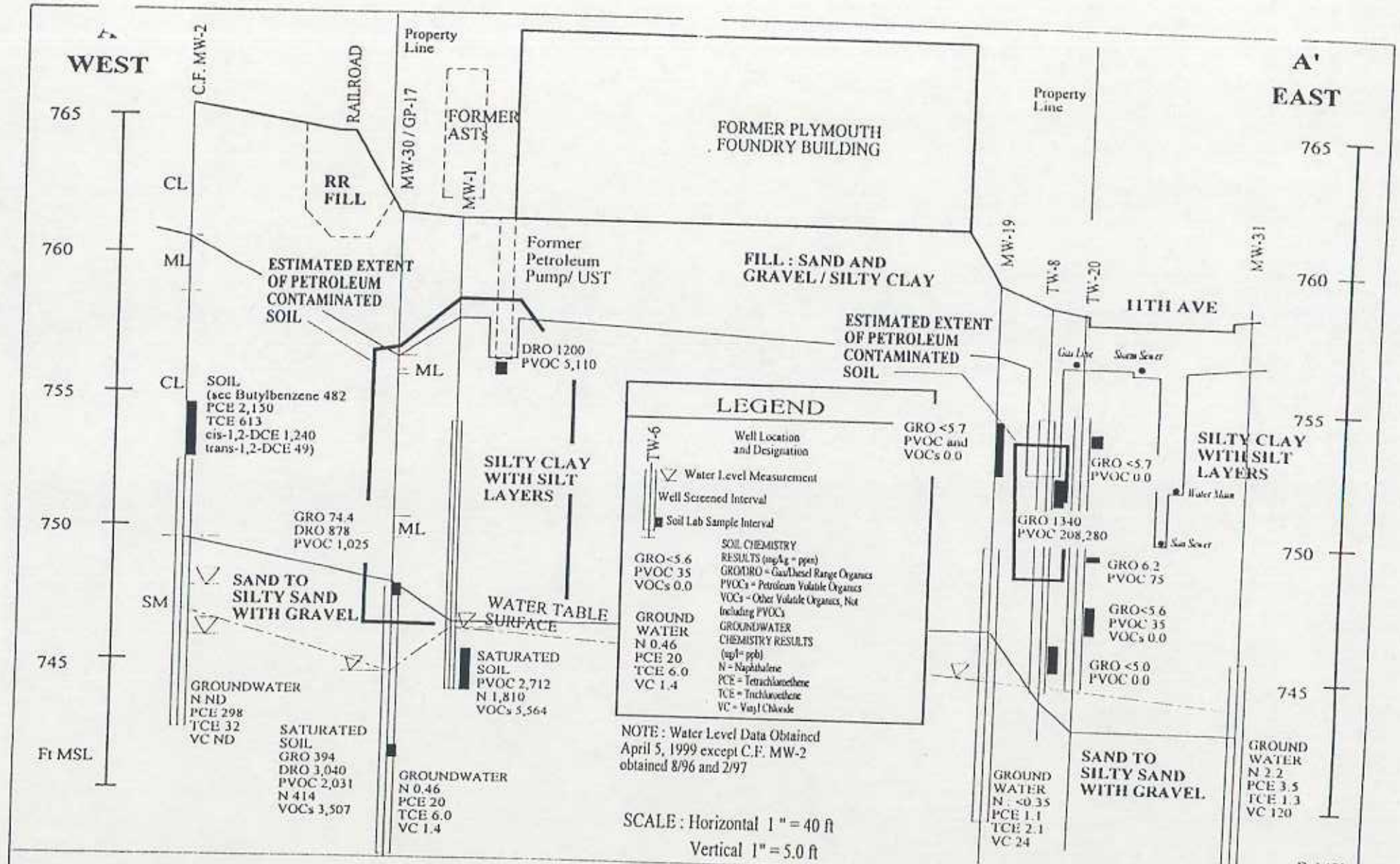
ALPHA TERRA SCIENCE

SCALE: 1" = 60'

DWG NO: FIGURE 4A

DRAWN BY: K A E

DATE: Jan 5, 2000



Title:

EAST WEST CROSS SECTION A-A'

Project: SITE INVESTIGATION

Client: FORMER PLYMOUTH FOUNDRY, GRAFTON, WI

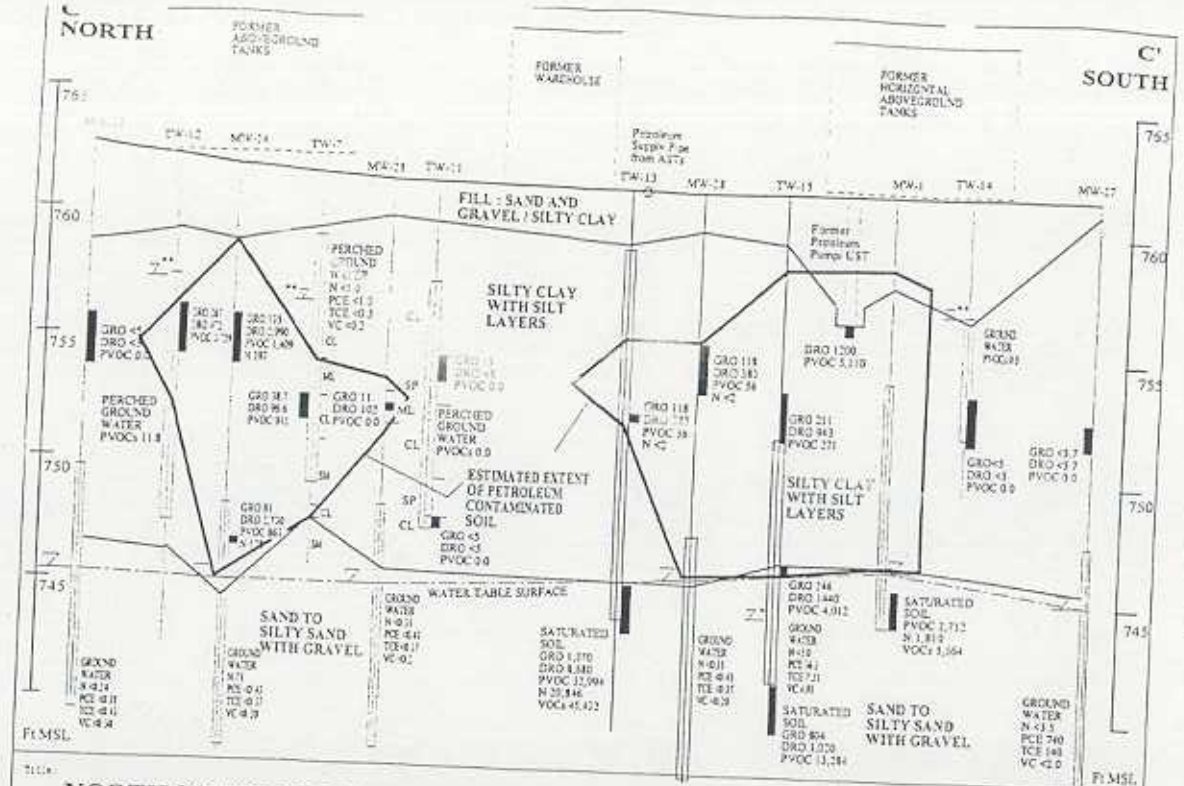
ALPHA TERRA SCIENCE

SCALE: See Figure

DRAWN BY: K A E

DWG NO: FIGURE 5 A

DATE: APR 5, 2000



LEGEND

- Well Location and Designation
- Water Level Measurement
- Well Screened Interval
- Soil Lab Sample Interval

GRO<5.6 PVOC 31 VOCs 0.0 — SOIL CHEMISTRY RESULTS (mg/kg = ppm) GRO/DRO = Gas/Diesel Range Organics PVOCs = Petroleum Volatile Organics VOCs = Other Volatile Organics, Not Including PVOCs

GROUND WATER N 0.46 PCE 20 TCE 6.9 VC 1.4 — GROUNDWATER CHEMISTRY RESULTS (ug/l = ppb) N = Naphthalene PCE = Tetrachloroethene TCE = Trichloroethene VC = Vinyl Chloride

NOTE: Water Level Data Obtained April 2, 1998 except Water from TW-11 Obtained 1998

* Value not used in Water Elevation because reading obtained 1998

** Values Reflect Perched Water Readings Obtained 1998

SCALE: Horizontal 1" = 40 ft
Vertical 1" = 5.0 ft

Title: NORTH SOUTH CROSS SECTION C-C'

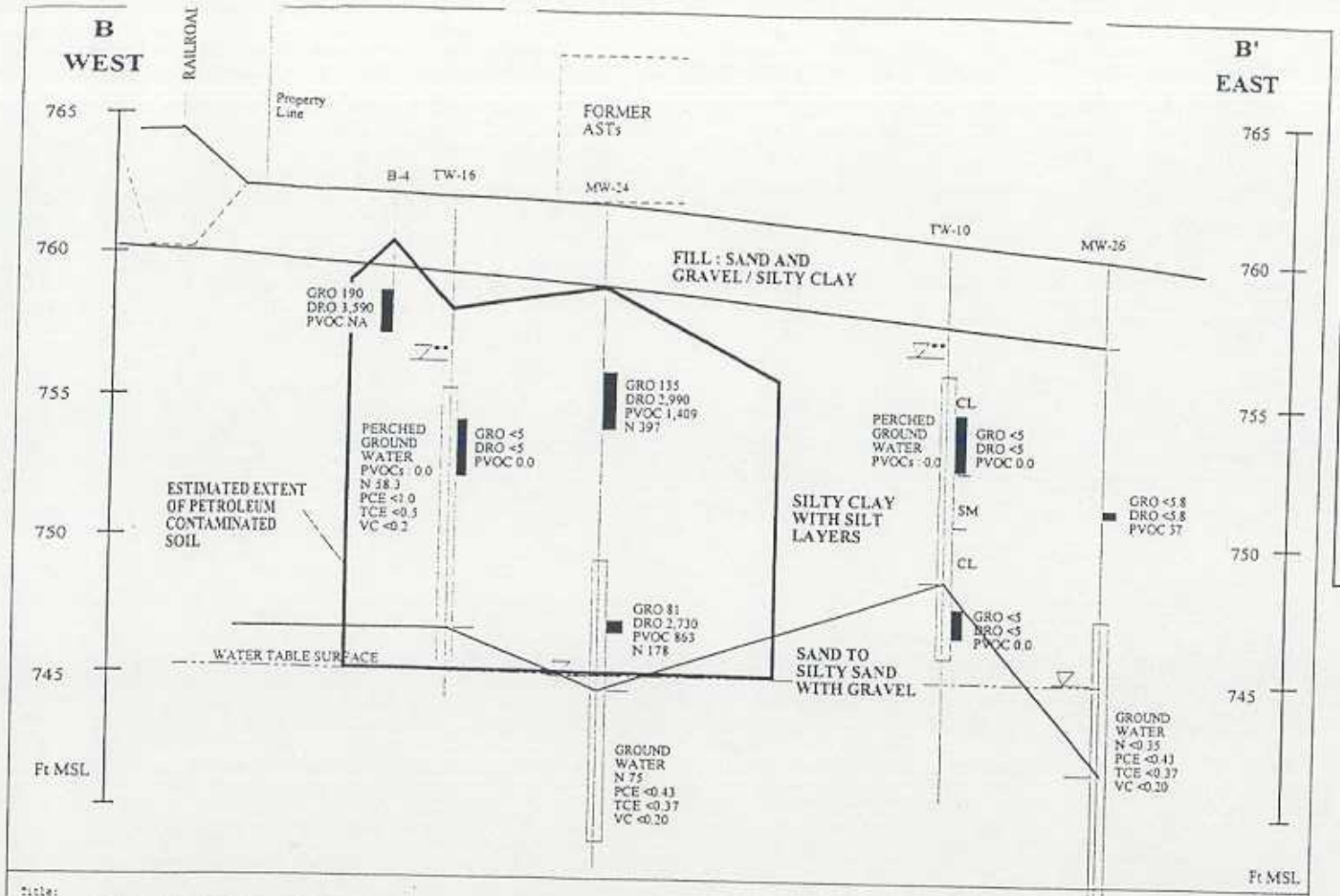
Project: SITE INVESTIGATION

Client: FORMER PLYMOUTH FOUNDRY, GRAFTON, WI

ALPHA TERRA SCIENCE

Scale: See Figure | Dwg. No.: FIGURE 7

Drawn By: K A E | Date: APR 5, 2000



LEGEND

TW-6 — Well Location and Designation

Water Level Measurement

Well Screened Interval

Soil Lab Sample Interval

GRO<5.6
PVOC 35
VOCs 0.0

SOIL CHEMISTRY RESULTS (mg/kg = ppm)
GRO/DRO = Gas/Diesel Range Organics
PVOCs = Petroleum Volatile Organics
VOCs = Other Volatile Organics, Not Including PVOCs

GROUND WATER
N 0.46
PCE 20
TCE 6.0
VC 1.4

GROUNDWATER CHEMISTRY RESULTS (ug/l= ppb)
N = Naphthalene
PCE = Tetrachloroethene
TCE = Trichloroethene
VC = Vinyl Chloride

NOTE : Water Level Data Obtained April 5, 1999

** Values Reflect Perched Water Readings Obtained 1998

SCALE : Horizontal 1 " = 13.3 ft
Vertical 1" = 5.0 ft

Title: **EAST WEST CROSS SECTION B-B'**

Project: SITE INVESTIGATION

Client: FORMER PLYMOUTH FOUNDRY, GRAFTON, WI

ALPHA TERRA SCIENCE

SCALE: See Figure | DWG NO: FIGURE 6

DRAWN BY: K A E | DATE: APR 5, 2000

February 3, 2004

As the responsible party for the petroleum contamination at the former Plymouth Foundry property, I believe that the attached legal description for the property is within, or partially within, the contaminated site boundary.

Ms. Kris Hughes
Estate of Richard Goldberg