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KAPREALIAN ENGINEERING
INCORPORATED

ALCO
HAZMAT

94 SEP 19 AM 8:40

September 14, 1994

Alameda County Health Care Services
1131 Harbor Way Parkway
Alameda, CA 94501

Attention: Ms. Cynthia Chapman

RE: Berkeley Land Company
23555 Saklan Road
Hayward, California

Dear Ms. Chapman:

Per the request of Paradiso Mechanical, Inc. enclosed please find our report dated September 12, 1994, for the above referenced site.

If you should have any questions, please feel free to call our office at (510) 602-5100.

Sincerely,

Kaprealian Engineering, Inc.

Judy A. Dewey

jad\82

Enclosure

cc: Paradiso Mechanical, Inc.

2401 Stanwell Drive, Suite 400
Concord, California 94520
Tel: 510.602.5100 Fax: 510.687.0602

KAPREALIAN ENGINEERING
INCORPORATED

KEI-P88-1110.QR4
September 12, 1994

Berkeley Land Company
4550 San Pablo Avenue
Emeryville, CA 94608

Attention: Mr. Norm Alberts

RE: Quarterly Report
Berkeley Land Company
23555 Saklan Road
Hayward, California

Dear Mr. Alberts:

This report presents the results of the most recent period of monitoring and sampling of the monitoring wells at the referenced site by Kaprealian Engineering, Inc. (KEI). All of the wells are currently monitored monthly and sampled on a quarterly basis. This report covers the work performed by KEI from February through August of 1994.

BACKGROUND

The subject site occupies the northeast corner of the intersection of Saklan Road and Middle Lane in Hayward, California, and is situated approximately two miles from the shores of the San Francisco Bay. The site is located in a mixed light industrial and residential area. A Location Map is attached to this report. A large part of the site is used by Quality Tow, an automobile towing operation, for the storage of used vehicles.

In June of 1988, an underground fuel storage tank was reportedly removed from the site. On February 27, 1990, and March 1, 1990, two exploratory borings were drilled at the site. During the drilling of the borings, a six-inch diameter water well was discovered adjacent to the former underground fuel storage tank pit. On May 30, 1990, four exploratory borings were drilled and five monitoring wells installed at the site. KEI's initial work at the site was conducted on February 25, 1993, when the five existing monitoring wells were monitored and sampled. On June 1 and 2, 1993, seven exploratory borings, in conjunction with a Hydropunch study, were drilled at the site. A total of 13 borings have been drilled and five monitoring wells have been installed at the site.

A site description, detailed background information including a summary of all of the soil and ground water subsurface investigation/remediation work conducted to date, site hydrogeologic conditions, and tables that summarize all of the soil and ground

2401 Stanwell Drive, Suite 400
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water sample analytical results are presented in KEI's report (KEI-P88-1110.R2) dated July 12, 1993.

RECENT FIELD ACTIVITIES

The five monitoring wells (MW1 through MW5) and the water well (WW1) were monitored seven times and were sampled twice during the recent period. The wells were inadvertently not sampled on April 14, 1994. One ounce of product was recovered from the skimmer in well WW1. During monitoring, the wells were checked for depth to water and the presence of free product. Prior to sampling, the wells were also checked for the presence of a sheen. No free product or sheen was noted in any of the wells during the recent period, except for sheen detected in the water well (WW1) twice. The monitoring data collected during the recent period are summarized in Table 1.

Ground water samples were collected from all of the wells on July 13 and August 15, 1994. Prior to sampling, the wells were each purged of between 16 and 110 gallons of water by the use of a surface pump. The samples were collected by the use of a clean Teflon bailer. The samples were decanted into clean VOA vials and/or one-liter amber bottles, as appropriate, which were then sealed with Teflon-lined screw caps, labeled, and stored in a cooler, on ice, until delivery to a state-certified laboratory.

HYDROLOGY

The measured depth to ground water at the site on August 15, 1994, ranged between 12.81 and 14.72 feet. The water levels in all of the wells have shown net decreases ranging from 0.03 to 0.11 feet since January 20, 1994. Based on the water level data gathered during the recent period, the ground water flow direction appeared to be predominantly to the west-southwest, as shown on the attached Potentiometric Surface Maps, Figures 1 through 7. The ground water flow direction has been predominantly to the southwest since the inception of the monitoring program in May of 1993 (five consecutive quarters). The average hydraulic gradient at the site on August 15, 1994, was approximately 0.002.

ANALYTICAL RESULTS

The ground water samples collected during the recent period were analyzed at Sequoia Analytical Laboratory and were accompanied by properly executed Chain of Custody documentation. The samples were analyzed for total petroleum hydrocarbons (TPH) as gasoline by EPA method 5030/modified 8015, TPH as diesel by EPA method 3510/modified 8015, and benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA method 8020.

The analytical results of all of the ground water samples collected from the wells to date are summarized in Table 2. The concentrations of TPH as gasoline, benzene, and TPH as diesel detected in the ground water samples collected during the recent period are shown on the attached Figure 8. Copies of the laboratory analytical results and the Chain of Custody documentation are attached to this report.

DISCUSSION

Due to the fact that the ground water flow direction has consistently been toward the southwest for the previous five quarters (over one hydrologic cycle), and free product is no longer detected at the site, KEI recommends a modification to the monitoring program. KEI recommends that the monitoring frequency be reduced from monthly to quarterly. In summary, the five monitoring wells (MW1 through MW5) and the water well (WW1) will be monitored and sampled on a quarterly basis. Ground water samples collected from the wells are analyzed for TPH as gasoline, TPH as diesel, and BTEX.

Free product had previously been consistently detected in the water well. KEI therefore installed a continuous, surface skimming, free product recovery device in the well. The skimmer is designed to continuously collect any free product present. Any free product collected is removed during the monthly monitoring events. A total of 13 ounces of free product were collected by the skimmer. However, during the recent six month period, no free product was detected in the water well.

Lastly, the analytical results of the ground water samples collected from WW1 for the three previous sampling events have indicated a significant reduction in the concentration of TPH as diesel. Therefore, KEI recommends that WW1 be purged of approximately 1,000 gallons of ground water on a one-time-only basis. Based on the analytical results of the subsequent sampling event, KEI may make additional recommendations.

DISTRIBUTION

A copy of this report should be sent to the Alameda County Health Care Services Agency, and to the RWQCB, San Francisco Bay Region.

LIMITATIONS

Environmental changes, either naturally-occurring or artificially-induced, may cause changes in ground water levels and flow paths, thereby changing the extent and concentration of any contaminants.

Our studies assume that the field and laboratory data are reasonably representative of the site as a whole, and assume that subsurface conditions are reasonably conducive to interpolation and extrapolation.

The results of this study are based on the data obtained from the field and laboratory analyses obtained from a state-certified laboratory. We have analyzed these data using what we believe to be currently applicable engineering techniques and principles in the Northern California region. We make no warranty, either expressed or implied, regarding the above, including laboratory analyses, except that our services have been performed in accordance with generally accepted professional principles and practices existing for such work.

If you have any questions regarding this report, please do not hesitate to call at (510) 602-5100.

Sincerely,

Kaprealian Engineering, Inc.

Sarkis A. Soghomonian
Project Engineer

Joel G. Greger, C.E.G.
Senior Engineering Geologist

License No. EG 1633
Exp. Date 8/31/96

Robert H. Kezerian
Project Manager

\jad

Attachments: Tables 1 & 2
Location Map
Potentiometric Surface Maps - Figures 1 through 7
Concentrations of Petroleum Hydrocarbons - Figure 8
Laboratory Analyses
Chain of Custody documentation

KEI-P88-1110.QR4
September 12, 1994

TABLE 1

SUMMARY OF MONITORING DATA

Well #	Ground Water Elevation (feet)	Depth to Water (feet)	Product Thickness (feet)	Sheen	Water Purged (gallons)	Product Purged (ounces)
(Monitored and Sampled on August 15, 1994)						
MW1	19.27	14.49	0	No	28	0
MW2	19.61	14.72	0	No	32	0
MW3	19.26	14.37	0	No	16	0
MW4	19.19	12.81	0	No	40	0
MW5	19.47	13.17	0	No	20	0
WW1	N/A	--	--	--	0	0
(Monitored and Sampled on July 13, 1994)						
MW1	19.66	14.10	0	No	28	0
MW2	20.02	14.31	0	No	32	0
MW3	19.65	13.98	0	No	20	0
MW4	19.57	12.43	0	No	40	0
MW5	19.86	12.78	0	No	25	0
WW1	N/A	14.46	0	Yes	110	0
(Monitored on June 15, 1994)						
MW1	19.98	13.78	0	--	0	0
MW2	20.34	13.99	0	--	0	0
MW3	19.95	13.68	0	--	0	0
MW4	19.87	12.13	0	--	0	0
MW5	20.18	12.46	0	--	0	0
WW1	N/A	14.16	0	--	0	0
(Monitored on May 19, 1994)						
MW1	20.33	13.43	0	--	0	0
MW2	20.76	13.57	0	--	0	0
MW3	20.33	13.30	0	--	0	0
MW4	20.25	11.75	0	--	0	0
MW5	20.61	12.03	0	--	0	0
WW1	N/A	13.76	0	--	0	<1*

TABLE 1 (Continued)

SUMMARY OF MONITORING DATA

Well #	Ground Water Elevation (feet)	Depth to Water (feet)	Product Thickness (feet)	Sheen	Water Purged (gallons)	Product Purged (ounces)
(Monitored on April 14, 1994)						
MW1	20.22	13.54	0	No	0	0
MW2	20.62	13.71	0	No	0	0
MW3	20.22	13.41	0	No	0	0
MW4	20.13	11.87	0	No	0	0
MW5	20.47	12.17	0	No	0	0
WW1	N/A	13.89	0	No	0	1*
(Monitored on March 15, 1994)						
MW1	20.52	13.24	0	No	0	0
MW2	20.95	13.38	0	No	0	0
MW3	20.51	13.12	0	No	0	0
MW4	20.42	11.58	0	No	0	0
MW5	20.79	11.85	0	No	0	0
WW1	N/A	13.60	0	Yes	0	0
(Monitored on February 15, 1994)						
MW1	19.93	13.83	0	--	0	0
MW2	20.35	13.98	0	--	0	0
MW3	19.96	13.67	0	--	0	0
MW4	19.86	12.14	0	--	0	0
MW5	20.19	12.45	0	--	0	0
WW1	N/A	14.17	0	--	0	0

Well #	Top of Casing Elevation in feet above Mean Sea Level (MSL)**
MW1	33.76
MW2	34.33
MW3	33.63
MW4	32.00
MW5	32.64

TABLE 1 (Continued)

SUMMARY OF MONITORING DATA

N/A = Not applicable.

--- Determination was not performed.

* Product was recovered from the skimmer.

** Based on Alameda County Benchmark located at Eden Avenue and West Street (elevation = 33.16 MSL).

KEI-P88-1110.QR4
September 12, 1994

TABLE 2

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					

TABLE 2 (Continued)

SUMMARY OF LABORATORY ANALYSES
WATER

♦ 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.

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

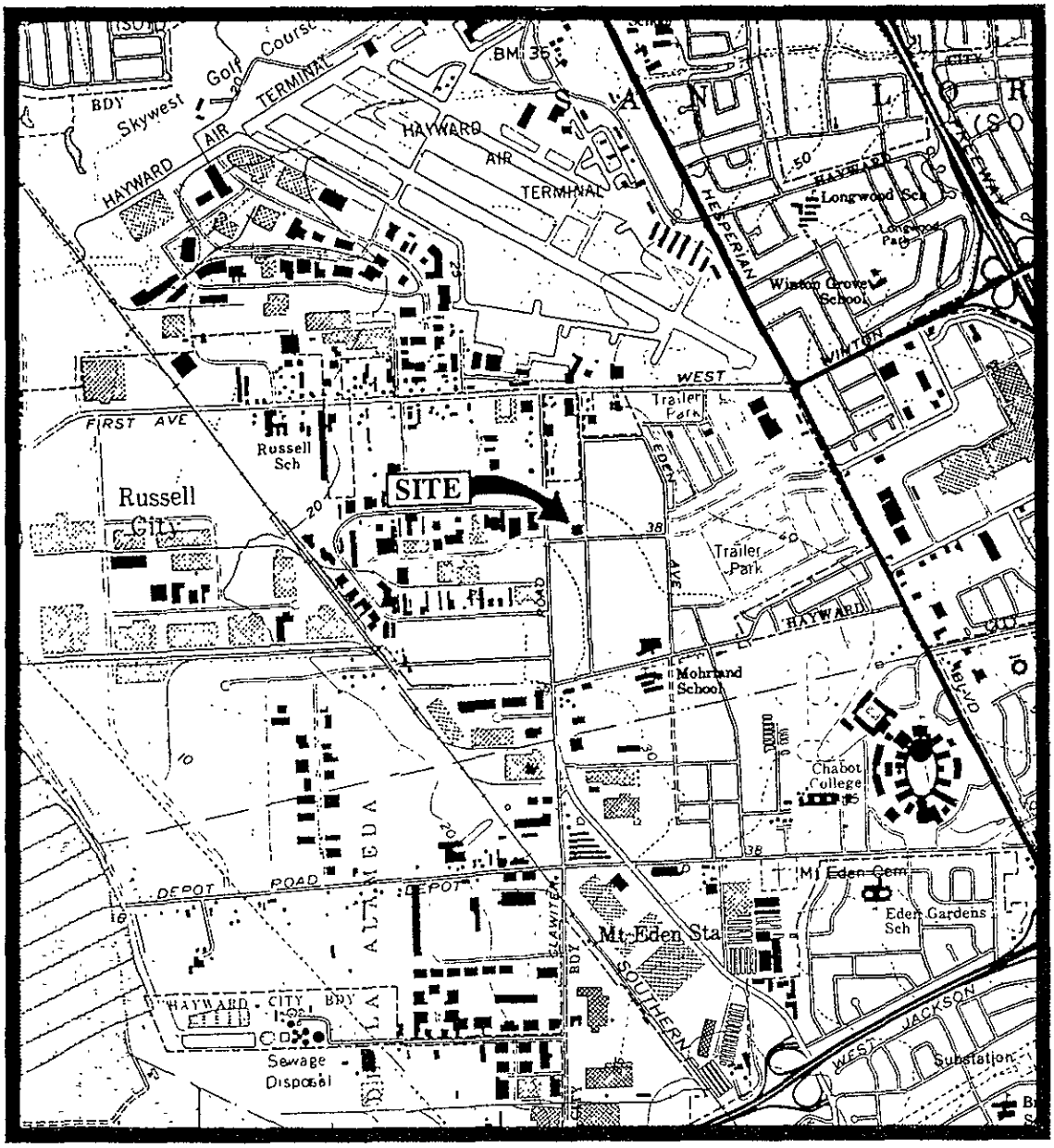
** Sequoia Analytical Laboratory reported that the hydrocarbons detected appeared to be a gasoline and non-gasoline mixture.

+ 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 parts per billion (ppb), unless otherwise indicated.



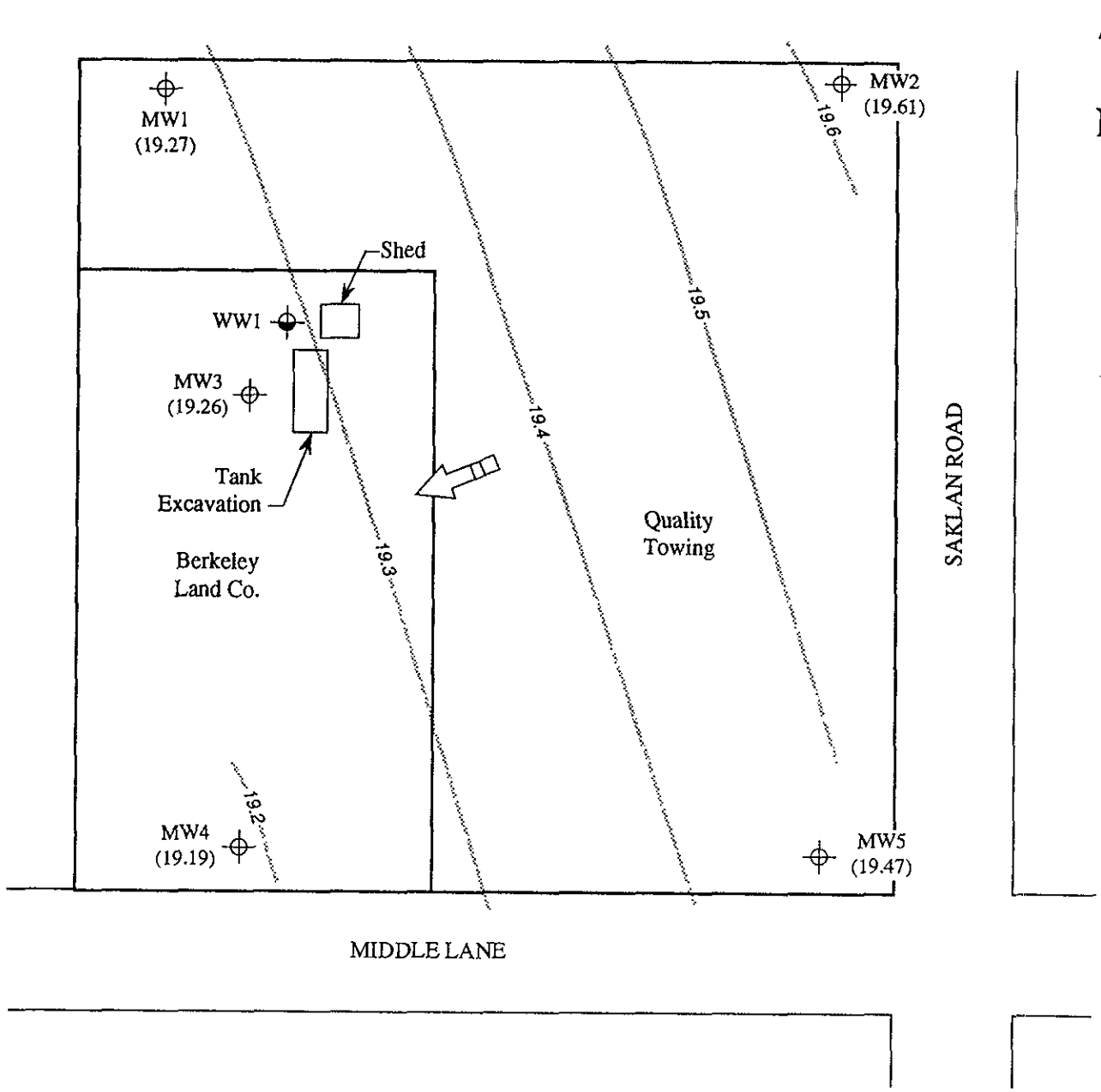
Base modified from 7.5 minute U.S.G.S.
Hayward & San Leandro Quadrangles
(both photorevised 1980)

0 2000 4000
Approx. scale feet

KAPREALIAN ENGINEERING
INCORPORATED

BERKELEY LAND CO.
23555 SAKLAN ROAD
HAYWARD, CALIFORNIA

LOCATION MAP



LEGEND

- Monitoring well
- Water well
- ( ) Ground water elevation in feet above Mean Sea Level
- Direction of ground water flow
- Contours of ground water elevation

0 40 80

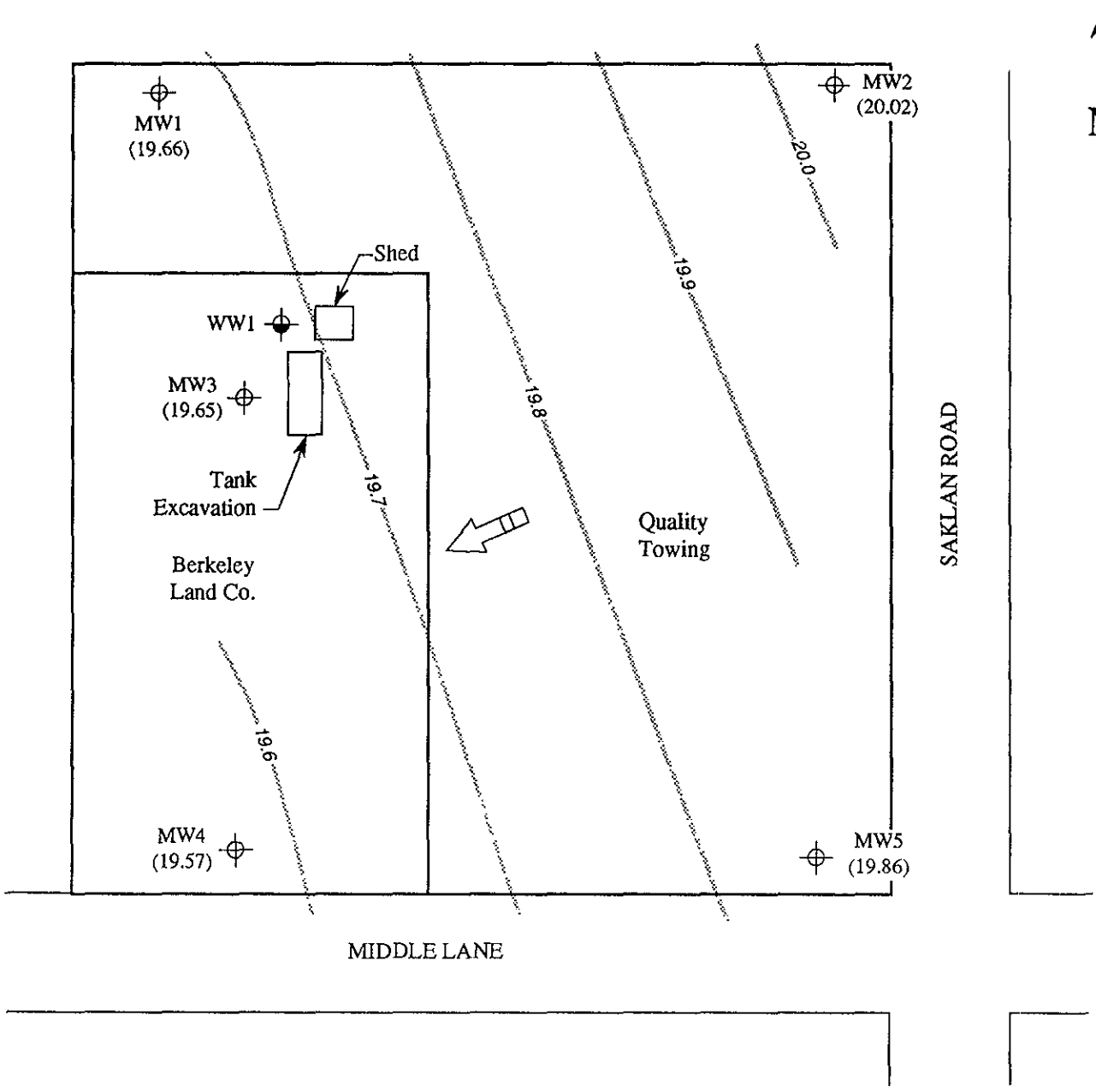
Approx. scale feet

POTENTIOMETRIC SURFACE MAP FOR THE AUGUST 15, 1994 MONITORING EVENT

KAPREALIAN ENGINEERING
INCORPORATED

BERKELEY LAND CO.
23555 SAKLAN ROAD
HAYWARD, CALIFORNIA

FIGURE
1



LEGEND

- Monitoring well
- Water well
- ( ) Ground water elevation in feet above Mean Sea Level
- Direction of ground water flow
- Contours of ground water elevation

0 40 80

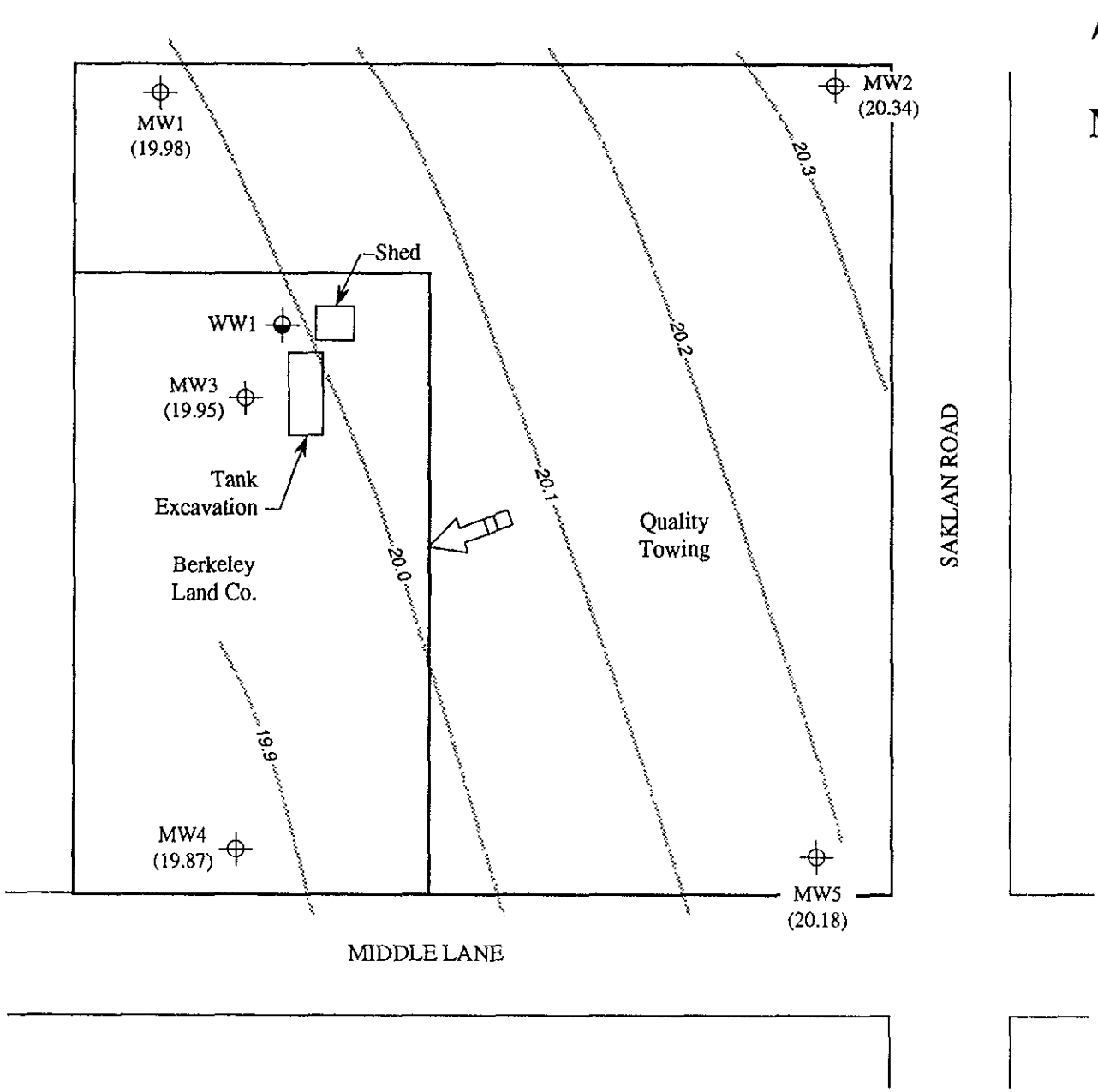
Approx. scale feet

POTENTIOMETRIC SURFACE MAP FOR THE JULY 13, 1994 MONITORING EVENT

KAPREALIAN ENGINEERING
INCORPORATED

BERKELEY LAND CO.
23555 SAKLAN ROAD
HAYWARD, CALIFORNIA

FIGURE
2



LEGEND

- Monitoring well
- Water well
- ( ) Ground water elevation in feet above Mean Sea Level
- Direction of ground water flow
- Contours of ground water elevation

0 40 80

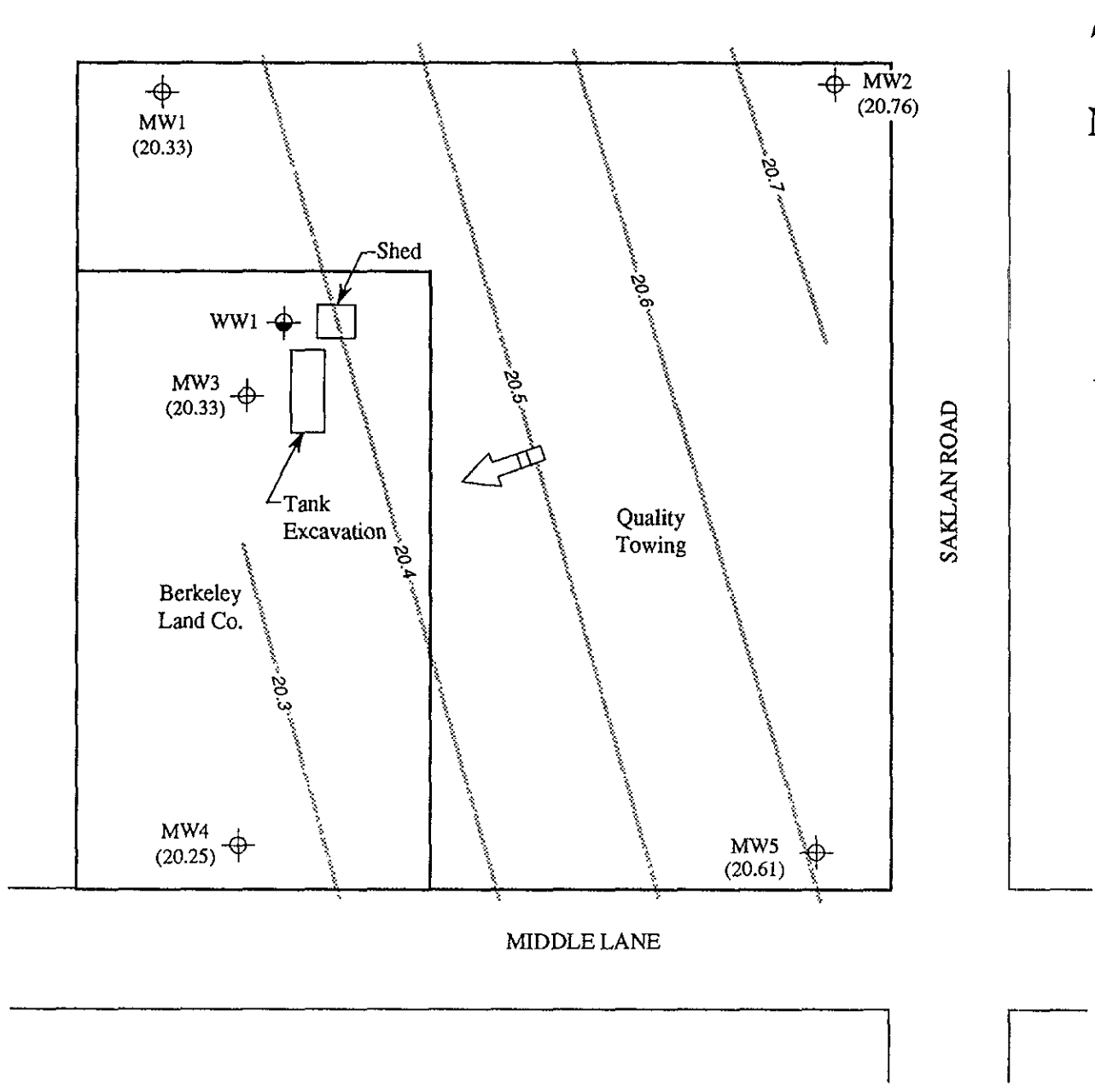
Approx. scale feet

POTENTIOMETRIC SURFACE MAP FOR THE JUNE 15, 1994 MONITORING EVENT

KAPREALIAN ENGINEERING
INCORPORATED

BERKELEY LAND CO.
23555 SAKLAN ROAD
HAYWARD, CALIFORNIA

FIGURE
3



LEGEND

- Monitoring well
- Water well
- ( ) Ground water elevation in feet above Mean Sea Level
- Direction of ground water flow
- Contours of ground water elevation

0 40 80

Approx. scale feet

POTENTIOMETRIC SURFACE MAP FOR THE MAY 19, 1994 MONITORING EVENT

KAPREALIAN ENGINEERING
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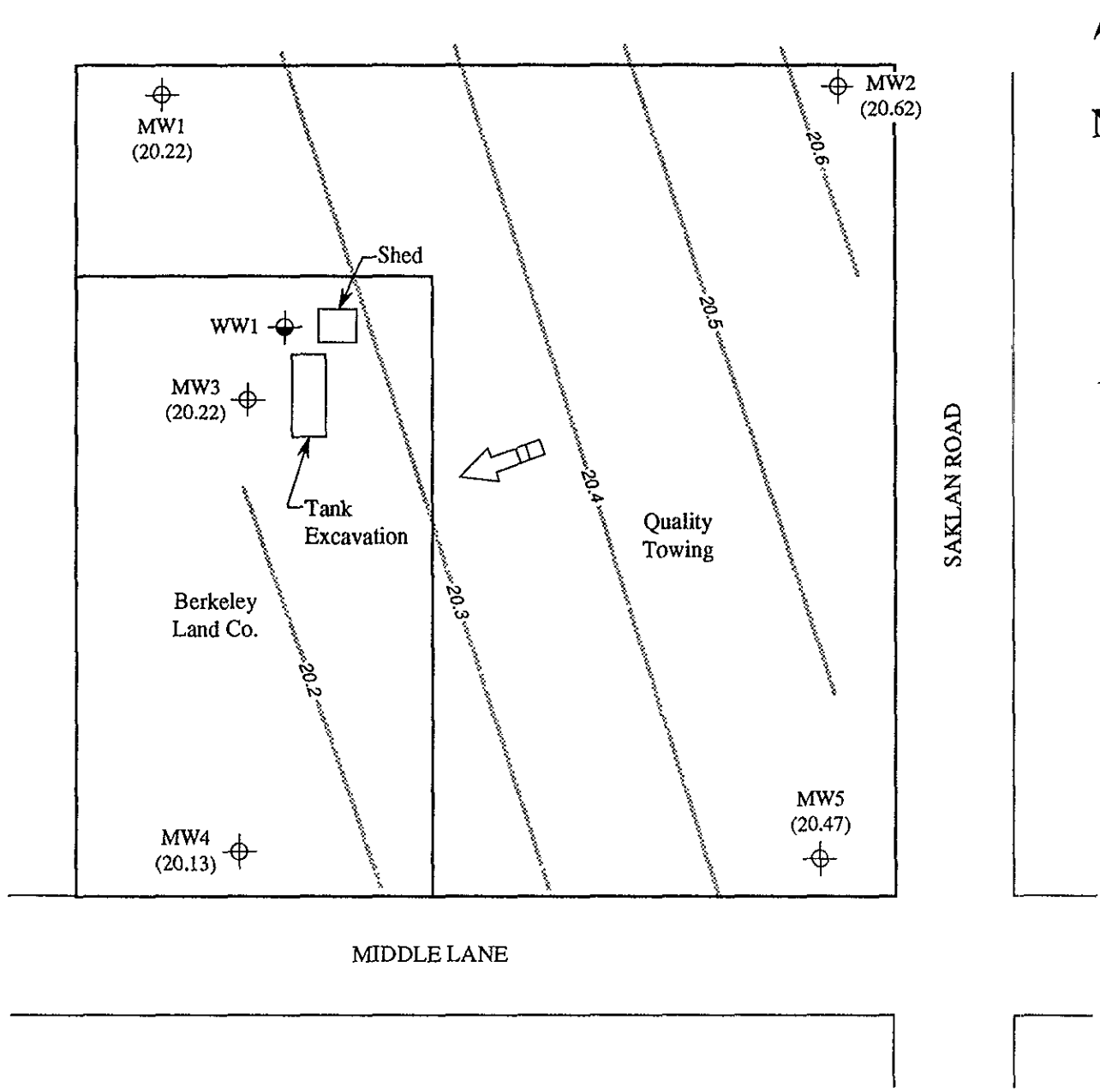
BERKELEY LAND CO.
23555 SAKLAN ROAD
HAYWARD, CALIFORNIA

FIGURE
4



LEGEND

- Monitoring well
- Water well
- ( ) Ground water elevation in feet above Mean Sea Level
- Direction of ground water flow
- Contours of ground water elevation

0 40 80

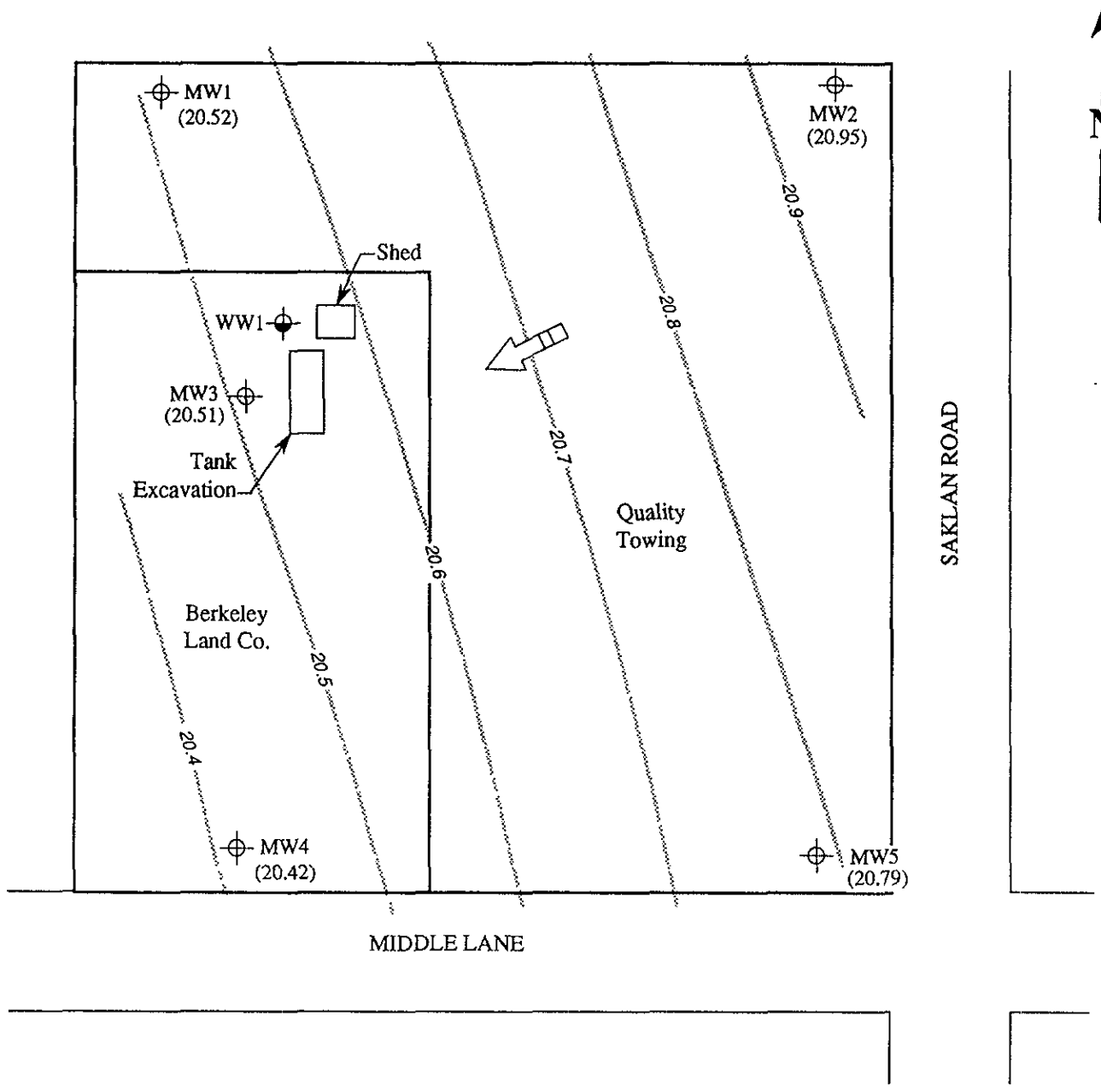
Approx. scale feet

POTENTIOMETRIC SURFACE MAP FOR THE APRIL 14, 1994 MONITORING EVENT

KAPREALIAN ENGINEERING
INCORPORATED

BERKELEY LAND CO.
23555 SAKLAN ROAD
HAYWARD, CALIFORNIA

FIGURE
5



LEGEND

- Monitoring well
- Water well
- ( ) Ground water elevation in feet above Mean Sea Level
- Direction of ground water flow
- Contours of ground water elevation

0 40 80

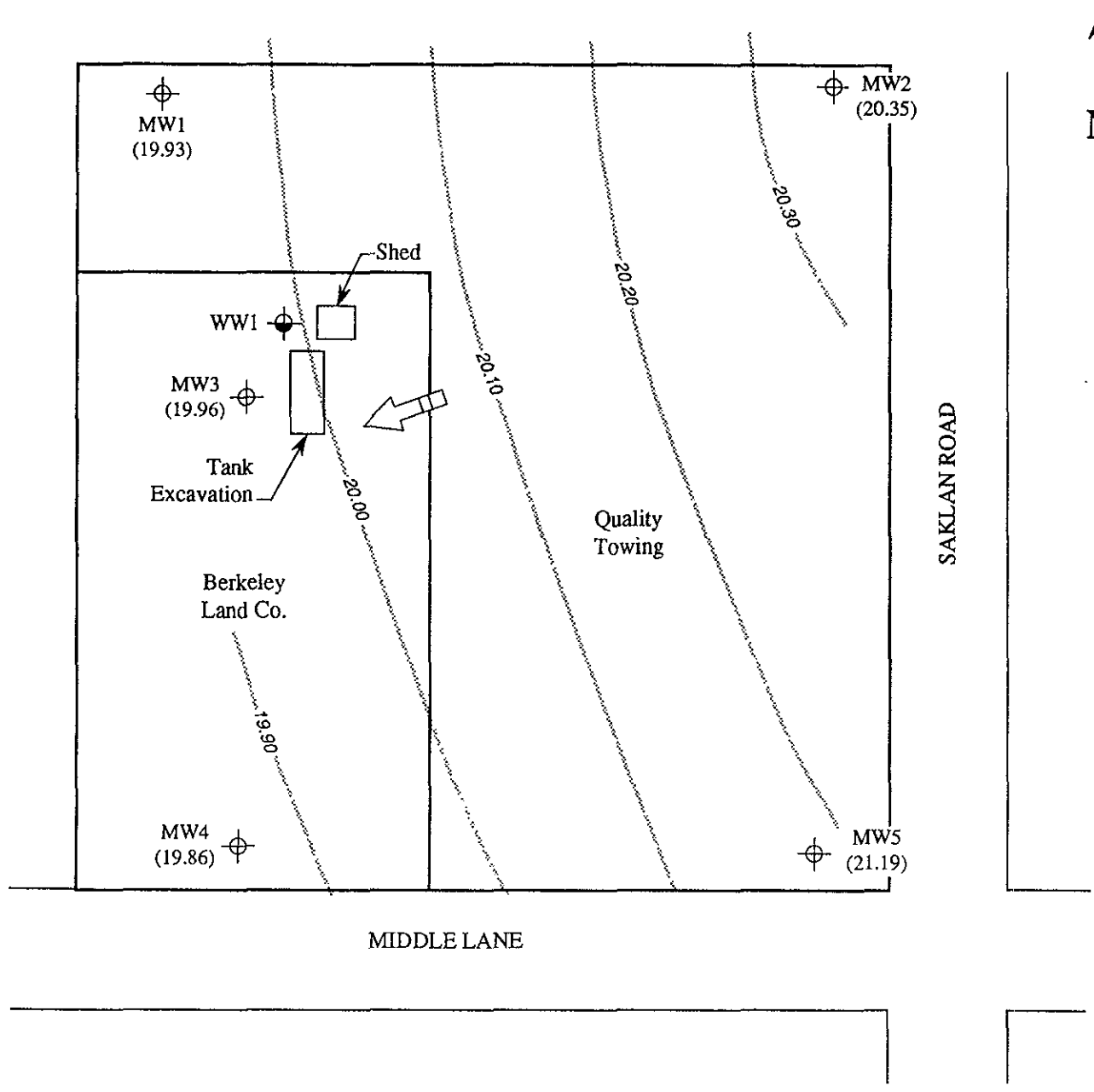
Approx. scale feet

POTENTIOMETRIC SURFACE MAP FOR THE MARCH 15, 1994 MONITORING EVENT

KAPREALIAN ENGINEERING
INCORPORATED

BERKELEY LAND CO.
23555 SAKLAN ROAD
HAYWARD, CALIFORNIA

FIGURE
6



LEGEND

- Monitoring well
- Water well
- ( ) Ground water elevation in feet above Mean Sea Level
- Direction of ground water flow
- Contours of ground water elevation

0 40 80

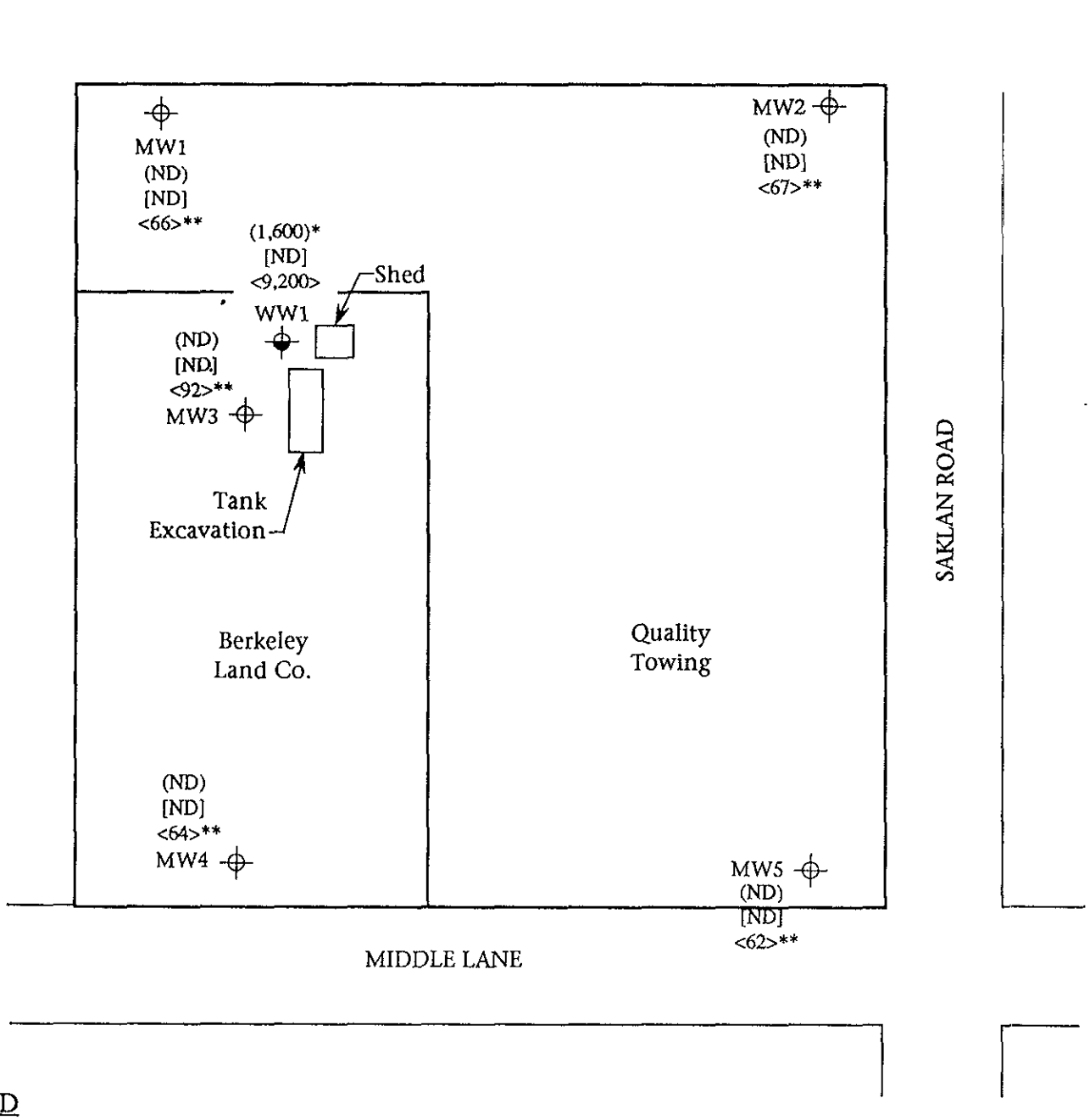
Approx. scale feet

POTENTIOMETRIC SURFACE MAP FOR THE FEBRUARY 15, 1994 MONITORING EVENT

KAPREALIAN ENGINEERING
INCORPORATED

BERKELEY LAND CO.
23555 SAKLAN ROAD
HAYWARD, CALIFORNIA

FIGURE
7



LEGEND

- ⊕ Monitoring well
- ⊕ Water well
- ( ) Concentration of TPH as gasoline in µg/L
- [ ] Concentration of benzene in µg/L
- < > Concentration of TPH as diesel in µg/L

ND = Non-detectable

* The lab reported that the hydrocarbons detected did not appear to be gasoline.

** The lab reported that the hydrocarbons detected did not appear to be diesel.

0 40 80

Approx. scale feet

PETROLEUM HYDROCARBON CONCENTRATIONS IN GROUND WATER ON JULY 13 AND AUGUST 15, 1994

KAPREALIAN ENGINEERING
INCORPORATED

BERKELEY LAND CO.
23555 SAKLAN ROAD
HAYWARD, CALIFORNIA

FIGURE
8

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Kaprealian Engineering, Inc.	Client Project ID:	Berkeley Farms, 23555 Saklay Road, Hayward	Sampled: Jul 13, 1994
2401 Stanwell Dr., Ste. 400	Sample Matrix:	Water	Received: Jul 14, 1994
Concord, CA 94520	Analysis Method:	EPA 5030/8015/8020	Reported: Jul 28, 1994
Attention: Avo Avedissian	First Sample #:	407-0688	

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 407-0688 MW1	Sample I.D. 407-0689 MW2	Sample I.D. 407-0690 MW3	Sample I.D. 407-0691 MW4	Sample I.D. 407-0692 MW5	Sample I.D. 407-0693 WW1*
Purgeable Hydrocarbons	50	N.D.	N.D.	N.D.	N.D.	N.D.	1,600
Benzene	0.50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Toluene	0.50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Ethyl Benzene	0.50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Total Xylenes	0.50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Chromatogram Pattern:		--	--	--	--	--	Unidentified Hydrocarbons >C10

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0	1.0	1.0	2.0
Date Analyzed:	7/26/94	7/26/94	7/27/94	7/26/94	7/26/94	7/27/94
Instrument Identification:	HP-4	HP-4	HP-4	HP-4	HP-4	HP-4
Surrogate Recovery, %: (QC Limits = 70-130%)	95	95	92	96	98	93

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Alan B. Kemp
Project Manager

Please Note:
* Unidentified Hydrocarbons appear to be due to TPH as Diesel.

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Kapreallan Engineering, Inc.	Client Project ID:	Berkeley Farms, 23555 Saklay Road, Hayward	Sampled: Jul 13, 1994
2401 Stanwell Dr., Ste. 400	Sample Matrix:	Water	Received: Jul 14, 1994
Concord, CA 94520	Analysis Method:	EPA 3510/3520/8015	Reported: Jul 28, 1994
Attention: Avo Avedissian	First Sample #:	407-0693	

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit µg/L	Sample I.D. 407-0693 WW1
Extractable Hydrocarbons	50	9,200
Chromatogram Pattern:		Diesel

Quality Control Data

Report Limit Multiplication Factor:	20
Date Extracted:	7/19/94
Date Analyzed:	7/23/94
Instrument Identification:	HP-3B

Extractable Hydrocarbons are quantitated against a fresh diesel standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Alan B. Kemp
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Kaprealian Engineering, Inc.
2401 Stanwell Dr., Ste. 400
Concord, CA 94520
Attention: Avo Avedissian

Client Project ID: Berkeley Farms, 23555 Saklay Road, Hayward
Matrix: Liquid
QC Sample Group: 4070688-693
Reported: Aug 1, 1994

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes	Diesel
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015 Mod.
Analyst:	A. Tuzon	A. Tuzon	A. Tuzon	A. Tuzon	K. Wimer
MS/MSD Batch#:	4070684	4070684	4070684	4070684	BLK071994
Date Prepared:	7/26/94	7/26/94	7/26/94	7/26/94	7/19/94
Date Analyzed:	7/26/94	7/26/94	7/26/94	7/26/94	7/21/94
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4	HP -3A
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	300 µg/L
Matrix Spike % Recovery:	85	90	90	93	88
Matrix Spike Duplicate % Recovery:	85	90	90	93	85
Relative % Difference:	0.0	0.0	0.0	0.0	3.5
LCS Batch#:	2LCS072694	2LCS072694	2LCS072694	2LCS072694	BLK071994
Date Prepared:	7/26/94	7/26/94	7/26/94	7/26/94	7/19/94
Date Analyzed:	7/26/94	7/26/94	7/26/94	7/26/94	7/21/94
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4	HP-3A
LCS % Recovery:	89	92	93	93	88
% Recovery Control Limits:	71-133	72-128	72-130	71-120	28-122

SEQUOIA ANALYTICAL, #1271

Alan B. Kemp
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

KAPREALIAN ENGINEERING INCORPORATED

CHAIN OF CUSTODY

SAMPLER	SITE NAME & ADDRESS	ANALYSES REQUESTED	TURN AROUND TIME:
J. Giddings	Berkeley Farms (Hayward) 23555 Saklan Rd	TPH-D, BTXE, TPH-G	Regular
WITNESSING AGENCY			

SAMPLE ID NO.	DATE	TIME	SOIL	WATER	GRAB	COMP	NO. OF CONT.	SAMPLING LOCATION	TPH-D	BTXE	TPH-G					REMARKS
MW1	7/13	15:00		✓			2	*	✓	✓						4070688 AB
MW2	"	15:15		✓			2	*	✓	✓						4070689
MW3	"	16:00		✓			2	*	✓	✓						4070690
MW4	"	15:45		✓			2	*	✓	✓						4070691
MW5	"	15:30		✓			2	*	✓	✓						4070692
WW1	"	16:15		✓			3	*	✓	✓	✓					4070693 AC

Relinquished by: (Signature)	Date/Time	Received by: (Signature)
John Giddings	7/14 15:00	[signature]
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
[signature]	7/14 5:15	[signature]
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
[signature]	7.14.94 5:35	R. Kelley 7/14/94 5:35pm
Relinquished by: (Signature)	Date/Time	Received by: (Signature)

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice? Yes
2. Will samples remain refrigerated until analyzed? Yes
3. Did any samples received for analysis have head space? No
4. Were samples in appropriate containers and properly packaged? Yes

Signature: [signature] Title: Date: 7-14-94

2401 Stanwell Drive, Suite 400
Concord, California 94520
Tel: 510 602 5100 Fax: 510 687 0602

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Kaprealian Engineering, Inc.	Client Project ID:	Berkeley Land Co., 23555 Saklan Rd., Hayward	Sampled: Aug 15, 1994
2401 Stanwell Dr., Ste. 400	Sample Matrix:	Water	Received: Aug 16, 1994
Concord, CA 94520	Analysis Method:	EPA 3510/8015	Reported: Aug 30, 1994
Attention: Avo Avedissian	First Sample #:	408-1022	

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit µg/L	Sample I.D. 408-1022 MW-1*	Sample I.D. 408-1023 MW-2*	Sample I.D. 408-1024 MW-3*	Sample I.D. 408-1025 MW-4*	Sample I.D. 408-1026 MW-5*
Extractable Hydrocarbons	50	66	67	92	64	62
Chromatogram Pattern:		Unidentified Hydrocarbons C12 - C22	Unidentified Hydrocarbons C12 - C22	Unidentified Hydrocarbons C12 - C22	Unidentified Hydrocarbons C12 - C22	Unidentified Hydrocarbons C12 - C22

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0	1.0	1.0
Date Extracted:	8/22/94	8/22/94	8/22/94	8/22/94	8/22/94
Date Analyzed:	8/24/94	8/24/94	8/24/94	8/24/94	8/24/94
Instrument Identification:	HP-3A	HP-3A	HP-3A	HP-3A	HP-3A

Extractable Hydrocarbons are quantitated against a fresh diesel standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Alan B. Kemp
Project Manager

Please Note:
*This sample does not appear to contain diesel.

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Kaprealian Engineering, Inc.
2401 Stanwell Dr., Ste. 400
Concord, CA 94520
Attention: Avo Avedissian

Client Project ID: Berkeley Land Co., 23555 Saklan Rd., Hayward
Matrix: Liquid
QC Sample Group: 4081022-026
Reported: Aug 30, 1994

QUALITY CONTROL DATA REPORT

ANALYTE	Diesel
Method:	EPA 8015 Mod.
Analyst:	K.V.S.
MS/MSD Batch#:	BLK082294
Date Prepared:	8/22/94
Date Analyzed:	8/24/94
Instrument I.D.#:	HP-3B
Conc. Spiked:	300 µg/L
Matrix Spike % Recovery:	108
Matrix Spike Duplicate % Recovery:	108
Relative % Difference:	0.0
LCS Batch#:	BLK082294
Date Prepared:	8/22/94
Date Analyzed:	8/24/94
Instrument I.D.#:	HP-3B
LCS % Recovery:	108
% Recovery Control Limits:	28-122

SEQUOIA ANALYTICAL

Alan B. Kemp
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

KAPREALIAN ENGINEERING
INCORPORATED

CHAIN OF CUSTODY

SAMPLER: John Goldsmith
WITNESSING AGENCY:
SITE NAME & ADDRESS: Berkeley Land Co. 23555 Southland Dr. Hayward, Ca

SAMPLE ID NO.	DATE	TIME	SOIL	WATER	GRAB	COMP	NO. OF CONT.	SAMPLING LOCATION	ANALYSES REQUESTED: TPH-D	REMARKS
MW 1	8/15	15:00		✓			1	-	✓	4081022
MW 2	"	15:15		✓			1		✓	4081023
MW 3	"	16.00		✓			1		✓	4081024
MW 4	"	15:45		✓			1		✓	4081025
MW 5	"	15:30		✓			1		✓	4081026

TURN AROUND TIME: Regular

Relinquished by: (Signature)	Date/Time	Received by: (Signature)
John Goldsmith	8/16/94 5:15	Charlie Cook
Charlie Cook	8/16/94 5:45	RW Kelley 8/16/94 5:45 pm
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received by: (Signature)

The following MUST BE completed by the laboratory accepting samples for analysis:
1. Have all samples received for analysis been stored in ice? YES
2. Will samples remain refrigerated until analyzed? YES
3. Did any samples received for analysis have head space? N/A
4. Were samples in appropriate containers and properly packaged? YES

RW Kelley — Signature; Sample Control — Title; 8/16/94 — Date

2401 Stanwell Drive, Suite 400
Concord, California 94520
Tel: 510 602 5100 Fax 510 687 0602