ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, #250
Alameda, CA 94502-6577
(510) 567-6700 FAX (510) 337-9335

September 11, 1996

Mr. Ralph Hill
2522 Tamalpais Avenue
El Cerrito, California 94530

RE: Case Closure - Former Hill Lumber Company
1259 Brighton Avenue, Albany, California 94706
STID # 3676

Dear Mr. Hill:

The Alameda County Department of Environmental Health, Environmental Protection Division has recently received concurrence from the Regional Water Quality Control Board regarding this office determination that no further action is required concerning the removal of two underground storage tanks (1,000 gallon gasoline and 500 gallon gasoline) at the above referenced site.

Please be advised that the four groundwater monitoring wells (MW-1, MW-2, MW-3 and MW-4) at the site must be properly decommissioned before our agency will issue the **Remedial Action Completion Certification** (closure letter) for the subject site. A report must be submitted documenting the abandonment of the monitoring wells.

Additionally, you will need to notify this office 72 hours in advance of the well abandonment field activities.

If you have any questions concerning this letter, please contact me at (510) 567- 6780.

Sincerely,

Susan L. Hugo
Senior Hazardous Materials Specialist

c: Mee Ling Tung, Director, Environmental Health
Gordon Coleman, Acting Chief, Environmental Protection / files
Kevin Graves, San Francisco Bay RWQCB
Frank Goldman / Rafael Gallardo, Geosolv, Inc.
643 Oregon Street, Sonoma, California 95476

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION (LOP)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

October 22, 1996

REMEDIAL ACTION COMPLETION CERTIFICATION

Mr. Ralph Hill
2522 Tamalpais Avenue
El Cerrito, California 94530

RE: Former Hill Lumber Company
1259 Brighton Avenue, Albany , California 94706
STID # 3676

Dear Mr. Hill:

APR - 9 2001

RALEY VAUGHN

This letter confirms the completion of site investigation and remedial action for the two underground storage tanks (1,000 gallon gasoline and 500 gallon gasoline) removed on April 16, 1991 at the above described location. Enclosed is the Case Closure Summary for the referenced site for your records.

Based upon the available information, including the current land use, and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the two underground storage tank releases is required.

This notice is issued pursuant to a regulation contained in Title 23, California Code of Regulations, Division 3, Chapter 16, Section 2721 (e). If a change in the present land use is proposed, the property owner must promptly notify this agency.

Please contact Susan L. Hugo at (510) 567-6780 if you have any questions regarding this matter.

Sincerely,

Mee Ling Tung

Mee Ling Tung, Director

Enclosure

c: Gordon Coleman, Acting Chief, Environmental Protection
Kevin Graves, RWQCB
Lori Casias, SWRCB (with enclosure)
Frank Goldman, Geosolv, Inc., 643 Oregon Street, Sonoma, CA 95476
SH - files

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION Date: July 31, 1996
Agency name: **Alameda County-HazMat** Address: **1131 Harbor Bay Parkway**
City/State/Zip: **Alameda, CA 94502** Phone: **(510) 567-6700**
Responsible staff person: **Susan Hugo** Title: **Sr. Hazardous Materials Spec.**

II. CASE INFORMATION
Site facility name: **Former Hill Lumber Company**
Site facility address: **1259 Brighton Avenue, Albany, CA 94706**
RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: **3676**
URF filing date: **5/8/92** SWEEPS No: **N/A**

Responsible Parties:	Addresses:	Phone Numbers:
Mr. Ralph Hill	2522 Tamalpais Avenue El Cerrito, California 94530	

Tank No:	Size in gal.:	Contents:	Closed in-place or removed?:	Date:
1	1,000 gallon	Gasoline	Removed	4/16/91
2	500 gallon	Gasoline	Removed	4/16/91

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: **Unknown**
Site characterization complete? **YES**
Date approved by oversight agency: **7/27/92**
Monitoring Wells installed? **YES** Number: **Four (4)**
Proper screened interval? **YES, (12 feet to 28 feet bgs)**
Highest GW depth below ground surface: **6.91 ft** Lowest depth: **9.42 ft**
Flow direction: **West southwest towards the bay.**
Most sensitive current use: **Presently being used by City of Albany Public Works, proposed future site for a middle school.**
Are drinking water wells affected? **NO** Aquifer name: **NA**
Is surface water affected? **NO** Nearest affected SW name: **NA**
Off-site beneficial use impacts (addresses/locations): **NA**
Report(s) on file? **YES** Where is report(s) filed? **Alameda County 1131 Harbor Bay Parkway, Alameda, CA 94502-6577**

Treatment and Disposal of Affected Material:

Material	Amount (include units)	Action (Treatment of Disposal w/destination)	Date
Tank &	1 - 1,000 gallon	Erickson, Richmond, CA	4/16/91
	1 - 500 gallon	Erickson, Richmond, CA	4/16/91
Soil	257 cu yds	Aerated, sampled & reused at the site.	
Purged Water	220 gallons	Sampled & reused at the site.	

Leaking Underground Fuel Storage Tank Program

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued)
Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)	
	* Before	*** After	** Before	After
TPH (Gas)	3,700	740	2925	nd
TPH (Diesel)	230	-	-	nd
Benzene	nd	3.3	59	nd
Toluene	94	15	479	nd
Xylene	410	110	408	nd
Ethylbenzene	63	21	nd	nd
Lead (total)	-	17	-	-

* Soil samples collected during the removal of the tanks on 4/16/91.

** Grab water sample collected from the boring drilled in the middle of 1000 gallon UST excavation on July 11, 1991.

*** Verification soil samples collected around the two tank pits after limited overexcavation conducted in July 1992 through August 1992.

Comments (Depth of Remediation, etc.):

On April 16, 1991, two (2) underground gasoline storage tanks (1,000 gallon and 500 gallon) were removed from the subject site. The 1000 gallon UST was located underneath the sidewalk along Brighton Avenue while the 500 gallon UST was in the loading dock area of the shop building. TPH gasoline as high as 890 ppm and 3,700 ppm was detected in the soil samples collected beneath the 500 gallon and 1,000 gallon USTs, respectively. No benzene was detected in the soil samples. Groundwater was not present in either excavation to a depth of 11 feet bgs.

In July 1991, two borings were drilled within 10 feet and east of each tank excavation (B 14/15 & B 16) and one boring (B 12) was drilled through the middle of the former 1000 gallon UST excavation. Soil samples collected from the borings at 9.5 feet to 11.6 feet were all non detect for TPH gasoline and BTEX. The grab water sample collected from boring B 12 contained 2924 ppb TPH gasoline, 59 ppb benzene, 479 ppb toluene, and 408 ppb xylene.

From July 29 to August 4, 1992, limited overexcavation was conducted in both UST pits. Verification soil samples were collected and low levels of soil contamination listed in the above table were left at the site. Approximately 257 cubic yards of soil was excavated, aerated, sampled and reused at the site.

On July 6, 1994, two shallow groundwater monitoring wells (MW-1 & MW-2) and one piezometer (MW-3) were installed on the property. Site soil consisted of sandy gravelly clay from 2 to 4 feet bgs and underlain by sandy to silty clays to 16 feet depth. Bedrock was observed at approximately 18.5 feet bgs.

Groundwater was first encountered at depths of between 9.3 feet to 17.0 feet and stabilized at 8.13 feet to 9.23 feet bgs.

TPH gasoline, TPH diesel and BTEX were not detected in the grab water and soil samples collected from borings MW-2 and MW-3. No soil sample was collected from the continuous cored boring MW-1. TPH gasoline, TPH diesel and BTEX were not present in the water samples from MW-2 and MW-3 but TPH diesel at 110 ppb was detected in MW-1.

On October 25, 1994, one boring (MW-4) was drilled in the vicinity of the former 500 gallon gasoline tank. The boring was placed within ten feet and upgradient of the UST and converted to a groundwater monitoring well to verify the groundwater flow direction and confirm that a former UST removed from the City of Albany Corporation Yard (upgradient of the subject site) was not a source of contamination. TPH gasoline, TPH diesel and BTEX were not detected in the soil and groundwater samples collected from MW-4.

The two monitoring wells (MW-1 and MW-2) and the piezometer (MW-3) have been sampled for four monitoring events from July 1994 up to April 1995. TPH gasoline and BTEX were not detected in any of the wells. TPH diesel was detected one time at 93 ppb in MW-2. TPH diesel has been detected in MW-1 as high as 130 ppb but was non detect during the last monitoring event (4/95).

On May 2, 1996, a Limited Risk Based Corrective Action (RBCA) Report was prepared and submitted by Geosolv, Inc. for the subject site. The RBCA evaluation was performed to develop a risk mangement plan for the remaining hydrocarbon contamination in the soil at the site.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? **Undetermined**

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? **Undetermined**

Does corrective action protect public health for current land use? **YES**

Site management requirements: **A site health and safety plan must be submitted to this Agency (ACDEH) for review and approval prior to any excavation or trenching work at the site which could potentially expose future construction workers or the public to residual contamination left in place. Six inches of concrete slab on grade underlain by visqueen vapor barrier was proposed and accepted as part of the foundation for the proposed gymnasium.**

Should corrective action be reviewed if land use changes? **YES**

Monitoring wells Decommissioned: **No, will decommission upon case closure**

Leaking Underground Fuel Storage Tank Program

Number Decommissioned: **NA** Number Retained: **Four (4)**

List enforcement actions taken: **NA**

List enforcement actions rescinded: **NA**

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: **Susan L. Hugo** Title: **Sr. Hazardous Materials Specialist**

Signature: Susan L. Hugo Date: 8/8/96

Reviewed by

Name: **Eva Chu** Title: **Hazardous Materials Specialist**

Signature: Eva Chu Date: 8/8/96

Name: **Thomas Peacock** Title: **Manager, LOP**

Signature: Thomas Peacock Date: 8-8-96

VI. RWQCB NOTIFICATION

Date Submitted to RB: 8/19/96 RB Response: Approved

RWQCB Staff Name: **Kevin Graves** Title: **Water Resources Control Engineer**

Date: 9/4/96

VII. ADDITIONAL COMMENTS, DATA, ETC.

The rationale for recommending case closure for the subject site are as follows:

1) Aggressive source removal has occurred at the site. The leaking tanks were removed in April 1991. Limited overexcavation was conducted in July 1992.

2) The site has been adequately characterized. The residual soil contamination appeared to be limited to the west and north of the former 1000 gallon UST and west of the 500 gallon UST at 10 feet bgs near the building at very low concentrations.

3) TPH diesel, TPH gasoline and BTEX were not detected in all the three wells during the last sampling event (4/95).

4) The site does not appear to present a significant risk to human health and the environment. Potential pathways of exposure to the residual contaminated soil related to ingestion of soil, dermal contact with soil, or inhalation of hydrocarbon vapors from the soil are not possible because the predominant soil contamination was identified between 6 and 10.5 feet bgs and the area where USTs were located will be covered with six inches of concrete slab on grade underlain by visqueen vapor barrier which will serve as part of the foundation for the proposed gymnasium.

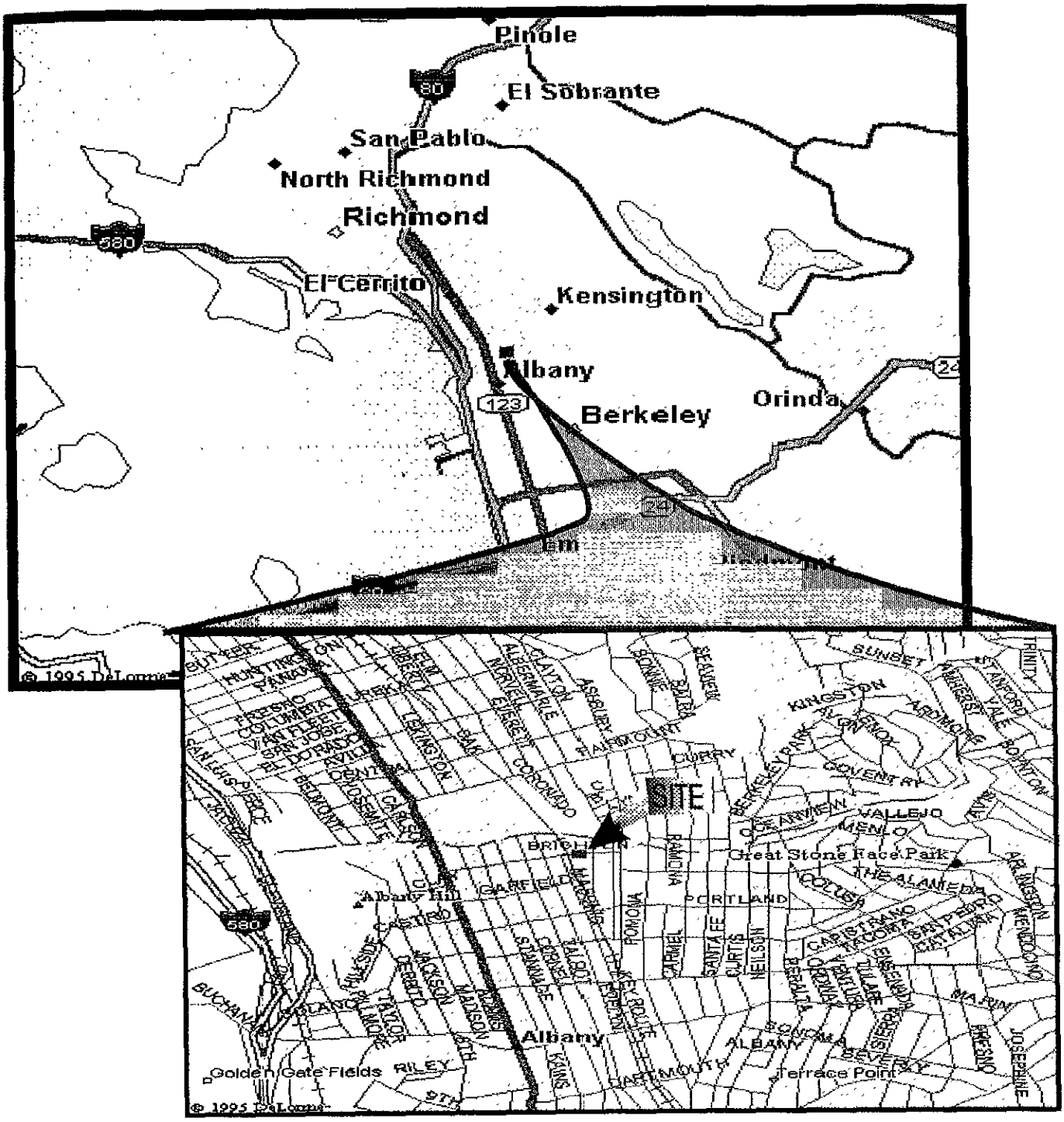


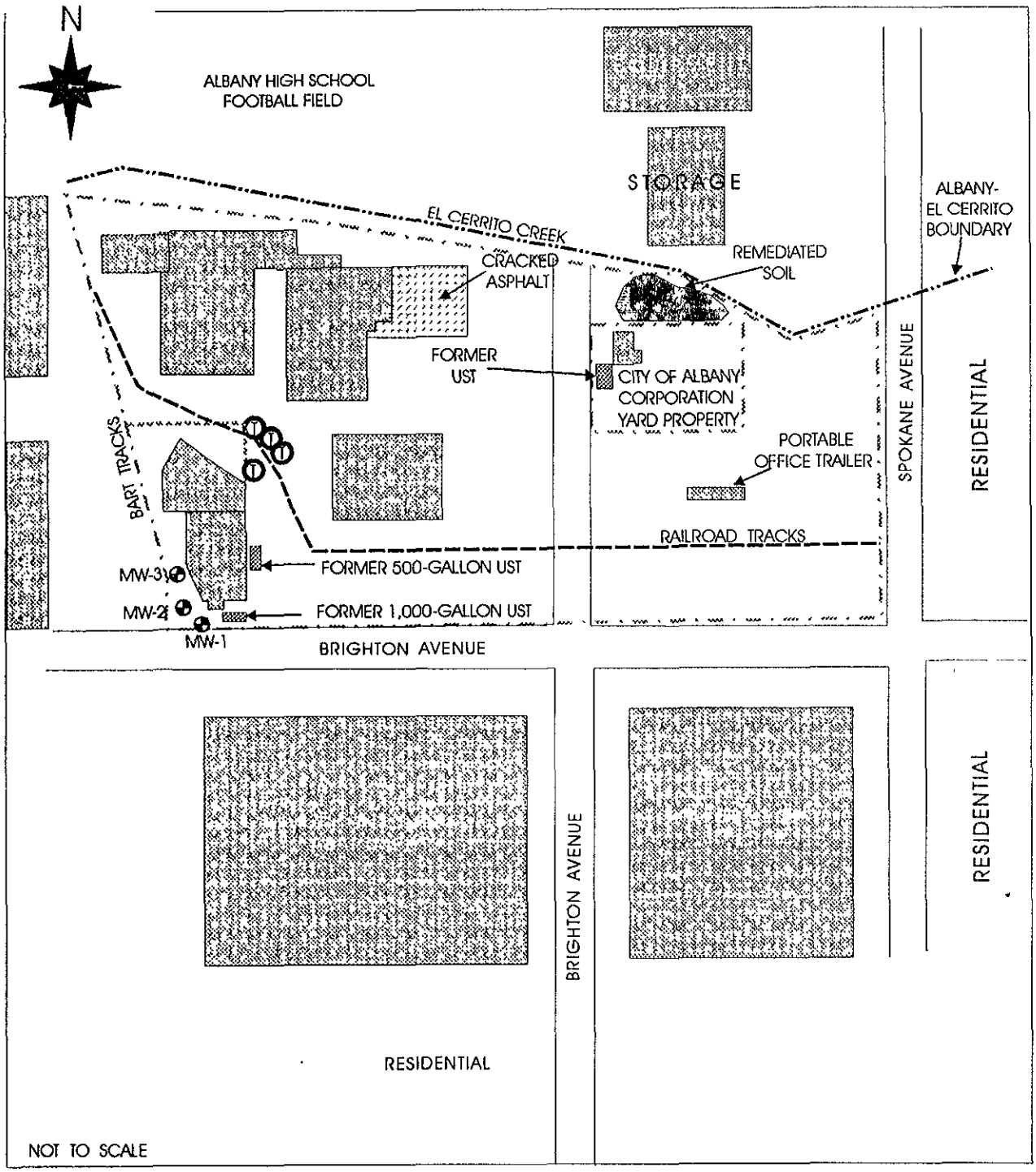
FIGURE 1

GEOSOLV, INC.
643 Oregon Street, Sonoma, California 95476

SITE LOCATION MAP
THE HILL LUMBER COMPANY
1259 BRIGHTON AVENUE
ALBANY, CALIFORNIA

Project No. 0001.96

MAY 2, 1996



LEGEND

- EXISTING MONITORING WELLS
- RAILROAD TRACKS
- ESTIMATED SITE BOUNDARY
- POLE-MOUNTED TRANSFORMER
- FORMER UST

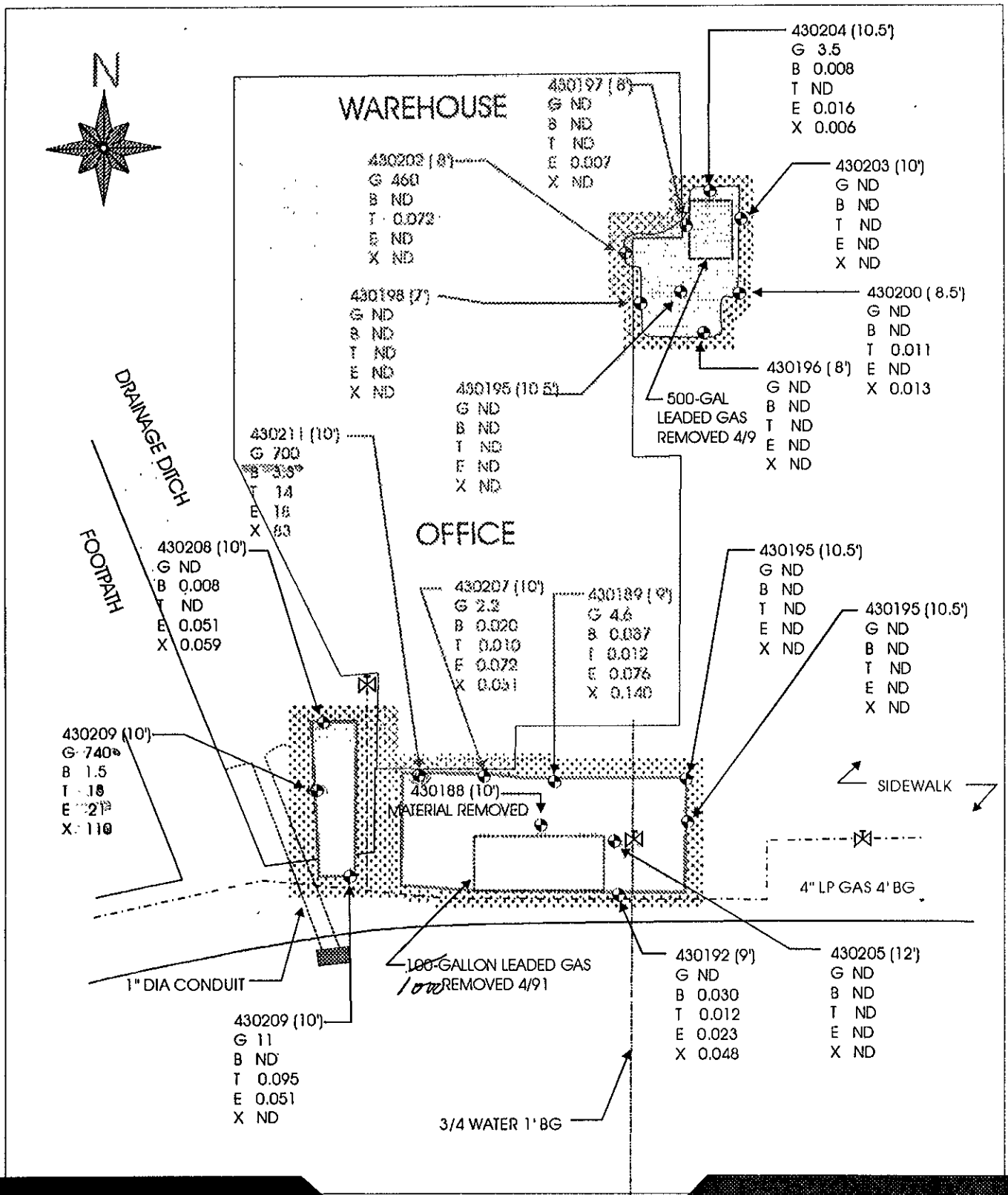
FIGURE 2

GEOSOLV, INC.
643 Oregon Street, Sonoma, California 95476

PLOT PLAN OF SITE BEFORE DEMOLITION
THE HILL LUMBER COMPANY
1259 BRIGHTON AVENUE
ALBANY, CALIFORNIA

Project No. 0001.96

MAY 2, 1996



LEGEND

- EXISTING MONITORING WELLS
- FORMER LEADED GAS UST's
- LIMITS OF PIT EXCAVATION AT GRADE SURFACE
- LIMITS OF PIT BOTTOM
- WAREHOUSE AND OFFICE BUILDING

FIGURE 3

GEOSOLV, INC.
643 Oregon Street, Sonoma, California 95476

MAP OF FORMER UST EXCAVATIONS
WITH SOIL ANALYTICAL TEST RESULTS
THE HILL LUMBER COMPANY
1259 BRIGHTON AVENUE
ALBANY, CALIFORNIA
Project No. 0001.96
May 2, 1996

TABLE 1
Historical Groundwater Results for the Hill Lumber Site

BORING NUMBER	SAMPLE DATE	TPH-Diesel ug/l	TPH-Gas ug/l	Benzene ug/l	Toluene ug/l	Ethyl Benzene ug/l	Xylene ug/l
MW-1	07/13/94	110	ND	ND	ND	ND	ND
	10/10/94	130	ND	ND	ND	ND	ND
	1/31/95	52	ND	ND	ND	ND	ND
	4/25/95	ND	ND	ND	ND	ND	ND
MW-2	07/13/94	ND	ND	ND	ND	ND	1.0
	10/10/94	93	ND	ND	ND	ND	ND
	1/31/95	ND	ND	ND	ND	ND	ND
	4/25/95	ND	ND	ND	ND	ND	ND
MW-3 (P-3)	07/13/94	ND	ND	ND	ND	ND	ND
	10/10/94	NT	NT	NT	NT	NT	NT
	1/31/95	ND	ND	ND	ND	ND	ND
	4/25/95	ND	ND	ND	ND	ND	ND
MW-4	11/01/94	ND	ND	ND	ND	ND	ND
*California Department of Health Services primary maximum contamination level for drinking water.		None Listed	None Listed	1.0	150	700	1750

*Drinking Water Standards and Health Advisories Table, EPA August, 1995. California M.C.L.'s.

ND = Non-detectable levels
NT= Not tested

Groundwater monitoring results demonstrate that groundwater is no longer being impacted by benzene and toluene from the former UST's and that the only remaining unresolved issue is the potential impact of residual soil contamination on future beneficial uses of groundwater beneath the site.

TABLE 3

WELL CONSTRUCTION DATA

Hill Lumber
1259 Brighton Avenue
Albany, CA

Well	Diameter (Inches)	Date Drilled	Total Boring Depth (Feet)	Top of Casing Elevation	Screened Interval (feet below grade)
MW-1	2	7/6/94	28	61.77	13-28
MW-2	2	7/6/94	28	61.37	12-28
MW-3	2	7/6/94	29.5	60.47	12-28

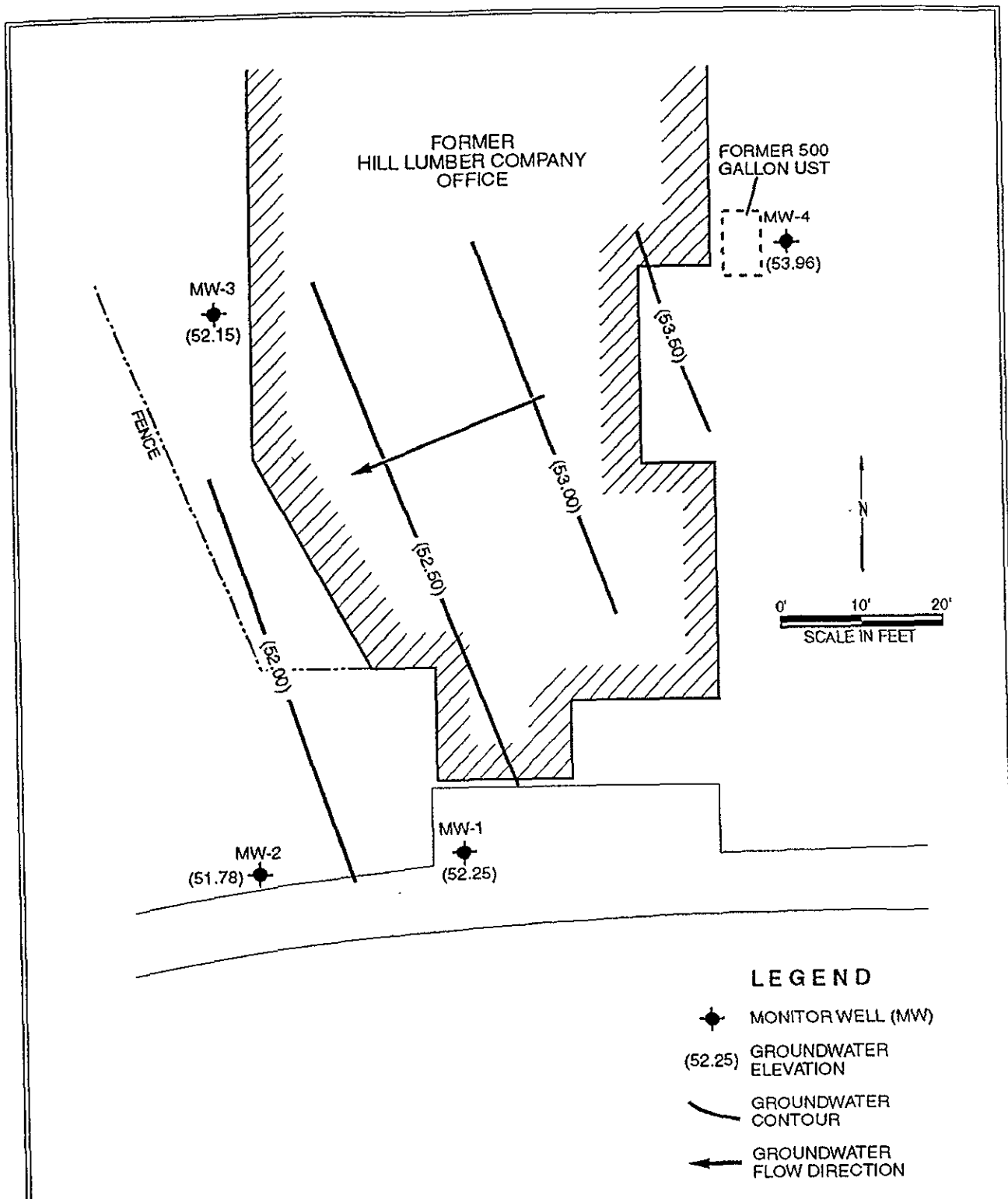
TABLE 4

GROUNDWATER ELEVATION DATA, 7/13/94-4/24/95

Hill Lumber
1259 Brighton Avenue
Albany, CA

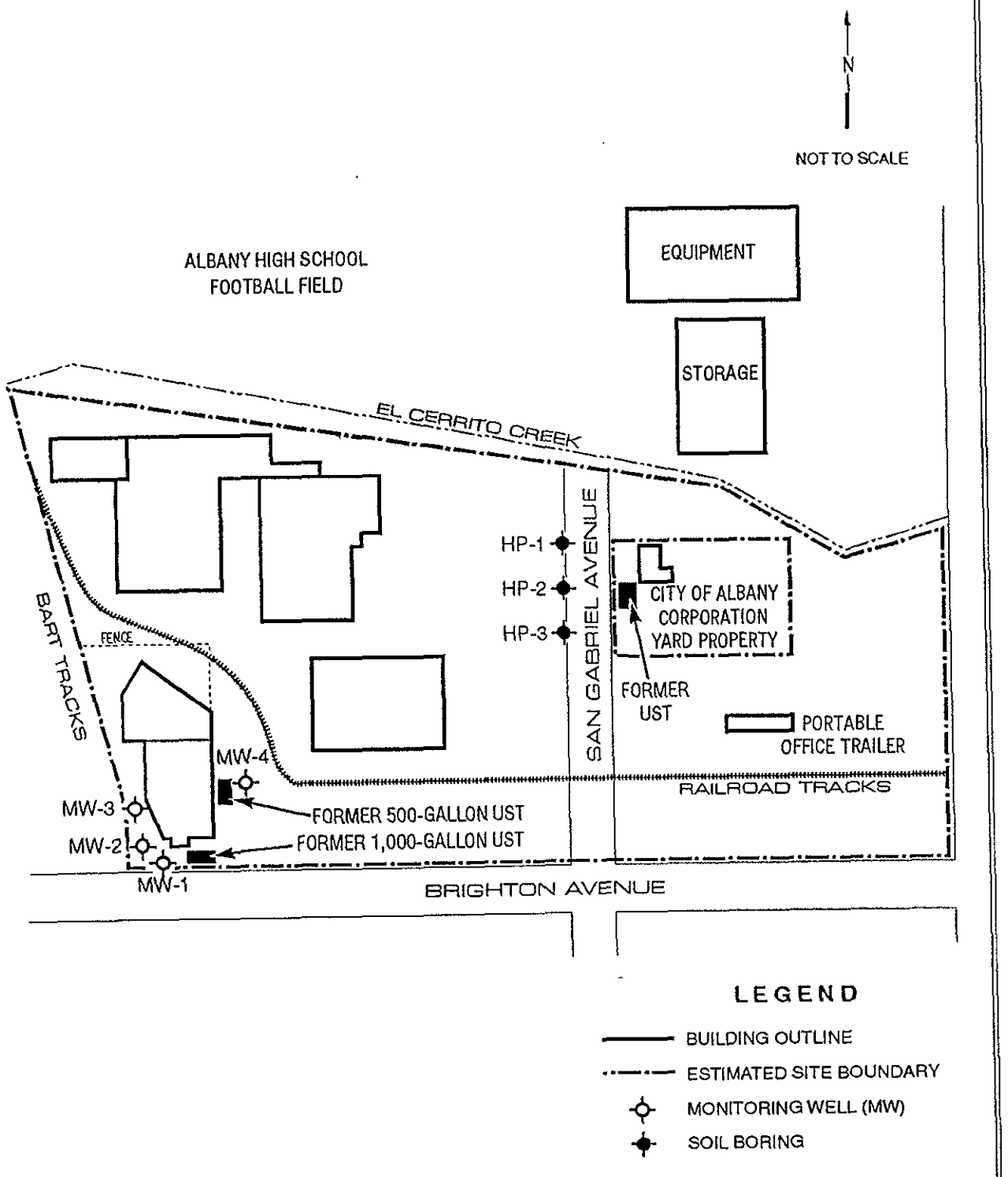
	MW-1	MW-2	MW-3	Date
SWL	8.85	9.04	7.77	4/24/95
GSE	**52.92**	**52.33**	**52.70**	
SWL	8.03	8.15	6.91	1/31/95
GSE	**53.74**	**53.22**	**53.56**	
SWL	9.32	9.42	8.20	10/10/94
GSE	**52.45**	**51.95**	**52.27**	
SWL	9.23	9.38	8.13	7/13/94
GSE	**52.54**	**51.99**	**52.34**	

GSE - Groundwater Surface Elevation
SWL - Static Water Level



ADAPTED FROM CEC MAP

DRAFTED BY: PEM	CHECKED BY: B.R.	PROJECT NUMBER: 70059-001-01	FIGURE NUMBER: 5	SEACOR 1390 Willow Pass Road Suite 360 Concord, CA 94520
DWG DATE: 11/2/94	REV.DATE:	CLIENT: HILL LUMBER COMPANY	TITLE: GROUNDWATER CONTOUR MAP HILL LUMBER COMPANY 1259 BRIGHTON AVENUE ALBANY, CA	
FILE NAME: ScrHilLmbrContur#3				



DRAFTED BY: PEM	CHECKED BY: B.R.	PROJECT NUMBER: 70059-001-01	FIGURE NUMBER: 6
DWG DATE: 11/2/94	REV.DATE:	CLIENT: HILL LUMBER COMPANY	TITLE: SOIL BORING LOCATION MAP HILL LUMBER COMPANY 1259 BRIGHTON AVENUE ALBANY, CA
FILE NAME: ScrHilLmbrSoilBrng#2			

SEACOR
1390 Willow Pass Road
Suite 360
Concord, CA
94520

TABLE 5
LABORATORY ANALYTICAL RESULTS
SOIL
October 1994

Sample Number	*Depth (feet)*	*THPd*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*
HP1-11.5	11.5	<10	<1	<0.005	<0.005	<0.005	<0.005
HP2-13.5	13.5	<10	<1	<0.005	<0.005	<0.005	<0.005
HP3-7.5	7.5	<10	<1	<0.005	<0.005	<0.005	<0.005
MW4-8	8	<10	<1	<0.005	<0.005	<0.005	<0.005
MW4-11.5	11.5	<10	<1	<0.005	<0.005	<0.005	<0.005

Notes:
Concentrations in milligrams per kilogram
< indicates analyte not detected above the method detection limit shown

TABLE 10
LABORATORY ANALYTICAL RESULTS
GROUNDWATER
October 1994

Sample Number	*THPd*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*
HP-1	<50	<50	<0.5	<0.5	<0.5	<0.5
HP-2	<50	<50	<0.5	<0.5	<0.5	<0.5
HP-3	<50	<50	<0.5	<0.5	<0.5	<0.5
MW-4	<50	<50	<0.5	<0.5	<0.5	<0.5

Notes:
Concentrations in micrograms per liter
< indicates analyte not detected above the method detection limit shown

CERTIFIED ENVIRONMENTAL CONSULTING
336 STONE ROAD SUITE J BENICIA CA 94510
(707) 745-0171 / (800) 228-0171 / (707) 745-0163 FAX

BORING NUMBER **MW-1** SHEET 1 OF 1

PROJECT **Hill Lumber Company**

LOCATION **1259 Brighton Avenue.**

CONTRACT NUMBER **157-1660**

COORDINATES

SURFACE ELEVATION DATUM

LOGGED BY **R. Gallardo**

DEPTH FEET	LAB SAMPLE	SAMPLE TYPE	BLOW COUNTS	Recovery %	HNu (ppm)	STRATA	DESCRIPTION	WELL CONSTRUCTION DETAIL	ELEVATION FEET
							0 - 4" Concrete 4" - 11.5' Brown Grey base rock		
10			3 3 3	0			SANDY CLAY (CL) Yellow brown, medium stiff, lepard texture, carbon nodules.		
15			8 7 13 8 8 11 19 21				CLAYEY SANDY GRAVEL (GC) yellow brown, medium dense, moist, 1/4" to 1/2" sub angular clasts Residual soil, weathered bedrock		
20			9 19 39 30				GREY WEATHERED SHALE SANDSTONE weathered, yellow brown with clay seams weathered sandstone bedrock		
25							Total depth of boring 28 feet		

DRILLING CONTRACTOR **SES**

DRILLING METHOD **HSA**

DRILLING EQUIPMENT **CME55**

DRILLING STARTED **7/6/94** ENDED **7/6/94**

REMARKS

See key sheet for symbols and abbreviations used above.

CERTIFIED ENVIRONMENTAL CONSULTING
336 STONE ROAD SUITE J BENICIA CA 94510
(707) 745-0171 / (800) 228-0171 / (707) 745-0163 FAX

BORING NUMBER **MW-2** SHEET 1 OF 1

PROJECT **Hill Lumber Company**

LOCATION **1259 Brighton Avenue.**

CONTRACT NUMBER **157-1660**

LOGGED BY **R. Gallardo**

COORDINATES

SURFACE ELEVATION DATUM

SAMPLE INFORMATION						STRATA	DESCRIPTION	WELL CONSTRUCTION DETAIL	ELEVATION FEET
DEPTH FEET	LAB SAMPLE	SAMPLE TYPE	BLOW COUNTS	Recovery %	HNu (ppm)				
5			1 4 6 7	0			Base Rock brown Gravelly Clay (Fill) Dark Brown to Yellow Brown Sandy Clay (CL) yellow brown, stiff, moist, with trace gravel leopard texture		
10			4 8 13				Sandy Gravelly Clay(CL) yellow brown, stiff, moist, wet on shoe @ 11.75'		
15			7 8 6 10				SANDSTONE Yellow Brown, weathered bedrock with clay seams		
20			7 20 26 27						
25			9 14 26 34				SHALE (SH) gray, weathered Total depth of boring 29.5 feet		

DRILLING CONTRACTOR **SES**

DRILLING METHOD **HSA**

DRILLING EQUIPMENT **CME55**

DRILLING STARTED **7/6/94** ENDED **7/6/94**

REMARKS

See key sheet for symbols and abbreviations used above.

CERTIFIED ENVIRONMENTAL CONSULTING
536 STONE ROAD SUITE J BENICIA CA 94510
(707) 745-0171 / (800) 228-0171 / (707) 745-0163 FAX

BORING NUMBER **MW-3** SHEET 1 OF 1

PROJECT **Hill Lumber Company**

LOCATION **1259 Brighton Avenue.**

CONTRACT NUMBER **157-1660**

LOGGED BY **R. Gallardo**

COORDINATES

SURFACE ELEVATION DATUM

SAMPLE INFORMATION						STRATA	DESCRIPTION	WELL CONSTRUCTION DETAIL	ELEVATION FEET
DEPTH FEET	LAB SAMPLE	SAMPLE TYPE	BLOW COUNTS	Recovery %	HNu (ppm)				
5			2 4 10				Sandy Gravelly Clay(CL) dark brown		
							Base Rock gray brown		
							Silty Clay(CL) Dark Gray, stiff, moist		
10			2 5 9				SANDY CLAY(CL) Yellow Brown, stiff, moist, Petroleum odor @10.0', vertical gray streaks of contaminated soil		
15			6 9 9				CLAYEY SANDY GRAVEL (GC) Yellow brown, medium dense, moist to wet @ tip 17.0'		
20			9 10 13				SANDSTONE Yellow Brown weathered bedrock with clay seams		
25			12 18 29				SHALE(SH) Medium Gray weathered		
			10 17 23				Total depth of boring 28 feet		

DRILLING CONTRACTOR **SES**

DRILLING METHOD **HSA**

DRILLING EQUIPMENT **CME55**

DRILLING STARTED **7/6/94** ENDED **7/6/94**

REMARKS

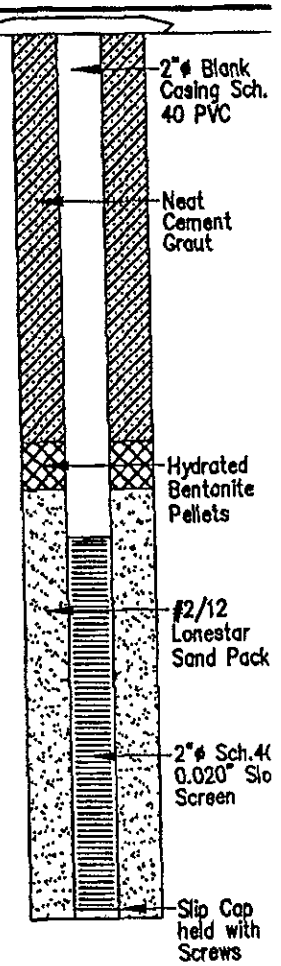
See key sheet for symbols and abbreviations used above.

Project: FORMER HILL LUMBER CO.–1259 Brighton Ave. Albany, CA			Log of Boring/Monitoring Well: **MW-4**
Boring Location: W Side of Bldg. Beside Former 500 Gal. UST	Project No.: 70059-001-01		
Subcontractor and Equipment: BAYLAND CME 75, 8" HSA	Logged By: ROBITAILLE		
Sampling Method: CONTINUOUS CORE BARREL	Monitoring Device: PID/OVM		Comments:
Start Date/Time: 10/25/94//1100	Finish Date/Time: 10/25/94//1135		
First Water (bgs): 12.0 FEET	Stabilized Water Level (bgs): 8.1 FEET		

Surface Elevation: NA Casing Top Elevation: 62.01 FT.

Sample Interval Recovery (Feet)	Blows/Foot	PID (ppm)	Depth (Feet)	Samples	USCS Symbol	Water Level	LITHOLOGIC DESCRIPTION (color, grain size, consistency, moisture, other)
HAND AUGERED		0	0				ASPHALT/CONCRETE
			1				BLACK (10YR 2/1) SILTY CLAY (CL) moderate soft, moist, trace fine sand (0,5,30,65)
		0	2				
			3				
		0	4				
			5				
5'/5'			6				Grades with light gray mottling, dry
			7				GRAYISH BROWN (2.5Y 5/2) SANDY CLAY (CL) moderate hard, dry, poorly sorted fine to coarse sand, trace small gravel, no product odor (3,17,10,70)
		0	8				GRAYISH BROWN, GRAVELLY CLAY (CL) moderate hard, dry, with poorly sorted sand, trace silt, poorly sorted gravel to >2" dia. (15,10,5,60)
			9				
		0	10				Grades yellowish brown (10YR 5/5) increasing gravel and sand (20,20,10,50)
5'/5'			11				Grades moist
		0	12			▽	Found water 1135 hrs.
			13				YELLOWISH BROWN (10YR 5/4) INTERBEDDED GRAVELLY SAND WITH CLAY, GRAVELLY CLAY AND CLAYEY SAND (SW/CL) hard to loose, wet (20,40,10,30)
		0	14				
			15				
5'/3'		0	16				YELLOWISH BROWN (10YR 5/4) GRAVELLY SAND (SW) moderate loose, wet, very poorly sorted fine to very coarse sand, very poorly sorted, small to large gravel with cobbles (30,60,5,5)
			17				
		0	18				YELLOWISH BROWN, CLAYEY GRAVEL (GC) dense, wet to moist, very poorly sorted, small to large gravel with cobbles (60,10,0,30)
			19				End of Boring 18.5'
			20				
			21				
			22				
			23				
			24				
			25				
			26				
			27				
			28				
			29				
			30				

Boring Abandonment/ Well Construction Details

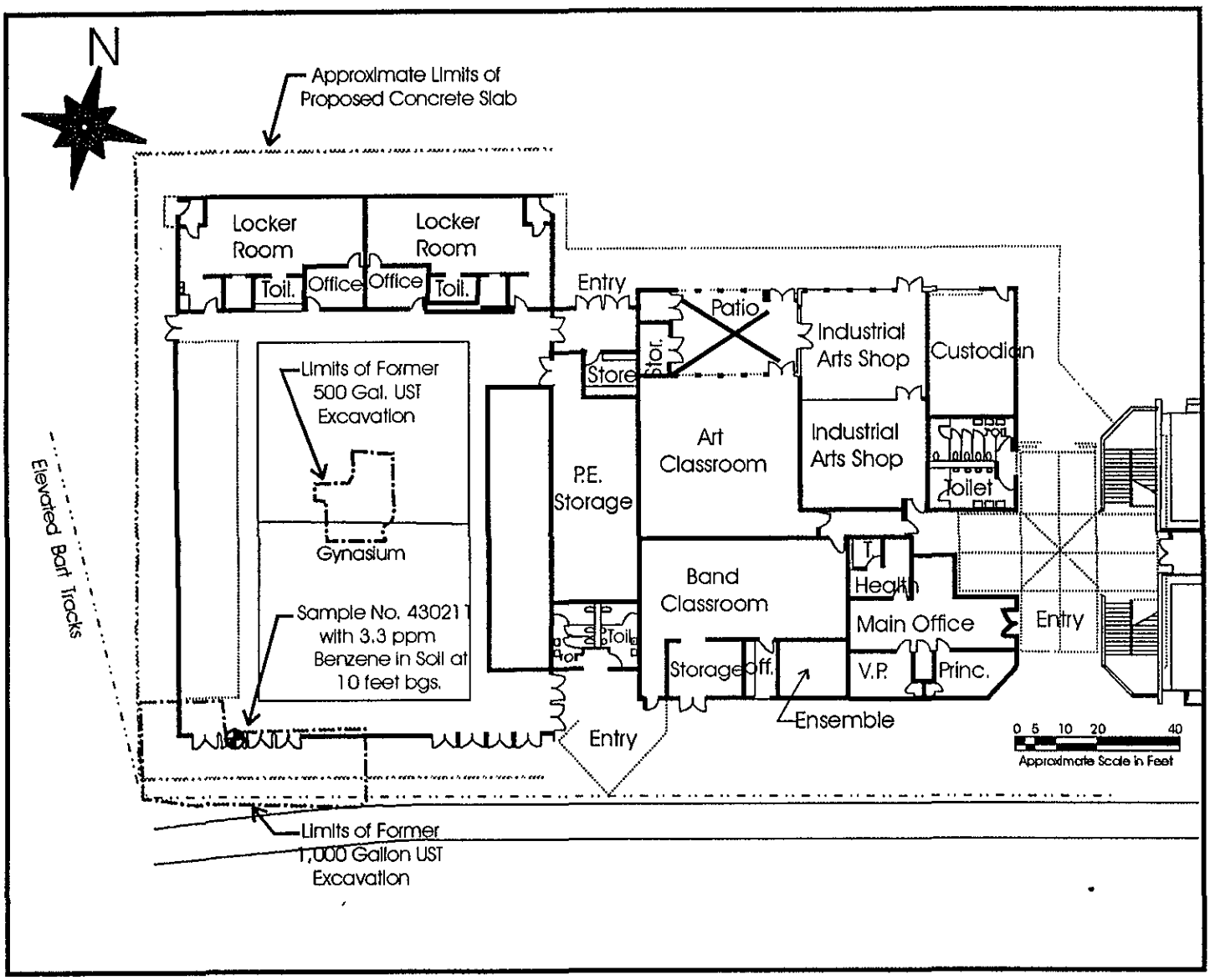


199411.030901 E:\LOGS\HLL-LUM\MW-4

SECOR

Reviewed By: _____ Date: Nov 4, 94

Revised By: _____ Date: _____



LEGEND

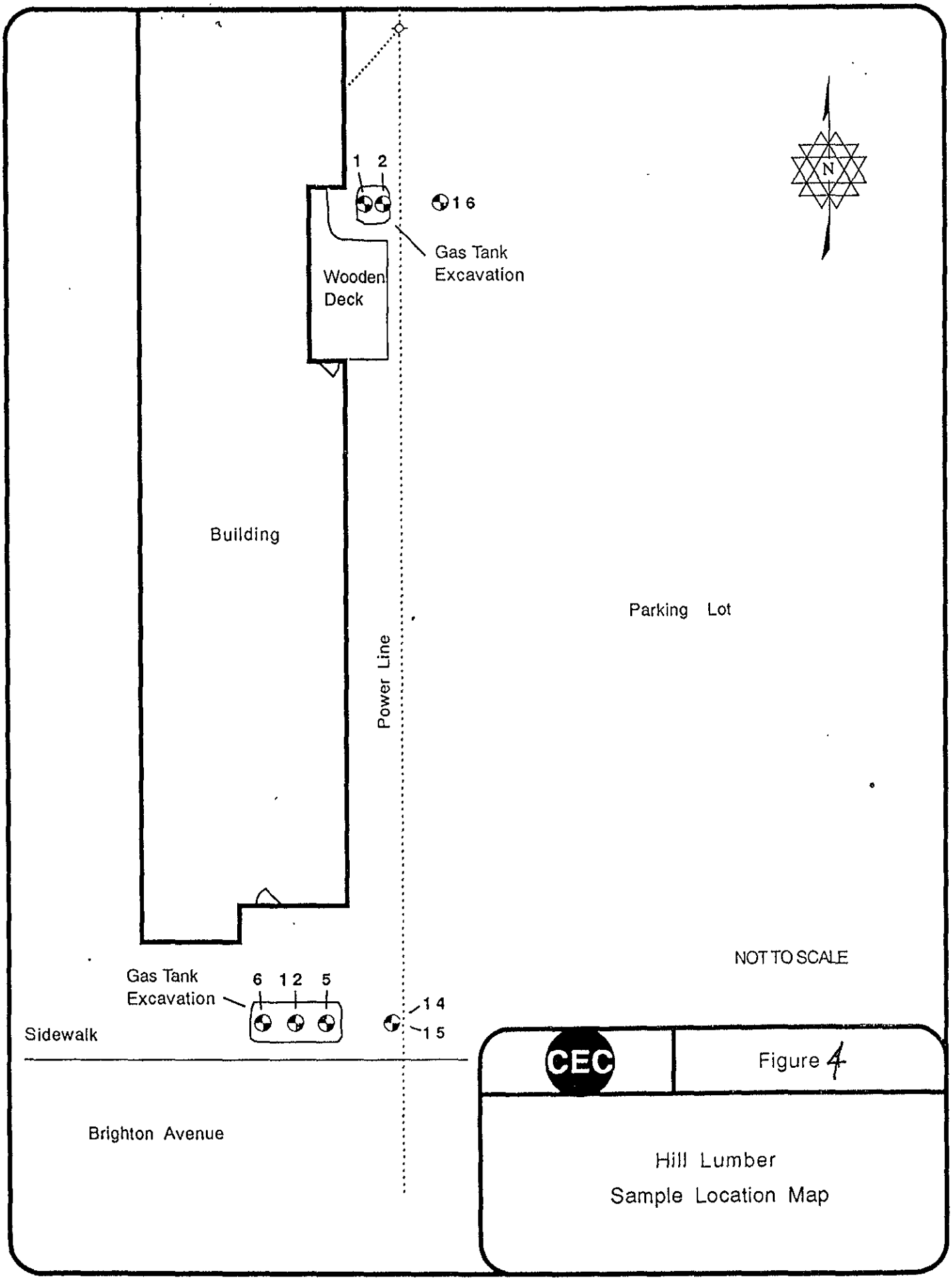
- SAMPLE WITH 3.3PPM BENZENE
- APPROXIMATE LIMITS OF PROPOSED CONCRETE SLAB
- LIMITS OF FORMER 1,000 GALLON UST EXCAVATION
- LIMITS OF FORMER 500 GALLON UST EXCAVATION

FIGURE 2

GEOSOLV, INC.
643 Oregon Street, Sonoma, California 95476

MAP OF PROPOSED GYMNASIUM RELATIVE TO FORMER UST EXCAVATIONS

THE HILL LUMBER COMPANY
1259 BRIGHTON AVENUE
ALBANY, CALIFORNIA
Project No. 0001.96
MAY 2, 1996



CEC

Figure 4

Hill Lumber

Sample Location Map

Table 1. Analytical Results

Sample No.	Date Sampled	Matrix	Depth (ft.)	TPH-D (ppm)	TPH-G (ppm)	Benzene (ppb)	Toluene (ppb)	Ethyl Benzene (ppb)	Xylene (ppb)
1	4/17/91	soil	7.0	230	890	LDL	2400	7100	17000
2	4/17/91	soil	8.5	LDL	210	LDL	660	1500	3600
5	4/17/91	soil	10.0	190	3700	LDL	680	1100	3500 ←
6	4/17/91	soil	11.0	LDL	9	LDL	33	14	120
Detection limits				10	1	3	3	3	3
14	7/11/91	soil	9.5	NT	LDL	LDL	LDL	LDL	LDL
15	7/11/91	soil	10.0	NT	LDL	LDL	LDL	LDL	LDL
16	7/11/91	soil	11.6	NT	LDL	LDL	LDL	LDL	LDL
Detection Limits					1	5	5	5	5
12	7/11/91	water	9.7	NT	2924	59	479	LDL	408 ←
Detection Limits					0.05	0.5	0.5	0.5	0.5

ppm: parts per million
ppb: parts per billion
NT: not tested
LDL: less than detection limits

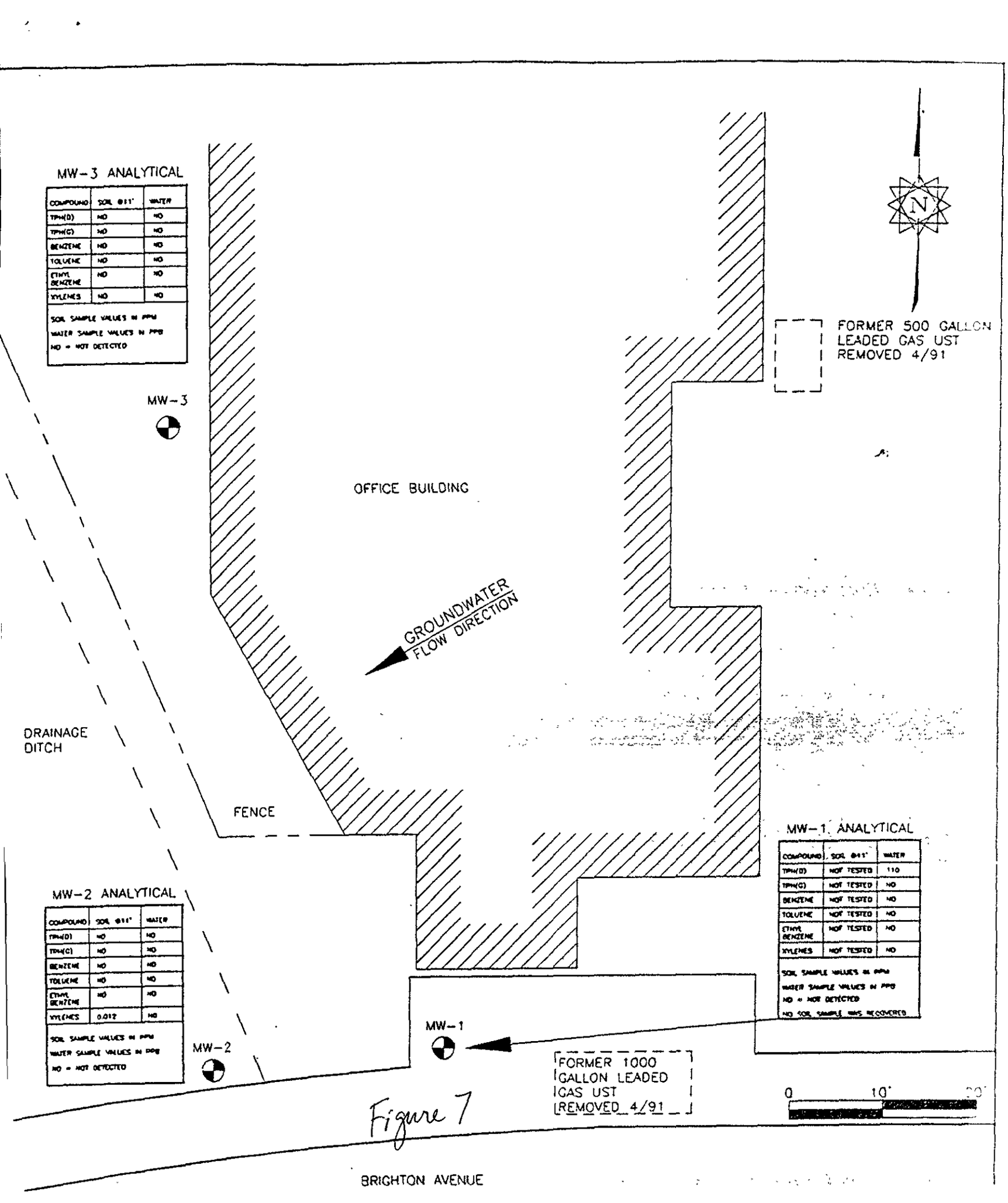

MW-3 ANALYTICAL
COMPOUND | SOIL @11' | WATER
TPH(D) | ND | ND
TPH(G) | ND | ND
BENZENE | ND | ND
TOLUENE | ND | ND
ETHYL BENZENE | ND | ND
XYLENES | ND | ND
SOIL SAMPLE VALUES IN PPM
WATER SAMPLE VALUES IN PPB
ND = NOT DETECTED
MW-3
OFFICE BUILDING
FORMER 500 GALLON LEADED GAS UST REMOVED 4/91
N
GROUNDWATER FLOW DIRECTION
DRAINAGE DITCH
FENCE
MW-2 ANALYTICAL
COMPOUND | SOIL @11' | WATER
TPH(D) | ND | ND
TPH(G) | ND | ND
BENZENE | ND | ND
TOLUENE | ND | ND
ETHYL BENZENE | ND | ND
XYLENES | 0.012 | ND
SOIL SAMPLE VALUES IN PPM
WATER SAMPLE VALUES IN PPB
ND = NOT DETECTED
MW-2
MW-1 ANALYTICAL
COMPOUND | SOIL @11' | WATER
TPH(D) | NOT TESTED | 110
TPH(G) | NOT TESTED | ND
BENZENE | NOT TESTED | ND
TOLUENE | NOT TESTED | ND
ETHYL BENZENE | NOT TESTED | ND
XYLENES | NOT TESTED | ND
SOIL SAMPLE VALUES IN PPM
WATER SAMPLE VALUES IN PPB
ND = NOT DETECTED
NO SOIL SAMPLE WAS RECOVERED
MW-1
FORMER 1000 GALLON LEADED GAS UST REMOVED 4/91
0
10'
BRIGHTON AVENUE

Figure 7