The following site is being submitted for inclusion into the GIS registry:

- To begin, click on cell to the right of; *This is a:*
- Use Tab, ↓ or Pg Down to navigate form. Print & include with file when completed.

This is a:	New Submittal
BRRTS ID (no dashes):	**0352167640**
Comm # (no dashes):	53185430903
County:	Racine
Region:	Southeast
Site Name:	Waterford Automotive Service
Street Address:	103 N Milwaukee St
City:	Waterford
Final Closure Date:	2002-10-30
Closure Conditions:	met
Off-source property contamination?	No

(If yes, attach locational data and deed information on pg. 2)

Right-of-way contamination?	Yes
Contaminated media:	Groundwater and Soil

GPS Coordinates (meters in the **WTM91** projection)

Easting (X):	666528
Northing (Y):	256060
Collection Method:	DNR Web Site
Scale or Resolution:	1:959

(1:24,000 scale or finer)

Prepared by:	
Submitted by:	David Blair

Source Property Checklist

- ☒ Final Closure Letter
- ☒ The most recent deed including legal descriptions, for all properties within or partially within the contaminated site boundaries w/ Soil > NR 720 RCL and/or GW > NR 140 ES
- ☒ A certified surveyed map or the relevant section of the recorded plat map for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map
- ☒ Parcel ID for all properties w/ Soil > NR 720 RCL and/or GW > NR 140 ES
- ☒ General Location Map
- ☒ Detailed Location Map showing property boundaries, buildings, MW(s), soil borings and/or potable wells etc for properties w/ Soil > NR 720 RCL and/or GW > NR 140 ES
- ☒ Latest Map(s) showing extent or outline of current GW and/or Soil contamination plume
- ☒ Latest Table of GW and/or Soil results
- ☒ Map showing GW flow direction
- ☒ A table of the previous 4 water level elevation measurements
- ☒ Geologic cross section (if generated as part of the site investigation)
- ☒ Statement signed by RP certifying correctness of legal descriptions
- ☒ ROW Notification

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
http://www.commerce.state.wi.us
http://www.wisconsin.gov
Scott McCallum, Governor
Philip Edw. Albert, Secretary

Wisconsin
Department of Commerce

October 30, 2002

Mr. Herbert D. Foat
Waterford Automotive
415 Fox Isle Park Dr.
Waterford, WI 53185

RE: **Final Closure**

Commerce # 53185-4309-03 WDNR BRRTS # 03-52-167640
Waterford Automotive Service, 103 N. Milwaukee St., Waterford

Dear Mr. Foat:

The Wisconsin Department of Commerce (Commerce) has received all items required for closure. This site 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 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, appropriate measures must be implemented to assure that it is managed following all applicable regulations. If future site conditions indicate that any remaining contamination poses a threat, and 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.

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) 220-5375.

Sincerely,

Greg Michael
Hydrogeologist
Site Review Section

cc: Moraine Environmental, Inc.
Case File

DOCUMENT NO.

1082595

QUIT CLAIM DEED
STATE BAR OF WISCONSIN — FORM 3
THIS SPACE RESERVED FOR RECORDING DATA

Register's Office
Racine County, Wis.
Received for record 17th day of November 1980 at 8:21 o'clock A M and recorded in Vol. 1589 of Records page 8-9

Stanley F. Bielecki
Register of Deeds

3.00

RETURN TO
Attorney Mike Dubis
208 E. Main
Waterford, Wisconsin

Tax Key No. .....

JEFFREY J. BRUNET, ROYDEN BRUNET, SCOTT E. BRUNET, and MARY J. LAUER, HERBERT FOAT as Personal representative of the Estate of MARIE H. FOAT, GRACE F. McMAHON, JAMES FOAT

quit-claims to HERBERT FOAT

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

See attached

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

Dated this 15 day of November, 1980

Jeffrey J. Brunet (SEAL)
JEFFREY J. BRUNET

Royden Brunet (SEAL)
ROYDEN BRUNET

Scott E. Brunet (SEAL)
SCOTT E. BRUNET

Mary J. Lauer (SEAL)
MARY J. LAUER

Herbert Foat (Seal)
HERBERT FOAT as Per. Rep of the Estate of Marie H. Foat

Grace F. McMahon James Foat (Seal)
GRACE F. McMAHON, JAMES FOAT

AUTHENTICATION

Signatures authenticated this 15 day of November 1980

Michael F. Dubis

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

THIS INSTRUMENT WAS DRAFTED BY

Attorney Mike Dubis

(Signatures may be authenticated or acknowledged. Both are not necessary.)
The use of witnesses is optional.

ACKNOWLEDGMENT

STATE OF WISCONSIN
..... County. } ss.

Personally came before me, this ..... day of ..... 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.

QUIT CLAIM DEED

STATE BAR OF WISCONSIN
FORM No. 3 - 1977

VOL. 1589 PAGE 8

Wisconsin Legal Blank Co. Inc.

(A)

VOL 1589 PAGE 8

PARCEL 2: THAT PART OF THE SOUTHWEST QUARTER (SW¼) OF SECTION THIRTY-SIX (36), TOWNSHIP FOUR (4), NORTH, RANGE NINETEEN (19), EAST, BOUNDED AS FOLLOWS, TO-WIT: BEGIN AT THE WEST QUARTER CORNER OF THE AFORESAID SECTION 36, RUN THENCE SOUTH, ALONG THE WEST LINE OF SAID SOUTHWEST QUARTER (SW¼) OF SECTION 36, 224.85 FEET TO THE CENTERLINE OF MAIN STREET AS LAID OUT IN VILLAGE OF WATERFORD; RUN THENCE NORTH 88° 13' EAST, ALONG SAID CENTERLINE, 95.0 FEET TO THE PLACE OF BEGINNING OF THIS DESCRIPTION; RUN THENCE NORTH 88° 13' EAST, ALONG SAID CENTERLINE, 64.05 FEET; THENCE NORTH, PARALLEL TO THE WEST LINE OF SAID SOUTHWEST QUARTER (SW¼), 164.9 FEET; THENCE WEST, PARALLEL TO THE EAST AND WEST QUARTER LINE OF SAID SECTION 36, 73.0 FEET; THENCE SOUTHEASTERLY 165.55 FEET, MORE OR LESS, TO THE PLACE OF BEGINNING. SAID LAND BEING IN THE VILLAGE OF WATERFORD, COUNTY OF RACINE AND STATE OF WISCONSIN. SUBJECT TO A LIFE ESTATE IN EDNA BARNES.

Wisconsin Real Estate Transfer Tax $ 7.00

TRUSTEE'S DEED

PURSUANT TO THE ORDER OF THE HONORABLE JON B. SKOW, Circuit Judge in and for Racine County, Wisconsin, said order dated November 10th, 1980, and recorded in the Office of the Register of Deeds in and for Racine County on the 17th day of November, 1980, in Volume 1589 of Records, Pages 1-3, as Document No. 1082592, I, the undersigned HERBERT D. FOAT, Trustee under the Trust set up in the will of Irving T. Foat for the benefit of Marie H. Foat, do hereby convey whatever interest I might have in and to the property described as Exhibit A unto myself, HERBERT D. FOAT.

This is not homestead property.

Dated at Waterford, Wisconsin this 15 day of November, 1980.

Herbert D. Foat
HERBERT D. FOAT

Subscribed and sworn to before me this 15 day of November, 1980.

Notary Public, State of Wisconsin

My commission ~~expires~~/is PERMANENT.

This document drafted by
Attorney Michael F. Dubis

1082596

Register's Office
Racine County, Wis. } SS
Received for Record 17th day of November A.D. 1980 at 8:22 o'clock A M and recorded in Volume 1589 of Records pages 10-11

3.00

Vol. 1589 PAGE 10

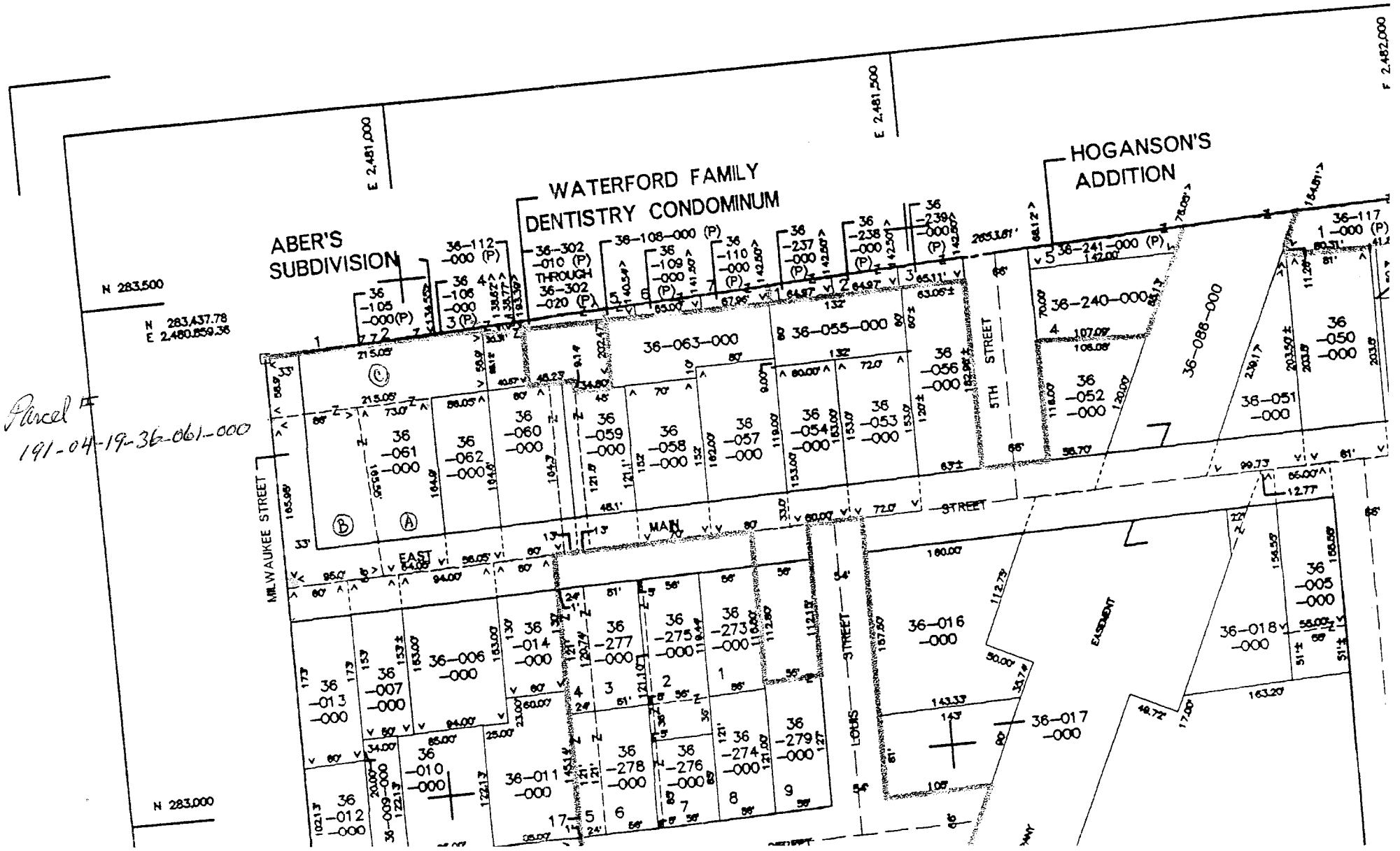
Parcel # 191 04-19-36-061-000

Exhibit A

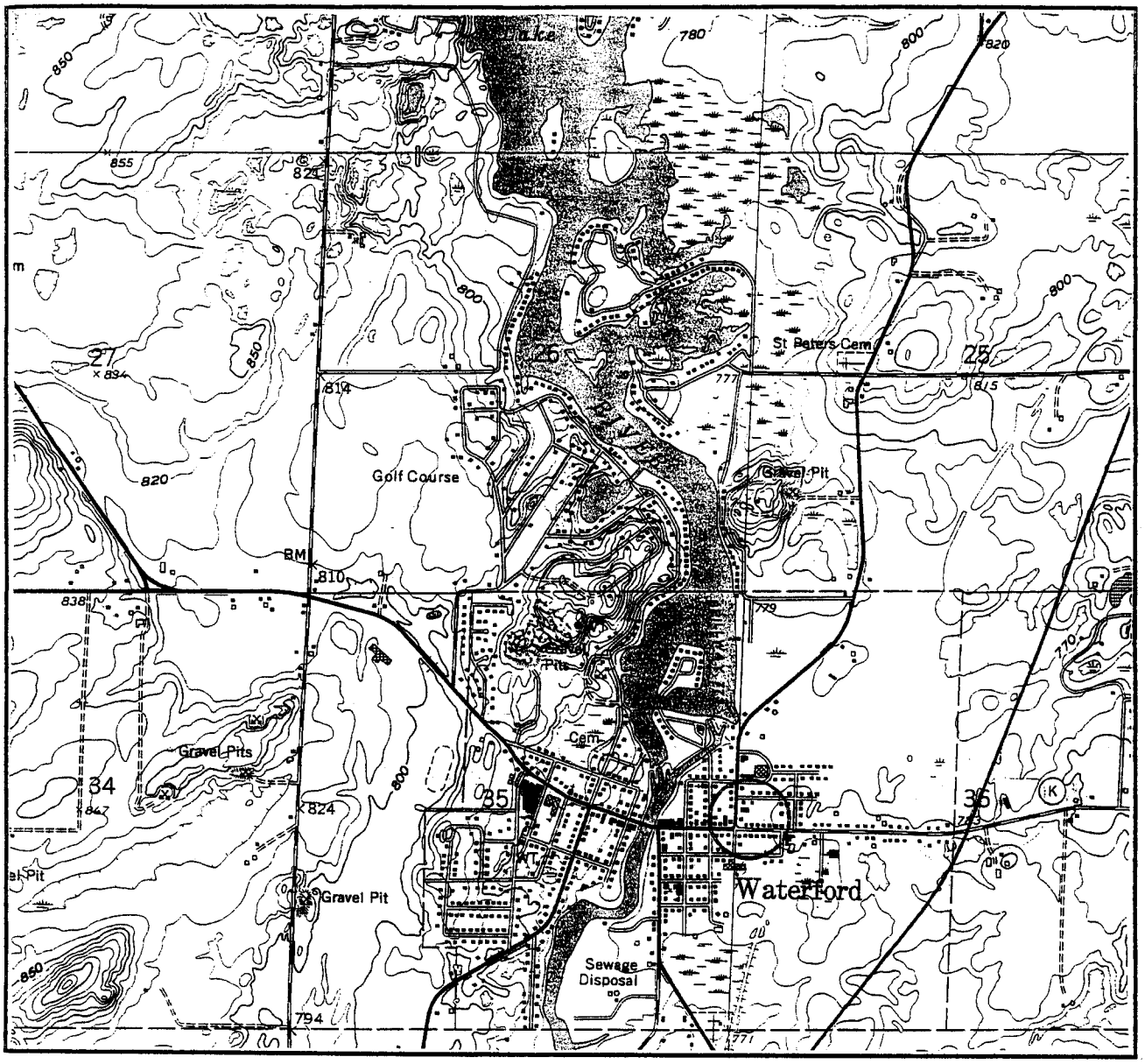
(B) Parcel 1: That part of the Southwest 1/4 of Section 36, Township 4 North, Range 19 East, Village of Waterford, Racine County, Wisconsin, bounded as follows, to-wit: Begin at the West quarter corner of aforesaid Section 36, run thence South, along the West line of said SW 1/4 of said Section 36, 58.9 feet; thence East, parallel to the East and West quarter line of said Section 36, 86.0 feet to the place of beginning of this description; run thence West, parallel to the East and West quarter line of said Section 36, 86 feet to the West line of said SW 1/4 of said Section 36; thence South, along said West line, 165.95 feet, to the center-line of Main Street as laid out in the Village of Waterford; thence North 88°13' East, along said center line, 95.0 feet; thence Northwesterly, 165.55 feet, more or less, to the place of beginning. Said land being in the Village of Waterford, Racine County, Wisconsin, Appraised Value

(C) Parcel 2: That part of the Southwest 1/4 of Section 36, Township 4 North, Range 19 East, bounded as follows: Begin at the West quarter corner of aforesaid section 36; run thence South, along the West line of said SW 1/4 of Section 36, 58.9 feet; thence East, parallel to the East and West quarter line of said Section 36, 215.05 feet, to the Northeast corner of lands described in deed recorded in s. office of Register of Deeds for Racine County, Wisconsin, in Vol. 496 of Deeds, on page 363, thence North, parallel to the West line of said Section 36, 58.9 feet to the East and West quarter line of said Section 36; thence West, along the said East and West quarter line 215.05 feet to the place of beginning. Said land being in the Village of Waterford, Racine County, Wisconsin, Appraised Value

Wisconsin Real Estate Transfer Tax $ 35.00



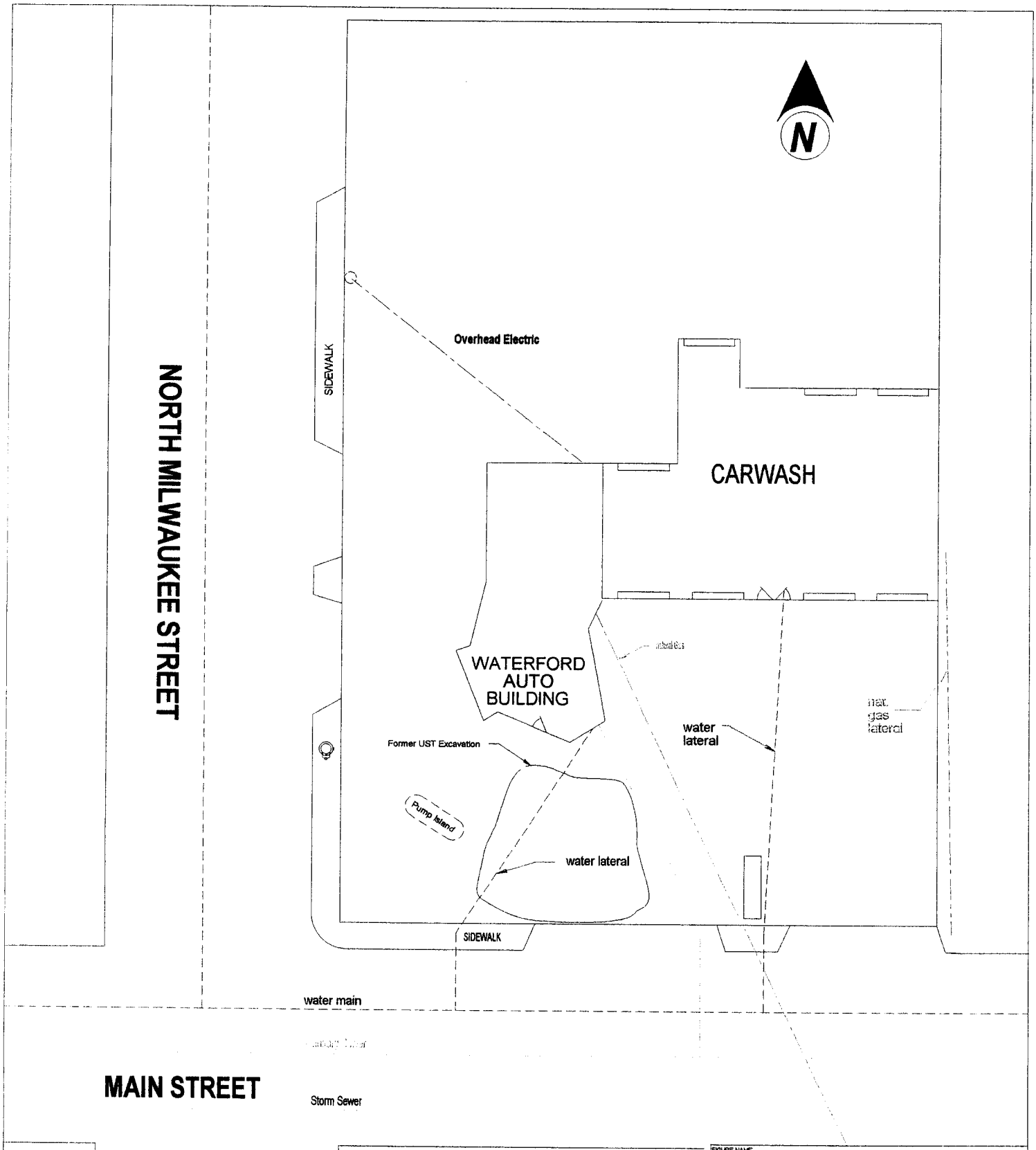
Parcel #
191-04-19-36-061-000



SITE LOCATION

SCALE 1:24,000

Site Location Map		
Waterford Automotive **103 North Milwaukee Street** **Waterford, Wisconsin**		
1723	*Moraine Environmental, Inc.*	
1:24,000	7-22-00	*Figure 1*



SCALE: 1" = 30'

30' 20' 10' 0' 10' 20' 30'

FIGURE NAME
Site Plan Map

SITE NAME
Waterford Automotive Service
103 North Milwaukee Street
Waterford, Wisconsin

PROJECT NUMBER	DRAWING COMPANY	
1723R	Moraine Environmental, Inc.	
FIGURE	DATE	DRAWING
7	9-1-00	1723FGB

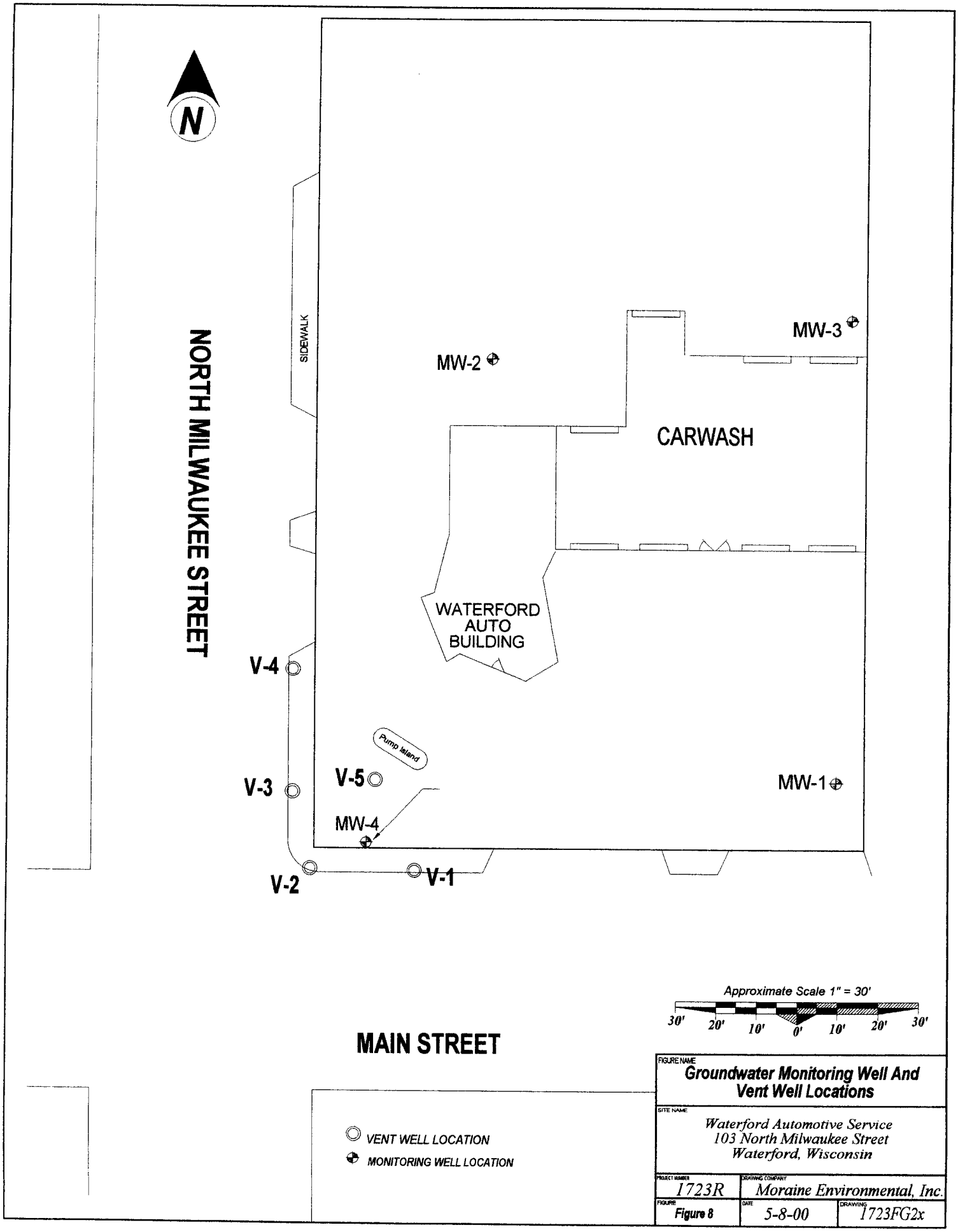


FIGURE NAME: **Groundwater Monitoring Well And Vent Well Locations**		
SITE NAME: *Waterford Automotive Service 103 North Milwaukee Street Waterford, Wisconsin*		
PROJECT NUMBER: *1723R*	DRAWING COMPANY: *Moraine Environmental, Inc.*	
FIGURE: **Figure 8**	DATE: *5-8-00*	DRAWING: *1723FG2x*

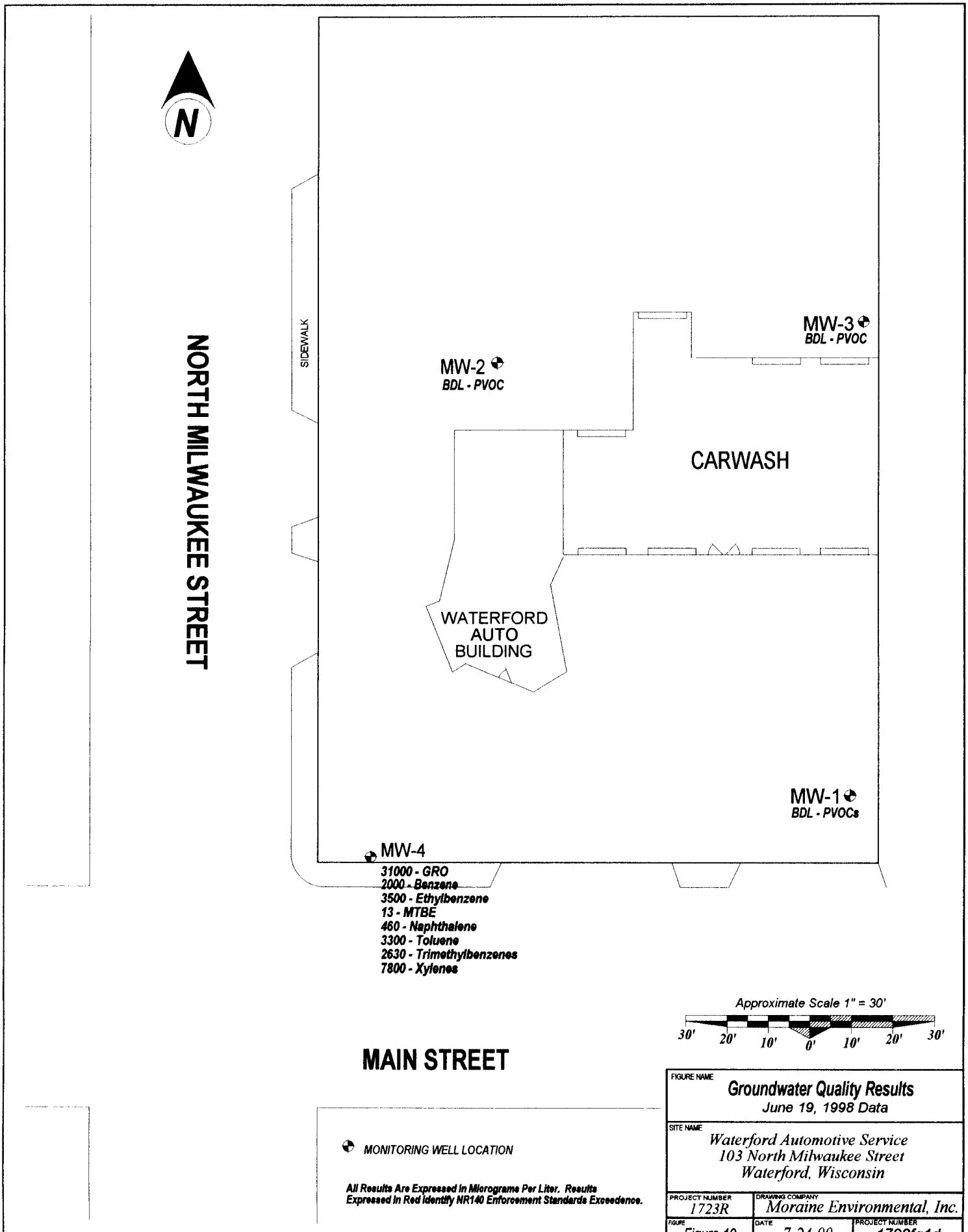
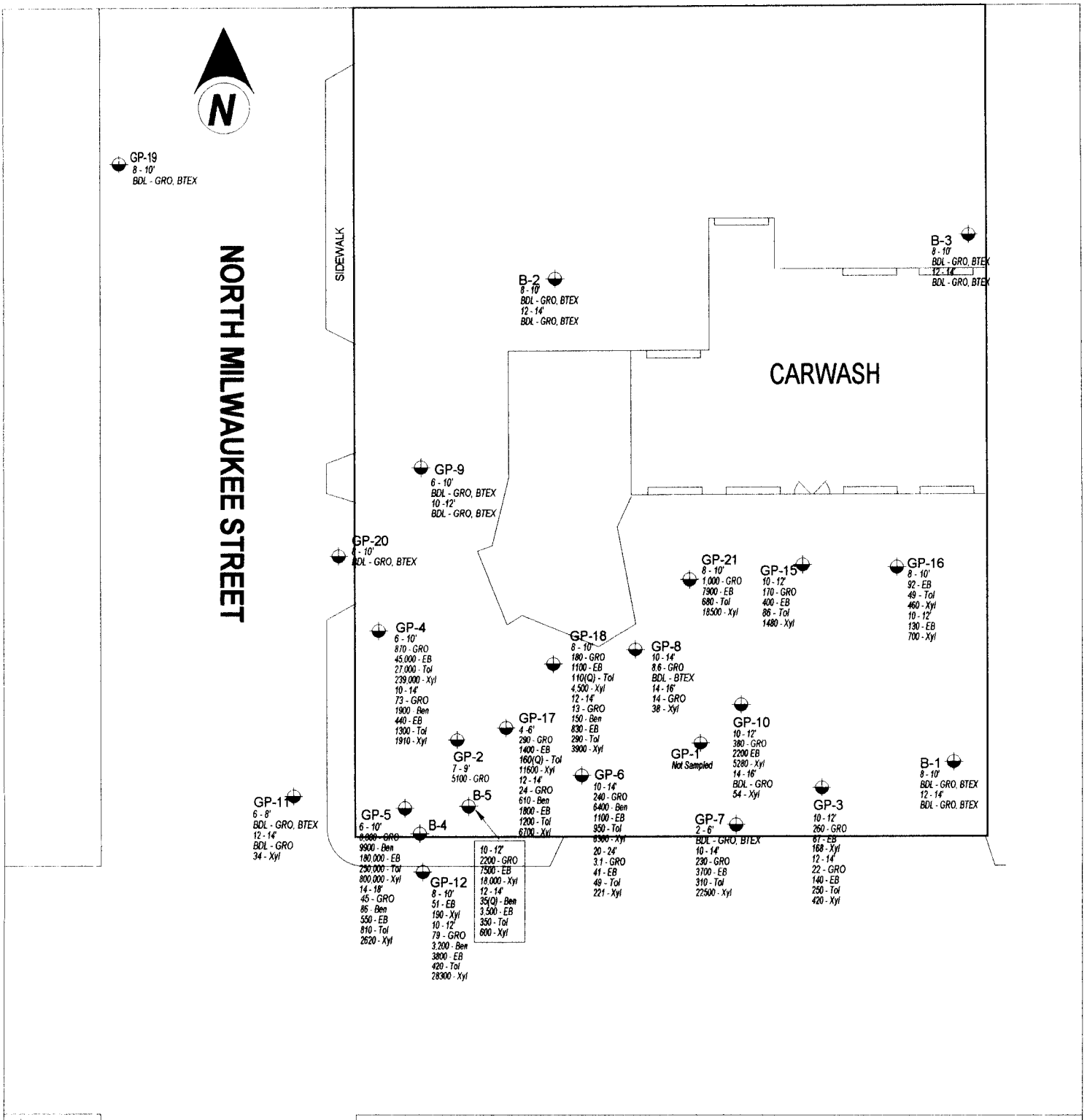


FIGURE NAME: **Groundwater Quality Results** *June 19, 1998 Data*		
SITE NAME: *Waterford Automotive Service, 103 North Milwaukee Street, Waterford, Wisconsin*		
PROJECT NUMBER: *1723R*	DRAWING COMPANY: *Moraine Environmental, Inc.*	
FIGURE: *Figure 10*	DATE: *7-24-00*	PROJECT NUMBER: *1723fg1d*



LEGEND

CURRENT SOIL BORING LOCATIONS

BTEX - Benzene, Toluene, Ethylbenzene, Xylene
GRO - Gasoline Range Organics
Ben - Benzene
Tol - Toluene
EB - Ethylbenzene
Xyl - Xylene
BDL - Below Method Detection Limit

Concentrations Identified In Red Identify An NR720 Cleanup Standard Exceedance

SCALE: 1" = 30'

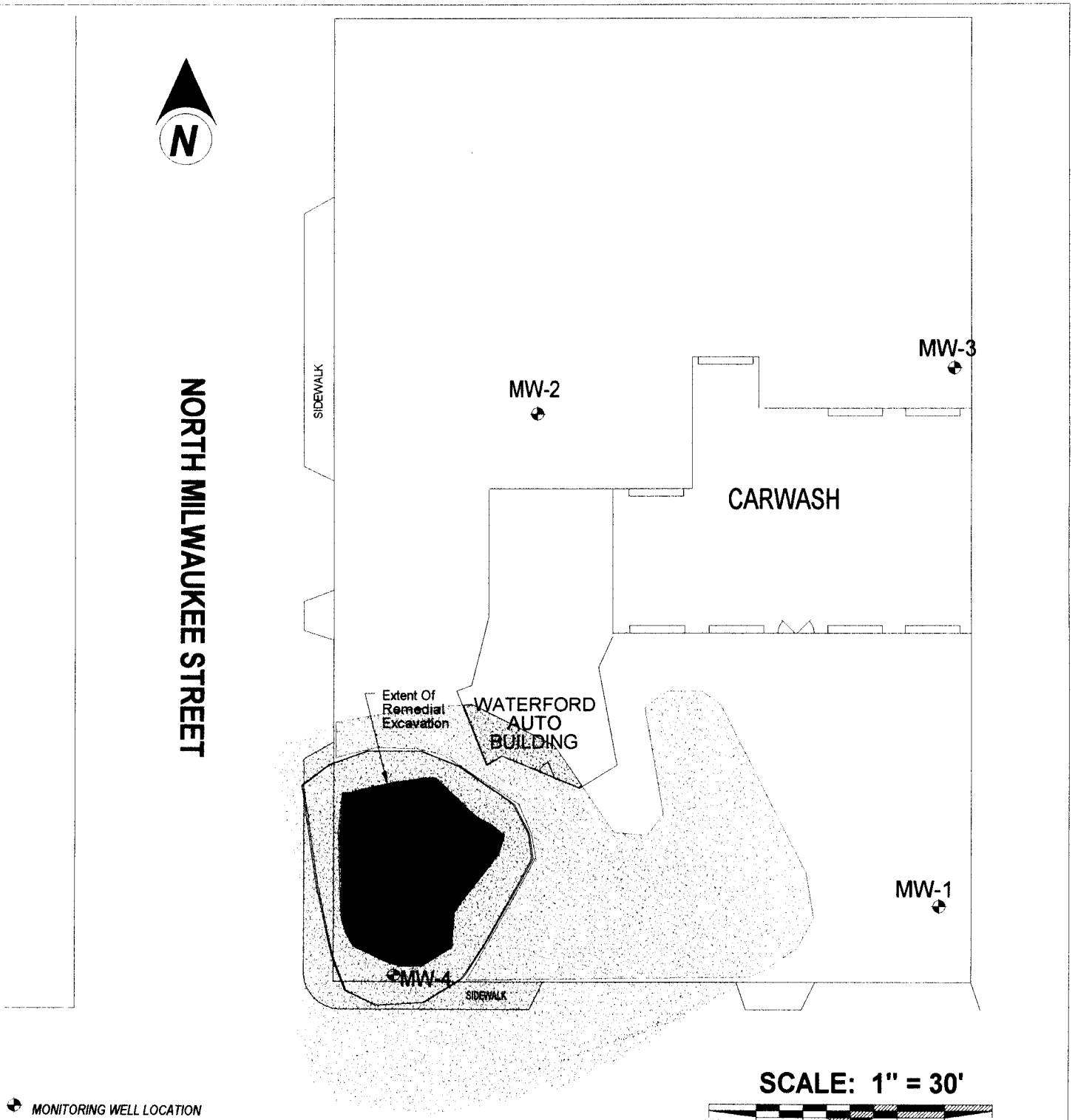
30' 20' 10' 0' 10' 20' 30'

* Dimensions And Locations On Map Are Approximate and For Reference Only - Site Has Not Been Surveyed.

FIGURE NAME
Investigative Soil Quality Results

SITE NAME
Waterford Automotive Service
103 North Milwaukee Street
Waterford, Wisconsin

PROJECT NUMBER	DRAWING COMPANY	
1723	Moraine Environmental, Inc.	
FIGURE	DATE	DRAWING
Figure 8	7-18-00	1723fg1x.skd

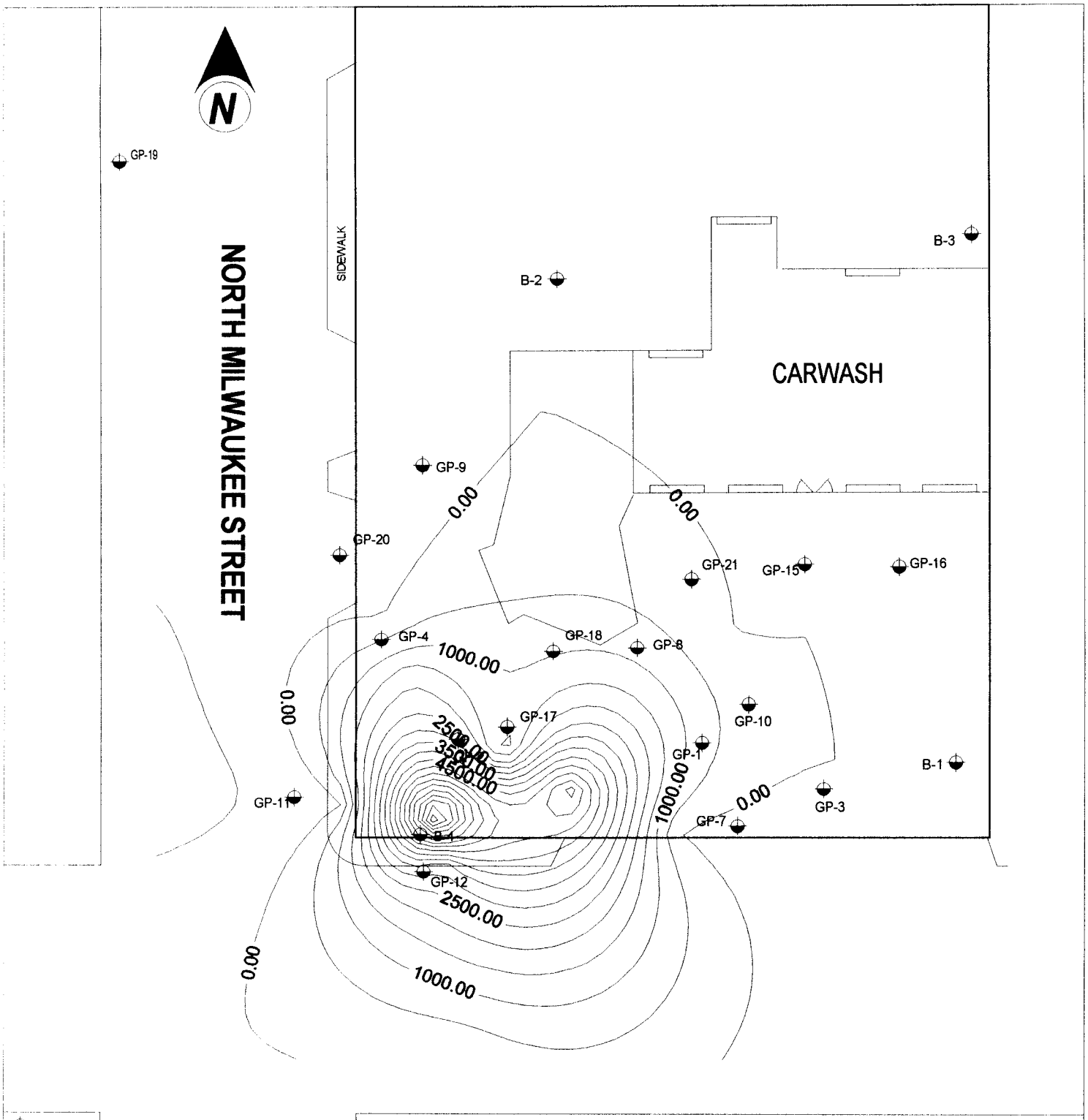


Estimated Areas Of Impact Are Based On Laboratory Data And The Iso-Concentration Modeling Surfer Mapping System

Figure Name
Estimated Extent Of Residual Soil Impacts Exceeding NR 720 RCLs

Site Name
Waterford Automotive Service
103 North Milwaukee Street
Waterford, Wisconsin

Project Number	Drawing Company	
1723	Moraine Environmental, Inc.	
FIGURE	DATE	Drawing Number
Figure 16	7-21-00	1723fg3a



LEGEND

CURRENT SOIL BORING LOCATIONS

SCALE: 1" = 30'

30' 20' 10' 0' 10' 20' 30'

* Dimensions And Locations On Map Are Approximate and For Reference Only - Site Has Not Been Surveyed.

FIGURE NAME	Iso - Concentration Map For Benzene In Soil
SITE NAME	Waterford Automotive Service 103 North Milwaukee Street Waterford, Wisconsin
PROJECT NUMBER: 1723	DRAWING COMPANY: Moraine Environmental, Inc.
FIGURE: Figure 13	DATE: 7-17-00 — DRAWING: 1723fg1z

TABLE 1
DETECTABLE GROUNDWATER QUALITY RESULTS
WATERFORD AUTO
MEI PROJECT #1723

Analyte	MW-1											MW-2											PAL	ES
	12-31-97	3-27-98	6-19-98	12-29-98	11-11-99	1-12-00	4-25-00	1-16-01	4-11-01	7-17-01	11-02-01	12-31-97	3-27-98	6-19-98	12-29-98	11-11-99	1-12-00	4-25-00	1-16-01	4-11-01	7-17-01	11-02-01		
Gasoline Range Organics	<50	NA	NA	NA	<50	<50	NA	NA	NA	NA	NA	<50	NA	NA	NA	<50	<50	NA	NA	NA	NA	NA	NSE	NSE
Diesel Range Organics	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<140	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NSE	NSE
Soluble Lead	<1.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.78[Q]	<1.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.39	1.5	15
VOC ANALYSIS																								
Benzene	<0.41	*	<0.26	<0.26	<0.26	<0.26	<0.26	<0.35	<0.45	<0.45	<0.45	<0.41	*	<0.27	<0.26	<0.26	<0.26	<0.26	<0.35	<0.45	<0.45	<0.45	0.50	5.0
Ethyl Benzene	<0.23	*	<0.24	<0.24	<0.24	<0.24	<0.24	<0.37	<0.82	<0.82	<0.82	0.28	*	<0.32	<0.24	<0.24	<0.24	<0.24	<0.37	<0.82	<0.82	<0.82	140	700
s-Butylbenzene	<0.23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NSE	NSE
n-Butylbenzene	<0.31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NSE	NSE
Isopropylbenzene	<0.27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NSE	NSE
Methylene chloride	0.46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	0.5
Methyl-tert-butyl-ether	<0.53	*	<0.22	<0.22	<0.22	<0.22	<0.22	<0.36	<0.43	<0.43	<0.43	<0.53	*	<0.32	<0.22	<0.22	<0.22	<0.22	<0.36	<0.43	<0.43	<0.43	12	60
Naphthalene	<0.66	NA	NA	NA	NA	NA	<0.89	<0.44	<0.89	NA	<0.89	<0.66	NA	NA	NA	NA	NA	<0.89	<0.44	<0.89	NA	<0.89	8	40
n-Propylbenzene	<0.27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NSE	NSE
Toluene	<0.28	0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.38	<0.68	<0.68	<0.68	0.55	0.39	<0.27	0.28[Q]	0.41	0.35[Q]	<0.21	<0.38	<0.68	<0.68	<0.68	200	1,000
Trimethylbenzenes	<0.30	*	<0.86	<0.86	<0.86	<0.86	<0.86	<0.37	<1.86	<1.86	<1.86	<0.41	*	<0.27	<0.86	<0.86	<0.86	<0.86	<0.37	<1.86	<1.86	<1.86	96	480
Total Xylenes	<0.51	*	<0.97	<0.37	<0.97	<0.97	<0.97	<0.76	<2.47	<2.47	<2.47	0.64	*	<0.43	<0.37	<0.97	<0.97	<0.97	<0.76	<2.47	<2.47	<2.47	1,000	10,000

Key:
V = Vent well
MW = Monitoring well
NS = Not Sampled
*NA = Not Analyzed (Well abandoned)
VOC = Volatile Organic Compounds
NSE = No Standard Established
BOLD = Exceeds NR 140 Preventive Action Limit (PAL)
* = No Detect
BOLD & BOXED=Exceeds NR 140 Enforcement Standard (ES)
Q = Results are qualified due to the uncertainty of the parameter concentration between the LOD and LOQ.
All concentrations are in ug/l (micrograms per liter)

F:\WPWIN\METTEH1\1723\WTR.TAB

TABLE 1 (cont.)
DETECTABLE GROUNDWATER QUALITY RESULTS
WATERFORD AUTO
MEI PROJECT #1723

Analyte	MW-3											MW-4											PAL	ES
	12-31-97	3-27-98	6-19-98	12-29-98	11-11-99	1-12-00	4-25-00	1-16-01	4-11-01	7-17-01	11-02-01	12-31-97	3-27-98	6-19-98	12-29-98	11-11-99	1-12-00	4-25-00	1-16-01	4-11-01	7-17-01	11-02-01		
Gasoline Range Organics	<50	NA	NA	NA	<50	<50	NA	NA	NA	NA	NA	38000	2800	31000	46000	52000	20000	NA	NA	NA	NA	NA	NSE	NSE
Diesel Range Organics	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NSE	NSE
Soluble Lead	<1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.39	<1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	**19**	1.5	15
VOC ANALYSIS																								
Benzene	<0.41	*	<0.27	<0.26	<0.26	<0.26	<0.26	<0.35	<0.45	<0.45	<0.45	**2700**	**1100**	**2000**	**2100**	**3000**	**1400**	**1300**	**1300**	**1500**	**910**	**690**	0.50	5.0
Ethyl Benzene	<0.23	*	<0.32	<0.24	<0.24	<0.24	<0.24	<0.37	<0.82	<0.82	<0.82	**3700**	**1600**	**3500**	**3700**	**4500**	**960**	**2100**	**3300**	**3900**	**2900**	**1500**	140	700
s-Butylbenzene	<0.23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NSE	NSE
n-Butylbenzene	<0.31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NSE	NSE
Isopropylbenzene	<0.27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NSE	NSE
Methylene chloride	0.42	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	0.5
Methyl-tert-butyl-ether	**15**	*	<0.32	<0.22	<0.22	<0.22	<0.22	<0.36	<0.43	<0.43	<0.43	<26	**12**	**13**	<11	<11	<4.4	<4.4	<9.0	<22	<11.0	<4.3	12	60
Naphthalene	<0.66	NA	NA	NA	NA	NA	<0.89	<0.44	<0.89	NA	<0.89	**440**	**280**	**460**	**580**	NA	NA	**400**	**420**	**450**	NA	**260**	8	40
n-Propylbenzene	<0.27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	350	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NSE	NSE
Toluene	<0.28	0.27	<0.27	0.28Q	0.88	<0.21	<0.21	<0.38	<0.68	<0.68	<0.68	**6100**	**4500**	**3300**	**4700**	7000	**3000**	**2300**	**2900**	**7400**	**2700**	**1700**	200	1,000
Trimethylbenzenes	<0.30	*	<0.27	<0.86	2.3Q	<0.86	<0.86	<0.37	<1.86	<1.86	<1.86	**3130**	**2520**	**2630**	**4160**	**5200**	**2200**	**2530**	**2210**	**2630**	**1090**	**1650**	96	480
Total Xylenes	<0.51	*	<0.43	<0.37	<0.97	<0.97	<0.97	<0.76	<2.47	<2.47	<2.47	**10300**	**8100**	**7800**	**3100**	**13900**	**3900**	**6900**	**6900**	**11,100**	**5700**	**5600**	1,000	10,000

Key:
V = Vent well
MW = Monitoring well
NS = Not Sampled
*NA = Not Analyzed (Well Abandoned)
VOC = Volatile Organic Compounds
NSE = No Standard Established
BOLD = Exceeds NR140 Preventive Action Limit (PAL)
* = No Detect
BOLD & BOXED =Exceeds NR140 Enforcement Standard (ES)
Q = Results are qualified due to the uncertainty of the parameter concentration between the LOD and LOQ.
All concentrations are in ug/l (micrograms per liter).

F:\WPWIN\MEITEH\1723\WTR.TAB

TABLE 1 (cont.)
DETECTABLE GROUNDWATER QUALITY RESULTS
WATERFORD AUTO
MEI PROJECT #1723

Analyte	V-1							V-2							V-3							PAL	ES
	11-11-99	1-12-00	4-25-00	1-16-01	4-11-01	7-17-01	11-02-01	11-11-99	1-12-00	4-25-00	1-16-01	4-11-01	7-17-01	11-02-01	11-11-99	1-12-00	4-25-00	1-16-01	4-11-01	7-17-01	11-02-01		
Gasoline Range Organics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NSE	NSE
Diesel Range Organics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NSE	NSE
Soluble Lead	NA	NA	NA	NA	**37**	**13**	**40**	NA	NA	NA	NA	**25**	**18**	13	NA	NA	NS	NA	**1.6**	0.54	0.69[Q]	1.5	15
VOC ANALYSIS																							
Benzene	**960**	**1000**	**1300**	**1000**	**1200**	**310**	**300**	**140**	**160**	**210**	**230**	**400**	**310**	**110**	<2.7	<0.26	NS	<0.35	<0.45	<0.45	<0.45	0.50	5.0
Ethyl Benzene	**8400**	**1200**	**2700**	**2600**	**3100**	**1200**	**2100**	**2200**	**1400**	**1500**	**1300**	**1800**	**1500**	**930**	**140**	17	NS	1.3	1.5[Q]	<0.82	<0.82	140	700
s-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NSE	NSE
n-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NSE	NSE
Isopropylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NSE	NSE
Methylene chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	5	0.5
Methyl-tert-butyl-ether	<40	<11	<11	<18	44[Q]	<11	**27**	<32	28	<5.5	<7.2	20[Q]	<11	**15**	<3.2	1.1	NS	<0.36	0.51[Q]	<0.43	<0.43	12	60
Naphthalene	NA	NA	**570**	**600**	**500**	NA	**640**	NA	NA	**370**	**280**	**320**	NA	**210**	NA	NA	NS	0.61[Q]	1.0[Q]	NA	<0.89	8	40
n-Propylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NSE	NSE
Toluene	**13000**	**3900**	**6500**	**5600**	**5900**	**2200**	**2400**	**830**	**490**	**1300**	**1000**	**1300**	**1300**	**570**	14	0.74	NS	<0.38	<0.68	<0.68	<0.68	200	1,000
Trimethylbenzenes	**22200**	**3670**	**4100**	**4460**	**3830**	**1510**	**4800**	**4850**	**4250**	**3110**	**2400**	**2770**	**2380**	**1760**	**1070**	**115**	NS	4.91[Q]	21.60	2.7[Q]	1.2[Q]	96	480
Total Xylenes	**44000**	**12600**	**15700**	**15700**	**16200**	**6100**	**11600**	**8800**	**5300**	**5800**	**5200**	**6700**	**5900**	**3700**	610	58	NS	<0.76	4.4	2.47	<2.47	1,000	10,000

Key:
V = Vent well
MW = Monitoring well
NS = Not Sampled
*NA = Not Analyzed (Well abandoned)
VOC = Volatile Organic Compounds
NSE = No Standard Established
BOLD = Exceeds NR 140Preventive Action Limit (PAL)
* = No Detect
BOLD & BOXED =Exceeds NR 140 Enforcement Standard (ES)
[Q] = Results are qualified due to the uncertainty of the parameter concentration between the LOD and LOQ
All concentrations are in ug/l (micrograms per liter)

F:\WPWIN\MEITEH17\1723WTR.TAB

TABLE 1 (cont.)
DETECTABLE GROUNDWATER QUALITY RESULTS
WATERFORD AUTO
MEI PROJECT #1723

Analyte	V-4							V-5							GP-11W	GP-13W	GP-14W	PAL	ES
	11-11-99	1-12-00	4-25-00	1-16-01	04-17-01	7-17-01	11-02-01	11-11-99	1-12-00	4-25-00	1-16-01	4-11-01	7-17-01	11-02-01	4-15-98	4-15-98	4-15-98		
Gasoline Range Organics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NS	*NA	260	71	NA	NSE	NSE
Diesel Range Organics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NS	*NA	NA	NA	NA	NSE	NSE
Soluble Lead	NA	NA	NA	NA	**4.5**	**3.3**	**1.9**	NA	NA	NS	NA	0.48	NS	*NA	NA	NA	NA	1.5	15
VOC ANALYSIS																			
Benzene	**150**	**93**	77	**47**	**27**	**18**	**9.0**	<0.27	<0.26	NS	<0.35	<0.45	NS	*NA	0.48	0.38	ND	0.50	5.0
Ethyl Benzene	**380**	**230**	**430**	**230**	**330**	**260**	130	0.37 Q	<0.24	NS	<0.37	3.1	NS	*NA	3.8	1.2	ND	140	700
s-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NS	*NA	NA	NA	NA	NSE	NSE
n-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NS	*NA	NA	NA	NA	NSE	NSE
Isopropylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NS	*NA	NA	NA	NA	NSE	NSE
Methylene chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NS	*NA	NA	NA	NA	5	0.5
Methyl-tert-butyl-ether	<1.6	3.4	<0.88	<0.90	9.0	6.1	4.6	<0.32	<0.22	NS	<0.36	<0.43	NS	*NA	0.26	ND	ND	12	60
Naphthalene	NA	NA	**81**	<33	**55**	NA	**27**	NA	NA	NS	<0.44	<0.89	NS	*NA	NA	NA	NA	8	40
n-Propylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NS	*NA	NA	NA	NA	NSE	NSE
Toluene	50	6.3	12	9.1	5.8	3.5Q	1.6Q	0.87	<0.21	NS	<0.38	<0.68	NS	*NA	1.6	1.5	ND	200	1,000
Trimethylbenzenes	**950**	**380**	**520**	**277**	**460**	**290**	**154**	1.27Q	<0.86	NS	<0.37	1.0Q	NS	*NA	24.1	9.0	ND	96	480
Total Xylenes	682	227	465	154	302	184	104.9	8.9	<0.97	NS	<0.76	21.2	NS	*NA	8.9	4.27	ND	1,000	10,000

Key:
V = Vent well
MW = Monitoring well
NS = Not Sampled
*NA = Not Analyzed (Well abandoned)
VOC = Volatile Organic Compounds
NSE = No Standard Established
BOLD = Exceeds NR 140Preventive Action Limit (PAL)
* = No Detect
BOLD & BOXED =Exceeds NR 140 Enforcement Standard (ES)
Q = Results are qualified due to the uncertainty of the parameter concentration between the LOD and LOQ
All concentrations are in ug/l (micrograms per liter).

F:\WPWIN\MEITEH\1723\WTR.TAB

TABLE 2
LABORATORY ANALYSIS RESULTS - SOIL BORINGS
WATERFORD AUTO
MEI PROJECT #1723

Boring/ Geoprobe	Depth (feet bgs)	DRO (mg/kg)	GRO (mg/kg)	Lead (mg/kg)	Benzene	sec-Butyl-benzene	t-Butyl-benzene	n-Butyl-benzene	1,2-Dichloro-ethane	Diisopropyl ether	Ethyl Benzene	Isopropyl-benzene	p-Isopropyl-toluene	Methyl-tert-butyl-ether	Naphtha-lene	n-Propyl-benzene	Toluene	1,2,4-TMB	1,3,5-TMB	Xylenes (total)
GP-1	---	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GP-2	7-9	NA	**100**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GP-3	10-12'	NA	**260**	45	<25	270	<25	270	<25	<25	67	120	190	<25	130	650	<25	1500	840	168
GP-3	12-14'	NA	22	4.5	<25	73	<25	44	<25	<25	140	51	91	<25	31	92	250	250	54	420
GP-4	6-10'	NA	**870**	8.5	<630	2700	<630	13000	<630	<630	**45000**	6000	1700	<630	19000	25000	**27000**	160000	49000	**239000**
GP-4	10-14'	NA	73	6.5	**1900**	<25	<25	43	**79**	57	440	<25	<25	<25	110	110	1300	640	180	1910
GP-5	6-10'	NA	**8000**	14	**9900**	8500	<1300	35000	<1300	<1300	**180000**	22000	4100	<1300	37000	87000	**250000**	440000	140000	**800000**
GP-5	14-18'	NA	45	<3.8	**86**	45	<25	200	<25	<25	550	83	<25	<25	320	360	810	2200	580	2620
GP-6	10-14'	NA	**240**	6.7	**6400**	57	<25	240	<25	<25	1100	150	<25	41	450	540	950	3000	940	**6360**
GP-6	20-24'	NA	3.1	<3.4	<25	<25	<25	<25	<25	<25	41	<25	<25	<25	48	<25	49	100	28	221
GP-7	2-6'	NA	<2.9	8.7	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
GP-7	10-14'	NA	**230**	6.3	<62	490	<62	1400	<62	<62	**3700**	1700	300	<62	1800	5400	310	26000	5300	**22500**
GP-8	10-14'	21	8.6	11	<25	<25	<25	96	<25	<25	<25	<25	<25	<25	<25	96	<25	98	140	<25
GP-8	14-16'	<4.5	14	6.4	<25	66	<25	86	<25	<25	<25	<25	32	<25	<25	<25	<25	180	<25	38
GP-9	6-10'	NA	<2.9	5.8	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
GP-9	10-12'	NA	<2.8	7.1	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
GP-10	10 - 12'	NA	**380**	NA	<100	810	130	3500	<100	<100	2200	1600	660	<100	1900	5000	<100	25000	8800	**5280**
GP-10	14 - 16'	NA	<3.0	NA	<25	NA	NA	NA	NA	NA	<25	NA	NA	<25	NA	NA	<25	34	78	54
GP-11	6 - 8'	NA	<3.0	NA	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	44	<25	<25
GP-11	12 - 14'	NA	<2.8	NA	<25	NA	NA	NA	NA	NA	<25	NA	NA	<25	NA	NA	<25	29	<25	34
GP-12	8 - 10'	NA	<2.8	NA	<25	<25	<25	110	<25	<25	51	36	<25	<25	30	140	<25	690	ND250	190
GP-12	10-12'	NA	79	NA	**3200**	NA	NA	NA	NA	NA	**3800**	NA	NA	62	NA	NA	420	5900	1400	**28,300**
GP-13	8 - 10'	NA	<2.8	NA	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
GP-14	10 - 12'	NA	<3.0	NA	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
GP-15	10 - 12'	NA	**170**	NA	<25	120	<25	260	<25	<25	400	110	110	<25	200	310	86	1800	620	1480
GP-15	12 - 14'	NA	<2.8	NA	<25	NA	NA	NA	NA	NA	<25	NA	NA	<25	NA	NA	<25	36	<25	51
GP-16	8-10'	NA	<3.1	9.2	<25	<25	<25	<25	<25	<25	92	<25	<25	<25	<25	39 Q	49 Q	230	65 Q	460
GP-16	10-12'	NA	3.0	NA	<25	NA	NA	NA	NA	NA	130	NA	NA	<25	NA	NA	42 Q	410	130	700
GP-17	4-6'	NA	**290**	9.1 Q	<100	830	<100	4900	<100	<100	1400	770	420	<100	6400	3600	160 Q	40,000	12,000	**11,600**
GP-17	12-14'	NA	24	8.6 Q	**610**	NA	NA	NA	NA	NA	1800	NA	NA	<25	NA	NA	1200	2300	650	**6700**
GP-18	8-10'	NA	**180**	11 Q	<50	870	<50	3800	<50	<50	1100	760	410	<50	1600	3700	110 Q	17,000	5700	**4500**
GP-18	12-14'	NA	13	NA	**150**	NA	NA	NA	NA	NA	830	NA	NA	<25	NA	NA	290	1400	420	3900
GP-19	8'-10'	NA	<2.8	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
GP-20	8'-10'	NA	<2.9	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	42(Q)	<25	<25
GP-21	8'-10'	NA	**1000**	NA	<200	1200	<200	5700	<200	<200	**7900**	2100	750	<200	3500	8700	680	44000	15000	**18500**
B-1	8-10'	NA	<3.1	NA	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
B-1	12-14'	NA	<2.8	NA	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
B-2	8-10'	NA	<2.7	NA	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	27	<25	<25
B-2	12-14'	NA	<3.3	NA	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
B-3	8-10'	NA	<2.7	NA	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
B-3	12-14'	NA	<2.9	NA	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
B-5	10-12'	NA	**2200**	NA	<500	2000	1100	7800	<500	<500	**7500**	3500	1700	<500	4600	13000	<500	60000	21000	**18,000**
B-5	12-14'	NA	<3.1	NA	35Q	<25	<25	<25	<25	<25	**3500**	<25	<25	<25	<25	<25	350	<25	<25	600
NR720 RCLs Contaminant Levels		100 (mg/kg)	100 (mg/kg)	50 mg/kg	5.5	NSE	NSE	NSE	4.9	NSE	2900	NSE	NSE	NSE	NSE	NSE	1500	NSE	NSE	4100

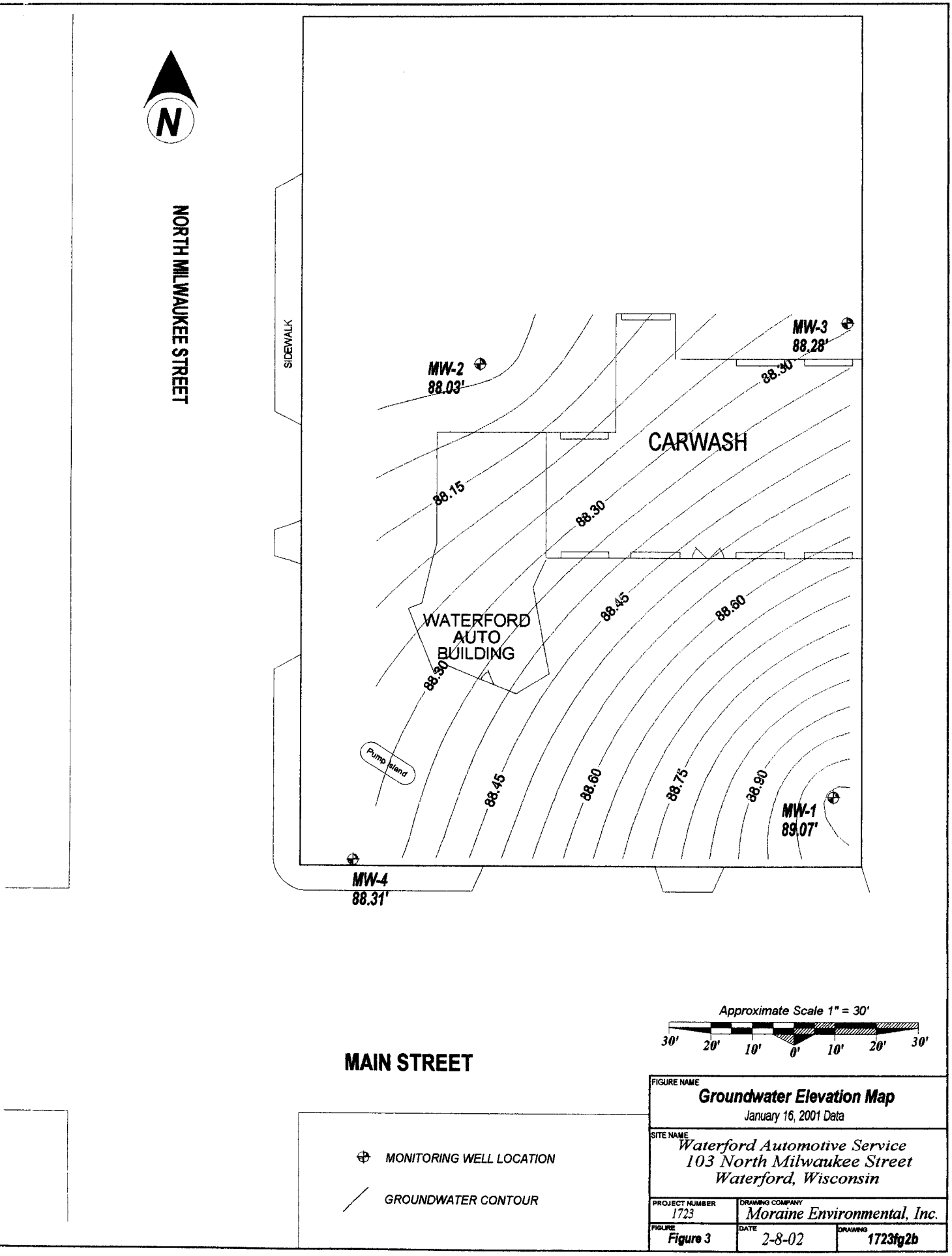
Key: All results reported in micrograms per kilogram (ug/kg) unless otherwise noted.
RCL - Residual Contaminant Levels
Bolded outline & Bolded Result - Indicates concentrations exceeding NR 720 generic RCLs
NA - Not Analyzed
NSE - No Standard Established
mg/kg - milligrams per kilogram
TMB - Trimethylbenzene
Q - Results are qualified due to the uncertainty of the parameter concentration between the LOD and LOQ

TABLE 4
REMEDIAL EXCAVATION CONFIRMATORY SOIL SAMPLE RESULTS
WATERFORD AUTO

Chemical	Transport 1 10-5-99	Transport 2 10-5-99	West Wall 14' 10-5-99	North Wall 10' 10-5-99	East Wall 14' 10-5-99	South Wall 14' 10-5-99	Base 15' 10-5-99	NR720 Generic RCLs
Benzene	**690**	**760**	**160**	<200	<200	<500	**1400**	5.5
Ethyl Benzene	**29000**	**81000**	**4100**	**14000**	**9600**	**34000**	710	2,900
Methyl-Tert-Butyl-Ether	<500	870	<25	<200	<200	<500	<25	NSE
Toluene	**7600**	**30000**	550	1100	760	**13000**	300	1,500
1,2,4-Trimethylbenzene	70000	180000	7300	46000	38000	96000	1300	NSE
1,3,5-Trimethylbenzene	22000	61000	2100	15000	12000	31000	350	NSE
Xylene, Total	**102000**	**301000**	**11900**	**52000**	**39000**	**137000**	2920	4,100

Key:
NSE - No Standard Established
RCL - Residual Contaminant Levels
Bold & Boxed Results - Exceeds NR 720 Generic Residual Contaminant Level
All results reported in micrograms/kilogram (ug/kg)

F:\WPWIN\MEITEH17\1723SOIL.TBL


N
NORTH MILWAUKEE STREET
SIDEWALK
MW-2
88.03'
MW-3
88.28'
88.30
CARWASH
88.15
88.30
WATERFORD
AUTO
BUILDING
88.45
88.60
88.30
Pump Island
88.45
88.60
88.75
88.90
MW-1
89.07'
MW-4
88.31'
MAIN STREET
Approximate Scale 1" = 30'
30' 20' 10' 0' 10' 20' 30'
MONITORING WELL LOCATION
GROUNDWATER CONTOUR
FIGURE NAME
Groundwater Elevation Map
January 16, 2001 Data
SITE NAME
Waterford Automotive Service
103 North Milwaukee Street
Waterford, Wisconsin
PROJECT NUMBER
1723
DRAWING COMPANY
Moraine Environmental, Inc.
FIGURE
Figure 3
DATE
2-8-02
DRAWING
1723fg2b

residential housing, to the south by Main Street and residential property, and to the west by Milwaukee Street, a vacant lot and River City Lanes.

2.0 Geology and Receptors

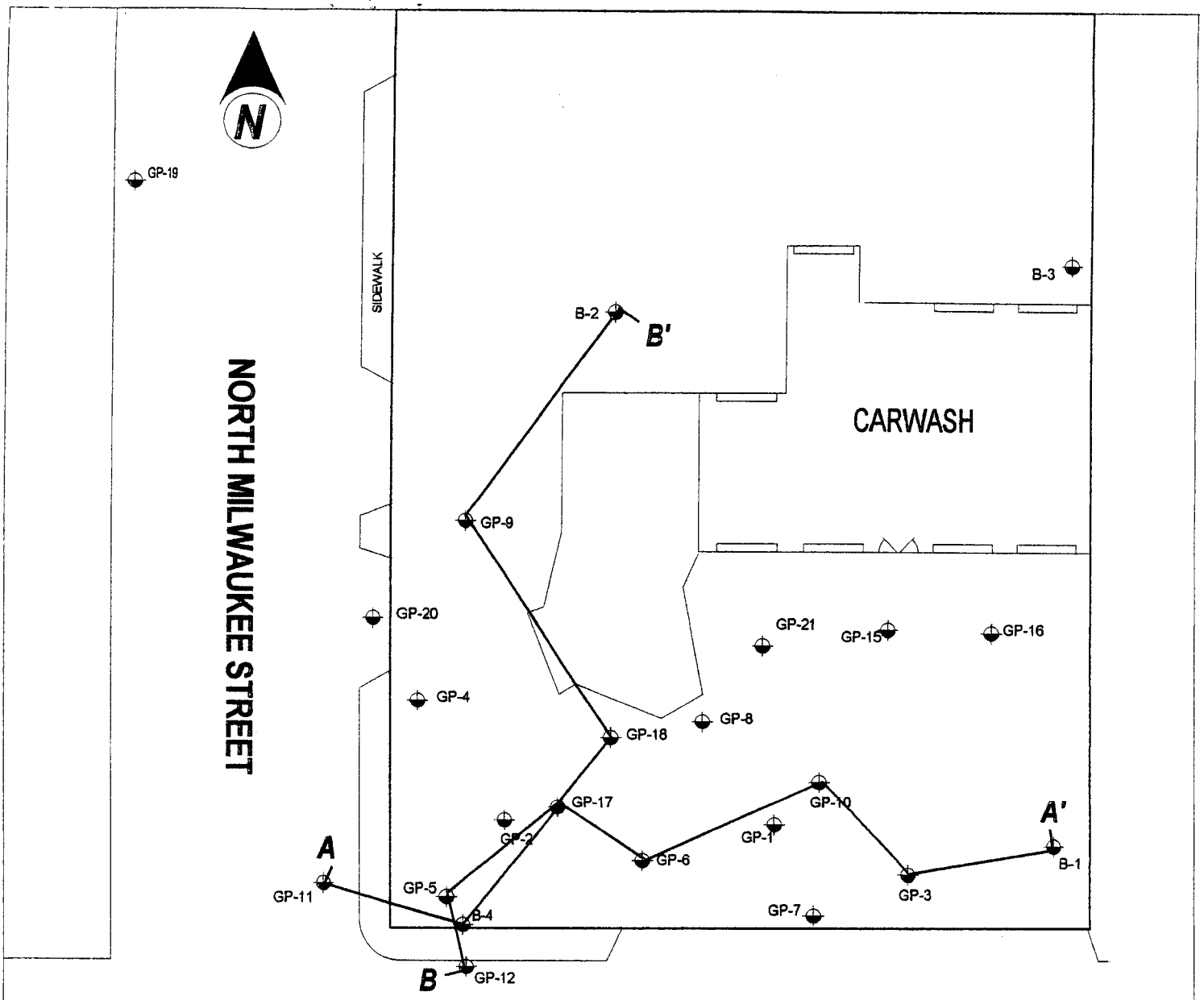
2.1 Geology and Hydrogeology

Soil encountered during the site investigative and remedial activities consisted of sandy clay (or sandy silt) with numerous sand and gravel seams (<13' bgs); underlain by gray silty clay (13' – 24' bgs). Geologic columnar sections (Figures 2B and 2C) further illustrate subsurface conditions. A columnar section location map is presented as Figure 2A.

Groundwater flow has historically and consistently been toward the northwest. The depths to groundwater observed within the monitoring wells have generally ranged from approximately 8.5' to 10' feet below ground surface. Groundwater elevations observed in the monitoring wells over the last four rounds of monitoring are summarized below. Groundwater elevation maps are presented as Figures 3, 4, 5 and 6.

Groundwater Elevation Data				
Well I.D.	Top of Casing Elevation	Measurement Dates	Depth to Groundwater from Top of Well Casing	Groundwater Elevation Relative to 100' Datum
MW-1	97.72'	January 16, 2001	8.65'	89.07'
		April 25, 2001	8.35'	90.28'
		July 17, 2001	9.10'	88.62'
		November 2, 2001	8.80'	88.92'
MW-2	97.67'	January 16, 2001	9.64'	88.03'
		April 25, 2001	8.77'	89.05'
		July 17, 2001	9.71'	87.96'
		November 2, 2001	9.12'	88.55'
MW-3	98.51'	January 16, 2001	10.23'	88.28'
		April 25, 2001	9.36'	89.05'
		July 17, 2001	10.53'	87.98'
		November 2, 2001	9.95'	88.56'
MW-4	96.84'	January 16, 2001	8.53'	88.31'
		April 25, 2001	7.67'	89.24'
		July 17, 2001	8.82'	88.02'
		November 2, 2001	Not Measured	Not Available

A bail down test performed on groundwater monitoring well MW-4 yielded a hydraulic conductivity result of 1.46×10^{-4} centimeters / second (cm/sec). According to NR 746.03, saturated soils within the contaminant plume underlying the Waterford Auto site are characterized as permeable.



LEGEND

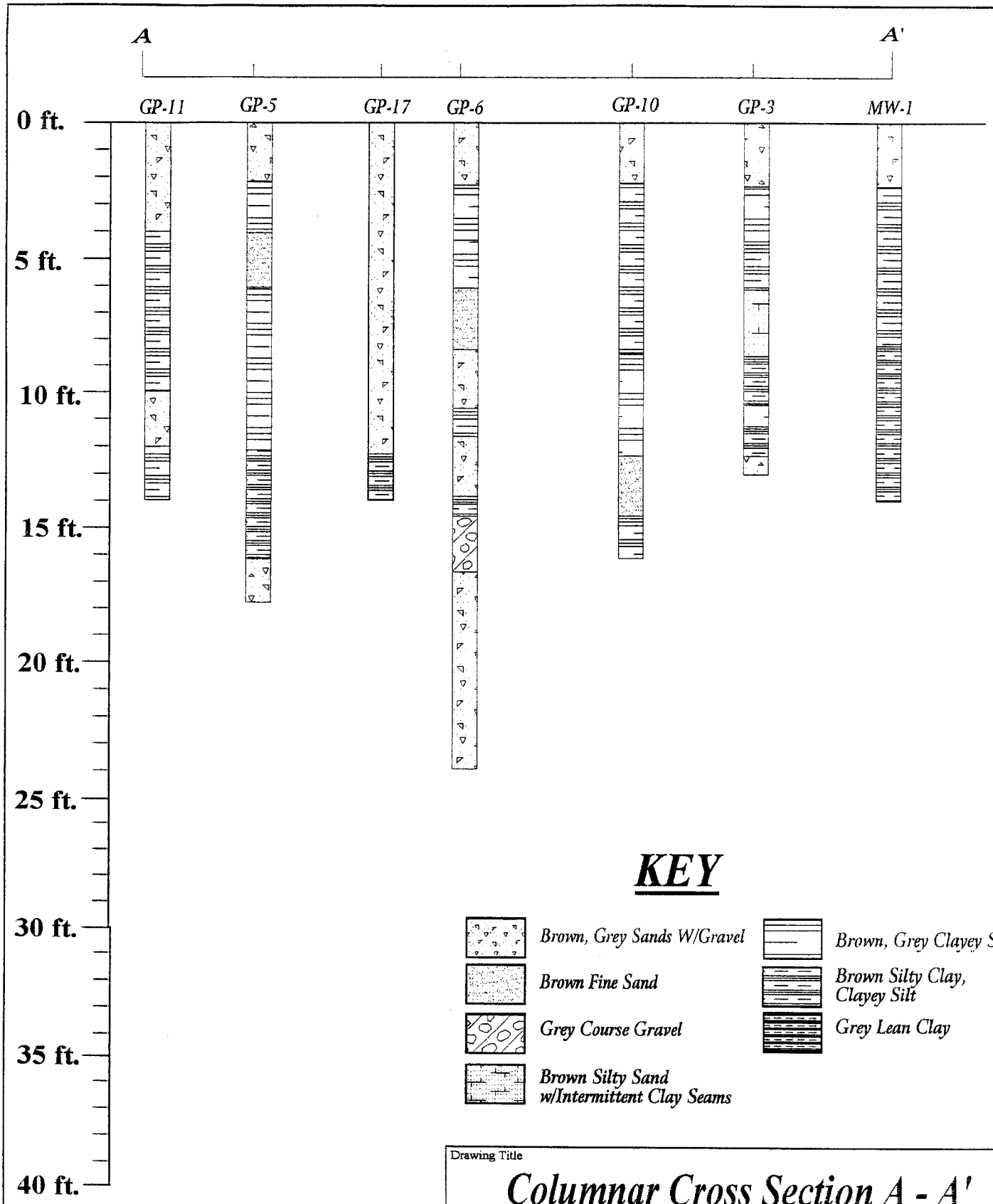
GP-14 CURRENT SOIL BORING LOCATIONS

SCALE: 1" = 30'

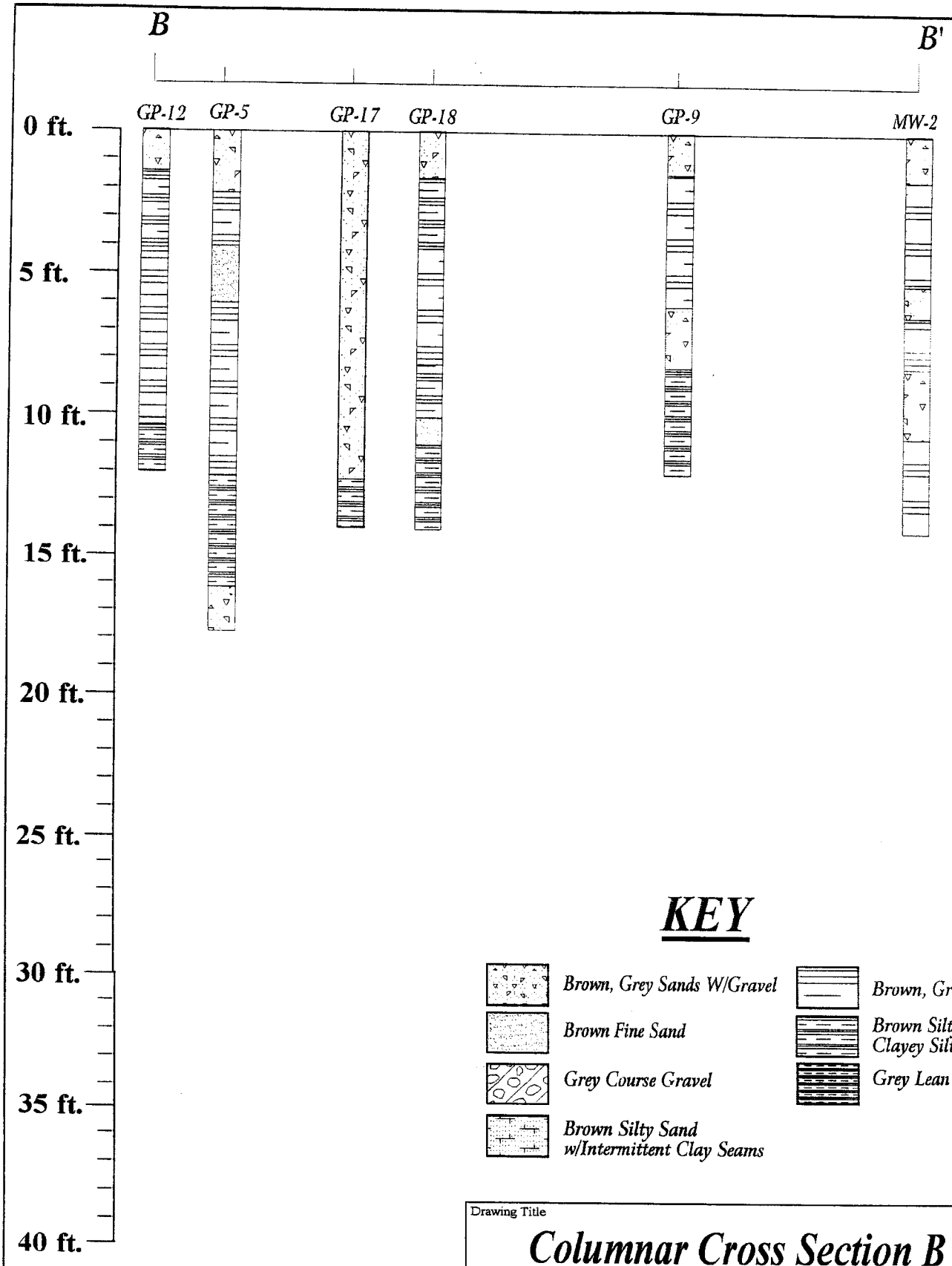
30' 20' 10' 0' 10' 20' 30'

** Dimensions And Locations On Map Are Approximate and For Reference Only - Site Has Not Been Surveyed.*

FIGURE NAME	*Columnar Cross Section Location Map*
SITE NAME	*Waterford Automotive Service 103 North Milwaukee Street Waterford, Wisconsin*
PROJECT NUMBER: *1723*	DRAWING COMPANY: *Moraine Environmental, Inc.*
FIGURE: *Figure 2C*	DATE: *7-22-00* / DRAWING: *1723fg1w.skd*



Drawing Title: **Columnar Cross Section A - A'**		
Drawing Company: Moraine Environmental, Inc.		Drawing Number: 1723fg5
Date: 10-15-99	Scale: Scale: Vertical Scale: 1" = 5' Horizontal scale: 1" = 30'	Figure: Figure 2A



Drawing Title

Columnar Cross Section B - B'

Drawing Company	Drawing Number
Moraine Environmental, Inc.	1723fg5b

Date	Scale	Figure
10-18-99	Scale: Vertical Scale: 1" = 5' Horizontal scale: 1" = 30'	Figure 2B

March 23, 2002

Wisconsin Department of Commerce
Environmental & Regulatory Services
101 Pleasant Street, Suite #100A
Milwaukee WI 53212-3963

RE: **Waterford Auto** Project #1723
103 N. Milwaukee Street, Waterford WI
BRRTS #03-52-167640

To Whom It May Concern:

I certify that, to the best of my knowledge, the legal description attached to this statement is complete, accurate, and describes the correct contaminated property site.

If you should have any questions, please do not hesitate to contact me, or my consultant, Moraine Environmental at (262) 377-9060.

Sincerely, Herbert Foat

Herb Foat
Waterford Auto

Enc.

Moraine Environmental, Inc.
Environmental Management Services

October 4, 2002

Moraine Project Reference #1723

Mr. Randy Niewolny
Director of Public Works
Village of Waterford
801 Ela Avenue
Waterford, WI 53185

Re: Notification of Contaminated Soil and Groundwater Within
The N. Milwaukee Street and Main Street Right-of-Ways

Dear Mr. Niewolny:

On behalf of Mr. Herb Foat, and as a condition of Wisconsin Department of Commerce (Commerce) case closure, Moraine Environmental, Inc. (MEI) is providing written notification of the presence of residual soil and groundwater contamination within the Village of Waterford right-of-way beneath N. Milwaukee Street and Main Street. Contaminant concentrations and their approximate locations are presented in the enclosed Figure and Tables. The residual soil and groundwater contamination is related to a leaking underground storage tank system formerly located at the Herb Foat property, 103 North Milwaukee Street, Waterford, Wisconsin.

On July 31, 2002, Commerce granted conditional case closure for this site. By granting closure, Commerce concurs with MEI that residual contaminants are at concentrations that no longer pose a threat to human health or the environment. No further site activities are required.

If you have any questions, please contact me at (262) 377-9060.

Sincerely,

MORAINE ENVIRONMENTAL, INC.

Jeffrey M. Larkin
Project Geologist

cc: Mr. Herb Foat

F:\WPWIN\MEITEH17\1723 Village Notification letter.wpd

1234 12th Avenue • Grafton, WI 53024-1924 • (262) 377-9060 • FAX (262) 377-9770 • Email: moraine@execpc.com