01/03/2000

CLIENT: **SPIRITLAND STORE**
ESTATE OF JANET SZCZESNY
HWY BB & D
TOWN OF ALMOND, WI

TITLE: **Operating, Maintenance, Monitoring and Optimization Report**
January 1999 – December 1999

PROJECT: 99-048

BRRTS NO: 03-50-001258

DATE: December 1999

ESP GROUP, INC.
LAMPERT-LEE & ASSOCIATES
ENGINEERS • SURVEYORS • PLANNERS
10968 Highway 54 East • Wisconsin Rapids, WI 54494-8709
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MS LISA GUTKNECHT
WDNR
5301 RIB MOUNTAIN DRIVE
WAUSAU WI 54401

December 30,1999
LLA # 99-048
BRRTS # 03-50-001258

RE: Spiritland Store OMMO Report

Dear Ms. Gutknecht:

Enclosed is the Operation, Maintenance, Monitoring and Optimization report for the Spiritland Store UST project at Hwy BB & D in the Town of Almond, Wisconsin.

Sincerely,
LAMPERT – LEE & ASSOCIATES

Janet Snedeker

Janet Snedeker
Project Manager

Jim Lindemann
Hydrogeologist

JL/dd

Enclosure

cc: Mr Robert McDonald, McDonald Law Office, PO Box 630, 1059 Clark Street, Stevens Point, WI 54481

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SECTION 1

DNR O&M REPORT FORMS

State of Wisconsin
Department of
Natural Resources

OPERATION, MAINTENANCE, MONITORING AND OPTIMIZATION REPORTING OF SOIL AND GROUNDWATER REMEDIATION SYSTEMS

PURPOSE AND APPLICABILITY OF THIS FORM: Completion of this form is required under s. NR 724.13(e), Wis. Adm. Code. Use of this form is mandatory. Failure to submit this form as require is a violation of s. NR 724.13, Wis. Adm. Code, and is subject to the penalties in s. 144.99, Wis. Stats. This form must be submitted every six months for active soil and groundwater remediation projects and every twelve months for passive (natural attenuation) remediation projects that are regulated under the NR 700 series of Wis. Adm. Code. Specifically, for sites meeting any of the following criteria:

- Soil or groundwater remediation projects that report progress in accordance with s. NR 700.11(1), Wis. Adm. Code.
- Soil or groundwater remediation projects that report progress in accordance with s. NR 724.13(3), Wis. Adm. Code. (Note: s. NR 724.13(3) requires progress reports for operation and maintenance of active systems to be submitted every three months however the Department considers submittal of this form every six months to satisfy the requirements of the rules, unless otherwise directed by the Department on a site specific basis.)
- Soil or groundwater remediation projects that report progress in accordance with s. NR 724.17(3), Wis. Adm. Code. (Note: s. NR 724.17(3) requires progress reports every time that samples are collected however the Department considers submittal of this form every twelve months to satisfy the requirements of the rules for monitoring natural attenuation, unless otherwise directed by the Department on a site specific basis.)

Submittal of this form is not a substitute for reporting required by Department programs such as Wastewater or Air Management. Personally identifiable information on this form is not intended to be used for any other purpose than tracking progress of the remediation by the Bureau for Remediation and Redevelopment.

Please refer to the instructions that are attached to the back of these forms starting on page INS-1. In all cases, when asked to "explain," those explanations are to be included on separate sheets of paper. Explanations must include a title that refers to the page and item number, for example: Page GI-2, C.1.a.

A. GENERAL INFORMATION:

1. Site name: The Estate of Janet Szczesny : Spiritland Store
2. Reporting period from: 1/1/99 To: 12/31/99 Days in period: 365
3. Regulatory agency (enter DNR, DCOM, DATCP and/or other): DCOM
4. DNR issued site number: NCD UID #1258
5. State reimbursement fund claim number and fund name (if not applicable, enter NA): PECFA, 54909-9801-97
6. Site location:
   a. DNR region and county: Western, Portage
   b. Street address and municipality: HWY BB&D, R+1, Box 197, Town of Almond
   c. Township, range, section and quarter quarter section: SW 1/4, SE 1/4 Sec. 30, T21N, R9E
7. Responsible party:
   a. Name: The Estate of Janet Szczesny
   b. Mailing address: c/o Robert McDonald, McDonald Law Office
      P.O. Box 630, 1659 Clark St Stevens Point WI 54481
   c. Phone number: 715-344-3700
8. Consultant:
   a. Company name: Lampert-Lee & Associates
   b. Mailing address: 10968 Hwy 54 E
      Wisconsin Rapids WI 54494
   c. Phone number: 715-424-3131
9. Contaminants: Toluene, Ethylbenzene, Total Xylenes, Trimethylbenzenes, Naphthalene, Lead
10. Soil types (USCS or USDA): Richford loamy sand
11. Hydraulic conductivity (cm/sec): 10^{-3} cm/sec 12. Average linear velocity of groundwater (ft/yr): 4.35 ft/yr.

GENERAL SITE INFORMATION, CONTINUED

SITE NAME AND REPORTING PERIOD:

Site name: The Estate of Janet Szczesny : Spiritland Store

Reporting period from: 1/1/99 To: 12/31/99 Days in period: 365

A. GENERAL INFORMATION (CONTINUED):

13. If soil is treated ex situ, is the treatment location off site? (Y/N) If yes, give location: N/A

    a. DNR region and county: _____

    b. Township, range, section and quarter quarter section: _____

B. REMEDIATION METHOD: Only submit pages that apply to an individual site. Check all that apply:

- ____ Groundwater extraction (submit a completed page GW-1).
- ____ Free product recovery (submit a completed page GW-1).
- ____ In situ air sparging (submit a completed page GW-2).
- X Groundwater natural attenuation (submit a completed page GW-3).
- ____ Other groundwater remediation method (submit a completed page GW-4).
- ____ Soil venting (including soil vapor extraction and bioventing, submit a completed page IS-1).
- X Soil natural attenuation (submit a completed page IS-2).
- ____ Other in situ soil remediation method (submit a completed page IS-3).
- ____ Biopiles (submit a completed page ES-1).
- ____ Landspreading/thinspreading of petroleum contaminated soil (submit a completed page ES-2).
- ____ Other ex situ soil remediation method (submit a completed page ES-3).

C. GENERAL EFFECTIVENESS EVALUATION FOR ALL ACTIVE SYSTEMS: If the remediation is active (not natural attenuation), complete this subsection.

1. Is the system operating at design rates and specifications? (Y/N): _____
   If the answer is no, explain whether or not modifications are necessary to achieve the goal that was previously established in design.
2. Are modifications to the system warranted to improve effectiveness? (Y/N) If yes, explain: _____
3. Is natural attenuation an effective low cost option at this time? (Y/N): _____
4. Is closure sampling warranted at this time? (Y/N): _____
5. Are there any modifications that can be made to the remediation to improve cost effectiveness? (Y/N) If yes, explain: _____

D. ECONOMIC AND COST DATA TO DATE:

1. Total investigation costs ($): $35,854.25
2. Implementation costs (design, capital and installation costs, excluding investigation costs) ($): N/A
3. Total costs during the previous reporting period ($): N/A
4. Total costs during this reporting period ($): $7111
5. Total anticipated costs for the next reporting period ($): Est $5000
6. Are any unusual or one-time costs listed in the reporting periods covered by D.3., D.4. or D.5. above? (Y/N) If yes explain: No
7. If close out is anticipated within 12 months, estimated costs for project closeout ($): N/A

GENERAL SITE INFORMATION, CONTINUED

SITE NAME AND REPORTING PERIOD:

Site name: The Estate of Janet Szczesny: Spiritland Store

Reporting period from: 1/1/99 To: 12/31/99 Days in period: 365

E. NAME(S), SIGNATURE(S) AND DATE OF PERSON(S) SUBMITTING FORM: Legibly print name, date and sign. Only persons qualified to submit reports under ch. NR 712 Wis. Adm. Code are to sign this form.

Registered Professional Engineers:

I (print name) _____, hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the 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.

Signature, title, P.E. number and date: _____

Hydrogeologists:

I (print name) Jim Lindemann, 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 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.

Signature, title and date: [signature], Hydrogeologist, 12/30/99

Scientists:

I (print name) Janet Snedeker, hereby certify that I am a scientist as that term is defined in s. NR 712.03(3), 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.

Signature, title and date: Janet Snedeker, Project Manager, 12/30/99

Professional Seal(s), if applicable:

NATURAL ATTENUATION (PASSIVE BIOREMEDIATION) IN GROUNDWATER

SITE NAME AND REPORTING PERIOD:

Site name: The Estate of Janet Szczesny: SpiritLand Store

Reporting period from: 1/1/99 To: 12/31/99 Days in period: 365

A. EFFECTIVENESS EVALUATION:

1. If free product is not present, determine the single contaminant that requires the greatest percent reduction to achieve ch. NR 140 ES and PAL. Perform this calculation for all contaminants that were present at the site that have ch. NR 140 standards. Use the highest contaminant concentration measured in any sampling points during reporting period. If free product is present, write "FREE PRODUCT" in A.1.a.

   a. Contaminant: Total xylenes; 87.35% (ES); 97.47% (PAL) in MW1

   b. Percent reduction necessary to reach ch. NR 140 ES and PAL: ↗

   c. Maximum contaminant concentration level in any monitoring well (µg/L): 4900 µg/l

2. Aquifer parameters:

   a. Hydraulic conductivity (cm/sec): 10^{-3} cm/sec.

   b. Groundwater average linear velocity (ft/yr): 4.35 ft./yr.

3. Is there a downgradient monitoring well that meets ch. NR 140 standards (Y/N): yes

4. Based on water chemistry results, is the plume expanding, stabilized or contracting: stabilized

5. If the answer in 4. (above) is "expanding," is natural attenuation still the best option? (Y/N) If yes, explain:

6. Biodegradation parameters:

   a. Upgradient (or other site specific background) DO level (mg/L): 10.3

   b. DO levels in the part of the plume that is most heavily contaminated (mg/L): 1

7. Is site closure a viable option within 12 months from the date of this form? (Y/N): No

8. Are there any modifications that can improve cost effectiveness? (Y/N) If yes, explain: No

9. Have groundwater table fluctuations changed the contaminant level trends over time? (Y/N) If yes, explain): No

10. Has the direction of ground water flow changed during the reporting period? (Y/N) If yes, approximate change in degrees: NO

B. ADDITIONAL ATTACHMENTS: Attach the following to this form:

- ✓ Groundwater contour map.
- ✓ Groundwater contaminant distribution map (may be combined with contour map).
- ✓ When contaminants are aerobically biodegradable, attach a dissolved oxygen in groundwater map (dissolved oxygen may be combined with the contaminant data on a single map).
- ✓ Graph of contaminant concentrations versus time for the contaminant listed in A.1.a. (above) for the monitoring point with the greatest level of contamination.
- ✓ Graph of contaminant concentrations versus distance.
- ✓ Groundwater contaminant chemistry table.
- ✓ Groundwater biological parameters.
- ✓ Groundwater elevations table.

NATURAL ATTENUATION (PASSIVE BIOREMEDIATION) IN SOIL

SITE NAME AND REPORTING PERIOD:

Site name: The Estate of Janet Szczesny: SpiritHand Store

Reporting period from: 1/1/99 To: 12/31/99 Days in period: 365

A. EFFECTIVENESS EVALUATION:

1. Soil gas information in the soil that is most contaminated from a permanently installed gas probe(s) or water table monitoring well(s).
   a. Hydrocarbon levels (ppm_v with an FID): SB-5, 13-15' (4/17/98): PID reading of 98 ppm
   b. Oxygen levels (percent): N/A
   c. Carbon dioxide levels (specify ppm_v or percent): N/A
   d. Methane levels (ppm_v): N/A

2. Soil gas information in background (uncontaminated soil) from permanently installed gas probe(s) or water table monitoring well(s):
   a. Hydrocarbon levels (ppm_v with an FID):
   b. Oxygen levels (percent): N/A
   c. Carbon dioxide levels (specify ppm_v or percent): N/A
   d. Methane levels (ppm_v): N/A

3. List the results of the single boring that had the highest levels of soil contamination during the last round of soil sampling, and the date those samples were collected. Since soil borings are only drilled periodically, list the most recent data even if the data is prior to this reporting period. Since this data is used to assess progress based on the most recent soil sampling event, do not list data from prior sampling events.
   a. Total hydrocarbons. Specify if GRO and/or DRO. (mg/kg): (4/17/98) SB-5, 13-15' bgs: GRO - 632 mg/kg
   b. Specific compounds (µg/kg):
      i. Benzene: ND
      ii. 1,2 Dichloroethane: ND
      iii. Ethylbenzene: ND
      iv. Toluene: ND
      v. Total xylenes: ND

4. Is there any evidence that contaminants are leaching into groundwater? (Y/N): YES
   If the answer is yes and if groundwater quality is not being monitored, explain.

5. Is site closure a viable option within 12 months from the date of this form? (Y/N): NO

6. Are there any modifications that can be made to the remediation to improve cost effectiveness? (Y/N) If yes, explain: No

B. ADDITIONAL ATTACHMENTS: Attach the following to this form:

- ✓ Well and soil sample location map.
- ✓ Cross sections showing the water table, soil sampling locations, screened intervals for gas probes or water table wells, geologic contacts, and any former excavation boundaries.
- Graphs of contaminant concentrations, oxygen, carbon dioxide and methane levels over time.
- ✓ Groundwater elevations table, if water table wells are present at the site.
- ✓ Table of soil contaminant chemistry.
- N/A Table of soil gas readings.

SECTION 2

GROUNDWATER ANALYTICAL DATA SUMMARY TABLES

SPIRITLAND STORE UST
GROUNDWATER SAMPLES
ANALYTICAL RESULTS: MW1

Parameter	Enforcement Standard	Preventive Action Limit	7/31/98	10/21/98	4/14/99	6/29/99	9/22/99
GRO (Gasoline Range Organics)	-	-	15,100	12,000	15,000	16,000	15,000
Lead (ug/l)	15	1.5	**25.4**	**7.53**	<1.4>	<2.0>	<1.8>
VOLATILE ORGANIC COMPOUNDS	(ug/l)	(ug/l)					
Benzene	5	0.5	<25	<10	<25	**<70>**	**<25**
Ethylbenzene	700	140	**380**	**297**	**610**	**460**	**440**
Methyl - t - Butyl ether	60	12	<50	<20	<24	<50	<24
Naphthalene	40	8	**180**	**124**	**210**	**na**	**220**
Toluene	343	68.6	**2,800**	**2,060**	**1800**	**1800**	**2400**
1,2,4-Trimethylbenzene	480 (1)	96 (1)	**1,130**	**799**	<28	**900**	**880**
1,3,5-Trimethylbenzene	480 (1)	96 (1)	**367**	**335**	**280**	**350**	**310**
m&p-Xylene	620 (1)	124 (1)	**3,780**	**2,800**	**3500**	**3700**	**3400**
o-Xylene / Styrene	620 (1)	124 (1)	**1750**	**1320**	**1600**	**1300**	**1500**
Total BETX			8735	6487	7535	7330	7765

NOTE: Lab data is presented in same units as lab analytical results.

*mg/l - milligrams/liter (ppm)

**ug/l - micrograms/liter (ppb)

ND - not detected

n/a - not analyzed

- - not sampled

(1) Total Xylenes

Compound detected above PAL if in **BOLD**

- compound detected above ES

SPIRITLAND STORE UST
GROUNDWATER SAMPLES
ANALYTICAL RESULTS: MW2

Parameter	Enforcement Standard	Preventive Action Limit	7/31/98	10/21/98	4/14/99	6/26/99	9/22/99
GRO (Gasoline Range Organics)	-	-	28,200	18,300	15,000	17,000	13,000
Lead (ug/l)	15	1.5	**188.0**	**69.7**	9.6	5.6	12
TECTED VOLATILE ORGANIC COMPOUNDS							
	(ug/l)	(ug/l)					
Benzene	5	0.5	<25	10	<25	**<85>**	<25
n-Butylbenzene			209	NA	NA	NA	NA
Ethylbenzene	700	140	**1140**	**623**	**340**	**540**	**470**
Isopropylbenzene			203	NA	NA	NA	NA
p-Isopropyltoluene			106	NA	NA	NA	NA
Methyl - t - Butyl ether	60	12	<50	<20	<24	<50	<24
Naphthalene	40	8	**296**	**157**	**<78>**	NA	**120**
n-Propylbenzene			195	NA	NA	NA	NA
Toluene	343	68.6	**3,580**	**1,190**	**800**	**1000**	**560**
1,2,4-Trimethylbenzene	480 (1)	96 (1)	**1,990**	**1,210**	**<28**	**570**	**500**
1,3,5-Trimethylbenzene	480 (1)	96 (1)	**1,010**	**911**	**510**	**520**	**520**
m&p-Xylene	620 (1)	124 (1)	**4,260**	**2,340**	**1200**	**2000**	**1600**
o-Xylene / Styrene	620 (1)	124 (1)	**1810**	**825**	**400**	**580**	**340**
Total BETX			7,235	4,988	2765	4205	2995

NOTE: Lab data is presented in same units as lab analytical results.

*mg/l - milligrams/liter (ppm)

*ug/l - micrograms/liter (ppb)

ND - not detected

n/a - not analyzed

- - not sampled

(1) Totals

Compound detected above PAL if in **BOLD**

☐ - compound detected above ES

SPIRITLAND STORE UST
GROUNDWATER SAMPLES
ANALYTICAL RESULTS: MW3

Parameter	Enforcement Standard	Preventive Action Limit	7/31/98	10/21/98	4/14/99	6/29/99	9/22/99
GRO (Gasoline Range Organics)	-	-	ND	<50	<15	<15	<16>
Lead (ug/l)	15	1.5	**8.8**	**4.78**	<1.4	<1.4	<1.4
VOLATILE ORGANIC COMPOUNDS	(ug/l)	(ug/l)					
Benzene	5	0.5	ND	<0.5	<0.50	<0.5	<0.5
Ethylbenzene	700	140	ND	<1	<0.55	<0.54	<0.55
Methyl - t - Butyl ether	60	12	ND	<1	<0.47	<0.47	<0.47
Naphthalene	40	8	ND	<1	<0.52	NA	<0.52
Toluene	343	68.6	ND	<1	<0.79>	<1.8>	<0.52
1,2,4-Trimethylbenzene	480 (1)	96 (1)	ND	<1	<0.55	<0.79>	<0.55
1,3,5-Trimethylbenzene	480 (1)	96 (1)	ND	<1	<0.52	<0.52	<0.52
m&p-Xylene	620 (1)	124 (1)	ND	<1	<2.5>	<1.5>	<1.0
o-Xylene / Styrene	620 (1)	124 (1)	ND	<1	<0.50	<0.5	<0.5

NOTE: Lab data is presented in same units as lab analytical results.
*mg/l - milligrams/liter (ppm)
**ug/l - micrograms/liter (ppb)
ND - not detected
n/a - not analyzed
- - not sampled
(1) Total Xylenes
Compound detected above PAL if in **BOLD**
☐ - compound detected above ES

SPIRITLAND STORE UST
GROUNDWATER SAMPLES
ANALYTICAL RESULTS: MW4

Parameter	Enforcement Standard	Preventive Action Limit	7/31/98	10/21/98	4/14/99	6/29/99	9/22/99
GRO (Gasoline Range Organics)	-	-	ND	<50	<15	<15	<15
Lead (ug/l)	15	1.5	**3.8**	**1.59**	<1.4	<1.4	<1.4
VOLATILE ORGANIC COMPOUNDS	(ug/l)	(ug/l)					
Benzene	5	0.5	ND	<0.5	<0.50	<0.50	<0.5
Ethylbenzene	700	140	ND	<1	<0.55	<0.54	<0.55
Methyl - t - Butyl ether	60	12	ND	<1	<0.47	<0.47	<0.47
Naphthalene	40	8	ND	<1	<0.52	NA	<0.52
Toluene	343	68.6	ND	<1	<0.79>	<1.6>	<0.52
1,2,4-Trimethylbenzene	480 (1)	96 (1)	ND	<1	<0.55	<0.55	<0.55
1,3,5-Trimethylbenzene	480 (1)	96 (1)	ND	<1	<0.52	<0.52	<0.52
m&p-Xylene	620 (1)	124 (1)	ND	<1	<2.5>	<1.2>	<1.0
o-Xylene / Styrene	620 (1)	124 (1)	ND	<1	<0.50	<0.50	<0.5

NOTE: Lab data is presented in same units as lab analytical results.
*mg/l - milligrams/liter (ppm)
**ug/l - micrograms/liter (ppb)
ND - not detected
n/a - not analyzed
- - not sampled
(1) Total Xylenes
Compound detected above PAL if in **BOLD**
☐ - compound detected above ES

SPIRITLAND STORE UST
GROUNDWATER SAMPLES
ANALYTICAL RESULTS: MW5

Parameter	Enforcement Standard	Preventive Action Limit	7/31/98	10/21/98	4/14/99	6/29/99	9/22/99
GRO (Gasoline Range Organics)	-	-	ND	<50	<15	<15	<15
Lead (ug/l)	15	1.5	**3.1**	**2.07**	<1.4	<1.4	<1.4
VOLATILE ORGANIC COMPOUNDS	(ug/l)	(ug/l)					
Benzene	5	0.5	ND	<0.5	<0.50	<0.50	<0.5
Ethylbenzene	700	140	ND	<1	<0.55	<0.54	<0.55
Methyl - t - Butyl ether	60	12	ND	<1	<0.47	<0.47	<0.47
Naphthalene	40	8	ND	<1	<0.52	NA	<0.52
Toluene	343	68.6	ND	<1	<0.64>	<0.52	<0.52
1,2,4-Trimethylbenzene	480 (1)	96 (1)	ND	<1	<0.52	<0.55	<0.55
1,3,5-Trimethylbenzene	480 (1)	96 (1)	ND	<1	<0.52	<0.52	<0.52
m&p-Xylene	620 (1)	124 (1)	ND	<1	<1.0	<1.0	<1.0
o-Xylene / Styrene	620 (1)	124 (1)	ND	<1	<0.50	<0.50	<0.5

NOTE: Lab data is presented in same units as lab analytical results.
*mg/l - milligrams/liter (ppm)
**ug/l - micrograms/liter (ppb)
ND - not detected
n/a - not analyzed
-- not sampled
(1) Total Xylenes
Compound detected above PAL if in **BOLD**
☐ - compound detected above ES

SPIRITLAND STORE UST
GROUNDWATER SAMPLES
ANALYTICAL RESULTS: MW6

Parameter	Enforcement Standard	Preventive Action Limit	7/31/98	10/21/98	4/14/99	6/29/99	9/22/99
GRO (Gasoline Range Organics)	-	-	ND	<50	<15	<39>	<15
Lead (ug/l)	15	1.5	**4.1**	**8.91**	<4.4>	<4.4>	<1.4
VOLATILE ORGANIC COMPOUNDS	(ug/l)	(ug/l)					
Benzene	5	0.5	ND	<0.5	<0.50	<1.5>	<0.5
Ethylbenzene	700	140	ND	<1	<0.55	<0.54	<0.55
Methyl - t - Butyl ether	60	12	ND	<1	<0.47	<0.47	<0.47
Naphthalene	40	8	ND	<1	1.8	NA	<0.52
Toluene	343	68.6	ND	<1	<0.52	<1.6>	<0.52
1,2,4-Trimethylbenzene	480 (1)	96 (1)	ND	<1	<0.55	<0.55	<0.55
1,3,5-Trimethylbenzene	480 (1)	96 (1)	ND	<1	<0.52	<1.4>	<0.52
m&p-Xylene	620 (1)	124 (1)	ND	<1	<1.0	<1.5>	<1.0
o-Xylene / Styrene	620 (1)	124 (1)	ND	<1	<0.50	<0.50	<0.5

NOTE: Lab data is presented in same units as lab analytical results.
*mg/l - milligrams/liter (ppm)
**ug/l - micrograms/liter (ppb)
ND - not detected
n/a - not analyzed
-- not sampled
(1) Total Xylenes
Compound detected above PAL if in **BOLD**
[ ] - compound detected above ES

SPIRITLAND STORE UST
GROUNDWATER SAMPLES
ANALYTICAL RESULTS: PZ1

Parameter	Enforcement Standard	Preventive Action Limit	7/31/98	10/21/98	4/14/99	6/29/99	9/22/99
GRO (Gasoline Range Organics)	-	-	7,890	11,400	2,500	4,300	8,600
Lead (ug/l)	15	1.5	**22.1**	**17.2**	**5.1**	<1.4	**<3.4>**
VOLATILE ORGANIC COMPOUNDS	(ug/l)	(ug/l)					
Benzene	5	0.5	<25	<10	**<8.0>**	**<16>**	<20
n-Butylbenzene			236	NA	NA	NA	NA
Ethylbenzene	700	140	**380**	**487**	96	130	**490**
Methyl - t - Butyl ether	60	12	<50	<20	<4.7	<4.7	<19
Naphthalene	40	8	**75**	**135**	**<14>**	**<14>**	**130**
Toluene	343	68.6	**576**	**1,340**	51	36	**1400**
1,2,4-Trimethylbenzene	480 (1)	96 (1)	**544**	**736**	<5.5	**270**	**490**
1,3,5-Trimethylbenzene	480 (1)	96 (1)	**247**	**388**	58	**82**	**140**
m&p-Xylene	620 (1)	124 (1)	**1,670**	**1,980**	**290**	**410**	**1600**
o-Xylene / Styrene	620 (1)	124 (1)	**686**	**780**	**64**	**61**	**490**
Total BETX			3337	4597	509	653	4000

NOTE: Lab data is presented in same units as lab analytical results.
*mg/l - milligrams/liter (ppm)
**ug/l - micrograms/liter (ppb)
ND - not detected
n/a - not analyzed
- - not sampled
(1) Total Xylenes
Compound detected above PAL if in **BOLD**
☐ - compound detected above ES

WATER SAMPLING RESULTS - NATURAL ATTENUATION
SPIRITLAND STORE

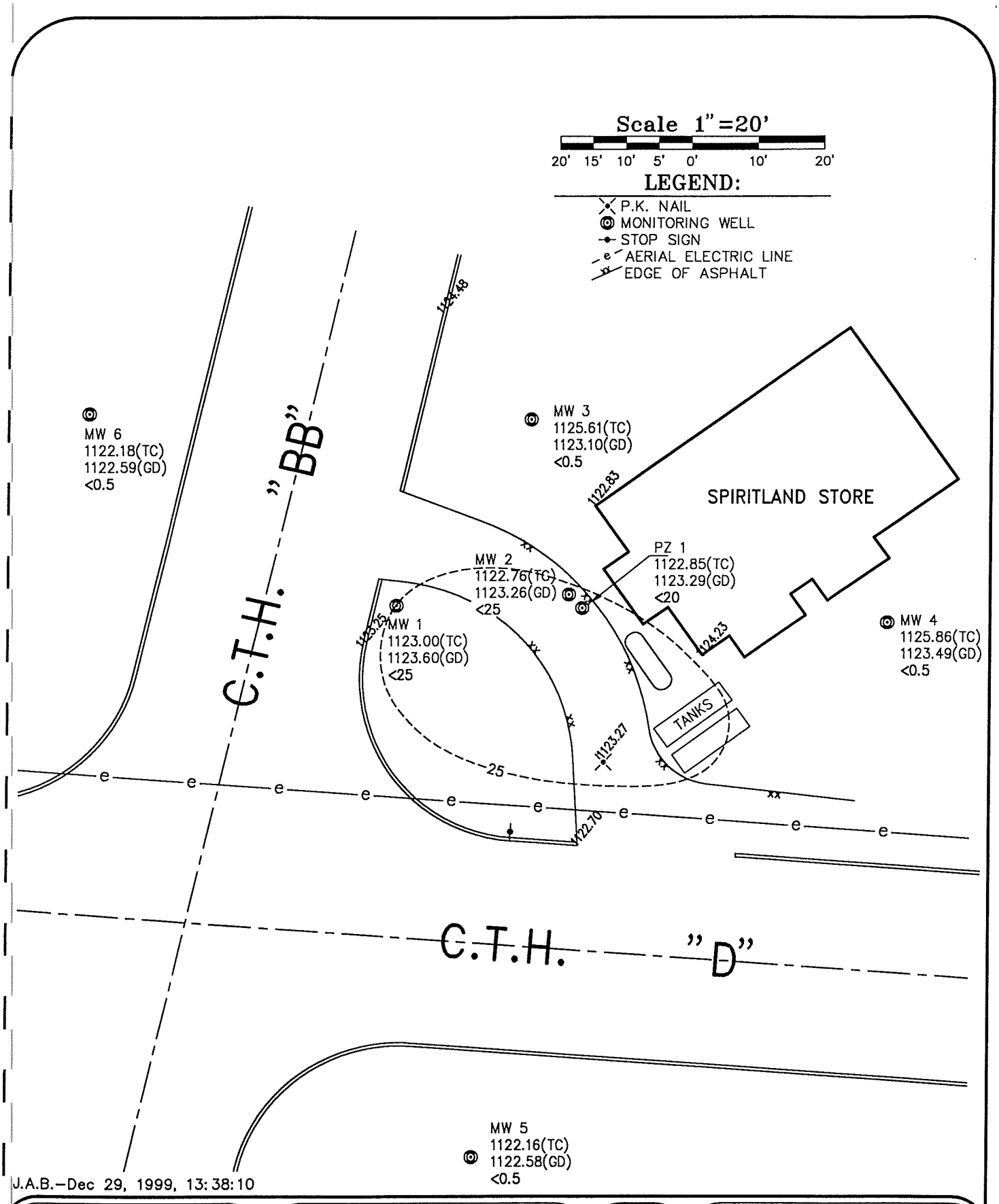
	SAMPLE DATE: April 14, 1999						
	MW - 1	MW - 2	MW - 3	MW - 4	MW - 5	MW - 6	PZ - 1
Parameter							
Dissolved Oxygen (ppm)	0.68	0.65	1.50	10.61	9.63	1.12	1.08
Redox potential	110	145	230	185	185	150	140
pH	7.30	7.42	7.55	7.99	7.40	7.28	7.94
Conductivity	680	750	520	750	630	1260	610
Temperature (C)	10.0	9.8	9.3	9.5	9.5	10.0	9.9

	SAMPLE DATE: June 29, 1999						
	MW - 1	MW - 2	MW - 3	MW - 4	MW - 5	MW - 6	PZ - 1
Parameter							
Dissolved Oxygen (ppm)	3.4	3.52	3.65	10.99	10.8	6.38	5.7
Redox potential	185	165	185	170	175	165	165
pH	7.82	7.73	7.88	7.68	7.70	7.7	7.8
Conductivity	540	560	410	510	560	810	480
Temperature (C)	9.9	9.5	8.9	9	9.3	9.5	9.5

	SAMPLE DATE: September 22, 1999						
	MW - 1	MW - 2	MW - 3	MW - 4	MW - 5	MW - 6	PZ - 1
Parameter							
Dissolved Oxygen (ppm)	1	1.4	7.00	10.38	8.7	8.5	4.1
Redox potential	195	155	160	150	215	195	155
pH	7.62	7.58	7.8	7.69	7.80	7.39	7.7
Conductivity	620	670	480	540	480	1360	620
Temperature (C)	11.9	11.2	10.7	10.8	11.6	11.9	11.3

SECTION 3

CONTAMINANT DISTRIBUTION MAPS



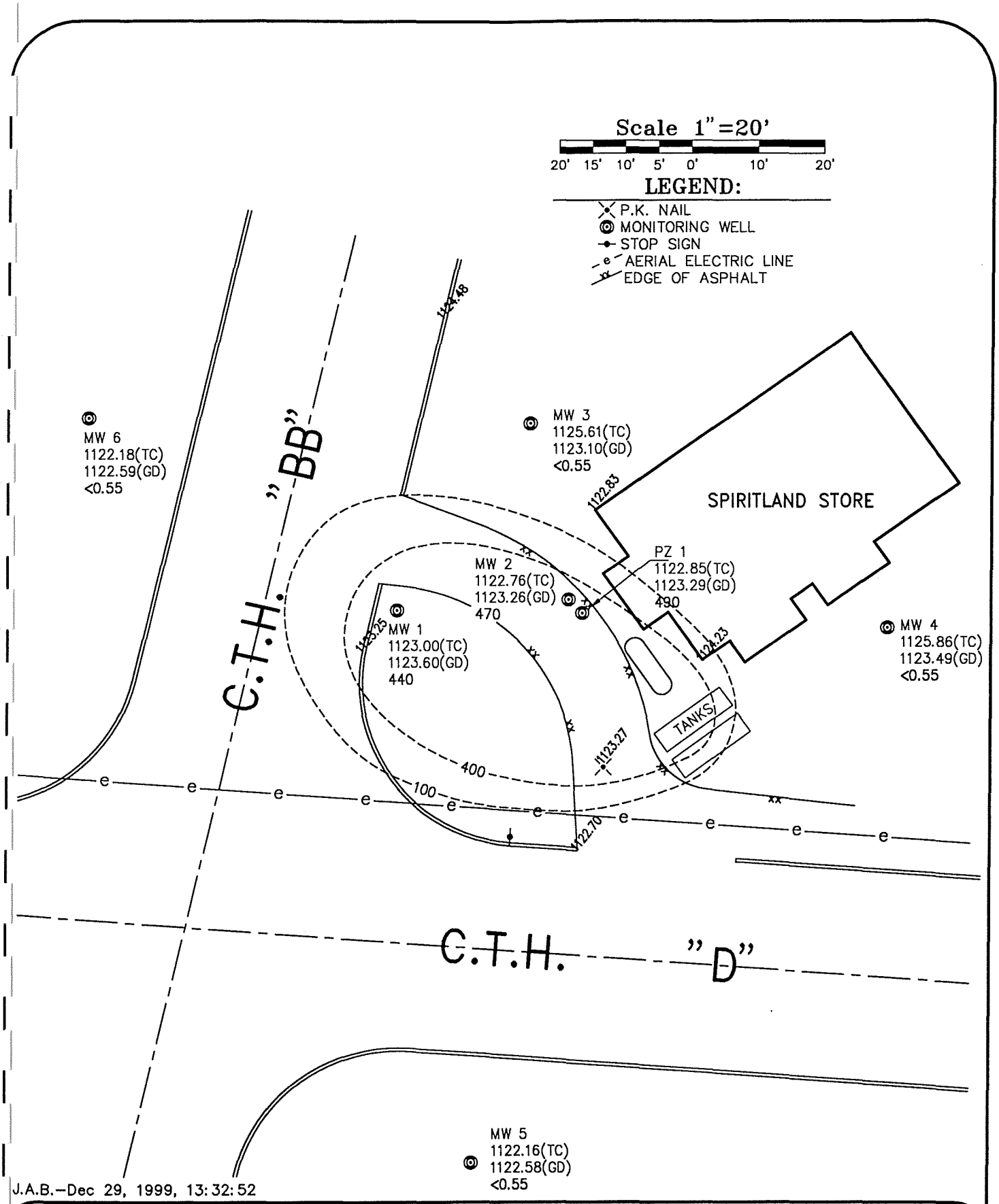
J.A.B.–Dec 29, 1999, 13:38:10

ESP GROUP, INC.
LAMPERT-LEE & ASSOCIATES

SPIRITLAND STORE
BENZENE DISTRIBUTION
MAP 9/22/99

N

DATE:	DEC. 29, 1999
LLA #	98-033
DRAWN BY:	JIM BRASEL
REVIEWED BY:	J. LINDEMANN
DWG. NO.	A-8200-H_BE

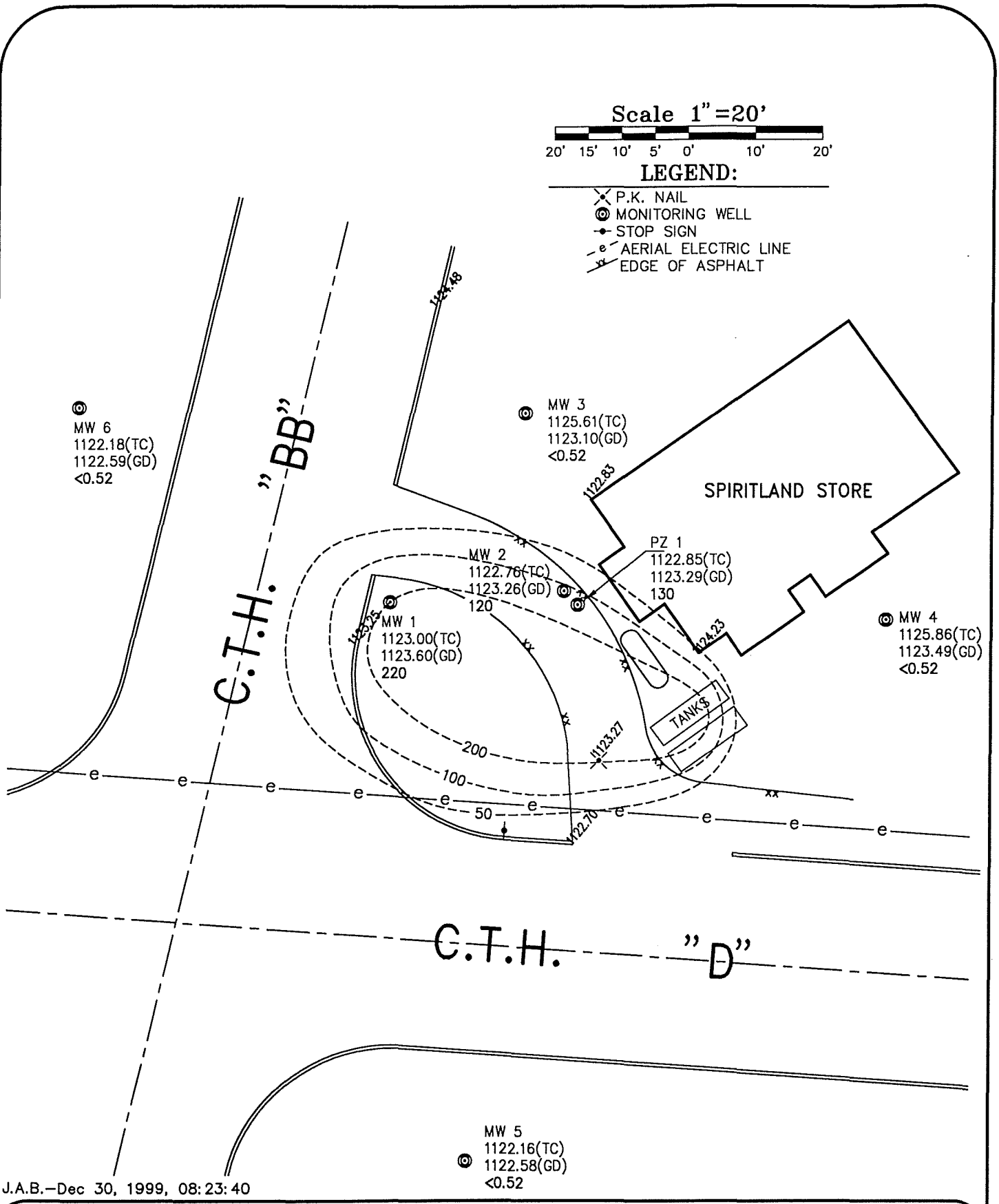


ESP GROUP, INC.
LAMPERT-LEE & ASSOCIATES

SPIRITLAND STORE
ETHYLBENZENE DISTRIBUTION
MAP 9/22/99

N

DATE: DEC. 29, 1999	
LLA # 98-033	
DRAWN BY: JIM BRASEL	
REVIEWED BY: J. LINDEMANN	
DWG. NO. A-8200-H_ET	



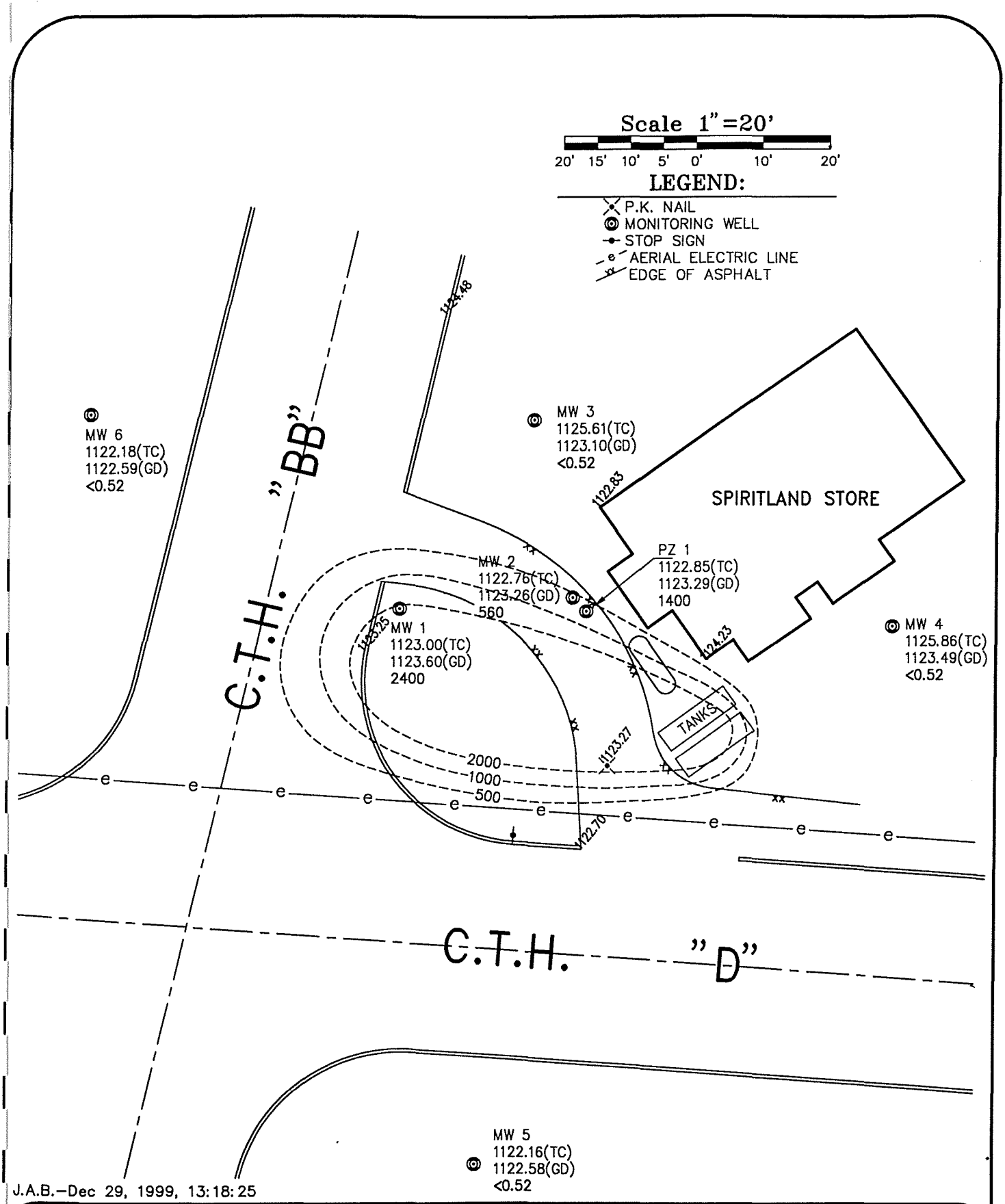
J.A.B.–Dec 30, 1999, 08:23:40

ESP GROUP, INC.
LAMPERT-LEE & ASSOCIATES

SPIRITLAND STORE
NAPHTHALENE DISTRIBUTION
MAP 9/22/99

N

DATE:	DEC. 29, 1999
LLA #	98-033
DRAWN BY:	JIM BRASEL
REVIEWED BY:	J. LINDEMANN
DWG. NO.	A-8200-H_NA

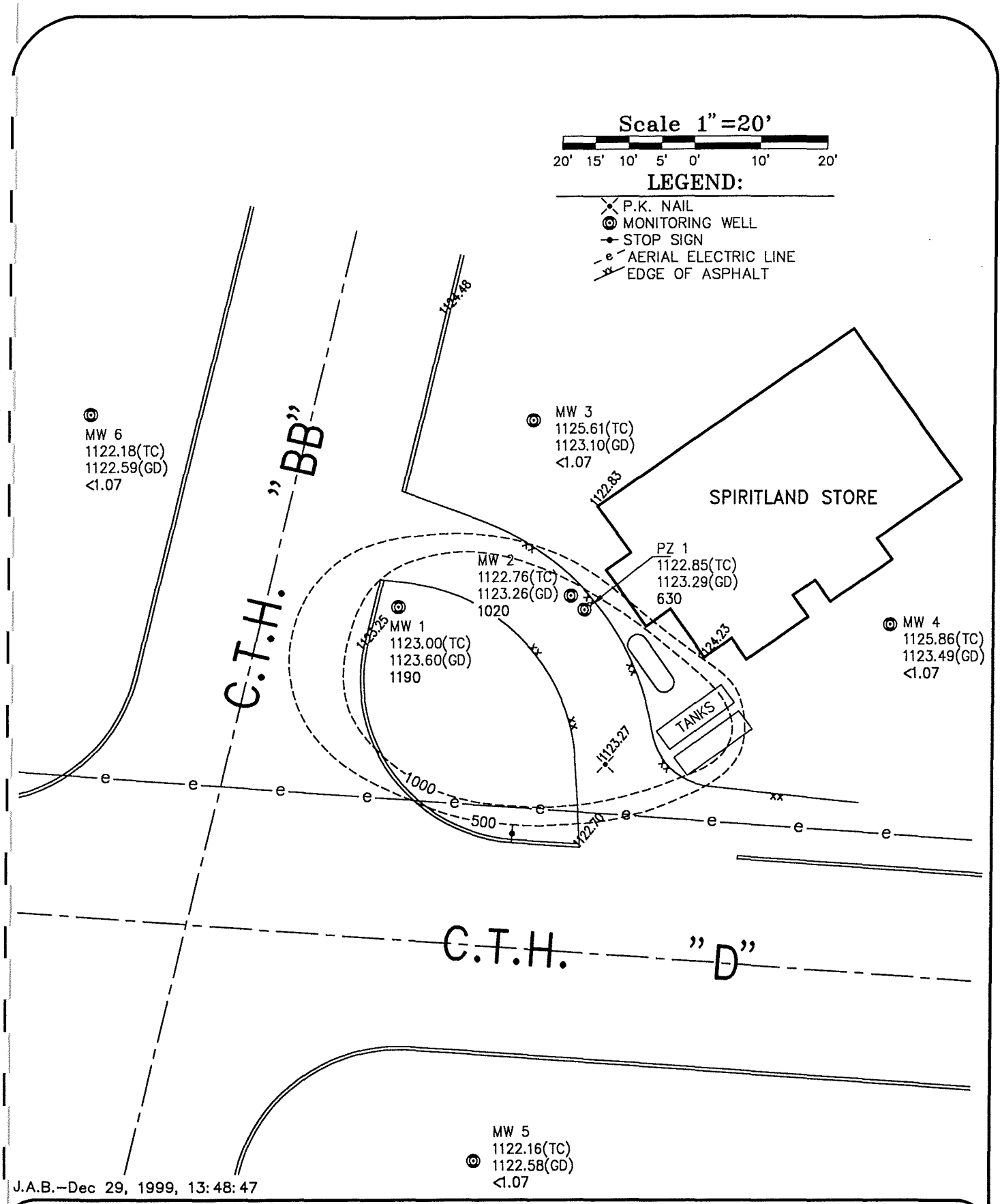


ESP GROUP, INC.
LAMPERT-LEE & ASSOCIATES

SPIRITLAND STORE
TOLUENE DISTRIBUTION
MAP 9/22/99

N

DATE:	DEC. 29, 1999
LLA #	98–033
DRAWN BY:	JIM BRASEL
REVIEWED BY:	J. LINDEMANN
DWG. NO.	A–8200–H_TO



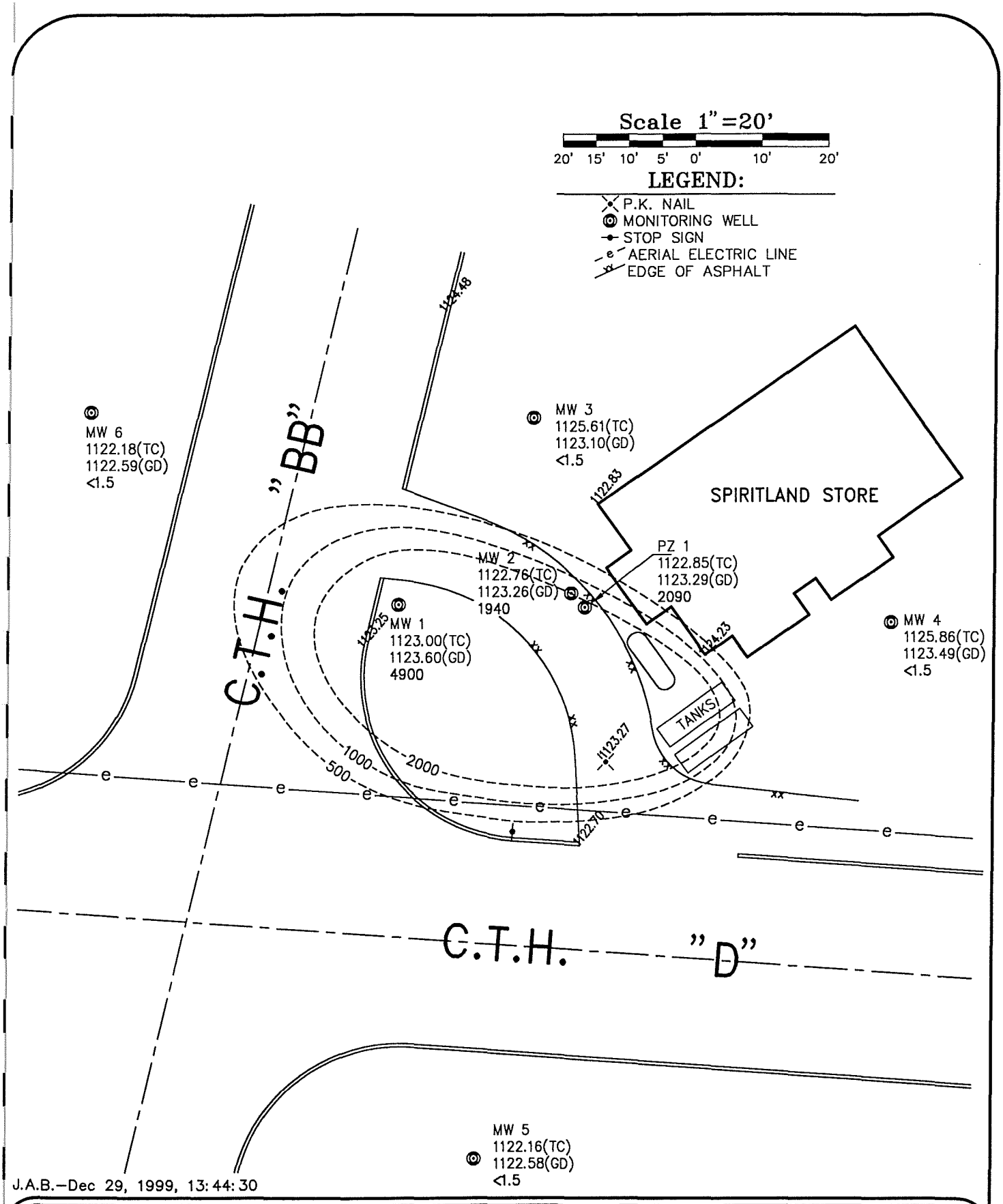
J.A.B.–Dec 29, 1999, 13:48:47

ESP GROUP, INC.
LAMPERT-LEE & ASSOCIATES

SPIRITLAND STORE
TRIMETHYLBENZENE DISTRIBUTION
MAP 9/22/99

N

DATE: DEC. 29, 1999
LLA # 98-033
DRAWN BY: JIM BRASEL
REVIEWED BY: J. LINDEMANN
DWG. NO. A-8200-H_TR



J.A.B.–Dec 29, 1999, 13:44:30

ESP GROUP, INC.
LAMPERT-LEE & ASSOCIATES

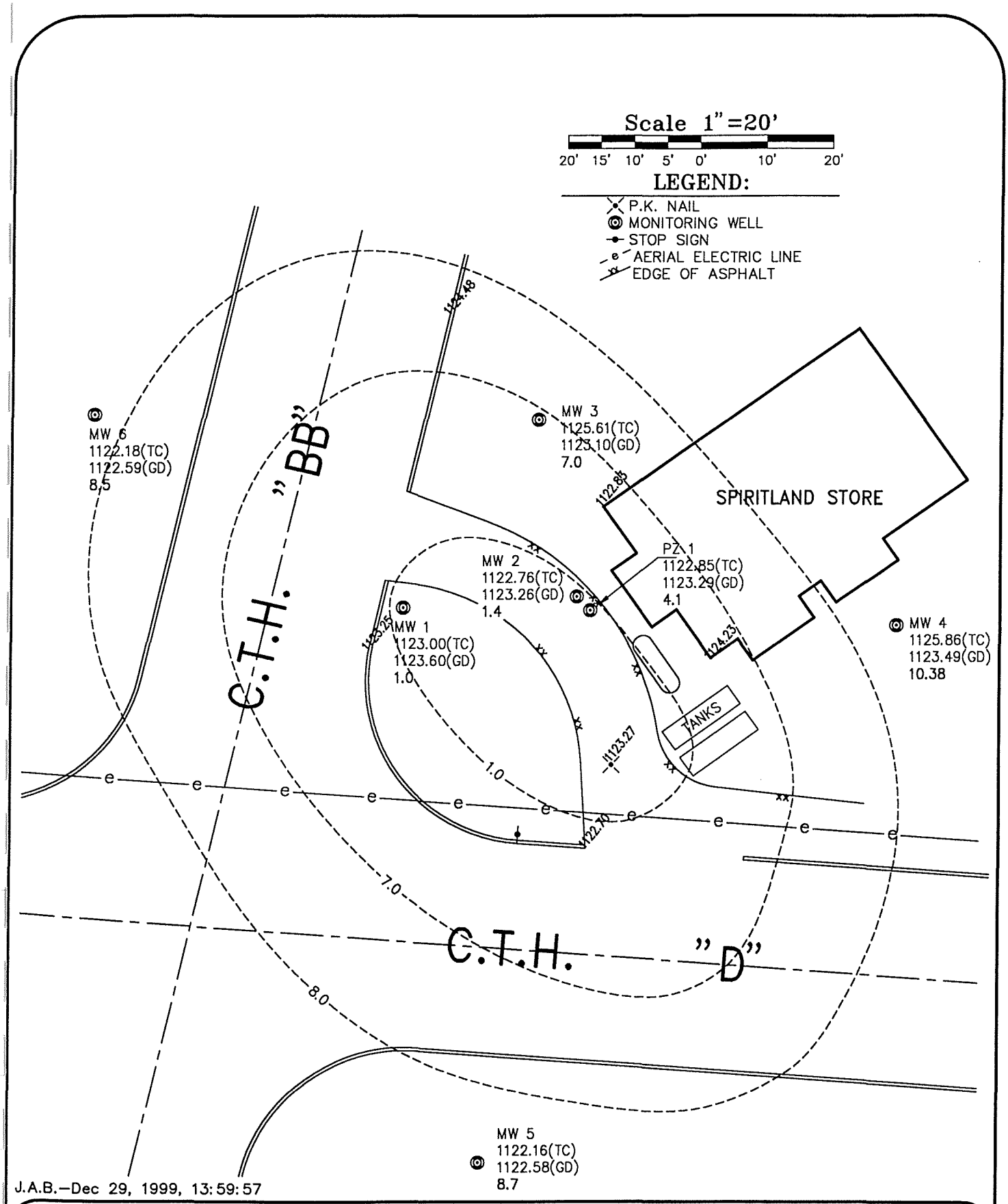
SPIRITLAND STORE
XYLENE DISTRIBUTION
MAP 9/22/99

N

DATE:	DEC. 29, 1999
LLA #	98–033
DRAWN BY:	JIM BRASEL
REVIEWED BY:	J. LINDEMANN
DWG. NO.	A–8200–H_XY

SECTION 4

DISSOLVED OXYGEN DISTRIBUTION MAP



J.A.B.–Dec 29, 1999, 13:59:57

ESP GROUP, INC.
LAMPERT-LEE & ASSOCIATES

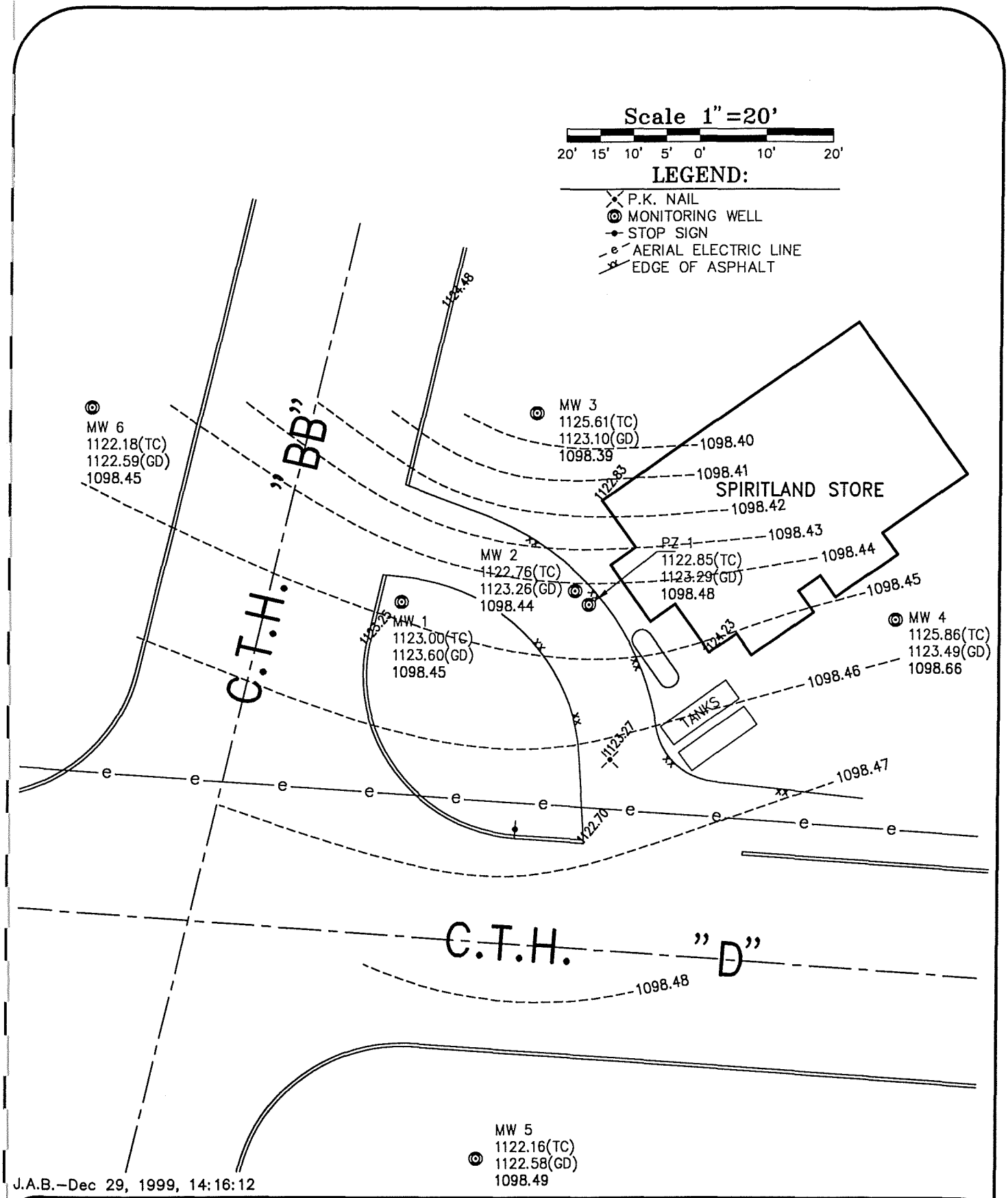
SPIRITLAND STORE
DISSOLVED OXYGEN
DISTRIBUTION MAP 9/22/99

N

DATE:	DEC. 29, 1999
LLA #	98-033
DRAWN BY:	JIM BRASEL
REVIEWED BY:	J. LINDEMANN
DWG. NO.	A-8200-H_OX

SECTION 5

GROUNDWATER CONTOUR MAPS



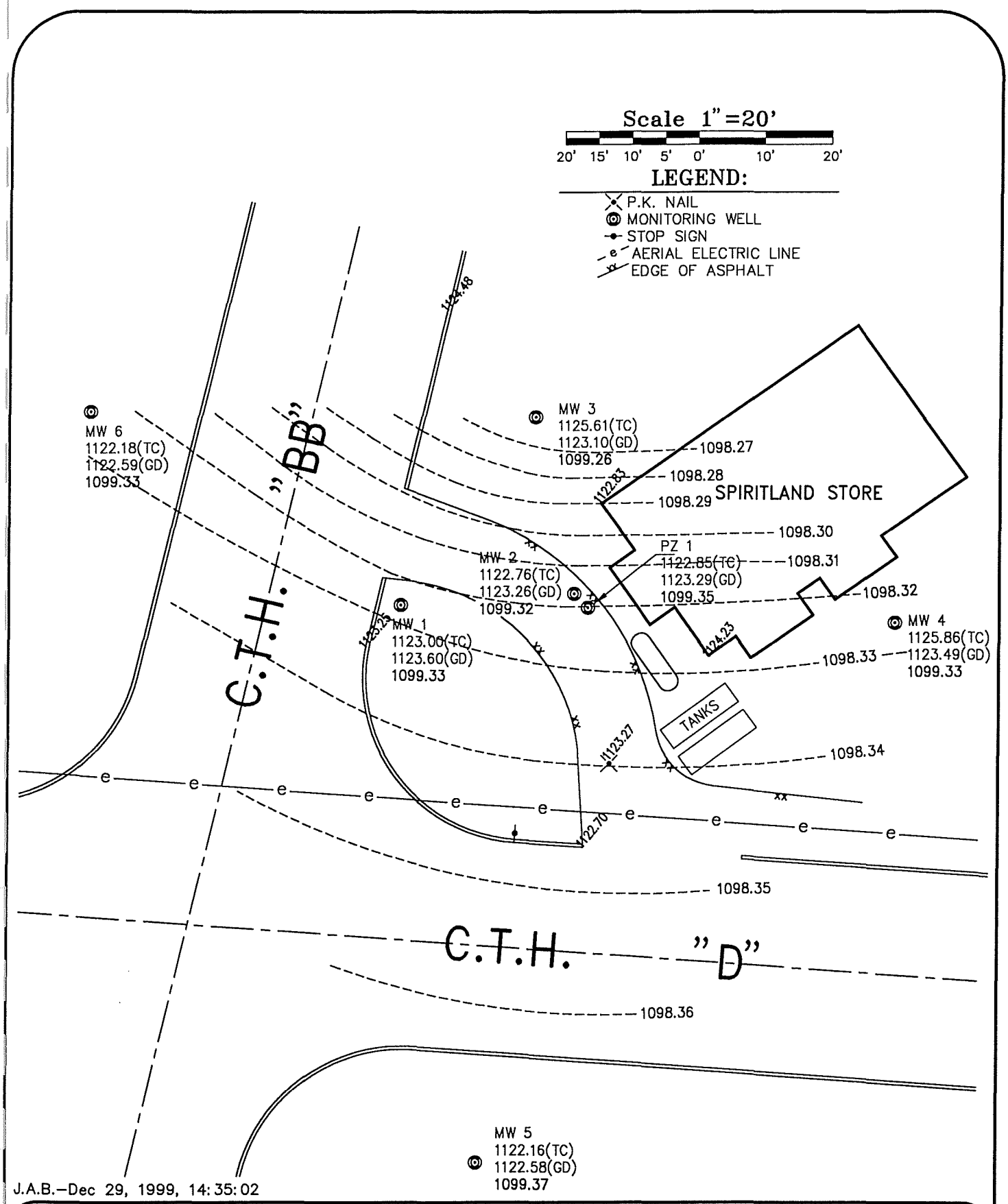
J.A.B.–Dec 29, 1999, 14:16:12

ESP GROUP, INC.
LAMPERT-LEE & ASSOCIATES

SPIRITLAND STORE
GROUNDWATER CONTOUR
MAP 6/29/99

N

DATE: DEC. 29, 1999
LLA # 98-033
DRAWN BY: JIM BRASEL
REVIEWED BY: J. LINDEMANN
DWG. NO. A-8200-H_GW6_99



J.A.B.–Dec 29, 1999, 14:35:02

ESP GROUP, INC.
LAMPERT-LEE & ASSOCIATES

SPIRITLAND STORE
GROUNDWATER CONTOUR
MAP 9/22/99

N

DATE: DEC. 29, 1999
LLA # 98-033
DRAWN BY: JIM BRASEL
REVIEWED BY: J. LINDEMANN
DWG. NO. A-8200-H_GW9_99

SECTION 6

GROUNDWATER ELEVATION TABLE

SPIRITLAND STORE

Groundwater Elevations

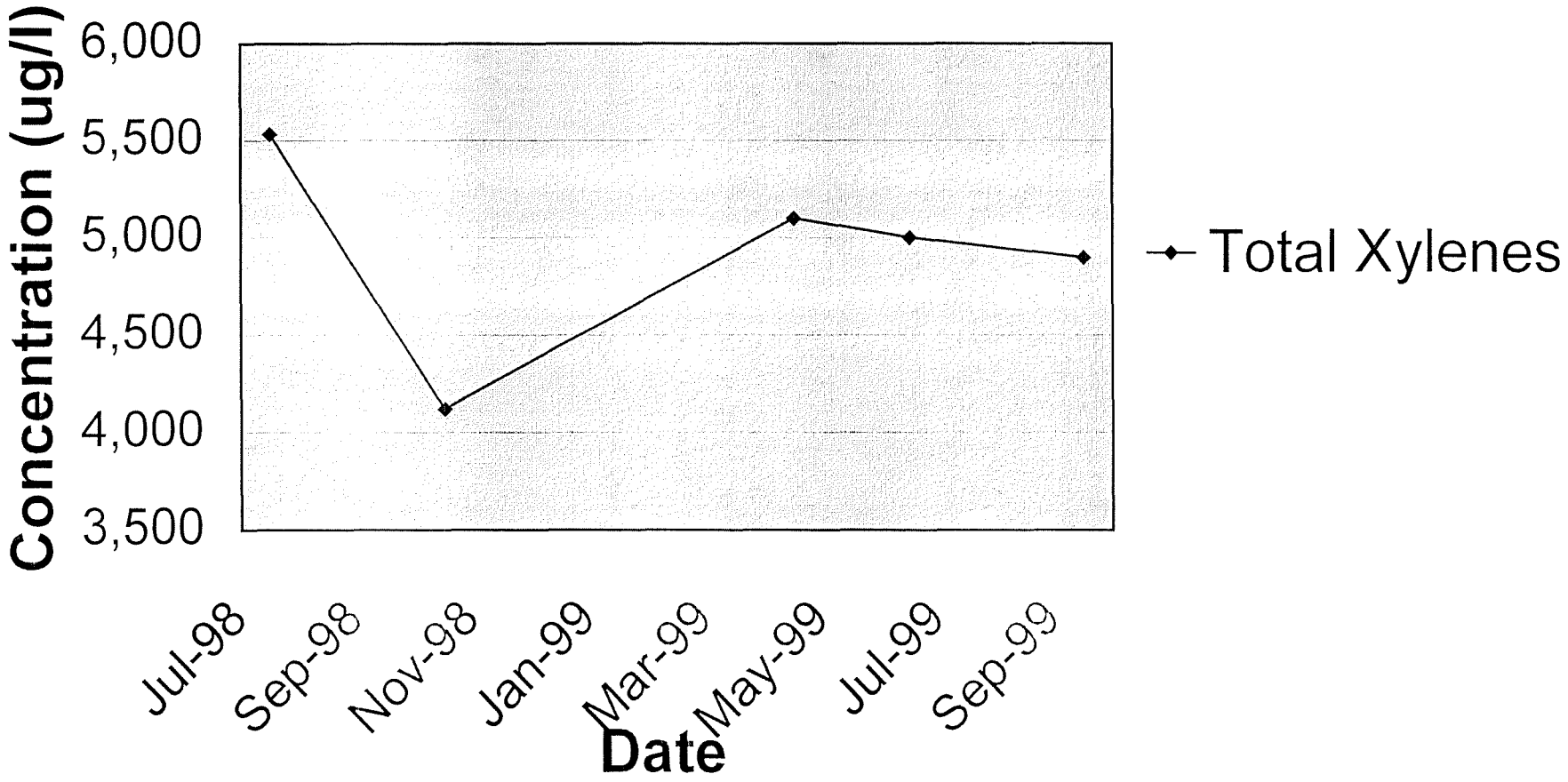
	Date				
	7/31/98	10/21/98	4/14/99	6/29/99	9/22/99
MW1	1099.28	1099.06	1098.49	1098.45	1099.33
MW2	1099.27	1099.06	1098.48	1098.44	1099.32
MW3	1100.21	1099.01	1098.42	1098.39	1099.26
MW4	1099.28	1099.06	1098.49	1098.46	1099.33
MW5	1099.31	1099.10	1098.54	1098.49	1099.37
MW6	1099.27	1099.05	1098.49	1098.45	1099.33
PZ1	1099.30	1099.10	1098.51	1098.48	1099.35

		Depth To Water				
	PVC Ele	7/31/98	10/21/98	4/14/99	6/29/99	9/22/99
MW1	1123	23.72	23.94	24.51	24.55	23.67
MW2	1122.76	23.49	23.7	24.28	24.32	23.44
MW3	1125.61	25.4	26.6	27.19	27.22	26.35
MW4	1125.86	26.58	26.8	27.37	27.4	26.53
MW5	1122.16	22.85	23.06	23.62	23.67	22.79
MW6	1122.18	22.91	23.13	23.69	23.73	22.85
PZ1	1122.85	23.55	23.75	24.34	24.37	23.5

SECTION 7

MW-1 CONCENTRATION GRAPHS

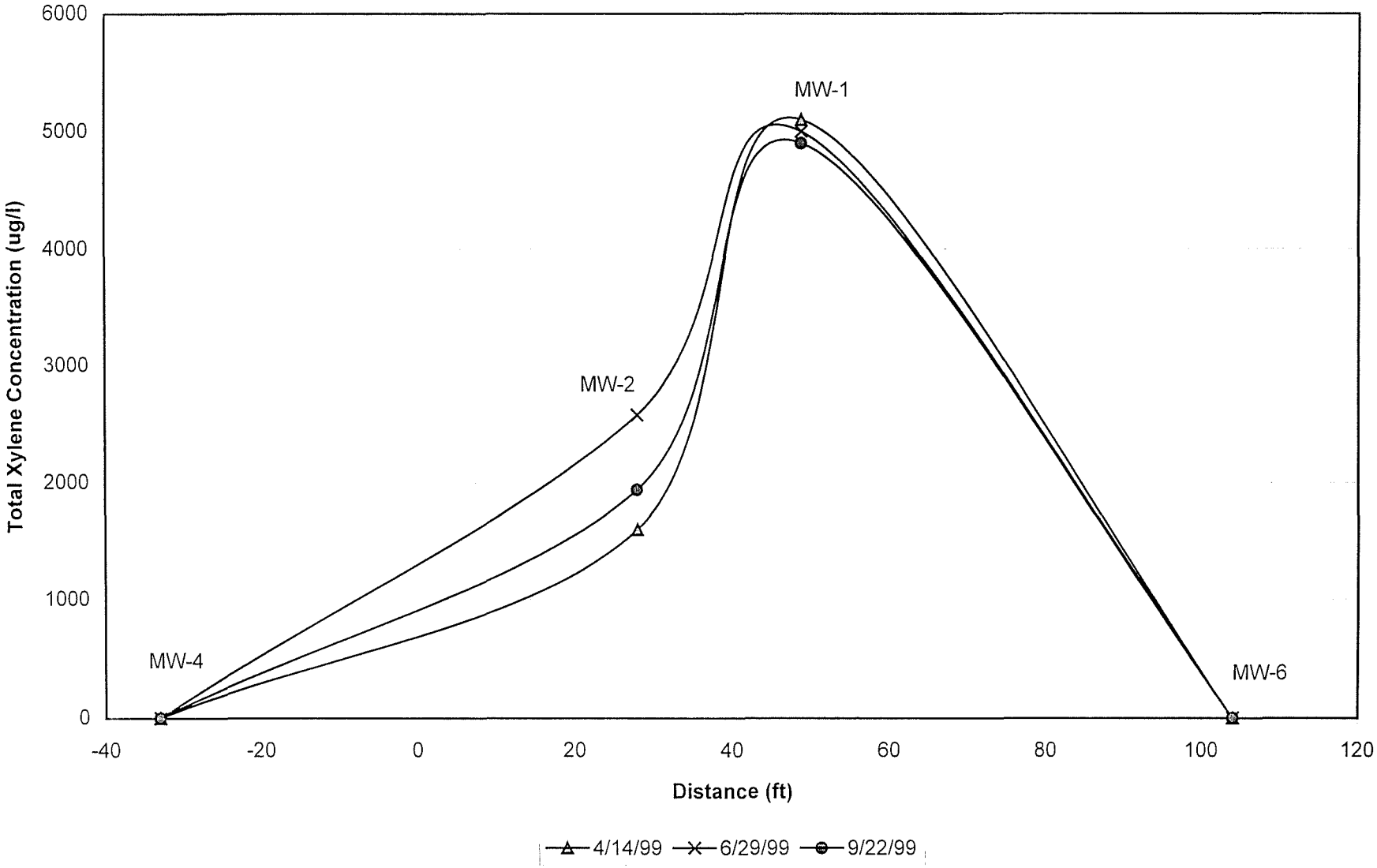
Spiritland Store
Total Xylenes: MW-1



SECTION 8

CONTAMINANT CONCENTRATION VERSUS DISTANCE

Total Xylene Concentrations versus Distance from the Source



SECTION 9

GEOLOGIC CROSS SECTION

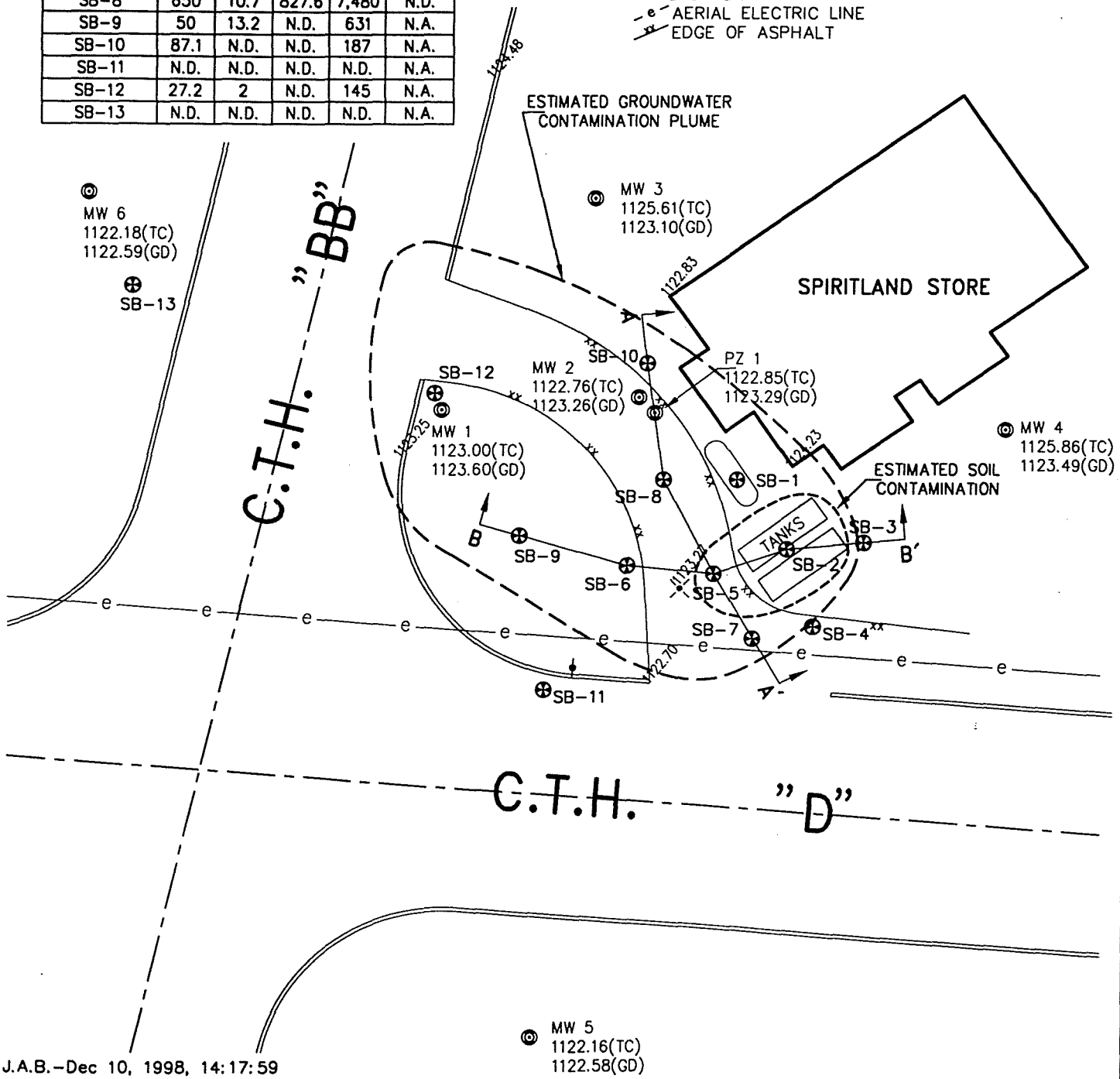
SOIL BORING NUMBER	WATER Pb	WATER Nap	WATER Xyl	WATER GRO	SOIL GRO(S)
SB-1	2,030	N.D.	716	12,000	N.D.
SB-2, 10-12	330	N.D.	N.D.	6,530	503
SB-3, 12-14	N.D.	N.D.	N.D.	N.D.	24.5
SB-4	N.D.	N.D.	N.D.	N.A.	N.D.
SB-5, 13-15	330	N.D.	N.D.	N.A.	632
SB-6	365	102	2,637	18,200	N.D.
SB-7	17.9	N.D.	N.D.	178	N.D.
SB-8	650	10.7	827.6	7,480	N.D.
SB-9	50	13.2	N.D.	631	N.A.
SB-10	87.1	N.D.	N.D.	187	N.A.
SB-11	N.D.	N.D.	N.D.	N.D.	N.A.
SB-12	27.2	2	N.D.	145	N.A.
SB-13	N.D.	N.D.	N.D.	N.D.	N.A.

Scale 1"=20'

20' 15' 10' 5' 0' 10' 20'

LEGEND:

- P.K. NAIL
- MONITORING WELL
- STOP SIGN
- AERIAL ELECTRIC LINE
- EDGE OF ASPHALT



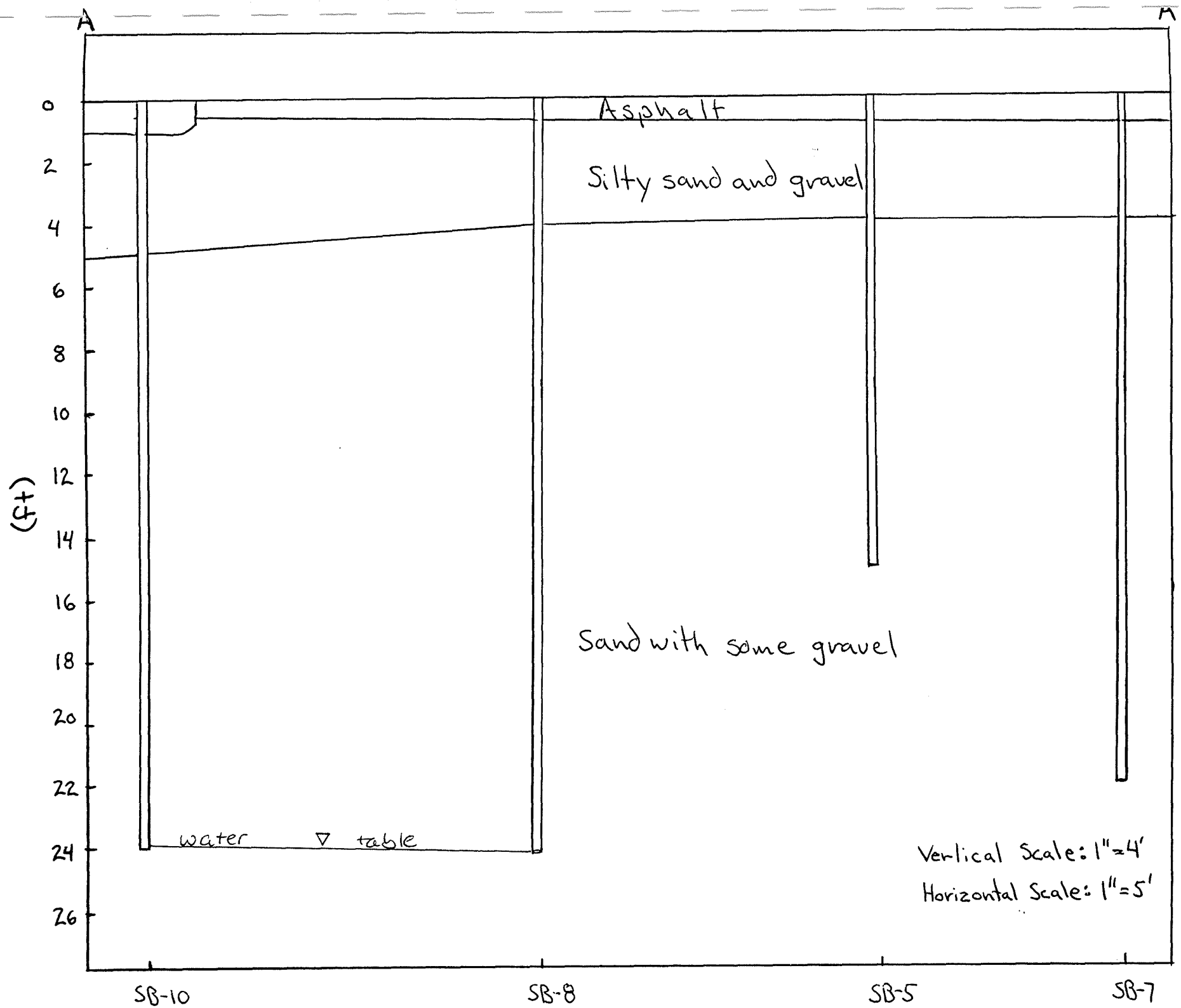
J.A.B.-Dec 10, 1998, 14:17:59

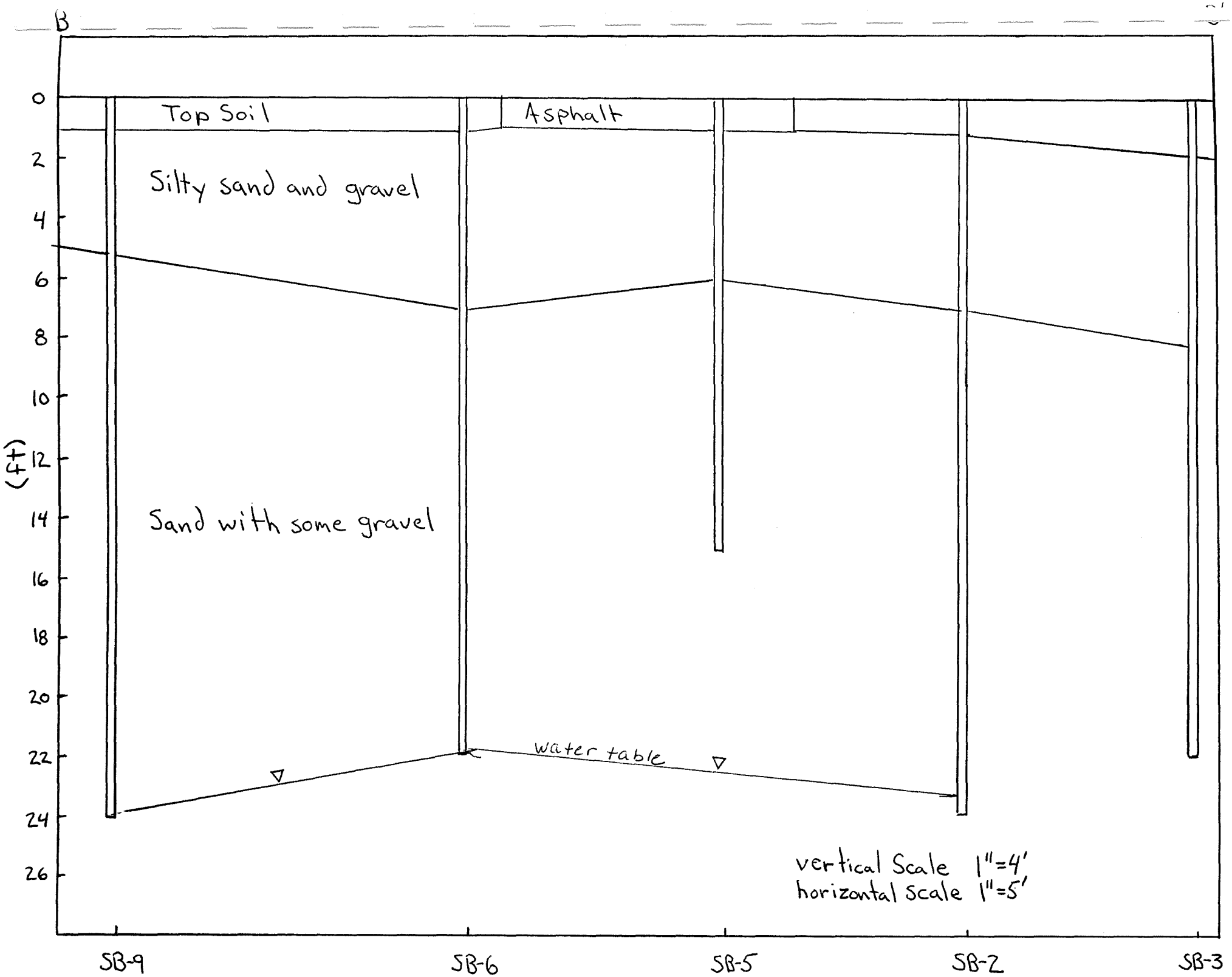
ESP GROUP, INC.
LAMPERT-LEE & ASSOCIATES

SPIRITLAND STORE
GEOLOGIC CROSS SECTION

N

DATE: DEC. 10, 1998
LLA # 98-033
DRAWN BY: JIM BRASEL
REVIEWED BY: J. LINDEMANN
DWG. NO. A-8200-G


A
A'
0
2
4
6
8
10
12
14
16
18
20
22
24
26
(ft)
Asphalt
Silty sand and gravel
Sand with some gravel
water table
Vertical Scale: 1"=4'
Horizontal Scale: 1"=5'
SB-10
SB-8
SB-5
SB-7


B
0
2
4
6
8
10
12
14
16
18
20
22
24
26
(ft)
Top Soil
Asphalt
Silty sand and gravel
Sand with some gravel
water table
vertical Scale 1"=4'
horizontal scale 1"=5'
SB-9
SB-6
SB-5
SB-2
SB-3

SECTION 10

SOIL ANALYTICAL DATA SUMMARY TABLES

SOIL SAMPLING RESULTS
SPIRITLAND

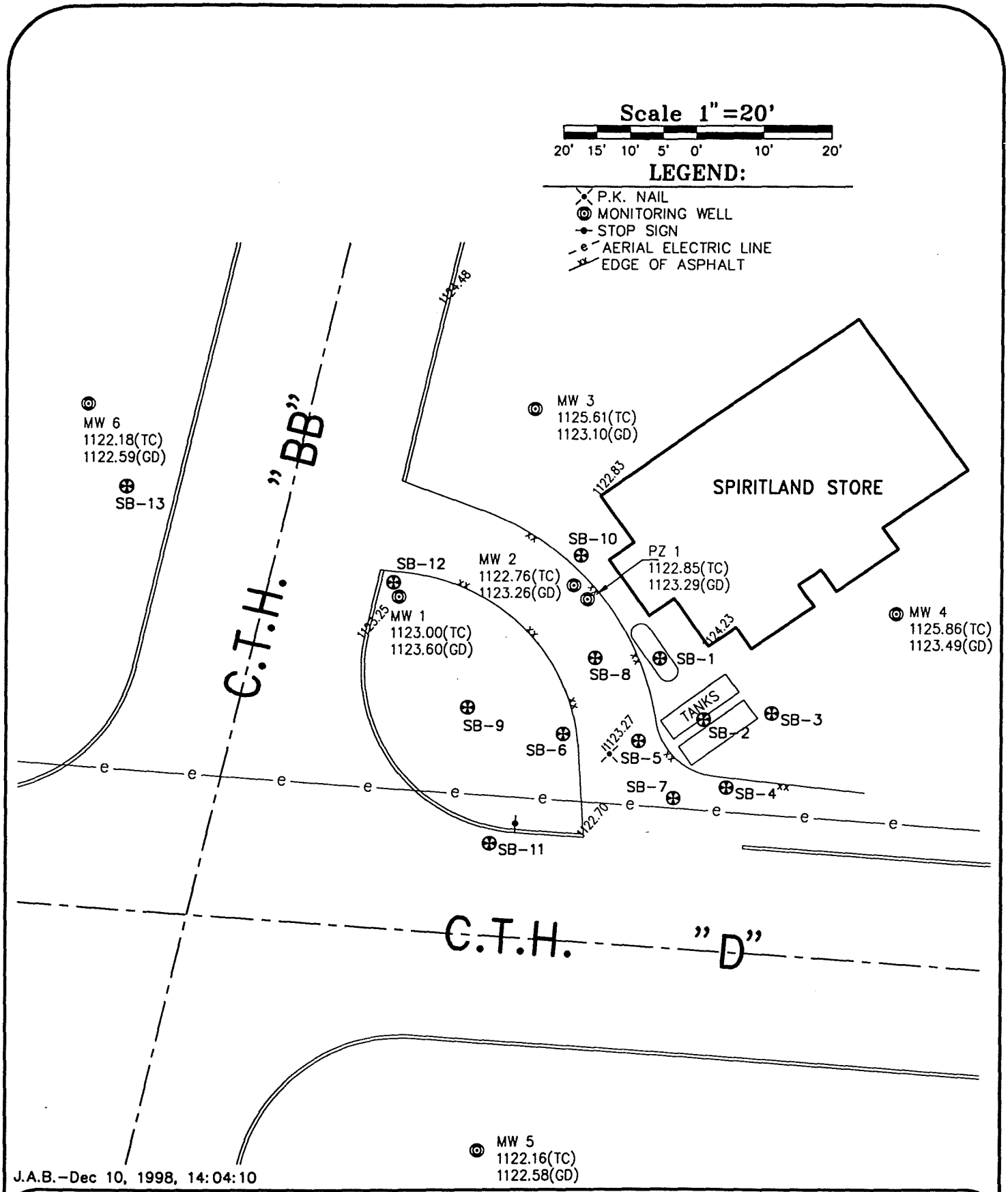
	Residual Contaminant LEVEL	SAMPLE DATE : April 17, 1998					
Soil Boring Location		SB-1	SB-1	SB-2	SB-2	SB-3	SB-3
Sample Depth Below Surface		12' - 14'	20' - 22'	10' - 12'	18' -20'	12' - 14'	20' - 22'
Analyte Parameter	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Lead	-	**1.5**	**3.3**	**9.77**	**3.43**	**2.75**	**0.818**
GRO	100	ND	ND	**503**	**181**	**24.5**	ND
	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	5.5	<26	<26	<209	<28	<26	<26
Bromobenzene	-	<26	<26	<209	<28	<26	<26
Bromochloromethane	-	<26	<26	<209	<28	<26	<26
Bromodichloromethane	-	<26	<26	<209	<28	<26	<26
Bromoform	-	<26	<26	<209	<28	<26	<26
Bromomethane	-	<26	<26	<209	<28	<26	<26
n-Butylbenzene	-	<26	<26	**7973**	**941**	**80**	<26
sec-Butylbenzene	-	<26	<26	**2789**	**600**	**59**	<26
tert-Butylbenzene	-	<26	<26	<209	<28	**46**	<26
Carbon Tetrachloride	-	<26	<26	<209	<28	<26	<26
Chlorobenzene	-	<26	<26	<209	<28	<26	<26
Dibromochloromethane	-	<26	<26	<209	<28	<26	<26
Chloroethane	-	<26	<26	<209	<28	<26	<26
Chloroform	-	<26	<26	<209	<28	<26	<26
Chloromethane	-	<26	<26	<209	<28	<26	<26
2-Chlorotoluene	-	<26	<26	<209	<28	<26	<26
4-Chlorotoluene	-	<26	<26	<209	<28	<26	<26
1,2-Dibromo-3-chloropropane	-	<26	<26	<209	<28	<26	<26
1,2 Dibromoethane	-	<26	<26	<209	<28	<26	<26
Dibromomethane	-	<26	<26	<209	<28	<26	<26
1,2-Dichlorobenzene	-	<26	<26	<209	<28	<26	<26
1,3-Dichlorobenzene	-	<26	<26	<209	<28	<26	<26
1,4-Dichlorobenzene	-	<26	<26	<209	<28	<26	<26
Dichlorodifluoromethane	-	<26	<26	<209	<28	<26	<26
1,1-Dichloroethane	-	<26	<26	<209	<28	<26	<26
1,2 Dichloroethane	-	<26	<26	<209	<28	<26	<26
1,1 - Dichloroethene	-	<26	<26	<209	<28	<26	<26
cis-1,2- Dichloroethene	-	<26	<26	<209	<28	<26	<26
trans -1, 2-Dichloroethene	-	<26	<26	<209	<28	<26	<26
1,2-Dichloropropane	-	<26	<26	<209	<28	<26	<26
1,3-Dichloropropane	-	<26	<26	<209	<28	<26	<26
2,2 Dichloropropane	-	<26	<26	<209	<28	<26	<26
1,1 - Dichloropropene	-	<26	<26	<209	<28	<26	<26
Di-isopropyl ether	-	<26	<26	<209	<28	<26	<26
Ethylbenzene	2900	<26	<26	**351**	**30**	<26	<26
Hexachlorobutadiene	-	<26	<26	<209	<28	<26	<26
Isopropylbenzene	-	<26	<26	**782**	**95**	<26	<26
p-Isopropyltoluene	-	<26	<26	**2222**	<28	**85**	<26
Methylene Chloride	-	**70**	<26	**622**	**86**	<26	**86**
Methyl - t - Butyl ether	-	<26	<26	<209	<28	<26	<26
Naphthalene	-	<26	<26	**9527**	**3917**	**65**	<26
n-Propylbenzene	-	<26	<26	**2719**	**449**	**65**	<26
1,1,1,2-Tetrachloroethane	-	<26	<26	<209	<28	<26	<26
1,1,2,2-Tetrachloroethane	-	<26	<26	<209	<28	<26	<26
Tetrachloroethene	-	<26	<26	<209	<28	<26	<26
Toluene	1500	<26	<26	<209	<28	<26	<26
1,2,3-Trichlorobenzene	-	<26	<26	<209	<28	<26	<26
1,2,4-Trichlorobenzene	-	<26	<26	<209	**741**	<26	<26
1,1,1-Trichloroethane	-	<26	<26	<209	<28	<26	<26
1,1,2-Trichloroethane	-	<26	<26	<209	<28	<26	<26
Trichloroethene	-	<26	<26	<209	<28	<26	<26
Trichlorofluoromethane	-	<26	<26	<209	<28	<26	<26
1,2,3-Trichloropropane	-	<26	<26	<209	<28	<26	<26
1,2,4-Trimethylbenzene	-	<26	<26	**5515**	<28	**28**	<26
1,3,5-Trimethylbenzene	-	<26	<26	**9164**	**1192**	**39**	<26
Vinyl chloride	-	<26	<26	<209	<28	<26	<26
Isopropyl Ether	-	<26	<26	<209	<28	<26	<26
m&p-Xylene	(Total Xylene) 4100	<26	<26	**214**	<28	**31**	<26
o-Xylene & Styrene	(Total Xylene) 4100	<26	<26	**301**	**35**	<26	<26

SOIL SAMPLING RESULTS
SPIRITLAND

	Residual Contaminant LEVEL	SAMPLE DATE : April 17, 1998			
Soil Boring Location		SB-4	SB-4	SB-5	SB-6
Sample Depth Below Surface		12' - 14'	18' - 20'	13' - 15'	18' - 20'
ANALYTE PARAMETER	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Lead		**0.723**	**1.37**	**6.67**	**1.84**
GRO	100	ND	ND	**632**	ND
	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	5.5	<26	<26	<1259	<25
Bromobenzene		<26	<26	<1259	<25
Bromochloromethane		<26	<26	<1259	<25
Bromodichloromethane		<26	<26	<1259	<25
Bromoform		<26	<26	<1259	<25
Bromomethane		<26	<26	<1259	<25
n-Butylbenzene		<26	<26	**7922**	<25
sec-Butylbenzene		<26	<26	**1961**	<25
tert-Butylbenzene		<26	<26	<1259	<25
Carbon Tetrachloride		<26	<26	<1259	<25
Chlorobenzene		<26	<26	<1259	<25
Dibromochloromethane		<26	<26	<1259	<25
Chloroethane		<26	<26	<1259	<25
Chloroform		<26	<26	<1259	<25
Chloromethane		<26	<26	<1259	<25
2-Chlorotoluene		<26	<26	<1259	<25
4-Chlorotoluene		<26	<26	<1259	<25
1,2-Dibromo-3-chloropropane		<26	<26	<1259	<25
1,2 Dibromoethane		<26	<26	<1259	<25
Dibromomethane		<26	<26	<1259	<25
1,2-Dichlorobenzene		<26	<26	<1259	<25
1,3-Dichlorobenzene		<26	<26	<1259	<25
1,4-Dichlorobenzene		<26	<26	<1259	<25
Dichlorodifluoromethane		<26	<26	<1259	<25
1,1-Dichloroethane		<26	<26	<1259	<25
1,2 Dichloroethane		<26	<26	<1259	<25
1,1 - Dichloroethene		<26	<26	<1259	<25
cis-1,2- Dichloroethene		<26	<26	<1259	<25
trans -1, 2-Dichloroethene		<26	<26	<1259	<25
1,2-Dichloropropane		<26	<26	<1259	<25
1,3-Dichloropropane		<26	<26	<1259	<25
2,2 Dichloropropane		<26	<26	<1259	<25
1,1 - Dichloropropene		<26	<26	<1259	<25
Di-isopropyl ether		<26	<26	<1259	<25
Ethylbenzene	2900	<26	<26	<1259	<25
Hexachlorobutadiene		<26	<26	<1259	<25
Isopropylbenzene		<26	<26	<1259	<25
p-Isopropyltoluene		<26	<26	**1704**	<25
Methylene Chloride		<26	<26	<1259	<25
Methyl - t - Butyl ether		<26	<26	<1259	<25
Naphthalene		<26	<26	**13777**	**141**
n-Propylbenzene		<26	<26	**1625**	<25
1,1,1,2-Tetrachloroethane		<26	<26	<1259	<25
1,1,2,2-Tetrachloroethane		<26	<26	<1259	<25
Tetrachloroethene		<26	<26	<1259	<25
Toluene	1500	<26	<26	<1259	<25
1,2,3-Trichlorobenzene		<26	<26	<1259	<25
1,2,4-Trichlorobenzene		<26	<26	<1259	<25
1,1,1-Trichloroethane		<26	<26	<1259	<25
1,1,2-Trichloroethane		<26	<26	<1259	<25
Trichloroethene		<26	<26	<1259	<25
Trichlorofluoromethane		<26	<26	<1259	<25
1,2,3-Trichloropropane		<26	<26	<1259	<25
1,2,4-Trimethylbenzene		<26	<26	**3665**	<25
1,3,5-Trimethylbenzene		<26	<26	**7110**	<25
Vinyl chloride		<26	<26	<1259	<25
Isopropyl Ether		<26	<26	<1259	<25
m&p-Xylene	(Total Xylene) 4100	<26	<26	<1259	<25
o-Xylene & Styrene	(Total Xylene) 4100	<26	<26	<1259	<25

SOIL SAMPLING RESULTS
SPIRITLAND

	Residual Contaminant LEVEL	SAMPLE DATE: APRIL 23, 1998		
Soil Boring Location		SB-7	SB-7	SB-8
Sample Depth Below Surface		18' - 20'	20' - 22'	20' - 22'
ANALYTE PARAMETER	mg/kg	mg/kg	mg/kg	mg/kg
Lead		**1.29**	**1.49**	**1.15**
GRO	100	ND	ND	ND
	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	5.5	<26	<26	<26
Bromobenzene	-	<26	<26	<26
Bromochloromethane	-	<26	<26	<26
Bromodichloromethane	-	<26	<26	<26
Bromoform	-	<26	<26	<26
Bromomethane	-	<26	<26	<26
n-Butylbenzene	-	<26	<26	<26
sec-Butylbenzene	-	<26	<26	<26
tert-Butylbenzene	-	<26	<26	<26
Carbon Tetrachloride	-	<26	<26	<26
Chlorobenzene	-	<26	<26	<26
Dibromochloromethane	-	<26	<26	<26
Chloroethane	-	<26	<26	<26
Chloroform	-	<26	<26	<26
Chloromethane	-	<26	<26	<26
2-Chlorotoluene	-	<26	<26	<26
4-Chlorotoluene	-	<26	<26	<26
1,2-Dibromo-3-chloropropane	-	<26	<26	<26
1,2 Dibromoethane	-	<26	<26	<26
Dibromomethane	-	<26	<26	<26
1,2-Dichlorobenzene	-	<26	<26	<26
1,3-Dichlorobenzene	-	<26	<26	<26
1,4-Dichlorobenzene	-	<26	<26	<26
Dichlorodifluoromethane	-	<26	<26	<26
1,1-Dichloroethane	-	<26	<26	<26
1,2 Dichloroethane	-	<26	<26	<26
1,1 - Dichloroethene	-	<26	<26	<26
cis-1,2- Dichloroethene	-	<26	<26	<26
trans -1, 2-Dichloroethene	-	<26	<26	<26
1,2-Dichloropropane	-	<26	<26	<26
1,3-Dichloropropane	-	<26	<26	<26
2,2 Dichloropropane	-	<26	<26	<26
1,1 - Dichloropropene	-	<26	<26	<26
Di-isopropyl ether	-	<26	<26	<26
Ethylbenzene	2900	<26	<26	<26
Hexachlorobutadiene	-	<26	<26	<26
Isopropylbenzene	-	<26	<26	<26
p-Isopropyltoluene	-	<26	<26	<26
Methylene Chloride	-	<26	<26	<26
Methyl - t - Butyl ether	-	<26	<26	<26
Naphthalene	-	<26	<26	<26
n-Propylbenzene	-	<26	<26	<26
1,1,1,2-Tetrachloroethane	-	<26	<26	<26
1,1,2,2-Tetrachloroethane	-	<26	<26	<26
Tetrachloroethene	-	<26	<26	<26
Toluene	1500	<26	<26	<26
1,2,3-Trichlorobenzene	-	<26	<26	<26
1,2,4-Trichlorobenzene	-	<26	<26	<26
1,1,1-Trichloroethane	-	<26	<26	<26
1,1,2-Trichloroethane	-	<26	<26	<26
Trichloroethene	-	<26	<26	<26
Trichlorofluoromethane	-	<26	<26	<26
1,2,3-Trichloropropane	-	<26	<26	<26
1,2,4-Trimethylbenzene	-	<26	<26	<26
1,3,5-Trimethylbenzene	-	<26	<26	<26
Vinyl chloride	-	<26	<26	<26
Isopropyl Ether	-	<26	<26	<26
m&p-Xylene	(Total Xylene) 4100	<26	<26	<26
o-Xylene & Styrene	(Total Xylene) 4100	<26	<26	<26



J.A.B.–Dec 10, 1998, 14:04:10

ESP GROUP, INC.
LAMPERT-LEE & ASSOCIATES

SPIRITLAND STORE
MONITORING WELL &
SOIL BORING LOCATION MAP

N

DATE: DEC. 10, 1998
LLA # 98-033
DRAWN BY: JIM BRASEL
REVIEWED BY: J. LINDEMANN
DWG. NO. A-8200-E