GIS REGISTRY INFORMATION

SITE NAME: Cassian Town Garage

BRRTS #: 03-44-001138

CLOSURE DATE: 4/14/03

STREET ADDRESS: 8928 Church Rd

CITY: Harshaw, WI

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection): X= 546531 Y= 577125

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

IF YES, STREET ADDRESS 1: _____

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

IF YES, STREET ADDRESS 2: _____

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

IF YES, STREET ADDRESS 3: _____

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

IF YES, STREET ADDRESS 4: _____

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

IF YES, STREET ADDRESS 5: _____

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

SOIL CONTAMINATION >GENERIC OR SITE-SPECIFIC RCL: ☐ Yes ☐ No

IF YES, STREET ADDRESS 1: _____

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

IF YES, STREET ADDRESS 2: _____

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 ☐ N/A

County Parcel ID number, *if used for county*, for all affected properties ☒ 0021-953-1

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 site-specific residual contaminant levels.	X	
Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)	X	
Tables of Latest Soil Analytical Results (no shading or cross-hatching)	X	
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.**		N/A
GW: Table of water level elevations, with sampling dates, and free product noted if present	X	
GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)	X	
SOIL: Latest horizontal extent of contamination exceeding generic or site-specific RCLs, with one contour.		N/A
Geologic cross-sections, ***If required for SI.*** (8.5x14' if paper copy)	X	
RP certified statement that legal descriptions are complete and accurate	X	
Copies of off-source notification letters (if applicable)		N/A
Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)		N/A
Copy of (soil or land use) deed restriction(s) or deed notice ***If any required as a condition of closure.***	X	

WISCONSIN
DEPT. OF NATURAL RESOURCES

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
William H. Smith, Regional Director

Northern Region Headquarters
107 Sutliff Ave.
Rhinelander, Wisconsin 54501-0818
Telephone 715-365-8900
FAX 715-365-8932
TDD 715-365-8957

May 7, 2003

Town of Cassian
3853 Hwy 51
Harshaw, WI 54529

SUBJECT: Final Case Closure By Closure Committee
Cassian Town Garage, 8928 Church Rd, Harshaw, WI
WDNR BRRTS #: 03-44-001138
PECFA # 54529-9586-28

To Whom It May Concern:

On December 5, 2002, the site as described above was reviewed for closure by the Northern Region Closure Committee. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On December 10, 2002, you were notified that the Closure Committee had granted conditional closure to this case.

On april 14, 2003, the Department received correspondence indicating that you have complied with the conditions of closure, specifically, a copy of the recorded deed restrction. Based on the correspondence and data provided, it appears that your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code. The Department considers this case closed and no further investigation, remediation or other action is required at this time.

Please be aware that this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety or welfare, or the environment.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at 715-365-8990.

Sincerely,
NORTHERN REGION

Janet Kazda

Janet Kazda
Remediation and Redevelopment Program

cc: File

Heather Krauel
MSA
1835 N Stevens St
Rhinelander, WI 54501

WISCONSIN
DEPT. OF NATURAL RESOURCES

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor
Darrell Bazzell, Secretary
William H. Smith, Regional Director

Northern Region Headquarters
107 Sutliff Ave.
Rhinelander, Wisconsin 54501-0818
Telephone 715-365-8900
FAX 715-365-8932
TDD 715-365-8957

December 10, 2002

Town of Cassian
3853 Hwy 51
Harshaw, WI 54529

Subject: Conditional Case Closure
Cassian Town Garage, 8928 Church Rd, Harshaw, Wisconsin
WDNR BRRTS # 03-44-001138
PECFA # 54529-9586-28

Dear Town of Cassian:

On December 5, 2002, your request for closure of the case described above was reviewed by the Northern Region Closure Committee. The Closure Committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After careful review of the closure request, the Closure Committee has determined that the petroleum contamination on the site appears to have been investigated and remediated to the extent practicable under site conditions. Your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code and will be closed if the following conditions are satisfied:

The monitoring wells and all other remediation equipment at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm.. Documentation of well abandonment must be submitted to me on Form 3300-5B found at www.dnr.state.wi.us/org/water/dgw/gw/ or provided by the Department of Natural Resources

To close this site, the Department requires that a deed restriction be signed and recorded to address the issue of the remaining soil contamination associated with the site. The purpose of the restriction is to require that the owner of the property investigate the degree and extent of residual contamination that is currently inaccessible, if structural impediments that currently exist on the property are removed.

You will need to submit a draft deed restriction to me before the document is signed and recorded. You may find a model deed restriction enclosed for your use or visit our web site at www.dnr.state.wi.us/org/rr. To assist us in our review of the deed restriction, you should submit a copy of the property deed to me along with the draft document. After the Department of Natural Resources has reviewed the draft document for completeness, you should sign it if you own the property, or have the appropriate property owner sign it, and have it recorded by the Oneida County Register of Deeds. Then you must submit a copy of the recorded document, with the recording information stamped on it, to me. Please be aware that if a deed restriction is recorded for the wrong property because of an inaccurate legal description that you have provided, you will be responsible for recording corrected documents at the Register of Deeds

Office to correct the problem.

The following items were not included in the GIS Registry package:

1. The County Parcel ID number.
2. A statement signed by the responsible party that states that he or she believes that the legal descriptions attached to the statement are complete and accurate.

Please submit these items to me at the above address at your earliest convenience.

When the above conditions have been satisfied, please submit a letter to let me know that applicable conditions have been met, and your case will be closed. 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 registry. To review the sites on the GIS Registry web page, visit http://gomapout.dnr.state.wi.us/org/at/et/geo/gwur/index.htm]

If this is a PECFA site, 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.

Please be aware that the case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or to the environment.

We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at 715-365-8990.

Sincerely,
NORTHERN REGION

Janet Kazda

Janet Kazda
Remediation and Redevelopment Program

Enclosure

cc: File
Chuck Weister, Rhinelander

Heather Krauel
MSA
1835 N Stevens St
Rhinelander, WI 54501

DOCUMENT NO.
345870

WARRANTY DEED
STATE OF WISCONSIN—FORM 9

THIS SPACE RESERVED FOR RECORDING DATA

ONEIDA COUNTY, WIS.
Received for Record the 31st
day of December A. D. 19 85
at 4:10 o'clock P M. and Recorded in
Vol. 536 of Records on page 315
Doris Verrage-Kuehn
REGISTER OF DEEDS

RETURN TO ECKERT LAW OFFICE
P.O. Box 1247
Rhinelander, WI 54501

THIS INDENTURE, Made by Rene Stimart and Dixie Stimart

grantor s. of Oneida County, Wisconsin, hereby conveys and warrants to Town of Cassian

grantee of Oneida County, Wisconsin for the sum of $1 and other good and valuable consideration

the following tract of land in Oneida County, Wisconsin:

A parcel of land being part of the SW ¼ of the NE ¼, Section 30, T37N, R7E, Town of Cassian, Oneida County, Wisconsin, more particularly described as follows:

Commencing at the southeast corner of the SW ¼ of the NE ¼, Section 30, T37N, R7E; thence west on the south line of the SW ¼ of the NE ¼, 524.7 feet to a point in the centerline of Church Road; thence North 33.0 feet to the place of beginning marked by an iron pipe on the northerly right of way line of Church Road and the southeast corner as described in Volume 175, page 252.

Thence North 200.0 feet along the east line premises as described in Volume 175, page 252 to the northeast corner as described in Volume 175, page 252 marked by an iron pipe; thence west 200.0 feet along the north line as described in Volume 175, page 252 to the northwest corner as described in Volume 175, page 252 marked by an iron pipe; thence south 200.0 feet along the west line as described in Volume 175, page 252 to the southwest corner as described in Volume 175, page 252, marked by an iron pipe on the northerly right of way line of Church Road; thence west 400.0 feet along the northerly right of way line of Church Road to an iron pipe; thence North 500.0 feet to an iron pipe; thence East 610.0 feet to an iron pipe on the westerly right of way line of Popular Road; thence along said right of way line S 33° 01' E, 238.6 feet to an iron pipe and S 20° 48' E, 320.9 feet to an iron pipe at the intersection of the westerly right of way line of Popular Road and the northerly right of way line of Church Road; thence west 254.0 feet along the northerly right of way line of Church Road to the place of beginning.

Said parcel of land is 7.6 acres.

FEE
$7.25 (2)
EXEMPT

In Witness Whereof, the said grantor s. ha ve hereunto set their hand s. and seal s. this 31st day of December, A. D., 1985

SIGNED AND SEALED IN PRESENCE OF

Julie K. Smoczyk

Julie K. Smoczyk

Terry J. Kallio

Terry J. Kallio

Rene Stimart (SEAL)

Dixie Stimart (SEAL)

(SEAL)

(SEAL)

State of Wisconsin, Oneida County. } Personally came before me, this 31 day of December, A. D., 1985, the above named Rene Stimart and Dixie Stimart

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

VOL 536 PAGE 315

THIS INSTRUMENT WAS DRAFTED BY

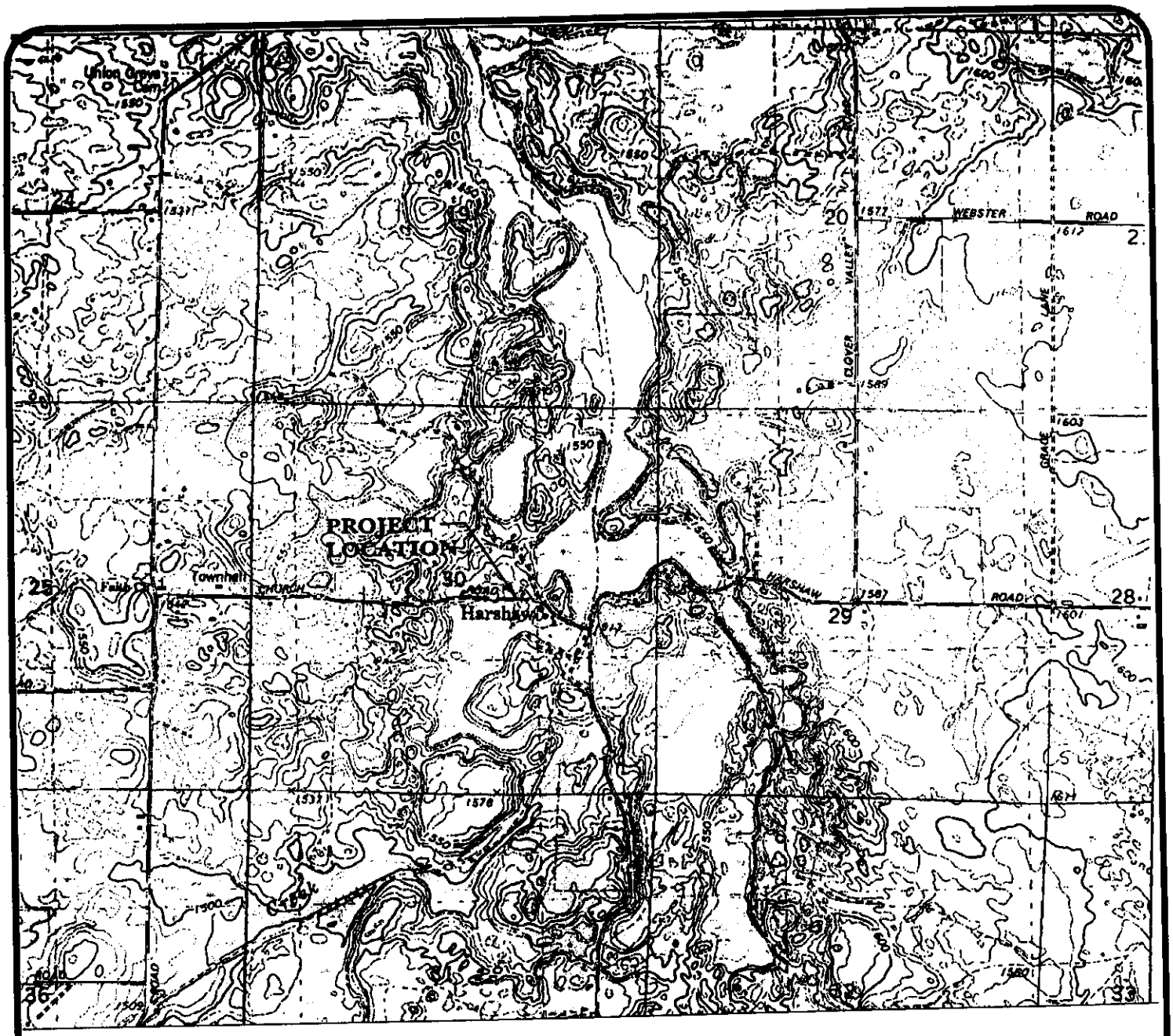
ECKERT LAW OFFICE

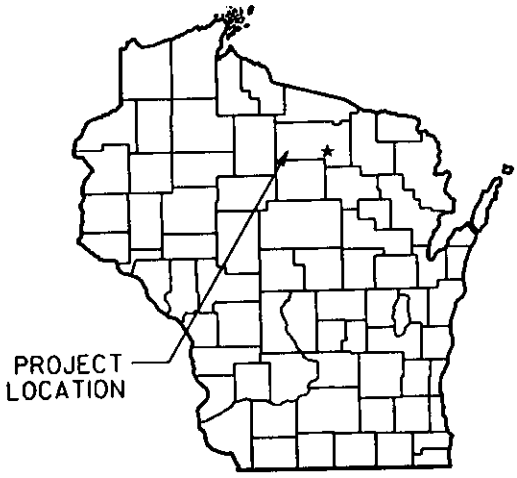
NOTARY SEAL

Notary Public, Oneida County, Wis.

My commission (expires) (is)

(Section 59.51 (1) of the Wisconsin Statutes provides that all instruments to be recorded shall have plainly printed or typewritten thereon the names of the grantors, grantees, witnesses and notary. Section 59.515 similarly requires that the name of the person who, or governmental agency which, drafted such instrument, shall be printed, typewritten, stamped or written thereon in a legible manner.)





2000 0 2000

SCALE IN FEET
1 INCH = 2000 FT.

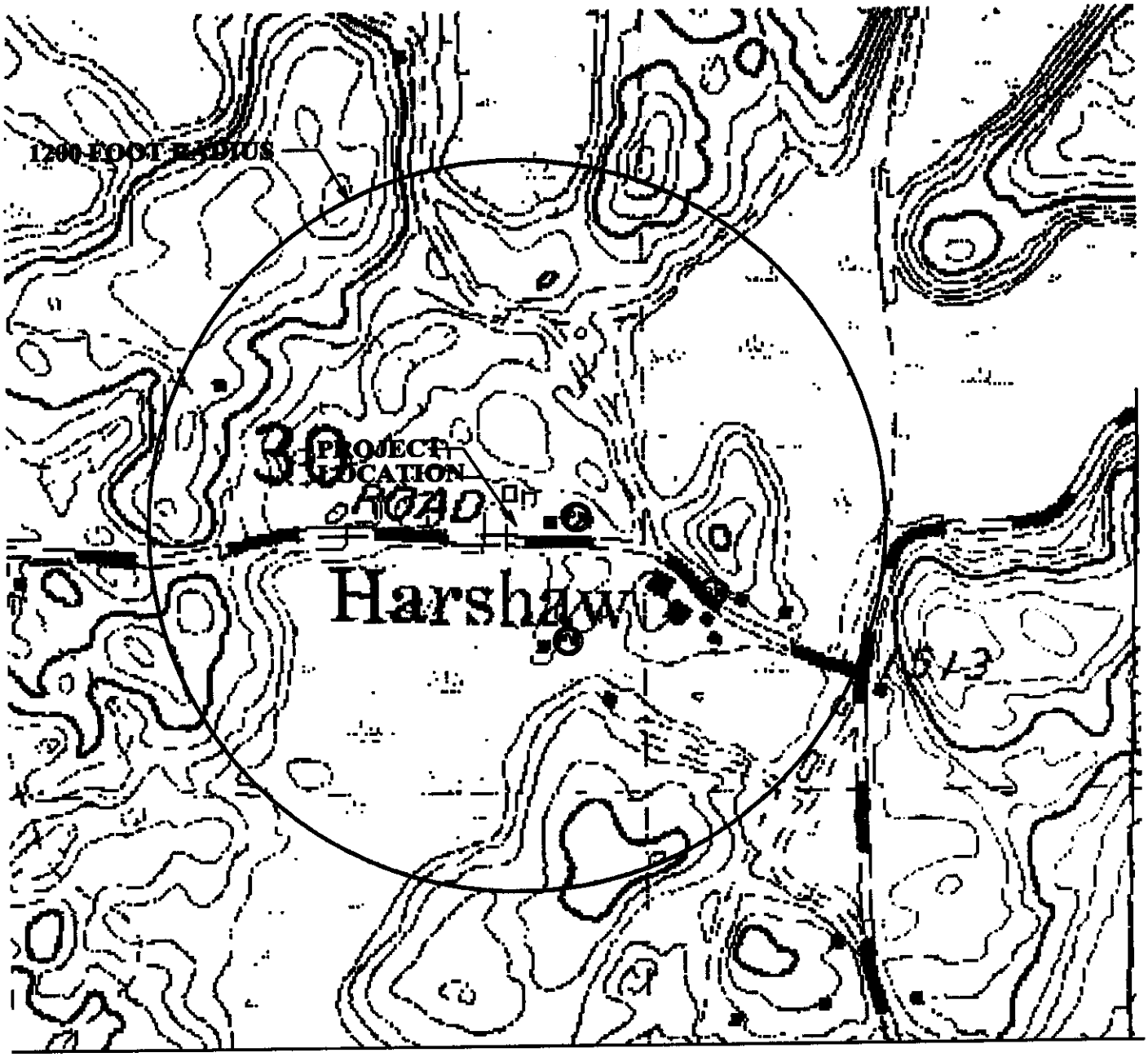
N
W E
S

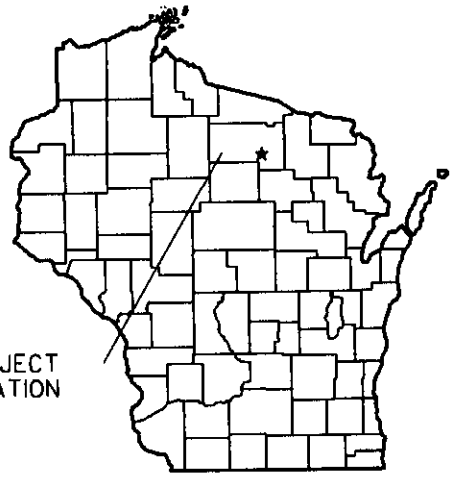
Harshaw Quadrangle
Wisconsin- Oneida Co.
7.5 Minute Series (Topographic)
NW/4 Heafford Junction 15' Quadrangle
Contour Interval 10 Feet
1982

MSA PROFESSIONAL SERVICES
TRANSPORTATION • MUNICIPAL • REMEDIATION
DEVELOPMENT • ENVIRONMENTAL
P.O. Box 1026 1035 N. Stevens St. Rhinelander, WI 54501
715-362-8344 1-800-844-7864 Fax: 715-362-8136
© MSA PROFESSIONAL SERVICES

FIGURE 1
SITE LOCATION MAP
CASSIAN TOWN GARAGE
HARSHAW, WISCONSIN

21218F1





500 0 500

SCALE IN FEET
1 INCH = 2000 FT.

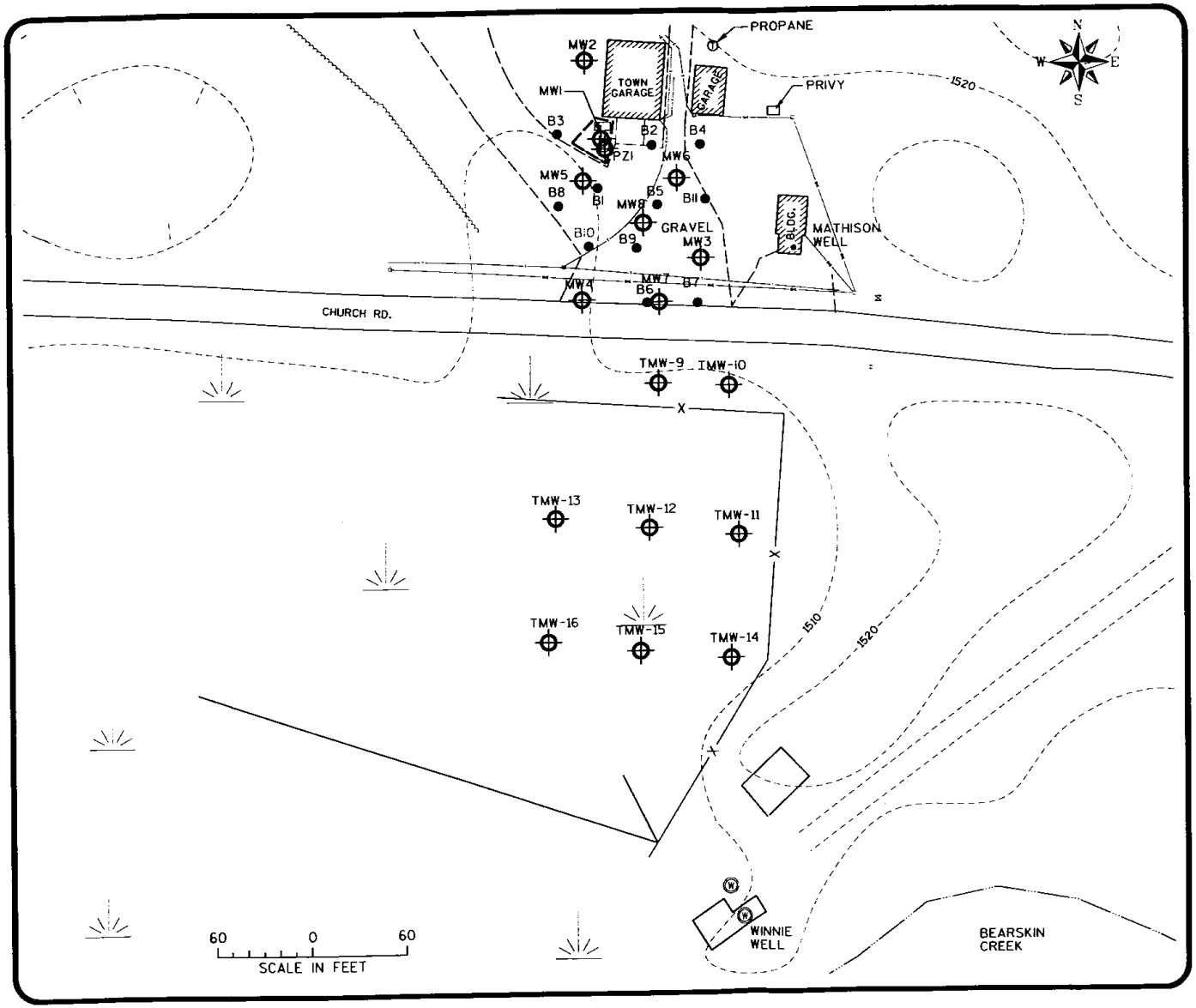
PW APPROXIMATE LOCATION OF PRIVATE WELL.

Harshaw Quadrangle
Wisconsin- Oneida Co.
7.5 Minute Series (Topographic)
NW/4 Heafford Junction 15' Quadrangle
Contour Interval 10 Feet
1982

FIGURE 12
PRIVATE WELL
LOCATION MAP
CASSIAN TOWN GARAGE
HARSHAW, WISCONSIN

MSA PROFESSIONAL SERVICES
TRANSPORTATION • MUNICIPAL • REMEDIATION
DEVELOPMENT • ENVIRONMENTAL
P.O. Box 1026 1035 N. Stevens St. Rhinelander, WI 54501
715-369-9044 1-800-444-7654 Fax: 715-369-4116
© MSA PROFESSIONAL SERVICES

212183F1A



MSA

PROFESSIONAL SERVICES

TRANSPORTATION • MUNICIPAL • REMEDIATION
DEVELOPMENT • ENVIRONMENTAL

P.O. Box 1026 1835 N. Stevens St. Rhinelander, WI 54501
715-362-3244 1-800-844-7854 Fax: 715-362-4116

© MSA PROFESSIONAL SERVICES

LEGEND

TMW-13 — MONITORING WELL

B8 — SOIL BORING

TREES

EXCAVATION

TELEPHONE

OVERHEAD ELECTRIC

CONTOURS 10' INTERVAL
CONTOUR LINES ARE APPROXIMATE

PEDISTAL

POWER POLE

MARSH

FENCE

FIGURE 2
SITE LAYOUT

CASSIAN TOWN GARAGE
HARSHAW, WI

21218C1

TABLE 5
Groundwater Monitoring Results
Cassian Town Garage, Harshaw

	Sample Date	Benzene	Ethylbenzene	Toluene	Xylenes	Total TMBs	MTBE	Naphthalene	Water Elev	TOC Elev	Depth to GW	Total Well Depth
NR 140 ES		5	700	1000	10000	480	60	40	(ft MSL)	(ft MSL)	Feet	Feet
NR 140 PAL		0.5	140	200	1000	96	12	8				
MW1	01/18/95	**56**	84	*506*	673	*197*	--	*35*	1506.53	1513.78	7.25	16.5
	Duplicate	**60**	92	*549*	745	*222*	--	**40**				
	04/27/95	**100**	100	*740*	*1000*	*293*	3.1		1506.51		7.27	
	Duplicate	**100**	110	*549*	745	*222*	2.6					
	01/31/97	**16**	53	160	370	*155*	--		1506.69		7.09	
	Duplicate	**20**	71	*220*	530	*209*	--					
	05/06/97								1506.92		6.86	
	07/29/97								1507.08		6.70	
	01/29/98								1506.69		7.09	
	05/05/98	**8**	88	*220*	600	**292**	--		1506.70		7.08	
On	08/06/98	**10**	85	85	405	*250*	--		1506.47		7.31	
	03/29/99	--	--	2	4.7	3.2	--		1506.74		7.04	
	Duplicate	--	2.1	6.7	16.1	9.7	--					
	04/05/00	<0.50	1.2	<0.50	4.2	9.9	<0.30	1.1	1506.56		7.22	
	05/12/00								1506.62		7.16	
	08/31/00	<0.50	2.0	<0.50	8.0	16.1	<0.40	<1.0	1506.94		6.84	
Off	Duplicate	<0.50	<0.50	<0.50	<0.50	2.15	<0.40	<1.0				
	12/08/00	<0.40	1.1	<0.40	4.7	10.3	<0.40	1.2	1506.74		7.04	
	04/19/01	<0.40	<0.40	<0.40	<0.40	3.39	<0.40	<1.0	1507.07		6.71	
	06/21/01	<0.40	<0.40	<0.40	0.91	5.0	<0.40	<1.0	1506.70	1513.30	6.60	
	09/28/01	<0.40	<0.40	<0.40	<0.70	2.92	<0.40	<1.0	1506.48		6.82	
	Duplicate	<0.40	<0.40	<0.40	<0.70	2.92	<0.40	<1.0				
	12/07/01	<0.40	<0.40	<0.40	<0.90	<0.50	<0.40	<1.3	1506.59		6.71	
	Duplicate	<0.40	0.89	0.63	4.8	10.5	<0.40	2.2				
	03/21/02	<0.40	0.82	<0.40	3.9	4.67	<0.40	<1.3	1506.19		7.11	
	Duplicate	<0.40	<0.40	<0.40	<0.90	1.7	<0.40	1.6				
MW2	01/18/95	--	--	--		--	--		1506.58	1517.40	10.82	16.5
	04/27/95	--	--	--	--	--	--		1506.60		10.80	
	01/31/97	--	--	--	--	--	--		1506.80		10.60	
	05/06/97								1507.07		10.33	
	07/29/97	--	--	--	--	--	--		1507.22		10.18	
	01/29/98	--	--	--	--	--	--		1506.77		10.63	
	05/05/98	--	--	--	--	--	--		1506.84		10.56	
On	08/06/98	--	--	--	--	--	--		1506.56		10.84	
	03/29/99	--	--	--	--	--	--		1506.35		11.05	
	04/05/00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.30	<1.0	1506.14		11.26	
	05/12/00								1506.16		11.24	
Off	08/31/00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.40	<1.0	1506.52		10.88	
	06/21/01								1506.79	1517.41	10.62	
	09/28/01				water elevation only				1506.58		10.83	
	12/07/01				water elevation only				1506.69		10.72	
	03/21/02				water elevation only				1506.27		11.14	

TABLE 5
Groundwater Monitoring Results
Cassian Town Garage, Harshaw

	Sample Date	Benzene	Ethylbenzene	Toluene	Xylenes	Total TMBs	MTBE	Naphthalene	Water Elev	TOC Elev	Depth to GW	Total Well Depth
NR 140 ES		5	700	1000	10000	480	60	40	(ft MSL)	(ft MSL)	Feet	Feet
NR 140 PAL		0.5	140	200	1000	96	12	8				
MW3	01/18/95	--	--	--	--	--	--		1506.39	1511.51	5.12	14.0
	04/27/95	--	--	--	--	--	--		1506.40		5.11	
	01/31/97	--	--	--	--	--	--		1506.59		4.92	
	05/06/97								1506.80		4.71	
	07/29/97	--	--	--	--	--	--		1506.92		4.59	
	01/29/98	--	--	--	--	--	--		1506.51		5.00	
	05/05/98	--	--	--	--	--	--		1506.21		5.30	
On	08/06/98	--	--	--	--	--	--		1507.37		4.14	
	03/29/99	--	--	--	--	--	--		1506.19		5.32	
	04/05/00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.40	<1.0	1506.00		5.51	
	05/12/00								1506.00		5.51	
Off	08/31/00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.40	<1.0	1506.36		5.15	
	12/08/00	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.0	1506.13		5.38	
	04/19/01	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.0	1506.47		5.04	
	06/21/01	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.0	1506.57	1511.51	4.94	
	09/28/01	<0.40	<0.40	<0.40	<0.70	<0.40	<0.40	<1.0	1506.35		5.16	
	12/07/01	water elevation only							1506.44		5.07	
	03/21/02	No Sample										
MW4	01/18/95	--	--	--	--	--	--		1506.34		3.29	14.0
	04/27/95								1506.17		3.46	
	05/06/95	--	--	--	--	--	--					
	07/29/97	--	--	--	--	--	--					
	01/29/98	0.3	--	--	--	--	--		1506.41	1509.21	2.80	
	05/05/98	--	--	--	--	--	--		1506.66		2.55	
On	08/06/98	--	--	--	--	--	--		1506.21		3.00	
	03/29/99											
	04/05/00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.30	<1.0	1505.41		3.80	
	05/12/00								1505.46		3.75	
Off	08/31/00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.40	<1.0	1505.82		3.39	
	06/21/01								1506.50	1509.50	3.00	
	09/28/01	water elevation only							1506.30		3.20	
	12/07/01	water elevation only							1506.39		3.11	
	03/21/02	No Sample										

TABLE 5
Groundwater Monitoring Results
Cassian Town Garage, Harshaw

	Sample Date	Benzene	Ethylbenzene	Toluene	Xylenes	Total TMBs	MTBE	Naphthalene	Water Elev	TOC Elev	Depth to GW	Total Well Depth
NR 140 ES		5	700	1000	10000	480	60	40	(ft MSL)	(ft MSL)	Feet	Feet
NR 140 PAL		0.5	140	200	1000	96	12	8				
MW5	01/31/97	**19**	53	35	190	89	--		1506.01	1511.33	5.32	15.0
	05/06/97								1506.24		5.09	
	07/29/97	**7.4**	1.1	1.3	1.7	--	--		1506.39		4.94	
	01/29/98	**14**	44	7.8	164	78	–		1505.98		5.35	
	05/05/98	**14**	120	11	231	**140**	2.2		1506.05		5.28	
On	08/06/98	**10**	28	2.0	87.6	82	--		1505.81		5.52	
	03/29/99	--	--	--	1.7	--	--		1505.59		5.74	
	04/05/00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.30	<1.0	1506.03		5.30	
	05/12/00											
Off	08/31/00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.40	<1.0	1506.41		4.92	
	12/08/00	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.0	1506.20		5.13	
	04/19/01	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.0	1506.57		4.76	
	06/21/01	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.0	1506.60	1511.28	4.68	
	09/28/01	<0.40	<0.40	<0.40	<0.70	<0.40	<0.40	<1.0	1506.38		4.90	
	12/07/01				water elevation only				1506.48		4.80	
	03/21/02				No Sample							
MW6	01/31/97	--	--	--	--	--	--		1506.63	1511.95	5.32	15.0
	05/06/97								1506.86		5.09	
	07/29/97	--	--	--	--	--	--		1506.99		4.96	
	01/29/98	--	--	--	--	--	--		1506.58		5.37	
	05/05/98	--	--	--	--	--	--		1507.02		4.93	
On	08/06/98	--	--	--	--	--	--		1506.41		5.54	
	03/29/99	--	--	--	--	--	--		1506.23		5.72	
	04/05/00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.30	<1.0	1505.98		5.97	
	05/12/00								1506.05		5.90	
Off	08/31/00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.40	<1.0	1506.40		5.55	
	06/21/01								1506.63	1511.95	5.32	
	09/28/01				water elevation only				1506.41		5.54	
	12/07/01				water elevation only				1506.51		5.44	
	03/21/02				No Sample							

TABLE 5
Groundwater Monitoring Results
Cassian Town Garage, Harshaw

	Sample Date	Benzene	Ethylbenzene	Toluene	Xylenes	Total TMBs	MTBE	Naphthalene	Water Elev	TOC Elev	Depth to GW	Total Well Depth
NR 140 ES		5	700	1000	10000	480	60	40	(ft MSL)	(ft MSL)	Feet	Feet
NR 140 PAL		0.5	140	200	1000	96	12	8				
MW7	01/31/97	**600**	*290*	*430*	650	*226*	--		1506.55	1510.49	3.94	15.0
	05/06/97								1506.74		3.75	
	07/29/97	**93**	38	**2400**	86	29.3	--		1506.88		3.61	
	01/29/98	**580**	*220*	*800*	730	*196*	--	**75**	1506.42		4.07	
	05/05/98	**420**	*200*	140	450	*128*	--	**55**	1506.54		3.95	
On	08/06/98	**420**	*230*	76	375	*126*	--		1506.35		4.14	
	03/29/99	**89**	110	13	169	75	--		1506.02		4.47	
	04/05/00	*1.8*	1.1	<0.50	<0.50	<0.50	<0.30	3.1	1505.84		4.65	
	05/12/00								1505.82		4.67	
Off	08/31/00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.40	<1.0	1506.24		4.25	
	12/08/00	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.0	1506.01		4.48	
	04/19/01	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.0	1506.18		4.31	
	06/21/01	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	1.1	1506.50	1510.35	3.85	
	09/28/01	*2.1*	<0.40	<0.40	<0.70	<0.40	<0.40	1.5	1506.30		4.05	
	12/07/01	*1.4*	<0.40	<0.40	<0.90	<0.50	<0.40	1.5	1506.39		3.96	
	03/21/02	<0.40	<0.40	<0.40	<0.90	<0.50	<0.40	<1.3	1505.96		4.39	
MW8	01/31/97	**510**	*230*	**1400**	*1070*	*340*	--		1506.60	1511.04	4.44	15.0
	05/06/97								1506.80		4.24	
	07/29/97	**1100**	*660*	**4500**	**3300**	**740**	--		1506.93		4.11	
	Duplicate	**1200**	**730**	**5100**	**3600**	**800**	--					
	01/29/98	**420**	*190*	**1300**	900	*205*	--	**90**	1506.51		4.53	
	Duplicate	**450**	*210*	**1400**	970	*218*	--					
	05/05/98	**920**	*480*	**4600**	*2420*	**480**	*12*	**120**	1506.59		4.45	
	Duplicate	**950**	*450*	**4000**	*2250*	*440*	--					
	08/06/98	**800**	*500*	**2400**	*2250*	**515**	--		1506.38		4.66	
On	Duplicate	**800**	*600*	**2600**	*2750*	**680**	--					
	03/30/99	**500**	*240*	**1000**	*1170*	*284*	--		1506.26		4.78	
	04/05/00	**350**	*440*	*820*	*1230*	**670**	<15	**120**	1505.99		5.05	
	Duplicate	**300**	*370*	*720*	*1030*	**570**	<15	**120**				
	05/12/00								1506.04		5.00	
Off	08/31/00	**130**	*150*	170	340	60	2.3	<5.0	1506.41		4.63	
	04/19/01	**200**	*240*	*430*	740	*295*	1.7	*51*	1506.53		4.51	
	Duplicate	**150**	*190*	*330*	580	*231*	1.7	*41*				
	06/21/01	**220**	*260*	*350*	730	*331*	<0.40	*69*	1506.60	1511.02	4.42	
	Duplicate	**230**	*270*	*380*	740	*337*	<4.0	*69*				
	09/28/01	**240**	*160*	*150*	610	*178*	<8.0	*68*	1506.38		4.64	
	12/07/01	**280**	*210*	*290*	890	*258*	<4.0	**62**	1506.50		4.52	
	03/21/02				No Sample							
	04/23/02	**310**	*270*	*540*	940	*362*	<8.0	**84**	1507.00		4.02	
	Duplicate	**340**	*300*	*650*	*1080*	*390*	<8.0	**100**				

TABLE 5
Groundwater Monitoring Results
Cassian Town Garage, Harshaw

	Sample Date	Benzene	Ethylbenzene	Toluene	Xylenes	Total TMBs	MTBE	Naphthalene	Water Elev	TOC Elev	Depth to GW	Total Well Depth
NR 140 ES		5	700	1000	10000	480	60	40	(ft MSL)	(ft MSL)	Feet	Feet
NR 140 PAL		0.5	140	200	1000	96	12	8				
P1	01/18/95	--	--	--	--	--	--		1506.51	1513.71	7.20	30.0
	04/27/95	--	--	--	--	--	--		1506.50		7.21	
	01/31/97	--	--	--	--	--	--		1506.66		7.05	
	05/06/97								1506.92		6.79	
	07/29/97	--	--	--	--	--	--		1507.06		6.65	
	01/29/98	--	--	--	--	--	--		1505.91		7.80	
	05/05/98	--	--	--	--	--	--		1506.71		7.00	
On	08/06/98	--	--	--	--	--	--		1506.47		7.24	
	03/29/99	--	--	--	--	--	--		1507.26		6.45	
	04/05/00								1506.61		7.10	
	05/12/00								1506.68		7.03	
Off	08/31/00								1507.04		6.67	
	06/21/01								1506.66	1513.08	6.42	
	09/28/01				water elevation only				1506.45		6.63	
	12/07/01				water elevation only				1506.54		6.54	
	03/21/02				No Sample							
TMW9	05/06/97	**550**	14	0.82	7.4	6.0	--	**43**	1506.65	1510.50	3.85	4.0
	07/29/97	**850**	76	11	52	40	--		1506.51		3.99	
	01/29/98	**210**	35	2.9	50.8	21.8	--		1506.39		4.11	
	05/05/98	**480**	*170*	4	220	*136*	--		1506.40		4.10	
On	08/06/98	**110**	21	--	2.8	17.8	--		1506.23		4.27	
	03/29/99	**78**	6.7	--	7.3	6.1	--		1506.11		4.39	
	04/05/00	**16**	2.0	<0.50	1.2	2.2	<0.30	2.2	1505.86		4.64	
	05/12/00											
Off	08/31/00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.40	<1.0	1506.16		4.34	
	12/08/00	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.0	1506.29		4.21	
	04/19/01	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.0	1505.78		4.72	
	06/21/01	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.0	1506.44		4.06	
	09/28/01	<0.40	<0.40	<0.40	<0.70	<0.40	<0.40	<1.0	1506.22		4.28	
	12/07/01	<0.40	<0.40	<0.40	<0.90	<0.50	<0.40	<1.3	1506.33		4.17	
	03/21/02	<0.40	<0.40	<0.40	<0.90	<0.50	<0.40	<1.3	1506.01		4.49	

TABLE 5
Groundwater Monitoring Results
Cassian Town Garage, Harshaw

	Sample Date	Benzene	Ethylbenzene	Toluene	Xylenes	Total TMBs	MTBE	Naphthalene	Water Elev	TOC Elev	Depth to GW	Total Well Depth
NR 140 ES		5	700	1000	10000	480	60	40	(ft MSL)	(ft MSL)	Feet	Feet
NR 140 PAL		0.5	140	200	1000	96	12	8				
TMW10	05/06/97	--	--	--	--	--	0.37	--	1506.45	1511.08	4.63	5.3
	07/29/97	--	--	--	--	--	--		1505.95		5.13	
	01/29/98	--	--	--	--	--	--		1506.40		4.68	
	05/05/98	--	--	--	--	--	--		1506.43		4.65	
On	08/06/98	--	--	--	--	--	--		1506.25		4.83	
	03/29/00	--	1.3	--	--	--	--		1506.04		5.04	
	04/05/00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.30	<1.0	1505.17		5.91	
	05/12/00											
Off	08/31/00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.40	<1.0	1506.13		4.95	
	04/19/01								1506.89		4.19	
	06/21/01								1506.46		4.62	
	09/28/01				water elevation only				1506.26		4.82	
	12/07/01				water elevation only				1506.37		4.71	
	03/21/02				water elevation only				1506.02		5.06	
TMW11	05/06/97								1501.20	1509.52	8.32	5.0
	07/29/97	--	--	--	--	--	--		1500.93		8.59	
	01/29/98								1500.63		8.89	
On	05/05/98								1500.73		8.79	
	03/29/99								1500.96		8.56	
Off	04/05/00								1505.75		3.77	
	06/21/01				abandoned				1506.29		3.23	
TMW12	07/29/97	--	--	1.7	--	--	--		1504.52	1508.97	4.45	4.9
	01/29/98	--	--	0.7	--	--	--		1506.02		2.95	
	05/05/98	--	--	--	--	--	--		1505.67		3.30	
On	08/06/98	--	--	--	--	--	--		1504.74		4.23	
	03/29/99	--	--	--	--	--	--		1505.15		3.82	
	04/05/00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.30	<1.0	1503.86		5.11	
Off	08/31/00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.40	<1.0	1505.30		3.67	
	06/21/01				abandoned				1505.95		3.02	
TMW13	07/29/97	*3.7*	--	--	--	--	--		1504.81	1509.30	4.49	4.9
	06/21/01				*abandoned*				1505.76		3.54	

TABLE 5
Groundwater Monitoring Results
Cassian Town Garage, Harshaw

	Sample Date	Benzene	Ethylbenzene	Toluene	Xylenes	Total TMBs	MTBE	Naphthalene	Water Elev	TOC Elev	Depth to GW	Total Well Depth
NR 140 ES		5	700	1000	10000	480	60	40	(ft MSL)	(ft MSL)	Feet	Feet
NR 140 PAL		0.5	140	200	1000	96	12	8				
TMW14	07/29/97	*3.7*	--	--	--	--	--		1502.62	1508.60	5.98	6.0
	09/08/97	*1.7*	--	0.43	3.5	--	0.45					
	05/05/98	*1.8*	--	--	--	--	0.7					
On	08/06/98	*2.4*	--	--	--	--	0.7					
	03/29/99	*1.6*	--	--	--	--	0.88					
	04/05/00								1505.68		2.92	
	05/12/00											
Off	08/31/00											
	12/08/00	*0.52*	<0.40	<0.40	<0.40	<0.40	<0.40	<1.0	1505.69		2.91	
	04/19/01	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.0	1505.91		2.69	
	06/21/01	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.0	1506.02		2.58	
TMW15	07/29/97	--	--	1.5	--	--	--	--	1503.96	1508.45	4.49	5.3
	06/21/01				abandoned				1505.79		2.66	
TMW16	07/29/97	--	--	1.8	--	--	--	--	1504.58	1508.73	4.15	5.1
	04/05/00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.30		1505.69		3.04	
Off	08/31/00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.40		1505.26		3.47	
	06/21/01				abandoned				1505.86		2.87	
Winnie Well	04/07/97	--	--	--	--	--	--	--				
	01/29/98	--	--	--	--	--	--	--				
	05/05/98	--	--	--	--	--	--	--				
	08/06/98	--	--	--	--	--	--					
	03/30/99	--	--	--	--	--	--					
	04/05/00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.30					
Surface Water	05/07/97	--	--	--	--	--	--	--				

TABLE 5
Groundwater Monitoring Results
Cassian Town Garage, Harshaw

Sample Date	Benzene	Ethylbenzene	Toluene	Xylenes	Total TMBs	MTBE	Naphthalene	Water Elev	TOC Elev	Depth to GW	Total Well Depth
NR 140 ES	5	700	1000	10000	480	60	40	(ft MSL)	(ft MSL)	Feet	Feet
NR 140 PAL	0.5	140	200	1000	96	12	8				
Mathison Well 05/05/98	--	--	--	--	--	--	--				
03/30/99	--	--	--	--	--	--					
04/05/00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.30	--				
08/31/00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.40					

All concentrations are in ug/L except where otherwise noted
blank = not analyzed
TMB = trimethylbenzene
MTBE = methyltertbutyl ether
Bold values exceed the Wisconsin Administrative Code NR 140 preventative action limit
Shaded and bold values exceed the Wisconsin Administrative Code NR 140 enforcement standard
ES = WAC NR 140 enforcement standard concentration
PAL = WAC NR 140 preventive action level concentration
This table only includes compounds which are monitored quarterly at this site
For a complete list of compounds detected, see site investigation reports
Free product detected in well MW-1 on 7/29/97, 9/97, 10/97 and 1/29/98
No access to MW4 on 1/31/97 and 3/29/99
Excavation of source soils occurred on 4/20/98
– below detection limit
On = IAS and IASR system started on 12/10/98
Off = IAS and IASR system turned off on 10/25/2000

TABLE 1 (Page 1 of 2)
SOIL ANALYTICAL SAMPLE RESULTS
CASSIAN TOWN GARAGE, HARSHAW, WI

WELL ID	MW-1	B-1	B-1	B-2	MW-2	B-3	P-1	B-1	B-4	B-5	B-5	B-6	
SAMPLING DATE	11/28/94	11/28/94	11/28/94	11/28/94	11/28/94	11/29/94	11/29/94	11/29/94	11/29/94	11/29/94	11/29/94	11/29/94	
SAMPLING DEPTH	7.5-9.5	7.5-9.5	15-17	12.5-14.5	12.5-14.5	12.5-14.5	20-22	30-32	12.5-14.5	2.5-4.5	10-12	12.5-14.5	GRCL
ANALYTE													
DRO (mg/Kg)	580	<5.2	<5.2	33	<5.2	<5.2	9.0	<5.2	<5.2	9.6	<5.2	<5.2	100
GRO (mg/Kg)	860	<2.0	<2.0	130	<2.0	<2.0	2.4	<2.0	<2.0	160	<2.0	<2.0	100
Lead (mg/Kg)	<3.6	<4.9	<3.5	<3.4	<4.1	<3.6	<3.8	<3.6	<4.2	<3.3	<4.2	<3.6	
VOCs* (µg/Kg)													
Benzene	--	--	--	--	--	--	--	--	--	810	--	38	5.5
Ethylbenzene	16000	--	--	1400	--	--	--	--	--	--	5.7	14	2900
tert-Butylmethylether	--	--	--	--	--	--	--	--	--	--	--	--	
Toluene	40000	--	--	2700	--	--	--	--	--	5000	9.9	51	1500
1,2,4-Trimethylbenzene	110000	--	--	6800	--	--	--	--	--	21000	38	10	
1,3,5-Trimethylbenzene	45000	--	--	2100	--	--	--	--	--	--	11	6.1	
Xylenes	157000	--	--	10100	--	--	--	--	--	7200	16	26	4100
n-Butylbenzene	67000	--	--	3400	--	--	16	--	--	--	34	--	
Naphthalene	33000	--	--	--	--	--	--	--	--	--	50	--	
p-isopropyltoluene	--	--	--	--	--	--	--	--	--	12000	35	--	
Isopropylbenzene	--	--	--	--	--	--	--	--	--	--	140	--	
PAHs (µg/Kg)													
Acenaphthene	1500	--		--			--			--			
Benzo(a)anthracene	1500	--		--			--			--			
Benzo(a)pyrene	340	--		--			--			--			
Benzo(b)fluoranthene	250	4.2		--			--			98			
Benzo(k)fluoranthene	--	2.0		--			--			--			
Fluorene	3000	--		--			--			--			
Indeno(1,2,3,-cd)Perylene	--	13		--			--			--			
1-Methylnaphthalene	13000	--		140			--			280			
2-Methylnaphthalene	19000	--		280			--			420			
Naphthalene	6700	--		100			--			170			
Phenanthrene	--	--		--			5.3			--			

GRCL = Wisconsin Administrative Code Generic Residual Contaminant Level.
Shaded = GRCL exceedence.
- - = Parameter analyzed but not detected above Method Detection Limits (MDLs).
Blank = Parameter not analyzed.

TABLE 1 (Page 2 of 2)
SOIL ANALYTICAL SAMPLE RESULTS
CASSIAN TOWN GARAGE, HARSHAW, WI

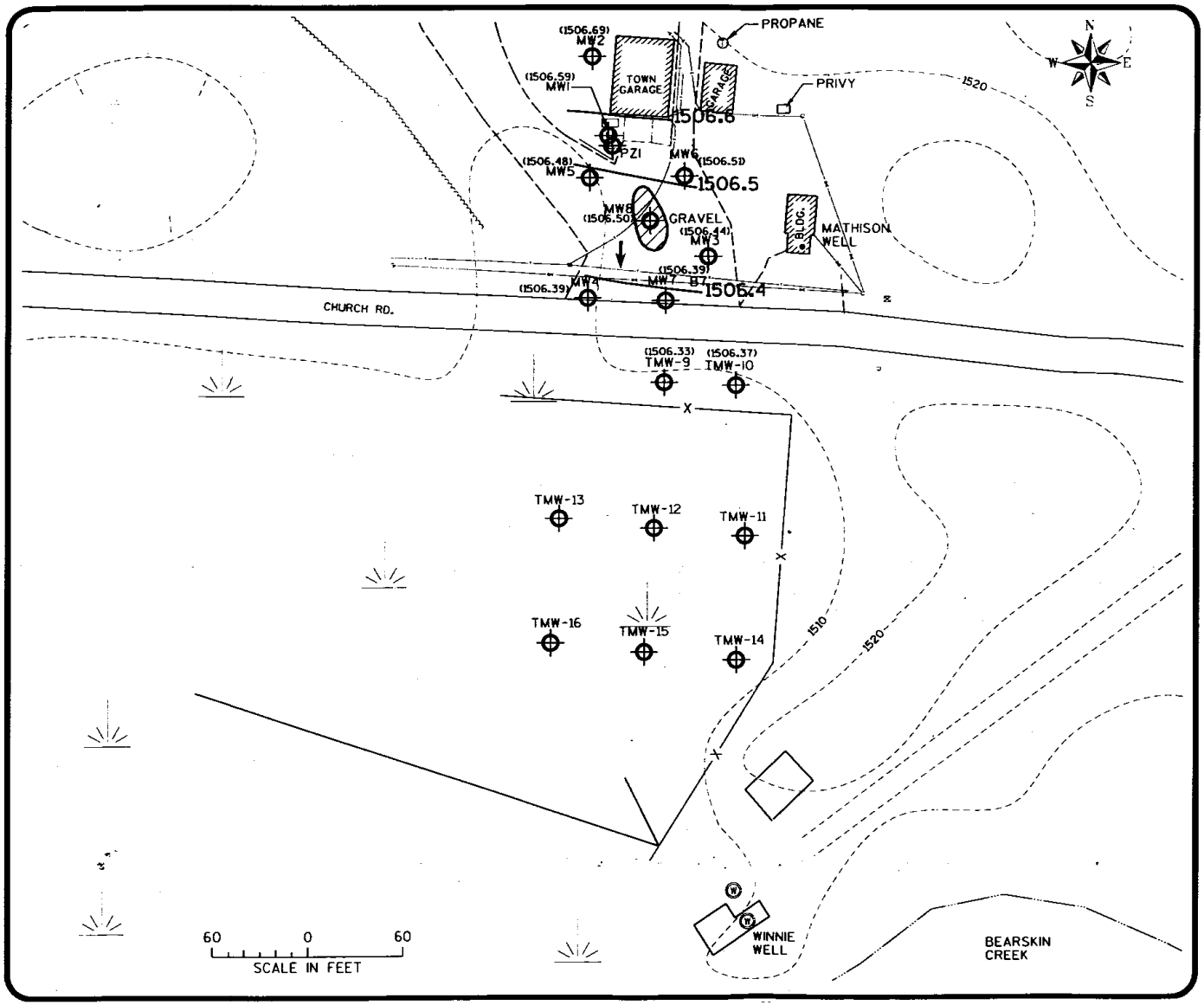
WELL ID	B-7	B-8	B-9	B-9	B-10	B-11	MW-3	MW-4	MW-5	MW-6	MW-8	MeOH BLANK		
SAMPLE DATE	11/29/94	11/30/94	11/30/94	11/30/94	11/30/94	11/30/94	11/30/94	11/30/94	01/28/97	01/28/97	01/28/97	11/30/94	01/28/97	
SAMPLING DEPTH	10-12	12.5-14.5	7.5-9.5	12.5-14.5	12.5-14.5	12.5-14.5	10-12	12.5-14.5	4-6	4-6	4-6			GRCL
ANALYTE														
DRO (mg/Kg)	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	--	--	580			100
GRO (mg/Kg)	<2.0	<2.0	8.1	<2.0	<2.0	<2.0	<2.0	<2.0	--	--	2,200	<2.0		100
Lead (mg/Kg)	<4.2	<3.5	<3.5	<3.7	<3.5	<3.9	<3.5	<3.5						
VOCs* (µg/Kg)														
Benzene	--	--	--	24	--	--	--	--	--	--	7,100		--	5.5
Ethylbenzene	--	--	--	16	--	--	--	--	--	--	36,000		--	2900
tert-Butylmethylether	--	--	--	--	--	--	--	--	--	--	--		--	
Toluene	--	--	5.4	13	--	--	--	--	--	--	60,000		--	1500
1,2,4-Trimethylbenzene	--	--	6.0	8.9	--	--	--	--	--	--	110,000		--	
1,3,5-Trimethylbenzene	--	--	--	--	--	--	--	--	--	--	110,000		--	
Xylenes	--	--	--	36	--	--	--	--	--	--	186,000		--	4100
n-Butylbenzene														
Naphthalene	--	--	--	15	--	--	--	--						
p-isopropyltoluene														
Isopropylbenzene														
PAHs (µg/Kg)														
Acenaphthene				--										
Benzo(a)anthracene				--										
Benzo(a)pyrene				--										
Benzo(b)fluoranthene				--										
Benzo(k)fluoranthene				--										
Fluorene				--										
Indeno(1,2,3,-cd)Perylene				--										
1-Methylnaphthalene				--										
2-Methylnaphthalene				--										
Naphthalene				--										
Phenanthrene				--										

GRCL = Wisconsin Administrative Code Generic Residual Contaminant Level.
Shaded = GRCL exceedence.
-- = Parameter analyzed but not detected above Method Detection Limits (MDLs).
Blank = Parameter not analyzed.

TABLE 3
Excavation Sample Results
Cassian Town Garage, Harshaw

Sample ID	Depth (ft bgs)	OVM (ppm)	GRO (mg/Kg)	DRO (mg/Kg)	MTBE	Benzene	Toluene	Ethyl Benzene	mp-Xylene	o-Xylene	1,3,5 TMB	1,2,4 TMB
NR 720 GRCL			100	100		5.5	1500	2900	4100			
EX-1	5.0	388	**640**	**1600**	--	<500		1000	**8800**	**6800**	20000	31000
EX-2	7.0	100										
EX-3		1										
EX-4	7.0	6	1.9	2	--	<25	--	--	--	--	--	37
EX-5	7.0	1	--	**120**	--	<25	--	--	--	--	--	--
EX-6	6.0	330	2.5	2.7	--	<25	--	--	75	34	72	190
EX-7	7.0	1	--	--	--	<25	--	--	--	--	--	--
EX-8	2.0	30										
EX-9	4.0	40										
EX-10	NA	2										
EX-11	NA	3										
EX-12	7.0	14	--	--	--	<25						
EX-13	7.0	360	**13000**	**3400**	**<12000**	**<12000**	**57000**	**85000**	**800000**	**460000**	540000	1300000
EX-14	7.0	25										
EX-15	6.0	660										
EX-16	6.0	40										
EX-17	6.0	1	--	--	--	<25	--	--	--	--	--	--
EX-18	7.0	163										
EX-19	5.0	50	**220**	36	140	<25	150	830	2400	900	2300	6200
EX-20	4.0	3	2.6	9.7	--	<25	--	--	--	--	33	110
EX-21	7.0	0	--	4	--	<25	--	--	--	--	--	--
EX-22	4.5	12	--	5.9	--	<25	--	--	--	--	--	41

Excavation 4/20/00, 4/21/00 and 4/22/00
MTBE - methyltertbutylether
TMB - Trimethylbenzene
Values in bold exceed NR 720 Generic Residual Contaminant Levels (GRCL)
Samples were analyzed by Commonwealth Technology



MSA
PROFESSIONAL SERVICES
TRANSPORTATION • MUNICIPAL • REMEDIATION
DEVELOPMENT • ENVIRONMENTAL
P.O. Box 1026 1835 N. Stevens St. Rhinelander, WI 54501
715-362-3244 1-800-844-7854 Fax: 715-362-4116

© MSA PROFESSIONAL SERVICES

LEGEND

TMW-13 TEMPORARY MONITORING WELL

MW2 MONITORING WELL

TREES

TELEPHONE

OVERHEAD ELECTRIC

CONTOURS 10' INTERVAL CONTOUR LINES ARE APPROXIMATE

PEDISTAL

POWER POLE

MARSH

FENCE

APPROXIMATE EXTENT OF GROUNDWATER CONTAMINATION GREATER THAN THE NR140 ES

(1506.37) GROUNDWATER ELEVATION

GROUNDWATER FLOW DIRECTION (BASED ON DECEMBER 7, 2001 DATA.)

1506.4 GROUNDWATER CONTOUR LINE AND ELEVATION (CONTOUR INTERVAL = 0.1')

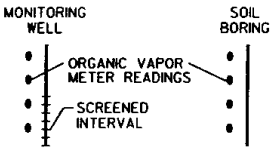
FIGURE 11
POST-REMEDIATION EXTENT OF GROUNDWATER CONTAMINATION AND GROUNDWATER FLOW DIRECTION
CASSIAN TOWN GARAGE
HARSHAW, WI

2218301A

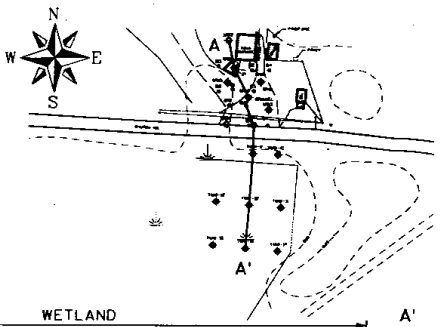
NOTES:

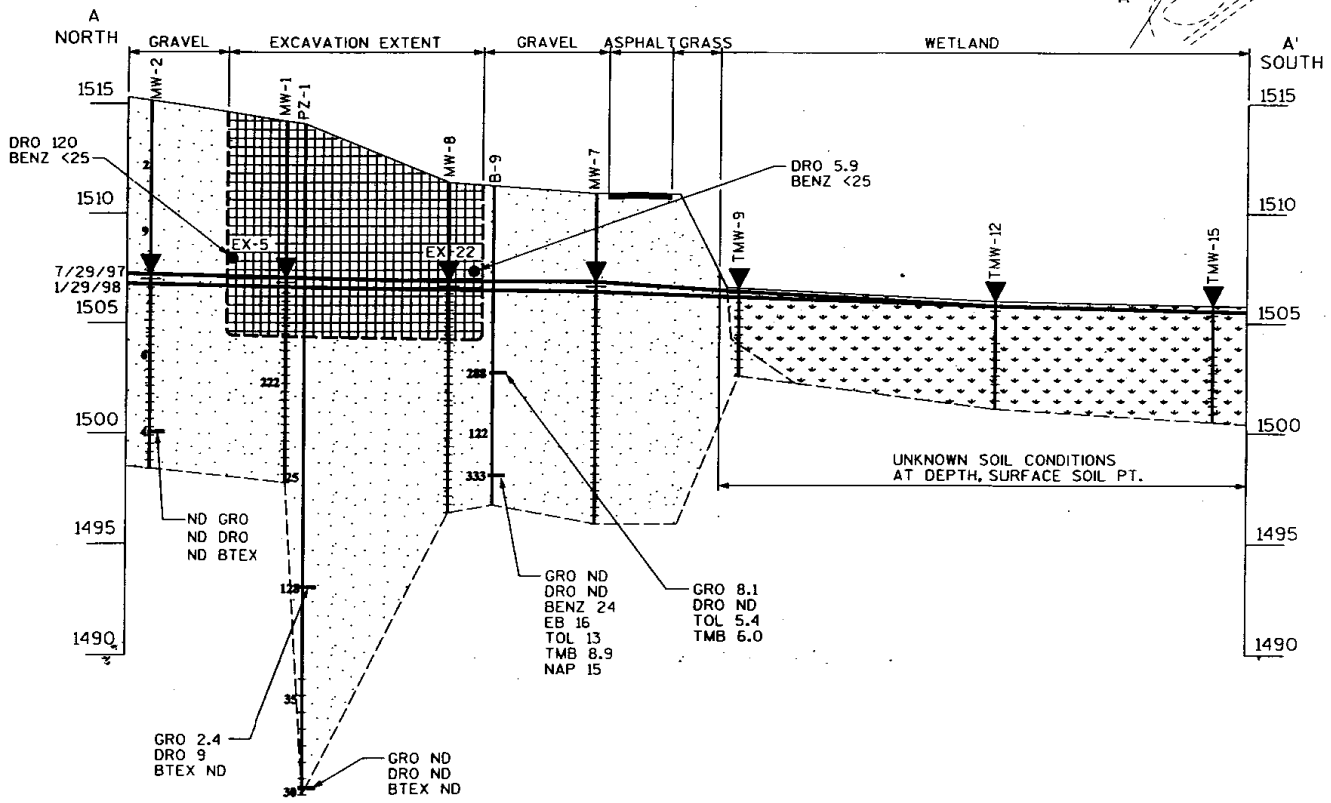
1. INFORMATION BETWEEN SOIL BORINGS IS INTERPRETED BASED UPON AVAILABLE DATA. ACTUAL CONDITIONS BETWEEN SOIL BORINGS ARE UNKNOWN.
2. GROUNDWATER ELEVATIONS WERE MEASURED AS SHOWN.
3. FOR THE PURPOSE OF ILLUSTRATING SUBSOIL CONDITIONS ON THE CROSS SECTIONS, SOME OF THE BORING LOGS HAVE BEEN SIMPLIFIED. FOR A DETAILED DESCRIPTION OF SUBSURFACE CONDITIONS AT INDIVIDUAL BORINGS REFER TO SOIL BORING, LOGS.
4. GRO AND DRO RESULTS IN mg/Kg AND PVOC RESULTS IN µg/Kg.
5. EXCAVATION PERFORMED ON 4-20-98, 4-21-98 AND 4-22-98.

EXPLANATION



LOCATION OF HYDROGEOLOGIC CROSS SECTION





MSA
PROFESSIONAL SERVICES
TRANSPORTATION • MUNICIPAL • ADMINISTRATION
DEVELOPMENT • ENVIRONMENTAL
P.O. Box 1026 1835 N. Stevens St. Rhinelander, WI 54501
715-362-3244 1-800-844-7854 Fax: 715-362-4116

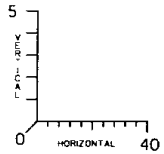
© MSA PROFESSIONAL SERVICES

LEGEND

- SAND (SP) BROWN FINE TO MEDIUM GRAINED SAND.
- HIGHLY ORGANIC SWAMP SOILS (PT)
- CLEAN FILL MATERIAL
- EX-5 ● EXCAVATION SOIL SAMPLE LOCATION
- — SOIL BORING SAMPLE

DRO	DIESEL RANGE ORGANICS
GRO	GASOLINE RANGE ORGANICS
BENZ	BENZENE
EB	ETHYLBENZENE
TOL	TOLUENE
XY	XYLENE
TMB	TOTAL TRIMETHYLBENZENE
NAP	NAPHTHALENE

- ▼ GROUNDWATER ELEVATION



SCALE IN FEET

FIGURE 7

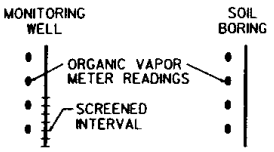
SOIL EXCAVATION CROSS SECTION A-A'

CASSIAN TOWN GARAGE
HARSHAW, WI

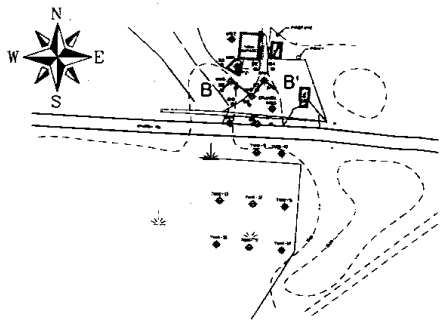
NOTES:

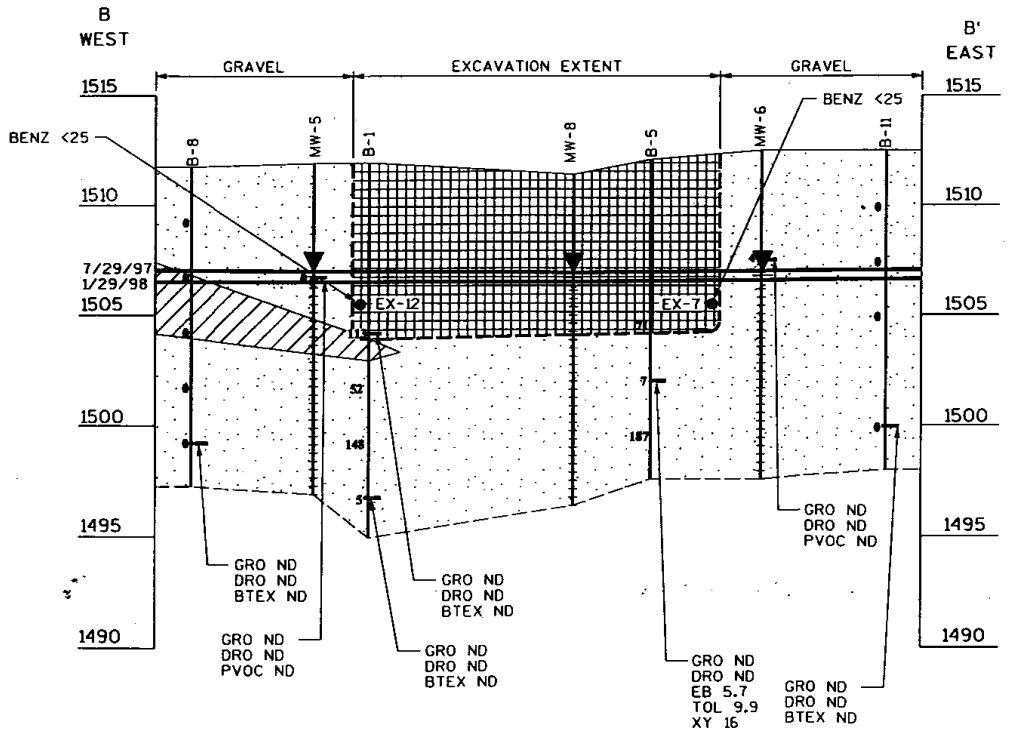
1. INFORMATION BETWEEN SOIL BORINGS IS INTERPRETED BASED UPON AVAILABLE DATA. ACTUAL CONDITIONS BETWEEN SOIL BORINGS ARE UNKNOWN.
2. GROUNDWATER ELEVATIONS WERE MEASURED AS SHOWN.
3. FOR THE PURPOSE OF ILLUSTRATING SUBSOIL CONDITIONS ON THE CROSS SECTIONS, SOME OF THE BORING LOGS HAVE BEEN SIMPLIFIED. FOR A DETAILED DESCRIPTION OF SUBSURFACE CONDITIONS AT INDIVIDUAL BORINGS REFER TO SOIL BORING LOGS.
4. GRO AND DRO RESULTS IN mg/Kg AND PVOC RESULTS IN µg/Kg.
5. EXCAVATION PERFORMED ON 4-20-98, 4-21-98 AND 4-22-98.

EXPLANATION



LOCATION OF HYDROGEOLOGIC CROSS SECTION





MSA
PROFESSIONAL SERVICES
TRANSPORTATION • MUNICIPAL • REMEDIATION
DEVELOPMENT • ENVIRONMENTAL
P.O. Box 1026 1835 N. Stevens St. Rhinelander, WI 54501
715-362-3244 1-800-844-7854 Fax: 715-362-4116

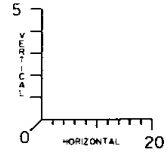
© MSA PROFESSIONAL SERVICES

LEGEND

- SAND (SP) BROWN FINE TO MEDIUM GRAINED SAND.
- CLAYEY SILT (OL) DARK GREY TO DARK BROWN ORGANIC CLAYEY SILT
- CLEAN FILL MATERIAL
- EX-12 ● EXCAVATION SOIL SAMPLE LOCATION
- — SOIL BORING SAMPLE

DRO	DIESEL RANGE ORGANICS
GRO	GASOLINE RANGE ORGANICS
BENZ	BENZENE
EB	ETHYLBENZENE
TOL	TOLUENE
XY	XYLENE
TMB	TOTAL TRIMETHYLBENZENE

▼ GROUNDWATER ELEVATION

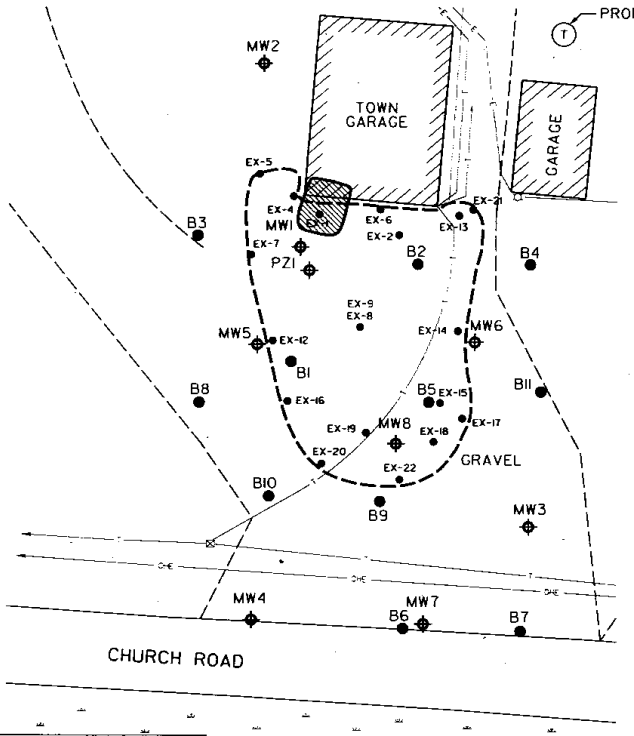


SCALE IN FEET

FIGURE 8

SOIL EXCAVATION CROSS SECTION B-B'

CASSIAN TOWN GARAGE
HARSHAW, WI



LEGEND

- MW8 — EXISTING MONITORING WELL
- B5 — SOIL BORING
- EX-1 — SOIL SAMPLE LOCATION
- LIMITS OF REMEDIAL EXCAVATION
- POST REMEDIAL ACTION SOIL CONTAMINATION

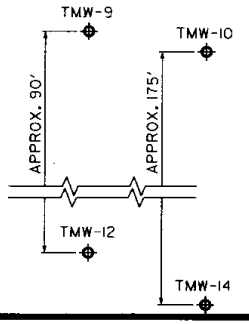
ND	=	NOT DETECTED BY LABORATORY ANALYSIS
<5	=	FIELD GAS CHROMATOGRAPH (GC) SAMPLE
N/A	=	NOT AVAILABLE
BLANK	=	NOT ANALYZED
OVM	=	ORGANIC VAPOR METER
GRO	=	GASOLINE RANGE ORGANICS
DRO	=	DIESEL RANGE ORGANICS
MTBE	=	METHYLTERTBUTYL ETHER
B	=	BENZENE
T	=	TOLUENE
EB	=	ETHYLBENZENE
MP-X	=	M/P XYLENE
O-X	=	O-XYLENE
1,3,5-TM	=	1,3,5 TRIMETHYLBENZENE
1,2,4-TM	=	1,2,4 TRIMETHYLBENZENE
GRCL	=	GENERIC RESIDUAL CONTAMINANT LEVEL

NOTES:

1. ALL CONCENTRATIONS ARE IN ug/Kg UNLESS OTHERWISE NOTED.
2. OVM READINGS IN ppm.
3. BOLD NUMBERS INDICATE CONCENTRATIONS OVER NR 720 GRCL's

EXCAVATION SAMPLING RESULTS 4/20/98 - 4/22/98

SAMPLE ID	DEPTH (FEET BGS)	OVM (ppm)	GRO (mg/Kg)	DRO (mg/Kg)	MTBE	B	T	EB	MP-X	O-X	1,3,5-TM	1,2,4-TM
NR720 GRCL			100	100		5.5	1500	2900	4100			
EX-1	5.0	388	**640**	**1600**	--	<500	--	1000	**8800**	**6800**	20000	31000
EX-2	7.0	100										
EX-3	N/A	1										
EX-4	7.0	6	1.9	2.0	--	<25	--	--	--	--	--	37
EX-5	7.0	1	--	**120**	--	<25	--	--	--	--	--	--
EX-6	6.0	330	2.5	2.7	--	<25	--	--	75	34	72	190
EX-7	7.0	1	--	--	--	<25	--	--	--	--	--	--
EX-8	2.0	30										
EX-9	4.0	40										
EX-10	N/A	2										
EX-11	N/A	3										
EX-12	7.0	14	--	--	--	<25	--	--	--	--	--	--
EX-13	7.0	360	**13000**	**3400**	<12000	<12000	**57000**	**85000**	**800000**	**460000**	540000	1300000
EX-14	7.0	25										
EX-15	6.0	660										
EX-16	6.0	40										
EX-17	6.0	1	--	--	--	<25	--	--	--	--	--	--
EX-18	7.0	163										
EX-19	5.0	50	**220**	36	140	<25	150	830	2400	900	2300	6200
EX-20	4.0	3	2.6	9.7	--	<25	--	--	36	--	33	110
EX-21	7.0	0	--	4.0	--	<25	--	--	--	--	--	--
EX-22	4.5	12	--	5.9	--	<25	--	--	--	--	--	41



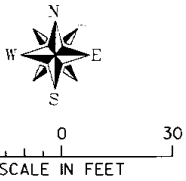


FIGURE 6

SOIL EXCAVATION EXTENT AND SAMPLE LOCATIONS

CASSIAN TOWN GARAGE
HARSHAW, WISCONSIN

MSA Professional Services

DRAWN BY | DATE | SHEET ___ of ___
CHECKED BY | SCALE | FILE NO. 21218310

I certify that to the best of my knowledge that the attached legal descriptions completely and accurately describe all properties within or partially within the contaminated site boundaries associated with WDNR file no. 03-44-001138.

Larry A Hendrickson

Mr. Larry Hendrickson
Town Chairman

12-23-02

Date

DOC# 569367
Recorded
Feb. 17, 2003 AT 01:10PM

Thomas H. Leighton

THOMAS H LEIGHTON
RECEIVED
ONEIDA COUNTY, WI
Fee Amount: $15.00

Document Number | DEED RESTRICTION

Recording Area

Town of Cassian
8928 Church Road
Harshaw, WI 54529

00201 953 1
Parcel Identification Number (PIN)

Declaration of Restrictions

In Re: A parcel of land being part of the SW ¼ of the NE ¼, Section 30, T37N, R7E, Town of Cassian, Oneida County, Wisconsin, more particularly described as follows:

Commencing at the southeast corner of the SW ¼ of the NE ¼, Section 30, T37N, R7E; thence west on the south line of the SW ¼ of the NE ¼, 524.7 feet to a point in the centerline of Church Road; thence North 33.0 feet to the place of beginning marked by an iron pipe on the northerly right of way line of Church Road and the southeast corner as described in Volume 175, page 252.

Thence North 200.0 feet along the east line premises to the northeast corner marked by an iron pipe; thence west 200.0 feet along the north line to the northwest corner marked by an iron pipe; thence south 200.0 feet along the west line to the southwest corner marked by an iron pipe on the northerly right of way line of Church Road; thence west 400.0 feet along the northerly right of way line of Church Road to an iron pipe; thence North 500.0 feet to an iron pipe, thence East 610.0 feet to an iron pipe on the westerly right of way line of Popular Road; thence along said right of way line S 33° 01' E, 238.6 feet to an iron pipe and S 20 ° 48' E, 320.9 feet to an iron pipe at the intersection of the westerly right of way line of Popular Road and the northerly right of way line of Church Road; thence west 254.0 feet along the northerly right of way line of Church Road to the place of beginning, as described in Volume 175, page 252.

STATE OF WISCONSIN

ss

COUNTY OF ONEIDA

WHEREAS, Town of Cassian is the owner of the above-described property.

WHEREAS, one or more petroleum product discharges have occurred on this property, as of April 22, 1998 when soil samples were collected on this property, petroleum-contaminated soil remained on this property at the following location(s): in the former tank basin area and underneath the floor slab at the front of the building (see attached Figure 6 – Soil Excavation Extent and Sample Locations).

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

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:

> Structural impediments existing at the time of clean-up (building foundation over the petroleum contaminated soil) made complete remediation of the soil contamination on this property impracticable. If the structural impediments on this property that are described above are removed, the property owner shall conduct an investigation of the degree and extent of the petroleum contamination. To the extent that contamination is found at that time, the Wisconsin Department of Natural Resources shall be immediately notified and the contamination shall be properly remediated in accordance with

applicable statutes and rules. If currently inaccessible soil near or beneath the structural impediments on the property is excavated in the future, the soil must be sampled and analyzed, may be considered solid or hazardous waste if residual contamination remains and must be stored, treated and disposed in compliance with applicable statutes and rules.

In addition, the following activities are prohibited on that portion of the property described above where a cap or cover has been placed [area labeled "Soil Contamination" in attached Figure 6 – Soil Excavation Extent and Sample Locations], 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.

This restriction is hereby declared to be a covenant running with the land and shall be fully binding upon all persons acquiring the above-described property whether by descent, devise, purchase or otherwise. This restriction inures to the benefit of and is enforceable by the Wisconsin Department of Natural Resources, its successors or 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 one or more of the restrictions set forth in this covenant is no longer required. Upon the receipt of such a request, the Wisconsin Department of Natural Resources shall determine whether or not the restrictions contained herein can be extinguished. If the Department determines that the restrictions can be extinguished, an affidavit, attached to a copy of the Department's written determination, may be recorded by the property owner or other interested party to give notice that this deed restriction, or portions of this deed restriction, are no longer binding.

By signing this document, Larry A Hendrickson asserts that he or she is duly authorized to sign this document on behalf of the Town of Cassian.

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 11th day of February, 2003

Signature: Larry A Hendrickson
Printed Name: Larry A Hendrickson
Title: Town Chairman

Subscribed and sworn to before me
this 11th day of February, 2003.

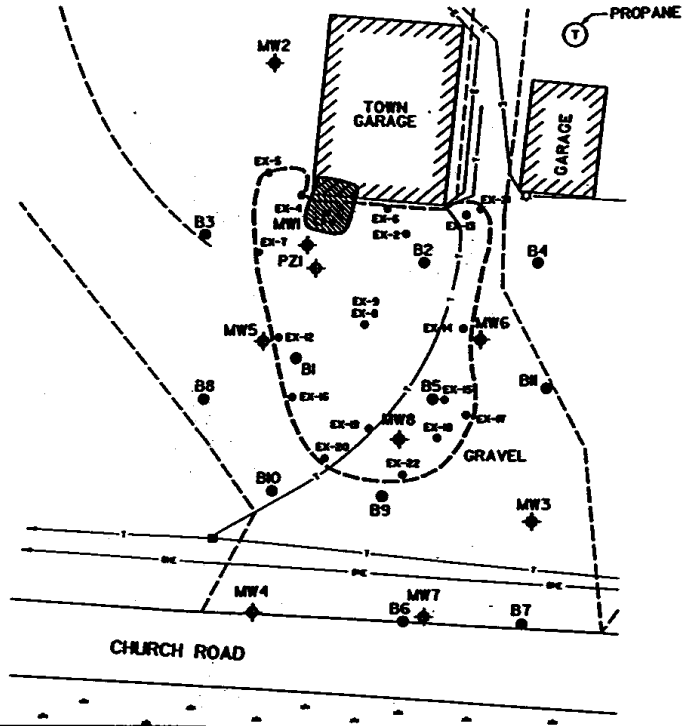
John E. Hendrickson
Notary Public, State of Wisconsin
My commission expires 8-17-03

JOHN E. HENDRICKSON NOTARY PUBLIC STATE OF WISCONSIN

This document was drafted by MSA Professional Services, Inc.

Brian Hegge

569367



LEGEND

- MW8 — EXISTING MONITORING WELL
- B5 — SOIL BORING
- EX-1 — SOIL SAMPLE LOCATION
- LIMITS OF REMEDIAL EXCAVATION
- POST REMEDIAL ACTION SOIL CONTAMINATION

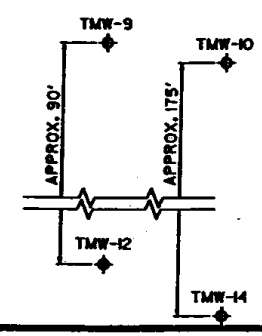
ND —	=	NOT DETECTED BY LABORATORY ANALYSIS
<5	=	FIELD GAS CHROMATOGRAPH (GC) SAMPLE
N/A	=	NOT AVAILABLE
BLANK	=	NOT ANALYZED
OVM	=	ORGANIC VAPOR METER
GRO	=	GASOLINE RANGE ORGANICS
DRO	=	DIESEL RANGE ORGANICS
MTBE	=	METHYLTERTBUTYL ETHER
B	=	BENZENE
T	=	TOLUENE
EB	=	ETHYLBENZENE
MP-X	=	M/P XYLENE
O-X	=	O-XYLENE
1,3,5-TM	=	1,3,5 TRIMETHYLBENZENE
1,2,4-TM	=	1,2,4 TRIMETHYLBENZENE
GRCL	=	GENERIC RESIDUAL CONTAMINANT LEVEL

NOTES:

1. ALL CONCENTRATIONS ARE IN ug/Kg UNLESS OTHERWISE NOTED.
2. OVM READINGS IN ppm.
3. BOLD NUMBERS INDICATE CONCENTRATIONS OVER NR 720 GRCL's

N W E S

30 0 30
SCALE IN FEET



EXCAVATION SAMPLING RESULTS 4/20/96 - 4/22/96

SAMPLE ID	DEPTH (FEET BGS)	OVM (ppm)	GRO (mg/Kg)	DRO (mg/Kg)	MTBE	B	T	EB	MP-X	O-X	1,3,5-TM	1,2,4-TM
NR720 GRCL			100	100		5.5	1500	2900	4100			
EX-1	5.0	300	640	1600	--	<500	--	1000	8800	6800	20000	31000
EX-2	7.0	100										
EX-3	N/A	1										
EX-4	7.0	6	1.9	2.0	--	<25	--	--	--	--	--	37
EX-5	7.0	1	--	120	--	<25	--	--	--	--	--	--
EX-6	6.0	330	2.5	2.7	--	<25	--	--	75	34	72	190
EX-7	7.0	1	--	--	--	<25	--	--	--	--	--	--
EX-8	2.0	30										
EX-9	4.0	40										
EX-10	N/A	2										
EX-11	N/A	3										
EX-12	7.0	14	--	--	--	<25	--	--	--	--	--	--
EX-13	7.0	300	13000	3400	<12000	<12000	57000	85000	800000	460000	540000	1300000
EX-14	7.0	25										
EX-15	6.0	660										
EX-16	6.0	40										
EX-17	6.0	1	--	--	--	<25	--	--	--	--	--	--
EX-18	7.0	153										
EX-19	5.0	50	220	36	140	<25	150	630	2400	900	2300	6200
EX-20	4.0	3	2.6	9.7	--	<25	--	--	36	--	33	110
EX-21	7.0	0	--	4.0	--	<25	--	--	--	--	--	--
EX-22	4.5	12	--	5.9	--	<25	--	--	--	--	--	41

FIGURE 6

SOIL EXCAVATION EXTENT AND SAMPLE LOCATIONS

CASSIAN TOWN GARAGE
HARSHAW, WISCONSIN

MSA

DRAWN BY | DATE
CHECKED BY | SCALE

SHEET ___ OF ___
FILE NO. 21218310