

TO: Eric Sandin, GEF II, Geo/8

Groundwater Use Registry Buckslip

Site Name Ghost Lake Store

Address 7316 W St Hwy 77
SPIDER LAKE, WI

BRRTS # 03-58-000378

GPS Location: _____ latitude _____ longitude

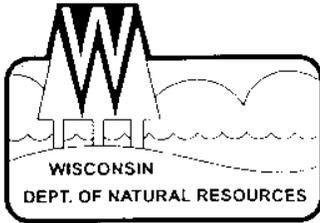
Date of Closure Decision 10/26/98

Required

- Closure Letter
- Deeds for all properties with ES exceedance in Groundwater (Revered GWR)
- GPS location (latitude and longitude)
- Location map
- Detailed Site Map
- Groundwater Flow Direction Diagram including location of monitoring wells and all drinking water wells
- Latest Groundwater Plume Map with Groundwater Flow Direction (Plume)
- Latest Table of Analytical Results for Groundwater

If Available, include the following:

- Metes and Bounds Legal Description
- Tax Parcel Number
- Geologic cross sections showing soil and groundwater contaminant source extent and location, isoconcentrations for all groundwater contaminants that exceed NR 140 enforcement standards, water table and piezometric elevations, and the extent, location and elevation of geologic units, bedrock, and confining unites



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, 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

September 21, 1998

Mr. Len Kurowski
4425 Roslyn Rd
Downers Grove, IL 60515

Subject: Ghost Lake Store, 7316 W STH 77, Spider Lake, WI, BRRTS # 03-58-000378

Dear Mr. Kurowski:

The Department of Natural Resources provided a notice to you that the degree and extent of gasoline contamination at the above-named site was required to be investigated and remediated. We have since been informed that the required investigation and remediation has been accomplished.

On August 6, 1998, the above-named site was reviewed by the Northern Region Closeout Committee for a determination as to whether or not the case qualified for close out under ch. NR 726, Wis. Adm. Code.

Based on the investigative and remedial documentation provided to the Department, it appears that the petroleum contamination at the above-named site has been remediated to the extent practicable under current site conditions. Therefore, the Department considers the case "closed," having determined that no further action is necessary at the site at this time. However, due to the presence of residual contamination remaining in the groundwater, a condition of the closeout of the case is that the owner sign and record a Groundwater Use Restriction for the property within 30 days after the receipt of this letter.

Your consultant, Cedar Corporation, has submitted a draft Groundwater Use Restriction. This document has been reviewed by the Department and it is approved for recording as is. Please sign and record the restriction with the Sawyer County Register of Deeds. After recording the document, send a copy of the recorded Groundwater Use Restriction, with the recording information stamped on it, to me at the above address. The Groundwater Use Restriction may be amended in the future with the approval of DNR if conditions change at the site and the residual contamination is remediated.

Please note that this case closure is contingent upon proper documentation of proper abandonment of the monitoring wells on site. If monitoring wells remain at this site, please provide the documentation that this action has been completed, or have your consultant do so. The documentation can be sent to my attention at the above address.



Quality Natural Resources Management
Through Excellent Customer Service



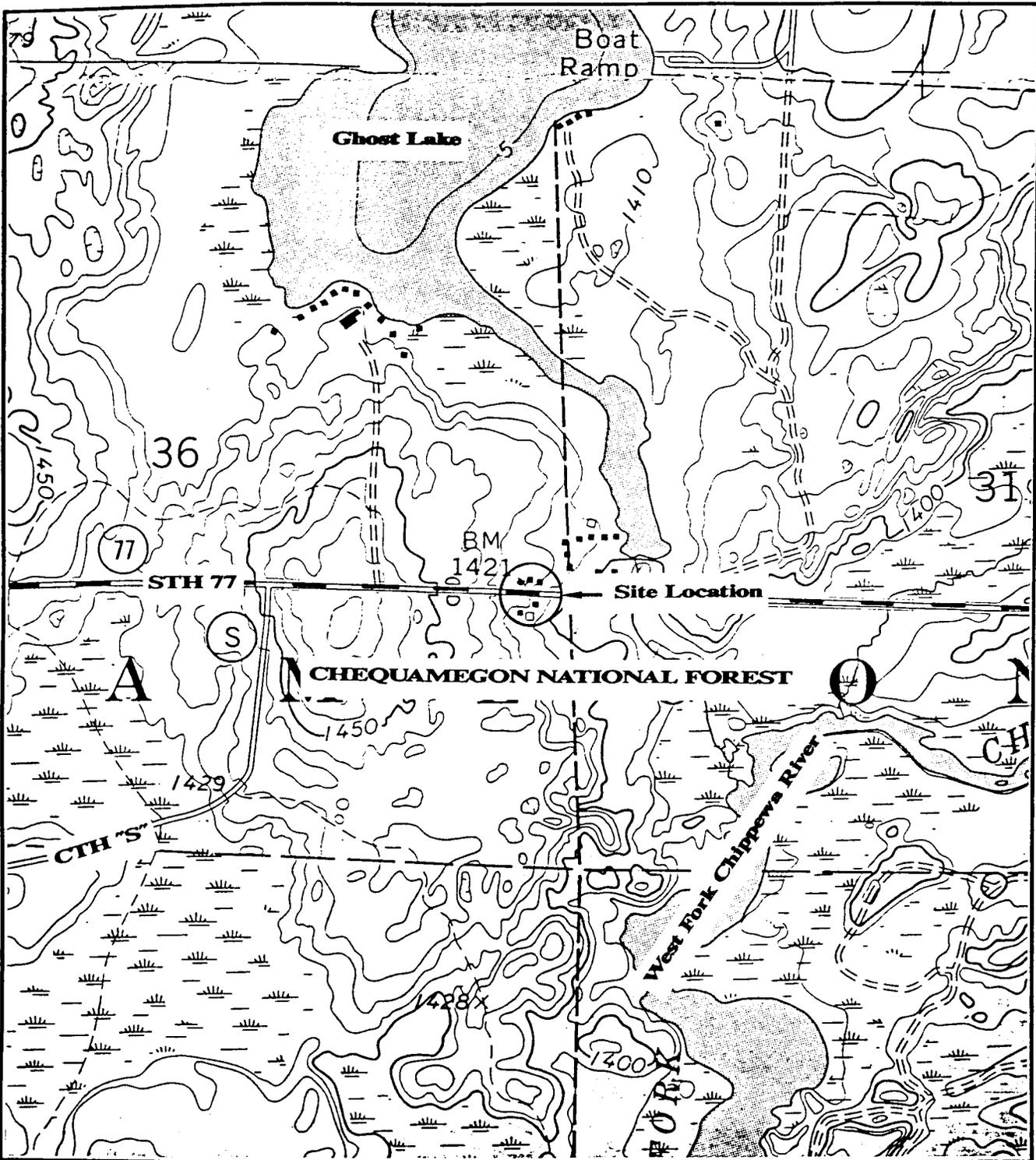
If you have any questions, please call me at 715-365-8990.

Sincerely,
NORTHERN REGION

A handwritten signature in cursive script that reads "Janet Kazda".

Janet Kazda
Case Closeout Committee

➔ cc: File
Mitch Evenson
Cedar Corporation
604 Wilson Ave
Menomonie, WI 54751



LEGEND

Topography C.I. = 10 Ft.

MOOSE LAKE QUADRANGLE
Wisconsin - Sawyer, Co.

7.5 Minute Series; 1972

DRAWN BY:
USGS

DATE:
August 1997

REVISED BY:
CEL

SCALE:
1 : 120

architects - engineers - environmental specialists

cedar corporation

land surveyors - planners - landscape architects

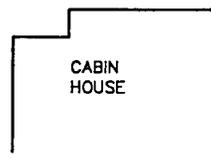
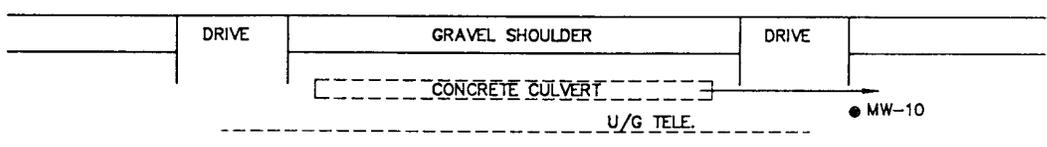
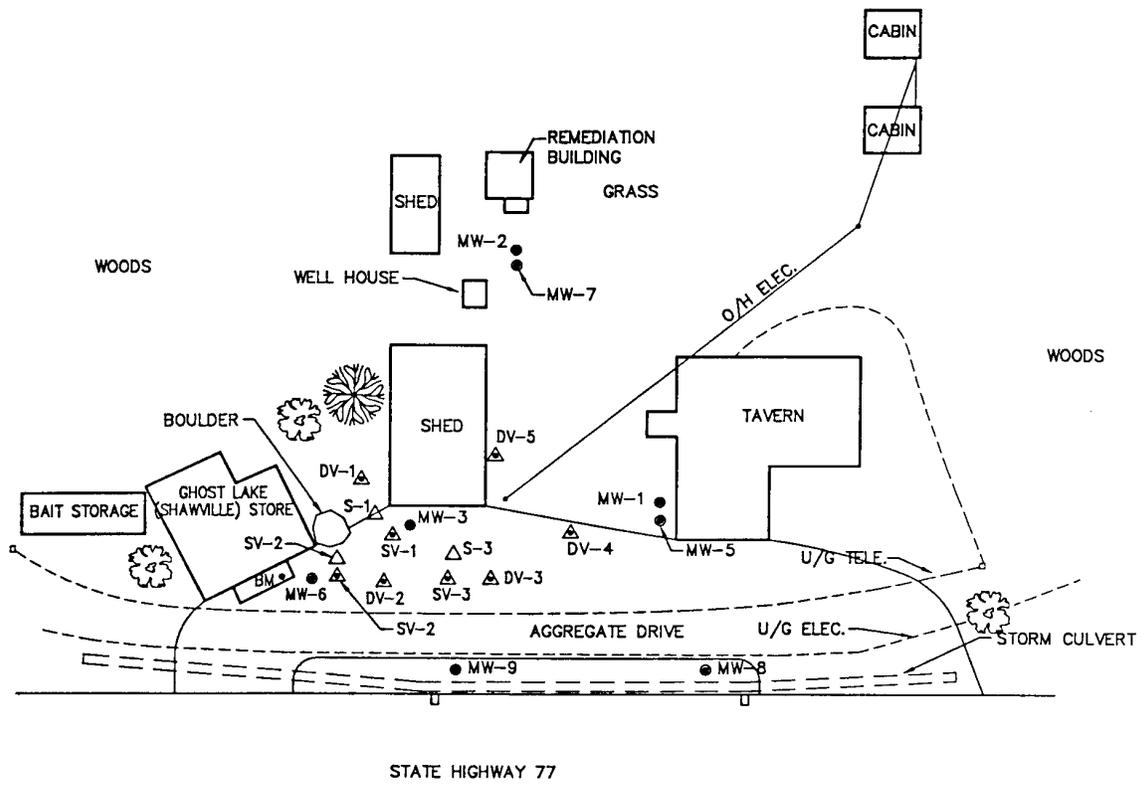
Former Ghost Lake Store
STH 77 & CTH "S" Jct.
Spider Lake, WI

SITE LOCATION

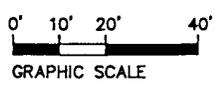
CHECKED BY:
CEL

JOB NO.:
1334-003-64

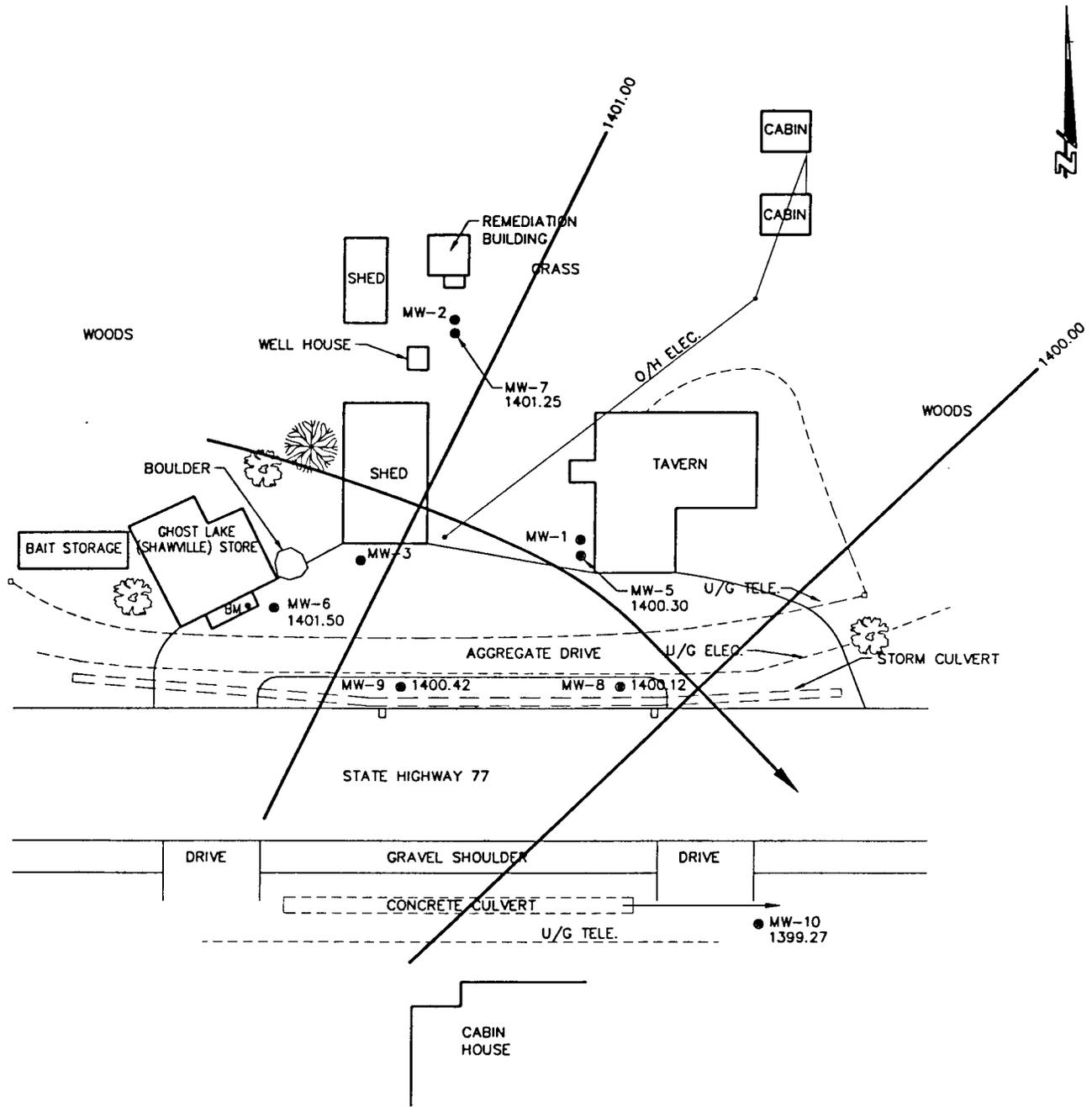
FIGURE:
1



KEY	
●	MONITORING WELL
▲	SOIL VENTS
△	SPARGE VENT

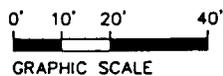


		604 Wilson Avenue Menomonie, Wisconsin 54751 715-235-9081 800-472-7372 FAX 715-235-2727 www.cedarcorp.com	
		engineers • architects • planners • environmental specialists land surveyors • landscape architects • interior designers	
DRAWN BY PKF	PROJECT TITLE GHOST LAKE STORE TOWN OF SPIDER LAKE SITE FEATURES	CHECKED BY CEL	JOB NO. 1334-003-64
DATE AUG. '97	FILE GLAKE.DWG	FIGURE 2	
SCALE 1"=40'			

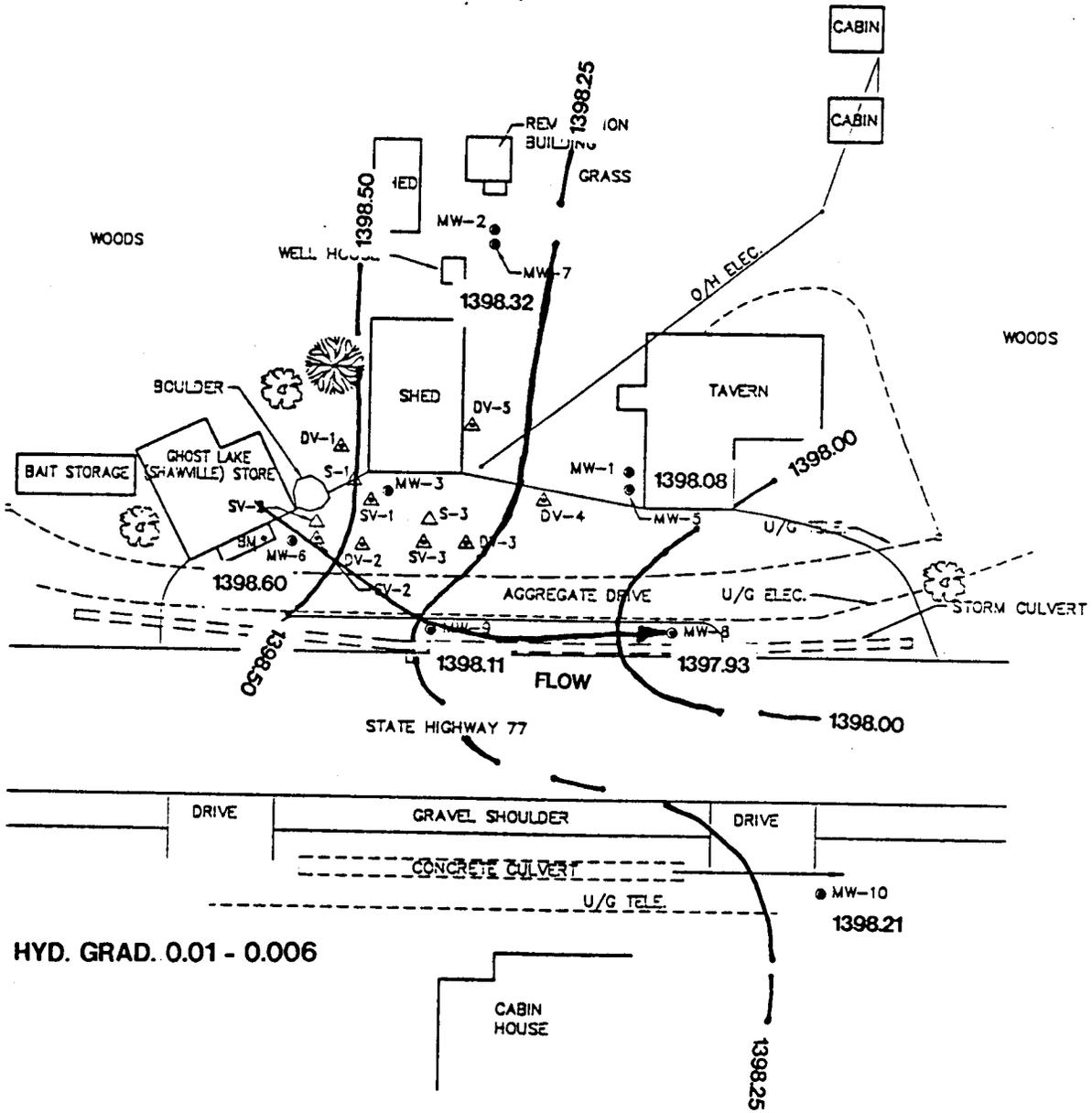


KEY	
●	MONITORING WELL
▲	SOIL VENTS
△	SPARGE VENT

8-19-97 GROUND WATER ELEVATIONS



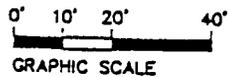
		604 Wilson Avenue Menomonie, Wisconsin 54751 715-235-9081 800-472-7372 FAX 715-235-2727 www.cedarcorp.com	
		DRAWN BY PKF	PROJECT TITLE GHOST LAKE STORE TOWN OF SPIDER LAKE GROUND WATER FLOW
DATE AUG. '97	FILE GLAKE.DWG	JOB NO. 1334-003-64	FIGURE 3
SCALE 1"=40'			



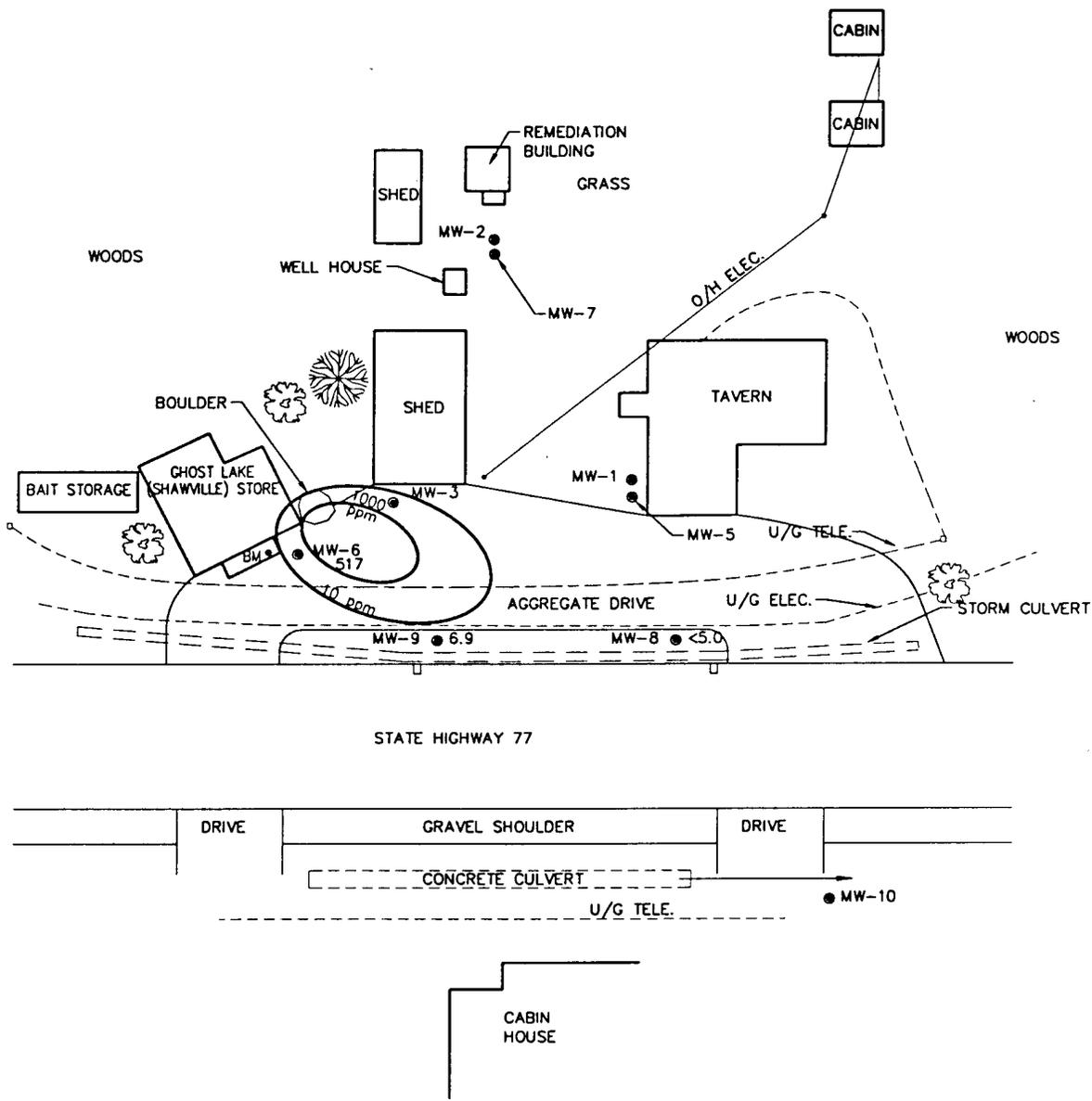
HYD. GRAD. 0.01 - 0.006

REGIONAL G W DATA: 04/08/98

KEY	
●	MONITORING WELL
▲	SOIL VENTS
△	SPARGE VENT

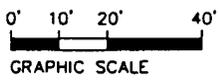


		504 Wilson Avenue Menomonie, Wisconsin 54751 715-235-9081 800-472-7372 FAX 715-235-2727 www.cedarcorp.com	
		DRAWN BY PKF	PROJECT TITLE GHOST LAKE STORE TOWN OF SPIDER LAKE
DATE AUG. '97	FILE GLAKE.DWG	JOB NO. 1334-003-64	FIGURE FIG. 10B
SCALE 1"=40'			



KEY	
●	MONITORING WELL

8-19-97 TOTAL BTEX CONCENTRATIONS



		604 Wilson Avenue Menomonie, Wisconsin 54751 715-235-9081 800-472-7372 FAX 715-235-2727 www.cedarcorp.com	
		engineers • architects • planners • environmental specialists land surveyors • landscape architects • interior designers	DRAWN BY PKF
DATE MARCH '98	FILE GLBTEX.DWG	JOB NO. 1334-003-64	FIGURE
SCALE 1" = 40'			

GHOST LAKE STORE

TWN. OF SPIDER LAKE, WI

GROUND WATER ANALYTICAL RESULTS

WELL#	BENZENE (ppb)	ETHYLBENZENE (ppb)	MTBE * (ppb)	TOLUENE (ppb)	1,2,4-TMB** (ppb)	1,3,5-TMB** (ppb)	XYLENES (ppb)	GRO (ppb)
[ES-NR 140]	[3.0]	[700.0]	[00.0]	[343.0]	[NONE]	[NONE]	[420.0]	[NONE]
[PAL NR 140]	[0.5]	[140.0]	[12.0]	[00.0]	[NONE]	[NONE]	[124.0]	[NONE]
MW-1								
06/11/91	<1.0	<1.0	NA	<1.0	NA	NA	<1.0	NA
07/26/91	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
12/05/91	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
03/25/92	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
10/22/92	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
12/16/92	DRY							
04/03/93	DRY							
07/01/93	DRY							
06/21/94	DRY							
11/25/94	DRY							
04/20/95	ND	ND	ND	ND	ND	ND	ND	ND
06/27/95	DRY							
09/28/95	DRY							
NR - PERCHED & SEASONAL / GRANTED SAMPLE VARIANCE								
MW-2								
06/11/91	<1.0	<1.0	NA	<1.0	NA	NA	<1.0	NA
07/26/91	<1.0	<1.0	1.0	<1.0	1.4	<1.0	1.1	NA
12/05/91	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
03/25/92	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
10/22/92	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
12/16/92	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
04/03/93	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	NA
07/01/93	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
06/21/94	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	NA
11/25/94	<1.0	<1.0	NA	<1.0	NA	NA	<1.0	NA
04/20/95	ND	ND	ND	ND	ND	ND	ND	ND
06/27/95	ND	ND	ND	1.3	3.4	ND	2.9	NA
09/28/95	DRY							
NR - PERCHED & SEASONAL / GRANTED SAMPLE VARIANCE								
MW-3								
06/11/91	DRY							
07/26/91	DRY							
12/05/91	DRY							
03/25/92	DRY							
10/22/92	DRY							
12/16/92	DRY							
04/03/93	DRY							
07/01/93	DRY							
06/21/94	DRY							
11/25/94	DRY							
04/20/95	DRY							
06/27/95	1700	150	ND	5400	540	280	3800	NA
09/28/95	DRY							
NR - PERCHED & SEASONAL / GRANTED SAMPLE VARIANCE								
MW-5								
06/19/92	<1.0	<1.0	<1.0	2.0	<1.0	<1.0	<1.0	<50
10/22/92	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
12/16/92	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
04/03/93	<1.0	<1.0	<10.0	<1.0	<5.0	<5.0	<1.0	NA
07/01/93	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
06/21/94	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	NA
09/11/94	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
11/25/94	<1.0	<1.0	NA	<1.0	NA	NA	<1.0	NA
04/20/95	ND	ND	ND	ND	ND	ND	ND	ND
06/27/95	ND	ND	ND	ND	ND	ND	ND	NA
09/28/95								
NR - GRANTED SAMPLE VARIANCE								
MW-6								
06/19/92	1900	280	<10	550	<10	<10	370	6500
10/22/92	2200	270	<100	170	<100	<100	<100	NA
12/16/92	3100	250	<50	240	<50	<50	<50	NA
04/03/93	3500	210	<500	140	<250	<250	130	NA
07/01/93	3100	160	<100	140	<100	<100	<100	NA
06/21/94	1520	164	<500	79.5	<250	<250	<50	NA
09/11/94	1200	140	<5.0	66	65	<5.0	23	NA
11/25/94	520	39	NA	16	NA	NA	<10	NA
04/20/95	500	35	22	19	4.1	ND	5.7	1900
06/27/95	150	19	ND	8.1	2.3	ND	2.8	NA
09/28/95	80	9.6	ND	5.5	1.2	ND	2.4	NA
05/06/96	24	6.6	<1.0	<1.0	<1.0	<1.0	<1.0	NA
10/18/96	340	200	<5.0	130	15	41	330	1600
05/01/97	301	42.4	<5.0	6.25	<5.0	5.58	<5.0	503
08/19/97	474	24.7	<5.0	8.88	<5.0	<5.0	<10.0	814
04/08/98	15	0.82	<0.16	0.62	0.26	<0.29	<0.23	97

TABLE 2 GWT_QW 9/98

GHOST LAKE STORE

TWN. OF SPIDER LAKE, WI

GROUND WATER ANALYTICAL RESULTS (CONT.)

WELL #	BENZENE (ppb)	ETHYLBENZENE (ppb)	MTBE * (ppb)	TOLUENE (ppb)	1,2,4-TMB** (ppb)	1,3,5-TMB** (ppb)	XYLENES (ppb)	GRO (ppb)
<i>[ES-NR 140]</i>	<i>[5.0]</i>	<i>[700.0]</i>	<i>[60.0]</i>	<i>[343.0]</i>	<i>[NONE]</i>	<i>[NONE]</i>	<i>[620.0]</i>	<i>[NONE]</i>
<i>[PAL NR 140]</i>	<i>[0.3]</i>	<i>[140.0]</i>	<i>[12.0]</i>	<i>[66.6]</i>	<i>[NONE]</i>	<i>[NONE]</i>	<i>[125.0]</i>	<i>[NONE]</i>
MW - 7								
06/19/92	<1.0	<1.0	<1.0	6.7	<1.0	<1.0	3.7	<50.0
10/22/92	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
12/16/92	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
04/03/93	<1.0	<1.0	<10.0	<1.0	<5.0	<5.0	<1.0	NA
07/01/93	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
06/21/94	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	NA
09/11/94	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
11/25/94	<1.0	<1.0	NA	<1.0	NA	NA	<1.0	NA
04/20/95	ND	ND	ND	ND	ND	ND	ND	ND
06/27/95	ND	ND	ND	ND	ND	ND	ND	NA
09/28/95			NR - GRANTED SAMPLE VARIANCE					
08/19/97	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<50
MW - 8								
06/21/94	<1.0	<1.0	<10	<1.0	<5.0	<5.0	<1.0	NA
09/11/94	2400	320	91	110	<50	<50	<50	NA
11/25/94	640	85	NA	17	NA	NA	<10	NA
04/20/95	940	150	ND	33	6.2	ND	16	2900
06/27/95	ND	ND	ND	ND	ND	ND	ND	NA
09/28/95	ND	ND	ND	ND	ND	ND	ND	NA
05/06/96	11	<1.0	<1.0	1.4	<1.0	<1.0	<1.0	NA
10/18/96	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<50
05/01/97	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<50
08/19/97	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<50
04/08/98	0.26	<0.22	<0.16	<0.20	<0.22	<0.29	0.36	<50
MW - 9								
06/21/94	2110	372	<500	146	<250	<250	137	NA
09/11/94	2400	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
11/25/94	<1.0	<1.0	NA	<1.0	NA	NA	<1.0	NA
04/20/95	ND	ND	ND	ND	ND	ND	ND	ND
06/27/95	810	170	ND	43	7.9	2.4	17	NA
09/28/95	81	13	16	2.1	1.4	ND	ND	NA
05/06/96	420	<100	<100	8100	<100	<100	<100	NA
10/18/96	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<50
05/01/97	12.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	54.8
08/19/97	2.94	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<50
04/08/98	1.0	0.29	<0.16	<0.20	<0.22	<0.29	<0.23	<50
MW - 10								
05/01/97	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<50
08/19/97	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<50
04/08/98	<0.13	<0.22	<0.16	<0.20	<0.22	<0.29	<0.23	<50
BL - DW #								
10/27/94	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
CABIN-DW ##								
11/16/95	ND	ND	ND	ND	ND	ND	ND	NA
Site Potable Well @								
5/20/98	ND	ND	ND	ND	ND	ND	ND	ND

ES NR 140 - Enforcement Standards for Ground Water Quality
 PAL NR 140 - Preventive Action Limits for Ground Water Quality
 ppb - Parts-per-billion
 MTBE* - Tert-methyl butyl ether
 TMB** - Trimethylbenzene (1,2,4 & 1,3,5)
 GRO - Gasoline Range Organics

ND - No Detection through laboratory analysis
 NR - Not Required to be sampled
 NA - Not laboratory analyzed
 # - Boulder Lodge
 ## - Cabin south of property
 @ - Site drinking water well

TABLE 2 (cont.)

GWNT_078.WBI

NATURAL ATTENUATION INDICATOR PARAMETERS
 Len Kurowski
 Ghost Lake Store

Monitoring Well	Date Sampled	Dissolved Oxygen mg/L	Redox. Pot, mv	NO2 + NO3 Nitrogen mg/L	Diss. Iron mg/L	Diss. Sulfate mg/L
10	08/19/97	10.3	205	5.12	<0.01	11.8
10	04/08/98	11.3		6.2	0.008	4.2
6	08/19/97	3.6	145	<0.3	0.493	10.4
6	04/08/98	NA		0.34	0.938	19
7	08/19/97	10.1	200	1.29	<0.01	4.44
8	08/19/97	9.0	160	8.02	<0.01	26.8
8	04/08/98	7.9		4.2	<0.008	23
9	08/19/97	5.8	150	2.89	<0.01	24.4
9	04/08/98	1.3		2.1	0.462	27

NA = Not Analyzed

ug/L = micrograms per liter = parts per billion

mg/L = milligrams per liter = parts per million

su = standard units

mv = millivolts

Redox Pot. = Reduction Oxidation Potential

Cedar Corporation, 06/10/98

l:/working/natatt

ABBREVIATIONS
 F --- Fine
 M --- Medium
 C --- Coarse
 W --- Weathered
 S --- Sand

MATERIAL SYMBOLS

Topsoil	SH	Sandstone
Sand	Peat	Limestone
Gravel	Clay	Igneous Rock

LEGEND OF BORING

* Laboratory Analytical Results
 B - Benzene
 T - Toluene
 X - Xylene
 S - Solvent
 S.S. - Shaly Tube
 S.T. - Shaly Tube
 Ground Water Elevation
 No Ground Water Observed Above This Elevation
 Field Screening Equipment
 U - Unit
 S.S. - Silty Clay
 Bottom Of Screen
 Limestone

* All Laboratory Results Reported in PPM.

GEOLOGIC LEGEND

A - SLTY SANDS, SAND-SILT MIXTURES
 B - WELL-GRADED SANDS AND GRAVELLY SANDS, LITTLE OR NO FINES

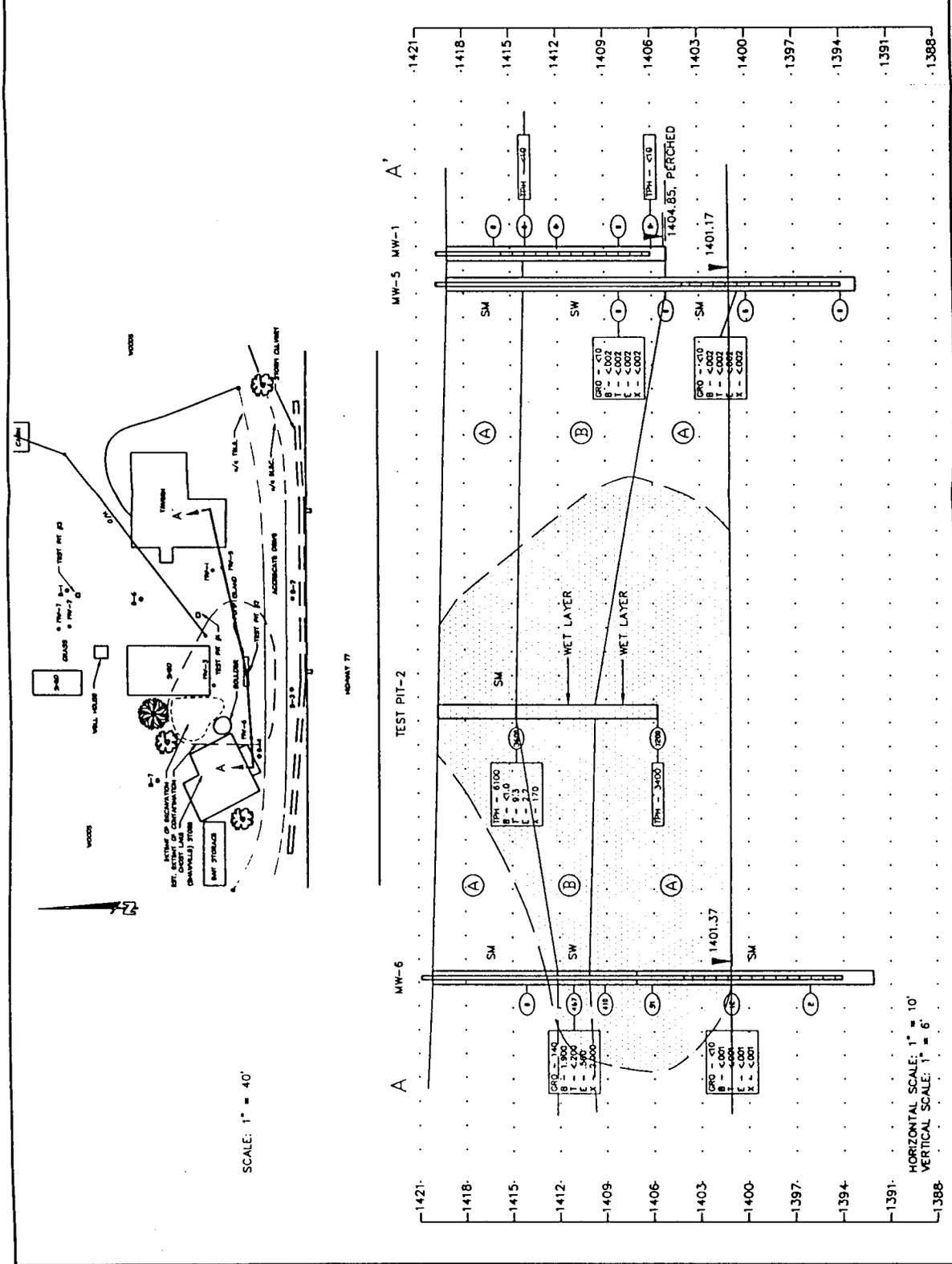
SOIL CONTAMINATION ABOVE 10 PPM TPH

GEOWATER ELEVATIONS BASED ON 7/1/93 DATA

LEN KUROVSKI
 GHOST LAKE SITE

FIG. 4 Cross-Section A - A'

Drawn by: S.L.R. Checked by: [blank] Scale: As Shown MET.
 CAD FILE: GH05TKSA
 JOB NUMBER: 1324-002-14
 Cedar Corporation

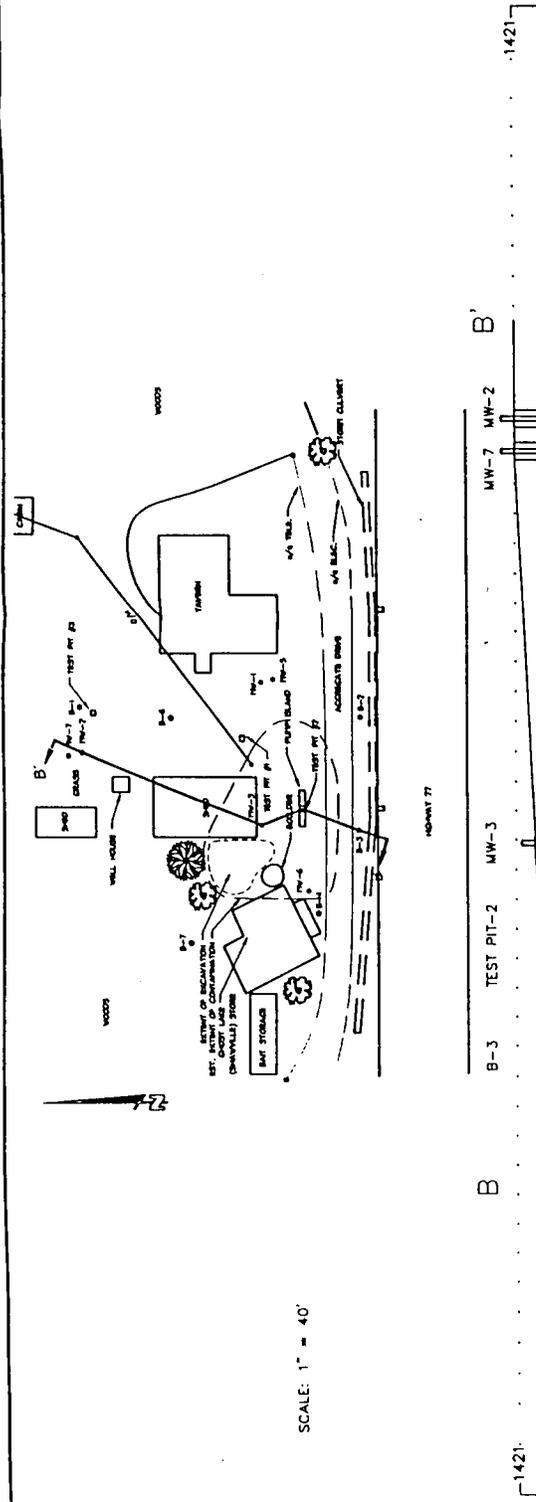
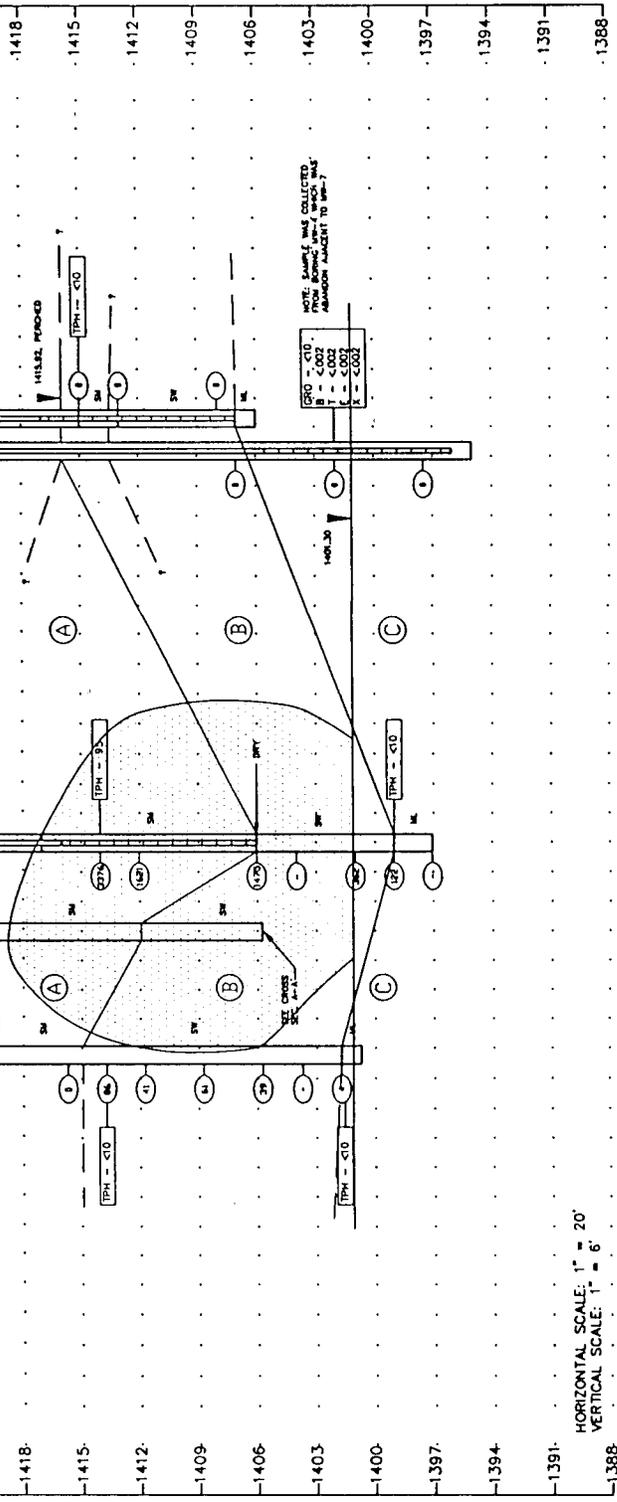


ABBREVIATIONS
 F--- Fine M--- Medium C--- Coarse
 W--- Well-sorted Sp--- Sand

MATERIAL SYMBOLS
 Topsoil Silt Sandstone
 Sand Peat Limestone
 Gravel Clay Igneous Rock

LEGEND OF BORING
 Direction of Boring Well Casing
 S.S. S.S. Sandy Gravel
 Laboratory Analytical Results: B - Benzene, F - Fluoride, C - Chloride, X - Xylene
 S.T. Field Sampling Instrument S.S. Silty Sand
 Ground Water Elevation No Ground Water Observed Above This Elevation

* All Laboratory Results Reported in PPM.



HORIZONTAL SCALE: 1" = 20'
 VERTICAL SCALE: 1" = 6'