

LETTER OF TRANSMITTAL

To: Ms. Jennifer Borski
WDNR
625 E. CTH Y, Suite 700
Oshkosh, WI 54901

Date: October 12, 2011
Project No.: N1996A08
Project: Former Malchow Property
Client:

We are sending you Attached Under separate cover via _____ the following items:
 Shop drawings Prints Plans Samples Specifications Copy of letter Change order
 Other Closure request

Copies	Date	No.	Description
1			

R + R - OSH
RECEIVED

OCT 14 2011

TRACKED
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79
700
710

These are transmitted as checked below:

- | | | |
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| <input type="checkbox"/> For approval | <input type="checkbox"/> Approved as submitted | <input type="checkbox"/> Resubmit _____ copies for approval |
| <input checked="" type="checkbox"/> For your use | <input type="checkbox"/> Approved as noted | <input type="checkbox"/> Submit _____ copies for distribution |
| <input checked="" type="checkbox"/> As requested | <input type="checkbox"/> Returned for corrections | <input type="checkbox"/> Return _____ corrected prints |
| <input checked="" type="checkbox"/> For review and comment | <input type="checkbox"/> Other _____ | |
| <input type="checkbox"/> For bids due _____ | <input type="checkbox"/> Prints returned after loan to us | |

Remarks:

Signed: _____

Dave Fries
Hydrogeologist
920-735-6900
dave.fries@omni.com

Copy to:

**Closure Request for the former Malchow Property
3223 W. College Avenue, Appleton, WI
Outagamie County, WI**

**BRRTS# 02-45-228649
WTM Coordinates 643309, 422029**

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CASE HISTORY

Chlorinated solvent contamination was discovered at this site in April 1999. The site is located at 3223 W. College Avenue, Appleton, WI. (See Figure 1 – Site Location Map, Attachment 2.) The site is in the SW1/4, SW1/4, Section 28, T21N, R17E, Outagamie County, WI.

The solvent contamination was discovered during the investigation of a petroleum release by OMNNI Associates, Inc. (OMNNI) at the adjacent property. The adjacent property is the former Hardee's Restaurant located at 3225 W. College Avenue, Appleton, WI (BRRTS #03-45-182502). A groundwater monitoring well installed to define the extent of contamination at the former Hardee's site (MW2) revealed solvent contamination that was above enforcement standards. The WDNR requested an investigation into the source and extent of the solvent contamination. Research showed that a dry cleaning operation once existed at 3223 W. College Avenue, Appleton, WI.

The site investigation conducted at the former Malchow site consisted of the installation of twelve groundwater monitoring wells (SMW1 – SMW12) and seven piezometers (SP1 – SP7). (See Figure 2 – Site Detail Map, Attachment 2.) The contamination was defined to the extent practicable. The site investigation activities are documented in OMNNI reports dated December 6, 2000 and August 18, 2003.

Once the extent of contamination had been defined, a remedial excavation took place at the site on October 10 and 11, 2005. The remedial excavation was coordinated by Alpha Terra Science. According to the WDNR, a total of 980.43 tons of impacted soil was removed from the site. A total of 16 endpoint soil samples were collected once the excavation was complete. The figure showing the sample locations, and the table summarizing the lab data, are included in Attachments 2 and 3, respectively.

After the remedial excavation was complete, OMNNI was again contracted to perform post remediation groundwater monitoring at the site. The groundwater monitoring has shown a flat gradient near the former building foundation. The remedial excavation that occurred in this area may also affect the groundwater elevation data. Historically, the groundwater flow has been outward in each direction from the former building foundation. A copy of the most recent groundwater elevation contour map is included in Attachment 2. (See Figure 3 – Groundwater Elevation Contour Map (10/22/08), Attachment 2.) Results of the analytical testing from April 1999 to October 2008 have shown stability in the quality of groundwater at the site. (See Table 1 – Summary of Laboratory Analysis, Groundwater – Historical, Attachment 3.)

Justification for Case Closure

We request a determination of closure for the site based on the following reasons:

- 1) The remaining contamination will not likely impact any potential receptor. The site screening risk criteria identified in NR746.06(2) are discussed below:

Utility Systems

OMNNI is unaware of any former (the building no longer exists) utility trenches that pass through the most heavily impacted area on site, which was excavated. Based on the remaining levels of contamination found in the source area and the absence of free product at this site, we would not expect utility trenches to be migration pathways for free product, which might result in dangerous vapor levels.

Potable Wells

A municipal water supply services this site, which no longer contains a building. The site obtains drinking water from the Fox River/Lake Winnebago system. There are no known private water supply wells on-site.

Direct Contact with Contaminated Soil

Based on analytical evidence, soil contamination was observed at the site within four feet of the ground surface above values listed in Wis. Admin. Code NR746, Table 2, Protection of Human Health from Direct Contact with Contamination Soil in soil borings B8, SB1 and SB2. The soil in the area of these borings was excavated and disposed of and the excavated area has been covered with asphalt. The future use of the site is as a used car lot, which is entirely covered with asphalt.

Petroleum Product

Since the investigation began, no indication of petroleum free product has ever been observed in the groundwater at any location at the site.

Contaminant Plume Margin

After five rounds of groundwater sampling from the wells at the site, there is no evidence that the plume is expanding.

Contamination Within Bedrock or Within One Meter of Bedrock

Bedrock was not encountered, therefore, no contamination is expected at this site within one meter of bedrock.

Discharge to Surface Water or Wetland

There is no known or observed discharge of contamination to a surface water or wetland from this site.

2) It would not be cost-effective to perform additional work at the site:

The most heavily impacted soil at this site has been excavated and disposed. The remaining contamination at this site appears to be limited to the area around soil boring SB4, which is covered with asphalt. Groundwater monitoring since the remedial excavation has shown stability in the contaminant levels. A vapor intrusion study was not performed at the site. There are no buildings on site for dangerous vapors to migrate into, and the levels of contamination are reduced near buildings on adjacent properties. (See Case Summary and Closeout Form, Attachment 1, and GIS Registry Packet, Attachment 4.)

Standard of Care

The conclusions presented in this report were arrived at using generally accepted hydrogeologic and engineering practices. They represent our professional opinions based on the data collected. The scope of this report is limited to the specific project and location described herein.

Prepared By:



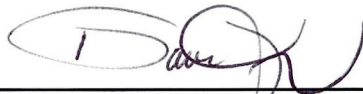
Dave Fries, P.G., CHMM
Hydrogeologist

Reviewed By:



Brian Wayner, P.E.
Environmental Engineer

I, Dave Fries, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."



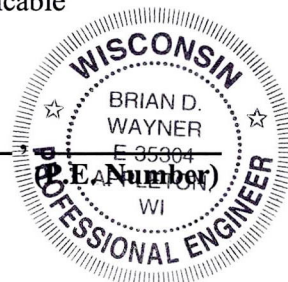
(Professional Geologist)



I, Brian Wayner, hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."



(Professional Engineer)



Attachment 1

Case Summary and Closeout Form

*Removed & placed
in closure committee
packet.
AB*

WDNR BRRTS CASE # 02 - 45 - 228649 WDNR SITE NAME : Former Malchow Property

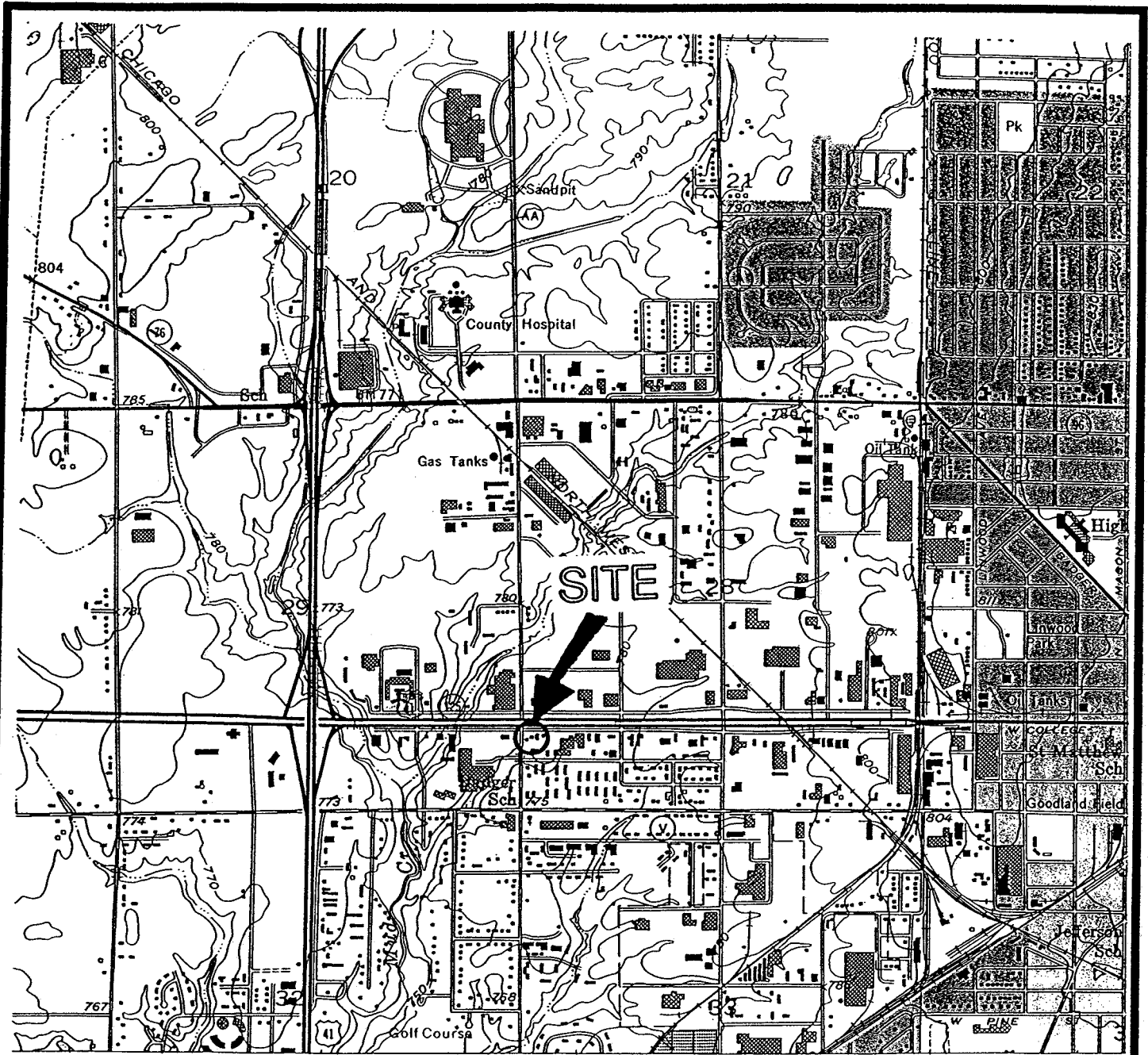
WISCONSIN DEPARTMENT OF NATURAL RESOURCES
Remediation and Redevelopment Program

This form is intended to provide instructions and a list of information that must be submitted for evaluation for case closure, each time a request is made. 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.].

In order to expedite the closure process, provide a complete and accurate closure package according to the following instructions, each time a closure decision is requested:

- Submit the Case Closure Request form and the required attachments as a stand-alone, **unbound** package. Include all information requested per section, as appropriate to the site, in the order shown. Include all attachments per section, as appropriate. Do not attach previously submitted reports. Correctly reference any reports in the case summary, as applicable.
- Include fees with this request at the time it is submitted to the department in order for the application to be considered complete.
- Specify your selected closure option.
- **Use forms 4400-245 and 4400-246 for Section H.** Include all **GIS Registry information** (in Section H) as a stand-alone document (*do not refer to materials in other attachments*). Include copies of all off-source property and ROW notifications.
- Place a ✓ (attached) or NA (not applicable) in the blank next to each attachment, in each section.
- Include a maintenance plan, if it is required for the implemented remedial action.
- **Maps for the GIS Registry may not be larger than 8.5 x 14 inches**, unless maps are submitted in electronic form in portable document format (pdf) readable by the Adobe Acrobat Reader. For electronic document submittal requirements, see <http://dnr.wi.gov/org/aw/rr/archives/pubs/RR690.pdf>.
- Prepare maps according to the applicable portions of ss. NR 716.15(2)(h)1 and 726.05(3)(a)4.d. Prepare visual aids, including maps, plans, drawings, cross sections, fence diagrams, tables and photographs according to s. NR 716.15(2)(h)1. – 4.
- **Use a bold font** on information of importance on tables, maps and figures. A **bold font (for ES exceedances)** and *italics (for PALs)* are preferred when differentiation is necessary. **Please do not use shading or highlights** on any of the analytical tables (per s. NR 726.05(3)) and maps as the shading obscures the information that is scanned for inclusion in the GIS Registry.
- Put multiple tables submitted for contaminated media data (eg. pre- and post-remedial data) in chronological order. Include the level of detection for results which are below the detection level (i.e. do not just list as no detect (ND)). Summaries of all data should include information collected by previous consultants. Do not submit lab data sheets unless these have not been submitted in a previous report. Tabulate all data required in s. NR 716.15(2)(g)3 in the format required in s. NR 716.15(2)(h)3.
- Document free product recovery estimates as required in s. NR 708.15, if applicable.



SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP, APPLETON, WISCONSIN QUADRANGLE, 1984.

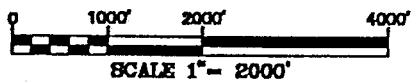


FIGURE 1
SITE LOCATION MAP

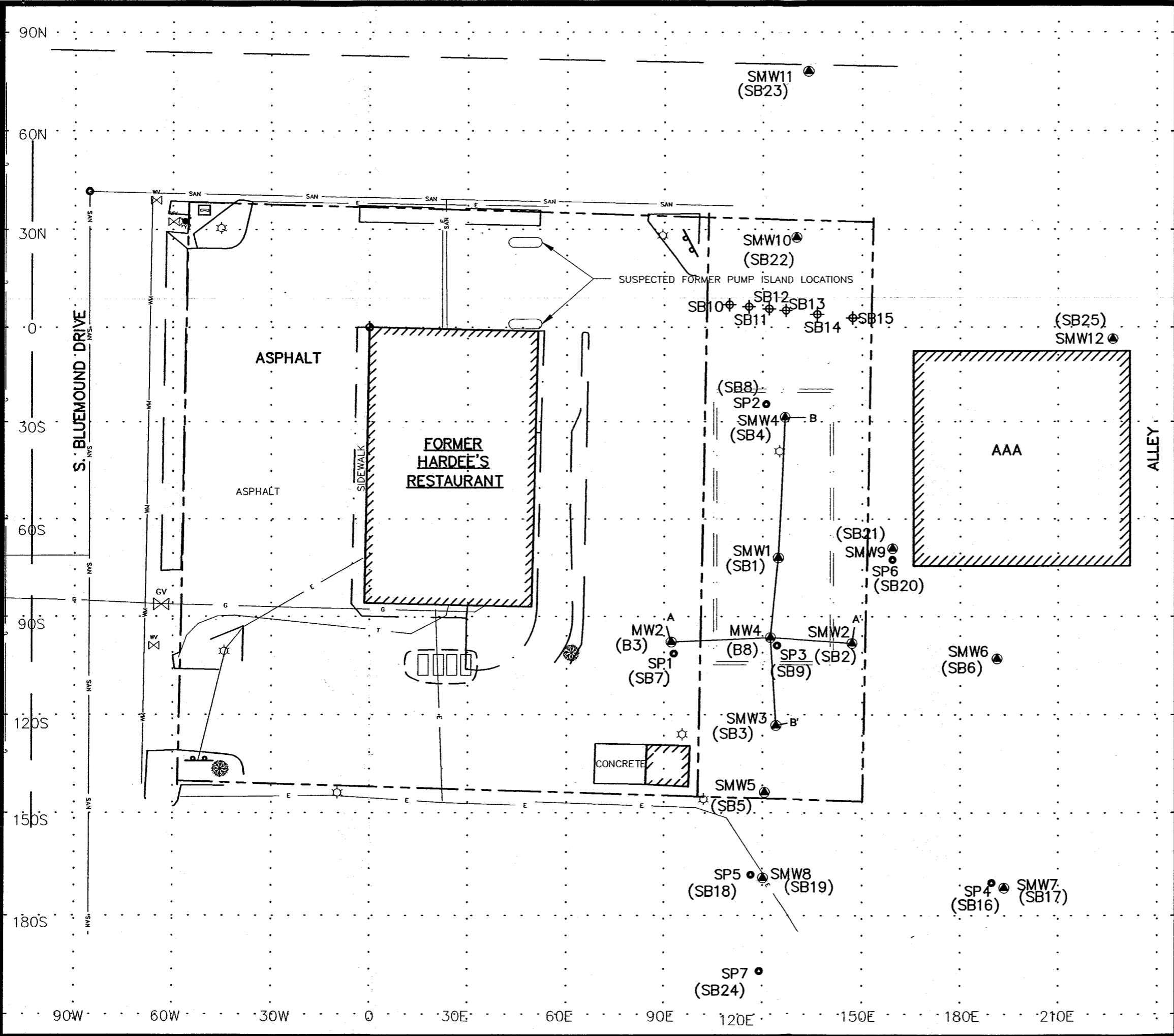
VACANT LOT
3223 W. COLLEGE AVENUE
TOWN OF GRAND CHUTE, WISCONSIN

OMNI
ASSOCIATES

ONE SYSTEMS DRIVE
APPLETON, WI 54914

PHONE (920) 735-6900
FAX (920) 830-6100

PROJECT MANAGER:	PROJECT NO:	N1556A99
PROJECT ENGINEER:	CAD FILE NO:	N1556A1
DRAWN BY:	DLD SCALE:	
REVIEWED BY:	DATE:	8/28/00



LEGEND: 0' 6' 15' 30' LOCAL GRID NORTH
 SCALE: 1" = 30'

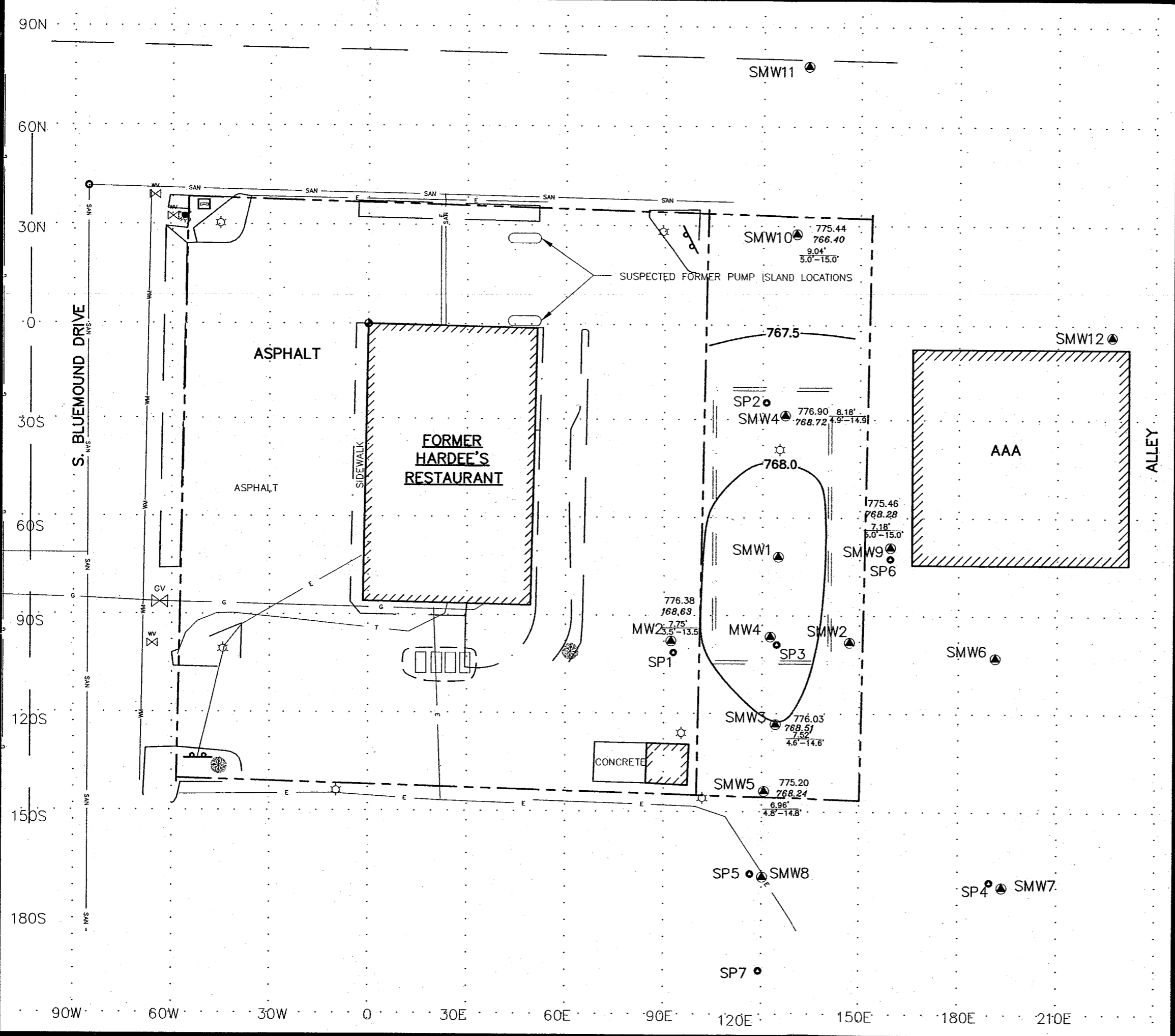
- Cross Section
- MW4 Well Location and I.D. No.
- SP4 Piezometer Location and I.D. No.
- SB1 Soil Boring Location and I.D. No.
- Former Building Foundation
- Suspected Former Tank Location
- 6,000 Gallon Gasoline USTs
- Property Line
- Approximate Limit of Excavation
- Edge of Asphalt
- Edge of Concrete Pavement
- Building Face
- Hydrant
- Water Valve
- Gas Valve
- Gas Line
- Watermain
- Telephone Cable
- Telephone Booth
- Light Post
- Sanitary Line with Manhole
- Electrical Line
- Reference Point
- Grid Line (30' Interval)

FIGURE 2
 SITE DETAIL MAP

VACANT LOT
 3223 W. COLLEGE AVENUE
 TOWN OF GRAND CHUTE, WISCONSIN

OMNI ASSOCIATES
 ONE SYSTEMS DRIVE
 APPLETON, WI 54914
 PHONE (920) 735-6900
 FAX (920) 830-6100

PROJECT MANAGER:	PROJECT NO:	N1556A99
PROJECT ENGINEER:	CAD FILE NO:	N1556A2
DRAWN BY:	DLD	SCALE: 1"=30'
REVIEWED BY:	DATE:	4/7/03



LEGEND:

0' 6' 15' 30'
SCALE: 1" = 30'
LOCAL GRID NORTH
N

SMW2 \triangle 776.01 Surface Elevation at Well
768.63 Groundwater Elevation at Well
4.76' Depth to Water from Surface
4.6'-14.6' Screened Interval (ft.)

— 767.5 — Groundwater Contour Line

MW4 \triangle Well Location and I.D. No.
SP4 \bullet Piezometer Location and I.D. No.

— — Former Building Foundation
▭ Suspected Former Tank Location
6,000 Gallon Gasoline USTs
- - - Property Line
- - - Approximate Limit of Excavation
— Edge of Asphalt
— Edge of Concrete Pavement
▨ Building Face

\odot Hydrant
WV Water Valve
GV Gas Valve
— Gas Line
— WM Watermain
— T Telephone Cable
 \square Telephone Booth
 \odot Light Post
— SAN Sanitary Line with Manhole
— E Electrical Line
 \bullet Reference Point
30N Grid Line (30' Interval)

FIGURE 3
GROUNDWATER ELEVATION
CONTOUR MAP (10/22/2008)

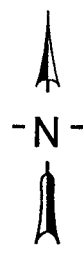
VACANT LOT
3223 W. COLLEGE AVENUE
TOWN OF GRAND CHUTE, WISCONSIN

OMNI ASSOCIATES

ONE SYSTEMS DRIVE
APPLETON, WI 54914
PHONE (920) 735-6900
FAX (920) 830-6100

PROJECT MANAGER:	DLF	PROJECT NO.:	N155602
PROJECT ENGINEER:	BDW	CAD FILE NO.:	N1556A2
DRAWN BY:	DLD	SCALE:	1"=30'
REVIEWED BY:	DLF	DATE:	11/24/2008

SMW4



Concrete Foundation (4 feet bgs)

Concrete Foundation (5 feet bgs)

Concrete Foundation (3 feet bgs)

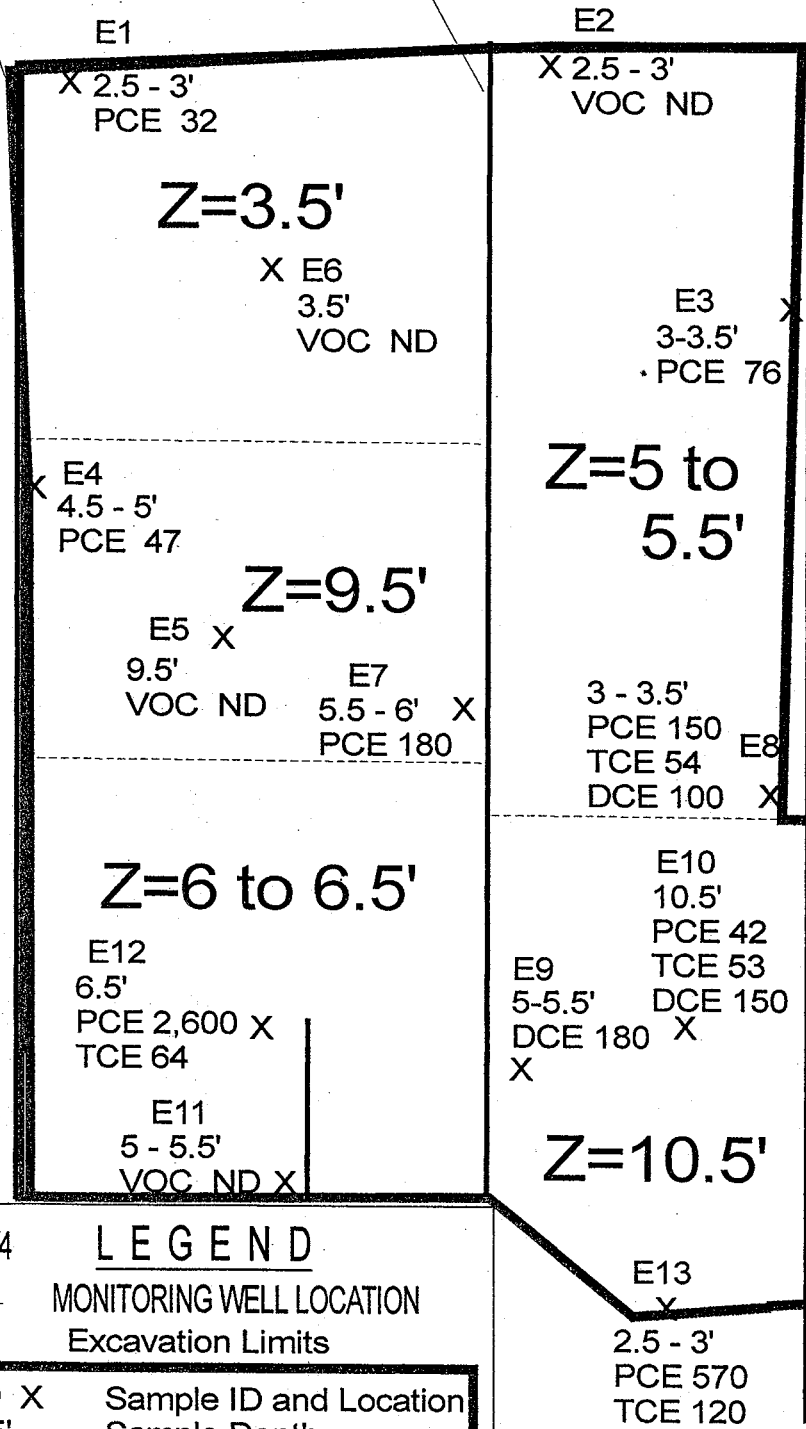
AAA Building

Alley

SMW9

SP6

Sidewalk



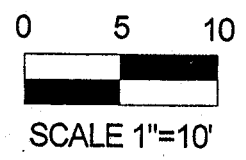
SMW4

LEGEND

MONITORING WELL LOCATION

Excavation Limits

E10 X Sample ID and Location
10.5' Sample Depth
PCE 42 Tetrachloroethene
TCE 53 Trichloroethene
DCE 150 cis-1,2-Dichloroethene
Z=10.5' Excavation Depth
All units in ug/kg
Only Detected Compounds Are Shown



TITLE: REMEDIAL EXCAVATION SOIL CHEMISTRY OCTOBER 11, 2005		<p>ALPHA TERRA SCIENCE</p>
SITE: Malchow Property - Appleton, WI		
DATE: 10/25/05	SCALE: 1"=10'	FILE: DRAWN BY: JPM FIGURE 2

MALCHOW PROPERTY
TABLE 1
SUMMARY OF LABORATORY ANALYSIS
GROUNDWATER SAMPLES - HISTORICAL

PARAMETER (µg/L)	ES	PAL	MW2																			
			4/21/99	9/24/99	1/6/00	9/13/00	3/15/01	6/21/01	10/11/01	1/8/02	4/12/02	7/16/02	1/31/03	5/8/03	10/5/05	1/4/06	1/4/06	4/12/06	9/20/07	5/6/08	10/22/08	
SAMPLE DATE																						
DETECTED VOCs			DUP																			
CIS-1,2-DICHLOROETHENE	70	7	NA	24	17	7.9	NS	1.4	6.5	14	10	10	NS	1.8	12	9.0	9.0	7.2	5.1	<0.44	14.9	
TRANS-1,2-DICHLOROETHENE	100	20	NA	0.53"J"	<0.38	<0.43	NS	<0.25	<0.25	0.26"J"	<0.59	<0.59	NS	<0.89	<0.89	<0.89	<0.89	<0.89	<0.95	<0.61	<0.61	
TETRACHLOROETHENE	5.0	0.5	NA	<0.35	<0.35	<0.34	NS	<0.22	<0.22	<0.22	<0.49	<0.49	NS	<0.45	<0.45	<0.45	<0.45	<0.45	<0.52	<0.5	2.09	
TRICHLOROETHENE	5.0	0.5	NA	2.1	<0.48	<0.46	NS	<0.24	0.45"J"	0.68"J"	<0.73	0.76"J"	NS	<0.48	5.7	3.8	3.5	2.8	4.9	<0.47	9.0	
VINYL CHLORIDE	0.2	0.02	NA	0.24"J"	<0.15	<0.87	NS	<0.25	<0.25	0.26"J"	<0.12	<0.12	NS	<0.18	<0.18	<0.18	<0.18	<0.18	<0.2	<0.2	0.45"J"	
O-XYLENE	620	124	NA	<0.32	<0.32	<0.64	NS	<0.26	<0.26	<0.26	<0.45	<0.45	NS	<0.83	<0.83	<0.83	<0.83	<0.83	<0.32	<0.67	<0.67	

ES = enforcement standard

PAL = preventive action limit

6.0 = sample concentration detected above the preventive action limit

170 = sample concentration detected above the enforcement standard

"J" = Analyte detected between the method of detection and the method of quantification.

NOTE: MW2 AND MW4 were sampled previous to 4/21/99 as part of a separate investigation on the adjacent property. Results are not listed in this table.

MW2 was dry on 3/15/01 and on 1/31/03

MALCHOW PROPERTY
TABLE 1
SUMMARY OF LABORATORY ANALYSIS
GROUNDWATER SAMPLES - HISTORICAL

PARAMETER (µg/L)	ES	PAL	MW4															
			4/21/99	9/24/99	1/6/00	9/13/00	12/15/00	3/15/01	6/21/01	10/11/01	1/8/02	4/12/02	7/16/02	1/31/03	5/8/03	10/6/05	10/22/08	
SAMPLE DATE																		
DETECTED VOCs																		
CIS-1,2-DICHLOROETHENE	70	7	NA	9.5	7.9"J"	5.2	5.9"J"	8.1	10	6.0	11	14	25	18	18	24	NS	
TRANS-1,2,-DICHLOROETHENE	100	20	NA	<0.38	<3.8	<0.43	<4.3	<2.2	<1.3	<1.3	<1.3	<3	<3	<0.80	<0.89	<0.89	NS	
TETRACHLOROETHENE	5.0	0.5	NA	260	100	200	110	80	93	100	120	110	100	92	180	150	NS	
TRICHLOROETHENE	5.0	0.5	NA	15	5.1	13	<4.6	4.9"J"	8.8	7.6	10	11"J"	13	12	17	18	NS	
VINYL CHLORIDE	0.2	0.02	NA	<0.15	<1.5	<0.87	<2	<1	<1.3	<1.3	<1.3	<0.6	<0.6	<0.11	<0.18	<0.18	NS	
O-XYLENE	620	124	NA	<0.32	<3.2	<0.64	<6.4	<3.2	<1.3	<1.3	<1.3	<2.3	<2.3	<0.73	<0.83	<0.83	NS	

ES = enforcement standard

PAL = preventive action limit

6.0 = sample concentration detected above the preventive action limit

170 = sample concentration detected above the enforcement standard

"J" = Analyte detected between the method of detection and the method of quantification.

NOTE: MW2 AND MW4 were sampled previous to 4/21/99 as part of a separate investigation on the adjacent property. Results are not listed in this table.

MW2 was dry on 3/15/01

MALCHOW PROPERTY
TABLE 1
SUMMARY OF LABORATORY ANALYSIS
GROUNDWATER SAMPLES - HISTORICAL

PARAMETER (µg/L)	ES	PAL	SMW1														
			4/21/99	9/24/99	1/6/00	9/13/00	12/15/00	3/15/01	6/21/01	10/11/01	1/8/02	4/12/02	7/16/02	1/31/03	5/8/03	10/6/05	10/22/08
SAMPLE DATE																	
DETECTED VOCs																	
CIS-1,2-DICHLOROETHENE	70	7	33	32	68	14	88	72	29	14	75	140	29	47	46	60	NS
TRANS-1,2,-DICHLOROETHENE	100	20	1.1"J"	1.2"J"	<3.8	<4.3	<4.3	<2.2	<1.3	<1.3	<2.5	<3	<5.9	1.5	<2.2	1.4	NS
TETRACHLOROETHENE	5.0	0.5	410	340	180	330	170	120	290	310	150	77	280	180	270	270	NS
TRICHLOROETHENE	5.0	0.5	34	41	78	29	39	69	35	34	69	110	34	68	58	60	NS
VINYL CHLORIDE	0.2	0.02	7.6	2.6	<1.5	<8.7	<2	10	<1.3	<1.3	<2.5	74	<1.2	<0.11	7.8	11	NS
O-XYLENE	620	124	<0.32	<0.32	<3.2	<6.4	<6.4	<3.2	<1.3	<1.3	<2.6	<2.3	<4.5	<0.73	<2.1	<0.83	NS

ES = enforcement standard

PAL = preventive action limit

6.0 = sample concentration detected above the preventive action limit

170 = sample concentration detected above the enforcement standard

"J" = Analyte detected between the method of detection and the method of quantification.

NOTE: MW2 AND MW4 were sampled previous to 4/21/99 as part of a separate investigation on the adjacent property. Results are not listed in this table.

MALCHOW PROPERTY

TABLE 1
SUMMARY OF LABORATORY ANALYSIS
GROUNDWATER SAMPLES - HISTORICAL

PARAMETER (µg/L)	ES	PAL	SMW2														
			4/21/99	9/24/99	1/6/00	9/13/00	12/15/00	3/15/01	6/21/01	10/11/01	1/8/02	4/12/02	7/16/02	1/31/03	5/8/03	10/6/05	10/22/08
SAMPLE DATE																	
DETECTED VOCs																	
CIS-1,2-DICHLOROETHENE	70	7	810	910	720	540	510	510	580	760	700	530	520	NS	690	410	NS
TRANS-1,2,-DICHLOROETHENE	100	20	<19	<19	<19	<4.3	<4.3	<4.3	<2.5	6.9"J"	<5	<12	<12	NS	9.2	4.9	NS
TETRACHLOROETHENE	5.0	0.5	35"J"	<18	39"J"	10"J"	5.1"J"	5.2"J"	6.2"J"	7.1	13"J"	<10	<10	NS	<4.5	12	NS
TRICHLOROETHENE	5.0	0.5	73"J"	54"J"	57"J"	29	24	16	28	68	66	24"J"	<15	NS	12	39	NS
VINYL CHLORIDE	0.2	0.02	660	580	210	340	170	160	250	490	370	280	260	NS	180	150	NS
O-XYLENE	620	124	<16	<16	17"J"	<6.4	<6.4	<6.4	<2.6	<2.9	<5.2	<9	<9	NS	<8.3	<3.3	NS

ES = enforcement standard

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6.0 = sample concentration detected above the preventive action limit

170 = sample concentration detected above the enforcement standard

"J" = Analyte detected between the method of detection and the method of quantification.

NOTE: MW2 AND MW4 were sampled previous to 4/21/99 as part of a separate investigation on the adjacent property. Results are not listed in this table.

SMW2 was dry on 1/31/03

MALCHOW PROPERTY

TABLE 1
SUMMARY OF LABORATORY ANALYSIS
GROUNDWATER SAMPLES - HISTORICAL

PARAMETER (µg/L)	ES	PAL	SMW4														
			12/15/00	3/15/01	6/21/01	10/11/01	1/8/02	4/12/02	7/16/02	1/31/03	5/8/03	10/6/05	1/5/06	4/12/06	9/20/07	5/6/08	10/22/08
DETECTED VOCs																	
CIS-1,2-DICHLOROETHENE	70	7	<0.37	<0.37	<0.21	<0.21	<1.1	<0.53	<0.53	<0.81	1.2	<0.83	<0.83	<0.83	<0.68	<0.44	<0.44
TRANS-1,2,-DICHLOROETHENE	100	20	<0.43	<0.43	<0.25	<0.25	<1.3	<0.59	<0.59	<0.80	<0.89	<0.89	<0.89	<0.89	<0.95	<0.61	<0.61
TETRACHLOROETHENE	5.0	0.5	69	29	51	87	38	44	56	29	42	61	44	46	57	45	62
TRICHLOROETHENE	5.0	0.5	<0.46	<0.46	<0.24	<0.24	<1.2	<0.73	<0.73	<0.39	0.5	<0.48	<0.48	<0.48	<0.44	<0.47	<0.47
VINYL CHLORIDE	0.2	0.02	<0.2	<0.2	<0.25	<0.25	<1.3	<0.12	<0.12	<0.11	<0.18	<0.18	<0.18	<0.18	0.29"J"	<0.2	<0.2
O-XYLENE	620	124	<0.64	<0.64	<0.26	<0.26	<0.26	<0.45	<0.45	<0.73	<0.83	<0.83	<0.83	<0.83	<0.32	<0.67	<0.67

ES = enforcement standard

PAL = preventive action limit

6.0 = sample concentration detected above the preventive action limit

170 = sample concentration detected above the enforcement standard

"J" = Analyte detected between the method of detection and the method of quantification.

SMW 3 and SMW5 were inaccessible on 3/15/01

MALCHOW PROPERTY

TABLE 1
SUMMARY OF LABORATORY ANALYSIS
GROUNDWATER SAMPLES - HISTORICAL

PARAMETER (µg/L)	ES	PAL	SMW5														
			9/13/00	3/15/01	6/21/01	10/11/01	1/8/02	4/12/02	7/16/02	1/31/03	5/8/03	10/6/05	1/5/06	4/16/06	9/20/07	5/6/08	10/22/08
SAMPLE DATE			9/13/00	3/15/01	6/21/01	10/11/01	1/8/02	4/12/02	7/16/02	1/31/03	5/8/03	10/6/05	1/5/06	4/16/06	9/20/07	5/6/08	10/22/08
DETECTED VOCs																	
CIS-1,2-DICHLOROETHENE	70	7	19	NS	8.8	8.9	7.9	10	8.4	NS	7.2	6.6	5.6	6.9	7.9	6.9	6.5
TRANS-1,2,-DICHLOROETHENE	100	20	1.7	NS	0.36"J"	0.78"J"	0.42"J"	0.61"J"	<0.59	NS	<0.89	<0.89	<0.89	<0.89	<0.95	0.74"J"	0.89"J"
TETRACHLOROETHENE	5.0	0.5	<0.34	NS	<0.22	<0.22	<0.22	<0.49	<0.49	NS	<0.45	<0.45	<0.45	<0.45	<0.52	<0.5	<0.5
TRICHLOROETHENE	5.0	0.5	<0.46	NS	<0.24	<0.24	<0.24	<0.73	<0.73	NS	<0.48	<0.48	<0.48	<0.48	<0.44	<0.47	<0.47
VINYL CHLORIDE	0.2	0.02	1.9"J"	NS	2.4	6.7	5.4	2.8	3.1	NS	4.2	7.0	3.7	3.8	6.2	5.1	5.9
O-XYLENE	620	124	<0.64	NS	<0.26	<0.26	<0.26	<0.45	<0.45	NS	<0.83	<0.83	<0.83	<0.83	<0.32	<0.67	<0.67

ES = enforcement standard

PAL = preventive action limit

6.0 = sample concentration detected above the preventive action limit

170 = sample concentration detected above the enforcement standard

"J" = Analyte detected between the method of detection and the method of quantification.

SMW5 was inaccessible on 3/15/01 and 1/31/03

MALCHOW PROPERTY
TABLE 1
SUMMARY OF LABORATORY ANALYSIS
GROUNDWATER SAMPLES - HISTORICAL

PARAMETER (µg/L)	ES	PAL	SMW6													SMW7								
			9/13/00	12/15/00	3/15/01	6/21/01	10/11/01	1/8/02	4/12/02	7/16/02	1/31/03	5/8/03	10/5/05	1/4/06	10/22/08	10/11/01	1/8/02	4/12/02	7/16/02	1/31/03	5/8/03	10/5/05	1/4/06	10/22/08
DETECTED VOCs																								
CIS-1,2-DICHLOROETHENE	70	7	<0.37	<0.37	NS	<0.21	<0.21	<0.21	NS	<0.53	<0.81	<0.83	<0.83	<0.83	NS	<0.21	0.32**	NS	<0.53	<0.81	<0.83	<0.83	<0.83	NS
TRANS-1,2,-DICHLOROETHENE	100	20	<0.43	<0.43	NS	<0.25	<0.25	<0.25	NS	<0.59	<0.80	<0.89	<0.89	<0.89	NS	<0.25	<0.25	NS	<0.59	<0.80	<0.89	<0.89	<0.89	NS
TETRACHLOROETHENE	5.0	0.5	<0.34	<0.34	NS	<0.22	<0.22	<0.22	NS	<0.49	<0.63	<0.45	<0.45	<0.45	NS	<0.22	<0.22	NS	<0.49	<0.63	<0.45	<0.45	<0.45	NS
TRICHLOROETHENE	5.0	0.5	<0.46	<0.46	NS	<0.24	<0.24	<0.24	NS	<0.73	<0.39	<0.48	<0.48	<0.48	NS	<0.24	<0.24	NS	<0.73	<0.39	<0.48	<0.48	<0.48	NS
VINYL CHLORIDE	0.2	0.02	<0.87	<0.2	NS	<0.25	<0.25	<0.25	NS	<0.12	<0.11	<0.18	<0.18	<0.18	NS	<0.25	<0.25	NS	<0.12	<0.11	<0.18	<0.18	<0.18	NS
O-XYLENE	620	124	<0.64	<0.64	NS	<0.26	<0.26	<0.26	NS	<0.45	<0.73	<0.83	<0.83	<0.83	NS	<0.26	<0.26	NS	<0.45	<0.73	<0.83	<0.83	<0.83	NS

ES = enforcement standard

PAL = preventive action limit

6.0 = sample concentration detected above the preventive action limit

170 = sample concentration detected above the enforcement standard

** = Analyte detected between the method of detection and the method of quantification.

Piezometers SP1 - SP3 were not installed during the September 13, 2000, sampling event.

MALCHOW PROPERTY
TABLE 1
SUMMARY OF LABORATORY ANALYSIS
GROUNDWATER SAMPLES - HISTORICAL

PARAMETER (µg/L)	ES	PAL	SMW8							SMW9									
			4/12/02	7/16/02	1/31/03	5/8/03	10/5/05	1/4/06	10/22/08	4/12/02	7/16/02	1/31/03	5/8/03	10/6/05	10/6/05	1/5/06	4/12/06*	9/20/07	10/22/08
DETECTED VOCs										DUP									
CIS-1,2-DICHLOROETHENE	70	7	<0.53	<0.53	<0.81	<0.83	<0.83	<0.83	NS	2	0.67"J"	2.2	1.0	1.6	1.6	<0.83	6.9	6.6	NS
TRANS-1,2,-DICHLOROETHENE	100	20	<0.59	<0.59	<0.80	<0.89	<0.89	<0.89	NS	<0.59	<0.59	<0.80	<0.89	<0.89	<0.89	<0.89	<0.89	<0.95	NS
TETRACHLOROETHENE	5.0	0.5	<0.49	<0.49	<0.63	<0.45	<0.45	<0.45	NS	50	72	41	55	39	35	13	35	25.7	NS
TRICHLOROETHENE	5.0	0.5	<0.73	<0.73	<0.39	<0.48	<0.48	<0.48	NS	5	4.4	6.4	4.3	3.3	3.2	0.62	5.9	6.2	NS
VINYL CHLORIDE	0.2	0.02	<0.12	<0.12	<0.11	<0.18	<0.18	<0.18	NS	<0.12	<0.12	<0.11	<0.18	<0.18	<0.18	<0.18	<0.18	1.05	NS
O-XYLENE	620	124	<0.45	<0.45	<0.73	<0.83	<0.83	<0.83	NS	<0.45	<0.45	<0.73	<0.83	<0.83	<0.83	<0.83	<0.83	<0.32	NS

ES = enforcement standard

PAL = preventive action limit

6.0 = sample concentration detected above the preventive action limit

170 = sample concentration detected above the enforcement standard

"J" = Analyte detected between the method of detection and the method of quantification.

Piezometers SP1 - SP3 were not installed during the September 13, 2000, sampling event.

* = Chloromethane was detected between the limit of detection and the limit of quantitation.

MALCHOW PROPERTY
TABLE I
SUMMARY OF LABORATORY ANALYSIS
GROUNDWATER SAMPLES - HISTORICAL

PARAMETER (µg/L)	ES	PAL	SMW10									SM11			SM12				
			4/12/02	7/16/02	1/31/03	5/8/03	10/6/05	1/5/06	4/12/06*	9/20/07	10/22/08	1/31/03	5/8/03	10/22/08	1/31/03	5/8/03	10/5/05	1/4/06	10/22/08
DETECTED VOCs																			
CIS-1,2-DICHLOROETHENE	70	7	3.9"J"	<5.3	2.8	4.1	5.7	2.8	3.9	9.2	NS	0.91	<0.83	NS	<0.81	<0.83	<0.83	<0.83	NS
TRANS-1,2-DICHLOROETHENE	100	20	<3	<5.9	<0.80	<2.2	1.1	<0.89	<0.89	2.2"J"	NS	<0.80	<0.89	NS	<0.80	<0.89	<0.89	<0.89	NS
TETRACHLOROETHENE	5.0	0.5	170	140	69	280	180	130	110	137	NS	<0.63	<0.45	NS	<0.63	<0.45	<0.45	<0.45	NS
TRICHLOROETHENE	5.0	0.5	<3.7	<7.3	4.8	4.7	10	5.5	6.3	12.9	NS	<0.39	<0.48	NS	<0.39	<0.48	<0.48	<0.48	NS
VINYL CHLORIDE	0.2	0.02	<0.6	<1.2	<0.11	<0.45	<0.18	<0.18	<0.18	<0.2	NS	<0.11	<0.18	NS	<0.11	<0.18	<0.18	<0.18	NS
O-XYLENE	620	124	<2.3	<4.5	<0.73	<2.1	<0.83	<0.83	<0.83	<0.32	NS	<0.73	<0.83	NS	<0.73	<0.83	<0.83	<0.83	NS

ES = enforcement standard

PAL = preventive action limit

6.0 = sample concentration detected above the preventive action limit

170 = sample concentration detected above the enforcement standard

"J" = Analyte detected between the method of detection and the method of quantification.

Piezometers SP1 - SP3 were not installed during the September 13, 2000, sampling event.

* = Chloromethane was detected between the limit of detection and the limit of quantitation.

MALCHOW PROPERTY

TABLE 1
SUMMARY OF LABORATORY ANALYSIS
GROUNDWATER SAMPLES - HISTORICAL

PARAMETER (µg/L)	ES	PAL	SP1													
			12/15/00	3/15/01	6/21/01	10/11/01	1/8/02	4/12/02	7/16/02	1/31/03	5/8/03	10/5/05	1/4/06	4/12/06	5/6/08	10/22/08
DETECTED VOCs																
CIS-1,2-DICHLOROETHENE	70	7	0.41"J"	<0.37	<0.21	<0.21	<0.21	NS	<0.53	<0.81	<0.83	<0.83	<0.83	<0.83	<0.44	NS
TRANS-1,2,-DICHLOROETHENE	100	20	<0.43	<0.43	<0.25	<0.25	<0.25	NS	<0.59	<0.80	<0.89	<0.89	<0.89	<0.89	<0.61	NS
TETRACHLOROETHENE	5.0	0.5	<0.34	<0.34	<0.22	<0.22	<0.22	NS	<0.49	<0.63	<0.45	<0.45	<0.45	<0.45	<0.5	NS
TRICHLOROETHENE	5.0	0.5	<0.46	<0.46	<0.24	<0.24	<0.24	NS	<0.73	<0.39	<0.48	<0.48	<0.48	<0.48	<0.47	NS
VINYL CHLORIDE	0.2	0.02	<0.2	<0.2	<0.25	<0.25	<0.25	NS	<0.12	<0.11	<0.18	<0.18	<0.18	<0.18	<0.2	NS
O-XYLENE	620	124	<0.64	<0.64	<0.26	<0.26	<0.26	NS	<0.45	<0.73	<0.83	<0.83	<0.83	<0.83	<0.67	NS

ES = enforcement standard

PAL = preventive action limit

6.0 = sample concentration detected above the preventive action limit

170 = sample concentration detected above the enforcement standard

"J" = Analyte detected between the method of detection and the method of quantification.

Piezometers SP1 - SP3 were not installed during the September 13, 2000, sampling event.

MALCHOW PROPERTY

TABLE 1
SUMMARY OF LABORATORY ANALYSIS
GROUNDWATER SAMPLES - HISTORICAL

PARAMETER (µg/L)	ES	PAL	SP2													
			12/15/00	3/15/01	6/21/01	10/11/01	1/8/02	4/12/02	7/16/02	1/31/03	5/8/03	10/5/05	1/4/06	4/12/06	5/6/08	10/22/08
DETECTED VOCs																
CIS-1,2-DICHLOROETHENE	70	7	<0.37	<0.37	<0.21	<0.21	<0.21	NS	<0.53	<0.81	<0.83	<0.83	<0.83	<0.83	0.49"J"	NS
TRANS-1,2,-DICHLOROETHENE	100	20	<0.43	<0.43	<0.25	<0.25	<0.25	NS	<0.59	<0.80	<0.89	<0.89	<0.89	<0.89	<0.61	NS
TETRACHLOROETHENE	5.0	0.5	<0.34	<0.34	<0.22	<0.22	<0.22	NS	<0.49	<0.63	<0.45	<0.45	<0.45	<0.45	<0.5	NS
TRICHLOROETHENE	5.0	0.5	<0.46	<0.46	<0.24	<0.24	<0.24	NS	<0.73	<0.39	<0.48	<0.48	<0.48	<0.48	<0.47	NS
VINYL CHLORIDE	0.2	0.02	<0.2	<0.2	<0.25	<0.25	<0.25	NS	<0.12	<0.11	<0.18	<0.18	<0.18	<0.18	<0.2	NS
O-XYLENE	620	124	<0.64	<0.64	<0.26	<0.26	<0.26	NS	<0.45	<0.73	<0.83	<0.83	<0.83	<0.83	<0.67	NS

ES = enforcement standard

PAL = preventive action limit

6.0 = sample concentration detected above the preventive action limit

170 = sample concentration detected above the enforcement standard

"J" = Analyte detected between the method of detection and the method of quantification.

Piezometers SP1 - SP3 were not installed during the September 13, 2000, sampling event.

MALCHOW PROPERTY

TABLE 1
SUMMARY OF LABORATORY ANALYSIS
GROUNDWATER SAMPLES - HISTORICAL

PARAMETER (µg/L)	ES	PAL	SP3											
			11/02/00	12/15/00	3/15/01	6/21/01	10/11/01	1/8/02	4/12/02	7/16/02	1/31/03	5/8/03	10/6/05	10/22/08
DETECTED VOCs														
CIS-1,2-DICHLOROETHENE	70	7	50	17	9.3	10	8.1	15	18	16	20	18	27	NS
TRANS-1,2-DICHLOROETHENE	100	20	0.87"J"	<0.43	<0.43	<0.25	<0.25	<0.25	<0.59	<0.59	<0.80	<0.89	<0.89	NS
TETRACHLOROETHENE	5.0	0.5	2.3	0.88	<0.34	<0.22	3	<0.22	<0.49	<0.49	<0.63	<0.45	<0.45	NS
TRICHLOROETHENE	5.0	0.5	<0.46	<0.46	<0.46	<0.24	<0.24	<0.24	<0.73	<0.73	<0.39	<0.48	<0.48	NS
VINYL CHLORIDE	0.2	0.02	<0.2	<0.2	<0.2	<0.25	0.52"J"	0.55"J"	<0.12	<0.12	1.0	0.73	1.8	NS
O-XYLENE	620	124	<0.64	<0.64	<0.64	<0.26	<0.26	<0.26	<0.45	<0.45	<0.73	<0.83	<0.83	NS

ES = enforcement standard

PAL = preventive action limit

6.0 = sample concentration detected above the preventive action limit

170 = sample concentration detected above the enforcement standard

"J" = Analyte detected between the method of detection and the method of quantification.

Piezometers SP1 - SP3 were not installed during the September 13, 2000, sampling event.

MALCHOW PROPERTY
TABLE 1
SUMMARY OF LABORATORY ANALYSIS
GROUNDWATER SAMPLES - HISTORICAL

PARAMETER (µg/L)	ES	PAL	SP4										
			1/8/02	4/12/02	7/16/02	1/31/03	5/8/03	10/5/05	1/4/06	4/12/06	9/20/07	5/6/08	10/22/08
DETECTED VOCs													
CIS-1,2-DICHLOROETHENE	70	7	1.7	NS	3.8	1.2	1.9	2.7	1.2	2.1"J"	1.64"J"	1.1"J"	0.80"J"
TRANS-1,2,-DICHLOROETHENE	100	20	<0.25	NS	<0.59	<0.80	<0.89	<0.89	<0.89	<0.89	<0.95	<0.61	<0.61
TETRACHLOROETHENE	5.0	0.5	<0.22	NS	<0.49	<0.63	<0.45	<0.45	<0.45	<0.45	<0.52	<0.5	<0.5
TRICHLOROETHENE	5.0	0.5	<0.24	NS	<0.73	<0.39	<0.48	<0.48	<0.48	<0.48	<0.44	<0.47	<0.47
VINYL CHLORIDE	0.2	0.02	<0.25	NS	<0.12	<0.11	<0.18	2.5	0.55	0.61	0.57"J"	0.36"J"	0.80
O-XYLENE	620	124	<0.26	NS	<0.45	<0.73	<0.83	<0.83	<0.83	<0.83	<0.32	<0.67	<0.67

ES = enforcement standard

PAL = preventive action limit

6.0 = sample concentration detected above the preventive action limit

170 = sample concentration detected above the enforcement standard

"J" = Analyte detected between the method of detection and the method of quantification.

MALCHOW PROPERTY
 TABLE 1
 SUMMARY OF LABORATORY ANALYSIS
 GROUNDWATER SAMPLES - HISTORICAL

PARAMETER (µg/L)	ES	PAL	SP5							SP6						SP7				
			4/12/02	7/16/02	1/31/03	5/8/03	10/5/05	1/4/06	5/6/08	4/12/02	7/16/02	1/31/03	5/8/03	10/6/05	1/5/06	5/6/08	1/31/03	5/8/03	10/5/05	1/4/06
DETECTED VOCs																				
CIS-1,2-DICHLOROETHENE	70	7	8.4	11	8.6	<0.83	1.1	<0.83	1.35**	<0.53	<0.53	<0.81	<0.83	<0.83	<0.83	<0.44	<0.81	<0.83	1.4	<0.83
TRANS-1,2-DICHLOROETHENE	100	20	<0.59	0.68**	<0.80	<0.89	<0.89	<0.89	<0.61	<0.59	<0.59	<0.80	<0.89	<0.89	<0.89	<0.61	<0.80	<0.89	<0.89	<0.89
TETRACHLOROETHENE	5.0	0.5	<0.49	<0.49	<0.63	<0.45	<0.45	<0.45	<0.5	<0.49	<0.49	<0.63	<0.45	<0.45	<0.45	<0.5	<0.63	<0.45	<0.45	<0.45
TRICHLOROETHENE	5.0	0.5	<0.73	<0.73	<0.39	<0.48	<0.48	<0.48	<0.47	<0.73	<0.73	<0.39	<0.48	<0.48	<0.48	<0.47	<0.39	<0.48	<0.48	<0.48
VINYL CHLORIDE	0.2	0.02	<0.12	0.51	<0.11	<0.18	<0.18	<0.18	<0.2	<0.12	<0.12	<0.11	<0.18	<0.18	<0.18	<0.2	<0.11	<0.18	<0.18	<0.18
O-XYLENE	620	124	<0.45	<0.45	<0.73	<0.83	<0.83	<0.83	<0.67	<0.45	<0.45	<0.73	<0.83	<0.83	<0.83	<0.67	<0.73	<0.83	<0.83	<0.83

ES = enforcement standard

PAL = preventive action limit

6.0 = sample concentration detected above the preventive action limit

170 = sample concentration detected above the enforcement standard

** = Analyte detected between the method of detection and the method of quantification.

Piezometers SP1 - SP3 were not installed during the September 13, 2000, sampling event.

* = Duplicate sample had 2.2 µg/l of 1,1-Dichloroethene

** = Chloromethane was detected between the limit of detection and the limit of quantitation.

TABLE 3
SOIL ANALYTICAL RESULTS - VOC PARAMETERS
MALCHOW PROPERTY, APPLETON, WI

Sample ID	Date	Depth (feet)	Location	PID (su)	cis-1,2-Dichloro ethene (ug/kg)	Tetrachloro ethene (ug/kg)	Trichloro ethene (ug/kg)
E1	10/11/05	2.5-3'	Northwest Wall	0.0	<25	32	<25
E2	10/11/05	2.5-3'	North Wall	0.0	<25	<25	<25
E3	10/11/05	3-3.5'	East Wall	0.0	<25	76	<25
E4	10/11/05	4.5-5'	West Wall	0.0	<25	47	<25
E5	10/11/05	9.5'	Center Floor	0.0	<25	<25	<25
E6	10/11/05	3.5'	North Floor	0.0	<25	<25	<25
E7	10/11/05	5.5-6'	Center Wall	0.0	<25	180	<25
E8	10/11/05	3-3.5'	East Wall	0.0	100	150	54
E9	10/11/05	5-5.5'	Center Wall South	0.0	180	<25	<25
E10	10/11/05	10.5'	South Floor	NA	150	42	53
E11	10/11/05	5-5.5'	South Wall	0.0	<25	<25	<25
E12	10/11/05	6.5'	South Floor	0.0	<25	2,600	64
E13	10/11/05	2.5-3'	South Wall	0.0	<25	570	120
E14	10/11/05	2.5-3'	South Wall	0.0	<25	<25	<25
E15	10/11/05	3.5-4'	East Wall	0.0	<25	<25	<25
E16	10/11/05	3-3.5'	East Wall	0.0	<25	<25	<25

Notes: NA = Not Analyzed for Parameter
ug/kg = parts per billion equivalent

Attachment 4
GIS Registry Packet

Removed + placed
w/ updated GIS Checklist
+ Cover sheet AB

LETTER OF TRANSMITTAL

To: WDNR - GIS Dept.
2984 Shawano Avenue
Green Bay, WI 54313

Date: October 12, 2011
Project No.: N1996A08
Project: Former Malchow Property
Client:

We are sending you Attached Under separate cover via _____ the following items:
 Shop drawings Prints Plans Samples Specifications Copy of letter Change order
 Other GIS packet and fees

Copies	Date	No.	Description
1			

These are transmitted as checked below:

- | | | |
|--|---|---|
| <input type="checkbox"/> For approval | <input type="checkbox"/> Approved as submitted | <input type="checkbox"/> Resubmit _____ copies for approval |
| <input checked="" type="checkbox"/> For your use | <input type="checkbox"/> Approved as noted | <input type="checkbox"/> Submit _____ copies for distribution |
| <input checked="" type="checkbox"/> As requested | <input type="checkbox"/> Returned for corrections | <input type="checkbox"/> Return _____ corrected prints |
| <input checked="" type="checkbox"/> For review and comment | <input type="checkbox"/> Other _____ | |
| <input type="checkbox"/> For bids due _____ | <input type="checkbox"/> Prints returned after loan to us | |

Remarks:

Signed: _____

Dave Fries
Hydrogeologist
920-735-6900
dave.fries@omni.com

Copy to:

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 #:

02-45-228649

PARCEL ID #:

ACTIVITY NAME:

Former Malchow Property

WTM COORDINATES: X:

643309

Y:

422029

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:**

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 Detail Map

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 #: 3 and 4 Title: PCE and TCE Concentrations in the Soil and Remediation Excavation Soil Chemistry

BRRTS #: 02-45-228649

ACTIVITY NAME: Former Malchow Property

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: Diagrammatic Cross-Section of Stratigraphy from A-A'

Figure #: 6 Title: Diagrammatic Cross-Section of Stratigraphy from B-B'

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 #: 7 Title: Approximate Extent of Groundwater Contamination (10/22/08)

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 #: 8 Title: Groundwater Elevation Contour Map (10/22/2008)

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 and 3 Title: Summary of Laboratory Analysis, Soil Boring Samples and Soil Analytical Results - VOC

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 Title: Summary of Laboratory Analysis, Groundwater Samples - Historical

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: Well Specific Field Sheets

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 #: 2 Title: Site Detail Map

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 #: 02-45-228649

ACTIVITY NAME: Former Malchow Property

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: 1