CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION
2101 WEBSTER STREET, SUITE 500
OAKLAND, CA 94612
(510) 286-1255

93 JUN 14 PM 5:10

June 8, 1993
File 2198.17 (UST)
RB File No.: 01-0081

Mr. Robert Falconer
18776 Walnut Road
Castro Valley, California 94546.

Subject: UST case closure for 310 Bartlett Avenue, Hayward, California.

Dear Mr. Falconer:

The Alameda County Department of Environmental Health has submitted a report which summarizes the investigation and cleanup of hydrocarbon pollution resulting from leaks associated with a 500 gallon leaded gasoline Underground Storage Tank at the above mentioned site, and recommends that the case be closed. Regional Board staff have reviewed the report and concur with the recommendation. Therefore, based on the available information for the above site, it appears that further investigation and cleanup of the hydrocarbon pollution is not necessary. However, further work may be required if conditions change or a water quality threat is discovered at the site.

Please contact Sumadhu Arigala at (510)-286-0434, if you have any questions.

Sincerely,

Steven R. Ritchie,
Executive Officer.

CC: Juliet Shin, ACDEH

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

REMEDIAL ACTION COMPLETION CERTIFICATION

September 23, 1996

Attn: Norman Alberts
Berkeley Farms, Inc.
PO Box 8465
Emeryville CA 94622

Dear Mr. Alberts:

UNDERGROUND STORAGE TANK (UST) CASE
Berkeley Land Company
23555 Saklan Road
Hayward CA 94545
SITE NO. 3734

This letter confirms the completion of site investigation and remedial action for the underground storage tank formerly located 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 underground storage tank release 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 land use, structural configuration, or site activities are proposed such that more conservative exposure scenarios should be evaluated, the owner must promptly notify this agency.

Please telephone Amy Leech at (510)567-6700 if you have any questions regarding this matter.

Sincerely,

Mee Ling Tung, Director of Environmental Health Services

ATTACHMENT

c: Robert Kezerian, Kaprealian Engineering Inc., 2401 Stanwell Dr., Suite 400, Concord CA 94520
Kevin Graves, RWQCB
Lori Casias, SWRCB w/attachment
Acting Chief of Environmental Protection Division
Files(ALL)

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Agency name: **Alameda County-HazMat**
Date:City/State/Zip: **Alameda, CA 94502**
Responsible staff person: **Amy Leech**
Date: **May 14, 1996**
Address: **1131 Harbor Bay Pkwy**
Phone: **(510) 567-6700**
Title: **Hazardous Materials Spec.**

II. CASE INFORMATION

Site facility name: **Berkeley Land Company**
Site facility address: **23555 Saklan Rd., Hayward, CA 94545**
RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: **3734**
URF filing date: **06/26/88** SWEEPS No: **N/A**

Responsible Parties:	**Address:**	**Phone Numbers:**
Attn: Norman Alberts	PO Box 8465	(510)420-5600
Berkeley Farms, Inc.	Emeryville CA 94622	

Tank No:	**Size in gal.:**	**Contents:**	**Closed in-place or removed?:**	**Date:**
1	6,000	Gasoline/Diesel	removed	6/88

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: **Unknown**

Site characterization complete? **Yes**
Date approved by oversight agency: **03/19/96**

Monitoring Wells installed? **Yes** Number: **5**

Proper screened interval? **Yes (10'/12' to 20'/27')**

Highest GW depth below ground surface: **9.84 ft** Lowest depth: **15.47 ft**

Flow direction: **Southwest**

Most sensitive current use: **Commercial**

Are drinking water wells affected? **No** Aquifer name: **N/A**

Is surface water affected? **No** Nearest affected SW name:**N/A**

Off-site beneficial use impacts (addresses/locations): **Not Known**

Report(s) on file? **YES** Where is report(s) filed?
Alameda County, 1131 Harbor Bay Pkwy, Alameda, CA 94502

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (cont'd)

Treatment and Disposal of Affected Material:

Material	Amount (include units)	Action (Treatment or Disposal w/destination)	Date
Tanks	1 - USTs	Unknown	
Soil	~130 cu. yds.	May have been used to backfill the tank pit.	
Purged Groundwater	1,500 gallons	Gibson Oil/Pilot Petroleum 475 Sea Port Blvd., Redwood City, CA	11/94

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After[1]	Before[2]	After
TPH (Gasoline)	ND	ND	4,600	ND
TPH (Diesel)	24,144	550	FP	8,400
Benzene	NA	ND	45	ND
Toluene	NA	ND	18	ND
Ethylbenzene	NA	0.004	ND	ND
Xylene	NA	0.010	750	ND
SVOC	NA	NA	NA	ND

ND=non-detect
NA=not analyzed
FP= floating product

1 "After" soil result collected in 2/90 from boring B at 15.5' bgs located at approx. 40' north of the UST pit.
2 "Before" water sample collected from monitoring well MW-3 in 1993; TPHg was reported to be a gasoline and non-gasoline mixture. Floating product was first discovered in production well WW-1 in 1990.

Comments (Depth of Remediation, etc.):
See comments under Additional Comments section.

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 safety assessment for potential exposure risks should be completed and the appropriate regulatory agencies must be notified prior to construction and/or excavation in the affected area at this site.

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

Monitoring wells Decommissioned: **No, pending case closure review.**
Number Decommissioned: **0** Number Retained: **5**

List enforcement actions taken: **Notice of violation issued 01/29/93.**
List enforcement actions rescinded: **All enforcement actions rescinded.**

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Amy Leech
Signature:
Title: Hazardous Materials Spec.
Date: 06/03/96

Reviewed by
Name: Juliet Shin
Signature:
Title: Senior Hazardous Materials Spec.
Date: 5/14/96

Name: Thomas Peacock
Signature:
Title: Supevising, Hazardous Materials Spec.
Date: 5-30-96

VI. RWQCB NOTIFICATION

Date Submitted to RB:
RWQCB Staff Name: Kevin Graves, P.E.
Title: Assoc. Water Resources Control Engineer

RB Response: Approved
Signature:
Date: 6/14/96

VII. ADDITIONAL COMMENTS

On May 27, 1988, one 6,000-gallon underground storage tank (UST) was reportedly removed from 23555 Saklan Road, Hayward, CA. Residential properties are located immediately south of this site along Middle Lane and east along Saklan Road; commercial and light industrial properties are located to the north and west. (See attachment 1 for site map.)

This office has no records or disposal manifests regarding the UST or stockpiled soil. Analytical results of soil samples collected from the tank pit reveal that this tank may have stored diesel fuel in addition to gasoline which was the last reported usage for the tank. Initial soil sample results identified 2,076 ppm TPH beneath the center and 24,144 ppm TPH beneath the fill end (north end) of the tank at approximately 10 feet below ground surface (bgs); BTEX compounds were not sought and the analytical results indicate that the TPH largely consists of diesel fuel.

In November 1988, Kaprealian Engineering, Inc. collected composite samples from 130 cubic yards of stockpiled soil which indicates that overexcavation of the tank pit may have occurred after UST removal. Results of composite samples identified TPHd, TPHg, and BTEX concentrations up to 140, 57, and ND, respectively. It is possible that all or part of the 130 cubic yards of stockpile soil was returned to the tank pit.

Since confirmatory soil samples of the tank pit were not collected after overexcavation activities, soil borings HA2 and HA3 were advanced in September 1995 at the south and east sides of the tank pit, respectively, to identify the maximum concentrations of contaminants left in soil. TPHd was identified up to 360 ppm at 10 feet bgs in boring HA3; BTEX compounds were non-detectable. Due to large rocks in the subsurface, it was not possible to obtain soil samples from the north end of the tank pit where diesel range compounds were originally detected at 24,144 ppm; however, it is believed that this sample was most likely collected in backfill material on top of a concrete hold down pad and was not, therefore, representative of the surrounding native material.

Numerous soil and/or groundwater samples have been collected from borings advanced throughout the site during various phases of investigation: soil borings A and B were advanced in February 1990; borings B-1 through B-4 and monitoring wells MW-1 through MW-5 were completed in May 1990; borings HP1 through HP-7 were advanced in June 1993; and as discussed above, HA2 and HA3 were advanced in September 1995. Based on the analytical results of the aforementioned soil samples, the residual hydrocarbon impacted soil remaining at the site appears to be primarily of diesel origin which is limited to within a 40 foot radius of the former tank pit and is largely contained within the capillary fringe (8 - 10 feet bgs). (See attachment 3 through 5 for boring locations/logs and results.)

VII. ADDITIONAL COMMENTS (cont'd)

Approximately two feet of floating product (diesel fuel #2) was discovered in an on-site production well (WW-1) located 10 feet north of the tank pit in February 1990. This well was reportedly used for toilet flushing in a temporary trailer located on the site. A down-hole video survey of well WW-1 completed in September 1993, indicates that this well is six inches in diameter and is perforated from approximately 12 to 45 feet bgs.

Groundwater has been monitored and sampled for all five monitoring wells and the production well (WW-1) 11 times from February 1993 to January 1996. Groundwater flow direction has been predominantly toward the southwest. As discussed above, free product (diesel fuel #2) was discovered in the production well WW-1 in February 1990. A free product recovery skimmer was installed in WW-1 during December 1993 and approximately 1,500 gallons of groundwater was purged from this well in November 1994. Free phase product has not been detected in the production well during the last 8 quarters of sampling (2 hydrologic cycles). (See attachment 6 for historical groundwater results.)

BTEX constituents have been non-detect in all of the wells at the site during the last 8 quarters of sampling, except for low levels of xylene and toluene detected in production well WW-1 during April 1995. Detectable concentrations of TPHd continue to be detected (up to 30,000 ppb within the past year) in production well WW-1 and also on occasion lower levels of TPHd $\leq$ 120 ppb have been detected in monitoring well MW-3 located 10 to 20 feet downgradient from the tank pit and well WW-1, respectively, within the past year. Analysis for EPA method 8270 constituents was performed on groundwater samples collected from WW-1 and MW-3 in January 1996. All constituents for this analysis were non-detectable, including benzo(a)pyrene and naphthalene. In addition, based on the historical groundwater data to date, the dissolved hydrocarbon plume has not significantly migrated past the source area of contamination and is contained to the site.

No further investigations are recommended since this site appears to meet the San Francisco RWQCB's definition of a low risk groundwater case:

1. The source of contamination was abated by removal of the UST, contaminated soil, and free phase product.

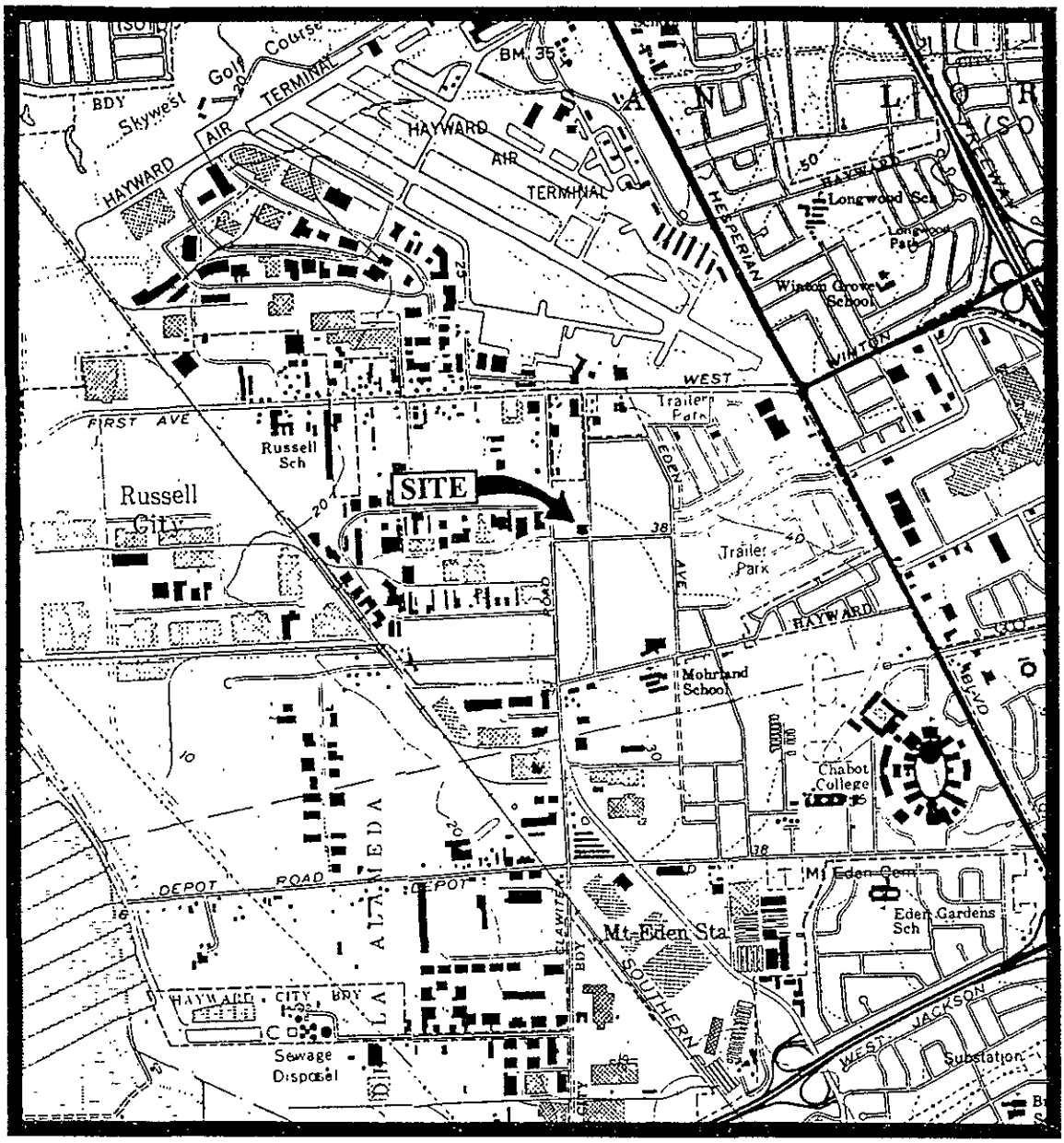
2. The extent of impact to soil and groundwater has been evaluated at this site by analysis of multiple soil and groundwater samples collected within the source area, as well as, upgradient, crossgradient, and downgradient locations.

3. Analytical groundwater data collected over a three year period has shown that the dissolved hydrocarbon plume is not significantly migrating and appears to be contained within a 40-foot radius from the former tank pit.

4. Based on groundwater monitoring data, it appears that residential properties located upgradient and crossgradient from the source of contamination are not likely to be impacted. Because the contaminant plume has historically appeared to be stable within the site boundaries, no research was completed in regard to affects of off-site groundwater pumping. There are no surface water receptors in the area. According to research completed by Kaprealian Engineering, Inc., the production well WW-1 appears to be screened within the first encountered water bearing zone and will be destroyed as soon as case closure status is approved.

5. At this time, the area impacted by hydrocarbon contamination is located underneath a storage lot for abandoned vehicles. A human health risk analysis was not performed since contaminants of concern (i.e., benzene, benzo(a)pyrene, and naphthalene) were not identified in soil or groundwater even though TPHd is still found in significant quantities.

6. Since it appears that site specific exposure pathways will not affect any currently recognized sensitive ecological receptors, an environmental risk analysis was not performed.



Base modified from 7.5 minute U.S.G.S.
Hayward & San Leandro Quadrangles
(both photorevised 1980)

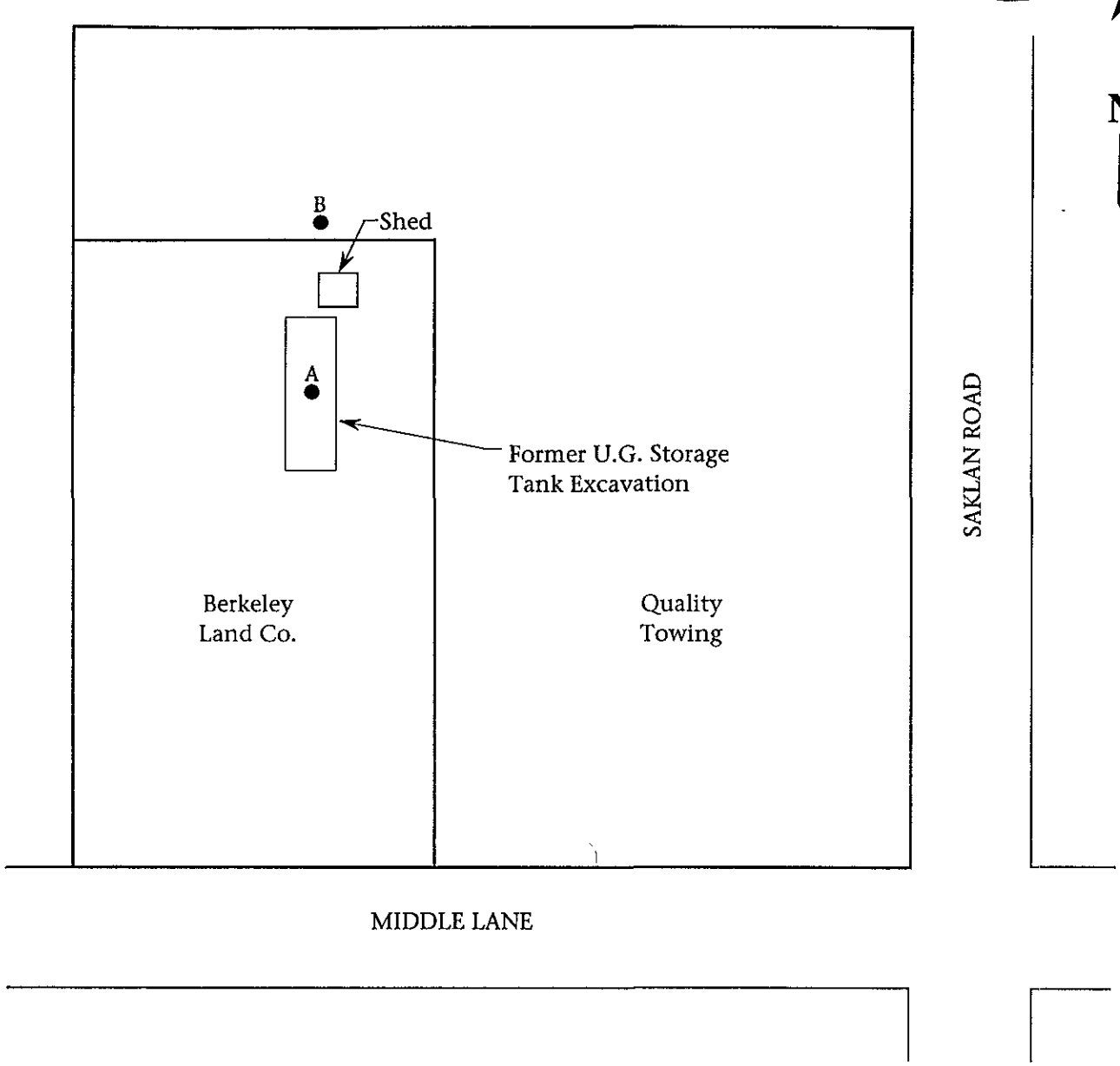
0 2000 4000
Approx. scale feet

KAPREALIAN ENGINEERING
INCORPORATED

BERKELEY LAND CO.
23555 SAKLAN ROAD
HAYWARD, CALIFORNIA

LOCATION MAP

(2)



LEGEND

● Exploratory boring

0 40 80

Approx. scale feet

EXPLORATORY BORING LOCATION MAP

KAPREALIAN ENGINEERING
INCORPORATED

BERKELEY LAND CO.
23555 SAKLAN ROAD
HAYWARD, CALIFORNIA

FIGURE
2

Berkeley Land Company
23555 Saklan Road
Hayward, California

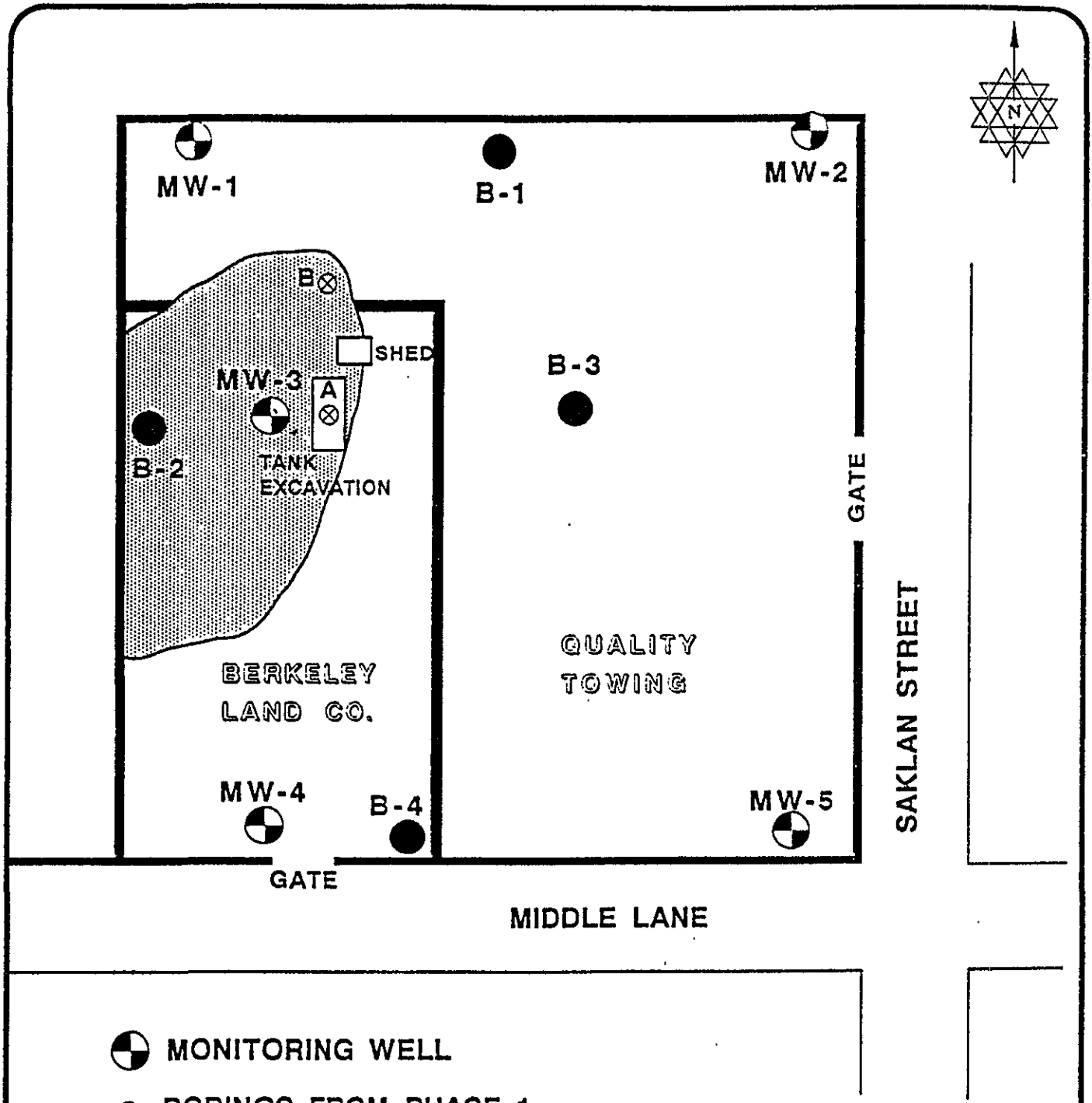
TABLE 1

. . ANALYTICAL RESULTS FROM SOIL SAMPLING CONDUCTED BY CEC DURING PHASE I OF THE PRELIMINARY ASSESSMENT

Sample Number	Drill Hole	TPH-G (ppm)	TPH-D (ppm)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylene (ppb)
BC-0227-A120	A	ND<10	40	ND<3	15	6	13
BC-0227-B163	B	ND<10	40	ND<3	ND<3	ND<3	ND<3
BC-0227-B186	B	ND<10	550	ND<3	MD<3	4	10

ND = Non-detectable.

Table adapted from CEC report dated October 10, 1990.



MONITORING WELL

⊗ BORINGS FROM PHASE 1

BORINGS FROM PHASE 2

SCALE: 1" = 40'

0 20 40 60

FEET

CERTIFIED

BERKELEY LAND CO.

FIGURE 4.2

SUSPECTED BOUNDARIES OF CONTAMINANT PLUME

9/90 KAL

89-57-237

Berkeley Land Company
23555 Saklan Road
Hayward, California

TABLE 2

SUMMARY OF THE ANALYTICAL RESULTS FROM THE SOIL SAMPLING CONDUCTED BY CEC DURING PHASE II

Drill Hole	Sample Number	Depth (feet)	TPH-G (ppm)	TPH-D (ppm)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylene (ppb)
B-1	S-1	4	N/A	N/A	N/A	N/A	N/A	N/A
B-1	S-2	6.5	N/A	N/A	N/A	N/A	N/A	N/A
B-1	S-3	10	N/A	N/A	N/A	N/A	N/A	N/A
B-1	S-4	15	ND<1	ND<10	ND<3	ND<3	ND<3	ND<3
B-2	S-1	10	ND<1	ND<10	ND<3	ND<3	ND<3	ND<3
B-2	S-2	15	ND<1	50	ND<3	ND<3	11	22
B-3	S-1	4.5	--	--	--	--	--	--
B-3	S-2	8.5	ND<1	ND<10	ND<3	ND<3	ND<3	ND<3
B-3	S-3	14.5	ND<1	ND<10	ND<3	ND<3	ND<3	ND<3
B-4	S-1	5	--	--	--	--	--	--
B-4	S-2	10	ND<1	ND<10	ND<3	ND<3	ND<3	ND<3
B-4	S-3	15	ND<1	ND<10	ND<3	ND<3	ND<3	ND<3
MW-1	S-1	4	--	--	--	--	--	--
MW-1	S-2	10	ND<1	ND<10	ND<3	ND<3	ND<3	ND<3
MW-1	S-3	11.5	ND<1	ND<10	ND<3	ND<3	ND<3	ND<3
MW-1	S-4	16.5	ND<1	ND<10	ND<3	ND<3	ND<3	ND<3
MW-1	S-5	21.5	ND<1	ND<10	ND<3	ND<3	ND<3	ND<3
MW-2	S-1	4	--	--	--	--	--	--
MW-2	S-2	6.5	--	--	--	--	--	--
MW-2	S-3(5-8)	11.5	ND<1	ND<10	ND<3	ND<3	ND<3	ND<3
MW-2	S-4(5-9)	16.5	ND<1	ND<10	ND<3	ND<3	ND<3	ND<3
MW-2	S-5(5-10)	21.5	ND<1	ND<10	ND<3	ND<3	ND<3	ND<3
MW-3	S-1	6.5	--	--	--	--	--	--

Berkeley Land Company
23555 Saklan Road
Hayward, California

TABLE 2 (Continued)

SUMMARY OF THE ANALYTICAL RESULTS FROM THE SOIL SAMPLING CONDUCTED BY CEC DURING PHASE II

Drill Hole	Sample Number	Depth (feet)	TPH-G (ppm)	TPH-D (ppm)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylene (ppb)
MW-3	S-2	10	ND<1	ND<10	ND<3	ND<3	ND<3	ND<3
MW-3	S-3	15	ND<1	250	4	6	12	58
MW-3	S-4	20	--	--	--	--	--	--
MW-4	S-1	4	--	--	--	--	--	--
MW-4	S-2	6.5	--	--	--	--	--	--
MW-4	S-3	11.5	ND<1	ND<10	ND<3	ND<3	ND<3	ND<3
MW-4	S-4	16.5	ND<1	ND<10	ND<3	ND<3	ND<3	ND<3
MW-4	S-5	21.5	ND<1	ND<10	ND<3	ND<3	ND<3	ND<3
MW-5	S-1	3	ND<1	ND<10	ND<3	ND<3	ND<3	ND<3
MW-5	S-2	6.5	--	ND<10	--	--	--	--
MW-5	S-3	10	ND<1	ND<10	ND<3	ND<3	ND<3	ND<3
MW-5	S-4	15.5	ND<1	ND<10	ND<3	ND<3	ND<3	ND<3
MW-5	S-5	20	--	ND<10	--	--	--	--

ND = Non-detectable.

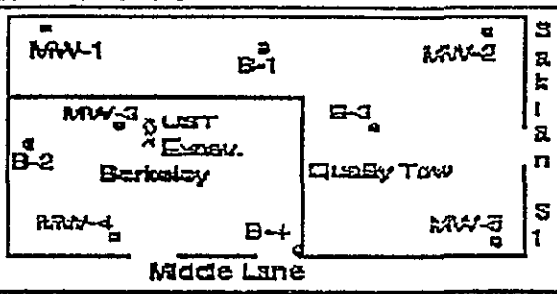
Table adapted from CEC report dated October 10, 1990.

KENT & KENT, INC.

KENT & KENT, INC.
Walnut Creek, California

GEOLOGIC LOG
SHEET 1 of 2

LOCATION SKETCH MAP:



Project No./Name:	Client:
C3017A/CEC-Berkeley Land Co.	Certified Env. Consulting
Project Location:	Drill Hole No.: MW-1
23555 Saklan St., Hayward, CA	
Drilling Co./Foreman:	Geologist:
Bay Land Drilling/Bob Rogers	R. Kent/S. Parker
Drilling Method/CS7/Rig:	Sampling Method(s):
10 " OD HSA/CME 75	2" SPT Brass Retainer

Drilling Start Date/Time:	Drilling End Date/Time:	Elevation:	Total Depth:	Surface Conditions:	Samples:
5/23/90 12:00	5/23/90 15:00	NA	28.5 feet	2" asphalt/cement	5 soil
Depth 1st Water Date/Time:	**Geophys. Logs:**	**Sec-Tws-Rng**	**Laboratory:**	**C-O-C Number:**	
14 (?) feet, 5/23/90 13:40	NA	NA	Superior	NA	

DEPTH (feet)	SAMPLE NO.	SPT	Time	HC Odor	USCS CLASS	NAME	DENSITY	COLOR	MOISTURE	REMARKS
1										
2					CL	Silty CLAY	very stiff	black	moist	fill?
3		5								
		5			—?—	—?—		—?—		
4	S-1	11	13:00	none				gry - brn		
					ML	Clayey SILT		—?—		
5										
		7								
6		7			—?—	—?—	—?—		—?—	
	S-2	9	13:15	none	SM	Silty fine SAND	medium dense	light yel brown	damp	
7										
8					—?—	—?—	—?—			
9										increasing clay content
10										
		3			SC	Clayey SAND to Silty fine SAND	loose			
11		4								
	S-3	6	13:30	none						
12										
13										
14										
15										
		6								
16		4								
	S-4	5	13:45	none						
17										
18										
19					—?—	—?—	—?—	—?—	—?—	
					ML	Clayey SILT	very stiff	medium brown	moist	
20										

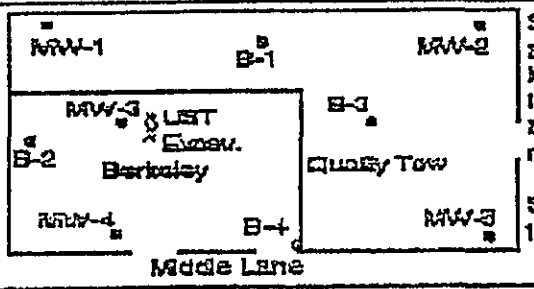
(OVER)

KENT & KENT, INC.

KENT & KENT, INC.
Walnut Creek, California

GEOLOGIC LOG
SHEET 2 of 2

LOCATION SKETCH MAP:



Project No./Name:	Client:
C9017A/CEC-Berkeley Land Co.	Certified Env. Consulting
Project Location:	Drill Hole No.: MW-1
23555 Saklan St., Hayward, CA	
Drilling Co./Foreman:	Geologist:
Bay Land Drilling/Bob Rogers	R. Kent/S. Parker
Drilling Method/C57/Rig:	Sampling Method(s):
10 " OD HSA/CME 75	2" SPT Brass Retainer

Drilling Start Date/Time:	Drilling End Date/Time:	Elevation:	Total Depth:	Surface Conditions:	Samples:
5/23/90 12:00	5/23/90 15:00	NA	28.5 feet	2" asphalt/cement	5 soil
Depth 1st Water Date/Time:	Geophys. Logs:	Sec-Tws-Rng	Laboratory:	C-O-C Number:	
14 (?) feet, 5/23/90 13:40	NA	NA	Superior	NA	

DEPTH (feet)	SAMPLE NO.	SPT	Time	HC Odor	USCS CLASS	NAME	DENSITY	COLOR	MOISTURE	REMARKS
21		4 6								(unit continued from prior sheet)
22	S-5	11	14:00	none	ML	Clayey SILT	very stiff	medium brown	moist	
23										
24										14:30, W.L. at 16.5 Ft
25										
26										
27										
28										
29	visual		14:45	none						backfilled with bentonite from 28.5 to 25.3 ft; installed well
30						TD =	28.5 Ft			
31										
32										
33										
34										
35										
36										
37										
38										
39										
40										

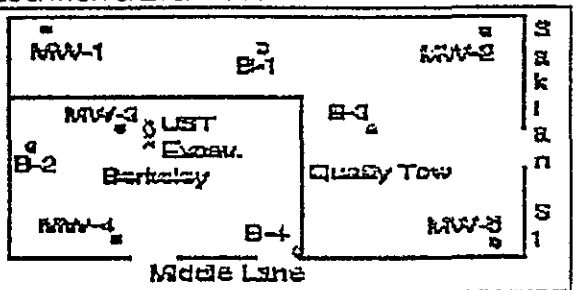
REGISTERED GEOLOGIST
RICHARD C. KENT
NO: 4231
STATE OF CALIFORNIA

KENT & KENT, INC.

KENT & KENT, INC.
Walnut Creek, California

GEOLOGIC LOG
SHEET 1 of 2

LOCATION SKETCH MAP:



Project No./Name:	Client:
C9017A/CEC-Berkeley Land Co.	Certified Env. Consulting
Project Location:	Drill Hole No.: MW-2
23555 Saklan St., Hayward, CA	
Drilling Co./Foreman:	Geologist:
Bay Land Drilling/Bob Parker	R. Kent/S. Parker
Drilling Method/CS7/Rig:	Sampling Method(s):
10 " OD HSA/CME 75	2" SPT Brass Retainer

Drilling Start Date/Time:	Drilling End Date/Time:	Elevation:	Total Depth:	Surface Conditions:	Samples:
5/22/90 09:45	5/22/90 12:00	NA	30.0 feet	2" asphalt	5 soil
Depth 1st Water Date:	**Geophys. Logs:**	**Sec-Tws-Rng**	**Laboratory:**	**C-O-C Number:**	
13.5 (?) feet, 5/22/90	NA	NA	Superior	NA	

DEPTH (feet)	SAMPLE NO.	SPT	Time	HC Odor	USCS CLASS	NAME	DENSITY	COLOR	MOISTURE	REMARKS
1					CL	CLAY	very stiff	dark brown	damp	mod. organic content
2										
3		10			—?—	—?—	—?—	—?—		
4	S-1	13	10:07	none						
5		13			SM	Silty SAND	medium dense	yellowish brown	—?—	sand unsorted to poorly sorted moderate silt content
6		8							moist	
7	S-2	11	10:14	none						
8		8			—?—	—?—		—?—		
9					SC	Clayey SAND		v. ligtht gray		
10					—?—	—?—		—?—		
11		6			SM	Silty SAND		yellowish brown		slight increase clay content
12	S-3	7	10:30	none						
13		8			—?—	—?—	—?—		—?—	
14									wet	vuggy appearance moderate silt
15									—?—	
16		2			SC	Clayey SAND	loose			
17	S-4	3	10:46	none					saturated	slighty silty
18		3								
19										increasing clay content unit change approx. 20-feet
20					—?—	—?—	—?—	—?—	—?—	

(OVER)

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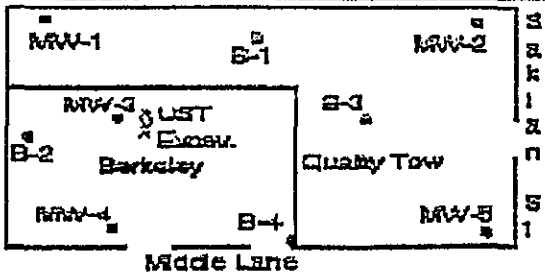
KENT & KENT, INC.
Walnut Creek, California

GEOLOGIC LOG
SHEET 2 of 2

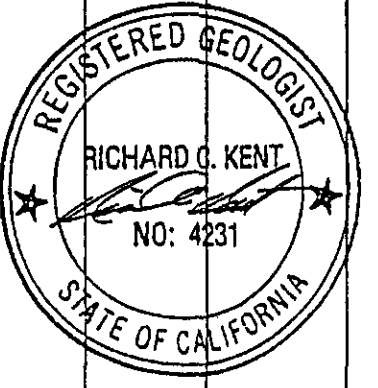
LOCATION SKETCH MAP:



Project No./Name:	Client:
C9017A/CEC-Berkeley Land Co.	Certified Env. Consulting
Project Location: 23555 Sakian St., Hayward, CA	Drill Hole No.: MW-2
Drilling Co./Foreman: Bay Land Drilling/Bob Parker	Geologist: R. Kent/S. Parker
Drilling Method/CS7/Rig: 10" OD HSA/CME 75	Sampling Method(s): 2" SPT Brass Retainer

Drilling Start Date/Time:	Drilling End Date/Time:	Elevation:	Total Depth:	Surface Conditions:	Samples:
5/22/90 09:45	5/22/90 12:00	NA	30.0 feet	2" asphalt	5 soil
Depth 1st Water Date:	Geophys. Logs:	Sec-Tws-Rng	Laboratory:	C-O-C Number:	
13.5 (?) feet, 5/22/90	NA	NA	Superior	NA	

DEPTH (feet)	SAMPLE NO.	SPT	Time	HC Odor	USCS CLASS	NAME	DENSITY	COLOR	MOISTURE	REMARKS
21		5			CL	Sandy	very stiff	medium	moist	moderately
		8				CLAY		gray		silty
	S-5	10	11:00	none						
22										
23					---?---	---?---	---?---	---?---		*Clayey SAND*
					SC	Cly SAND	loose?	yel-brwn	wet?	interbeds?,
24					---?---	---?---	---?---	---?---	---?---	approx. 4-6"?
										thick
25										sand heave
					CL-CH	Sandy	very stiff	medium	moist	mod. plastic
26						CLAY		gray		
					---?---	---?---	---?---	---?---	---?---	11:25, W.L. at
27					SC	Cly SAND	loose?	yel-brwn	wet?	18.0 Ft
		3			---?---	---?---	---?---	---?---	---?---	
28		7			CL	Sandy	very stiff	medium	moist	
	visual	10	11:55	none		CLAY		gray		
29										
30										
31					TD =	30.0 Ft				backfilled with
										bentonite from
32										30.0 to 27.5 ft;
										installed well
33										
34										
35										
36										
37										
38										
39										
40										



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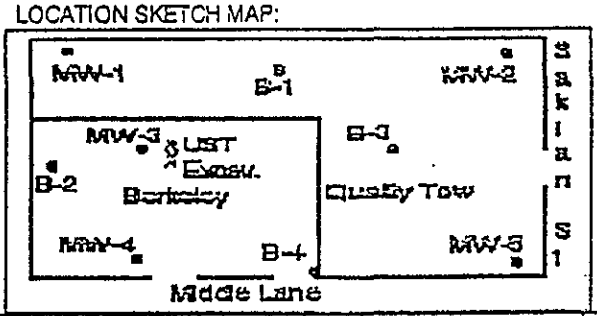
Walnut Creek, California

GEOLOGIC LOG
SHEET 1 of 2

LOCATION SKETCH MAP:



Project No./Name:	Client:
C9017A/CEC-Berkeley Land Co.	Certified Env. Consulting
Project Location:	Drill Hole No.: MW-3
23555 Saklan St., Hayward, CA	
Drilling Co./Foreman:	Geologist:
Bay Land Drilling/John Richardson	R. Kent/S. Parker
Drilling Method/C57/Rig:	Sampling Method(s):
10 " OD (ream) HSA/CME 55	2" SPT Brass Ret.; continuous

Drilling Start Date/Time:	Drilling End Date/Time:	Elevation:	Total Depth:	Surface Conditions:	Samples:
5/30/90 08:00	5/30/90 10:45	NA	25.0 feet	18" cement	4 soil
Depth 1st Water Date/Time:	Geophys. Logs:	Sec-Tws-Rng	Laboratory:	C-O-C Number:	
14.8 feet, 5/30/90 10:00	NA	NA	Superior	NA	

DEPTH (feet)	SAMPLE NO.	SPT	Time	HC Odor	USCS CLASS	NAME	DENSITY	COLOR	MOISTURE	REMARKS
1										
2								dark gray		
3					CL	CLAY	very stiff		moist	slightly silty mod. plastic
4								---?---		
5								olive gray		
6		9 11								
7	S-1	17	08:55	none	SW	SAND	loose	yellowish brown	damp	well sorted; very little clay
8					GP-GM	Sandy GRAVEL				<10% fines
9		3								
10	S-2	3 5	09:30	none	SW	SAND				
11					SC	Clayey SAND				12.3' - increase in sand size
12					---?---	---?---				
13				mod	SC-SW	Cse Clyey SAND		grayish olive		13.0 - begin soil contamination
14		3		strong	---?---	---?---			wet	
15	S-3	3 5	10:00		SC	Cly SAND			saturated	rainbow sheen on free water
16				very strong						
17										
18					CL	CLAY	stiff	yellowish brown	moist	mottled white and dark brown w/ angular blebs
19		5								
20	S-4	6 7	10:15	none				---?---		

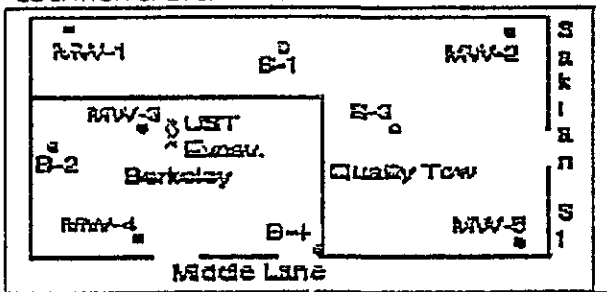
(OVER)

KENT & KENT, INC.

KENT & KENT, INC.
Walnut Creek, California

GEOLOGIC LOG
SHEET 2 of 2

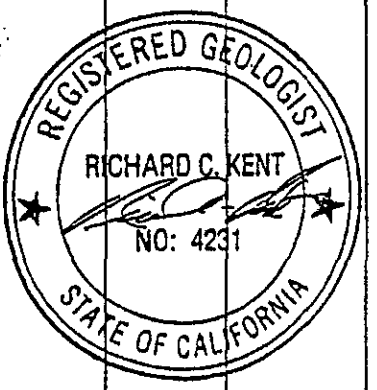
LOCATION SKETCH MAP:



Project No./Name:	Client:
C9017A/CEC-Berkeley Land Co.	Certified Env. Consulting
Project Location: 23555 Saklan St., Hayward, CA	Drill Hole No.: MW-3
Drilling Co./Foreman: Bay Land Drilling/John Richardson	Geologist: R. Kent/S. Parker
Drilling Method/C57/Rig: 10" OD (ream) HSA/CME 55	Sampling Method(s): 2" SPT Brass Ret.; continuous

Drilling Start Date/Time:	Drilling End Date/Time:	Elevation:	Total Depth:	Surface Conditions:	Samples:
5/30/90 08:00	5/30/90 10:45	NA	25.0 feet	18" cement	4 soil
Depth 1st Water Date/Time:	Geophys. Logs:	Sec-Tws-Rng	Laboratory:	C-O-C Number:	
14.8 feet, 5/30/90 10:00	NA	NA	Superior	NA	

DEPTH (feet)	SAMPLE NO.	SPT	Time	HC Odor	USCS CLASS	NAME	DENSITY	COLOR	MOISTURE	REMARKS
21								olive gray		unit change at 21.1 ft.
22										
23										
24		3			SC	Clayey SAND	loose	yellowish brown	moist	mottled
25	visual	3 5	10:45	none						
26					TD =	25.0 Ft				backfilled with bentonite from 25.0 to 20.5 ft; installed well
27										
28										
29										
30										
31										
32										
33										
34										
35										
36										
37										
38										
39										
40										



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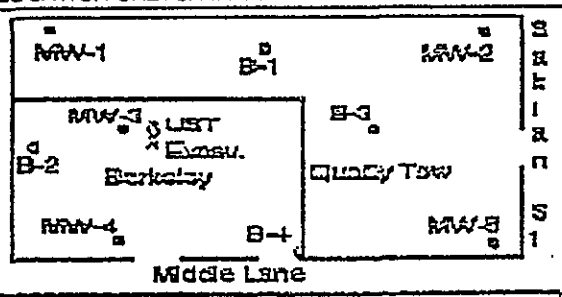
Walnut Creek, California

GEOLOGIC LOG
SHEET 1 of 2

LOCATION SKETCH MAP:



Project No./Name:	Client:
C9017A/CEC-Berkeley Land Co.	Certified Env. Consulting
Project Location:	Drill Hole No.: MW-4
23555 Saklan St., Hayward, CA	
Drilling Co./Foreman:	Geologist:
Bay Land Drilling/Bob Rogers	R. Kent/S. Parker
Drilling Method/C57/Rig:	Sampling Method(s):
10 " OD HSA/CME 75	2" SPT Brass Retainer

Drilling Start Date/Time:	Drilling End Date/Time:	Elevation:	Total Depth:	Surface Conditions:	Samples:
5/23/90 07:15	5/23/90 09:20	NA	27.5 feet	14" cement	5 soil
Depth 1st Water Date/Time:	Geophys. Logs:	Sec-Tws-Rng	Laboratory:	C-O-C Number:	
16 (?) feet, 5/23/90 09:45	NA	NA	Superior	NA	

DEPTH (feet)	SAMPLE NO.	SPT	Time	HC Odor	USCS CLASS	NAME	DENSITY	COLOR	MOISTURE	REMARKS
1						SILT		black	moist	asphaltic material under cement
2						——?——		——?——		
3		2								
		4		none	ML	Clayey	medium	dark		
4	S-1	7	07:45			SILT	stiff	brown		
					—?—	——?——		——?——	—?——	
5								black		
		5						——?——		
6		5								
	S-2	8	08:00	none	SW-SC	silty- clayey	medium	yellow	damp	moderate clay mod-poorly sorted
7						SAND	dense	brown		
8										
9										
10										
		3								
11		5								
	S-3	7	08:17	none						decrease clay content
12									——?——	
13									wet	
14										
15					—?—	——?——	——?——	——?——	——?——	
		5								
16		5								
	S-4	4	08:31	none	SP-SM	Cse Sand	loose	medium	saturated	
17						w/GRAVEL		brown		
					—?—	——?——	——?——	——?——	——?——	
18										
					CL	fn sandy	medium	lt yellow	wet -	med. plastic slight silty
19						CLAY	stiff	brown	moist	
								——?——		
20								gry-brwn	——?——	

(OVER)

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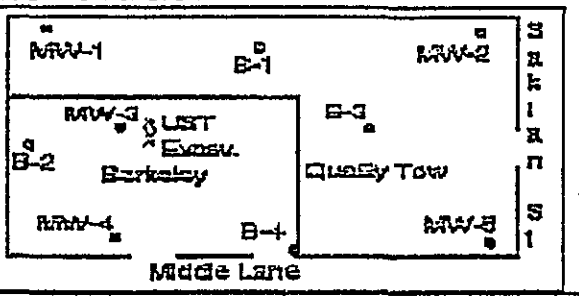
Walnut Creek, California

GEOLOGIC LOG
SHEET 2 of 2

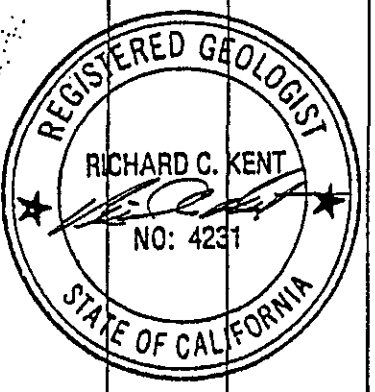
LOCATION SKETCH MAP:



Project No./Name:	Client:
C9017A/CEC-Berkeley Land Co.	Certified Env. Consulting
Project Location:	Drill Hole No.: MW-4
23555 Saklan St., Hayward, CA	
Drilling Co./Foreman:	Geologist:
Bay Land Drilling/Bob Rogers	R. Kent/S. Parker
Drilling Method/C57/Rig:	Sampling Method(s):
10 " OD HSA/CME 75	2" SPT Brass Retainer

Drilling Start Date/Time:	Drilling End Date/Time:	Elevation:	Total Depth:	Surface Conditions:	Samples:
5/23/90 07:15	5/23/90 09:20	NA	27.5 feet	14" cement	5 soil
Depth 1st Water Date/Time:	Geophys. Logs:	Sec-Tws-Rng	Laboratory:	C-O-C Number:	
16 (?) feet, 5/23/90 09:45	NA	NA	Superior	NA	

DEPTH (feet)	SAMPLE NO.	SPT	Time	HC Odor	USCS CLASS	NAME	DENSITY	COLOR	MOISTURE	REMARKS
21		4 3						—?—		
22	S-5	4	09:02	none						
23					CL-CH	silty CLAY		yellowish brown	moist	med - high plastic
24										
25										
26										
27										
28					TD =	27.5 Ft				installed well
29										
30										
31										
32										
33										
34										
35										
36										
37										
38										
39										
40										



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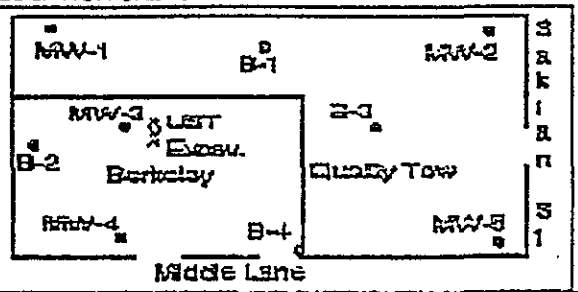
KENT & KENT, INC.
Walnut Creek, California

GEOLOGIC LOG
SHEET 1 of 2

LOCATION SKETCH MAP:



Project No./Name: C9017A/CEC-Berkeley Land Co.	Client: Certified Env. Consulting
Project Location: 23555 Saklan St., Hayward, CA	Drill Hole No.: MW-5
Drilling Co./Foreman: Bay Land Drilling/Bob Rogers	Geologist: R. Kent/S. Parker
Drilling Method/C57/Rig: 10" OD HSA/CME 75	Sampling Method(s): 2" SPT Brass Retainer

Drilling Start Date/Time:	Drilling End Date/Time:	Elevation:	Total Depth:	Surface Conditions:	Samples:
5/21/90 09:30	5/21/90 12:00	NA	31.5 feet	2" asphalt	5 soil
Depth 1st Water Date/Time:	**Geophys. Logs:**	**Sec-Tws-Rng**	**Laboratory:**	**C-O-C Number:**	
14.7 feet, 5/21/90 11:30	NA	NA	Superior	NA	

DEPTH (feet)	SAMPLE NO.	SPT	Time	HC Odor	USCS CLASS	NAME	DENSITY	COLOR	MOISTURE	REMARKS
1						Sand		dark brown		
2		7								
3	S-1	10 15	10:00	none	?-	?-	?-	?-		
4										
5										
6		12 12								
7	S-2	7	10:12	none						
8					SC	Clayey SAND	medium dense	yellow brown	moist	fine grained
9		4								
10	S-3	7 7	10:33	none						
11										
12					?-	?-	?-			
13										
14									?-	
15		3 2								
16	S-4	3	10:55	none	SC	Clayey SAND to Sandy CLAY	medium dense to very stiff		saturated	
17										
18					?-	?-	?-		?-	
19		5								
20	S-5	8 11	11:20	none	CL	CLAY	very stiff		moist	

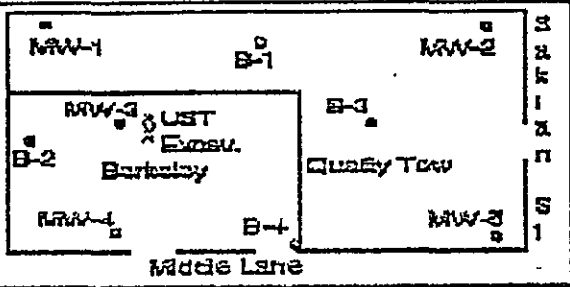
(OVER)

KENT & KENT, INC.

KENT & KENT, INC.
Walnut Creek, California

GEOLOGIC LOG
SHEET 2 of 2

LOCATION SKETCH MAP:

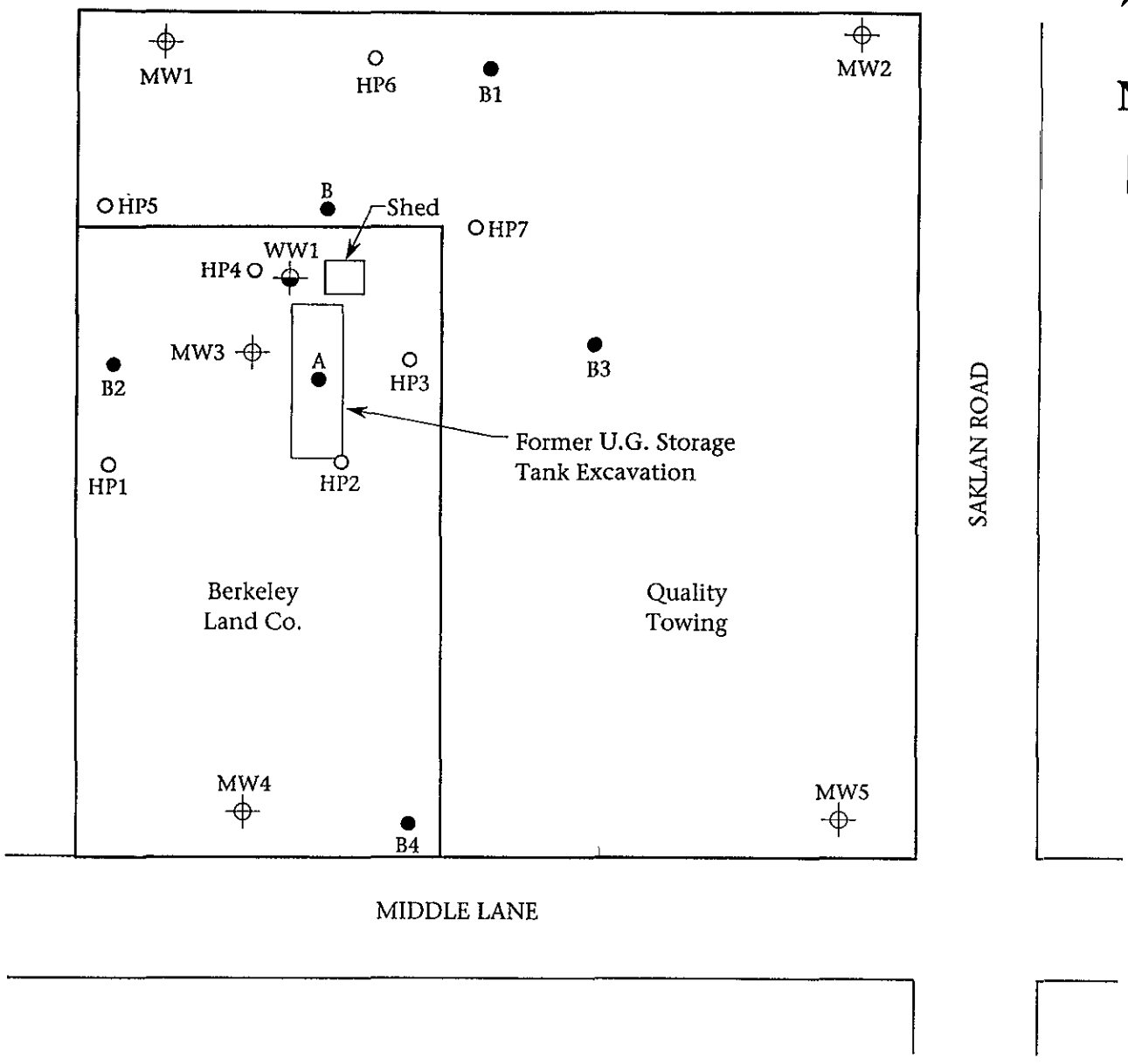


Project No./Name:	Client:
C9017A/CEC-Berkeley Land Co.	Certified Env. Consulting
Project Location:	Drill Hole No.: MW-5
23555 Saklan St., Hayward, CA	
Drilling Co./Foreman:	Geologist:
Bay Land Drilling/Bob Rogers	R. Kent/S. Parker
Drilling Method/C57/Rig:	Sampling Method(s):
10 " OD HSA/CME 75	2" SPT Brass Retainer

Drilling Start Date/Time:	Drilling End Date/Time:	Elevation:	Total Depth:	Surface Conditions:	Samples:
5/21/90 09:30	5/21/90 12:00	NA	31.5 feet	2" asphalt	5 soil
Depth 1st Water Date/Time:	**Geophys. Logs:**	**Sec-Tws-Rng**	**Laboratory:**	**C-O-C Number:**	
14.7 feet, 5/21/90 11:30	NA	NA	Superior	NA	

DEPTH (feet)	SAMPLE NO.	SPT	Time	HC Odor	USCS CLASS	NAME	DENSITY	COLOR	MOISTURE	REMARKS
21										
22					CL	CLAY	very stiff	yellow brown	moist	
23										
24										
25										
26										
27										
28										
29										
30										
31	visual		12:00	none						
32					TD =	31.5 Ft				backfill with bentonite from 31.5 to 21.2; installed well
33										
34										
35										
36										
37										
38										
39										
40										

REGISTERED GEOLOGIST
RICHARD C. KENT
NO: 4231
STATE OF CALIFORNIA



LEGEND

- Monitoring well
- Exploratory boring
- Exploratory boring in conjunction with a Hydropunch study
- Water well

0 40 80

Approx. scale feet

MONITORING WELL AND EXPLORATORY BORING LOCATION MAP

KAPREALIAN ENGINEERING
INCORPORATED

BERKELEY LAND CO.
23555 SAKLAN ROAD
HAYWARD, CALIFORNIA

FIGURE
3

Berkeley Land Company
23555 Saklan Road
Hayward, California

TABLE 3

SUMMARY OF LABORATORY ANALYSES
SOIL

Date	Sample Number	TPH as Diesel	TPH as Gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes
6/01/93 & 6/02/93	HP1(5)	11	1.5	0.067	0.0072	ND	ND
	HP1(10)	ND	1.4	0.070	0.0064	ND	ND
	HP1(11.5	ND	1.5	0.076	0.010	ND	ND
	HP2(5)	ND	1.6	0.077	0.014	ND	ND
	HP2(10)	ND	1.4	0.068	0.010	ND	ND
	HP2(12)	ND	1.4	0.065	0.0076	ND	ND
	HP3(5)	ND	1.4	0.070	0.0077	ND	ND
	HP3(10)	ND	1.5	0.066	ND	ND	ND
	HP3(12)	ND	1.8	0.065	0.0074	ND	ND
	HP4(5)	ND	3.1	0.075	0.011	ND	ND
	HP4(10)	ND	1.9	0.074	0.0095	ND	ND
	HP4(12)	ND	1.4	0.075	0.0096	ND	ND
	HP5(55)	ND	ND	0.071	ND	ND	ND
	HP5(10)	ND	1.7	0.076	0.0067	ND	ND
	HP5(12)	ND	3.1	0.065	0.0063	ND	0.0056
	HP6(5)	ND	6.8	0.058	0.052	0.034	0.13
	HP6(10)	ND	1.6	0.063	0.0061	ND	ND
	HP6(13.5)	ND	1.4	0.064	ND	ND	ND
	HP7(5)	ND	1.5	0.069	0.0052	ND	ND
	HP7(10)	ND	1.8	0.065	0.012	ND	ND
	HP7(12.5)	ND	1.5	0.065	ND	ND	ND

NOTE: The soil samples were collected at the depths below grade indicated in the ( ) of the respective sample number.

ND = Non-detectable.

Results are in milligrams per kilogram (mg/kg), unless otherwise indicated.

Berkeley Land Company
23555 Saklan Road
Hayward, California

TABLE 4

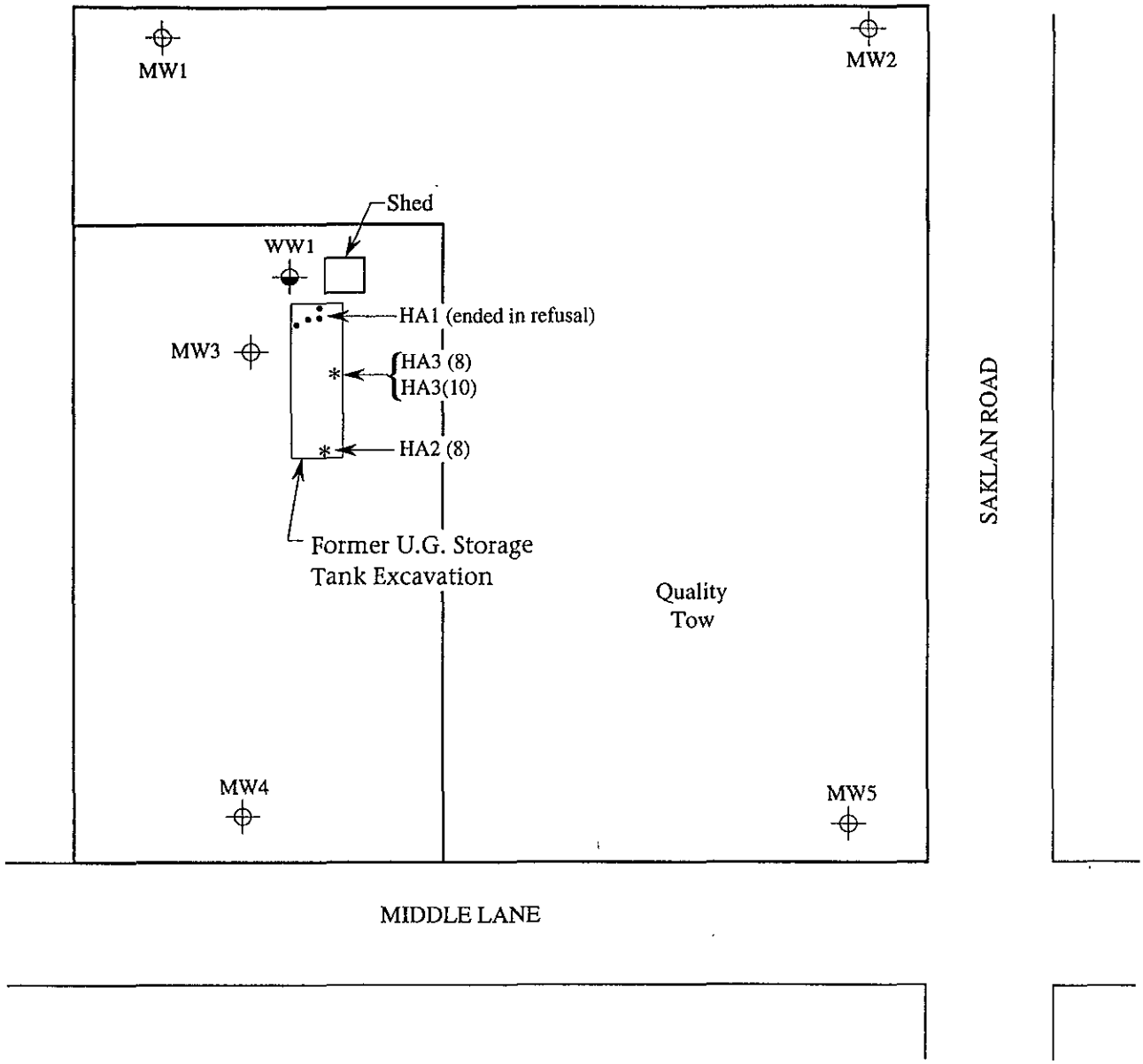
SUMMARY OF LABORATORY ANALYSES
WATER

Date	Sample Number	TPH as Diesel	TPH as Gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes
6/01/93 & 6/02/93	HP1	1,500	160*	ND	ND	ND	ND
	HP2	ND	ND	ND	ND	ND	ND
	HP3	80	ND	ND	ND	ND	ND
	HP4	59,000	390*	ND	ND	ND	ND
	HP5	120	ND	ND	ND	ND	ND
	HP6	ND	ND	ND	ND	ND	ND
	HP7	ND	ND	ND	ND	ND	ND

ND = Non-detectable.

* Sequoia Analytical Laboratory reported that the hydrocarbons detected did not appear to be gasoline.

Results are in micrograms per liter (μg/L), unless otherwise indicated.



LEGEND

- Monitoring well
- Water well
- * Soil sample point location

0 40 80

Approx. scale feet

SAMPLE POINT LOCATION MAP

KAPREALIAN ENGINEERING
INCORPORATED

BERKELEY LAND CO.
23555 SAKLAN ROAD
HAYWARD, CALIFORNIA

FIGURE
4

Berkeley Land Company
23555 Saklan Road
Hayward, California

TABLE 5

SUMMARY OF LABORATORY ANALYSES
SOIL

Date	Sample	Depth (feet)	TPH as Diesel	TPH as Gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes
9/01/95	HA2(8)	8	340	9.8*	ND	ND	ND	ND
	HA3(8)	8	ND	2.4*	ND	ND	ND	ND
	HA3(10)	10	360	9.2*	ND	ND	ND	ND

* Sequoia Analytical Laboratory reported that hydrocarbons detected did not appear to be gasoline.

ND = Non-detectable.

Results are in milligrams per kilogram (mg/kg), unless otherwise indicated.

Berkeley Land Company
23555 Saklan Road
Hayward, California

TABLE 6

SUMMARY OF LABORATORY ANALYSES
WATER

Date	Sample Well #	TPH as Diesel	TPH as Gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes
1/17/96	MW1	52♦♦	ND	ND	ND	ND	ND
	MW2	ND	ND	ND	ND	ND	ND
	MW3▼	120	ND	ND	ND	ND	ND
	MW4	ND	ND	ND	ND	ND	ND
	MW5	ND	ND	ND	ND	ND	ND
	WW1▼	8,400	ND	ND	ND	ND	ND
10/19/95	MW1	ND	ND	ND	ND	ND	ND
	MW2	ND	ND	ND	ND	ND	ND
	MW3	77	ND	ND	ND	ND	ND
	MW4	ND	ND	ND	ND	ND	ND
	MW5	ND	ND	ND	ND	ND	ND
	WW1	560	ND	ND	ND	ND	ND
7/26/95	MW1	ND	ND	ND	ND	ND	ND
	MW2	ND	ND	ND	ND	ND	ND
	MW3	ND	ND	ND	ND	ND	ND
	MW4	ND	ND	ND	ND	ND	ND
	MW5	ND	ND	ND	ND	ND	ND
	WW1	11,000	3,500*	ND	ND	ND	ND
4/21/95	MW1	ND	ND	ND	ND	ND	ND
	MW2	ND	ND	ND	ND	ND	ND
	MW3	75	ND	ND	ND	ND	ND
	MW4	ND	ND	ND	ND	ND	ND
	MW5	ND	ND	ND	ND	ND	ND
	WW1	3,100	86	ND	1.0	ND	2.9
1/18/95	MW1	ND	ND	ND	ND	ND	ND
	MW2	ND	ND	ND	ND	ND	ND
	MW3	82	ND	ND	ND	ND	ND
	MW4	ND	ND	ND	ND	ND	ND
	MW5	ND	ND	ND	ND	ND	ND
	WW1	30,000	410*	ND	ND	ND	ND
10/18/94	MW1	ND	ND	ND	ND	ND	ND
	MW2	ND	ND	ND	ND	ND	ND
	MW3	120	ND	ND	ND	ND	ND
	MW4	ND	ND	ND	ND	ND	ND
	MW5	ND	ND	ND	ND	ND	ND
	WW1	2,400	180*	ND	ND	ND	ND

Berkeley Land Company
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Hayward, California

TABLE 6 (Continued)

SUMMARY OF LABORATORY ANALYSES
WATER

Date	Sample Well #	TPH as Diesel	TPH as Gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes
7/13/94++ & 8/15/94	MW1	66♦♦	ND	ND	ND	ND	ND
	MW2	67♦♦	ND	ND	ND	ND	ND
	MW3	92♦♦	ND	ND	ND	ND	ND
	MW4	64♦♦	ND	ND	ND	ND	ND
	MW5	62♦♦	ND	ND	ND	ND	ND
	WW1	9,200	1,600*	ND	ND	ND	ND
1/20/94	MW1	73	ND	ND	ND	ND	ND
	MW2	ND	ND	ND	ND	ND	ND
	MW3	130	ND	ND	ND	ND	ND
	MW4	ND	ND	ND	ND	ND	ND
	MW5	340♦	ND	ND	ND	ND	ND
	WW1	190,000	34,000*	ND	ND	ND	ND
10/28/93	MW1	120♦	200*	1.8	ND	ND	ND
	MW2	ND	ND	ND	ND	ND	ND
	MW3	170	ND	ND	ND	ND	1.4
	MW4	ND	ND	ND	ND	ND	ND
	MW5	ND	ND	ND	ND	ND	ND
	WW1	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					
7/12/93+ & 8/20/93	MW1	200♦	150	1.1	ND	ND	0.51
	MW2	ND	ND	ND	ND	ND	ND
	MW3	ND	ND	ND	ND	ND	ND
	MW4	ND	ND	ND	ND	ND	ND
	MW5	ND	ND	ND	ND	ND	ND
	WW1	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					
2/25/93	MW1	5,900♦	4,600**	45	18	ND	750
	MW2	ND	ND	ND	ND	ND	ND
	MW3	200	ND	ND	ND	ND	ND
	MW4	ND	ND	ND	ND	ND	ND
	MW5	ND	ND	ND	ND	ND	ND
	WW1	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					

♦ Sequoia Analytical Laboratory reported that the hydrocarbons detected appeared to be a diesel and non-diesel mixture.

♦♦ Sequoia Analytical Laboratory reported that the hydrocarbons detected did not appear to be diesel.

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23555 Saklan Road
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TABLE 6 (Continued)

SUMMARY OF LABORATORY ANALYSES
WATER

▼ All EPA method 8270 (GC/MS) constituents were non-detectable.

* Sequoia Analytical Laboratory reported that the hydrocarbons detected did not appear to be gasoline.

** Sequoia Analytical Laboratory reported that the hydrocarbons detected appeared to be a gasoline and non-gasoline mixture.

+ Samples collected on July 12, 1993, were analyzed for TPH as gasoline and BTEX. Samples collected on August 20, 1993, were analyzed for TPH as diesel.

++ Samples collected on July 13, 1994, were analyzed for TPH as gasoline and BTEX, and for TPH as diesel for well WW1. Samples collected on August 15, 1994, were analyzed for TPH as diesel for wells MW1 through MW5.

ND = Non-detectable.

Results are in micrograms per liter (μg/L), unless otherwise indicated.

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ebruary 16, 1996

TABLE 1

SUMMARY OF MONITORING DATA

Well #	Ground Water Elevation (feet)	Depth to Water (feet)♦	Total Well Depth (feet)♦	Product Thickness (feet)	Sheen	Water Purged (gallons)	Product Purged (ounces)
(Monitored and Sampled on January 17, 1996)							
MW1	20.85	12.91	24.75	0	No	31	0
MW2	21.37	12.96	26.58	0	No	27	0
MW3	20.86	12.77	19.84	0	No	18.5	0
MW4	20.80	11.20	26.27	0	No	39.5	0
MW5	21.18	11.46	20.27	0	No	23	0
WW1	NA	13.26	42.27	0	No	169.5	0
(Monitored and Sampled on October 19, 1995)							
MW1	20.18	13.58	25.74	0	No	32	0
MW2	20.58	13.75	20.15	0	No	17	0
MW3	20.33	13.30	27.07	0	No	36	0
MW4	20.05	11.95	26.80	0	No	39	0
MW5	20.06	12.58	20.85	0	No	22	0
WW1	NA	13.35	41.00	0	No	162	0
(Monitored and Sampled on July 26, 1995)							
MW1	21.11	12.65	24.77	0	No	32	0
MW2	21.53	12.80	26.70	0	No	37	0
MW3	21.08	12.55	19.85	0	No	20	0
MW4	20.97	11.03	26.30	0	No	40	0
MW5	21.34	11.30	20.28	0	No	24	0
WW1	NA	13.00	42.40	0	No	180	0
(Monitored and Sampled on April 21, 1995)							
MW1	22.28	11.48	24.78	0	No	35	0
MW2	22.86	11.47	26.58	0	No	40	0
MW3	22.29	11.34	19.84	0	No	21	0
MW4	22.16	9.84	26.28	0	No	43	0
MW5	22.62	10.02	20.24	0	No	27	0
WW1	NA	11.81	45.02	0	No	194	<1*