GIS REGISTRY INFORMATION

SITE NAME:	Haasch Appliance (Former)					
BRRTS #:	02-41-531216			**FID #** (if appropriate):		
COMMERCE # (if appropriate):	53226-2723-25					
CLOSURE DATE:	January 12, 2005					
STREET ADDRESS:	8725 W North Ave					
CITY:	Wauwatosa					
SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection):	**X =**	681076		**Y =**	289396	
CONTAMINATED MEDIA:	Groundwater		Soil		Both	X
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	
County Parcel ID number, *if used for county*, for all affected properties	X
Location Map which outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy). If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site.	X
Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy) This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ESs and soil contamination exceeding ch. NR 720 generic or SSRCLs.	X
Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)	X
Tables of Latest Soil Analytical Results (no shading or cross-hatching)	X
Isoconcentration map(s), *if required for site investigation (SI)* (8.5x14" if paper copy). The isoconcentration map should have flow direction and extent of groundwater contamination defined. **If not available, include the latest extent of contaminant plume map.**	X
GW: Table of water level elevations, with sampling dates, and free product noted if present	
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)	
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

January 12, 2005

Mr. Dennis Wanless
2481 North 117th Street
Wauwatosa, WI 53226

RE: **Case Closure**

Commerce # 53226-2723-25 WDNR BRRTS # 02-41-531216
Haasch Appliance (Former), 8725 West North Avenue, Wauwatosa

Former heating oil underground storage tank

Dear Mr. Wanless:

The Wisconsin Department of Commerce (Commerce) has reviewed the request for case closure prepared by your consultant, Environmental Associates, Inc., for the site referenced above. Commerce has determined that this site does not pose a significant threat to the environment and human health. No further investigation or remedial action is necessary.

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 and groundwater contamination.

It is in your best interest to keep all documentation related to the environmental activities at your site. 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 protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (414) 220-5376.

Sincerely,

Linda M. Michalets
Hydrogeologist
Site Review Section

cc: Mr. Joe Michaelchuck, Environmental Associates, Inc.
Case file

7447544

DOCUMENT NO.

STATE BAR OF WISCONSIN FORM 1 - 1982
WARRANTY DEED

REEL 4180 IMAG 123

REGISTER'S OFFICE
Milwaukee County, WI } ss.
RECORDED AT 8 25 AM
NOV 13 1997
REEL 4180 IMAGE 123
REGISTER OF DEEDS

This Deed, made between Gregory Lauer and Janet E. Lauer, husband and wife

Grantor,

and Dennis Wanless and Barbara L. Wanless, husband and wife

Grantee,

Witnesseth, That the said Grantor, for a valuable consideration

conveys to Grantee the following described real estate in Milwaukee County, State of Wisconsin:

THIS SPACE RESERVED FOR RECORDING DATA

NAME AND RETURN ADDRESS

Michael J. Widmann
2100 N. Mayfair Rd. #150
Milwaukee, WI. 53226

342-0005-00

PARCEL IDENTIFICATION NUMBER

Lot 7, Wm. C. Keller's Subdivision, being a Re-Subdivision of Woest's Subdivision, and the East 113.56 feet of Lots 21 and 22, in Wm. Von Baumbach's Subdivision No. 2, in the Northwest 1/4 of Section 21, Town 7 North, Range 21 East, City of Wauwatosa, County of Milwaukee, State of Wisconsin.

TRANSFER
$ 450.00
FEE

7447544
RECORD 10.00
RTX 450.00

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

Together with all and singular the hereditaments and appurtenances thereunto belonging;
And Gregory Lauer and Janet E. Lauer

warrants that the title is good, indefeasible in fee simple and free and clear of encumbrances except municipal and zoning ordinances, recorded easements for public utilities located adjacent to side and rear lot lines, recorded building and use restrictions and covenants, all other easements of record and general taxes levied in the year of closing

and will warrant and defend the same.

Dated this 3rd day of October 1997

(SEAL) Gregory Lauer (SEAL)
Gregory Lauer

(SEAL) Janet E. Lauer (SEAL)
Janet E. Lauer

AUTHENTICATION

Signature(s) Gregory Lauer and Janet E. Lauer
authenticated this 3rd day of October 1997

Michael J. Widmann

TITLE: MEMBER STATE BAR OF WISCONSIN
(If not, authorized by §706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY
Atty. Michael J. Widmann

(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)

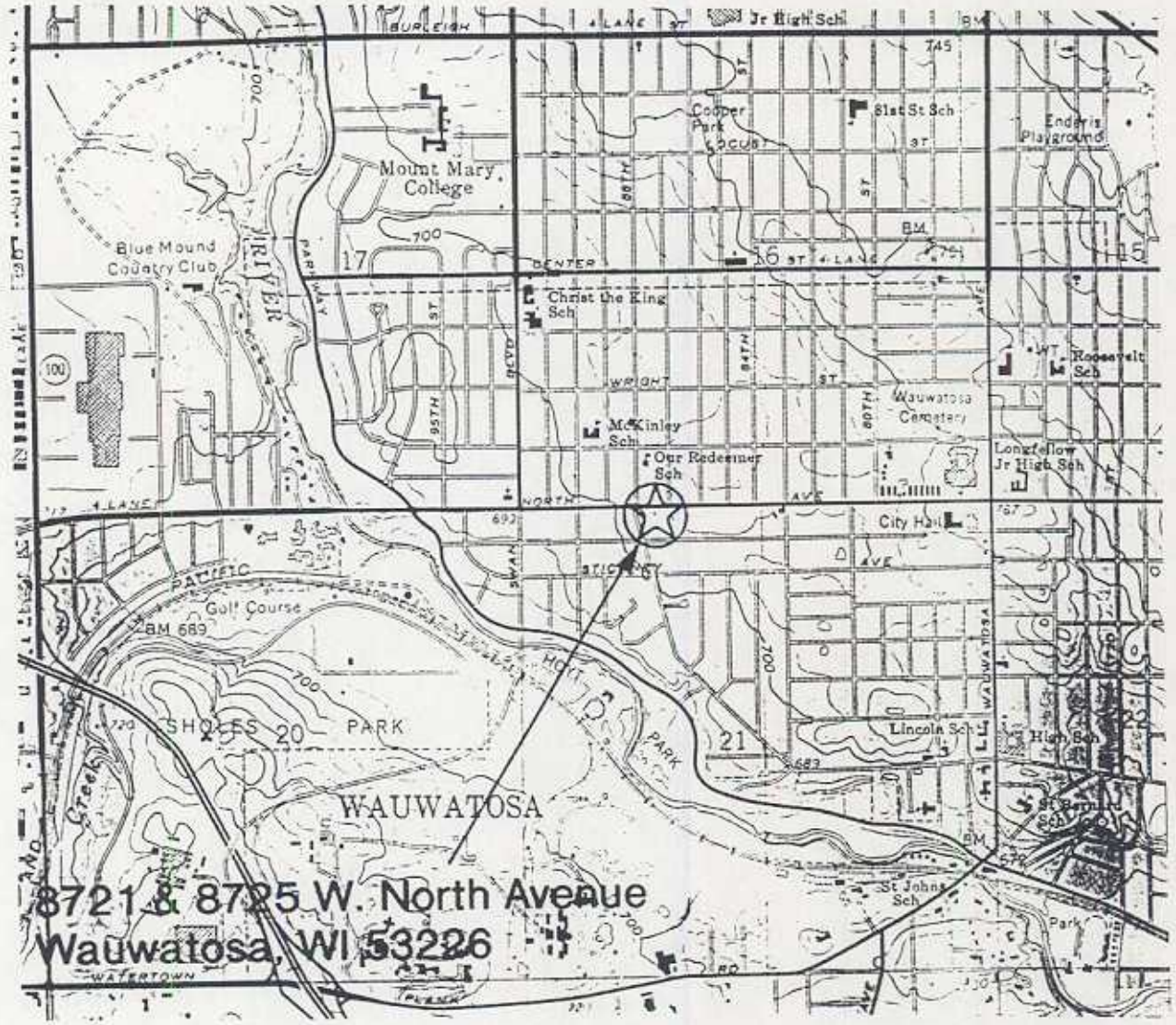
* Names of persons signing in any capacity should be typed or printed below their signatures.

WARRANTY DEED

STATE BAR OF WISCONSIN
Form No. 1 - 1982

Wisconsin Legal Blank Co., Inc.
Milwaukee, Wis.

000



SCALE 1:24000

1 1/2 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

Contour Interval of 10 Feet

N
W E
S

QUADRANGLE LOCATION
Wauwatosa Quadrangle

FIGURE 1
Site Location Map
and
Local Topography

Environmental Associates, Inc.

Drawn by:	RRG	*Drawing:*	04-04893
	7/21/04	*File:*	FIGURE 1

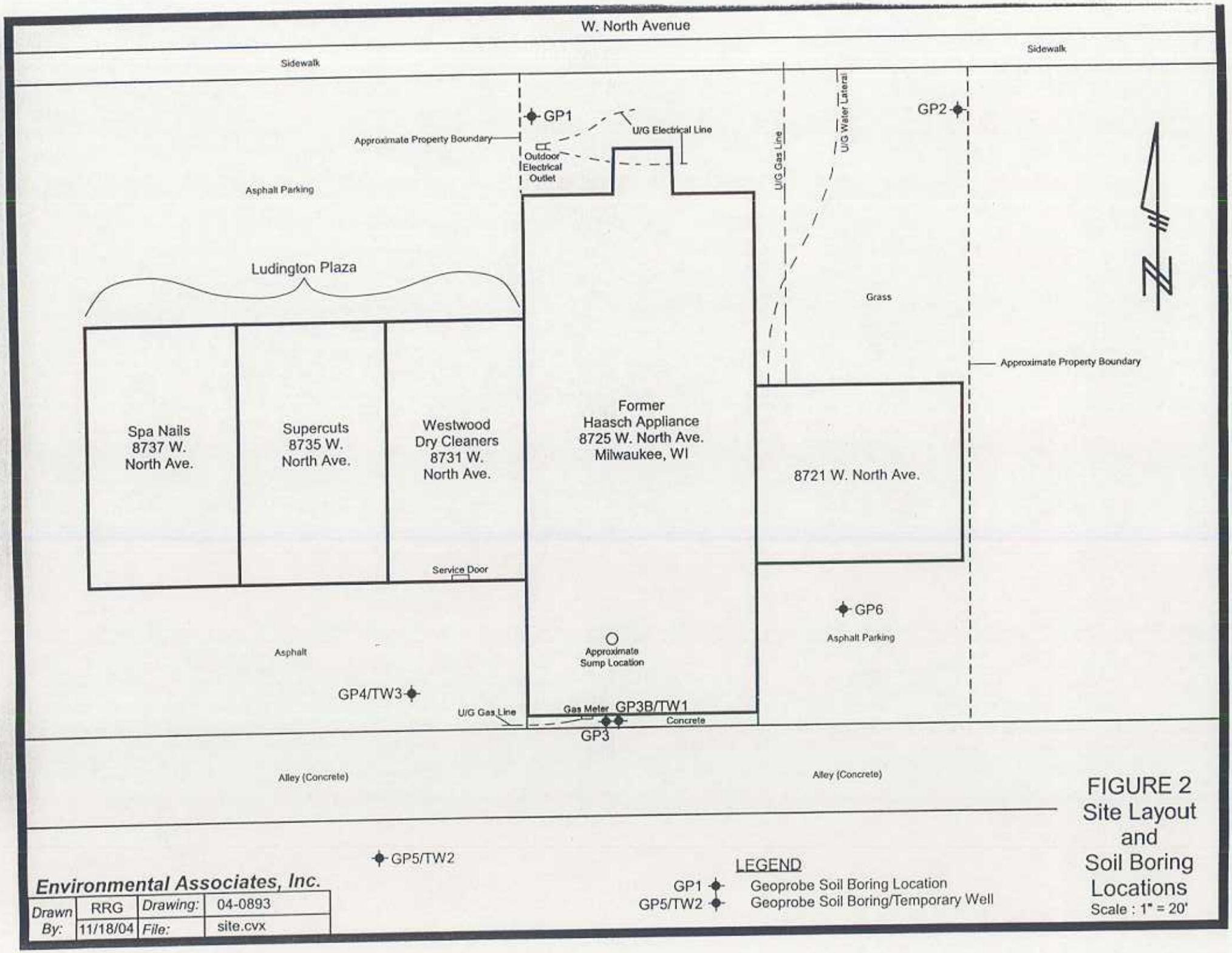


FIGURE 2
Site Layout and Soil Boring Locations
Scale : 1" = 20'

Table 4: Groundwater Quality Analytical Results
Former Haasch Appliance Center, 8725 W. North Avenue, Wauwatosa, Wisconsin

Parameter	Units	ES	PAL	Date	TW1	TW2	TW3	Trip
PVOCs:								
Benzene	ug/L	5.0	0.5	11/10/04	<5.0	<0.25	<0.25	<0.25
Ethylbenzene	ug/L	700	140	11/10/04	<4.4	<0.22	<0.22	<0.22
MTBE	ug/L	60	12	11/10/04	<4.6	<0.23	<0.23	<0.23
Toluene	ug/L	1,000	200	11/10/04	<2.2	0.17	0.18	<0.11
Total Xylenes	ug/L	10,000	1,000	11/10/04	<7.8	<0.39	<0.39	<0.39
1,2,4-Trimethylbenzene	ug/L	--	--	11/10/04	<5.0	<0.25	<0.25	<0.25
1,3,5-Trimethylbenzene	ug/L	--	--	11/10/04	<3.8	<0.19	<0.19	<0.19
Total Trimethylbenzenes	ug/L	480	96	11/10/04	<8.8	<0.44	<0.44	<0.44
PAHs								
Acenaphthene	ug/L	--	--	11/10/04	66	<0.33	<0.33	--
Acenaphthylene	ug/L	--	--	11/10/04	<34	<0.69	<0.69	--
Anthracene	ug/L	3000	600	11/10/04	80	<0.038	<0.038	--
Benzo(a)anthracene	ug/L	--	--	11/10/04	410	<0.044	<0.044	--
Benzo(b)fluoranthene	ug/L	0.2	0.02	11/10/04	<4.9	<0.098	<0.098	--
Benzo(k)fluoranthene	ug/L	--	--	11/10/04	<2.4	<0.049	<0.049	--
Benzo(a)pyrene	ug/L	0.2	0.02	11/10/04	<1.6	<0.032	<0.032	--
Benzo(g,h,i)perylene	ug/L	--	--	11/10/04	<6.0	<0.12	<0.12	--
Chrysene	ug/L	0.2	0.02	11/10/04	**71**	<0.041	<0.041	--
Dibenzo(a,h)anthracene	ug/L	--	--	11/10/04	<6.5	<0.13	<0.13	--
Fluoranthene	ug/L	400	40	11/10/04	**710**	<0.081	<0.081	--
Fluorene	ug/L	400	40	11/10/04	**190**	<0.062	<0.062	--
Ideno(1,2,3-cd)pyrene	ug/L	--	--	11/10/04	<3.1	<0.062	<0.062	--
1-Methylnaphthalene	ug/L	--	--	11/10/04	840	<0.32	<0.32	--
2-Methylnaphthalene	ug/L	--	--	11/10/04	1000	<0.31	<0.31	--
Naphthalene	ug/L	40	8	11/10/04	**130**	<0.40	<0.40	--
Phenanthrene	ug/L	--	--	11/10/04	420	<0.030	<0.030	--
Pyrene	ug/L	250	50	11/10/04	**500**	<0.044	<0.044	--

Footnotes:
ES = NR 140.10 Enforcement Standard
PAL = NR 140.10 Preventive Action Limit
ug/L = Micrograms per Liter

Bold Value = ES Exceedance
Italic Value = PAL Exceedance
< = Less than Laboratory Method Detection Limit

Table 1: Soil Quality Analytical Results, Former Haasch Appliance, 8721 8725 W. North Avenue, Wauwatosa, Wisconsin

Sample Name				GP1-S6	GP2-S6	GP3-S1	GP3-S5	Trip
Sample Description				Soil	Soil	Soil	Soil	MeOH
Sample Interval Depth (Feet)				10-12	10-12	0-2	8-10	--
Sample Collection Date				7/29/04	7/29/04	7/29/04	7/29/04	7/29/04
Parameter	**Units**	**NR 720.09 Table 1 & 2 Standard**	**NR 746.06 Table 1 & 2 Screening Levels**					
Total Solids	%	--	--	77.7	74.3	78.4	80.2	--
Gasoline Range Organics (GRO)	mg/kg	100	--	NA	<6.7	NA	NA	--
Diesel Range Organics (DRO)	mg/kg	100	--	<6.4	NA	NA	NA	--
Benzene	ug/kg	5.5	8,500/1,100	<32	<34	<32	<62	<25
n-Butylbenzene	ug/kg	--	--	<32	<34	<32	1,370	<25
sec-Butylbenzene	ug/kg	--	--	<32	<34	<32	1,130	<25
1,2-Dichloroethane	ug/kg	4.9	600/540	<32	<34	<32	<62	<25
Ethylbenzene	ug/kg	2,900	4,600	<32	<34	<32	87	<25
Isopropylbenzene	ug/kg	--	--	<32	<34	<32	224	<25
Naphthalene	ug/kg	--	2,700	<32	<34	<32	1,870	<25
n-Propylbenzene	ug/kg	--	--	<32	<34	<32	461	<25
Toluene	ug/kg	1,500	38,000	<32	<34	<32	<62	<25
1,2,4-Trimethylbenzene	ug/kg	--	83,000	<32	<34	<32	<62	<25
1,3,5-Trimethylbenzene	ug/kg	--	11,000	<32	<34	<32	<62	<25
Total Xylenes	ug/kg	4,100	42,000	<45	<47	<45	<87	<35
PID	i.u.	--	--	8.0	7.1	8.0	246.1	--

Notes:

mg/kg = Milligrams per Kilogram

ug/kg = Micrograms per Kilogram

< = Less than Method Detection Limit

PID = Photo-Ionization Detector

i.u. = Instrument Units

NA = Not Analyzed for Analyte

Bold Value = Denotes exceedance of any of above referenced standards

893soil

Table 2: Soil Quality Analytical Results - PVOCs - Site Investigation Activities, Former Haasch Appliance Center, 8725 W. North Avenue, Wauwatosa, Wisconsin

Sample Name					GP3B (0-4')	GP3B - S5	GP4 - S6	GP5 - S6	GP6 - S6	Trip Blank
Sample Description					Soil	Soil	Soil	Soil	Soil	MeOH
Sample Interval Depth (Feet)					0-4	8-10	10-12	10-12	10-12	--
Sample Collection Date					11/10/04	11/10/04	11/10/04	11/10/04	11/10/04	11/10/04
Parameters	**Units**	**NR 720***	**NR 746 Table 1 (Screening Level)**	**NR 746 Table 2 (Direct Contact)**						
Total Solids	%	--	--	--	81.2	85.7	99.8	87.7	79.4	--
PID	i.u.	--	--	--	111.0	74.0	0.0	0.0	0.0	--
Diesel Range Organics (DRO)	mg/kg	100	--	--	**2,460**	**1,280**	48	40	<6.3	--
PVOC Compounds										
Benzene	ug/kg	5.5	8,500	1,100	<148	NT	<28	<29	<31	<25
Ethylbenzene	ug/kg	2,900	4,600	--	1,070	NT	<28	100	<31	<25
MTBE	ug/kg	--	--	--	<148	NT	<28	<29	<31	<25
Toluene	ug/kg	1,500	38,000	--	<148	NT	<28	<29	<31	<25
1,2,4-Trimethylbenzene	ug/kg	--	83,000	--	764	NT	<28	114	<31	<25
1,3,5-Trimethylbenzene	ug/kg	--	11,000	--	<148	NT	<28	<29	<31	<25
Total Xylenes	ug/kg	4,100	42,000	--	<468	NT	<84	<86	<94	<75

Notes:
mg/kg = milligrams per kilogram
ug/kg = micrograms per kilogram
i.u. = instrument units
* = Wisconsin Soil Cleanup Standards
< = Less than Method Detection Limit
NT = Not Tested for Analyte
Bold Value = Denotes exceedance of NR 720 and/or NR 746 Standards

Table 3: Soil Quality Analytical Results - PAHs - Site Investigation Activities, Former Haasch Appliance Center, 8725 W. North Avenue, Wauwatosa, Wisconsin

Sample Name Sample Description Sample Interval Depth (Feet) Sample Collection Date				GP3B (0-4') Soil 0-4 11/10/04	GP3B - S5 Soil 8-10 11/10/04	GP4 - S6 Soil 10-12 11/10/04	GP5 - S6 Soil 10-12 11/10/04	GP6 - S6 Soil 10-12 11/10/04
Parameter	**Units**	**Groundwater Pathway**	**Direct Contact Pathway (Non-Industrial)**					
PAH Compounds								
Acenaphthene	mg/kg	38	900	0.320	0.140	<0.056	<0.057	<0.063
Acenaphthylene	mg/kg	0.7	18	<0.100	<0.099	<0.095	<0.097	<0.110
Anthracene	mg/kg	3,000	5,000	0.443	0.199	<0.0056	<0.0057	<0.0063
Benzo(a)anthracene	mg/kg	17	0.088	**2.220**	**1.030**	<0.0056	<0.0057	<0.0063
Benzo(b)fluoranthene	mg/kg	360	0.088	0.032	0.015	<0.0056	<0.0057	<0.0063
Benzo(k)fluroanthene	mg/kg	870	0.88	<0.0062	0.0067	<0.0056	<0.0057	<0.0063
Benzo(a)pyrene	mg/kg	48	0.0088	<0.0062	<0.0058	<0.0056	<0.0057	<0.0063
Benzo(g,h,i)perylene	mg/kg	6,800	1.8	<0.0062	0.0072	<0.0056	<0.0057	<0.0063
Chrysene	mg/kg	37	8.8	0.034	0.016	<0.0056	<0.0057	<0.0063
Dibenzo(a,h)anthracene	mg/kg	38	0.0088	<0.0092	<0.0088	<0.0084	<0.0086	<0.0094
Fluoranthene	mg/kg	500	600	2.090	1.000	<0.011	<0.011	<0.013
Fluorene	mg/kg	100	600	1.050	0.432	<0.011	<0.011	<0.013
Ideno(1,2,3-cd)pyrene	mg/kg	680	0.088	<0.0062	0.0076	<0.0056	<0.0057	<0.0063
1-Methylnaphthalene	mg/kg	23	1,100	4.190	1.630	<0.033	<0.034	<0.038
2-Methylnaphthalene	mg/kg	20	600	4.800	1.750	<0.028	<0.029	<0.031
Naphthalene	mg/kg	0.4	20	**0.640**	0.292	<0.033	<0.034	<0.038
Phenanthrene	mg/kg	1.8	18	**2.220**	0.957	<0.0056	<0.0057	<0.0063
Pyrene	mg/kg	8,700	500	2.590	1.170	<0.0056	<0.0057	<0.0063

Notes:

mg/kg = Milligrams per Kilogram

PAH = Polynuclear Aromatic Hydrocarbons

< = Less than Laboratory Method Detection Limit

Bold Value = Exceedance of any of above referenced standards

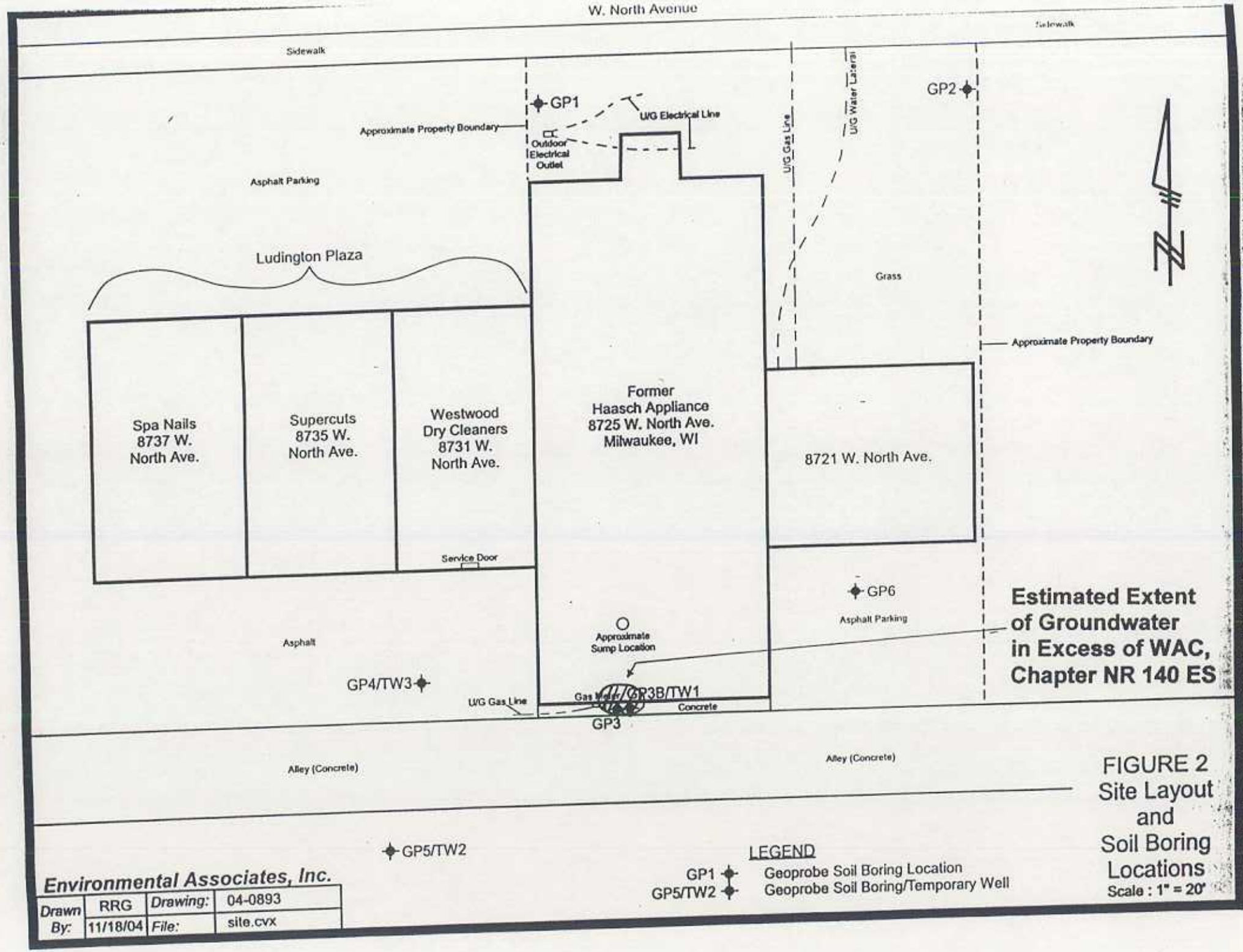
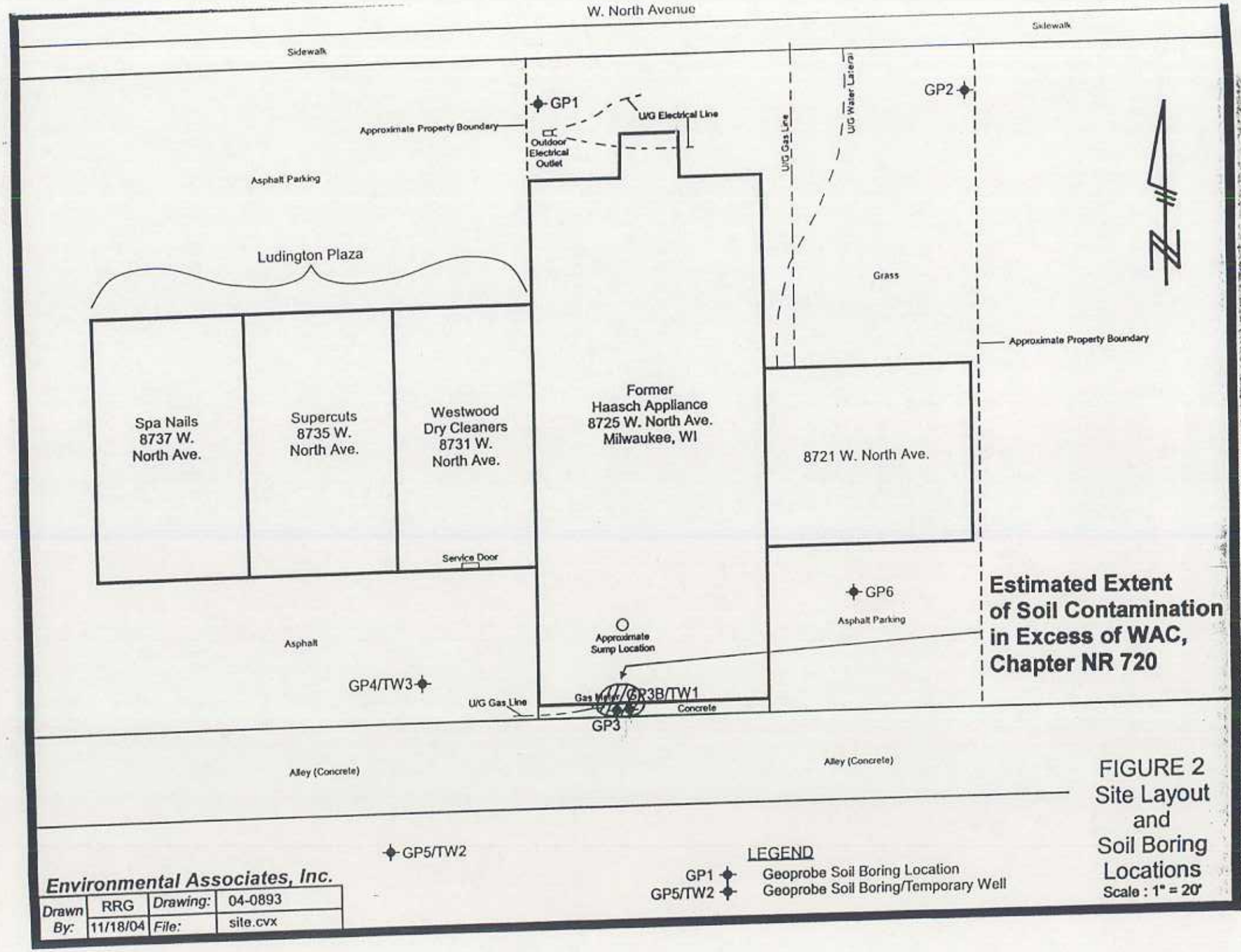


FIGURE 2
Site Layout and Soil Boring Locations
Scale : 1" = 20'


W. North Avenue
Sidewalk
Sidewalk
GP1
U/G Electrical Line
Approximate Property Boundary
Outdoor Electrical Outlet
Asphalt Parking
U/G Gas Line
U/G Water Lateral
GP2
Ludington Plaza
Grass
Approximate Property Boundary
Spa Nails 8737 W. North Ave.
Supercuts 8735 W. North Ave.
Westwood Dry Cleaners 8731 W. North Ave.
Former Haasch Appliance 8725 W. North Ave. Milwaukee, WI
8721 W. North Ave.
Service Door
GP6
Asphalt Parking
Estimated Extent of Soil Contamination in Excess of WAC, Chapter NR 720
Approximate Sump Location
Asphalt
GP4/TW3
U/G Gas Line
Gas Meter
GP3B/TW1
Concrete
GP3
Alley (Concrete)
Alley (Concrete)
GP5/TW2
LEGEND
GP1 Geoprobe Soil Boring Location
GP5/TW2 Geoprobe Soil Boring/Temporary Well
Environmental Associates, Inc.
Drawn By: RRG 11/18/04
Drawing: 04-0893
File: site.cvx
FIGURE 2
Site Layout and Soil Boring Locations
Scale : 1" = 20'

As the responsible party for the Former Haasch Appliance Center property, located at 8725 W. North Avenue in Wauwatosa, Wisconsin, I believe that the legal description for the property given on the most recent deed is complete and accurately describes the contaminated property.

DENNIS L. WANLESS

Print Name

Signature

11/23/04

Date