## GIS REGISTRY INFORMATION

**SITE NAME:** Former Wilbert Vault & Concrete Products

**BRRTS #** 03-44-000648 **FID # (if appropriate):**

**COMMERCE #: (if appropriate)** 54501-8260-90

**CLOSURE DATE:** 9/22/06

**STREET ADDRESS:** 4690 South Shore Dr.

**CITY:** Rhinelander

**SOURCE PROPERTY GPS COORDINATES** (meters in WTM91 projection): X= 569125 Y= 573105

**CONTAMINATED MEDIA:** Groundwater ☐ Soil ☐ Both ☒

**OFF-SOURCE CONTAMINATION (>ES):** ☐ Yes ☒ No

**IF YES, STREET ADDRESS 1:**

**GPS COORDINATES** (meters in WTM91 projection): X= Y=

**Off -Source SOIL CONTAMINATION >GENERIC OR SITE-SPECIFIC RCL (SSRCL):** ☐ Yes ☒ No

**IF YES, STREET ADDRESS 1:**

**GPS COORDINATES** (meters in WTM91 projection): X= Y=

**CONTAMINATION IN RIGHT OF WAY:** ☒ Yes ☐ No

**DOCUMENTS NEEDED:**

**Closure Letter, and any conditional closure letter issued** ☒

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

**Certified survey map or relevant portion of the recorded plat map (*if referenced in the legal description*) for all affected properties** ☒

**County Parcel ID number, *if used for county*, for all affected properties** on deed ☒

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

**Detailed Site Map(s) for all affected properties,** showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy) This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ESs and soil contamination exceeding ch. NR 720 generic or SSRCLs. ☒

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

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

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

**GW: Table of water level elevations, with sampling dates, and free product noted if present** on analytical tables ☒

**GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)** ☒

**SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour.** ☒

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

**RP certified statement that legal descriptions are complete and accurate** ☒

**Copies of off-source notification letters (if applicable)** N/A ☐

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

**Copy of (soil or land use) deed restriction(s) or deed notice *if any required as a condition of closure.*** N/A ☐

→ file

# State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

WISCONSIN
DEPT. OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
John Gozdzialski, Regional Director

Northern Region Headquarters
107 Sutliff Ave.
Rhinelander, Wisconsin 54501-3349
Telephone 715-365-8900
FAX 715-365-8932
TTY Access via relay - 711

September 22, 2006

Chester Moore
2895 Boyce Dr.
Rhinelander, WI 54501

SUBJECT: Final Case Closure
Former Wilbert Vault and Concrete Products, Inc., Rhinelander
WDNR BRRTS Activity #: 03-44-000648

Dear Mr. Moore:

On July 26, 2006, the Northern Region Closure Committee reviewed the above referenced case for closure. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. Based on the correspondence and data provided and your consultant's notification that monitoring wells have been abandoned, it appears that your case has been remediated to Department standards in accordance with ch. NR 726.05, Wisconsin Administrative Code (Wis. Adm. Code). The Department considers this case closed and no further investigation or remediation is required at this time.

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

Residual soil contamination exceeding ch. NR 720 Wis. Adm. Code Residual Contaminant Levels remains at 4690 South Shore Drive, Rhinelander, Wisconsin as indicated on the attached Figures 6 and 7 of the Environmental Compliance Consultants, Inc. report. The limited volume of residual soil contamination remaining at the site is located near Geoprobe GP-2. If any of the soil above the water table at the specific locations described above is excavated in the future, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner at the time of excavation will need to determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. If contamination is observed outside of the area identified in Attachment 1 during excavation of soils that material should be sampled, analyzed and properly disposed of. In addition, all current and future owners and

occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken to prevent a direct contact health threat to humans.

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

Section 101.143, Wis. Stats., requires that PECFA claimants seeking reimbursement of interest costs, for sites with petroleum contamination, submit a final reimbursement claim within 120 days after they receive a closure letter on their site. For claims not received by the PECFA Program within 120 days of the date of this letter, interest costs after 60 days of the date of this letter will not be eligible for PECFA reimbursement. If there is equipment purchased with PECFA funds remaining at the site, contact the Commerce PECFA Program to determine the method for salvaging the equipment.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact me at (715) 365-8965.

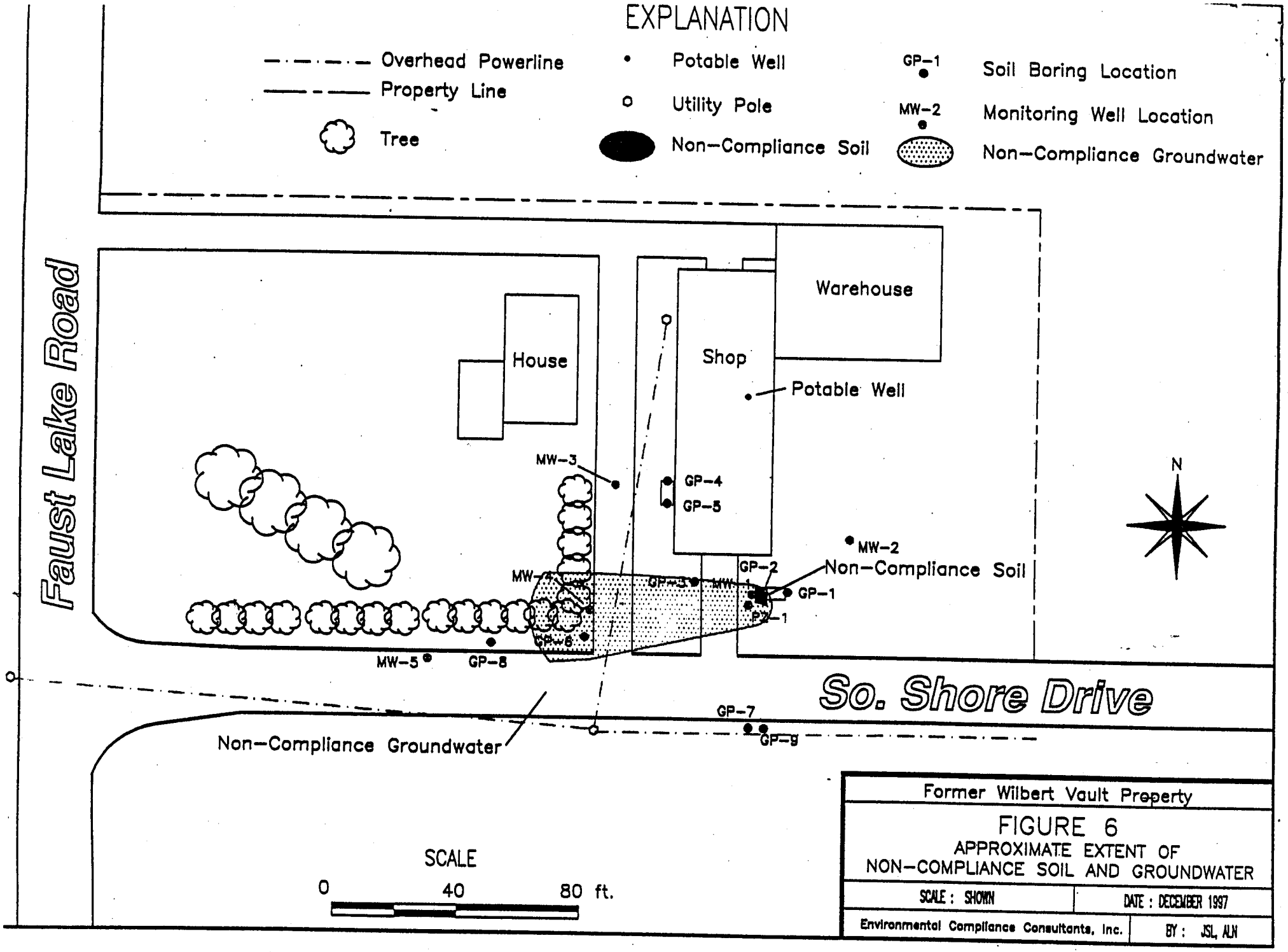
Sincerely,

Charles L. Weister

Charles L. Weister
Remediation & Redevelopment Hydrogeologist

Attachment: ECCI Figures 6 & 7 (Residual Soil Contamination Maps)

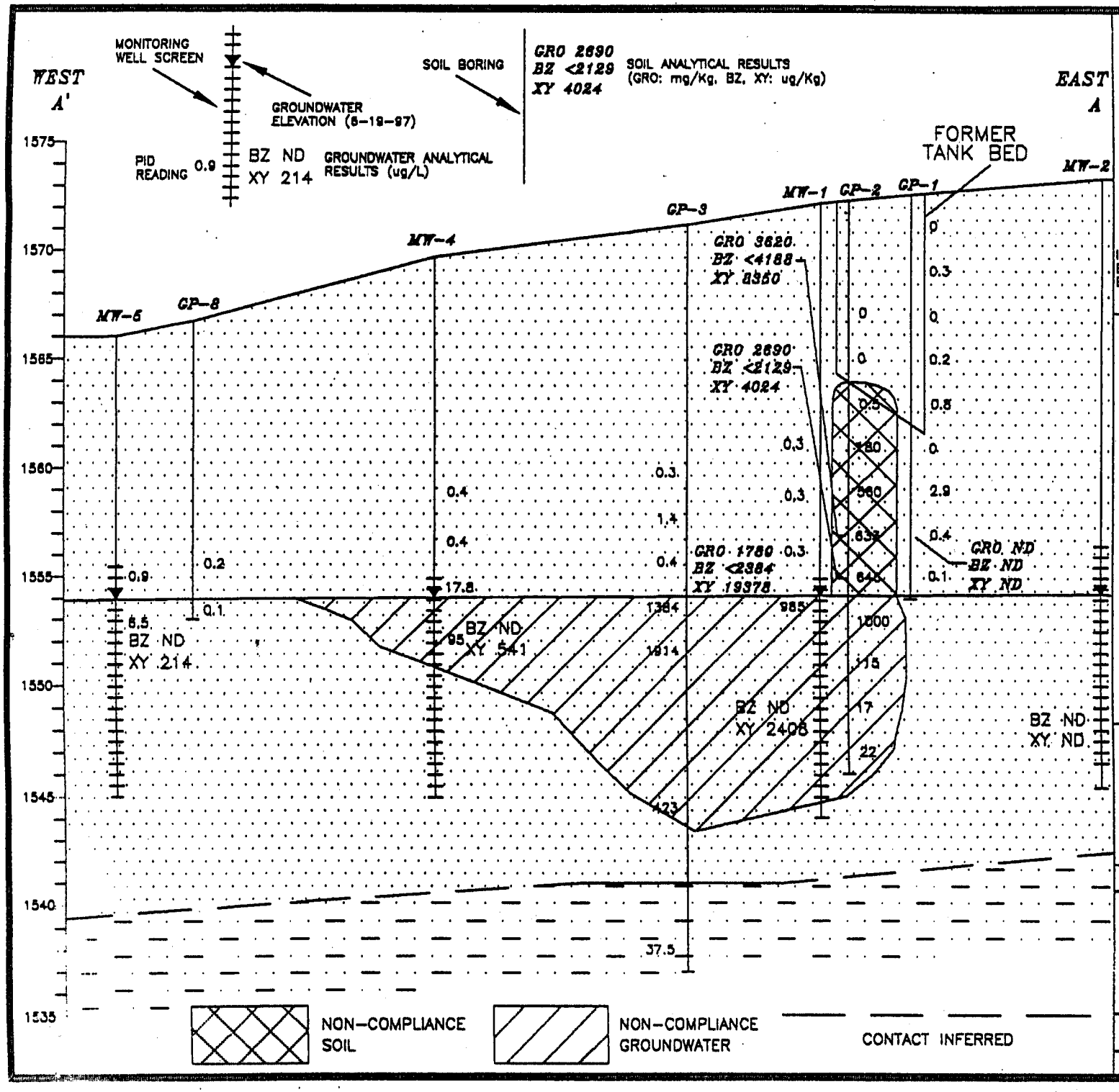
cc: ECCI, P. O. Box 614, Rhinelander, WI 54501
File




Former Wilbert Vault Property

FIGURE 6
APPROXIMATE EXTENT OF
NON-COMPLIANCE SOIL AND GROUNDWATER

| | |
|---|---|
| SCALE : SHOWN | DATE : DECEMBER 1997 |
| Environmental Compliance Consultants, Inc. | BY : JSL, ALN |



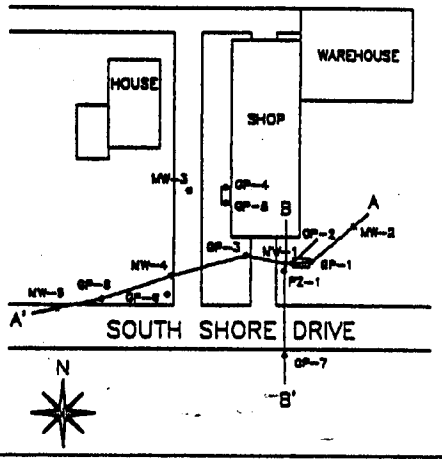

## SOIL EXPLANATION

BROWN, FINE-TO MEDIUM-GRAINED SAND (SP-SW)

GREY, FINE-GRAINED SAND AND SILTY SAND (SM)

INFORMATION BETWEEN BORINGS IS INTERPOLATED BASED UPON AVAILABLE DATA. ACTUAL CONDITIONS BETWEEN BORINGS ARE UNKNOWN.

## LOCATION OF GEOLOGIC CROSS SECTION




## HORIZONTAL SCALE

0 20 40 ft.

VERTICAL SCALE IN FEET ABOVE MEAN SEA LEVEL

Former Wilbert Vault Property

# FIGURE 7

APPROXIMATE EXTENT OF NON-COMPLIANCE SOIL AND GROUNDWATER CROSS SECTION A-A'

NOV 1997 | JSL, ALN, LK

ENVIRONMENTAL COMPLIANCE CONSULTANTS, INC.

STATE BAR OF WISCONSIN FORM 1 - 1982
WARRANTY DEED

DOCUMENT NO.

DOC# 560853
Recorded
OCT. 16, 2002 AT 02:05PM

Thomas H. Leighton

THOMAS H LEIGHTON
RECEIVED
ONEIDA COUNTY, WI
Fee Amount: $11.00
Transfer Fee: $378.00

THIS SPACE RESERVED FOR RECORDING DATA

NAME AND RETURN ADDRESS

TP25355

PR 53 10
PARCEL IDENTIFICATION NUMBER

**This Deed,** made between CHESTER E. MOORE AND GLORIA G. MOORE , HUSBAND AND WIFE, Grantor, and JASON P GERDES, Grantee.

**Witnesseth,** That the said Grantor, for a valuable consideration conveys to Grantee the following described real estate in ONEIDA County, State of Wisconsin:

LANDS DESCRIBED ON CERTIFIED SURVEY MAP PREPARED BY MILO E STEFAN SURVEYOR OF PART OF THE SE¼ OF THE SE¼ OF SECTION 4, TOWNSHIP 36 NORTH RANGE 9 EAST, RECORDED SEPTEMBER 28, 1993 IN VOLUME 6 OF SURVEY MAPS ON PAGE 1610

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

Together with all and singular the hereditaments and appurtenances thereunto belonging:
And warrants that the title is good, indefeasible in fee simple and free and clear of encumbrances except

and will warrant and defend the same.

Dated this 14th day of October, 2002.

Chester E. Moore (SEAL)
CHESTER E. MOORE

Gloria G. Moore (SEAL)
GLORIA G. MOORE

**AUTHENTICATION**

Signature(s)

authenticated this day of , 19

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

THIS INSTRUMENT WAS DRAFTED BY
GARY D. KNUDSON ST BAR NO 1010257
P O BOX 733, RHINELANDER, WI 54501

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

**ACKNOWLEDGMENT**

State of Wisconsin, } ss.
ONEIDA County.
Personally came before me this 14 day of October, 2002 the above named
CHESTER E. MOORE AND GLORIA G. MOORE
to me known to be the person who executed the foregoing instrument and acknowledged the same.

Barb Shovick
Barb Shovick
Notary Public, ONEIDA County, Wis.
My commission is permanent. (If not, state expiration date: 10-27-02, 19)

NOTARY PUBLIC STATE BAR OF WISCONSIN

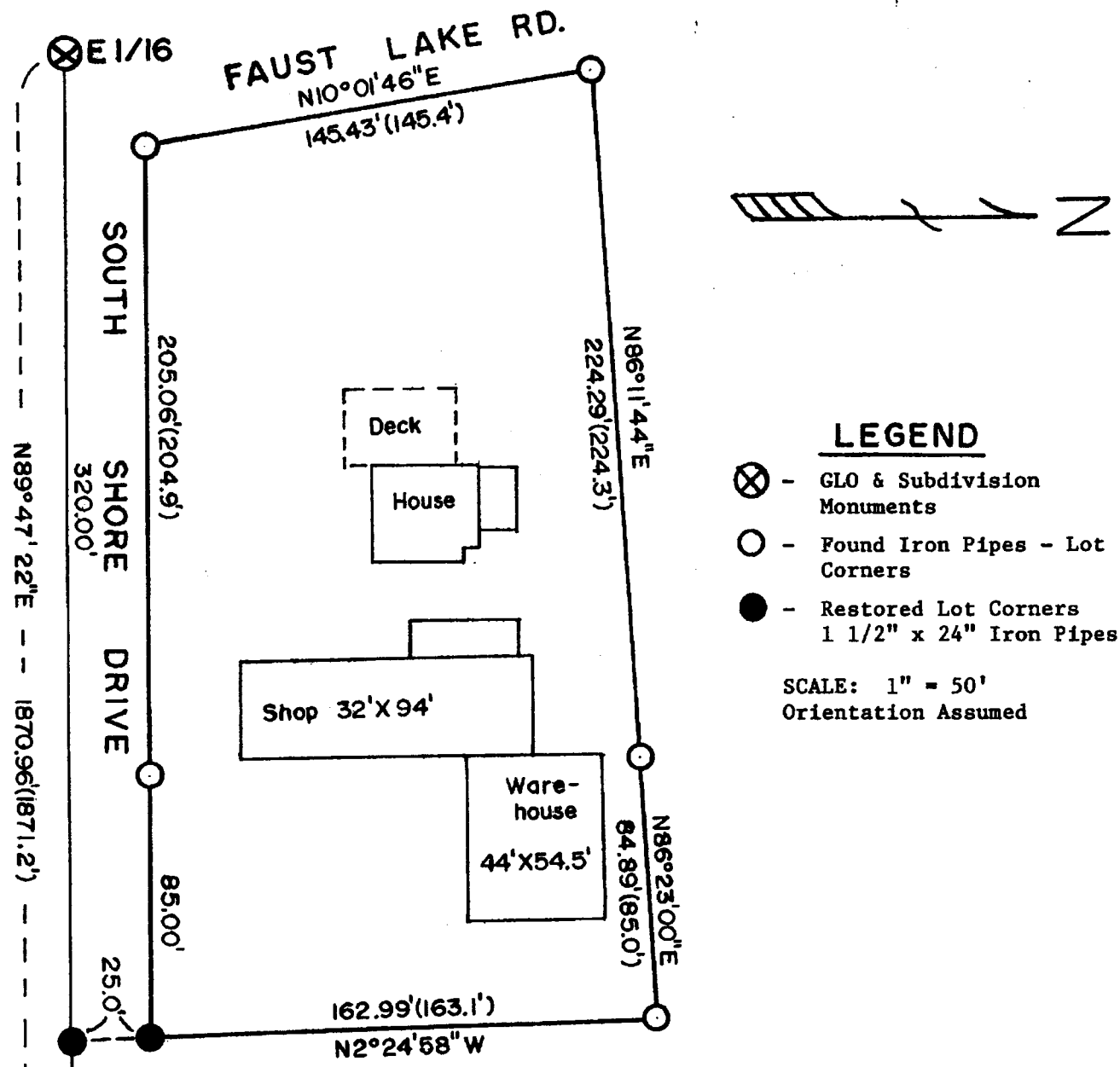
* Name of persons signing in any capacity should be typed or printed below their signature.

WARRANTY DEED

# ONEIDA COUNTY

# CERTIFIED SURVEY MAP NO. 1610

BEING PART OF THE SE¼SE¼ SECTION 4, T.36N., R.9E. 4th P.M.




**Surveyors Affidavit:**

I, Milo E. Stefan, a registered land surveyor (#1558), do hereby certify that I have complied with Chapter 236.34 of the Wisconsin State Statutes and that this plat map is a correct and true representation of the lands surveyed.

Milo E. Stefan — 9/27/93

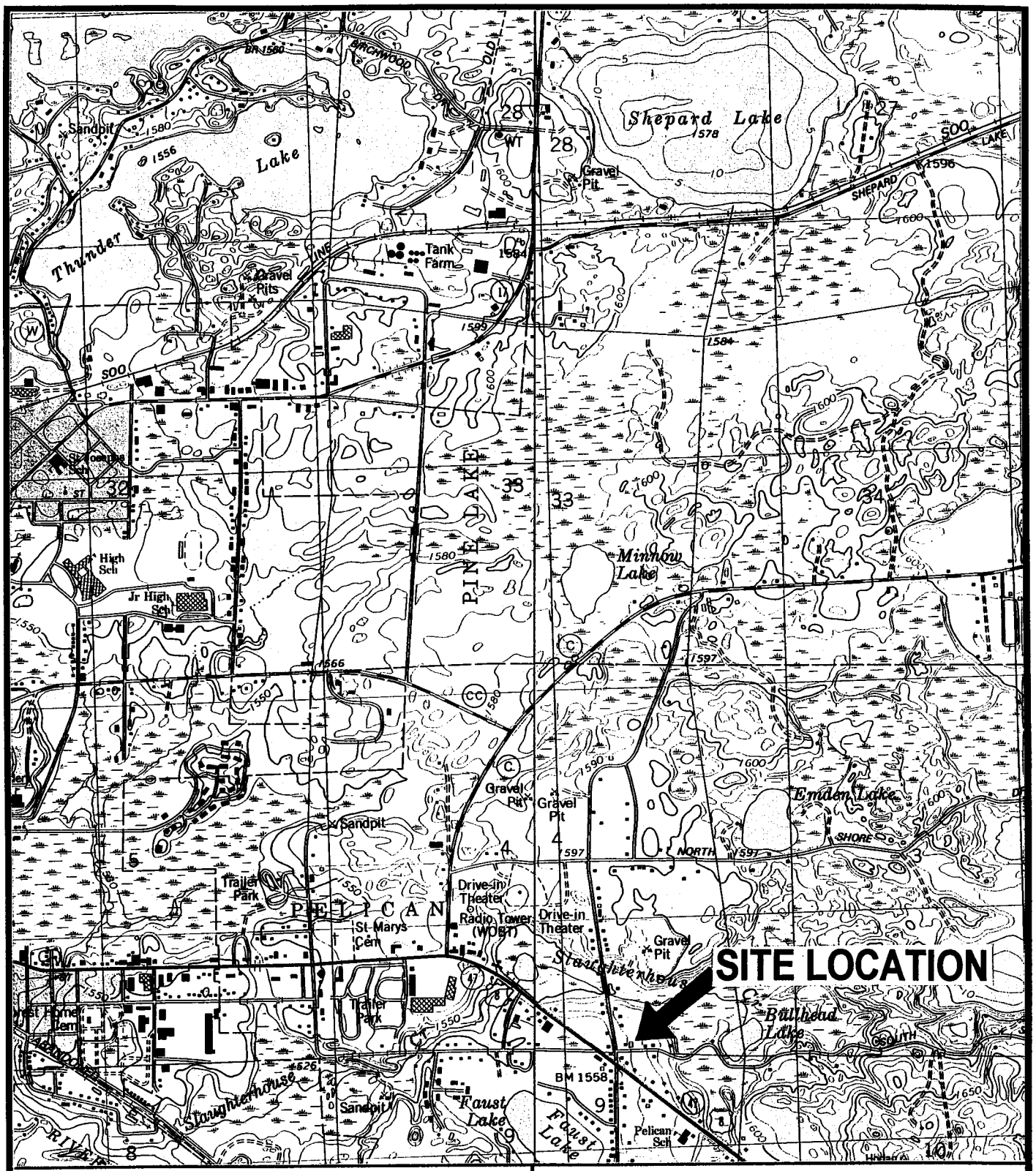
Milo E. Stefan
RLS #1558

Date

WISCONSIN
MILO E. STEFAN
S-1558
RHINELANDER, WIS.
LAND SURVEYOR

9 4
10 3

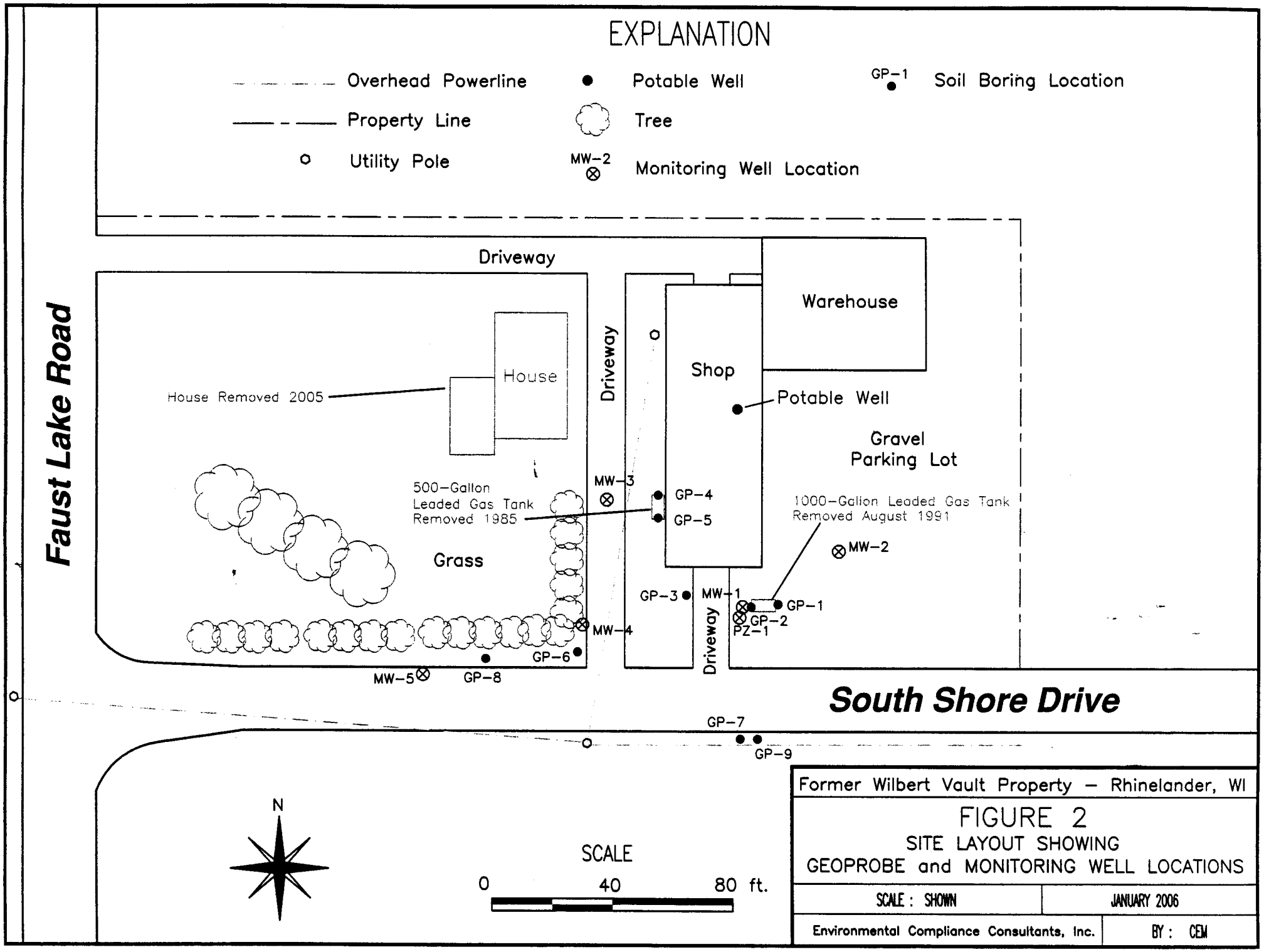
Page 1610




NOTE: Taken from the
Moen Lake, Wis.
7.5 Minute USGS
Topographic Map (1982)

N

| | |
|---|---|
| Former Wilbert Vault and Concrete Products | Rhinelander, WI |
| FIGURE 1<br>SITE LOCATION MAP | |
| SCALE : 1" = 2,000' | April, 1996 |
| Environmental Compliance Consultants, Inc. | BY: J. LYNOTT |


EXPLANATION
Overhead Powerline
Property Line
Utility Pole
Potable Well
Tree
Monitoring Well Location
GP-1
Soil Boring Location
Faust Lake Road
Driveway
House
House Removed 2005
Driveway
Shop
Warehouse
Potable Well
Gravel
Parking Lot
500-Gallon
Leaded Gas Tank
Removed 1985
MW-3
GP-4
GP-5
1000-Gallon Leaded Gas Tank
Removed August 1991
MW-2
Grass
GP-3
MW-1
GP-1
GP-2
PZ-1
MW-4
GP-6
MW-5
GP-8
Driveway
South Shore Drive
GP-7
GP-9
N
SCALE
0
40
80 ft.
Former Wilbert Vault Property – Rhinelander, WI
FIGURE 2
SITE LAYOUT SHOWING
GEOPROBE and MONITORING WELL LOCATIONS
SCALE : SHOWN
JANUARY 2006
Environmental Compliance Consultants, Inc.
BY : CEM

# TABLE MW-1 (PAGE 1 OF 3)

| | |
|---|---|
| **125** | Parameter concentration exceeds the NR 140 ES |
| <2.5 | Parameter analyzed, but not detected, MDL > ES or PAL |
| | Parameter not analyzed |

## GROUNDWATER LABORATORY RESULTS
## WILBERT VAULT AND CONCRETE PRODUCTS

| WELL IDENTIFICATION | MW-1 | | | | | | NR 140 PAL | NR 140 ES |
|---|---|---|---|---|---|---|---|---|
| | NATURAL ATTENUATION MONITORING | | | | | | | |
| Date Sampled | 5/28/02 | DUP | 11/19/02 | DUP | 5/9/03 | DUP | | |
| Analyte | | | | | | | | |
| Lead, Total (µg/L) | **41.1** | | | | | | 1.5 | 15 |
| Methane (µg/L) | | | | | | | | |
| Alkalinity (mg/L) | 35.0 | | | | | | | |
| Total NO3+NO2-N (mg/L) | 1.44 | | | | | | | |
| Iron (mg/L) | 0.936 | | | | | | | |
| Sulfate (mg/L) | 11.8 | | | | | | | |
| Dissolved Oxygen (mg/L) | 0.35 | | | | | | | |
| Groundwater Elevations | 1554.75 | | 1554.31 | | 1554.12 | | | |
| PVOCs* (µg/L) | | | | | | | | |
| Benzene | <6.20 | <3.10 | <25 | <25 | <11 | <22 | 0.5 | 5 |
| Toluene | <6.00 | 3.24 | <26 | <26 | <15 | <30 | 200 | 1000 |
| Ethylbenzene | <10.0 | <5.00 | <25 | <25 | <12 | <24 | 140 | 700 |
| 1,2,4-Trimethylbenzene | **710** | **1090** | **990** | **1100** | **660** | **870** | | |
| 1,3,5-Trimethylbenzene | 304 | **483** | 460 | **530** | 300 | **520** | | |
| Total Trimethylbenzenes | **1014** | **1573** | **1450** | **1630** | **960** | **1390** | 96 | 480 |
| tert-Butyl methyl ether | <6.00 | <3.00 | <25 | <25 | <15 | <30 | 12 | 60 |
| m&p-Xylenes | <12.4 | <6.20 | <59 | <59 | <25 | <49 | | |
| o-Xylene | <6.00 | 19.5 | <25 | <25 | <15 | <30 | | |
| Total Xylenes | <18.4 | <25.70 | <84 | <84 | <40 | <79 | 1000 | 10000 |
| Naphthalene | <16.0 | <8.00 | <25 | <25 | <12 | <23 | 8 | 40 |

MDL: Laboratory Method Detection Limit
NR 140 ES: Wisconsin Administrative Code NR 140 Enforcement Standard
NR 140 PAL: Wisconsin Administrative Code NR 140 Preventive Action Limit
DUP: Duplicate Sample
* Samples were analyzed for PVOCs plus Naphthalene.

# TABLE MW-1 (PAGE 2 OF 3)

| | |
|---|---|
| **125** | Parameter concentration exceeds the NR 140 ES |
| <2.5 | Parameter analyzed, but not detected, MDL > ES or PAL |
| | Parameter not analyzed |

## GROUNDWATER LABORATORY RESULTS
## WILBERT VAULT AND CONCRETE PRODUCTS

| WELL IDENTIFICATION | MW-1 | | | | | | NR 140 PAL | NR 140 ES |
|---|---|---|---|---|---|---|---|---|
| | NATURAL ATTENUATION MONITORING | | | | | | | |
| Date Sampled | 3/2/01* | 6/5/01* | DUP* | 9/27/01* | DUP | 12/7/01* | | |
| Analyte | | | | | | | | |
| Lead, Total (µg/L) | | | | **20** | | | 1.5 | 15 |
| Methane (µg/L) | | | | <7.1 | | | | |
| Alkalinity (mg/L) | | | | 26 | | | | |
| Total NO3+NO2-N (mg/L) | | | | 1.7 | | | | |
| Iron (mg/L) | | | | 1.2 | | | | |
| Sulfate (mg/L) | | | | 12 | | | | |
| Dissolved Oxygen (mg/L) | | | | 0.33 | | | | |
| Groundwater Elevations | 1552.31 | 1553.61 | | 1553.14 | | 1553.10 | | |
| PVOCs (µg/L) | | | | | | | | |
| Benzene | **<25>** | **35** | **6.6** | **7.1** | **8.9** | <0.8 | 0.5 | 5 |
| Toluene | <22 | 21 | 7.0 | 1.1 | 1.5 | 24.8 | 200 | 1000 |
| Ethylbenzene | <23 | 25 | <0.23 | 3.2 | 7.2 | 5.90 | 140 | 700 |
| 1,2,4-Trimethylbenzene | **497** | **933** | **516** | 218** | **533**** | **669** | | |
| 1,3,5-Trimethylbenzene | 210 | 438 | 269 | 108 | 254 | 305 | | |
| Total Trimethylbenzenes | **707** | **1371** | **785** | 326 | **787** | **974** | 96 | 480 |
| tert-Butyl methyl ether | 9.1 | <1.8 | 1.5 | <0.091 | <0.091 | <1.50 | 12 | 60 |
| m&p-Xylenes | <44 | 97 | 29 | 8.0 | 24 | 22.3 | | |
| o-Xylene/Styrene | | | | | | 25.6 | | |
| Total Xylenes | <44 | 97 | 29 | 8.0 | 24 | 47.9 | 1000 | 10000 |
| Naphthalene | <4.3> | **84** | 2.8 | 3.2 | | <4.00 | 8 | 40 |

MDL: Laboratory Method Detection Limit
NR 140 ES: Wisconsin Administrative Code NR 140 Enforcement Standard
NR 140 PAL: Wisconsin Administrative Code NR 140 Preventive Action Limit
DUP: Duplicate Sample
* Samples were analyzed for PVOCs plus Naphthalene.
** Reported result is above the calibration curve.
< > Values represent results greater than the Limit of Detection, but less than the Limit of Quantitation, and are within a region of "Less-Certain Quantitation."

# TABLE MW-2 (PAGE 1 OF 2)

| | |
|---|---|
| 125 | Parameter concentration exceeds the NR 140 ES |
| <2.5 | Parameter analyzed, but not detected, MDL > ES or PAL |
| | Parameter not analyzed |

## GROUNDWATER LABORATORY RESULTS
## WILBERT VAULT AND CONCRETE PRODUCTS

| WELL IDENTIFICATION | MW-2 | | | | | NR 140 PAL | NR 140 ES |
|---|---|---|---|---|---|---|---|
| | NATURAL ATTENUATION MONITORING | | | | | | |
| Date Sampled | 9/27/01 | 12/7/01 | 5/28/02 | 11/19/02* | 5/9/03* | | |
| Analyte | | | | | | | |
| GRO (µg/L) | | | | | | | |
| Lead, Total (µg/L) | <0.73 | | <1.00 | | | 1.5 | 15 |
| Methane (µg/L) | <7.1 | | | | | | |
| Alkalinity (µg/L) | 8.5 | | 20.0 | | | | |
| Total NO3+NO2-N | 2.3 | | 2.20 | | | | |
| Iron (mg/L) | 0.11 | | 0.501 | | | | |
| Sulfate (mg/L) | 10 | | 10.4 | | | | |
| Dissolved Oxygen (mg/L) | 7.21 | | 7.71 | | | | |
| Groundwater Elevations | 1553.28 | 1553.21 | 1554.90 | 1554.44 | 1551.48 | | |
| PVOCs (µg/L) | | | | | | | |
| Benzene | <0.21 | <0.16 | <0.31 | <0.61 | <0.45 | 0.5 | 5 |
| Toluene | <0.22 | <0.4 | <0.3 | <0.64 | <0.61 | 200 | 1000 |
| Ethylbenzene | <0.23 | <0.5 | <0.5 | <0.63 | <0.47 | 140 | 700 |
| 1,2,4-Trimethylbenzene | <0.66> | <0.4 | <0.4 | <0.65 | <0.51 | | |
| 1,3,5-Trimethylbenzene | <0.31> | <0.17 | <0.31 | <0.66 | <0.72 | | |
| Total Trimethylbenzenes | <0.97> | <0.57 | <0.71 | <1.31 | <1.23 | 96 | 480 |
| tert-Butyl methyl ether | <0.091 | <0.3 | <0.3 | <0.62 | <0.60 | 12 | 60 |
| m&p-Xylenes | <0.44 | <0.4 | <0.62 | 1.5 | <0.99 | | |
| o-Xylene | | <0.17 | <0.3 | <0.62 | <0.60 | | |
| Total Xylenes | <0.44 | <0.57 | <0.92 | <2.12 | <1.59 | 1000 | 10000 |
| Naphthalene | | | | <0.62 | <0.46 | 8 | 40 |

MDL: Laboratory Method Detection Limit
NR 140 ES: Wisconsin Administrative Code NR 140 Enforcement Standard
NR 140 PAL: Wisconsin Administrative Code NR 140 Preventive Action Limit
* Sample was analyzed for PVOCs plus Naphthalene.
< > Values represent results greater than the Limit of Detection, but less than the Limit of Quantitation, and are within a region of "Less-Certain Quantitation."

# TABLE MW-3 (PAGE 1 OF 2)

| | |
|---|---|
| 125 | Parameter concentration exceeds the NR 140 ES |
| <2.5 | Parameter analyzed, but not detected, MDL > ES or PAL |
| | Parameter not analyzed |

## GROUNDWATER LABORATORY RESULTS
## WILBERT VAULT AND CONCRETE PRODUCTS

| WELL IDENTIFICATION | MW-3 | | | | | NR 140 PAL | NR 140 ES |
|---|---|---|---|---|---|---|---|
| | NATURAL ATTENUATION MONITORING | | | | | | |
| Date Sampled | 9/27/01 | 12/7/01 | 5/28/02 | 11/19/02* | 5/9/03* | | |
| Analyte | | | | | | | |
| GRO (µg/L) | | | | | | | |
| Methane (µg/L) | | | | | | | |
| Alkalinity (mg/L) | | | | | | | |
| Total NO3+NO2-N (mg/L) | | | | | | | |
| Dissolved Oxygen (mg/L) | 9.03 | | 7.86 | | | | |
| Groundwater Elevations | 1552.99 | 1552.97 | 1554.56 | 1554.10 | 1553.97 | | |
| PVOCs (µg/L) | | | | | | | |
| Benzene | <0.21 | <0.16 | <0.31 | <0.61 | <0.45 | 0.5 | 5 |
| Toluene | <0.22 | <0.4 | <0.3 | <0.64 | <0.61 | 200 | 1000 |
| Ethylbenzene | <0.23 | <0.5 | <0.5 | <0.63 | <0.47 | 140 | 700 |
| 1,2,4-Trimethylbenzene | <0.23 | <0.4 | <0.4 | <0.65 | <0.51 | | |
| 1,3,5-Trimethylbenzene | <0.21 | <0.17 | <0.31 | <0.66 | <0.72 | | |
| Total Trimethylbenzenes | <0.44 | <0.57 | <0.71 | <1.31 | <1.23 | 96 | 480 |
| tert-Butyl methyl ether | <0.091 | <0.3 | <0.3 | <0.62 | <0.60 | 12 | 60 |
| m&p-Xylenes | <0.44 | <0.4 | <0.62 | 1.5 | <0.99 | | |
| o-Xylene | | <0.17 | <0.3 | <0.62 | <0.60 | | |
| Total Xylenes | <0.44 | <0.57 | <0.92 | <2.12 | <1.59 | 1000 | 10000 |
| Naphthalene | | | | <0.62 | <0.46 | 8 | 40 |

MDL: Laboratory Method Detection Limit
NR 140 ES: Wisconsin Administrative Code NR 140 Enforcement Standard
NR 140 PAL: Wisconsin Administrative Code NR 140 Preventive Action Limit
* Sample was analyzed for PVOCs plus Naphthalene.

# TABLE MW-4 (PAGE 1 OF 2)

| | |
|---|---|
| **125** | Parameter concentration exceeds the NR 140 ES |
| <2.5 | Parameter analyzed, but not detected, MDL > ES or PAL |
| | Parameter not analyzed |

## GROUNDWATER LABORATORY RESULTS
## WILBERT VAULT AND CONCRETE PRODUCTS

| WELL IDENTIFICATION | MW-4 | | | | | | | | NR 140 PAL | NR 140 ES |
|---|---|---|---|---|---|---|---|---|---|---|
| | NATURAL ATTENUATION MONITORING | | | | | | | | | |
| Date Sampled | 9/27/01 | 12/7/01 | DUP | 5/28/02 | 11/19/02 | 5/9/03 | 7/21/05 | DUP | | |
| Analyte | | | | | | | | | | |
| GRO (µg/L) | | | | | | | | | | |
| Dissolved Oxygen (mg/L) | 7.44 | | | 0.54 | | | | | | |
| Groundwater Elevations | 1552.95 | 1552.94 | | 1554.54 | 1554.09 | 1553.99 | 1552.31 | | | |
| PVOCs* (µg/L) | | | | | | | | | | |
| Benzene | 1.2 | <0.8 | <0.8 | <3.10 | <12 | <22 | <0.31 | <0.31 | 0.5 | 5 |
| Toluene | 1.4 | <2.00 | <2.00 | 18.3 | <22> | <30 | 1.30 | 0.85 | 200 | 1000 |
| Ethylbenzene | 6.7 | 7.34 | 6.40 | 37.1 | <30> | <24 | 11.5 | 11.9 | 140 | 700 |
| 1,2,4-Trimethylbenzene | 97 | 59.2 | 46.5 | 223 | 120 | 240 | 90.5 | 103 | | |
| 1,3,5-Trimethylbenzene | 44 | 36.3 | 28.4 | 89.9 | 51 | 150 | 40.8 | 44.9 | | |
| Total Trimethylbenzenes | 141 | 95.5 | 74.9 | 312.9 | 171 | 390 | 131.3 | 147.9 | 96 | 480 |
| tert-Butyl methyl ether | <0.091 | <1.50 | <1.50 | <3.00 | <12 | <30 | <0.3 | <0.3 | 12 | 60 |
| m&p-Xylenes | 228 | 82.0 | 65.2 | 661 | 260 | 480 | 172 | 182 | | |
| o-Xylene | | 45.9 | 36.0 | 303 | 140 | 190 | 119 | 125 | | |
| Total Xylenes | 228 | 127.9 | 101.2 | 964 | 400 | 670 | 291 | 307 | 1000 | 10000 |
| Naphthalene | 4.8 | <4.00 | <4.00 | 10.3 | <12 | <23 | 2.96 | 2.61 | 8 | 40 |

MDL: Laboratory Method Detection Limit
NR 140 ES: Wisconsin Administrative Code NR 140 Enforcement Standard
NR 140 PAL: Wisconsin Administrative Code NR 140 Preventive Action Limit
DUP: Duplicate Sample
* Sample was analyzed for PVOCs plus Naphthalene.
< > Values represent results greater than the Limit of Detection, but less than the Limit of Quantitation, and are within a range of "Less-Certain Quantitation."

# TABLE MW-5 (PAGE 1 OF 2)

| | |
|---|---|
| 125 | Parameter concentration exceeds the NR 140 ES |
| <2.5 | Parameter analyzed, but not detected, MDL > ES or PAL |
| | Parameter not analyzed |

## GROUNDWATER LABORATORY RESULTS
## WILBERT VAULT AND CONCRETE PRODUCTS

| WELL IDENTIFICATION | MW-5 | | | | | | NR 140 PAL | NR 140 ES |
|---|---|---|---|---|---|---|---|---|
| | NATURAL ATTENUATION MONITORING | | | | | | | |
| Date Sampled | 9/27/01 | 12/7/01 | 5/28/02 | 11/19/02 | 5/9/03 | 7/21/05 | | |
| Analyte | | | | | | | | |
| Lead, Total (µg/L) | <0.73 | | <1.00 | | | | 1.5 | 15 |
| Methane (µg/L) | <7.1 | | | | | | | |
| Alkalinity (mg/L) | 31 | | 30.0 | | | | | |
| Total NO3+NO2-N (mg/L) | <0.11 | | <0.3 | | | | | |
| Iron (mg/L) | 2.8 | | 2.67 | | | | | |
| Sulfate (mg/L) | 9.3 | | 11.1 | | | | | |
| Dissolved Oxygen (mg/L) | 0.12 | | 0.46 | | | | | |
| Groundwater Elevations | 1552.74 | 1552.79 | 1554.29 | 1553.85 | 1553.82 | 1551.97 | | |
| PVOCs* (µg/L) | | | | | | | | |
| Benzene | <0.22> | <0.16 | <0.31 | <0.61 | <2.2 | <0.31 | 0.5 | 5 |
| Toluene | <0.31> | 1.47 | <0.3 | <0.64 | <3.0 | 0.548 | 200 | 1000 |
| Ethylbenzene | <0.57> | 13.0 | 1.16 | <0.63 | 12 | 6.44 | 140 | 700 |
| 1,2,4-Trimethylbenzene | <0.63> | 2.36 | 1.08 | <0.65 | 42 | 3.64 | | |
| 1,3,5-Trimethylbenzene | <0.59> | 8.32 | 1.35 | <0.66 | 25 | 7.32 | | |
| Total Trimethylbenzenes | <1.22> | 10.68 | 2.43 | <1.31 | 67 | 10.96 | 96 | 480 |
| tert-Butyl methyl ether | 0.33 | <0.3 | <0.3 | <0.62 | <3.0 | <0.3 | 12 | 60 |
| m&p-Xylenes | <1.4> | 6.74 | 3.08 | 1.5 | 54 | 24.0 | | |
| o-Xylene | | 7.06 | <0.3 | <0.62 | 25 | 2.04 | | |
| Total Xylenes | <1.4> | 13.80 | <3.38 | <2.12 | 79 | 26.04 | 1000 | 10000 |
| Naphthalene | 2.4 | 9.39 | <0.8 | <0.62 | <2.3 | 1.04 | 8 | 40 |

MDL: Laboratory Method Detection Limit
NR 140 ES: Wisconsin Administrative Code NR 140 Enforcement Standard
NR 140 PAL: Wisconsin Administrative Code NR 140 Preventive Action Limit
* Sample was analyzed for PVOCs plus Naphthalene.
< > Values represent results greater than the Limit of Detection, but less than the Limit of Quantitation, and are within a region of "Less-Certain Quantitation."

# TABLE PZ-1 (PAGE 1 OF 2)

| | |
|---|---|
| 125 | Parameter concentration exceeds the NR 140 ES |
| <2.5 | Parameter analyzed, but not detected, MDL > ES or PAL |
| | Parameter not analyzed |

## GROUNDWATER LABORATORY RESULTS
## WILBERT VAULT AND CONCRETE PRODUCTS

| WELL IDENTIFICATION | PZ-1 | | | | | NR 140 PAL | NR 140 ES |
|---|---|---|---|---|---|---|---|
| | NATURAL ATTENUATION MONITORING | | | | | | |
| Date Sampled | 9/27/01 | 12/7/01 | 5/28/02 | 11/19/02* | 5/9/03* | | |
| Analyte | | | | | | | |
| GRO (µg/L) | | | | | | | |
| Dissolved Oxygen (mg/L) | 0.15 | | 5.11 | | | | |
| Groundwater Elevations | 1553.19 | 1553.14 | 1554.79 | 1554.47 | 1554.15 | | |
| PVOCs (µg/L) | | | | | | | |
| Benzene | <0.21 | 0.3 | <0.31 | <0.61 | <0.45 | 0.5 | 5 |
| Toluene | <0.22 | 5.74 | <0.3 | <0.64 | <0.61 | 200 | 1000 |
| Ethylbenzene | <0.23 | 1.75 | <0.5 | <0.63 | <0.47 | 140 | 700 |
| 1,2,4-Trimethylbenzene | <0.23 | 1.04 | <0.4 | <0.65 | <0.51 | | |
| 1,3,5-Trimethylbenzene | <0.21 | 0.29 | <0.31 | <0.66 | <0.72 | | |
| Total Trimethylbenzenes | <0.44 | 1.33 | <0.71 | <1.31 | <1.23 | 96 | 480 |
| tert-Butyl methyl ether | <0.091 | <0.3 | <0.3 | <0.62 | <0.60 | 12 | 60 |
| m&p-Xylenes | <0.44 | 4.47 | <0.62 | 1.5 | <0.99 | | |
| o-Xylene | | 1.86 | <0.3 | <0.62 | <0.60 | | |
| Total Xylenes | <0.44 | 6.33 | <0.92 | <2.12 | <1.59 | 1000 | 10000 |
| Naphthalene | | | | <0.62 | <0.46 | 8 | 40 |

MDL: Laboratory Method Detection Limit
NR 140 ES: Wisconsin Administrative Code NR 140 Enforcement Standard
NR 140 PAL: Wisconsin Administrative Code NR 140 Preventive Action Limit
* Sample was analyzed for PVOCs plus Naphthalene.

## POTABLE WELL (PAGE 1 OF 2)

| | |
|---|---|
| 125 | Parameter concentration exceeds the NR 140 ES |
| <2.5 | Parameter analyzed, but not detected, MDL > ES or PAL |
| | Parameter not analyzed |

## GROUNDWATER LABORATORY RESULTS
## WILBERT VAULT AND CONCRETE PRODUCTS

| WELL IDENTIFICATION | SHOP WELL | | | | | NR 140 PAL | NR 140 ES |
|---|---|---|---|---|---|---|---|
| | NATURAL ATTENUATION MONITORING | | | | | | |
| Date Sampled | 9/27/01 | 11/14/01 | 5/28/02 | 11/19/02 | 5/9/03 | | |
| Analyte | | | | | | | |
| PVOCs* (µg/L) | | | | | | | |
| Benzene | <0.21 | <0.16 | <0.31 | <0.61 | <0.45 | 0.5 | 5 |
| Toluene | <0.22 | 1.60 | <0.3 | <0.64 | <0.61 | 200 | 1000 |
| Ethylbenzene | <0.23 | <0.5 | <0.5 | <0.63 | <0.47 | 140 | 700 |
| 1,2,4-Trimethylbenzene | 2.2 | <0.4 | <0.4 | <0.65 | <0.51 | | |
| 1,3,5-Trimethylbenzene | 0.94 | <0.17 | <0.31 | <0.66 | <0.72 | | |
| Total Trimethylbenzenes | 3.14 | <0.57 | <0.71 | <1.31 | <1.23 | 96 | 480 |
| tert-Butyl methyl ether | 0.33 | <0.3 | <0.3 | <0.62 | <0.60 | 12 | 60 |
| m&p-Xylenes | <0.51> | <0.4 | <0.62 | 1.5 | <0.99 | | |
| o-Xylene | | <0.17 | <0.3 | <0.62 | <0.60 | | |
| Total Xylenes | <0.51> | <0.57 | <0.92 | <2.12 | <1.59 | 1000 | 10000 |
| Naphthalene | 1.9 | <0.8 | <0.8 | <0.62 | <0.46 | 8 | 40 |

MDL: Laboratory Method Detection Limit
NR 140 ES: Wisconsin Administrative Code NR 140 Enforcement Standard
NR 140 PAL: Wisconsin Administrative Code NR 140 Preventive Action Limit
* Sample was analyzed for PVOCs plus Naphthalene.
< > Values represent results greater than the Limit of Detection, but less than the Limit of Quantitation, and are within a region of "Less-Certain Quantitation."

# TABLE 1

## SOIL LABORATORY RESULTS
## WILBERT VAULT AND CONCRETE PRODUCTS

| | |
|---|---|
| -- | Parameter analyzed, but not detected, MDL < NR 720 GRCL |
| | Parameter not analyzed. |
| **100** | Parameter concentration exceeds the NR 720 GRCL |
| <10 | Parameter analyzed, but not detected, MDL > NR 720 GRCL |

| SAMPLE ID | GP-1 | GP-2 | GP-2 | GP-3 | GP-4 | GP-5 | GP-6 | GP-6 | GP-7 | GP-7 | MeOH | MW-3 | GP-9 | NR 720 GRCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DEPTH (feet bgs) | 15 | 15 | 17 | 17 | 15 | 15 | 15 | 17 | 11 | 15 | BLANK | 16 | | |
| Analyte | 6/7/96 | 6/7/96 | 6/7/96 | 6/7/96 | 6/7/96 | 6/7/96 | 6/7/96 | 6/7/96 | 6/7/96 | 6/7/96 | 6/7/96 | 11/12/96 | 12/15/97 | |
| GRO (mg/Kg) | -- | **3620** | **2690** | **1780** | -- | -- | -- | -- | -- | -- | -- | 5.2 | <0.72> | 100 |
| Lead (mg/Kg) | 5.34 | -- | 9.73 | -- | -- | -- | -- | -- | -- | -- | | | | |
| VOCs (µg/Kg) | | | | | | | | | | | | | | |
| Benzene | <26 | **<4188** | **<2129** | **<2384** | <26 | <26 | <26 | **35** | **52** | **31** | <25 | <26 | <6.0 | 5.5 |
| Toluene | <26 | **<4188** | **<2129** | **<2384** | <26 | <26 | <26 | 119 | <26 | <26 | -- | -- | -- | 1500 |
| Ethylbenzene | <26 | **<4188** | <2129 | <2384 | <26 | <26 | <26 | 81 | <26 | <26 | -- | 27 | -- | 2900 |
| 1,2,4-Trimethylbenzene | <26 | 19,309 | 4,281 | 34,189 | <26 | <26 | <26 | 279 | 64 | <26 | -- | -- | -- | |
| 1,3,5-Trimethylbenzene | <26 | 93,623 | 35,206 | 42,785 | <26 | <26 | <26 | 83 | <26 | <26 | -- | -- | -- | |
| tert-Butyl methyl ether | <26 | <4188 | <2129 | 3198 | <26 | <26 | <26 | <30 | <26 | <26 | -- | -- | -- | |
| m&p-Xylenes | <26 | <4188 | <2129 | **5739** | <26 | <26 | <26 | 906 | <26 | <26 | -- | -- | -- | *4100 |
| o-Xylene | <26 | **8350** | 4,024 | **13,639** | <26 | <26 | 38 | 618 | <26 | <26 | -- | -- | -- | *4100 |
| Isopropylbenzene | <26 | 4758 | <2129 | 3746 | <26 | <26 | <26 | <30 | <26 | <26 | -- | | -- | |
| Naphthalene | <26 | **6557** | <2129 | <2384 | <26 | <26 | <26 | **36** | **38** | <26 | -- | | -- | 0.4 |
| n-Propylbenzene | <26 | <4188 | 2189 | 3183 | <26 | <26 | <26 | <30 | <26 | <26 | -- | | -- | |
| n-Butylbenzene | <26 | 276,888 | 108,399 | 100,080 | <26 | <26 | <26 | 31 | 26 | <26 | -- | | -- | |
| p-Isopropyltoluene | <26 | 7162 | 2621 | 3650 | <26 | <26 | <26 | <30 | <26 | <26 | -- | | -- | |
| sec-Butylbenzene | <26 | 16,764 | <2129 | 8770 | <26 | <26 | <26 | <30 | <26 | <26 | -- | | -- | |
| Methylene Chloride | 238 | <4188 | <2129 | <2384 | 928 | 147 | 1461 | 1400 | 57 | 27 | -- | | -- | |
| Trichlorofluoromethane | <26 | <4188 | <2129 | <2384 | 28 | <26 | 36 | <30 | <26 | <26 | -- | | -- | |
| tert-Butylbenzene | <26 | <4188 | <2129 | <2384 | <26 | <26 | <26 | <30 | 138 | <26 | -- | | -- | |
| Chloromethane | <26 | <4188 | <2129 | <2384 | <26 | <26 | <26 | <30 | <26 | 27 | 162 | | -- | |

MDL: Method Detection Limit
NR 720 GRCL: Wisconsin Administrative Code NR 720 Generic Residual Contaminant Level
* GRCL for total xylenes.
< > Values represent results greater than the Limit of Detection, but less than the Limit of Quantitation and are within a region of "Less-Certain Quantitation."

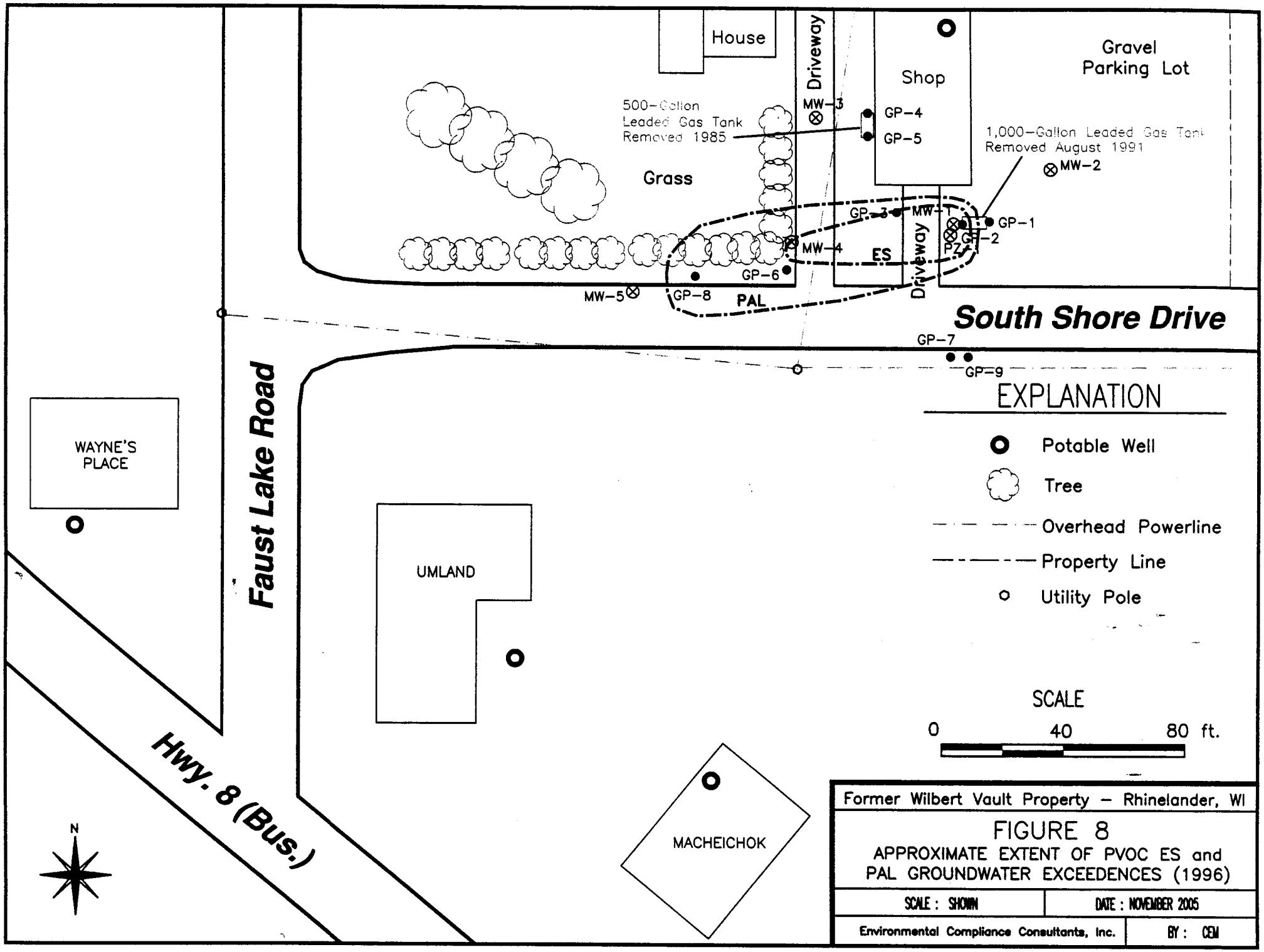
## ADJACENT OWNERS

| | |
|---|---|
| **125** | Parameter concentration exceeds the NR 140 ES |
| <2.5 | Parameter analyzed, but not detected, MDL > ES or PAL |
| | Parameter not analyzed |

### GROUNDWATER LABORATORY RESULTS
### WILBERT VAULT AND CONCRETE PRODUCTS

| WELL IDENTIFICATION | MACHEICHOK | | UMLAND | | WAYNE'S PLACE | | NR 140 PAL | NR 140 ES |
|---|---|---|---|---|---|---|---|---|
| Date Sampled | 9/27/01 - REL | 11/14/01 - USF | 9/27/01 - REL | 11/14/01 - USF | 9/27/01 - REL | 11/14/01 - USF | | |
| Analyte | | | | | | | | |
| PVOCs* (µg/L) | | | | | | | | |
| Benzene | <0.21 | <0.16 | <0.21 | <0.16 | <0.21 | <0.16 | 0.5 | 5 |
| Toluene | <0.22 | <0.4 | <0.22 | <0.4 | <0.69> | <0.4 | 200 | 1000 |
| Ethylbenzene | <0.23 | <0.5 | <0.23 | <0.5 | <0.23 | <0.5 | 140 | 700 |
| 1,2,4-Trimethylbenzene | <0.47> | <0.4 | <0.38> | <0.4 | <0.44> | <0.4 | | |
| 1,3,5-Trimethylbenzene | <0.24> | <0.17 | <0.23> | <0.17 | <0.21 | <0.17 | | |
| Total Trimethylbenzenes | <0.71> | <0.57 | <0.61> | <0.57 | <0.65> | <0.57 | 96 | 480 |
| tert-Butyl methyl ether | 0.39 | <0.3 | <0.091 | <0.3 | <0.091 | <0.3 | 12 | 60 |
| Total Xylenes | <0.44 | <0.57 | <0.58> | <0.57 | <1.3> | <0.57 | 1000 | 10000 |
| Naphthalene | 1.4 | <0.8 | 3.5 | <0.8 | 1.4 | <0.8 | 8 | 40 |

MDL: Laboratory Method Detection Limit
NR 140 ES: Wisconsin Administrative Code NR 140 Enforcement Standard
NR 140 PAL: Wisconsin Administrative Code NR 140 Preventive Action Limit
* Samples were analyzed for PVOCs + Naphthalene.
< > Values represent results greater than the Limit of Detection, but less than the Limit of Quantitation, and are within a region of "Less-Certain Quantitation."

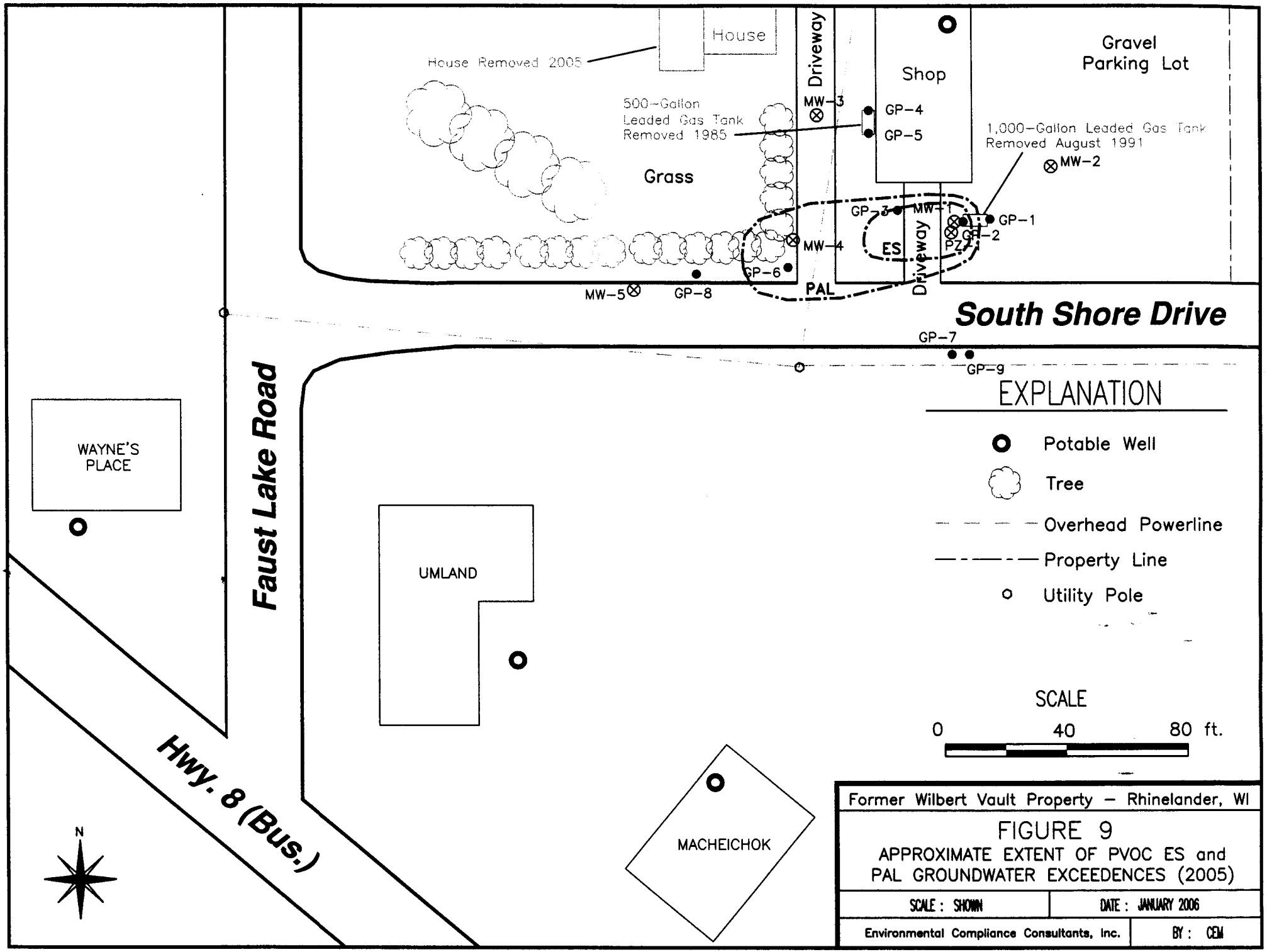



Former Wilbert Vault Property – Rhinelander, WI

FIGURE 8

APPROXIMATE EXTENT OF PVOC ES and PAL GROUNDWATER EXCEEDENCES (1996)

| SCALE : SHOWN | DATE : NOVEMBER 2005 |
|---|---|
| Environmental Compliance Consultants, Inc. | BY : CEM |

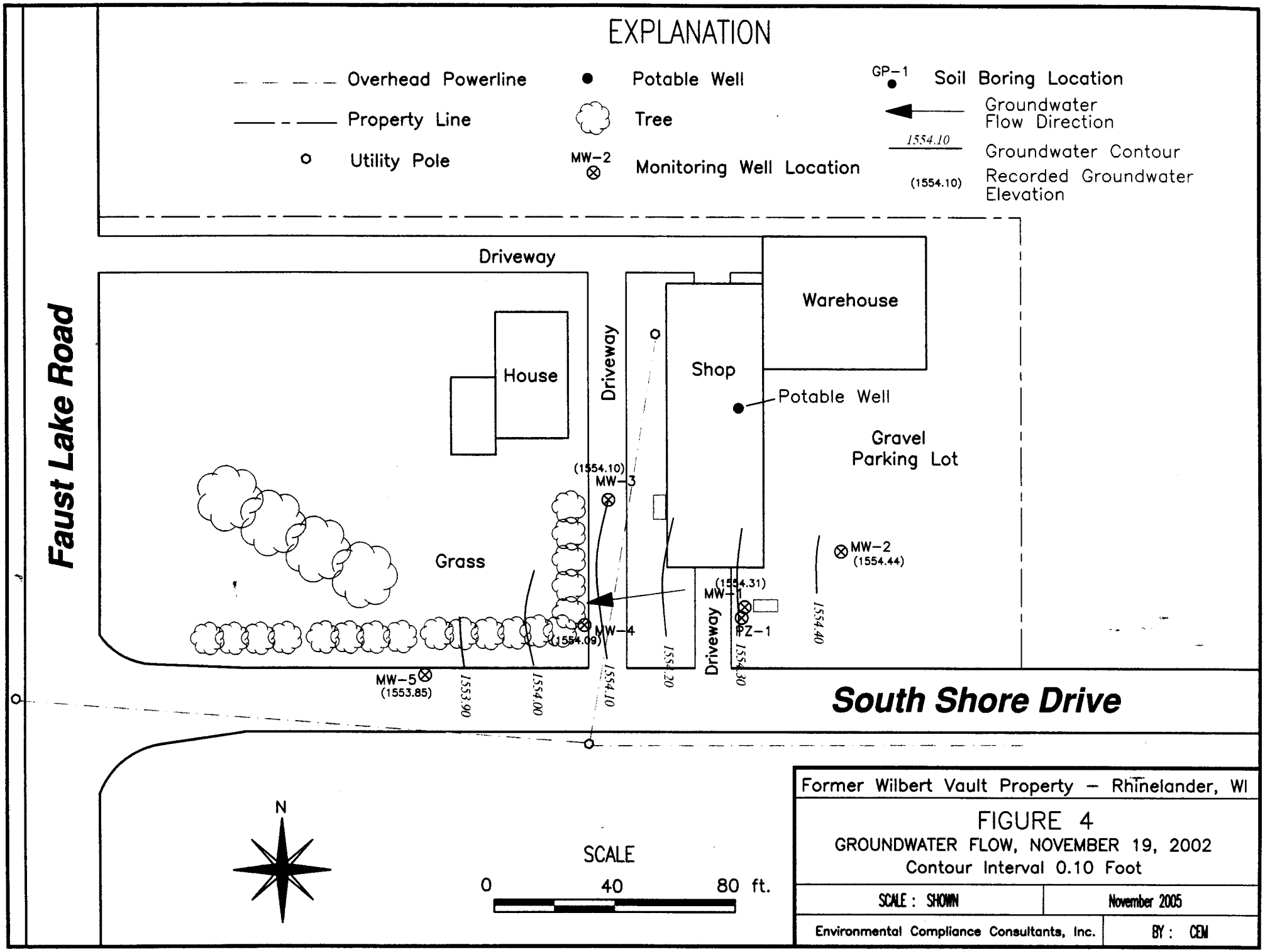



Former Wilbert Vault Property – Rhinelander, WI

FIGURE 9

APPROXIMATE EXTENT OF PVOC ES and PAL GROUNDWATER EXCEEDENCES (2005)

| | |
|---|---|
| SCALE : SHOWN | DATE : JANUARY 2006 |
| Environmental Compliance Consultants, Inc. | BY : CEM |



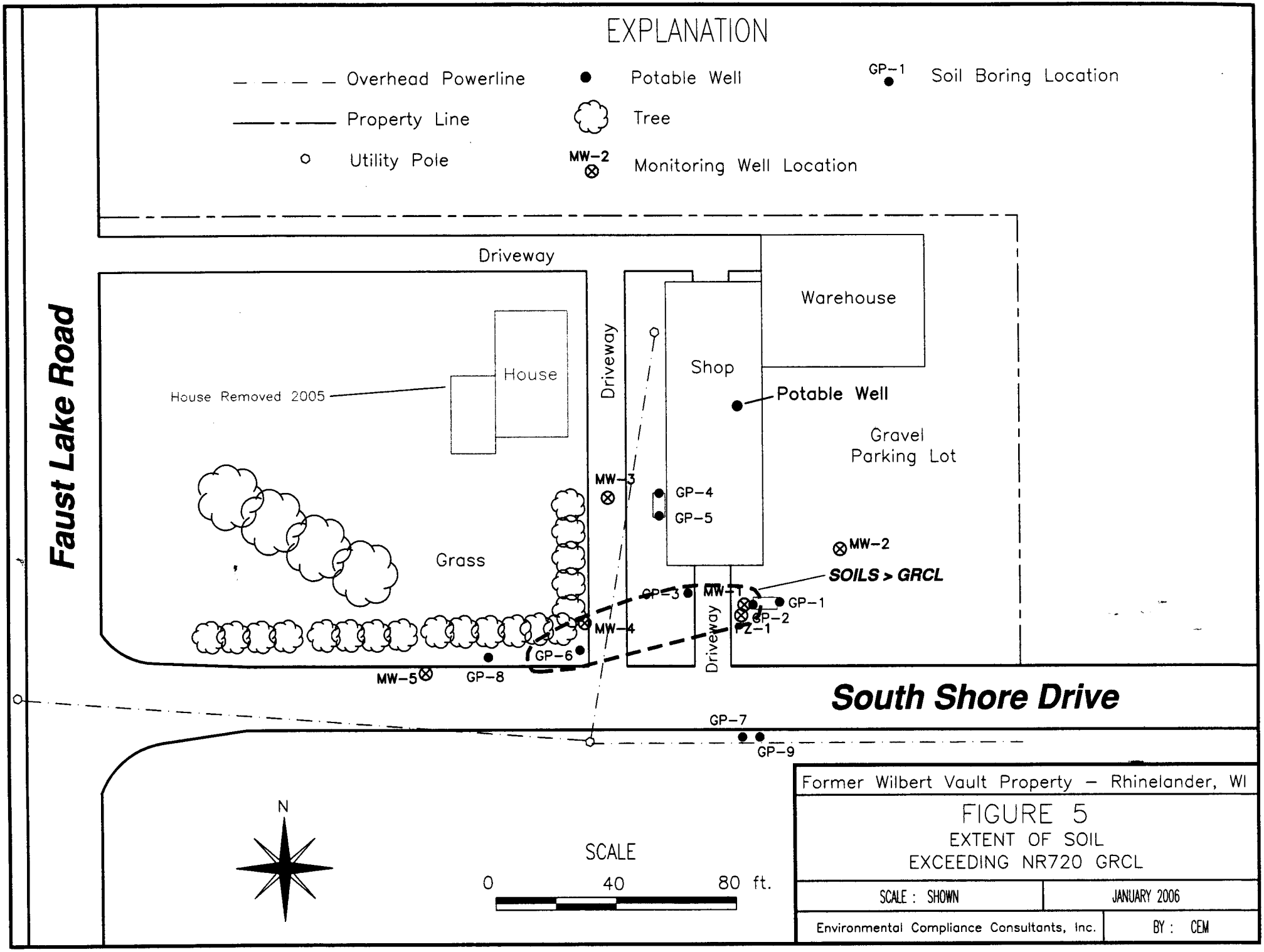

Former Wilbert Vault Property – Rhinelander, WI

FIGURE 4

GROUNDWATER FLOW, NOVEMBER 19, 2002

Contour Interval 0.10 Foot

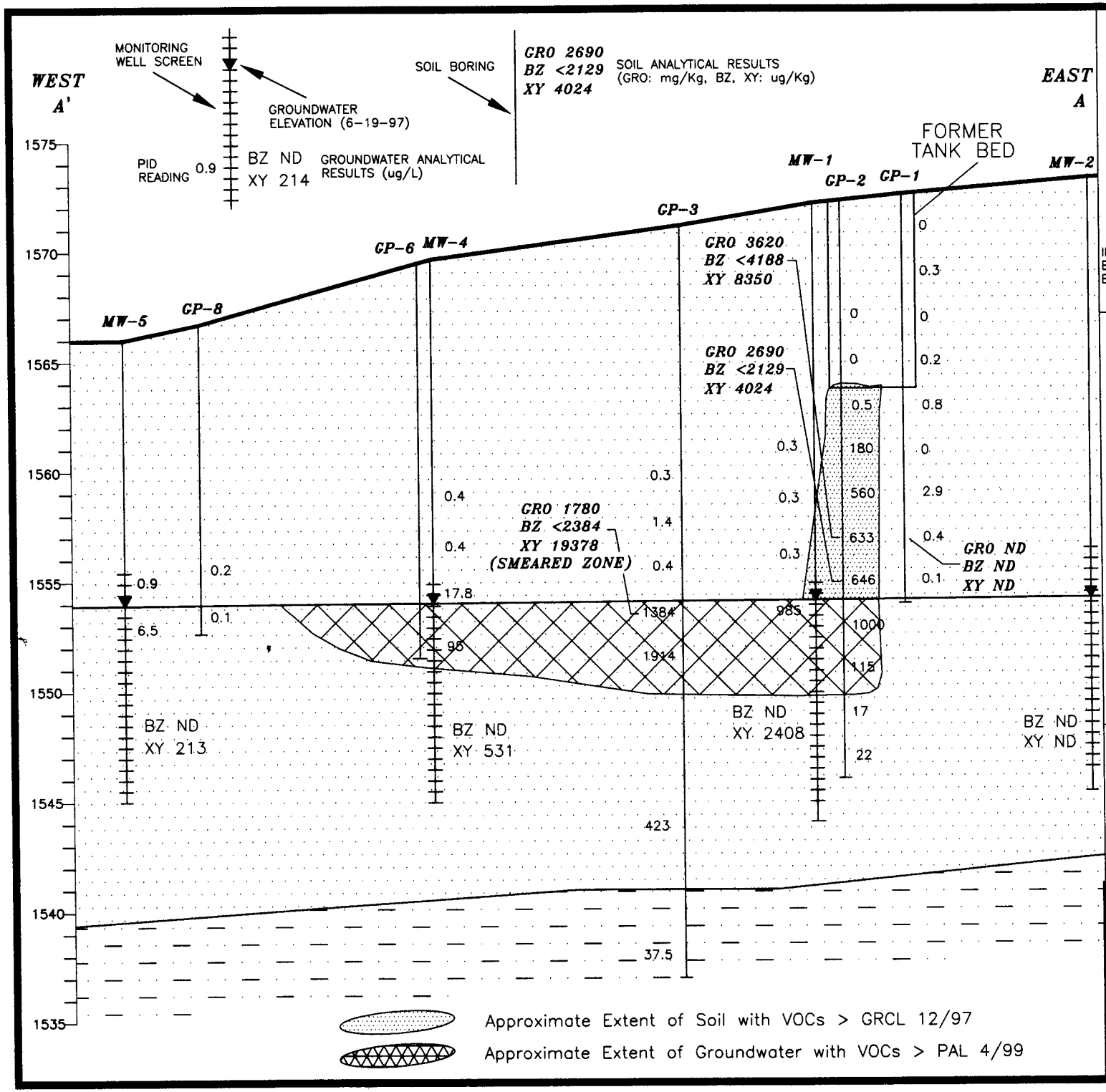
| | |
|---|---|
| SCALE : SHOWN | November 2005 |
| Environmental Compliance Consultants, Inc. | BY : CEM |




Former Wilbert Vault Property – Rhinelander, WI

FIGURE 5
EXTENT OF SOIL
EXCEEDING NR720 GRCL

| | |
|---|---|
| SCALE : SHOWN | JANUARY 2006 |
| Environmental Compliance Consultants, Inc. | BY : CEM |



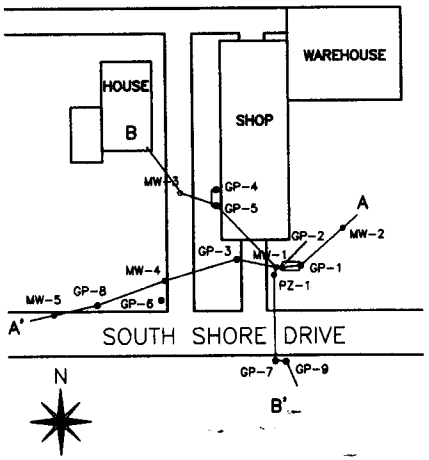

## SOIL EXPLANATION

BROWN, FINE- TO MEDIUM-GRAINED SAND (SP-SW)

GREY, FINE-GRAINED SAND AND SILTY SAND (SM)

INFORMATION BETWEEN BORINGS IS INTERPOLATED BASED UPON AVAILABLE DATA. ACTUAL CONDITIONS BETWEEN BORINGS ARE UNKNOWN.

## LOCATION OF GEOLOGIC CROSS SECTION




## HORIZONTAL SCALE

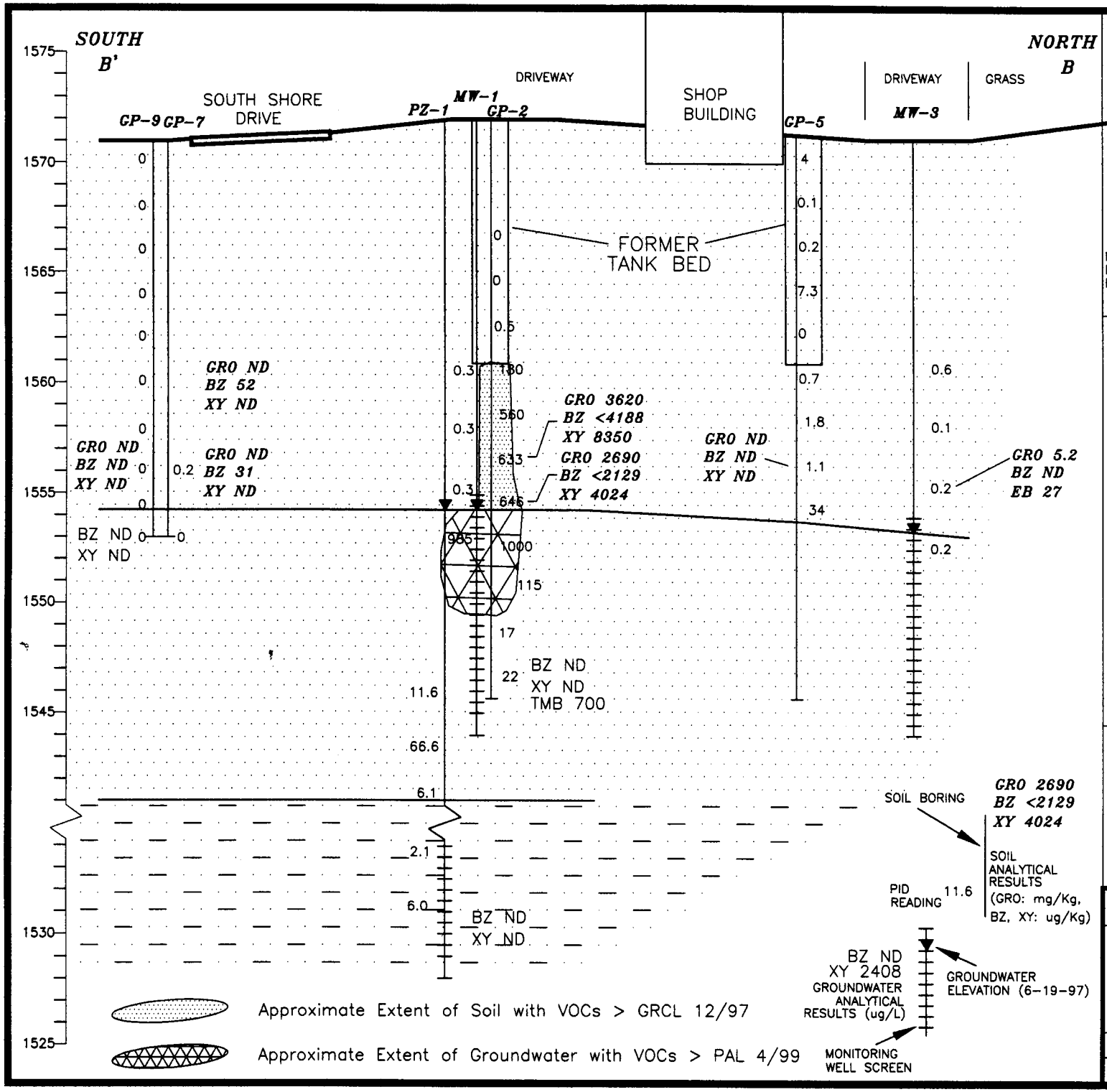
0 20 40 ft.

VERTICAL SCALE IN FEET ABOVE MEAN SEA LEVEL

Former Wilbert Vault Property
Rhinelander, WI

FIGURE 6
APPROXIMATE EXTENT OF SOIL AND GROUNDWATER IMPACTS
CROSS SECTION A-A'

| SCALE : SHOWN | DATE : NOVEMBER 2005 |
|---|---|
| Environmental Compliance Consultants, Inc. | BY : CEM |



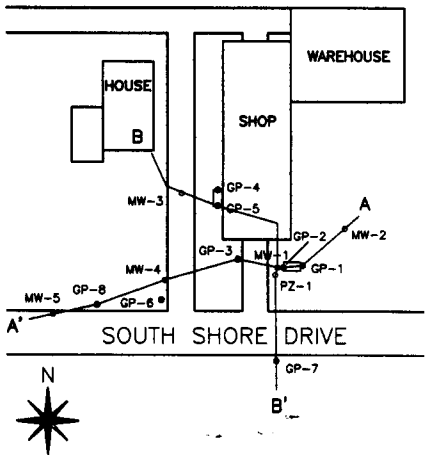

## SOIL EXPLANATION

BROWN, FINE- TO MEDIUM-GRAINED SAND (SP-SW)

GREY, FINE-GRAINED SAND AND SILTY SAND (SM)

INFORMATION BETWEEN BORINGS IS INTERPOLATED BASED UPON AVAILABLE DATA. ACTUAL CONDITIONS BETWEEN BORINGS ARE UNKNOWN.

## LOCATION OF GEOLOGIC CROSS SECTION




## HORIZONTAL SCALE

0 20 40 ft.

VERTICAL SCALE IN FEET ABOVE MEAN SEA LEVEL

Former Wilbert Vault Property
Rhinelander, WI

# FIGURE 7

APPROXIMATE EXTENT OF SOIL AND GROUNDWATER IMPACTS
CROSS SECTION B-B'

| SCALE : SHOWN | DATE : NOVEMBER 2005 |
|---|---|
| Environmental Compliance Consultants, Inc. | BY : CEM |

***Chet Moore***
***C.G. Moore, Inc.***
***2895 Boyce Drive***
***Rhinelander, WI 54501***
***(715) 369-5110***

To Whom It May Concern:

I, Chet Moore, do hereby certify that, to the best of my knowledge, the enclosed legal description for the property located at 4690 South Shore Drive, Rhinelander, Wisconsin, is complete and accurate.

Chet Moore
Chet Moore

6-2-03
Date

ENVIRONMENTAL COMPLIANCE CONSULTANTS, INC.
P.O. Box 614 • Rhinelander, WI 54501 • 715-365-5200 (Voice) • 715-[illegible] (Fax)

FILE

June 13, 2003

Town of Pelican
4093 Hwy. 8 East
Rhinelander, WI 54501

To Whom It May Concern:

***Re: Notification of Petroleum Compounds in the South Shore Drive Right-of-Way***

Environmental Compliance Consultants, Inc. (ECCI), is the consulting firm representing Mr. Chet Moore regarding the petroleum release remedy at the former Wilbert Vault and Concrete Products, Inc., 4690 South Shore Drive, in Rhinelander. We are preparing a closure request regarding Mr. Moore's site to be submitted to the Department of Natural Resources. We have selected natural attenuation as the remedy for the petroleum spill. The state allows closure of a petroleum spill site before the residual petroleum naturally attenuates to state standards, provided there is no health risk. Part of the closure requirements is notification to road owners of the existence of the residual petroleum—that is the purpose of this letter.

Based on soil samples collected during a site investigation in June 1996, petroleum compounds above state standards are present within the South Shore Drive right-of-way between 12 to 17 feet below ground surface. There are also petroleum compounds above state standards in the groundwater within the right-of-way. The compounds in exceedence of state standards include benzene, total trimethylbenzene and total xylene. These concentrations have decreased, and will continue to decrease with time.

I have enclosed a plan map and cross-sectional view maps of the residual petroleum in the soil and groundwater for your records. If petroleum-impacted soil or groundwater is ever exposed, it may have to be treated as solid waste or wastewater. If you have any questions, please feel free to give me a call at 365-5200.

Sincerely,

ENVIRONMENTAL COMPLIANCE CONSULTANTS, INC.

Brian Hill

Brian D. Hill
Environmental Engineer

BDH/jg
Encs.

cc: Chet Moore