

GIS REGISTRY INFORMATION

SITE NAME:

Bruce Miller Property

BRRTS #:

0267000560

FID # (if appropriate): 267088360

COMMERCE # (if appropriate):

CLOSURE DATE:

1/8/07

STREET ADDRESS:

W219 N11588 Appleton Ave

CITY:

Germantown

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection):

X= 667878

Y= 307780

See Figures

CONTAMINATED MEDIA:

Groundwater

Soil

Both

OFF-SOURCE GW CONTAMINATION >ES:

Yes

No

IF YES, STREET ADDRESS 1:

GPS COORDINATES (meters in WTM91 projection):

X=

Y=

OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL):

Yes

No

IF YES, STREET ADDRESS 1:

GPS COORDINATES (meters in WTM91 projection):

X=

Y=

CONTAMINATION IN RIGHT OF WAY:

Yes

No

DOCUMENTS NEEDED:

Closure Letter, and any conditional closure letter or denial letter issued

Copy of any maintenance plan referenced in the final closure letter.

Copy of (soil or land use) deed notice *if any required as a condition of closure*

Copy of most recent deed, including legal description, for all affected properties

Certified survey map or relevant portion of the recorded plat map (*if referenced in the legal description*) for all affected properties  
County Parcel ID number, *if used for county*, for all affected properties

Location Map which outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy). If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site.

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.

Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)

Tables of Latest Soil Analytical Results (no shading or cross-hatching)

Isoconcentration map(s), *if required for site investigation (SI)* (8.5x14" if paper copy). The isoconcentration map should have flow direction and extent of groundwater contamination defined. If not available, include the latest extent of contaminant plume map.

GW: Table of water level elevations, with sampling dates, and free product noted if present

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

Geologic cross-sections, *if required for SI*. (8.5x14" if paper copy)

RP certified statement that legal descriptions are complete and accurate

Copies of off-source notification letters (if applicable)

Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)

X
X
X
X
X
X
NA
X
NA
NA
NA
✓
NA
✓



## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor  
Scott Hassett, Secretary  
Gloria L. McCutcheon, Regional Director

Southeast Region Headquarters  
2300 N. Dr. Martin Luther King, Jr. Drive  
Milwaukee, Wisconsin 53212  
FAX 414-263-8606  
Telephone 414-263-8500  
TTY Access via relay - 711

January 8, 2007

FID # 267088360

Mr. Bruce Miller  
W.219 N. 11588 Appleton Avenue  
Germantown, WI 53022

SUBJECT: Final Case Closure  
Bruce Miller Property, W. 219 N. 11588 Appleton Avenue, Germantown, WI  
WDNR BRRTS Activity #: 02-67-000560

Dear Mr. Miller:

On October 31, 2006, the Department of Natural Resources reviewed the above referenced case for closure. The Department of Natural Resources reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. Based on the correspondence and data provided, it appears that your case meets the requirements of ch. NR 726, Wisconsin Administrative Code. The Department considers this case closed and no further investigation or remediation is required at this time.

Please be aware that pursuant to s. 292.12 Wisconsin Statutes, compliance with the requirements of this letter is a responsibility to which you and any subsequent property owners must adhere. If these requirements are not followed or if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, welfare, or the environment, the Department may take enforcement action under s. 292.11 Wisconsin Statutes to ensure compliance with the specified requirements, limitations or other conditions related to the property or this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code. It is the Department's intent to conduct inspections in the future to ensure that the conditions included in this letter including compliance with referenced maintenance plans are met.

Pursuant to s. 292.12(2)(a), Wis. Stats., the asphalt pavement cap that currently exists in the location shown on the attached map shall be maintained in compliance with the attached **maintenance plan** dated October 3, 2005 in order to minimize the infiltration of water and prevent additional groundwater contamination that would violate the groundwater quality standards in ch. NR 140, Wis. Adm. Code, and to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health. If soil in the specific locations described above is excavated in the future, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner at the time of excavation will need to determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other

direct contact hazard and as a result special precautions may need to be taken during excavation activities to prevent a health threat to humans.

The following activities are prohibited on any portion of the property where an asphalt pavement cap is required as shown on the attached map, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources: 1) removal of the existing barrier; 2) replacement with another barrier; 3) excavating or grading of the land surface; 4) filling on capped or paved areas; 5) plowing for agricultural cultivation; or 6) construction or placement of a building or other structure.

Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the GIS Registry. To review the sites on the GIS Registry web page, visit <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. If your property is listed on the GIS Registry because of remaining contamination and you intend to construct or reconstruct a well, you will need prior Department approval in accordance with s. NR 812.09(4)(w), Wis. Adm. Code. To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line <http://www.dnr.state.wi.us/org/water/dwg/3300254.pdf> or at the web address listed above for the GIS Registry.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact John Krahlung at (262) 574-2144.

Sincerely,



Walter A. Ebersohl

Southeast Region Remediation & Redevelopment Sub-Team Supervisor

cc: Mr. Thomas C. Sweet, Moraine Environmental

## **Operation and Maintenance Plan**

**Engineered Barrier - Asphalt Cover  
Bruce Miller Property  
W219 N11588 Appleton Avenue  
Germantown, Wisconsin 53022  
WDNR BRRTS No. 02-67-000560**

The following operation and maintenance plan is required by the Wisconsin Department of Natural Resources (WDNR) in accordance with Natural Resources Code NR 724.13, which addresses the Operation and Maintenance of remedial and interim actions. The remedial action implemented at the Bruce Miller property is the construction of an engineered barrier consisting of a soil and asphalt cover over soils having Residual Contaminant Level exceedences for several metals and polynuclear aromatic hydrocarbons. The purpose of the engineered barrier is to prevent the infiltration of rainwater and snowmelt into the impacted soil. In addition, the engineered barrier eliminates the potential of public health concerns by direct contact for any contaminant concentrations, which may be, located less than four feet below the surface grade. The location of the engineered barrier is shown on the attached figure of the subject property.

Whereas the following conditions apply to the engineered barrier:

1. The existing asphalt cover shall remain in-place in accordance with the deed restriction, as recorded for the subject property located at W219 N11588 Appleton Avenue, Germantown, Wisconsin. The asphalt cover shall remain in-place for a minimum of 30 years.
2. The property owner, at his option, can conduct future laboratory analysis of the contaminated soils beneath the asphalt cover. If this analysis indicates that contaminant concentrations have been reduced below WDNR soil quality standards in-place at that time, the owner can submit the soil analytical data

to the WDNR for review. If the soil analysis is approved by the WDNR, the deed restriction can be amended or removed from the property.

3. The following activities are prohibited at the asphalt cover area without written permission from the WDNR:
  - Excavating or grading on the cover area.
  - Placement of fill soils or materials on the cover area. Placement of fill soils or materials would impair the ability to inspect the cover to check the integrity of the asphalt surface.
  - Construction or installation of a building or other structure with a foundation that would sit on or be placed within the asphalt cover.
  - Plowing for agricultural cultivation.
4. The asphalt cover surface shall be maintained on the subject property in the locations shown on the attached map, unless another barrier with an infiltration rate of  $10^7$  cm / sec or less, is installed and maintained in its place.
5. The owner of the property shall conduct an inspection of the asphalt cover two times each year, as set forth on the attached inspection form. The property owner shall document the inspections on this form.
6. If asphalt surface cover abnormalities are identified during an inspection (i.e. cracking, excessive wear, depressions, buckling, etc.), corrective action shall be required. Corrective actions can include the filling of cracks, asphalt replacement or other actions as appropriate.
7. A seal coat cover shall be applied to the asphalt cover once each two years to maintain the cover integrity.

**Operation and Maintenance Plan - Inspection Form**

Engineered Barrier - Asphalt Cover

Bruce Miller Property

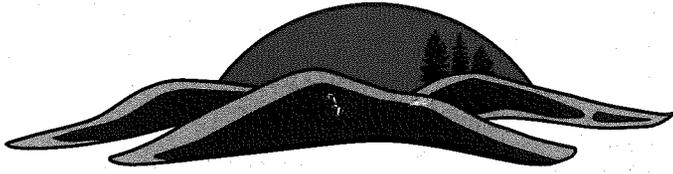
W219 N11588 Appleton Avenue

Germantown, Wisconsin 53022

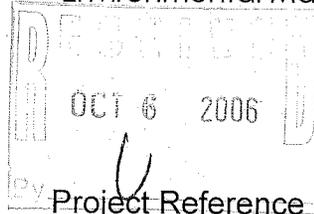
Task Description	2006		2007		2008		2009		2010		2011		2012		2013		2014		2015		
	March	Sept.																			
Conduct Visual Inspection																					
General Inspection Comments																					
Date of Seal Coating																					
Date of Repair / Resurfacing																					
Date of Replacement if Necessary																					
General Site Conditions:																					

Task Description	2016		2017		2018		2019		2020		2021		2022		2023		2024		2025		
	March	Sept.																			
Conduct Visual Inspection																					
General Inspection Comments																					
Date of Seal Coating																					
Date of Repair / Resurfacing																					
Date of Replacement if Necessary																					
General Site Conditions:																					

Operation and Maintenance Plan - Inspection Form																					
Engineered Barrier - Asphalt Cover																					
Bruce Miller Property																					
W219 N11588 Appleton Avenue																					
Germantown, Wisconsin 53022																					
Task Description	2026		2027		2028		2029		2030		2031		2032		2033		2034		2035		
	March	Sept.																			
Conduct Visual Inspection																					
General Inspection Comments																					
Date of Seal Coating																					
Date of Repair / Resurfacing																					
Date of Replacement if Necessary																					
General Site Conditions:																					

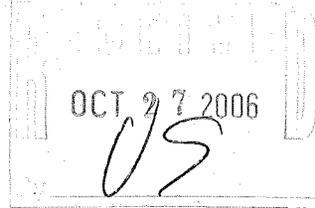


**Moraine Environmental, Inc.**  
Environmental Management Services



October 4, 2006

Ms. Victoria Stovall  
Wisconsin Department of Natural Resources  
Southeast Region Headquarters  
2300 N. Martin Luther King Jr. Dr.  
Milwaukee, WI 53212



**RE: Submittal of Soil GIS Registry Packet  
Bruce Miller Property  
W219 N11588 Appleton Avenue, Germantown, WI  
WDNR BRTS No.: 02-67-000560  
FID No.: 267088360**

Dear Ms. Stovall:

On behalf of Mr. Bruce Miller, Moraine Environmental, Inc. (Moraine) is submitting this Geographic Information System registry packet for residual soil contamination at the above-referenced property. A check for \$200.00 for the registration fee is also enclosed.

Should you have any questions regarding this correspondence, please contact our office at (262) 377-9060.

Sincerely,

**MORAINE ENVIRONMENTAL, INC.**

Thomas C. Sweet  
President

cc: Mr. Bruce Miller

F:\WORD\Mswteh\24\2441 Submit Soil GIS to DNR

STATE BAR OF WISCONSIN FORM 5 - 1998  
PERSONAL REPRESENTATIVE'S  
DEED

Document Number

SANDRA H. FORGACH,

as Personal Representative of the estate of LEROY B. SCHMIDT,

("Decedent"), for a valuable consideration conveys, without warranty, to  
BRUCE J. MILLER,

Grantee, the following described real estate in WASHINGTON  
County, State of Wisconsin (hereinafter called the "Property");

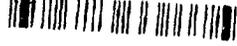
THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF  
SECTION 19, IN TOWNSHIP 9 NORTH, RANGE 20 EAST, LYING NORTH  
AND EAST OF THE CENTER OF THE FOND DU LAC ROAD (U.S.  
HIGHWAY NO. 41) EXCEPTING THEREFROM THAT PART DESCRIBED  
AS FOLLOWS:

COMMENCING AT THE CENTER OF THE SAID FOND DU LAC ROAD ON THE SOUTH LINE OF THE SAID  
NORTHWEST 1/4 OF THE SOUTHWEST 1/4, THENCE EAST TO THE LINE OF THE NORTHWEST 1/4 OF THE  
SOUTHWEST 1/4 27 RODS, THENCE NORTH ON THE SAID LINE 20 RODS, THENCE WEST 37 RODS TO THE  
MIDDLE OF THE FOND DU LAC ROAD, THENCE SOUTHEASTERLY ALONG THE CENTER LINE OF SAID  
ROAD TO THE PLACE OF BEGINNING, BEING LOCATED IN THE VILLAGE OF GERMANTOWN, WASHINGTON  
COUNTY, WISCONSIN. FURTHER EXCEPTING THAT PART CONVEYED IN WARRANTY DEED RECORDED  
ON JANUARY 24, 1966, IN VOLUME 413, ON PAGE 347, AS DOCUMENT NO. 284461.

TAX KEY NO: GTNV 193.975

W 219 N11588 APPLETON AVENUE

DOC#: 875939



Recorded  
FEB. 09, 2001 AT 09:08AM

DOROTHY C. GONNETING  
REGISTER OF DEEDS  
WASHINGTON COUNTY, WI  
Fee Amount: \$10.00  
Transfer fee: \$78.00

10-1

Recording Area

Name and Return Address  
Mr. Thomas E. Dolan  
Attorney At Law  
4141 West Bradley Road  
Milwaukee, WI 53209

GTNV 193.975

Parcel Identification Number (PIN)

\$ 75.00 TRANSFER  
FEE

Personal Representative by this deed does convey to Grantee all of the estate and interest in the Property which the  
Decedent had immediately prior to Decedent's death, and all of the estate and interest in the Property which the Personal  
Representative has since acquired.

Dated this 1st day of Dec., 2000

*Sandra H. Forgach*

• SANDRA H. FORGACH  
Personal Representative

Personal Representative

AUTHENTICATION

Signature(s) of SANDRA H. FORGACH

authenticated this 1st day of December, 2000

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

ACKNOWLEDGMENT

STATE OF WISCONSIN )

) ss.  
County )

Personally came before me this \_\_\_\_\_ day of \_\_\_\_\_  
the above named

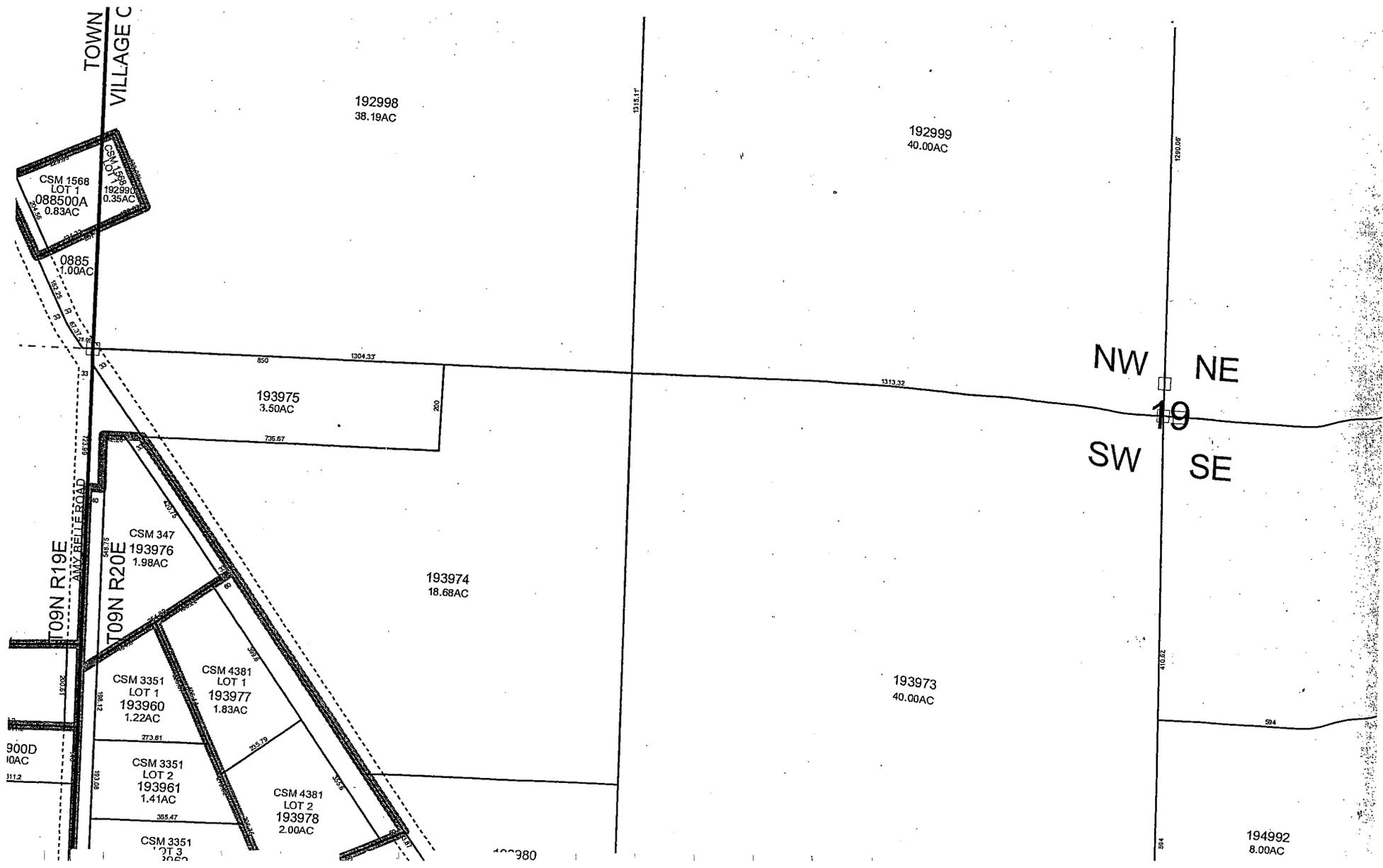
to me known to be the person(s) who executed the foregoing  
instrument and acknowledge the same.

THIS INSTRUMENT WAS DRAFTED BY  
THOMAS E. DOLAN, ATTORNEY AT LAW  
4141 West Bradley Road, Milwaukee, WI 53209

Notary Public, State of Wisconsin  
My Commission is permanent. (If not, state expiration date: \_\_\_\_\_)

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

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



TOWN  
VILLAGE C

CSM 1568  
LOT 1  
088500A  
0.83AC

192990  
0.35AC

192998  
38.19AC

192999  
40.00AC

0885  
1.00AC

193975  
3.50AC

NW NE  
19  
SW SE

193974  
18.68AC

CSM 347  
193976  
1.98AC

193973  
40.00AC

CSM 3351  
LOT 1  
193960  
1.22AC

CSM 4381  
LOT 1  
193977  
1.83AC

900D  
10AC

CSM 3351  
LOT 2  
193961  
1.41AC

CSM 4381  
LOT 2  
193978  
2.00AC

CSM 3351  
LOT 3  
193962  
1.22AC

194992  
8.00AC

TOWN R19E

TOWN R20E

AND BELLE ROAD

GTNV 193-975

V. Gith  
NW-SW 19-9-20

# JAMES R. ELDER

PROFESSIONAL ENGINEER - REGISTERED LAND SURVEYOR

3782 OVERLOOK DRIVE WEST HUBERTUS, WI 53033

PHONE (414) 628-1409 FAX (414) 628-1855

## PLAT OF SURVEY

### LEGAL DESCRIPTION:

PART OF THE NW FRACTIONAL 1/4 OF THE SW FRACTIONAL 1/4 OF SEC. 19, T9N, R20E, VILLAGE OF GERMANTOWN, WASHINGTON COUNTY, WI. DESCRIBED AS FOLLOWS:

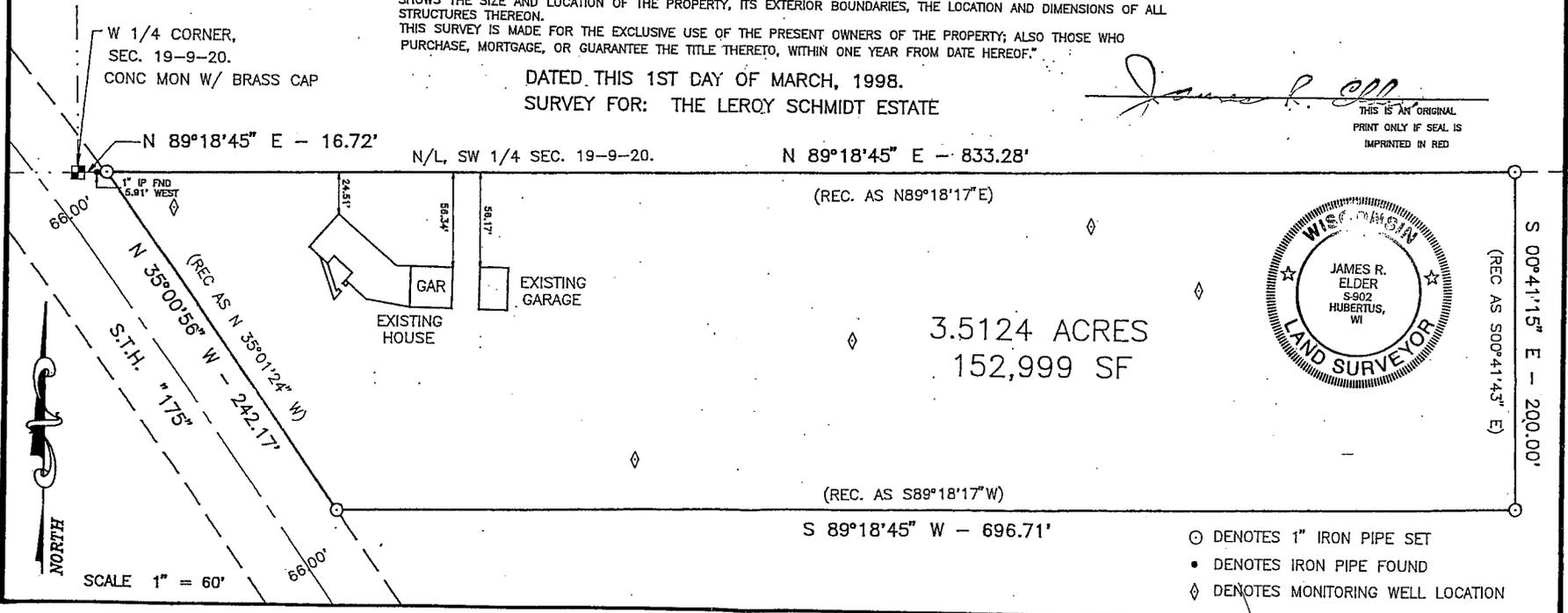
COMMENCING AT THE W 1/4 CORNER OF SAID SECTION 19; THENCE N89°18'45"E ALONG THE NORTH LINE OF THE SW 1/4 OF SAID SECTION 19, 16.72 FEET TO THE POINT OF BEGINNING; THENCE CONTINUING N89°18'45"W, ALONG SAID NORTH LINE OF THE SW 1/4 OF SECTION 19, 833.28 FEET; THENCE S00°41'15"E, 200.00 FEET; THENCE S89°18'45"W, 696.71 FEET; THENCE N35°00'56"W, ALONG THE EASTERLY RIGHT OF WAY OF S.T.H. "175", 242.17 FEET TO THE POINT OF BEGINNING. SAID PARCEL CONTAINS 3.5124 ACRES

"I HAVE SURVEYED THE ABOVE DESCRIBED PROPERTY, AND THE ABOVE MAP IS A TRUE REPRESENTATION THEREOF AND SHOWS THE SIZE AND LOCATION OF THE PROPERTY, ITS EXTERIOR BOUNDARIES, THE LOCATION AND DIMENSIONS OF ALL STRUCTURES THEREON. THIS SURVEY IS MADE FOR THE EXCLUSIVE USE OF THE PRESENT OWNERS OF THE PROPERTY; ALSO THOSE WHO PURCHASE, MORTGAGE, OR GUARANTEE THE TITLE THERETO, WITHIN ONE YEAR FROM DATE HEREOF."

DATED THIS 1ST DAY OF MARCH, 1998.

SURVEY FOR: THE LEROY SCHMIDT ESTATE

*James R. Elder*  
THIS IS AN ORIGINAL  
PRINT ONLY IF SEAL IS  
IMPRINTED IN RED



W 1/4 CORNER,  
SEC. 19-9-20.  
CONC MON W/ BRASS CAP

N 89°18'45" E - 16.72'

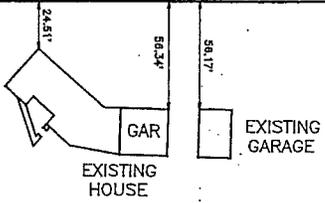
N/L, SW 1/4 SEC. 19-9-20.

N 89°18'45" E - 833.28'

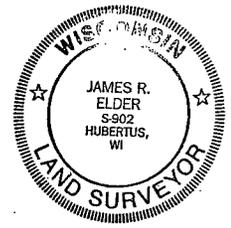
(REC. AS N89°18'17"E)

1" IP FND  
5.81' WEST

N 35°00'56" W - 242.17'  
(REC AS N 35°01'24" W)  
S.T.H. "175"



3.5124 ACRES  
152,999 SF



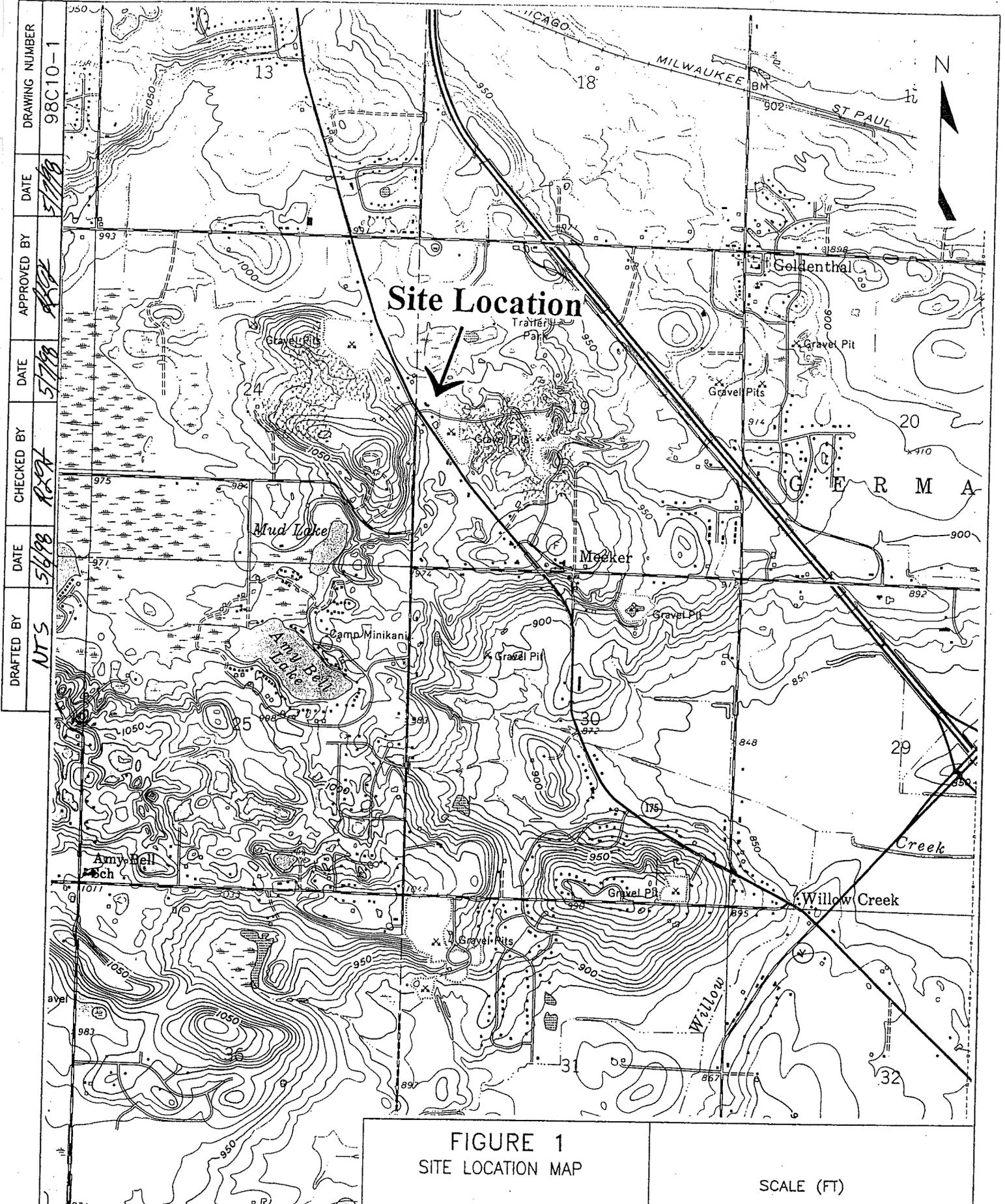
S 00°41'15" E - 200.00'  
(REC AS S00°41'43" E)

(REC. AS S89°18'17"W)

S 89°18'45" W - 696.71'

- DENOTES 1" IRON PIPE SET
- DENOTES IRON PIPE FOUND
- ◇ DENOTES MONITORING WELL LOCATION

SCALE 1" = 60'



DRAWING NUMBER	98C10-1
DATE	5/1/98
APPROVED BY	[Signature]
DATE	5/1/98
CHECKED BY	[Signature]
DATE	5/1/98
DRAFTED BY	NTS

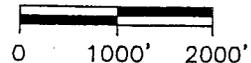
**Site Location**



**FIGURE 1**  
SITE LOCATION MAP

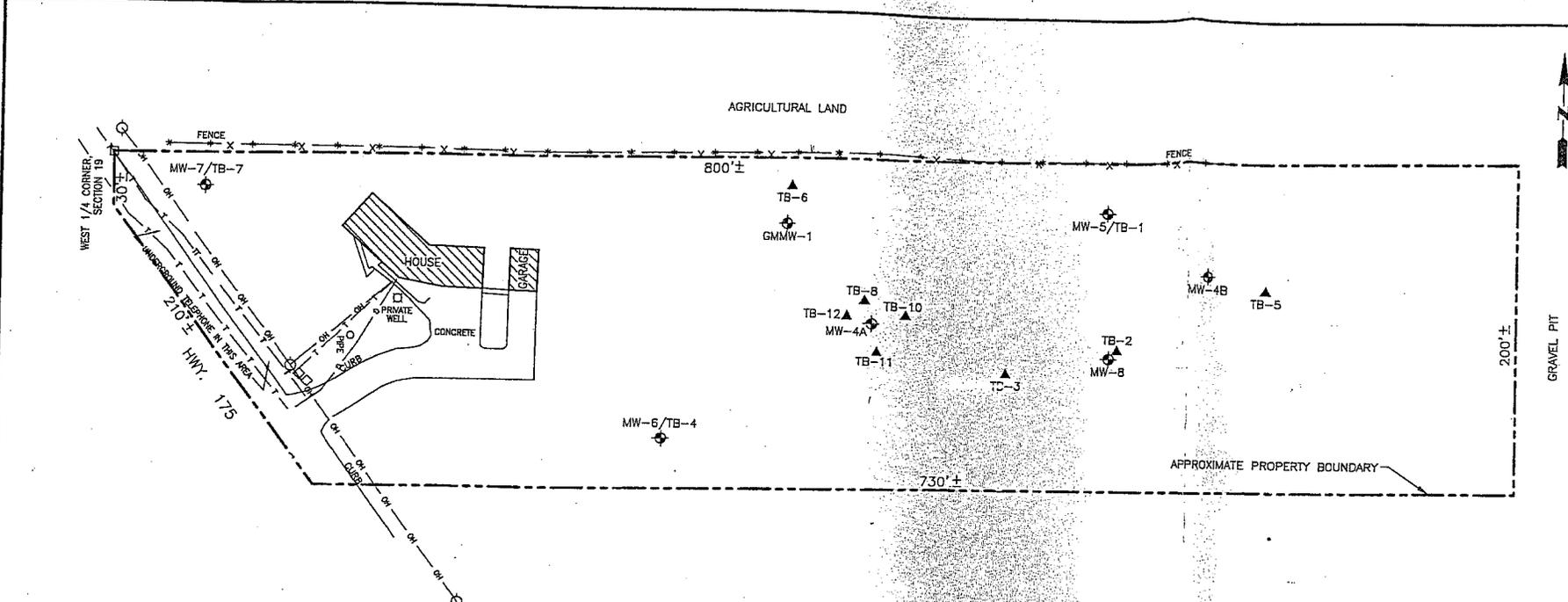
SCHMIDT HOLE #2  
W219 N11588 APPLETON AVE.  
GERMANTOWN, WISCONSIN

SCALE (FT)



SOURCE: U.S.G.S. SUSSEX QUADRANGLE

**GES**  
GEO MANAGEMENT  
CONSULTANTS INCORPORATED  
Representing clients with environmental concerns.



**LEGEND**

- ◆ MONITORING WELL
- ▲ SOIL BORING
- UTILITY POLE
- ▣ CONCRETE MONUMENT WITH BRASS CAP
- TELEPHONE PEDESTAL
- GAS LINE
- T—T—T— UNDERGROUND TELEPHONE
- OH—OH— OVERHEAD ELECTRIC

SOURCE:  
Keith Notbohm Surveying, INC.



DATE	REVISED
5/98	ADDED TB10-12, MW-8
9/98	ADDED GMMW-1

Prepared By  
**LEGGETTE, BRASHEARS & GRAHAM, INC.**  
Professional Ground-Water and Environmental Services  
Northpark Corporate Center  
1210 W. County Road E, Suite 700  
St. Paul, MN 55112  
(651) 480-1405

**SCHMIDT HOLE #2**  
GERMANTOWN, WISCONSIN

**SURVEYED SITE MAP**  
FILE: 3CHSC01S.DWG DATE: SEPTEMBER 1998 FIGURE: 2

**Table 2. Summary of Soil Sample Volatile Organic Compound Analytical Results<sup>(1)</sup>,  
Schmidt Hole #2, W219 N11588 Appleton Avenue, Germantown, Wisconsin.**

p. 1 of 3

Sample Number	B-1/0-2'	B-1/16-18'	B-2/0-2'	B-2/18-20'	B-3/0-2'	B-3/10-12'
Depth Interval (feet)	0-2	16-18	0-2	18-20	0-2	10-12
PID Screening (iu) <sup>(2)</sup>	Bkgd <sup>(3)</sup>	Bkgd	Bkgd	Bkgd	Bkgd	1.5
Moisture content (%)	15	20	21	7	7.9	20
Soil pH'	7.68	8.09	7.47	8.57	8.03	7.94
<b>Compound</b>						
Trichlorofluoromethane	ND	ND	ND	0.49	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	0.17
Bromoform	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	0.24	ND	ND	0.051
Ethylbenzene	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND
Xylenes (total)	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND
n-Propylbenzene	ND	ND	ND	ND	ND	ND
Bromobenzene	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	ND	ND	ND	ND	ND	ND
p-Isopropyl toluene	ND	ND	ND	ND	ND	ND
n-Butylbenzene	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	0.19	ND	ND	ND
Hexachlorobutadiene	ND	ND	0.29	ND	ND	ND
Naphthalene	0.26 B	ND	0.91 B	ND	ND	ND
1,2,3-Trichlorobenzene	ND	ND	0.37	ND	ND	ND

<sup>(1)</sup> - Volatile Organic Compounds Method SW8260 reported in milligrams per kilogram on a dry weight basis.

<sup>(2)</sup> - Field screening with photoionization detector equipped with an 11.7 eV lamp.

<sup>(3)</sup> - Background concentration.

ND - Compound not detected.

B - Analyte detected in associated method blank.

M - Matrix spike and/or matrix spike duplicate outside acceptance limits.

**Table 2 (cont.). Summary of Soil Sample Volatile Organic Compound Analytical Results<sup>(1)</sup>,  
Schmidt Hole #2, W219 N11588 Appleton Avenue, Germantown, Wisconsin.**

p. 2 of 3

Sample Number	B-4/0-2'	B-4/12-14'	B-5/0-2'	B-5/16-18'	B-6/0-2'	B-6/14-16'
Depth Interval (feet)	0-2	12-14	0-2	16-18	0-2	14-16
PID Screening (iu) <sup>(2)</sup>	Bkgd	96.4	Bkgd	Bkgd	Bkgd	Bkgd
Moisture content (%)	14	12	9.8	18	7.4	21
Soil pH	7.93	7.53	7.55	8.34	7.77	7.59
<b>Compound</b>						
Trichlorofluoromethane	ND	ND	ND	ND	ND	0.27
Trichloroethene	0.8	ND	ND	ND	ND	ND
Bromoform	ND	0.16	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	0.16	ND	ND	ND	ND
Chlorobenzene	ND	0.14	ND	ND	ND	ND
Benzene	ND	0.037	ND	ND	ND	ND
Ethylbenzene	ND	6.8	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	0.17	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	0.19	ND	ND	ND	ND
Xylenes (total)	ND	56.4	ND	ND	ND	ND
Isopropylbenzene	ND	3.7 M	ND	ND	ND	ND
Styrene	ND	0.15	ND	ND	ND	ND
n-Propylbenzene	ND	10	ND	ND	ND	ND
Bromobenzene	ND	0.16	ND	ND	ND	ND
1,3,5-Trimethylbenzene	ND	21	ND	ND	ND	ND
1,2,4-Trimethylbenzene	ND	59	0.091	ND	ND	ND
sec-Butylbenzene	ND	0.71	ND	ND	ND	ND
p-Isopropyl toluene	ND	1.1	ND	ND	ND	ND
n-Butylbenzene	ND	0.92	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	0.082	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
Naphthalene	ND	0.5 B	ND	0.27 B	ND	ND
1,2,3-Trichlorobenzene	ND	0.24 B	ND	0.12 B	ND	ND

<sup>(1)</sup> - Volatile Organic Compounds Method SW8260 reported in milligrams per kilogram on a dry weight basis.

<sup>(2)</sup> - Field screening with photoionization detector equipped with an 11.7 eV lamp.

<sup>(3)</sup> - Background concentration.

ND - Compound not detected.

B- Analyte detected in associated method blank.

M - Matrix spike and/or matrix spike duplicate outside acceptance limits.

**Table 2 (cont.). Summary of Soil Sample Volatile Organic Compound Analytical Results<sup>(1)</sup>,  
Schmidt Hole #2, W219 N11588 Appleton Avenue, Germantown, Wisconsin.**

Sample Number	B-7/2-4'	B-7/18-20'	B-8/12-14'	B-8/20-22'	B-9/2-4'	B-9/14-16'
Depth Interval (feet)	2-4	18-20	12-14	20-22	2-4	14-16
PID Screening (iu) <sup>(2)</sup>	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
Moisture content (%)	49	53	48	8.4	13	18
Soil pH	7.36	11.00	10.26	8.30	8.06	7.98
<b>Compound</b>						
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND
Xylenes (total)	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND
n-Propylbenzene	ND	ND	ND	ND	ND	ND
Bromobenzene	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.23
sec-Butylbenzene	ND	ND	ND	ND	ND	ND
p-Isopropyl toluene	ND	ND	ND	ND	ND	ND
n-Butylbenzene	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND

<sup>(1)</sup> - Volatile Organic Compounds Method SW8260 reported in milligrams per kilogram on a dry weight basis.

<sup>(2)</sup> - Field screening with photoionization detector equipped with an 11.7 eV lamp.

<sup>(3)</sup> - Background concentration.

ND - Compound not detected.

B- Analyte detected in associated method blank.

M - Matrix spike and/or matrix spike duplicate outside acceptance limits.

**Table 3. Soil Sample Total Metals Analytical Results<sup>(1)</sup>, Schmidt Hole #2, W219 N11588 Appleton Avenue, Germantown, Wisconsin.**

Sample Number	B-3/0-2'	B-3/10-12'	B-4/0-2'	B-4/12-14'	B-5/0-2'	B-5/16-18'	B-6/0-2'	B-6/14-16'
Depth Interval (feet)	0-2	10-12	0-2	12-14	0-2	16-18	0-2	14-16
Moisture content (%)	7.9	20	14	12	9.8	18	7.4	21
Soil pH	8.03	7.94	7.93	7.53	7.55	8.34	7.77	7.59
<b>Metals</b>								
Barium	69	54	71	21	11	6.3	73	60
Cadmium	ND	ND	0.96	ND	ND	ND	0.2	0.054 J
Chromium	18	14	18	6.2	5.3	4.9	12	15
Copper	NS	NS	13	NS	NS	NS	NS	NS
Lead	8.7	7.3	19	5.9	2.4 B	2.8 B	77	9.2
Mercury	0.021 J	0.036 J	0.047 J	0.033 J	0.028 J	0.022 J	0.043 J	0.067 J
Silver	0.28 J	1.0	0.48	1.8	1.7	1.8	1.7	0.69
Arsenic	6.3	4.1	5.0	4.1	1.3 J	1.1 J	2.4	4.5
Selenium	ND	ND	ND	ND	ND	ND	ND	ND

(1) - Resource Conservation and Recovery Act (RCRA) Metals list and copper reported in milligrams per kilogram on a dry weight basis.  
 (2) - Field screening with photoionization detector equipped with an 11.7 eV lamp.  
 (3) - Residual contaminant levels promulgated in NR720.11 Wisconsin Administrative Code.  
 (4) - Chromium RCLs are for hexavalent/trivalent chromium, respectively.  
 ND - Metal not detected.  
 NS - Copper not sampled.  
 NA - Not applicable.  
 B- Analyte detected in associated method blank.  
 J - Concentration estimated by laboratory below the limit of quantitation.

**Table 3 (cont.). Soil Sample Total Metals Analytical Results<sup>(1)</sup>, Schmidt Hole #2, W219 N11588 Appleton Avenue, Germantown, Wisconsin.**

Sample Number	B-7/2-4'	B-7/18-20'	B-8/12-14'	B-8/20-22'	B-9/2-4'	B-9/14-16'	NR720.11 Table 2 RCLs <sup>(3)</sup>	
Depth Interval (feet)	2-4	18-20	12-14	20-22	2-4	14-16	Non-Industrial	Industrial
Moisture content (%)	49	53	48	8.4	13	18		
Soil pH	7.36	11.00	10.26	8.30	8.06	7.98		
<b>Metals</b>								
Barium	14	10	18	9.9	35	17		
Cadmium	2.1	2.3	2.0	ND	0.041 J	ND	8	510
Chromium	66	61	59	5.3	13	6.9	14/16,000 <sup>(4)</sup>	200/NA
Copper	23	NS	NS	NS	11	NS		
Lead	7.8 B	4.6 B	4.0 B	4.6	12	3.2	50	500
Mercury	0.048 J	0.056 J	0.065 J	0.029 J	0.046 J	0.026 J		
Silver	3.1	3.0	2.8	1.9	1.1	1.9		
Arsenic	5.4	ND	1.7 J	2.4	3.7	4.5	0.039	1.6
Selenium	ND	ND	ND	ND	ND	ND		

<sup>(1)</sup> - Resource Conservation and Recovery Act (RCRA) Metals list and copper reported in milligrams per kilogram on a dry weight basis.

<sup>(2)</sup> - Field screening with photoionization detector equipped with an 11.7 eV lamp.

<sup>(3)</sup> - Residual contaminant levels promulgated in NR720.11 Wisconsin Administrative Code.

<sup>(4)</sup> - Chromium RCLs are for hexavalent/trivalent chromium, respectively.

ND - Metal not detected.

NS - Copper not sampled.

NA - Not applicable.

B- Analyte detected in associated method blank.

J - Concentration estimated by laboratory below the limit of quantitation.

**Table 4. Summary of Soil Sample Polynuclear Aromatic Hydrocarbon Compound Analytical Results<sup>(1)</sup>, Schmidt Hole #2, W219 N11588 Appleton Avenue, Germantown, Wisconsin.**

Sample Number	B-1/0-2'	B-2/0-2'	B-3/0-2'	B-4/0-2'	B-5/0-2'	RCLs <sup>(4)</sup> Groundwater Pathway	RCLs <sup>(4)</sup> Direct Contact Pathway
Depth Interval (feet)	0-2	0-2	0-2	0-2	0-2		
PID Screening (iu) <sup>(2)</sup>	Bkgd <sup>(3)</sup>	Bkgd	Bkgd	Bkgd	Bkgd		
<b>Compound</b>							
Phenanthrene	ND	0.0073	ND	0.41	ND	3.3	18
Anthracene	ND	ND	ND	0.082	ND	6,000	5,000
Fluoranthene	0.022 J	0.016 J	ND	0.62	ND	1,000	600
Pyrene	0.016	0.0089	ND	0.52	ND	16,000	500
Benzo(a)anthracene	0.0073 J	ND	ND	0.27	ND	30	0.088
Chrysene	0.012	ND	ND	0.25	ND	66	8.8
Benzo(a)pyrene	0.011	0.0072	ND	0.25	ND	90	0.0088
Benzo(g,h,i)perylene	0.011	0.012	ND	0.20	ND	12,000	1.8

<sup>(1)</sup> - Polynuclear Aromatic Hydrocarbon Compounds Method SW8310 reported in milligrams per kilogram on a dry weight basis.

<sup>(2)</sup> - Field screening with photoionization detector equipped with an 11.7 eV lamp.

<sup>(3)</sup> - Background concentration.

<sup>(4)</sup> - Suggested residual contaminant levels for polynuclear aromatic hydrocarbons compounds (WDNR Publ. RR-519-97).

ND - Compound not detected.

J - Concentration estimated by laboratory below the limit of quantitation.

☐ - Concentration exceeds the suggested generic RCL for the non-industrial direct contact pathway.

**Table 5. Soil Sample Polychlorinated Biphenyl Analytical Results<sup>(1)</sup>, Schmidt Hole #2, W219 N11588 Appleton Avenue, Germantown, Wisconsin.**

Sample Number	B-3/0-2'	B-4/0-2'	B-5/0-2'	B-6/0-2'	B-6/14-16'	B-7/2-4'	B-7/18-20'	B-8/12-14'	B-8/20-22'
Depth Interval (feet)	0-2	0-2	0-2	0-2	14-16	2-4	18-20	12-14	20-22
PID Screening (iu) <sup>(2)</sup>	Bkgd <sup>(3)</sup>	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
Moisture content (%)	7.9	14	9.8	7.4	21	49	53	48	8.4
Soil pH	8.03	7.93	7.55	7.77	7.59	7.36	11.00	10.26	8.30
<b>Compound</b>									
Aroclor-1016	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1221	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1232	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1242	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1248	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1260	ND	0.029	ND	0.31	ND	ND	ND	ND	ND

<sup>(1)</sup> - Polychlorinated biphenyls Method SW8082 reported in milligrams per kilogram on a dry weight basis.

<sup>(2)</sup> - Field screening with photoionization detector equipped with an 11.7 eV lamp.

<sup>(3)</sup> - Background concentration.

ND - Compound not detected.

**EXHIBIT A****LEAD**

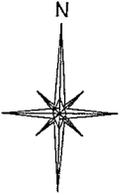
Soil Boring TB-1, 16-18 foot depth, March 1997, at 490 milligrams per kilogram (mg/kg);  
Soil Boring B-6, 0-2 foot depth, July 1998, at 77 mg/kg;

**ARSENIC, July 1998**

Soil Boring B-3, 0-2 foot depth, 6.3 mg/kg;  
Soil Boring B-3, 10-12 foot depth, 4.1 mg/kg;  
Soil Boring B-4, 0-2 foot depth, 5.0 mg/kg;  
Soil Boring B-4, 12-14 foot depth, 4.1 mg/kg;  
Soil Boring B-5, 0-2 foot depth, 1.3 mg/kg;  
Soil Boring B-5, 16-18 foot depth, 1.1 mg/kg;  
Soil Boring B-6, 0-2 foot depth, 2.4 mg/kg;  
Soil Boring B-6, 14-16 foot depth, 4.5 mg/kg;  
Soil Boring B-7, 2-4 foot depth, 5.4 mg/kg;  
Soil Boring B-8, 12-14 foot depth, 1.7 mg/kg;  
Soil Boring B-8, 20-22 foot depth, 2.4 mg/kg;  
Soil Boring B-9, 2-4 foot depth, 3.7 mg/kg;  
Soil Boring B-9, 14-16 foot depth, 4.5 mg/kg;

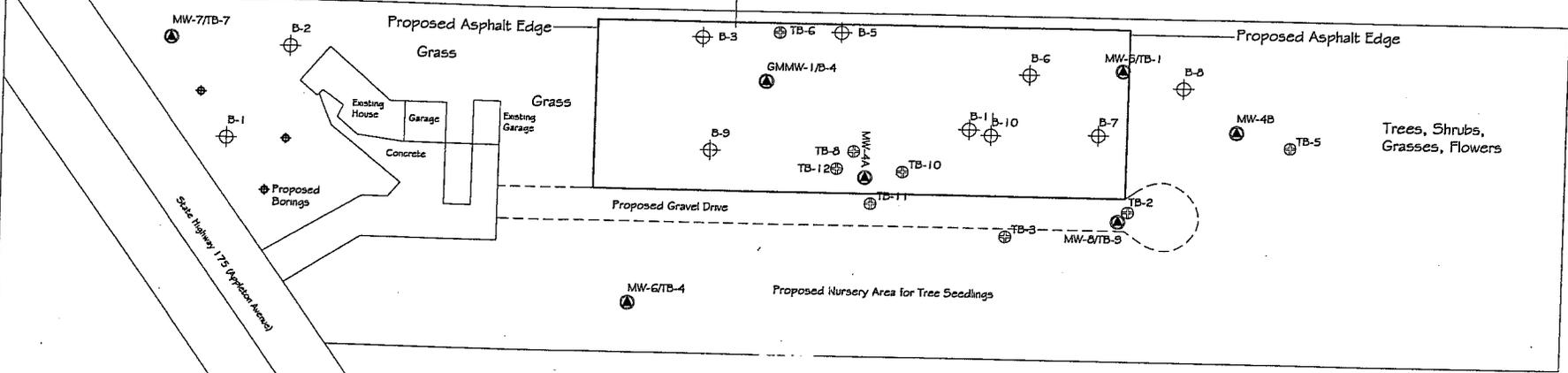
**PAHs, July 1998**

Soil Boring B-1, 0-2 foot depth, benzo(a)pyrene at 0.011 mg/kg;  
Soil Boring B-4, 0-2 foot depth, benzo(a)pyrene at 0.25 mg/kg and benzo(a)anthracene at 0.27 mg/kg.



Agricultural Land

Proposed Soil / Asphalt Cap Area



Trees, Shrubs,  
Grasses, Flowers

Merget Sand and Gravel Pit

Graphic Scale  
60'

Drawn By AMM

Date: 9/12/03

Project No: 2441

\*Note: Not a legal survey,  
adapted from field notes

Site Plan and Proposed Soil / Asphalt Cap Area

Bruce Miller Property (Former Schmidt Hole #2)  
W219 N11585 Appleton Ave. Germantown, WI

Moraine Environmental, Inc.  
Environmental Management Services



1234 12th Avenue Grafton, WI 53024-1324  
262-377-9060 / Fax 262-377-9770

July 12, 2006

Project Reference No. 2441

Ms. Victoria Stovall, Program Assistant  
Wisconsin Department of Natural Resources  
Southeast Region Headquarters  
2300 N. Martin Luther King Drive  
Milwaukee, Wisconsin 53212

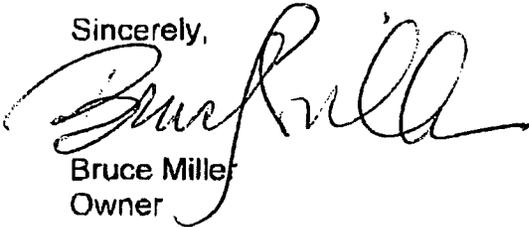
Dear Ms. Stovall:

**RE: Construction of Engineered Barrier  
Bruce Miller Property  
W219 N11588 Appleton Avenue  
Germantown, Wisconsin  
WDNR FID No. 267088360  
BRRTS No. 0267000560**

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, Inc. at (262) 377-9060.

Sincerely,



Bruce Miller  
Owner