

GRCRS Package Cover Sheet

Site Name Bluff Siding Spur

Site Address W 502 Spur La., Inter'n Hwys 35+54

BRRTS # 03-06-001316 Date of Closure Decision 8/16/2000

2 Closure letter(s) 8/17/2000 4/4/2001

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)

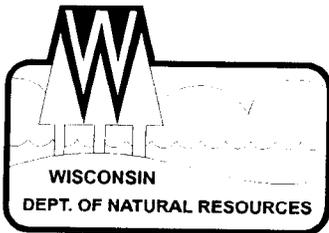
If available:

Legal description { see deed }

\_\_\_\_\_ 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

West Central Region Headquarters  
1300 W. Clairemont Avenue  
PO Box 4001  
Eau Claire, Wisconsin 54702-4001  
Telephone 715-839-3700  
FAX 715-839-6076  
TDD 715-839-2786

April 4, 2001

Mr. Cyril Pehler  
Dodge Oil Company  
P.O. Box 69  
Dodge, WI 54625

SUBJECT: Petroleum Contamination Investigation and Cleanup  
Bluff Siding Spur Station, W502 Spur Lane, Fountain City  
DNR #03-06-001316, **Final Case Closure**

Dear Mr. Pehler

This letter is to confirm that the Department of Natural Resources has received the monitoring well abandonment forms, copy of the recorded groundwater use and deed restriction, copy of the letter to Wisconsin Department of Transportation, documentation of public notice of the soil performance standard, and copy of the cap maintenance plan, in accordance with the closeout conditions specified in DNR's letter of August 17, 2000.

The DNR considers this case closed and will indicate this on the Bureau of Remediation and Redevelopment Tracking System. Thank you for helping to protect health and the environment in Wisconsin. Please feel free to call me at 715-389-3824, if you have any questions.

Sincerely,

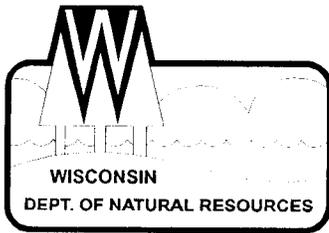
Eileen Kramer, P.H.  
Hydrogeologist  
Remediation & Redevelopment Program

c: Rich Rippley – Michaels Engineering

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Through Excellent Customer Service*





State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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

West Central Region Headquarters  
1300 W. Clairemont Avenue  
PO Box 4001  
Eau Claire, Wisconsin 54702-4001  
Telephone 715-839-3700  
FAX 715-839-6076  
TDD 715-839-2786

August 17, 2000

Mr. Cyril Pehler  
Dodge Oil and Gas Co.  
P.O. Box 69  
Dodge, WI 54625

Subject: Petroleum Contamination Cleanup at Bluff Siding Spur at intersection of  
Highways 35 and 54, Bluff Siding, Buffalo Co., DNR #03-06-001316,  
PECFA #54629-7208-02, **Case Closure**

Dear Mr. Pehler:

On November 17, 1994, the Department of Natural Resources provided a notice to you that the degree and extent of petroleum contamination at the above-named site was required to be investigated and remediated. We have since been informed that the required work has been completed. On August 16, 2000, the above-named site was reviewed by the West Central Region Closeout Committee for a determination as to whether or not the case qualified for close out under ch. NR 726, Wis. Adm. Code. Based on the documentation provided to the Department, it appears that the petroleum contamination at the above-named site has been addressed in compliance with the requirements of chs. NR 700 to 724 and NR746 Wis. Adm. Code. Therefore, the Department considers the case closed, in accordance with NR726, having determined that no further action is necessary to protect human health or the environment.

Due to the presence of contamination remaining in groundwater at the site, a condition of the closeout is that the owner complete, sign and record a groundwater use restriction for the property within 60 days after receipt of this letter. As the contaminated groundwater plume is also present under county and state owned roadways, the owners of the roadways must be advised in writing of the degree and extent of groundwater contamination under the roadways. A copy of that written notification must be sent to the DNR.

Contaminated soil in exceedance of NR746 direct contact levels is present. Also, residual vadose zone contamination may present a threat to the groundwater if the existing cap on the site were removed or deteriorated, and water infiltration rates increased. Consequently, a condition of closeout is that a deed restriction must be recorded. This document must describe the presence of petroleum contaminated sub-surface material that would present a direct contact threat to human health, and potentially, in the absence of a cap, a threat to groundwater quality. A cap maintenance plan must be developed and implemented. The maintenance plan must be referred to or included in the deed restriction and a copy of the plan sent to the DNR. Petroleum contaminated soil and bedrock remaining on the site, if excavated in the future, may be a solid waste and require proper remediation and/or disposal.

As a performance standard is incorporated into the remediation at this site, a public notice in

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Printed on  
Recycled  
Paper

accordance with the requirements of Wisc. Adm. Code. NR714.07(5) must be published, and its publication documented to the DNR.

For your convenience, I am enclosing generic forms for the deed instruments. Site specific information should be inserted, a site map(s) attached, and drafts returned to me for DNR review. Following DNR review, the final drafts are to be filed by the property owner with the County Register of Deeds. To document that this condition has been met, the property owner must submit to the DNR copies of the recorded deed instruments, with the recording information stamped on them.

As you may be aware, groundwater use restrictions that are required as a condition of closeout will be recorded in the future on a Groundwater Use Restriction Registry (GWURR). The registry will be a geographic information system (GIS) data layer, created and maintained by DNR.

This registry will, eventually, eliminate the current practice described above of property owners filing groundwater use restrictions on deeds at their respective county Register of Deeds offices. To begin implementation of this new process and in order to facilitate processing of your closeout with a groundwater use restriction, we would appreciate your furnishing the following information (if it is not already included in the closeout summary and request):

1. Copies of deeds for all affected properties.
2. Parcel identification number(s) or parcel tax number(s) (usually assigned by county treasurer).
3. Legal descriptions of the property boundaries with metes and bounds (this is often found on the deed). References to lots on subdivided or platted property must be accompanied by a copy of the certified survey map or recorded plat map.
4. A location map which outlines each property to receive a GWUR. The map must be in sufficient detail to permit the easy location of the property/parcel.
5. A detailed map of the contaminated property/ies showing layout and location of buildings, roads, contaminant sources, utilities, receptors or potential receptors (ex: environmentally sensitive areas, wetlands), monitoring and potable wells, and property lines.
6. Latest available contaminant plume map(s), showing groundwater flow direction, monitoring and potable wells, and isoconcentrations for all groundwater contaminants that exceed NR140 PALs.

As a condition of case closure, all monitoring wells must be properly abandoned and the abandonment forms sent to my attention. Please be certain that the abandonment contractor identifies the site completely on the forms and that the forms are sent to my attention. Abandonment forms not completely filled out or not sent directly to me may not reach me, and I will not be able to complete the closure of your case.

To sum up, the following must be completed to finalize the closeout of your cleanup:

1. Groundwater use restriction filed with the county register of deeds. (Please submit a copy to DNR for review prior to filing.
2. Deed restriction for residual soil contamination filed with the county register of deeds. (Again, a draft must be reviewed by DNR prior to filing.)
3. Cap maintenance plan.
4. Additional information needed to complete entry on the groundwater use restriction registry.
5. Monitoring well abandonment.

As soon as the above conditions have been fulfilled, your case closure will be completed. In accordance with the requirements of Wisconsin Administrative Code NR749, a fee in the amount of \$750 was received by the Department for closeout review of this case. The Department appreciates the actions you have undertaken to protect human health and the environment. If you have any questions, please feel free to call me at (715) 839-3824.

Sincerely,

Eileen Kramer  
Hydrogeologist  
Remediation and Redevelopment Program

c: Rich Rippley, Michaels Engineering  
Dale Ziege, WDNR  
Lori Huntoon, WDCOM

194506  
DOCUMENT NO.

STATE BAR OF WISCONSIN FORM 5 - 1982  
PERSONAL REPRESENTATIVE'S DEED

218

VOL. 263 PAGE 218

Arthur J. Tulus  
Leonard J. Losinski  
as Personal Representative of the estate of  
("Decedent").  
for a valuable consideration conveys, without warranty, to Cyril J. Pehler,  
a married man  
Grantee,  
the following described real estate in Buffalo County,  
State of Wisconsin (hereinafter called the "Property"):

REGISTRY OF DEEDS  
BUFFALO COUNTY, WIS.  
Received & Recorded the 5  
day of June A.D. 1998 at 9:00  
A.M. and returned to  
Vol. 263 of Rec. 218  
Dorothy Cochran

12000.

THIS SPACE RESERVED FOR RECORDING DATA  
NAME AND RETURN ADDRESS  
Norwest Bk. Mn. SE NA  
PO Box 207  
Wisconsin Mn.

SEE ATTACHED DESCRIPTION

TRANSFER  
\$ 577.50 PD  
FEE

6-546-0000  
PARCEL IDENTIFICATION NUMBER  
6-595-0000  
6-968-0000

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 2nd day of June, 1998

(SEAL)  
Personal Representative

Arthur J. Tulus (SEAL)  
Personal Representative

AUTHENTICATION

Signature of Arthur J. Tulus  
authenticated this 2nd day of June, 1998

C. Michael Chambers  
TITLE MEMBER STATE BAR OF WISCONSIN  
(If not, authorized by 8706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY  
Attorney C. Michael Chambers  
Cochrane, Wisconsin 54622  
(Signatures may be authenticated or acknowledged. Both are not necessary.)

ACKNOWLEDGMENT

State of Wisconsin, } ss.  
County: }  
Personally came before me this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, the above named \_\_\_\_\_  
to me known to be the person who executed the foregoing instrument and acknowledge the same.  
Notary Public, \_\_\_\_\_ County, Wis.  
My commission is permanent. (If not, state expiration date: \_\_\_\_\_, 19\_\_\_\_.)

\* Names of persons signing in any capacity should be typed or printed below their signatures.  
STATE BAR OF WISCONSIN  
Form No. 5 - 1982

194506

VOL. 263 PAGE 249

A tract or parcel of land in Lot Number Four (4), which is Northeast Quarter of the Southeast Quarter (NE $\frac{1}{4}$ SE $\frac{1}{4}$ ) of Section Number Thirty-Six (36), in Township Number Nineteen (19) North, of Range Number Eleven (11) West, more particularly described as follows, to-wit:- Commencing at a point in the East line of Lot Number Four (4), which is the Northeast Quarter of the Southeast Quarter (NE $\frac{1}{4}$ SE $\frac{1}{4}$ ) of the aforesaid Section Number Thirty-Six (36), Township and Range aforesaid, 780 feet South from the Northeast Corner of said Lot, thence running North 68 degrees 30 minutes West 179 feet, thence running South 29 degrees 30 minutes West 184 feet to the North right-of-way of State Trunk Highway Number 35, thence running along said highway Number 35 South 65 degrees 30 minutes East 294.5 feet to the East line of the above Lot Number Four (4) thence North along said East line 208.5 feet to the point of beginning, containing 1.1 acre more or less. No variation to magnetic bearing.

ALSO:

A tract or parcel of land in Lot Number Three (3), which is the North West Quarter of the South West Quarter (NW $\frac{1}{4}$ SW $\frac{1}{4}$ ) of Section Number Thirty-one (31), in Township Nineteen (19) North, of Range Number Ten (10) West, more particularly described as follows, to-wit:- Commencing at a point on the West line of Lot Number Three (3) which is the North West Quarter of the South West Quarter (NW $\frac{1}{4}$ SW $\frac{1}{4}$ ) of the aforesaid Section Number Thirty-one (31), Township and Range aforesaid, 780 feet South from the Northwest Corner of said Lot, thence running South 68 degrees 30 minutes East 150 feet, thence running due South 208.5 feet to the North right-of-way of State Trunk Highway Number 35, thence running along said highway Number 35 North 65 degrees 30 minutes West 150 feet to the West line of above Lot Number Three (3), thence North along said West line 208.5 feet to the point of beginning, containing .71 (71/100) acres more or less. No variation to magnetic bearing.

ALSO:

Part of the South East Quarter of the South East Quarter, of Section Number Thirty-one (31), in Township Number Nineteen (19) North, of Range Number Ten (10) West, of the Fourth Principal Meridian more particularly described as follows, to-wit:- Beginning at a point N. 55 degrees 50' West 13.62 chains from the Southeast Corner of said Section Number Thirty-one (31) and on the North line of the right-of-way of the Chicago and Northwestern Railway Company, thence due North 82 and  $\frac{1}{2}$  links to the center line of the Winona and Oronville Road, thence due West 79 links, thence S. 71 degrees 30' West 103 links, thence S. 6 degrees East 52 links to the North line of the right-of-way of the Chicago and Northwestern Railway Company, thence Easterly along said right-of-way 170 links to the place of beginning, containing  $\frac{4}{100}$  of an acre, more or less.

204497

Document Number

Groundwater Use and  
Deed Restriction

Document Title

VOL. 296 PAGE 751

REGISTER OF DEEDS

BUFFALO COUNTY, WIS. } SS.

Received for Record the 13  
day of March A.D. 2001 at 3:00

o'clock P. M. and recorded by  
Vol. 296 of Books Page 751  
Donna J. Carothers  
REGISTRAR

Recording Area

14.00 Ac.

Name and Return Address

Cecil Pebler  
PO Box 69  
Dodge WI 54625

RECEIVED

APR - 2 2001

DNH-WCH

Parcel Identification Number (PIN)

This information must be completed by submitter: document title, name & return address, and PIN (if required). Other information such as the granting clauses, legal description, etc. may be placed on this first page of the document or may be placed on additional pages of the document. Note: Use of this cover page adds one page to your document and \$2.00 to the recording fee. Wisconsin Statutes, 59.43(2m) WRDA 10/99

204497

Document Number

GROUNDWATER USE AND DEED RESTRICTION

VOL. 296 PAGE 758

Declaration of Restrictions

In Re:

A tract or parcel of land in Lot Number Four (4), which is Northeast Quarter of the Southeast Quarter (NE1/4 SE1/4) of Section Number Thirty-Six (36), in Township Number Nineteen (19) North, of Range Number Eleven (11) West, more particularly described as follows, to-wit: Commencing at a point in the East line of Lot Number Four (4), which is the Northeast Quarter of the Southeast Quarter (NE1/4 SE1/4) of the aforesaid Section Number Thirty-Six (36), Township and Range aforesaid, 788 feet South from the Northeast Corner of said Lot, thence running North 68 degrees 30 minutes West 179 feet, thence running South 29 degrees 30 minutes West 184 feet to the North right of way of State Trunk Highway Number 35, thence running along said Highway Number 35 South 65 degrees 30 minutes East 294.5 feet to the East line of the above Lot Number Four (4), thence North along the said East line 208.5 feet to the point of beginning, containing 1.1 acre more or less. No variation to magnetic bearing.

A tract or parcel of land in Lot Number Three (3), which is the Northwest Quarter of the Southwest Quarter (NW1/4 SW1/4) of Section Number Thirty-one (31), in Township Nineteen (19) North, of Range Number Ten (10) West, more particularly described as follows, to-wit: Commencing at a point on the West line of Lot Number Three (3) which is the Northwest Quarter of the Southwest Quarter (NW1/4 SW 1/4) of the aforesaid Number Thirty-one (31), Township and Range aforesaid, 788 feet South from the Northwest Corner of said Lot, thence running South 68 degrees 30 minutes East 150 feet, thence running due South 208.5 feet to the North right of way of State Trunk Highway Number 35, thence running along said highway Number 35 North 65 degrees, 30 minutes West 150 feet to the West line of above Lot Number Three (3), thence North along said West line 208.5 feet to the point of beginning, containing 0.71 (71/100) acres more or less, no variation to magnetic bearing.

ALSO:

Part of the Southeast Quarter of the Southeast Quarter (SE1/4 SE 1/4) of Section Number Thirty-One (31) in Township Nineteen (19) North of Range Number Ten (10) West of the Fourth Principal Meridian more particularly described as follows, to-wit:- Beginning at a point North 55 degrees 50 minutes West 13.62 chains from the Southeast Corner of said Section Number Thirty-One (31) and on the North Line of the Right-of-Way of the Chicago and Northwestern Railway Company, thence due North 82 and 1/2 links to the center line of the Winona and Galesville Road, thence due West 79 links, thence South 71 degrees 30 minutes West 103 links, thence South 6 degrees East 52 links to the North Line of the Right-of-Way of the Chicago and Northwestern Railway Company, thence Easterly along said Right-of-Way 178 links to the place of beginning, containing 4/100 of an acre, more or less.

Recording Area

Name and Return Address

STATE OF WISCONSIN )
) ss
COUNTY OF BUFFALO )

6-546-0000
6-595-0000
6-968-0000

Parcel Identification Numbers (PIN)

WHEREAS, Cyril J. Pehler is the owner of the above-described property.

WHEREAS, groundwater contaminated with one or more gasoline discharges is present at this property: Benzene at 1,200 parts per billion (ppb), ethylbenzene at 2,000 ppb, toluene at 6,400 ppb, trimethylbenzenes at 3,590 ppb, and naphthalene at 600 ppb existed in groundwater in April 2000 between 21 and 31 feet depth on this property at the gasoline dispenser island and gasoline storage tank locations shown on the attached Figure 1 which is hereby made a part of this restriction.

WHEREAS, soil and bedrock contaminated with one or more gasoline discharges is present at this property: Gasoline Range Organics at 9,900 parts per million (ppm), benzene at 31 ppm, ethylbenzene at 84 ppm, toluene at 490 ppm, and xylenes at 870 ppm existed in soil and bedrock in April 1995 between 0.5 and 21 feet depth at the gasoline dispenser island and gasoline storage tank locations shown on the attached Figure 1 which is hereby made part of this restriction.

204497

WHEREAS, it is the desire and intention of the property owner to impose on the property restrictions which will make it unnecessary to conduct additional 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. Admin. Code groundwater standards within the boundaries of this property.

WHEREAS, construction of wells where the water quality exceeds the drinking water standards in ch. NR 809 Wis. Admin. Code is restricted by ch. NR 811 and ch. NR 812 Wis. Admin. 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 limitation 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 or reconstructed on this property unless applicable requirements are met.

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

The existing concrete pavement over the affected areas serves as a barrier to prevent direct contact with the soil. Therefore, the following activities are prohibited on that portion of the property described above where the concrete cap exists, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources or its successor or assign: (1) Excavating or grading of the land surface; (2) Filling on the capped area; (3) Plowing for agricultural cultivation; and (4) Construction or installation of a building or other structure with a foundation that would sit on or be placed within the cap or cover. In addition, the cap or cover shall be maintained in compliance with a plan prepared and submitted to the Wisconsin Department of Natural Resources by a responsible party, as required by section NR 724.13(2) Wis. Admin. Code (1997).

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 benefits and is enforceable by, the Wisconsin Department of Natural Resources, its successors and assigns. The Department, its successors or 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 the property described above may request that the Wisconsin Department of Natural Resources or its successor issue a determination that the restrictions set forth in this covenant are no longer required. Upon further 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 can be extinguished, an affidavit, with a copy of the Department's written determination, may be recorded to give notice that this groundwater use restriction is no longer binding.

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 13 day of March, 2001.

Signature: Cyril J. Pehler

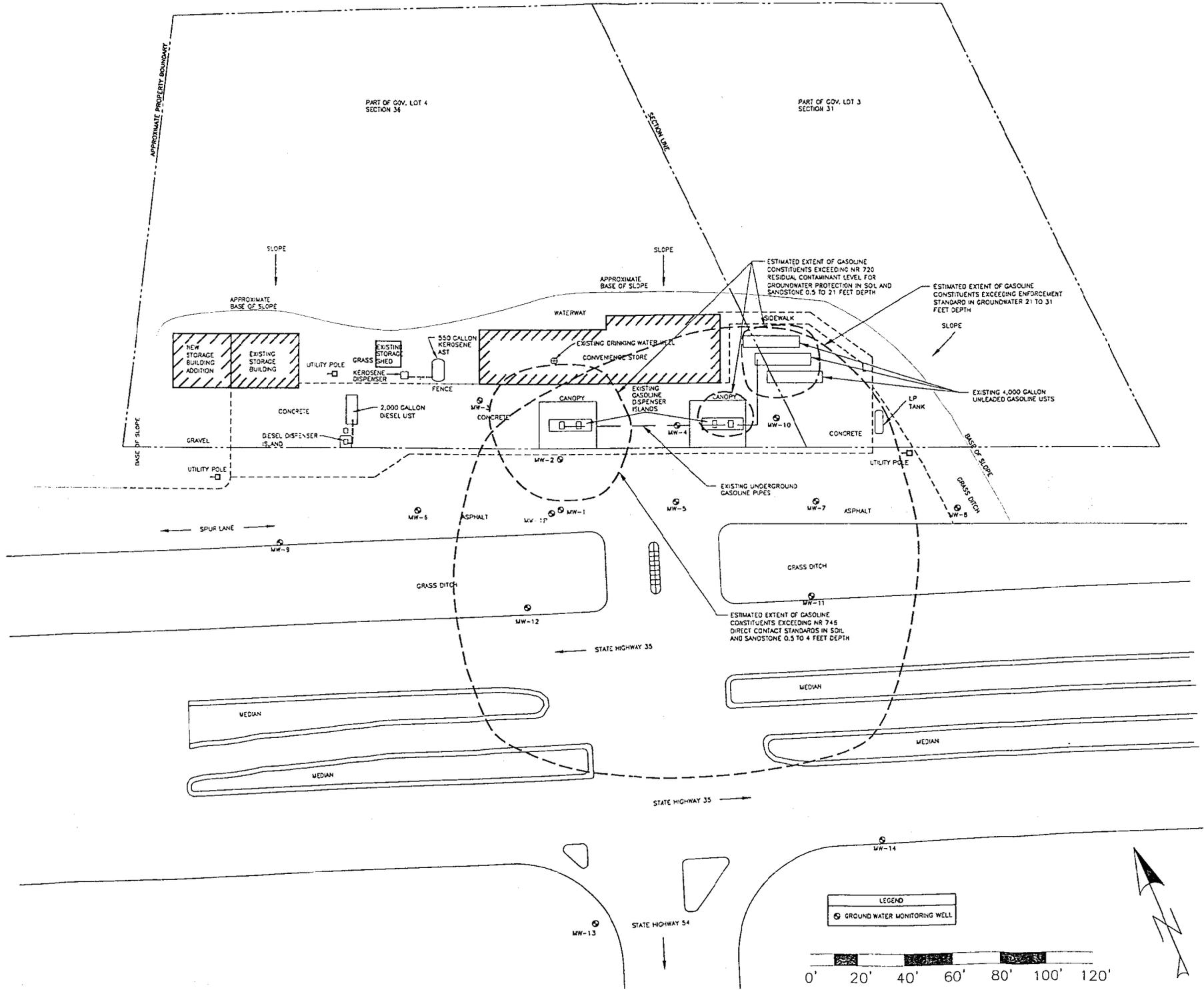
Printed Name: Cyril J. Pehler

Subscribed and sworn to before me this 13 day of March, 2001.

Kathryn A. Brommer  
Notary Public, State of Wisconsin  
My commission expires: 1/30/2005



This document was drafted by Michaels Engineering, Inc. based on information provided by the Wisconsin Department of Natural Resources.





# MICHAELS ENGINEERING INC.

WF

811 MONITOR ■ BOX 2377 ■ LA CROSSE, WI 54602-2377 ■ (608) 785-1900 ■ FAX (608) 784-2270

December 7, 2000

[www.michaelsengineering.com](http://www.michaelsengineering.com)

Wisconsin Department of Transportation  
3550 Mormon Coulee Road  
La Crosse, Wisconsin 54601

REFERENCE:

Notification of Petroleum Compounds in Soil and Groundwater  
Highway Right-of-Way Near Bluff Siding Spur Station Property, W502 Spur Lane, Bluff Siding, WI  
MEI No.: B6395AGE

Dear DOT:

On behalf of Dodge Oil & Gas Company, owner of the property located at W502 Spur Lane, Bluff Siding, Wisconsin, I am writing to notify you of the following information.

Leaking gasoline underground storage tanks were formerly located at the W502 Spur Lane Property. As a result, gasoline compounds remain in soil, bedrock, and groundwater south of the property, in the right of way. The petroleum compounds are in soil and bedrock between 0.5 and 21 feet below ground surface, and in groundwater between approximately 21 and 50 below ground surface. See the enclosed maps for the locations of the affected soil, bedrock, and groundwater.

Regulatory oversight for this property is provided by Wisconsin Department of Natural Resources. The Department considers that no further investigation or remedial action is necessary.

Investigation of site conditions indicates that the petroleum compounds do not pose a threat, based on the following conditions:

1. The affected soil is capped by the existing asphalt of the service road (Spur Lane).
2. The affected groundwater is more than 20 feet below ground surface.

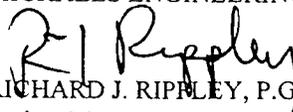
If future activities are proposed in the affected mediums, then the Department of Natural Resources should be notified in advance.

Note that all groundwater monitoring wells in the right-of-way have been closed and sealed according to DNR requirements.

Please call me at (608) 785-1900 if you have any questions or comments regarding this matter.

Sincerely,

MICHAELS ENGINEERING, INC.

  
RICHARD J. RIPPLEY, P.G.  
Project Manager

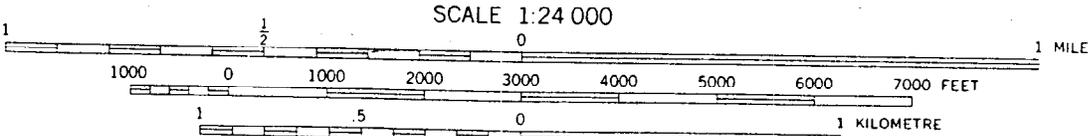
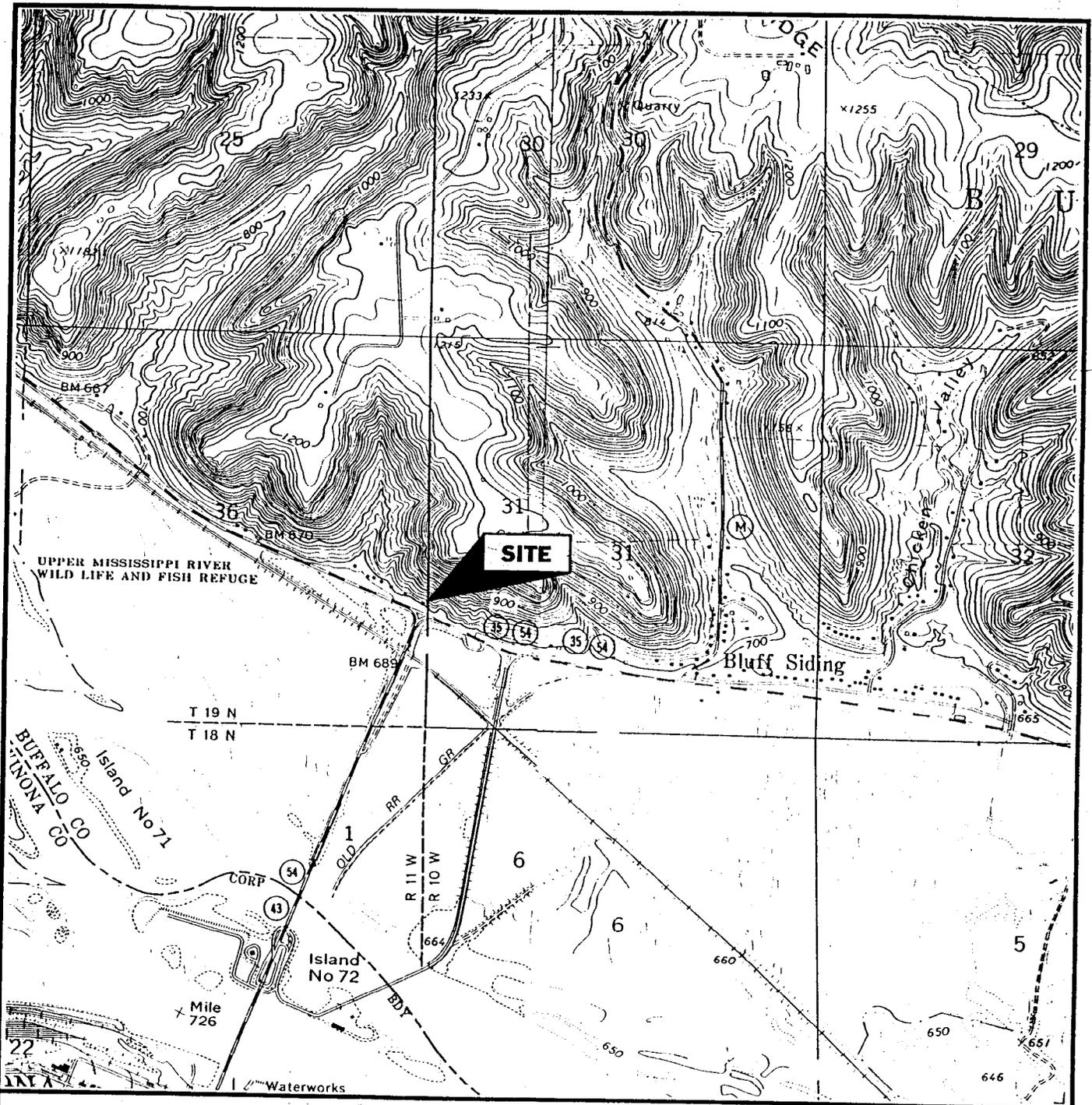
Enclosure: Site Location Map, Site Plan

c: Cyril J. Pehler – Dodge Oil & Gas Company

RECEIVED

APR - 2 2001

DNR-WCH



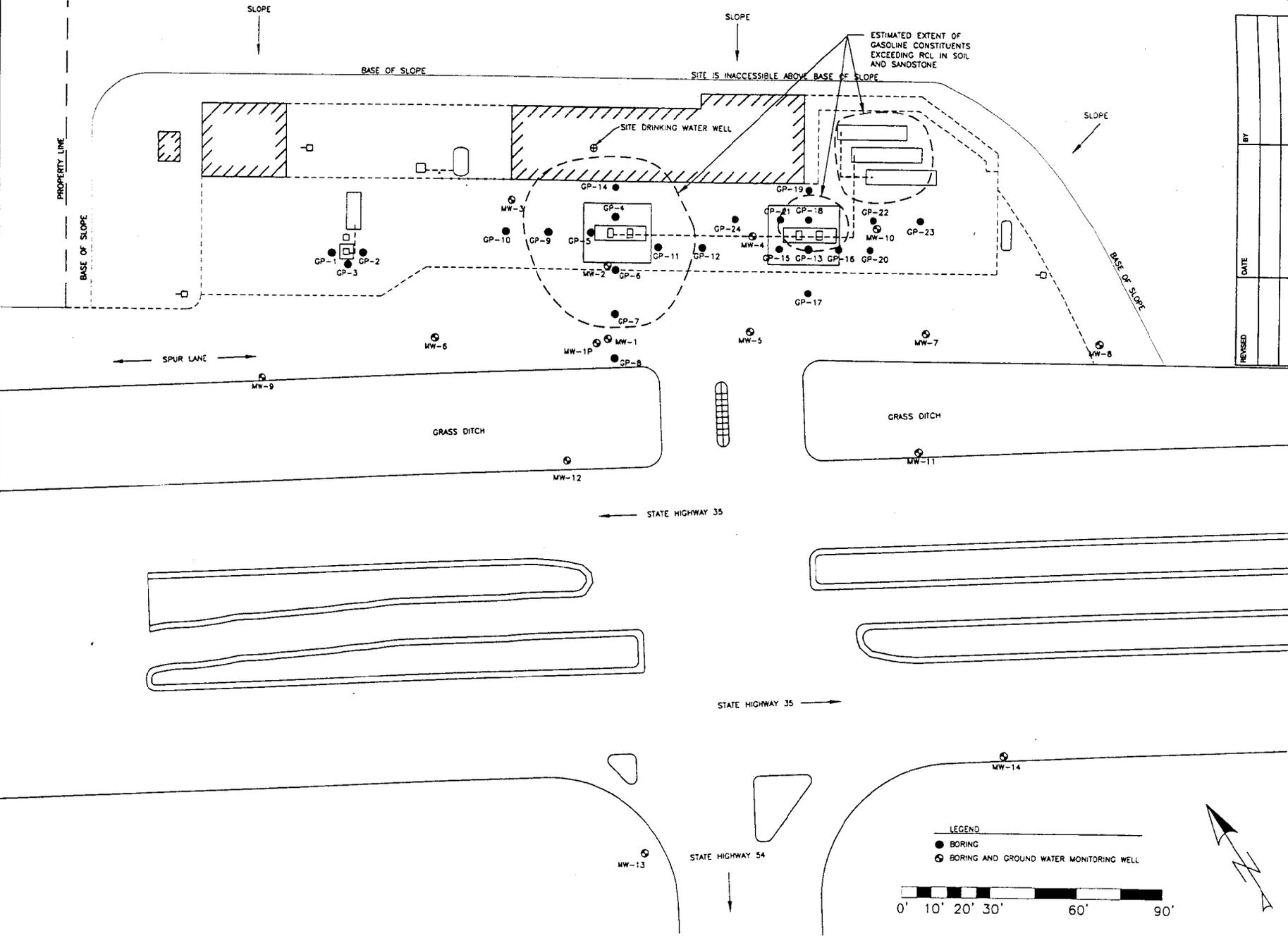
CONTOUR INTERVAL 20 FEET

WINONA WEST QUADRANGLE  
 MINNESOTA-WISCONSIN  
 7.5 MINUTE SERIES (TOPOGRAPHIC)  
 REVISED 1993



**MEE** MICHAELS ENVIRONMENTAL ENGINEERING INC.

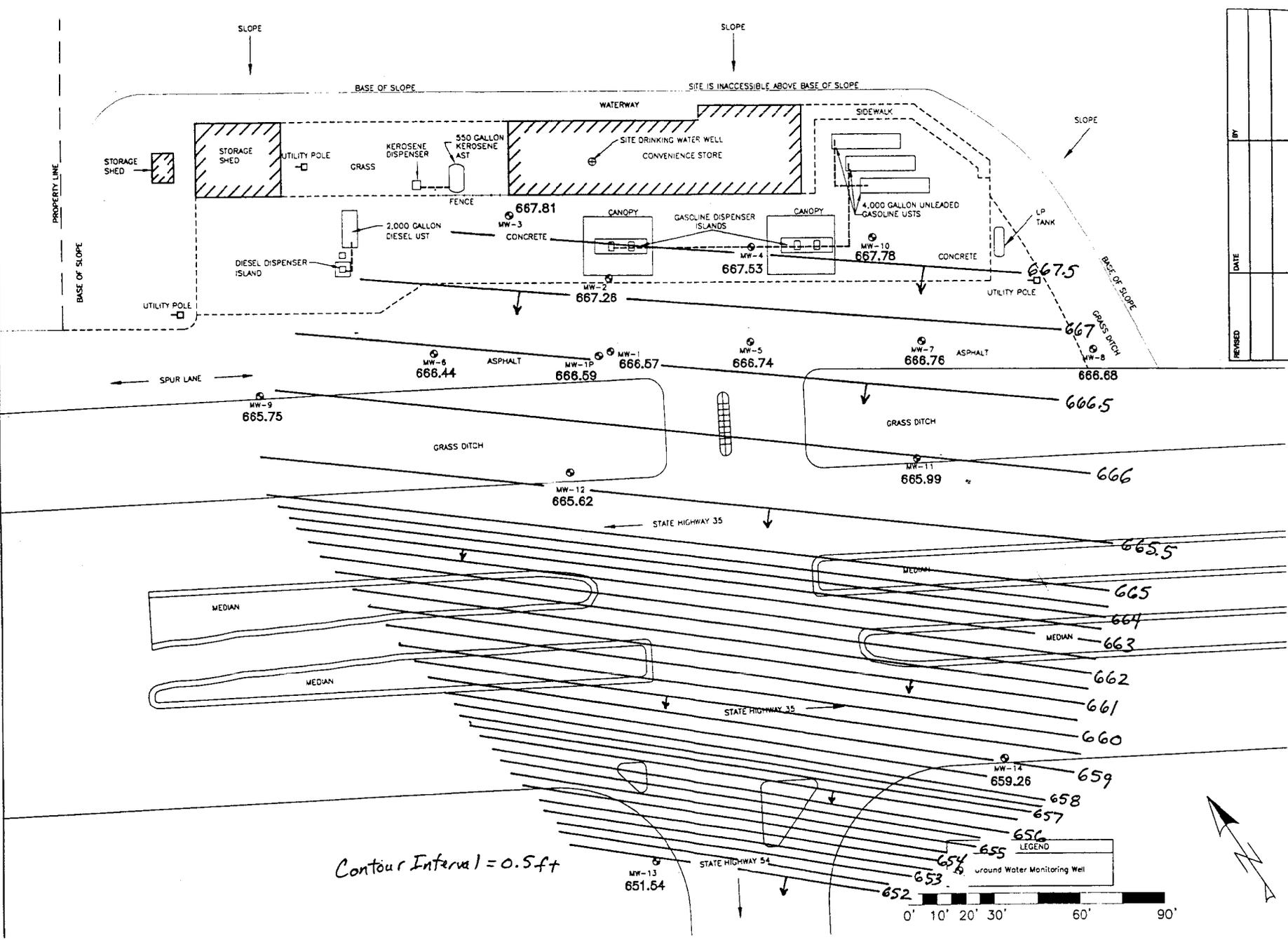
**FIGURE 1**  
 SITE LOCATION MAP  
 BLUFFSIDING SPUR  
 W502 SPUR LANE  
 FOUNTAIN CITY, WISCONSIN 54629  
 MEE PROJECT NO.: B6395AAE



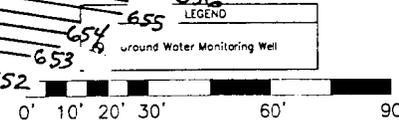
|          |      |    |          |      |
|----------|------|----|----------|------|
| REVISION | DATE | BY | DESIGNED | WFO  |
|          |      |    | DRAWN    | SKS  |
|          |      |    | CHECKED  | KJS  |
|          |      |    | APPROVED | DATE |
|          |      |    |          | DATE |

**MICHAELS ENVIRONMENTAL ENGINEERING**  
 Monitor 900 Box 2377 Lo Cross Wisconsin 54602-2377  
 PHONE: 608 785-1900 FAX: 608 784-2270  
 9305 West National Avenue West Allis Wisconsin 53227  
 PHONE: 414 941-0500 FAX: 414 941-0777

BLUFF SIDING SPUR STATION  
 W502 SPUR LANE, FOUNTAIN CITY, WI  
 EXTENT OF PETROLEUM CONSTITUENTS IN SOIL  
 AND SANDSTONE ABOVE WATER TABLE  
 PROJECT NO.  
**B6395AEE**  
**FIG. / 0**



Contour Interval = 0.5 ft



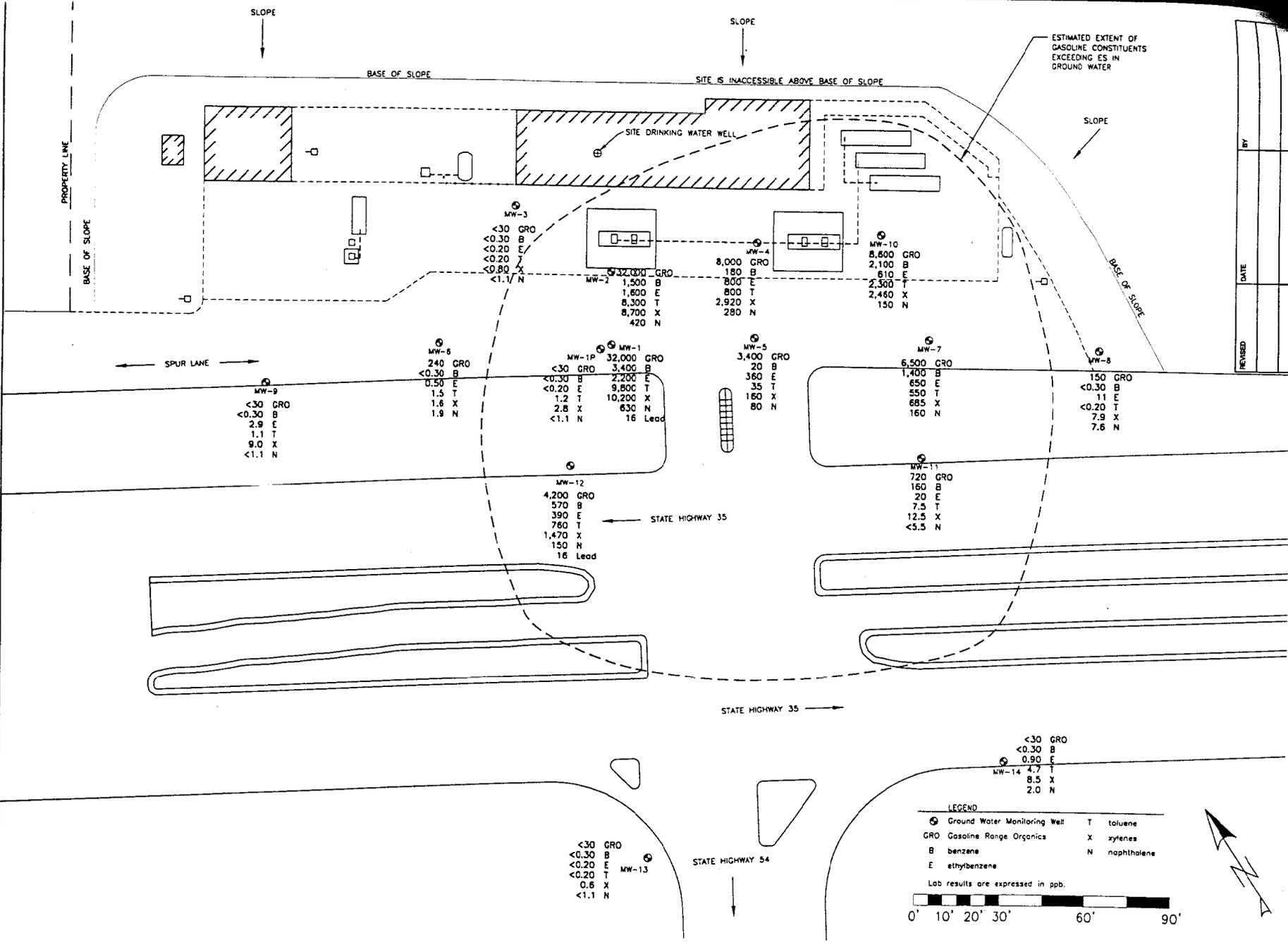
|          |      |    |
|----------|------|----|
| REVISION | DATE | BY |
|          |      |    |
|          |      |    |
|          |      |    |

**MICHAELS ENGINEERING, INC.**  
 811 Monitor  
 Box 2377, Lo Cross, Wisconsin 54602-2377  
 PHONE: 608 785-1900 FAX: 608 784-2270

BLUFF SIDING SPUR STATION  
 W502 SPUR LANE, FOUNTAIN CITY, WI  
 WATER TABLE ELEVATION MAP - 2/18/99

PROJECT #  
**B6395AFE**

**FIG. 2**



**LEGEND**

- ⊕ Ground Water Monitoring Well
- GRO Gasoline Range Organics
- B benzene
- E ethylbenzene
- T toluene
- X xylenes
- N naphthalene

Lab results are expressed in ppb.



DESIGNED: [ ]  
 DRAWN: [ ]  
 CHECKED: [ ]  
 APPROVED: [ ]  
 DATE: [ ]

REVISIONS:

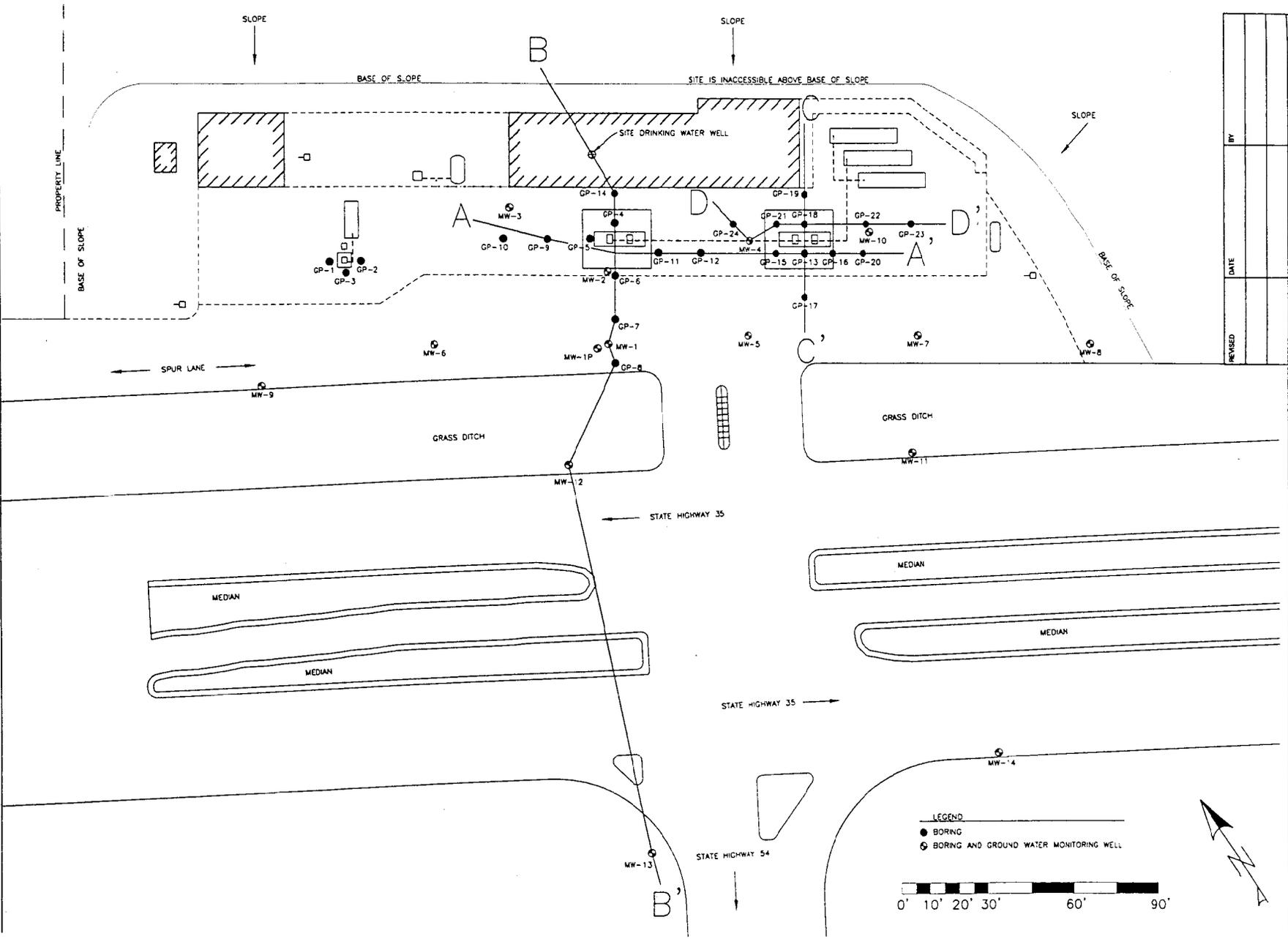
| NO. | DATE | BY |
|-----|------|----|
|     |      |    |

**MICHAELS ENVIRONMENTAL ENGINEERING**  
 Monitor 900 Box 2377 La Crosse Wisconsin 54602-2377  
 608-785-1900 FAX: 608-764-2270  
 8305 West Walnut Mills Wisconsin 53127  
 PHONE: 414-541-0000 FAX: 414-541-5227

BLUFF SIDING SPUR STATION  
 W502 SPUR LANE, FOUNTAIN CITY, WI  
 EXTENT OF PETROLEUM CONSTITUENTS  
 IN GROUND WATER - August 1997 Results

PROJECT NO:  
**B6395AEE**

**FIG. 11**



|          |                |
|----------|----------------|
| DESIGNED | WRS            |
| DRAWN    | SMG            |
| CHECKED  | BJK            |
| APPROVED | BJK            |
| DATE     | SEPTEMBER 1997 |

BLUFF SIDING SPUR STATION  
W502 SPUR LANE, FOUNTAIN CITY, WI  
CROSS SECTION ORIENTATION MAP

PROJECT NO.  
B6395AEE

**FIG. 9**

west

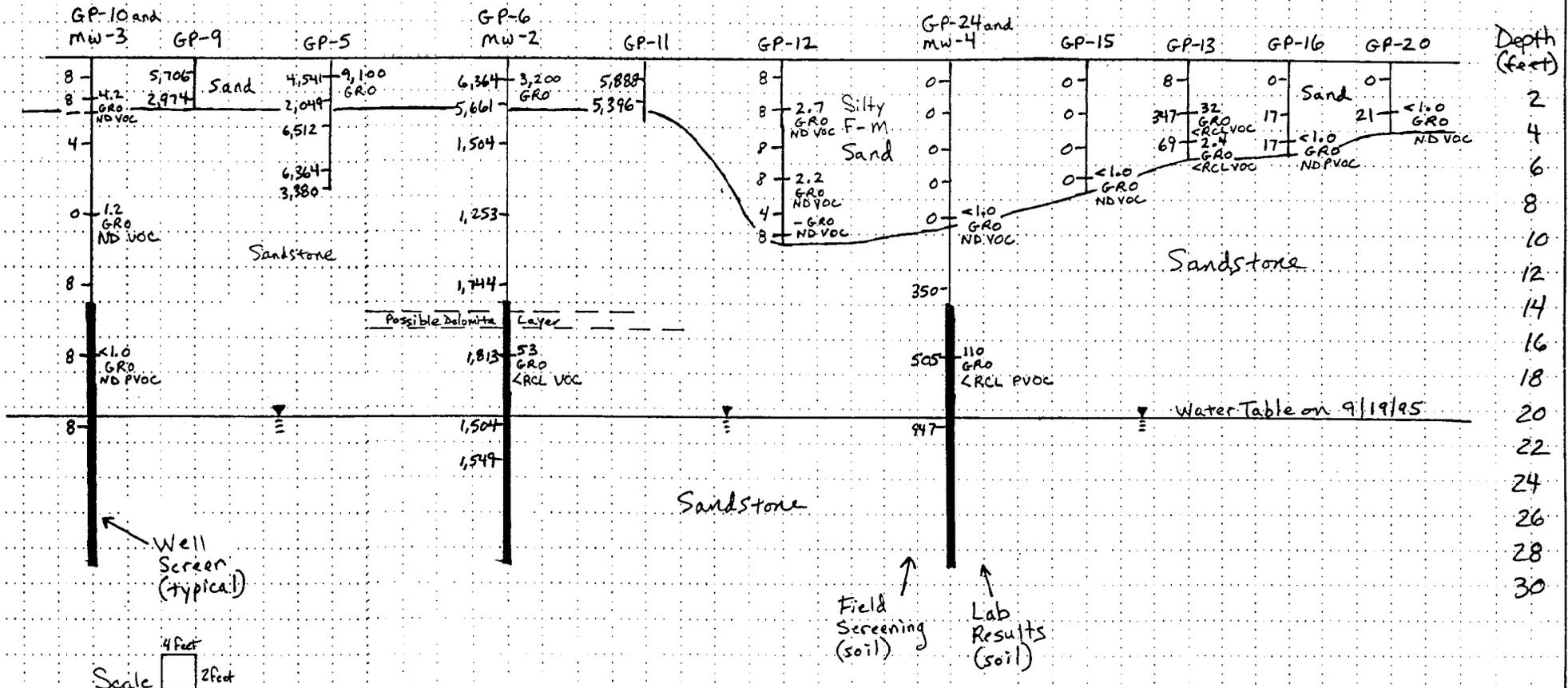
east

A

A'

West Gas Dispenser Island Area

East Gas Dispenser Island Area



Scale 4 feet 2 feet

RCL = Residual Contaminant Level

Well Screen (typical)

Field Screening (soil) Lab Results (soil)

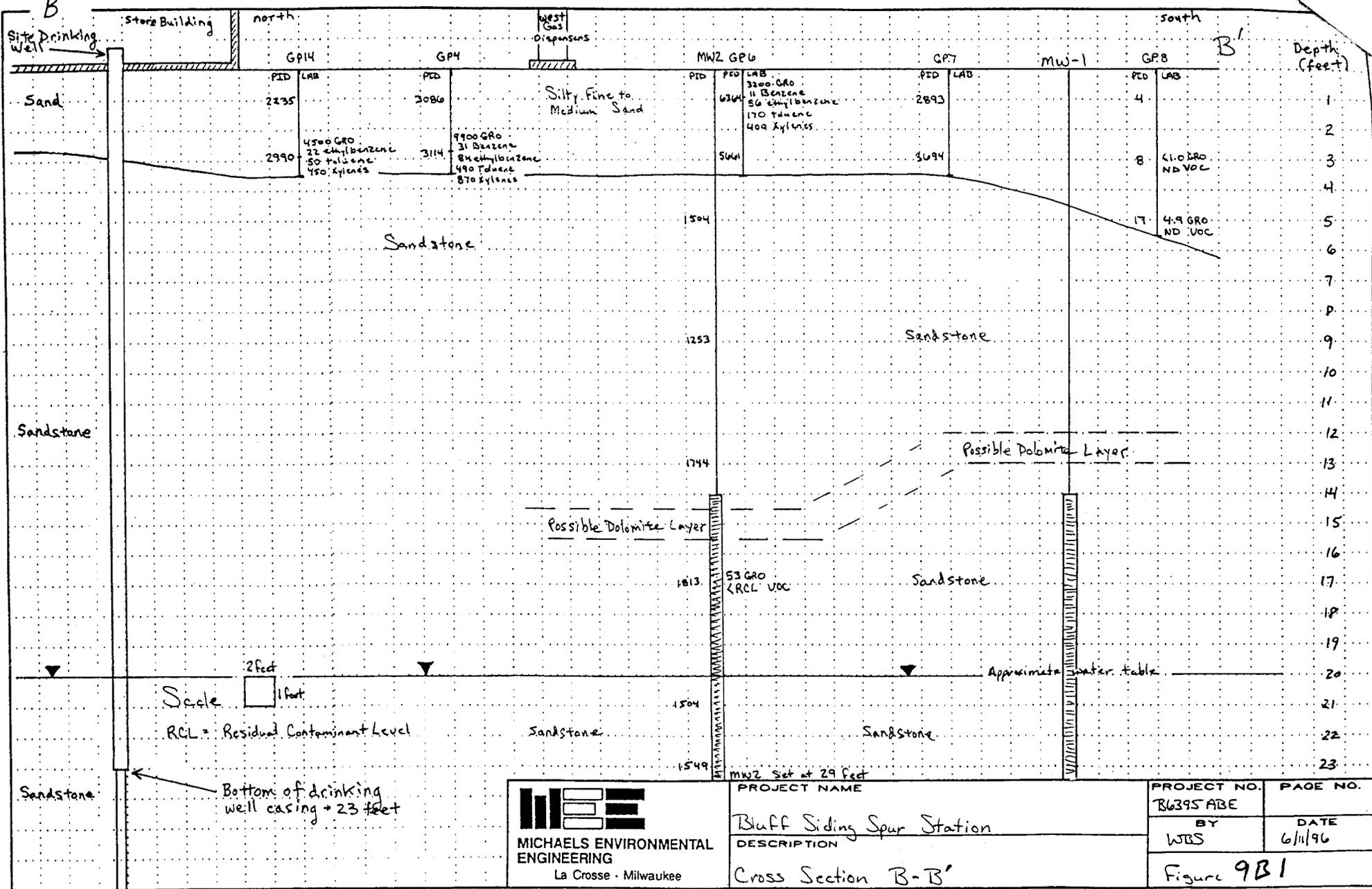


MICHAELS ENGINEERING INC  
LaCrosse - Milwaukee

PROJECT NAME  
Bluff Siding Spur Station Site Investigation  
Fountain City, WI

DESCRIPTION  
Cross Section A-A' Sampling Results

|                         |               |
|-------------------------|---------------|
| PROJECT NO.<br>86395ABE | PAGE NO.      |
| BY<br>RJR               | DATE<br>10/95 |
| Figure 9A               |               |

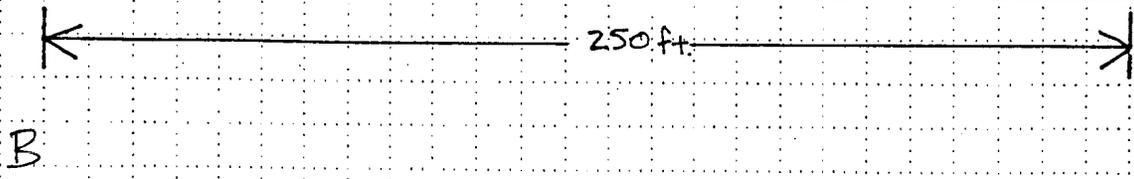


**MICHAELS ENVIRONMENTAL ENGINEERING**  
La Crosse - Milwaukee

PROJECT NAME  
Bluff Siding Spur Station

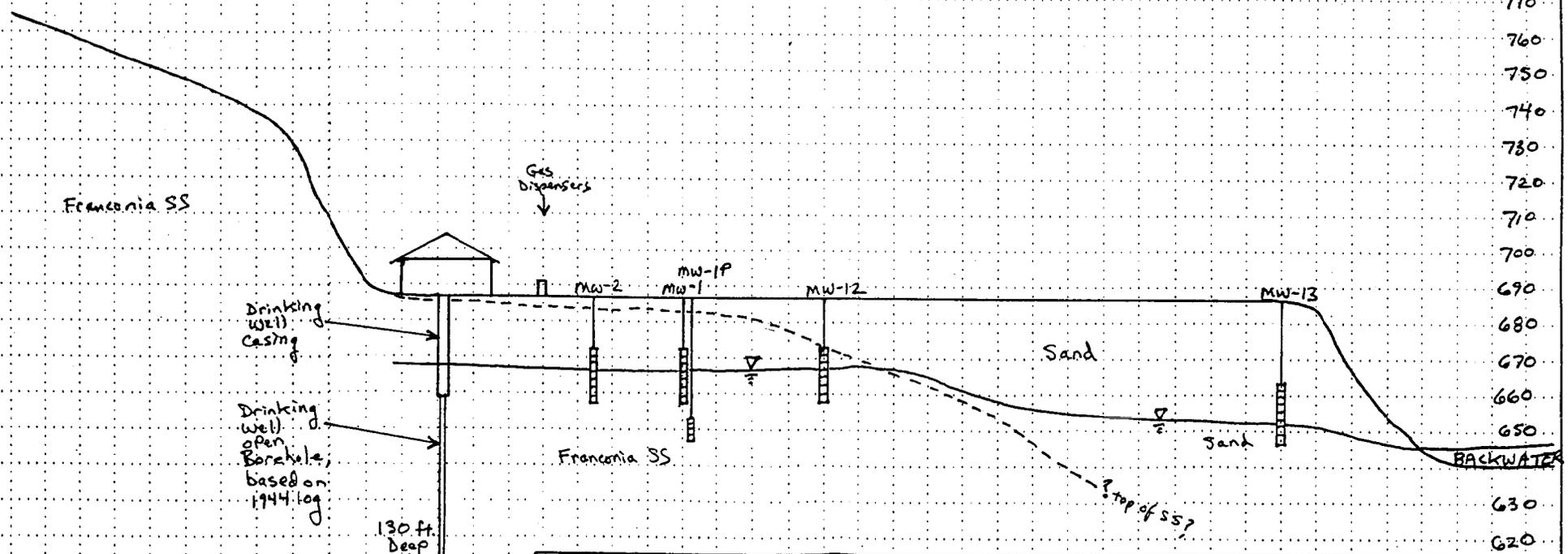
DESCRIPTION  
Cross Section B-B'

|                          |                 |
|--------------------------|-----------------|
| PROJECT NO.<br>B6395 ABE | PAGE NO.        |
| BY<br>WBS                | DATE<br>6/11/96 |
| Figure 9B1               |                 |



Elevation  
(feet msl)

800  
790  
780  
770  
760  
750  
740  
730  
720  
710  
700  
690  
680  
670  
660  
650  
630  
620



**MICHAELS ENVIRONMENTAL  
ENGINEERING**  
La Crosse - Milwaukee

PROJECT NAME  
*Bluff Siding Spur Station*

DESCRIPTION  
*Cross Section B-B'*

|                                |                     |
|--------------------------------|---------------------|
| PROJECT NO.<br><i>B6395AEE</i> | PAGE NO.            |
| BY<br><i>RJR</i>               | DATE<br><i>8/97</i> |
| <i>Figure 9B2</i>              |                     |

Table 1. Page 1 of 3

MONITORING WELL WATER ANALYTICAL RESULTS  
BLUFF SIDING SPUR STATION, BLUFF SIDING, WI

|   | MW-1   | MW-1P | MW-2   | MW-3  | MW-4   | MW-5   | MW-6  | MW-7  | MW-8  | MW-9  | MW-10 | MW-11 | MW-12 | MW-13 | MW-14 |
|---|--------|-------|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <b>Gasoline Range Organics (No ES or PAL)</b>       |        |       |        |       |        |        |       |       |       |       |       |       |       |       |       |
| 9/19/95   | 27,000 | -     | 40,000 | 400   | 13,000 | 11,000 | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| 4/11/96   | 54,800 | -     | 37,900 | 144   | 11,500 | 6,450  | 1,510 | 8,260 | 765   | 738   | -     | -     | -     | -     | -     |
| 8/97  | 32,000 | <30   | 32,000 | <30   | 8,000  | 3,400  | 240   | 6,500 | 150   | <30   | 8,600 | 720   | 4,200 | <30   | <30   |
| <b>Benzene (ES 5.0 ppb, PAL 0.5 ppb)</b>            |        |       |        |       |        |        |       |       |       |       |       |       |       |       |       |
| 9/19/95   | 3,000  | -     | 2,900  | 2.0   | 250    | 150    | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| 4/11/96   | 2,400  | -     | 3,000  | 0.2   | 306    | 150    | 0.5   | 1,400 | 1.2   | <0.2  | -     | -     | -     | -     | -     |
| 8/97  | 3,400  | <0.30 | 1,500  | <0.30 | 180    | 20     | <0.30 | 1,400 | <0.30 | <0.30 | 2,100 | 160   | 570   | <0.30 | <0.30 |
| 10/98   | 3,100  | <0.30 | 1,000  | <0.30 | 70     | 20     | <0.30 | 700   | <0.30 | 6.6   | 1,600 | 8.3   | 280   | <0.30 | <0.30 |
| 2/99  | -      | <0.27 | 830    | <0.27 | 92     | 27     | <0.27 | 220   | <0.27 | <0.27 | 330   | 1.5   | 620   | <0.27 | <0.27 |
| 1/00  | 430    | -     | 440    | -     | -      | -      | -     | 72    | -     | -     | 260   | 1.3   | 37    | <0.10 | -     |
| 2/00  | -      | -     | -      | -     | -      | -      | -     | -     | -     | -     | -     | -     | -     | -     | <0.10 |
| 4/00  | 610    | -     | 1,200  | <0.50 | 82     | 17     | -     | 80    | -     | -     | 600   | 0.56  | 52    | <0.50 | <0.50 |
| <b>Ethylbenzene (ES 700 ppb, PAL 140 ppb)</b>       |        |       |        |       |        |        |       |       |       |       |       |       |       |       |       |
| 9/19/95   | 1,600  | -     | 1,900  | <0.2  | 830    | 520    | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| 4/11/96   | 2,440  | -     | 2,010  | 0.2   | 1,080  | 540    | 0.7   | 551   | 45    | 0.5   | -     | -     | -     | -     | -     |
| 8/97  | 2,200  | <0.20 | 1,600  | <0.20 | 800    | 360    | 0.50  | 650   | 11    | 2.9   | 610   | 20    | 390   | <0.20 | 0.90  |
| 10/98   | 3,200  | <0.20 | 1,700  | <0.20 | 840    | 420    | <0.20 | 1,000 | 39    | 0.50  | 900   | 1.2   | 210   | <0.20 | <0.20 |
| 2/99  | -      | <0.32 | 1,800  | <0.32 | 800    | 260    | <0.32 | 740   | 0.52  | <0.32 | 330   | 5.6   | 690   | <0.32 | <0.32 |
| 1/00  | 1,200  | -     | 1,300  | -     | -      | -      | -     | 600   | -     | -     | 460   | 1.2   | 48    | <0.10 | -     |
| 2/00  | -      | -     | -      | -     | -      | -      | -     | -     | -     | -     | -     | -     | -     | -     | 0.82  |
| 4/00  | 1,100  | <0.50 | 2,000  | <0.50 | 1,000  | 250    | -     | 890   | -     | -     | 630   | 2.4   | 68    | <0.50 | 2.7   |
| <b>Toluene (ES 1,000 ppb, PAL 200 ppb)</b>          |        |       |        |       |        |        |       |       |       |       |       |       |       |       |       |
| 9/19/95   | 8,000  | -     | 15,000 | 1.6   | 1,800  | 440    | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| 4/11/96   | 10,900 | -     | 7,780  | <0.2  | 354    | 49     | 3.0   | 364   | 8.0   | 1.8   | -     | -     | -     | -     | -     |
| 8/97  | 9,800  | 1.2   | 8,300  | <0.20 | 800    | 35     | 1.5   | 550   | <0.20 | 1.1   | 2,300 | 7.5   | 760   | <0.20 | 4.7   |
| 10/98   | 13,000 | <0.20 | 5,200  | <0.20 | 590    | 110    | 1.3   | 1,400 | <0.20 | <0.20 | 1,600 | 0.30  | <5.0  | <0.20 | <0.20 |
| 2/99  | -      | <0.27 | 5,200  | <0.27 | 470    | 88     | <0.27 | 550   | <0.27 | <0.27 | 320   | <0.27 | 99    | <0.27 | 0.64  |
| 1/00  | 2,100  | -     | 2,500  | -     | -      | -      | -     | 450   | -     | -     | 130   | 1.6   | 4.5   | <0.10 | -     |
| 2/00  | -      | -     | -      | -     | -      | -      | -     | -     | -     | -     | -     | -     | -     | -     | 2.1   |
| 4/00  | 2,400  | <0.50 | 6,400  | <0.50 | 620    | 51     | -     | 510   | -     | -     | 150   | <0.50 | 16    | <0.50 | 1.3   |
| <b>Total Xylenes (ES 10,000 ppb, PAL 1,000 ppb)</b> |        |       |        |       |        |        |       |       |       |       |       |       |       |       |       |
| 9/19/95   | 8,000  | -     | 11,500 | <0.6  | 3,710  | 670    | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| 4/11/96   | 11,930 | -     | 8,330  | 0.5   | 2,475  | 327    | 1.1   | 790   | 115.9 | 1.1   | -     | -     | -     | -     | -     |
| 8/97  | 10,200 | 2.8   | 8,700  | <0.80 | 2,920  | 160    | 1.6   | 685   | 7.9   | 9.0   | 2,460 | 12.5  | 1,470 | 0.6   | 8.5   |
| 10/98   | 15,400 | <0.80 | 8,600  | <0.80 | 3,320  | 250    | <0.80 | 2,000 | 36    | <0.80 | 2,300 | <0.80 | 550   | <0.80 | <0.80 |
| 2/99  | -      | <0.67 | 8,500  | <0.67 | 2,720  | 178    | <0.67 | 1,170 | <0.67 | <0.67 | 600   | 3.28  | 1,670 | <0.67 | <0.67 |
| 1/00  | 4,670  | -     | 5,400  | -     | -      | -      | -     | 1,240 | -     | -     | 499   | 2.23  | 137   | <0.40 | -     |
| 2/00  | -      | -     | -      | -     | -      | -      | -     | -     | -     | -     | -     | -     | -     | -     | 2.5   |
| 4/00  | 4,460  | <1.50 | 9,200  | <1.50 | 3,490  | 110    | -     | 1,920 | -     | -     | 494   | <1.50 | 175   | <1.50 | 6.07  |

35' d-g  
of W. disp.

near  
west  
dispens.

up -  
grad

near  
east  
dispens.

down-gr.

side

near  
side-gr.

side -  
gr.

side gr

near down  
gr. tank  
basin

down gr  
tank basin

far down -  
gr.



MONITORING WELL WATER ANALYTICAL RESULTS  
BLUFF SIDING SPUR STATION, BLUFF SIDING, WI

|   | MW-1  | MW-1P | MW-2  | MW-3  | MW-4  | MW-5  | MW-6  | MW-7  | MW-8  | MW-9  | MW-10 | MW-11 | MW-12 | MW-13 | MW-14 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <b>Total Trimethylbenzenes (ES 480 ppb, PAL 96 ppb)</b>     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 9/19/95   | 2,130 | -     | 1,900 | 0.3   | 1,400 | 1,030 | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| 4/11/96   | 3,163 | -     | 2,567 | 1.2   | 1,152 | 834   | 18.1  | 570   | 109   | 4.8   | -     | -     | -     | -     | -     |
| 8/97  | 3,070 | 0.60  | 2,530 | <0.90 | 970   | 610   | 10.0  | 540   | 30.3  | 5.10  | 530   | 16    | 640   | <0.90 | 3.60  |
| 10/98   | 4,800 | <0.90 | 3,740 | <0.90 | 1,000 | 950   | 1.9   | 1,140 | 194   | <0.90 | 1,070 | 3.1   | 382   | <0.90 | <0.90 |
| 2/99  | -     | <0.49 | 4,250 | <0.49 | 900   | 610   | 0.88  | 820   | 2.8   | <0.49 | 288   | 16    | 900   | <0.49 | <0.49 |
| 1/00  | 2,130 | -     | 2,360 | -     | -     | -     | -     | 750   | -     | -     | 450   | 3.2   | 56    | <0.20 | -     |
| 2/00  | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | 0.44  |
| 4/00  | 2,270 | <1.0  | 3,590 | <1.0  | 960   | 366   | -     | 1,050 | -     | -     | 550   | 2.8   | 48    | <1.0  | <1.0  |
| <b>Methyl Tert-Butyl Ether (ES 60 ppb, PAL 12 ppb)</b>      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 9/19/95   | <50   | -     | <100  | <0.2  | <20   | <2.0  | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| 4/11/96   | <20   | -     | <20   | <0.2  | <4.0  | <2.0  | <0.2  | 44    | <0.2  | <0.2  | -     | -     | -     | -     | -     |
| 8/97  | <20   | <0.20 | <20   | <0.20 | <10   | <10   | <0.20 | <10   | <0.20 | <0.20 | <20   | <1.0  | <20   | <0.20 | 0.20  |
| 10/98   | <100  | <0.20 | <40   | <0.20 | <20   | <5.0  | <0.20 | <10   | <0.20 | <0.20 | <10   | <0.20 | <5.0  | <0.20 | <0.20 |
| 2/99  | -     | <0.32 | <16   | <0.32 | <6.4  | <3.2  | <0.32 | <3.2  | <0.32 | <0.32 | <1.6  | <0.32 | <3.2  | <0.32 | 0.33  |
| 1/00  | <10   | -     | <20   | -     | -     | -     | -     | <2.0  | -     | -     | <2.0  | <0.10 | <2.2  | <0.10 | -     |
| 2/00  | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | <0.10 |
| 4/00  | <110  | <0.30 | <60   | <0.30 | <15   | 4.8   | -     | <15   | -     | -     | 12    | <0.30 | <55   | <0.30 | <0.30 |
| <b>1,2-Dibromoethane (EDB) (ES 0.05 ppb, PAL 0.005 ppb)</b> |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 9/19/95   | 22    | -     | <20   | <0.2  | <10   | <2.0  | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| 4/11/96   | -     | -     | -     | -     | -     | -     | <0.2  | <5.0  | <0.2  | <0.2  | -     | -     | -     | -     | -     |
| 8/97  | <40   | <0.40 | <40   | <0.40 | <20   | <20   | <0.40 | <20   | <0.40 | <0.40 | <40   | <2.0  | <40   | <0.40 | <0.40 |
| 10/98   | <150  | <0.40 | <80   | <0.40 | <40   | <10   | <0.40 | <20   | <0.40 | <0.40 | <20   | <0.40 | <10   | <0.40 | <0.40 |
| 2/99  | -     | <0.39 | <20   | <0.39 | <7.8  | <3.9  | <0.39 | <3.9  | <0.39 | <0.39 | <1.9  | <0.39 | <3.9  | <0.39 | <0.39 |
| 1/00  | 2.9   | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | <0.60 | -     | -     |
| 4/00  | <30   | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| <b>1,2-Dichloroethane (ES 5 ppb, PAL 0.5 ppb)</b>           |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 9/19/95   | <20   | -     | <20   | <0.2  | <10   | <2.0  | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| 4/11/96   | -     | -     | -     | -     | -     | -     | <0.2  | <5.0  | <0.2  | <0.2  | -     | -     | -     | -     | -     |
| 8/97  | <20   | <0.20 | <20   | <0.20 | <10   | <10   | <0.20 | <10   | <0.20 | <0.20 | <20   | <1.0  | <20   | <0.20 | <0.20 |
| 10/98   | <100  | <0.20 | <40   | <0.20 | <20   | <5.0  | <0.20 | <10   | <0.20 | <0.20 | <10   | <0.20 | <5.0  | 1.2   | <0.20 |
| 2/99  | -     | <0.37 | <18   | <0.37 | <7.4  | <3.7  | <0.37 | <3.7  | <0.37 | <0.37 | <1.8  | <0.37 | <3.7  | <0.37 | <0.37 |



MONITORING WELL WATER ANALYTICAL RESULTS  
BLUFF SIDING SPUR STATION, BLUFF SIDING, WI

|  | MW-1 | MW-1P | MW-2 | MW-3  | MW-4 | MW-5 | MW-6  | MW-7  | MW-8  | MW-9  | MW-10 | MW-11 | MW-12 | MW-13 | MW-14 |
|--|------|-------|------|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <b>Naphthalene</b> (ES 40 ppb, PAL 8 ppb)      |      |       |      |       |      |      |       |       |       |       |       |       |       |       |       |
| 9/19/95  | 170  | -     | <150 | <0.2  | 100  | 140  | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| 4/11/96  | -    | -     | -    | -     | -    | -    | 0.8   | 100   | 26    | <0.3  | -     | -     | -     | -     | -     |
| 8/97   | 630  | <1.1  | 420  | <1.1  | 280  | 80   | 1.9   | 160   | 7.6   | <1.1  | 150   | <5.5  | 150   | <1.1  | 2.0   |
| 10/98  | 850  | <1.1  | 820  | <1.1  | 190  | 100  | <1.1  | 370   | 39    | <1.1  | 300   | <1.1  | 65    | <1.1  | <1.1  |
| 2/99   | -    | <0.35 | 590  | <0.35 | 180  | 45   | <0.35 | 270   | <0.35 | <0.35 | 90    | 0.39  | 180   | <0.35 | <0.35 |
| 1/00   | 250  | -     | 300  | -     | -    | -    | -     | 200   | -     | -     | 72    | -     | 4.1   | -     | -     |
| 4/00   | 300  | -     | 600  | -     | 210  | 23   | -     | 270   | -     | -     | 89    | -     | <35   | -     | -     |
| <b>Dissolved Lead</b> (ES 15 ppb, PAL 1.5 ppb) |      |       |      |       |      |      |       |       |       |       |       |       |       |       |       |
| 9/19/95  | 10   | -     | 9    | <1    | 2    | 1    | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| 4/11/96  | -    | -     | -    | -     | -    | -    | <1    | <1    | <1    | 1     | -     | -     | -     | -     | -     |
| 8/97   | 16   | <1    | 4    | 10    | 2    | <1   | 2     | <1    | <1    | <1    | <1    | <1    | 16    | <1    | <1    |
| 10/98  | 13   | <1    | 28   | -     | 4    | <1   | -     | <1    | 7     | 3     | <1    | 2     | 12    | <1    | <1    |
| 2/99   | 16*  | 2.5*  | 88*  | 59*   | 47*  | 20*  | 27*   | <1.8* | 10*   | 67*   | 5.5*  | 14*   | 40*   | 9.1*  | <1.8* |
| 4/00   | 3.2  | -     | 7.3  | -     | -    | -    | -     | -     | -     | -     | -     | -     | -     | -     | -     |

Laboratory results are expressed in ppb (ug/l)

☐ = exceeds ground water Preventive Action Limit (PAL), per NR 140

■ = exceeds ground water Enforcement Standard (ES), per NR 140

\* = Dissolved Lead Results: The MS recovery for lead was below control limits. It is believed that this failure was due to a matrix effect. The data was accepted because the post spike recovery and LCS recovery were within control limits.

\* = Dissolved Lead Results: Sediment was visible in the filtered samples sent to the laboratory. It is possible that water leaked past the filter elements during field filtering.

