

## **GIS Registry Disclaimer**

This case was closed by the DNR prior to August 1, 2002, when DNR began adding approved cleanups with residual soil contamination into the GIS Registry. Certain documents that are currently required by ch. NR 726, Wis. Adm. Code may therefore not be included in this packet as they were unavailable at the time the original case was closed.

The information contained in this document was assembled by DNR from a previously closed case file, and added to the GIS Registry to provide the public with information on closed sites with residual soil and/or groundwater contamination remaining above applicable state standards.

# GIS REGISTRY

## Cover Sheet

July, 2008  
(RR 5367)

### Source Property Information

BRRTS #:

ACTIVITY NAME:

PROPERTY ADDRESS:

MUNICIPALITY:

PARCEL ID #:

CLOSURE DATE:

FID #:

DATCP #:

COMM #:

#### \*WTM COORDINATES:

X:  Y:

*\* Coordinates are in  
WTM83, NAD83 (1991)*

#### WTM COORDINATES REPRESENT:

Approximate Center Of Contaminant Source

Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

#### Contaminated Media:

Groundwater Contamination > ES (236)

Contamination in ROW

Off-Source Contamination

*(note: for list of off-source properties  
see "Impacted Off-Source Property")*

Soil Contamination > \*RCL or \*\*SSRCL (232)

Contamination in ROW

Off-Source Contamination

*(note: for list of off-source properties  
see "Impacted Off-Source Property")*

#### Land Use Controls:

Soil: maintain industrial zoning (220)

*(note: soil contamination concentrations  
between residential and industrial levels)*

Structural Impediment (224)

Site Specific Condition (228)

Cover or Barrier (222)

*(note: maintenance plan for  
groundwater or direct contact)*

Vapor Mitigation (226)

Maintain Liability Exemption (230)

*(note: local government or economic  
development corporation)*

Monitoring wells properly abandoned? (234)

Yes  No  N/A

*\* Residual Contaminant Level*

*\*\*Site Specific Residual Contaminant Level*

This Adobe Fillable form is intended to provide a list of information that is required for evaluation for case closure. It is to be used in conjunction with Form 4400-202, Case Closure Request. The closure of a case means that the Department has determined that no further response is required at that time based on the information that has been submitted to the Department.

**NOTICE: Completion of this form is mandatory** for applications for case closure pursuant to ch. 292, Wis. Stats. and ch. NR 726, Wis. Adm. Code, including cases closed under ch. NR 746 and ch. NR 726. The Department will not consider, or act upon your application, unless all applicable sections are completed on this form and the closure fee and any other applicable fees, required under ch. NR 749, Wis. Adm. Code, Table 1 are included. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than reviewing closure requests and determining the need for additional response action. The Department may provide this information to requesters as required by Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.].

BRRTS #:  PARCEL ID #:

ACTIVITY NAME:  WTM COORDINATES: X:  Y:

**CLOSURE DOCUMENTS** (the Department adds these items to the final GIS packet for posting on the Registry)

- Closure Letter**
- Maintenance Plan** (if activity is closed with a land use limitation or condition (land use control) under s. 292.12, Wis. Stats.)
- Conditional Closure Letter**
- Certificate of Completion (COC)** for VPLE sites

**SOURCE LEGAL DOCUMENTS**

- Deed:** The most recent deed as well as legal descriptions, for the **Source Property** (where the contamination originated). Deeds for other, off-source (off-site) properties are located in the **Notification** section.  
*Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.*
- Certified Survey Map:** A copy of the certified survey 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. (lots on subdivided or platted property (e.g. lot 2 of xyz subdivision)).  
**Figure #:**                      **Title: Wood County Certified Survey Map No. 7036**
- Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description accurately describes the correct contaminated property.

**MAPS** (meeting the visual aid requirements of s. NR 716.15(2)(h))

- Maps must be no larger than 8.5 x 14 inches unless the map is submitted electronically.
- Location Map:** A map outlining all properties within the contaminated site boundaries on a U.S.G.S. topographic map or plat map in sufficient detail to permit easy location of all parcels. If groundwater standards are exceeded, include the location of all potable wells within 1200 feet of the site.  
*Note: Due to security reasons municipal wells are not identified on GIS Packet maps. However, the locations of these municipal wells must be identified on Case Closure Request maps.*  
**Figure #: 1**                      **Title: Site Location Map**
  - Detailed Site Map:** A map that shows all relevant features (buildings, roads, individual property boundaries, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding a ch. NR 140 Enforcement Standard (ES), and/or in relation to the boundaries of soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Levels (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.  
**Figure #: 2**                      **Title: Site Plan and Geologic Cross Section Locator**
  - Soil Contamination Contour Map:** For sites closing with residual soil contamination, this map is to show the location of all contaminated soil and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.  
**Figure #:**                      **Title:**

BRRTS #: 03-72-000770

ACTIVITY NAME: UW Marshfield Ag Research Station - Gas

**MAPS (continued)**

- Geologic Cross-Section Map:** A map showing the source location and vertical extent of residual soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL). If groundwater contamination exceeds a ch. NR 140 Enforcement Standard (ES) when closure is requested, show the source location and vertical extent, water table and piezometric elevations, and locations and elevations of geologic units, bedrock and confining units, if any.

**Figure #: 5**                      **Title: Equipotential Cross Section A-A'**

**Figure #:**                      **Title:**

- Groundwater Isoconcentration Map:** For sites closing with residual groundwater contamination, this map shows the horizontal extent of all groundwater contamination exceeding a ch. NR140 Preventive Action Limit (PAL) and an Enforcement Standard (ES). Indicate the direction and date of groundwater flow, based on the most recent sampling data.

**Note:** This is intended to show the total area of contaminated groundwater.

**Figure #:**                      **Title:**

- Groundwater Flow Direction Map:** A map that represents groundwater movement at the site. If the flow direction varies by more than 20° over the history of the site, submit 2 groundwater flow maps showing the maximum variation in flow direction.

**Figure #: 1**                      **Title: Water Table Contour Map September 1996**

**Figure #:**                      **Title:**

**TABLES (meeting the requirements of s. NR 716.15(2)(h)(3))**

Tables must be no larger than 8.5 x 14 inches unless the table is submitted electronically. Tables must not contain shading and/or cross-hatching. The use of **BOLD** or *ITALICS* is acceptable.

- Soil Analytical Table:** A table showing remaining soil contamination with analytical results and collection dates.  
**Note:** This is one table of results for the contaminants of concern. Contaminants of concern are those that were found during the site investigation, that remain after remediation. It may be necessary to create a new table to meet this requirement.

**Table #: 1, 2**                      **Title: Field-Screening and Laboratory Analysis Results of Soil Samples - Fuel Oil and Gas Tanks**

- Groundwater Analytical Table:** Table(s) that show the most recent analytical results and collection dates, for all monitoring wells and any potable wells for which samples have been collected.

**Table #: 2, 6**                      **Title: Summary of VOC Detections, Summary of Chemical Analyses of Groundwater Samples**

- Water Level Elevations:** Table(s) that show the previous four (at minimum) water level elevation measurements/dates from all monitoring wells. If present, free product is to be noted on the table.

**Table #:**                      **Title:**

**IMPROPERLY ABANDONED MONITORING WELLS**

For each monitoring well not properly abandoned according to requirements of s. NR 141.25 include the following documents.

**Note:** If the site is being listed on the GIS Registry for only an improperly abandoned monitoring well you will only need to submit the documents in this section for the GIS Registry Packet.

- Not Applicable**

- Site Location Map:** A map showing all surveyed monitoring wells with specific identification of the monitoring wells which have not been properly abandoned.

**Note:** If the applicable monitoring wells are distinctly identified on the Detailed Site Map this Site Location Map is not needed.

**Figure #:**                      **Title:**

- Well Construction Report:** Form 4440-113A for the applicable monitoring wells.

- Deed:** The most recent deed as well as legal descriptions for each property where a monitoring well was not properly abandoned.

- Notification Letter:** Copy of the notification letter to the affected property owner(s).

BRRTS #: 03-72-000770

ACTIVITY NAME: UW Marshfield Ag Research Station - Gas

## NOTIFICATIONS

### Source Property

- Letter To Current Source Property Owner:** If the source property is owned by someone other than the person who is applying for case closure, include a copy of the letter notifying the current owner of the source property that case closure has been requested.
- Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying current source property owner.

### Off-Source Property

Group the following information per individual property and label each group according to alphabetic listing on the "Impacted Off-Source Property" attachment.

- Letter To "Off-Source" Property Owners:** Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.

**Note:** Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.

#### Number of "Off-Source" Letters:

- Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying any off-source property owner.
- Deed of "Off-Source" Property:** The most recent deed(s) as well as legal descriptions, for all affected deeded **off-source property(ies)**. This does not apply to right-of-ways.  
**Note:** If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.

- Letter To "Governmental Unit/Right-Of-Way" Owners:** Copies of all letters sent by the Responsible Party (RP) to a city, village, municipality, state agency or any other entity responsible for maintenance of a public street, highway, or railroad right-of-way, within or partially within the contaminated area, for contamination exceeding a groundwater Enforcement Standard (ES) and/or soil exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).

#### Number of "Governmental Unit/Right-Of-Way Owner" Letters:

GRCRS Package Cover Sheet

Site Name UW Marshfield Ag Research Station - Gas UST

Site Address 8396 Yellowstone Dr., Marshfield, WI

BRRTS # 03-72-000770 Date of Closure Decision 12/11/97

Closure letter(s)

Groundwater Use Restriction/Warranty Deed

Yes/No  Off-site contamination present? (Include related documents)

Yes/No  Right-of-way contamination present? (Include related documents)

General location map

\_\_\_\_\_ GPS x-coordinate

\_\_\_\_\_ GPS y-coordinate

Detailed site map(s)

Groundwater flow map(s)

Latest map(s) showing extent or outline of plume

Latest table(s) of analytical results (soil results included only if soil deed restriction is incorporated into groundwater use restriction document)

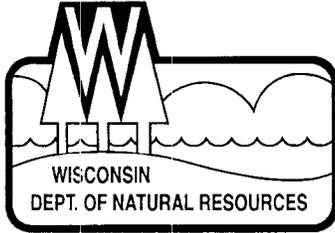
If available:

\_\_\_\_\_ Legal description

\_\_\_\_\_ County and Parcel I.D./Tax Parcel No.

Geologic cross sections

\_\_\_\_\_ Isoconcentrations map(s)



## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor  
Darrell Bazzell, Secretary  
Scott A. Humrickhouse, Regional Director

Wisconsin Rapids Service Center  
473 Griffith Avenue  
Wisconsin Rapids, Wisconsin 54494  
Telephone 715-421-7800  
FAX 715-421-7830

May 25, 2001

BRRTS #03-72-000316 & #03-72-000770

Ms. Judith Pemby  
Board of Regents of the University of Wisconsin System  
1860 Van Hise Hall  
1220 Lindon Drive  
Madison, WI 53706

SUBJECT: Case Closure with Deed Restriction and Groundwater Use Restriction,  
UW-Madison Marshfield Agricultural Research Station Former Diesel and  
Gasoline UST Sites, 8396 Yellowstone Dr., Marshfield

Dear Ms. Pemby:

The Wisconsin Department of Natural Resources (WDNR) west central region has received the monitoring well abandonment forms for the wells associated with the subsurface environmental assessment and cleanup conducted by your consultant for the above referenced site and a copy of the deed affidavits (deed restriction and groundwater use restriction with the recording information stamped on it) recorded with the Wood County Register of Deeds as required by WDNR west central closure committee as conditions for closure of this site. Based on all information contained in the site file and the information included in the well abandonment forms and deed restriction submitted by you, it is the decision of the DNR that, **no further investigatory or clean-up action is needed at the above referenced site and that this site is considered closed.**

You should note that this letter does not constitute Department "certification" under s. 292.15(2)(a)3, Stats., as created by 1993 Wisconsin Act 453 (May 12, 1994). Also, in 1997 Wisconsin Act 27, the legislature amended s. 292.15, Wis. Stats., creating the new "Voluntary Party Remediation and Exemption from Liability" statute. This statute provides liability protection for persons who did not intentionally or recklessly cause the release of a hazardous substance and who conducts an environmental investigation and cleans up property by restoring the environment to the extent practicable and in accordance with rules promulgated by the Department. Upon completion of the cleanup, the person receives a "certificate of completion" that provides an exemption from the "Hazardous Substance Spills" statute and protection from future liability for the past releases. You must apply for the program by filling out an application form and fees are charged to cover administrative costs associated with the program. If you are interested in more information about the program or would like an application package, please call Loren Brumberg at the West Central Region Office in Eau Claire at 715-839-3770.

December 27, 2000

BRRTS #03-72-000316 & #03-72-000770

Ms. Judith Pemby - Board of Regents of the UW System

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Thank you for your efforts to cleanup Wisconsin's environment. If you should have any questions regarding this letter please contact me at (715) 421-7850.

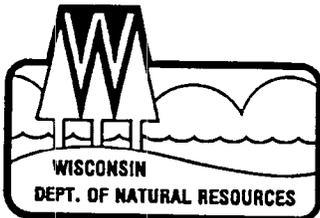
Sincerely,



Tom Hvizdak  
Hydrogeologist

c: Edward Alschuler, UW System, Office of General Council,  
1738 Van Hise Hall, 1220 Lindon Dr., Madison, WI 53706

Pete Case, URS Corp., 5250 East Terrace Dr., Suite 1, Madison, WI 53718



**State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES**

Tommy G. Thompson, Governor  
George E. Meyer, Secretary  
Scott Humrickhouse, Regional Director

West Central Region Headquarters  
1300 W. Clairmont Avenue  
PO Box 4001  
Eau Claire, WI 54702-4001  
TELEPHONE 715-839-3700  
FAX 715-839-6076/1605  
TTY 715-839-2786

December 16, 1997

REF: 02-72-000316 & 03-72-000770

Ms. Sally Rowe  
Safety Department  
UW- Board of Regents  
1856 Van Hise Hall  
Madison, WI 53706

**FILE COPY**

**SUBJECT: Conditional Case Closure With Deed Affidavit, Groundwater Use Deed restriction, Former Water Supply Well Abandonment Documentation and Monitoring Well Abandonment for the UW-Madison Marshfield Agricultural Research Station Former Diesel and Gasoline UST Sites, 8396 Yellowstone Dr., Marshfield, Wisconsin.**

Dear Ms. Rowe:

On December 11, 1997, the above named sites were reviewed by the Wisconsin Department of Natural Resources West (DNR) Central Region closeout committee for a determination as to whether or not these cases qualified for close out under ch. NR 726, Wis. Adm. Code.

Based on the investigative documentation provided to the Department pertaining to the former diesel UST site (BRRTS #03-72-000316), it appears that the extent of the petroleum contamination related to the former diesel UST has been investigated and remediated to the extent practicable and no further work or restrictions are required pertaining to the former diesel UST. Therefore, the Department considers this case "closed," having determined pursuant to ch. NR 726, Wis. Adm. Code, that no further action is necessary on the former diesel UST site.

Based on the investigative documentation provided to the Department pertaining to the former gasoline UST site (BRRTS #03-72-000770), it appears that the extent of the petroleum contamination pertaining to the former gasoline UST has not been completely defined, however, it is the opinion of the Closeout Committee that the extent of the contamination has been investigated and remediated to the extent practicable and does not appear to pose a threat under current site conditions. Therefore, the Department considers this case "closed," having determined pursuant to ch. NR 726, Wis. Adm. Code, that no

December 16, 1997

REF: 02-72-000316 & 03-72-000770

Ms. Sally Rowe - Safety Department, UW- Board of Regents

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further action is necessary on the former gasoline UST site at this time. However, due to the presence of residual contaminated soil remaining under the existing machine shed adjacent to the former gasoline UST at the site further investigation and possible remediation of the residual contaminated soil will be required if and when this area becomes accessible. Therefore, as a condition of the closeout for this case the owner is required to sign and record a deed affidavit for the property describing the location (include a site map indicating the location) of the remaining contaminated soil and that further assessment and possible remediation of the contaminated soil will be required if and when the existing building is removed. Also, because groundwater contamination above Wis. Admin. Code NR 140 Enforcement Standards for benzene, total xylenes and 1,2 Dibromoethane remains at this site, a groundwater use restriction must be attached to the property deed. The deed affidavit and deed restriction documents must be submitted to the Department for approval within 30 days after receipt of this letter, and the documents must be registered with the County Register of Deeds fifteen days after receiving Department approval. To document that this condition has been complied with, the property owner must submit to the Department a copy of the recorded deed affidavit and deed restriction, with the recording information stamped on it, within 15 days after the County Register of Deeds returns the deed restriction to the property owner. The deed affidavit and deed restriction may be amended in the future with the approval of Department if conditions change at the site and residual contamination is completely assessed and remediated (if deemed necessary). I have attached a model deed affidavit for your use.

An additional condition of the closeout of this case is submittal of a copy of the abandonment form documenting the proper abandonment of the former water supply well located at the site and the proper abandonment of the monitoring wells (pursuant of WAC NR 141) currently at the site. Documents substantiating proper abandonment (Form 3300-5B) should be forwarded to me at the DNR west central office.

You should note that this letter does not constitute Department "certification" under s. 292.15(2)(a)3, Stats., as created by 1993 Wisconsin Act 453 (May 12, 1994). Persons who meet the definition of "purchaser" in s. 292.15(1)(c) must receive Department pre-approval prior to conducting a site investigation in order to be eligible for liability exemption under s. 292.15, Stat.

December 16, 1997

REF: 02-72-000316 & 03-72-000770

Ms. Sally Rowe - Safety Department, UW- Board of Regents

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Once the deed affidavit, the deed restriction, and the monitoring well and water supply well abandonment forms have been properly submitted to this office we will issue the final closure letter for this site. Thank you for your efforts to cleanup Wisconsin's environment. If you have additional relevant information which was not provided to the Department, and which you feel would significantly impact the Department's closure denial decision, you may submit that information for our re-evaluation of case closure. If you should have any questions regarding this letter please contact me at (715) 839-2781.

Sincerely,

Tom Hvizdak  
Hydrogeologist



c: Pete Chase, RMT, P.O. Box 8923, Madison, WI 53708-8923  
Eileen Kramer, WDNR-WCR



by the property owner or other interested party to give notice that this deed restriction, or portions of this deed restriction, are no longer binding.

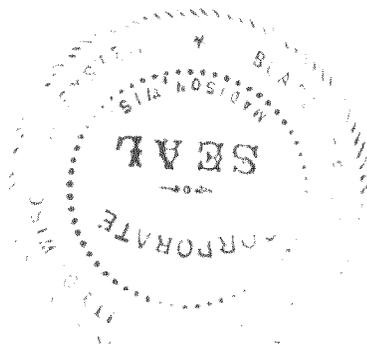
By signing this document, Jay L. Smith and Judith A. Temby assert that they are duly authorized to sign this document on behalf of the Board of Regents of the University of Wisconsin System.

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 12 day of April, 2001.

Board of Regents of the University of Wisconsin System

Signature: [Signature]  
Printed Name and Title: Jay L. Smith, President

Signature: [Signature]  
Printed Name and Title: Judith A. Temby, Secretary



Subscribed and sworn to before me  
this 12 day of April, 2001.  
[Signature]  
Edward S. Alschuler  
Notary Public, State of Wisconsin  
My Commission is permanent

This document was drafted by Attorney Edward S. Alschuler based on information from the Department of Natural Resources.

JOB#: 21200

DRAWN BY: KW

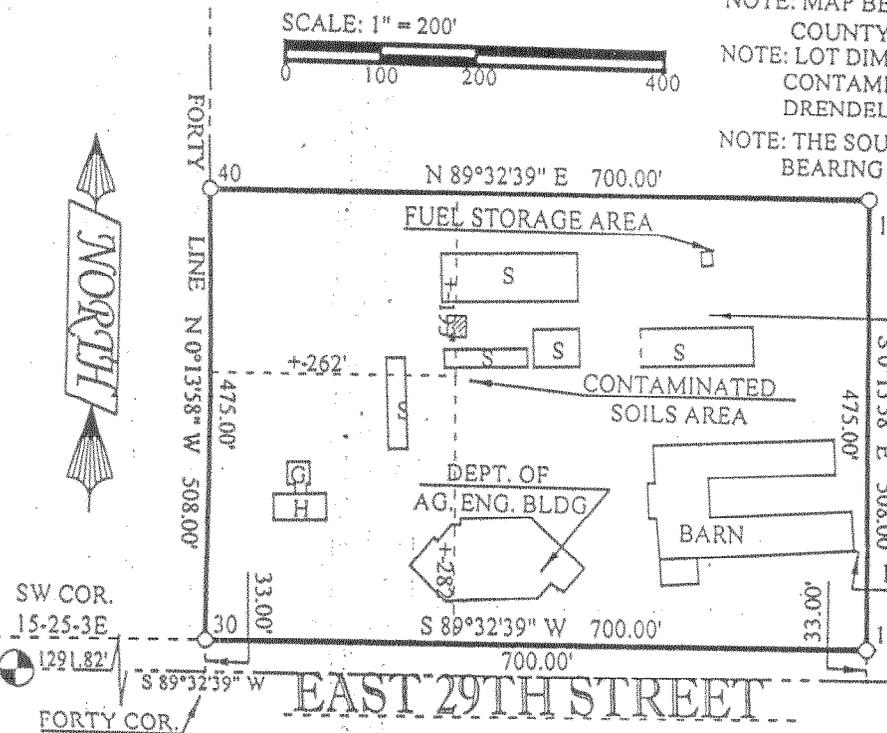
© 2000, BASLER LAND SURVEYING

IF THE SURVEYOR'S SEAL IS NOT RED IN COLOR, THIS MAP IS A COPY AND SHOULD BE ASSUMED TO CONTAIN UNAUTHORIZED ALTERATIONS. THE CERTIFICATION DOES NOT APPLY TO COPIES.

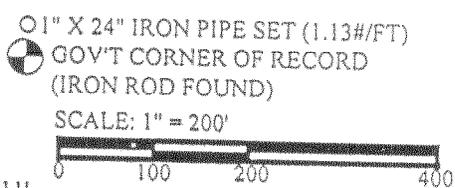
**WOOD COUNTY CERTIFIED SURVEY MAP NO. 7036**

BEING PART OF THE SE1/4 OF THE SW1/4 SECTION 15, TOWN 25 NORTH, RANGE 3 EAST, CITY OF MARSHFIELD, WOOD COUNTY, WISCONSIN.

NOTE: MAP BEARINGS REFERENCE TO WOOD COUNTY GPS COORDINATE SYSTEM.(GROUND)  
 NOTE: LOT DIMENSIONS WHERE REFERENCE FROM THE CONTAMINATED SOILS AREA, AS LOCATED BY TOM DRENDEL ON 2/16/00.  
 NOTE: THE SOUTH LINE OF THE SW1/4 ASSIGNED A BEARING OF S 89°32'39" W FOR THIS MAP.



**LOT - 1**  
 R/W 0.530 acres 23099,999 sq ft  
 NET 7.633 acres 332497,480 sq ft  
 TOTAL 8.163 acres 355597,479 sq ft



Number	North	East
1	543054.77'	650183.68'
2	543034.21'	647600.12'
30	543077.49'	648891.77'
40	543552.48'	648889.84'
118	543083.06'	649591.75'
119	543558.05'	649589.82'

**SURVEYOR'S CERTIFICATE:**

I, WAYNE BASLER, REGISTERED LAND SURVEYOR, hereby certify;

That I have surveyed and mapped this survey located in part of the SE1/4 of the SW1/4 Section 15, Town 25 North, Range 3 East, City of Marshfield, Wood County, Wisconsin, bounded and described as follows;

Commencing at the S1/4 COR. 15-25-3E;  
 Thence S 89°32'39" W, a distance of 591.82' to the POINT OF BEGINNING;  
 Thence S 89°32'39" W, a distance of 700.00';  
 Thence N 0°13'58" W, a distance of 33.00' to a iron monument;  
 Thence N 0°13'58" W, a distance of 475.00' to a iron monument;  
 Thence N 89°32'39" E, a distance of 700.00' to a iron monument;  
 Thence S 0°13'58" E, a distance of 475.00' to a iron monument;  
 Thence S 0°13'58" E, a distance of 33.00' to the POINT OF BEGINNING; subject to right-of-ways, easements, restrictions and reservations of record.

That I have made such survey at the direction of TOM DRENDEL / SUPERVISOR  
 MARSHFIELD EXPERIMENTAL FARM  
 8396 YELLOWSTONE DRIVE  
 MARSHFIELD, WI 54449



That such map is a correct representation of the exterior boundaries of the land surveyed and the subdivision thereof made; That I have complied fully with the provisions of Chapter 236.34 Wisconsin Statutes.

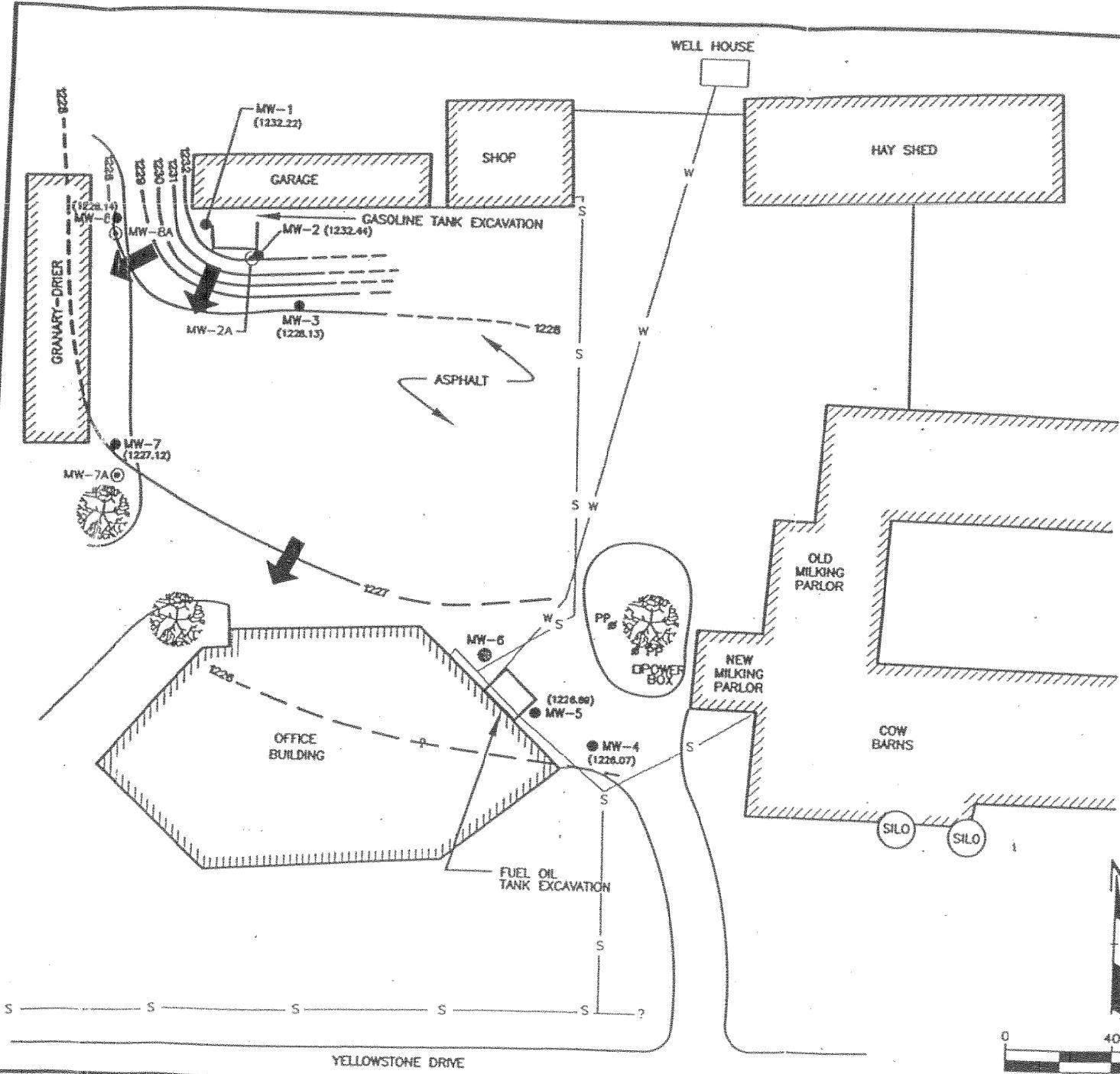
*Wayne Basler 3-2-00*  
 WAYNE BASLER R.L.S. 1167

Drafted By: KEVIN WHIPPLE

This Certified Survey Map is approved in accordance with Chapter 18.04(3) of the Municipal Code.

*Thomas R. Laill*  
 Date City Engineer

123458 B416  
 Thursday, November 21, 1996  
 3:43:15 PM  
 No ariel's Attached.  
 Drawing Name: J:\10380\07\0703.DWG  
 Operator Name: MDD  
 Scale: 1"=40'  
 21.02.02Z



**LEGEND**

- BUILDINGS
- MW-1 MONITORING WELL LOCATION AND NUMBER
- MW-2A PIEZOMETER LOCATION AND NUMBER
- (1228.06) GROUNDWATER ELEVATION (FEET)
- PP UTILITY POLE
- 1220 WATER TABLE CONTOUR LINE (CONTOUR INTERVAL IS 1.0 FT.) (DASHED WHERE INFERRED)
- W UNDERGROUND WATERLINE (APPROX. LOCATION)
- S UNDERGROUND SANITARY SEWER (APPROX. LOCATION)
- ESTIMATED FLOW DIRECTION

- NOTES**
1. SITE PLAN BASED ON RMT SURVEY (FEBRUARY, 1993), PERRY CARRINGTON ENGINEERING SURVEY (JULY, 1993), AND SITE PLAN PROVIDED BY UW.
  2. MONITORING WELL MW-6 WAS NOT USED TO CONSTRUCT THIS MAP DUE TO INFLUENCE OF UTILITY LINE BACKFILL.

**WATER TABLE CONTOUR MAP**  
**SEPTEMBER 1996**  
**UW MADISON - MARSHFIELD**  
**AG. RESEARCH**

	DRAWN BY: MDD
	APPROVED BY: MDD
	DATE: NOVEMBER 1996
	PROJ. / 10580.07
	FILE / 0703.DWG

Document Number GROUNDWATER USE RESTRICTION

Declaration of Restrictions

The property described in the attached Exhibit A, which is hereby made a part of this restriction.

STATE OF WISCONSIN )  
 ) ss  
COUNTY OF DANE )

WHEREAS, the Board of Regents of the University of Wisconsin System, the successor corporation to the Regents of the University of Wisconsin, pursuant to Chapter 100, Laws of Wisconsin 1971, Section 20(6), a body corporate pursuant to the laws of the State of Wisconsin, is the owner of the above-described property.

WHEREAS, one or more gasoline and fuel oil discharges have occurred at this property. Gasoline and fuel oil contaminated groundwater above ch. NR 140, Wis. Adm. Code enforcement standards exists on this property at the following location:

This is not homestead property.

Immediately south of the garage, adjacent to the former location of an underground petroleum storage tank as shown on Figure 1. The detectable groundwater Contamination is limited to that sampled in two monitoring wells (#2 and #2A) located within 15 feet of the south wall of the garage, and approximately 20 feet east of the buildings southwest corner. Contaminant species exceeding ch. NR 140, Wis. Adm. Code, enforcement standards are as follows:

- Benzene 5.3 parts per billion(ppb)
- Total Xylenes 1030 ppb
- 1,2 dibromoethane 1.1 ppb
- naphthelene 220 ppb

Soil contamination exists near the south wall of the garage and extends under the building for an unknown distance. Contaminant species exceeding ch. NR 720, Wis. Adm. Code, residual contaminant levels are as follows:

- Benzene 40,000 parts per million(ppm)
- Toluene 540,000 ppm
- Ethylbenzene 120,000 ppm
- Total Xylenes 820,000 ppm
- 1,3, 5 Trimethylbenzene 120,000 ppm
- 1, 2, 4 Trimethylbenzene 380,000 ppm
- Lead 31 ppm

WHEREAS, it is the desire and intention of the property owner to impose on the property restrictions which will make it unnecessary to conduct further groundwater or soil remediation activities on the property at the present time.

WHEREAS, natural attenuation has been approved by the Department of Natural Resources to remediate groundwater contamination exceeding ch. NR 140, Wis. Adm. Code, groundwater standards within boundaries of this property.

WHEREAS, construction of wells where the water quality does not comply with drinking water standards in ch. NR 809, Wis. Adm. Code, is restricted by chs. NR 811 and NR 812, Wis. Adm. Code. Special well construction standards or water treatment requirements, or both, or well construction prohibitions may apply.

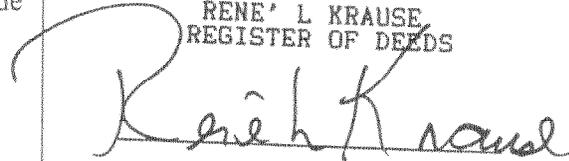
NOW THEREFORE, the owner hereby declares that all of the property described above is held and shall be held, conveyed or encumbered, leased, rented, used, occupied and improved subject to the following limitations and restrictions:

Anyone who proposes to construct or reconstruct a well on this property is required to contact the Department of Natural Resources' Bureau of Drinking Water and Groundwater, or its successor agency, to determine what specific requirements are applicable, prior to constructing or reconstructing a well on this property. No well may be constructed on this property unless applicable requirements are met.

877108  
REGISTER OF DEEDS  
WOOD COUNTY  
RECORDED ON

04-23-2001 1:40 PM

RENE' L KRAUSE  
REGISTER OF DEEDS



REC. FEE 16.00  
TRAN. FEE:  
PAGES: 4

RETURN TO:  
Edward S. Alschuler, Senior System Legal Counsel  
University of Wisconsin System  
1738 Van Hise Hall, 1220 Linden Drive  
Madison, WI 53706

Parcel Identification Number: None

If construction is proposed on this property that will require dewatering, or if groundwater use restriction is in effect, the groundwater shall be sampled and analyzed for contaminants that were previously detected on the property and any extracted groundwater shall be managed in compliance with applicable statutes and rules.

This restriction is hereby declared to be a covenant running with the land and shall be fully binding upon all persons acquiring the above-described property whether by descent, devise, purchase or otherwise. This restriction inures to the benefit of and is enforceable by the Wisconsin Department of Natural Resources, its successors and assigns. The Department, its successors and assigns, may initiate proceedings at law or in equity against any person or persons who violate or are proposing to violate this covenant, to prevent the proposed violation or to recover damages for such violation.

Any person who is or becomes owner of this property described above may request that the Wisconsin Department of Natural Resources or its successors issue a determination that one or more of the restrictions set forth in this covenant is no longer required. Upon the receipt of such a request, the Wisconsin Department of Natural Resources shall determine whether or not the restrictions contained herein can be extinguished. If the Department determines that the restrictions contained herein can be extinguished, an affidavit, attached to a copy of the Department's written determination, may be recorded by the property owner or other interested party to give notice that this deed restriction, or portions of this deed restriction, are no longer binding.

By signing this document, Jay L. Smith and Judith A. Temby assert that they are duly authorized to sign this document on behalf of the Board of Regents of the University of Wisconsin System as its duly elected and acting President and Secretary of the Corporation.

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 12 day of April, 2001.

Board of Regents of the University of Wisconsin System

Signature: [Signature]  
Printed name and title: Jay L. Smith, President

Signature: [Signature]  
Printed name and title: Judith A. Temby, Secretary



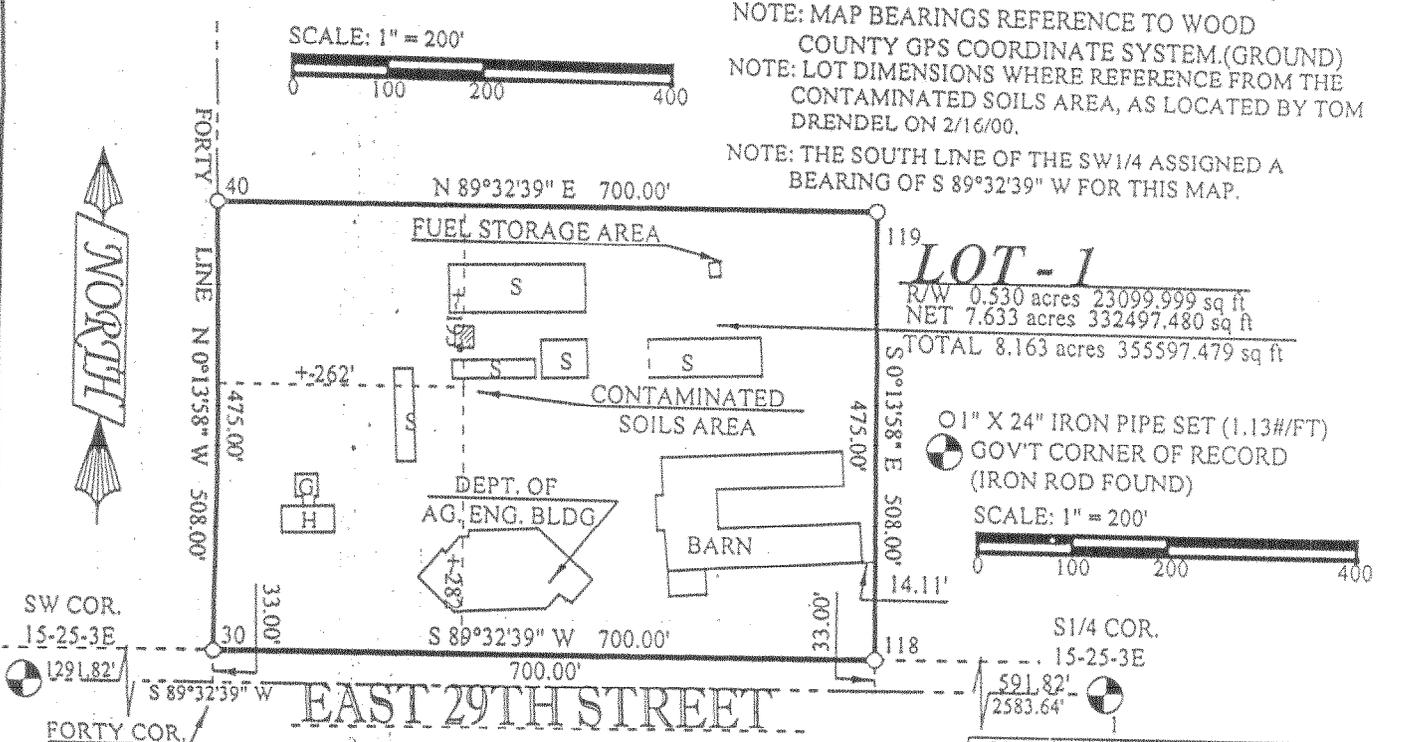
Subscribed and sworn to before me,  
this 12 day of April, 2001.  
[Signature]  
Edward S. Alschuler  
Notary public, State of Wisconsin  
My commission is permanent

This document was drafted by Attorney Edward S. Alschuler on information from the Department of Natural Resources.

JOB#: 21200 DRAWN BY: KW © 2000, BASLER LAND SURVEYING IF THE SURVEYOR'S SEAL IS NOT RED IN COLOR, THIS MAP IS A COPY AND SHOULD BE ASSUMED TO CONTAIN UNAUTHORIZED ALTERATIONS. THE CERTIFICATION DOES NOT APPLY TO COPIES.

**WOOD COUNTY CERTIFIED SURVEY MAP NO. 7036**

BEING PART OF THE SE1/4 OF THE SW1/4 SECTION 15, TOWN 25 NORTH, RANGE 3 EAST, CITY OF MARSHFIELD, WOOD COUNTY, WISCONSIN.



**SURVEYOR'S CERTIFICATE:**

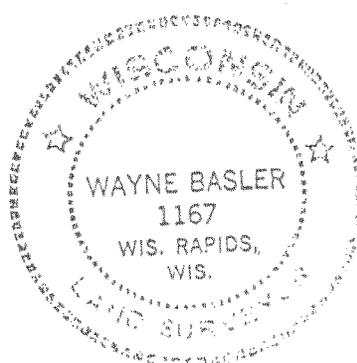
I, WAYNE BASLER, REGISTERED LAND SURVEYOR, hereby certify;

That I have surveyed and mapped this survey located in part of the SE1/4 of the SW1/4 Section 15, Town 25 North, Range 3 East, City of Marshfield, Wood County, Wisconsin, bounded and described as follows;

Commencing at the S1/4 COR. 15-25-3E;  
 Thence S 89°32'39" W, a distance of 591.82' to the POINT OF BEGINNING;  
 Thence S 89°32'39" W, a distance of 700.00';  
 Thence N 0°13'58" W, a distance of 33.00' to a iron monument;  
 Thence N 0°13'58" W, a distance of 475.00' to a iron monument;  
 Thence N 89°32'39" E, a distance of 700.00' to a iron monument;  
 Thence S 0°13'58" E, a distance of 475.00' to a iron monument;  
 Thence S 0°13'58" E, a distance of 33.00' to the POINT OF BEGINNING; subject to right-of-ways, easements, restrictions and reservations of record.

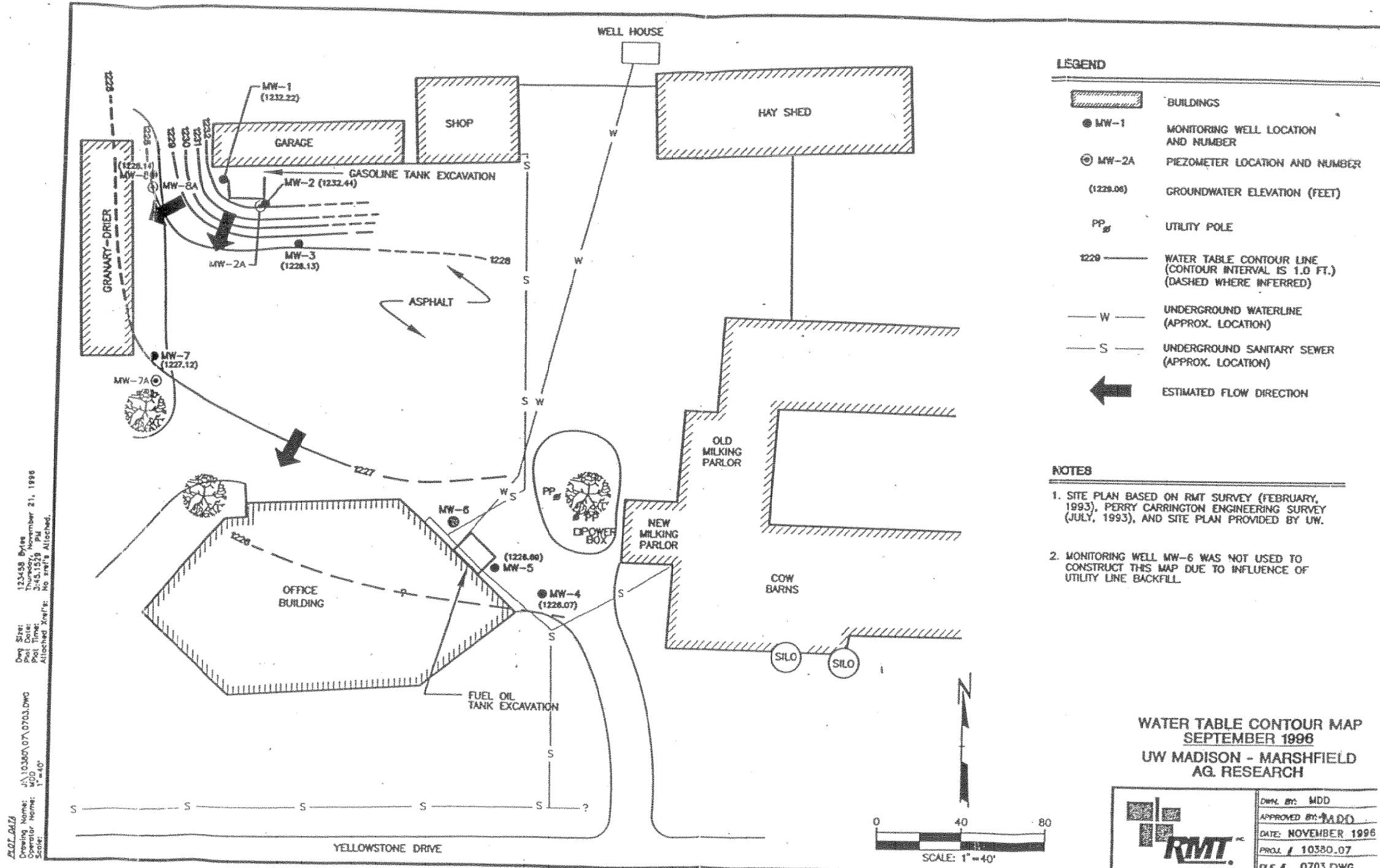
That I have made such survey at the direction of TOM DRENDEL / SUPERVISOR  
 MARSHFIELD EXPERIMENTAL FARM  
 8396 YELLOWSTONE DRIVE  
 MARSHFIELD, WI 54449

Number	North	East
1	543054.77'	650183.68'
2	543034.21'	647600.12'
30	543077.49'	648891.77'
40	543552.48'	648889.84'
118	543083.06'	649591.75'
119	543558.05'	649589.82'



That such map is a correct representation of the exterior boundaries of the land surveyed and the subdivision thereof made; That I have complied fully with the provisions of Chapter 236.34 Wisconsin Statutes.

Wayne Basler 5-2-00  
 WAYNE BASLER R.L.S. 1167  
 Drafted By: KEVIN WHIPPLE  
 This Certified Survey Map is approved in accordance with Chapter 18.04(3) of the Municipal Code.  
 5/8/2000 *Thomas R. Zell*  
 Date City Engineer



- LEGEND**
- BUILDINGS
  - MW-1 MONITORING WELL LOCATION AND NUMBER
  - MW-2A PIEZOMETER LOCATION AND NUMBER
  - (1228.06) GROUNDWATER ELEVATION (FEET)
  - PP<sub>60</sub> UTILITY POLE
  - 1228 WATER TABLE CONTOUR LINE (CONTOUR INTERVAL IS 1.0 FT.) (DASHED WHERE INFERRED)
  - W UNDERGROUND WATERLINE (APPROX. LOCATION)
  - S UNDERGROUND SANITARY SEWER (APPROX. LOCATION)
  - ESTIMATED FLOW DIRECTION

- NOTES**
1. SITE PLAN BASED ON RMT SURVEY (FEBRUARY, 1993), PERRY CARRINGTON ENGINEERING SURVEY (JULY, 1993), AND SITE PLAN PROVIDED BY UW.
  2. MONITORING WELL MW-6 WAS NOT USED TO CONSTRUCT THIS MAP DUE TO INFLUENCE OF UTILITY LINE BACKFILL.

125458 Dyes November 21, 1998  
 Plot Time: 2:45:15 PM  
 Attached Xref's: No xref's Attached  
 Drawing Name: J:\10300\07\0703.DWG  
 Operator Name: MDD  
 Scale: 1"=40'  
 Drawing Date: 11/21/98

**WATER TABLE CONTOUR MAP**  
**SEPTEMBER 1996**  
**UW MADISON - MARSHFIELD**  
**AG. RESEARCH**

	DWN. BY: MDD
	APPROVED BY: MDD
	DATE: NOVEMBER 1998
	PROJ. / 10300.07
	FILE / 0703.DWG

FIGURE 1

This Indenture, Made this 12th day of July in the year of our Lord, one thousand nine hundred and Nineteen BETWEEN Harley Jacklin and Erma Jacklin his wife and F.L. Musbach and Roxena Musbach his wife

parties of the first part, and The Regents of the University of Wisconsin

parties of the second part.

Witnesseth, That the said parties of the first part for and in consideration of the sum of Fifteen Thousand and no/100. ( \$15,000 ) Dollars, to them in hand paid, by the said parties of the second part the receipt whereof is hereby confessed and acknowledged have given, granted, bargained, sold, remised, released, aliened, conveyed and confirmed and by these presents do give, grant, bargain, sell, remise, release, alien, convey and confirm unto the said parties of the second part, their heirs and assigns forever, the following described real estate, situated in the County of Wood and State of Wisconsin, to-wit:

The North West quarter of the Northeast quarter of Section Twenty two (22) and the South East quarter of the South West quarter and the West half of the South West quarter of the South East quarter of Section Fifteen (15), all in Township Twenty five (25) North of Range Three (3) East.



Together with all and singular the Hereditaments and Appurtenances thereunto belonging, or in any-wise appertaining, and all the estate, right, title, interest, claim, or demand whatsoever of the said parties of the first part either in law or equity, either in possession or expectancy of, in and to the above bargained premises and their Hereditaments and Appurtenances, TO HAVE AND TO HOLD the said premises as above described, with the Hereditaments and Appurtenances, unto the said parties of the second part and to their heirs and assigns forever.

And the Said Parties of the first part for themselves and heirs, executors and administrators do covenant, grant, bargain, and agree, to and with the said parties of the second part, their heirs and assigns, that at the time of the ensealing and delivery of these presents that they are well seized of the premises above described as of a good, sure, perfect, absolute and indefeasible estate of inheritance in the law, in fee simple, and that the same are free and clear from all incumbrances whatever:

and that the above bargained premises in the quiet and peaceable possession of the said parties of the second part, their heirs and assigns, against all and every person or persons lawfully claiming the whole or any part thereof that they will forever WARRANT AND DEFEND.

In Witness Whereof, the said parties of the first part have hereunto set their hands and seals the day and year first above written.

Signed, sealed and delivered in presence of

Harley Jacklin (Seal)
Erma Jacklin (Seal)
F. L. Musbach (Seal)
Roxena Musbach (Seal)

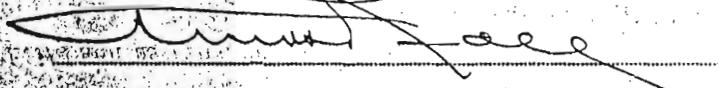
State of Wisconsin,  
County of Wood

ss.

Personally came before me this 12th. day of July A. D. 1919

the above named Harley Jacklin and Erma Jacklin,  
his wife and F.L. Musbach and Roxena Musbach, his wife

to me known to be the person who executed the foregoing  
instrument and acknowledged the same.



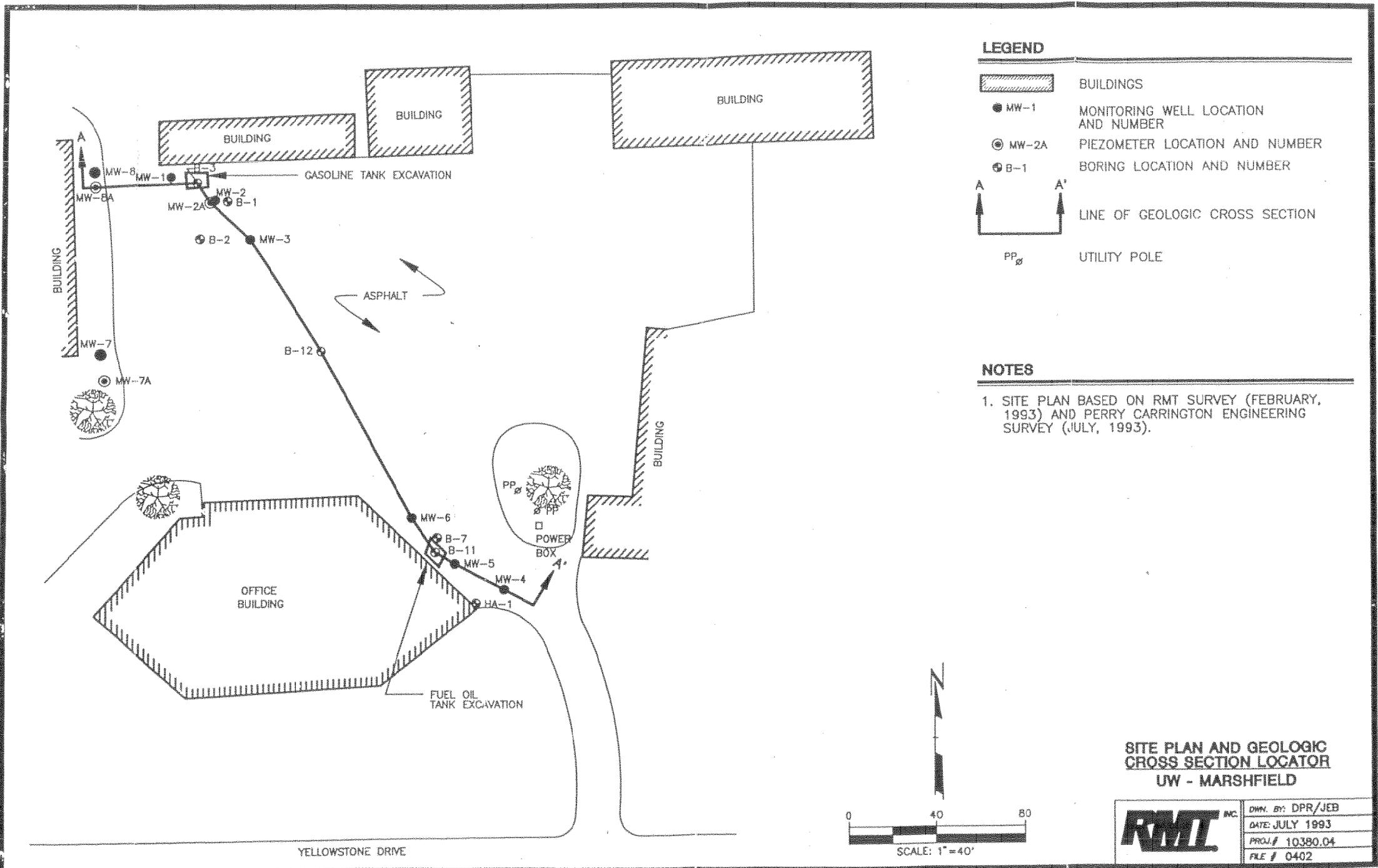
NOTARY PUBLIC

My commission expires Jan 18th A. D. 1920

(To be filed in if signed by a Notary Public.)

No. 137507 Harley Jacklin F.L. Musbach and wives	To The Regents of the University of Wisconsin	22-25-19 8-9-15-25-19 15-25-19 <b>Warranty Deed</b>	1-18-54 REGISTER'S OFFICE, Wood County, Wis.	Received for Record this 6th day of Sept. A. D. 1919, at 11:51 o'clock P. M., and recorded in Vol.	109 of Deeds on Page 80 Henry Ebel Register of Deeds.	BELMONT 80 R. I. FER...
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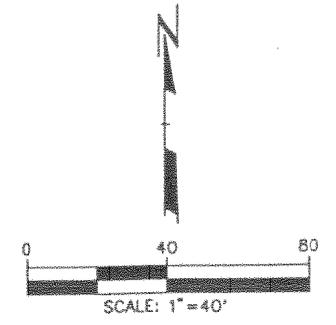


**LEGEND**

	BUILDINGS
	MW-1 MONITORING WELL LOCATION AND NUMBER
	MW-2A PIEZOMETER LOCATION AND NUMBER
	B-1 BORING LOCATION AND NUMBER
	A A' LINE OF GEOLOGIC CROSS SECTION
	PP UTILITY POLE

**NOTES**

1. SITE PLAN BASED ON RMT SURVEY (FEBRUARY, 1993) AND PERRY CARRINGTON ENGINEERING SURVEY (JULY, 1993).

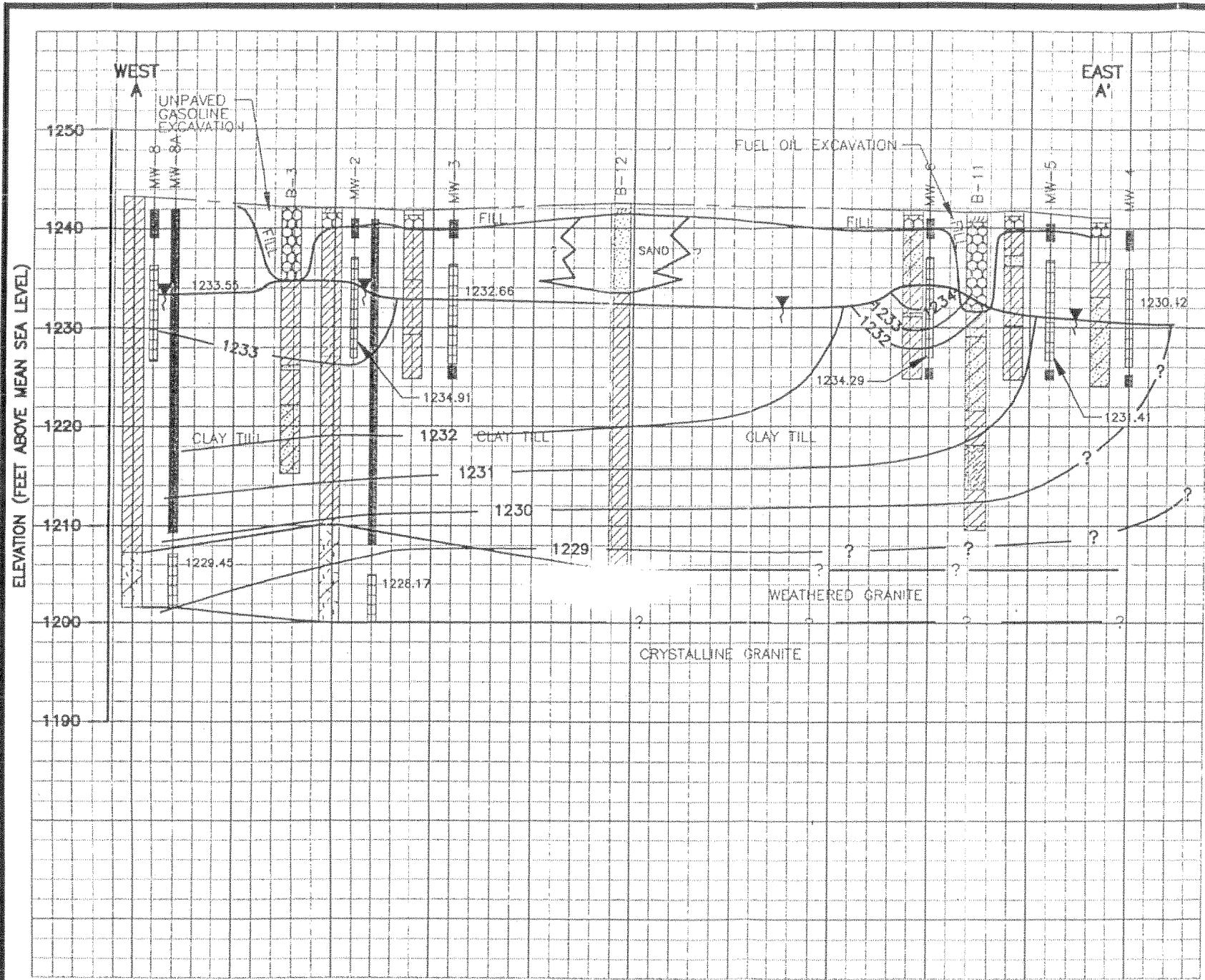


**SITE PLAN AND GEOLOGIC CROSS SECTION LOCATOR  
UW - MARSHFIELD**

	DWN. BY: DPR/JEB
	DATE: JULY 1993
	PROJ. # 10380.04
	FILE # 0402

**FIGURE 2**

AUG 11 1002



**LEGEND**

- EXISTING GROUND SURFACE
- STRATIGRAPHIC CONTACT
- WATER TABLE (JULY 14, 1993)
- 1229 — EQUIPOTENTIAL LINES
- 1229.42 GROUNDWATER ELEVATION

**WELL CONSTRUCTION**

- BENTONITE SEAL
- SCREENED INTERVAL

**SOIL TYPES**

- ASPHALT
- FILL
- LEAN CLAY
- SANDY LEAN CLAY
- SILT
- POORLY GRADED SAND WITH CLAY
- GRANITE (WEATHERED)

**NOTES**

1. BORING LOGS AND WELL CONSTRUCTION DIAGRAMS INCLUDED IN APPENDIX B.
2. LINE OF CROSS SECTION SHOWN ON FIGURE 2.
3. GROUNDWATER ELEVATIONS EXPRESSED IN FEET ABOVE MEAN SEA LEVEL.

VERTICAL SCALE: 1"=10'  
 HORIZONTAL SCALE: 1"=30'

**EQUIPOTENTIAL CROSS SECTION A-A'**  
**JULY 14, 1993**  
**U.W. - MARSHFIELD**

<b>AMT</b> INC.	DWN. BY: JEB
	APPROVED BY:
	DATE: AUGUST 1993
	PROJ# 10380.04 FILE # 0404

FIGURE 5

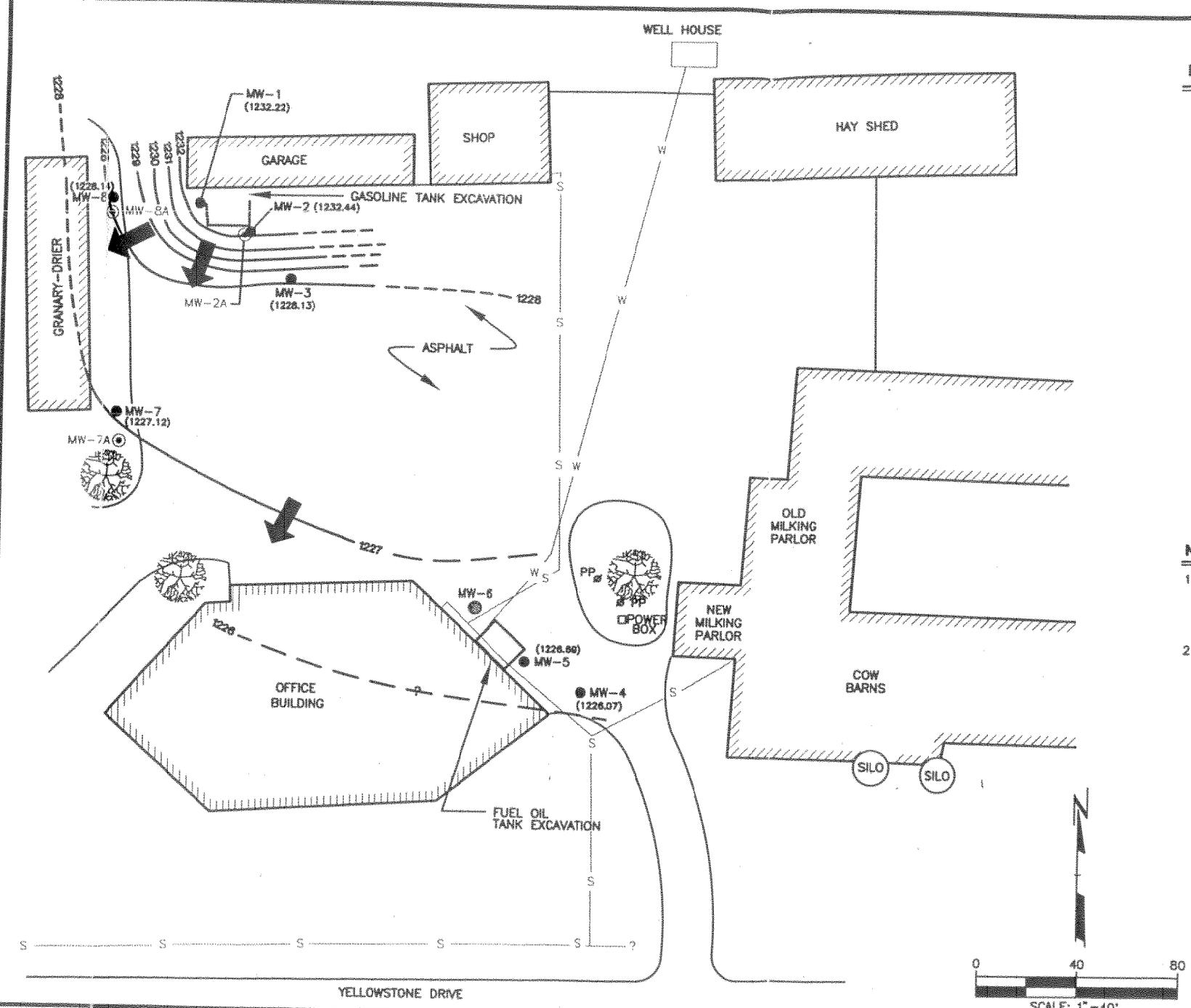
123458 Byles  
 Thursday, November 21, 1996  
 3:45:15Z PM  
 Attached Xref's: No xref's Attached.

Dwg Size:  
 Plot Date:  
 Plot Time:  
 Attached Xref's:

J:\10380\07\0703.DWG  
 JDD  
 11:40

Drawing Name:  
 Operator Name:  
 Scale:

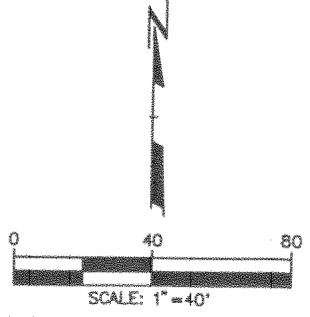
PLT:ALZ



- LEGEND**
- BUILDINGS
  - MW-1 MONITORING WELL LOCATION AND NUMBER
  - MW-2A PIEZOMETER LOCATION AND NUMBER
  - (1226.06) GROUNDWATER ELEVATION (FEET)
  - PP<sub>g</sub> UTILITY POLE
  - 1226 WATER TABLE CONTOUR LINE (CONTOUR INTERVAL IS 1.0 FT.) (DASHED WHERE INFERRED)
  - W UNDERGROUND WATERLINE (APPROX. LOCATION)
  - S UNDERGROUND SANITARY SEWER (APPROX. LOCATION)
  - ESTIMATED FLOW DIRECTION

- NOTES**
1. SITE PLAN BASED ON RMT SURVEY (FEBRUARY, 1993), PERRY CARRINGTON ENGINEERING SURVEY (JULY, 1993), AND SITE PLAN PROVIDED BY UW.
  2. MONITORING WELL MW-6 WAS NOT USED TO CONSTRUCT THIS MAP DUE TO INFLUENCE OF UTILITY LINE BACKFILL.

**WATER TABLE CONTOUR MAP  
 SEPTEMBER 1996  
 UW MADISON - MARSHFIELD  
 AG. RESEARCH**



	DWN. BY: MDD
	APPROVED BY: MDD
	DATE: NOVEMBER 1996
	PROJ # 10380.07
	FILE # 0703.DWG

FIGURE 1

# Confirmation Sampling - Post Excavation

**TABLE 1**

**FIELD-SCREENING AND LABORATORY ANALYSIS RESULTS OF SOIL SAMPLES<sup>1</sup> - FUEL OIL TANK LOCATION**

Field Sample I.D.	Lab Sample I.D.	Location/Description	Depth (feet below grade)	PID (Instrument Units) <sup>2</sup>	DRG (mg/kg)	PVOCs (µg/kg)						
						MTBE <sup>3</sup>	Benzene <sup>4</sup>	Toluene	Ethylbenzene	Xylenes	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene
1	4571-003	North wall	12	< 2	< 4.1	< 1.1	< 1.1	< 1.1	< 1.1	< 3.4	< 1.1	< 1.1
2	4571-004	South wall	12	< 4	10	< 1.3	< 1.3	< 1.3	< 1.3	< 3.8	< 1.3	< 1.3
3	4571-005	East wall	12	< 3	< 3.9	< 1.1	< 1.1	< 1.1	< 1.1	< 3.4	< 1.1	< 1.1
4	4571-006	West wall	12	< 1	6.4	< 1.2	< 1.2	< 1.2	< 1.2	< 3.7	< 1.2	< 1.2
5	4571-007	Bottom	13	< 2	< 4.4	< 1.2	< 1.2	< 1.2	< 1.2	< 3.7	< 1.2	< 1.2

**NOTES:**

- 1 Sample locations are shown on Figure 2A.
- 2 The PID provides indirect indications of the level of VOCs, which may be present in excavated soil. The PID primarily indicates the relative differences in reading between samples.
- 3 Methyl-tertiary-butyl-ether.
- 4 Analysis for PVOCs by EPA Method 8020.

# Confirmation Sampling - Post Excavation

**TABLE 2**

**FIELD-SCREENING AND LABORATORY ANALYSIS RESULTS OF SOIL SAMPLES<sup>1</sup> - GASOLINE TANK LOCATION**

Field Sample I.D.	Lab Sample I.D.	Location/Description	Depth (feet below grade)	PID (Instrument Units) <sup>2</sup>	GRO (mg/kg)	PVOCs (µg/kg)							Lead (mg/kg)
						MTBE <sup>3</sup>	Benzene <sup>4</sup>	Toluene	Ethylbenzene	Xylenes	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene	
6	4571-008	North wall	12	2,150	6,200	< 13,000	40,000	540,000	120,000	820,000	120,000	380,000	31
7	4571-009	South wall	12	< 5	< 6.0	< 1.2	< 1.2	< 1.2	< 1.2	< 3.6	< 1.2	< 1.2	16
8	4571-010	East wall	12	< 3	< 6.1	< 1.2	< 1.2	1.5	< 1.2	12	< 1.2	8.6	14
9	4571-011	West wall	12	< 4	< 5.9	< 1.2	< 1.2	< 1.2	< 1.2	< 3.5	< 1.2	< 1.2	15
10	4571-012	Bottom	13	43	< 6.0	< 1.2	21	6.2	6.6	57	2.4	15	14

**NOTES:**

- 1 Sample locations are shown on Figure 2B.
- 2 The PID provides indirect indications of the level of VOCs, which may be present in excavated soil. The PID primarily indicates the relative differences in reading between samples.
- 3 Methyl-tertiary-butyl-ether.
- 4 Analysis for PVOCs by EPA Method 8020.

**TABLE 2**  
**SUMMARY OF VOC DETECTIONS IN**  
**WELLS NEAR THE GASOLINE TANK EXCAVATION <sup>1,2</sup>**  
**UW-MADISON MARSHFIELD AGRICULTURAL RESEARCH STATION**

	Methyl-tert-butyl ether	Benzene	Toluene	Ethylbenzene	Xylenes (total)	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene	1,2-Dichloroethane (1,2 DCA)	1,2-Dibromoethane (EDB)	Chloroform	Naphthalene
NR 140 PAL	12	0.5	68.6	140	124	NGS	NGS	0.5	0.005	0.6	8
NR 140 ES	60	5	343	700	620	NGS	NGS	5	0.05	6.0	40
<b>MW-1</b>											
2/2/93	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NA	NA	NA
7/14/93	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NA	NA	NA
4/27/94	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	1.5	NA	NA	NA	NA
7/5/94	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
10/26/94	NA	<b>56</b>	6.6	18	98	12	62	<b>5.2</b>	<b>13</b>	2.5	30
1/9/95	<1.0	<b>9.5</b>	<1.0	<1.0	14	<1.0	11	1.2	<b>5.4</b>	<1.0	<5.0
4/25/95	<1.0	<1.0	1.4	<1.0	15	2.6	7.5	<1.0	<1.0	<1.0	<5.0
7/25/95	<1.0	1.1	<1.0	<1.0	<3.0	<1.0	1.6	<1.0	<1.0	<1.0	<5.0
10/10/95	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0	<1.0	8
3/20/96	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0	NA	<5.0
7/31/96	<1.0	Q	Q	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0	NA	Q
9/25/96	<1.0	<0.6	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0
12/20/96	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	NA	<2.0
<b>MW-2</b>											
2/2/93	<20	<b>54</b>	190	26	<b>1,600</b>	200	320	NA	NA	NA	NA
7/14/93	<50	<50	71	58	<b>790</b>	<50	290	<50	<50	<50	<50
4/27/94	<200	<b>300</b>	<b>2,000</b>	<b>800</b>	<b>8,760</b>	1,200	<200	NA	NA	NA	NA
7/5/94	<25	<b>210</b>	<b>600</b>	230	<b>2,400</b>	330	900	<b>32</b>	<b>42</b>	<25	<125
10/26/94	NA	<b>290</b>	<b>790</b>	540	<b>4,600</b>	370	1,200	<50	<50	<50	<b>320</b>
1/9/95	<50	<b>250</b>	<56	450	<b>1,800</b>	940	2,200	<50	<50	<50	<430
4/25/95	<100	<100	<b>900</b>	450	<b>3,000</b>	380	1,300	<100	<100	<100	<500
7/25/95	<100	<100	<b>460</b>	500	<b>3,300</b>	430	1,600	<100	<100	<100	<500
10/10/95	<100	<100	<b>390</b>	560	<b>4,800</b>	520	1,900	<100	<100	<100	<b>640</b>
3/20/96	<50	<b>140</b>	<b>910</b>	<b>810</b>	<b>3,700</b>	410	1,300	<50	<50	NA	<b>460</b>
7/31/96	<1.0	<b>7.3</b>	200	260	<b>1,600</b>	150	520	<1.0	<1.0	NA	<b>120</b>
9/25/96	<2.0	<b>6.7</b>	69	220	<b>660</b>	190	430	<1.0	<b>1.0</b>	NA	<b>140</b>
12/20/96	<2.0	<b>5.3</b>	160	380	<b>1,030</b>	31	520	<2.0	<2.0	NA	<b>220</b>
<b>MW-2A</b>											
7/14/93	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	4.7	<b>5.6</b>	<1.0	<10
4/27/94	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NA	NA	NA
7/5/94	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<b>2.2</b>	<1.0	<5.0
10/26/94	NA	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
1/9/95	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<b>1.2</b>	<1.0	<5.0
4/25/95	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
7/25/95	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
10/10/95	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
3/20/96	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0	NA	<b>77</b>
7/31/96	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	1.2	<b>1.4</b>	NA	<5.0
9/25/96	<1.0	<0.6	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<b>1.7</b>	NA	<1.0
12/20/96	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	0.7	<b>1.1</b>	NA	<2.0

**TABLE 2**  
**SUMMARY OF VOC DETECTIONS IN**  
**WELLS NEAR THE GASOLINE TANK EXCAVATION <sup>1,2</sup>**  
**UW-MADISON MARSHFIELD AGRICULTURAL RESEARCH STATION**

	Methyl-tert-butyl ether	Benzene	Toluene	Ethylbenzene	Xylenes (total)	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene	1,2-Dichloroethane (1,2 DCA)	1,2-Dibromoethane (EDB)	Chloroform	Naphthalene
NR 140 PAL	12	0.5	68.6	140	124	NGS	NGS	0.5	0.005	0.6	8
NR 140 ES	60	5	343	700	620	NGS	NGS	5	0.05	6.0	40
MW-3	No VOC detections to date.										
MW-7	Only VOC detection to date: 7/25/95 - n-propylbenzene at 1.4 µg/L.										
MW-7A	No VOC detections to date.										
MW-8	Only VOC detection to date: 7/25/95 - n-propylbenzene at 1.3 µg/L.										
MW-8A	No VOC detections to date.										

NOTES:

**BOLD** type indicates an Enforcement Standard exceedance.

ES Enforcement Standard.

PAL Preventive Action Limit.

NA Not analyzed.

NGS No numerical groundwater standard exists for this compound at this time.

Q Qualitative mass spectral evidence of analyte present: concentration is less than the reporting limit.

<sup>1</sup> MW-7A and MW-8A, located in the gasoline tank area, have not had VOC detections in 10 rounds of sampling. MW-3 has not had VOC detections in 12 rounds of sampling. The only VOC detections in 10 rounds of sampling at monitoring wells MW-7 and MW-8 was n-propylbenzene at concentrations below 2 µg/L in July 1995.

<sup>2</sup> Other VOCs have been detected in MW-1 and MW-2 historically at concentrations below the respective PAL (if established). See laboratory data sheets for specific compounds and concentrations. Petroleum volatile organic compound analyses were performed according to EPA Method 8020. VOC analyses were performed according to Method EPA 8021.

TABLE 6

SUMMARY OF CHEMICAL ANALYSES OF GROUNDWATER SAMPLES  
UW-MARSHFIELD RESEARCH STATION

Parameter	Well Location <sup>1</sup>															NR 140	
	Gasoline Tank Area									Fuel Oil Tank Area						ES	PAL
	MW-1 Same <sup>2</sup>	MW-2		MW-2A	MW-3 Same <sup>2</sup>	MW-7 6/11/93	MW-7A 6/11/93	MW-8 6/11/93	MW-8A 6/11/93	MW-4		MW-5		MW-6			
		2/2/93	6/11/93	6/11/93						2/2/93	6/11/93	2/2/93	6/11/93	2/2/93	6/11/93		
Methyl-tert-butyl-ether <sup>3</sup> (µg/L)	< 1.0	< 20	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	60	12
Benzene (µg/L)	< 1.0	54	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.8	< 1.0	< 1.0	< 1.0	5.0	0.67
Toluene (µg/L)	< 1.0	190	71	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.4	1.0	5.7	< 1.0	< 1.0	343	68.6
Ethylbenzene (µg/L)	< 1.0	26	58	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.8	2.9	< 1.0	< 1.0	1,360	272
Xylenes (total) (µg/L)	< 3.0	1,600	790	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	13	8.8	3.8	< 3.0	620	124
1,3,5-Trimethylbenzene (µg/L)	< 1.0	200	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	7.2	< 1.0	2.3	< 1.0	NS <sup>4</sup>	NS
1,2,4-Trimethylbenzene (µg/L)	< 1.0	320	290	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	19	5.6	12	< 1.0	NS	NS
Gasoline range organics <sup>5</sup> (µg/L)	< 0.1	6.4	4.5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	NA	NA	NA	NA	NA	NA	NS	NS
Diesel range organics <sup>5</sup> (µg/L)	NA <sup>6</sup>	NA	NA	NA	NA	NA	NA	NA	NA	0.1	< 0.1	1.4	1.2	0.8	< 0.1	NS	NS
Lead <sup>7</sup> (µg/L)	< 3.0	< 3.0	NA	NA	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50	5

## NOTES:

\* ES - Enforcement Standard

\*\* PAL - Preventive Action Limit

<sup>1</sup> Well locations are shown on Figure 2.<sup>2</sup> \*Same\* indicates that analytical results were identical for both rounds of sampling<sup>3</sup> Petroleum volatile organic compound analyses were performed according to EPA Method 8020.<sup>4</sup> NS = No numerical groundwater standards are available at this time.<sup>5</sup> Gasoline range organic and diesel range organic analyses were performed according to the WDNR Modified Methods, April 1992.<sup>6</sup> NA = Not analyzed.<sup>7</sup> Lead analyses were performed using EPA Method SW 846 6010.

Complete laboratory reports for groundwater are included in Appendix E.

Groundwater samples collected in accordance with methods described in Appendix A.