

**KAPREALIAN ENGINEERING, INC.**

Consulting Engineers

P O BOX 913

BENICIA CA 94510

(707) 746-8915 (707) 746-5916

FAX: (707) 746-5581

TRANSMITTAL PAGEDATE: 1-23-90

Alameda County Health Agency

TO: Arieh LevinFROM: RM BradishNumber of Pages  
(including cover): 4SUBJECT: Unusual SS#5781, 3535 Piedmont St., OAKLAND

The find attached laboratory analyses & chain of custody documentation for two pipe trench samples collected 1/17/90 at above referenced site. Also attached is a site plan indicating sample point locations.

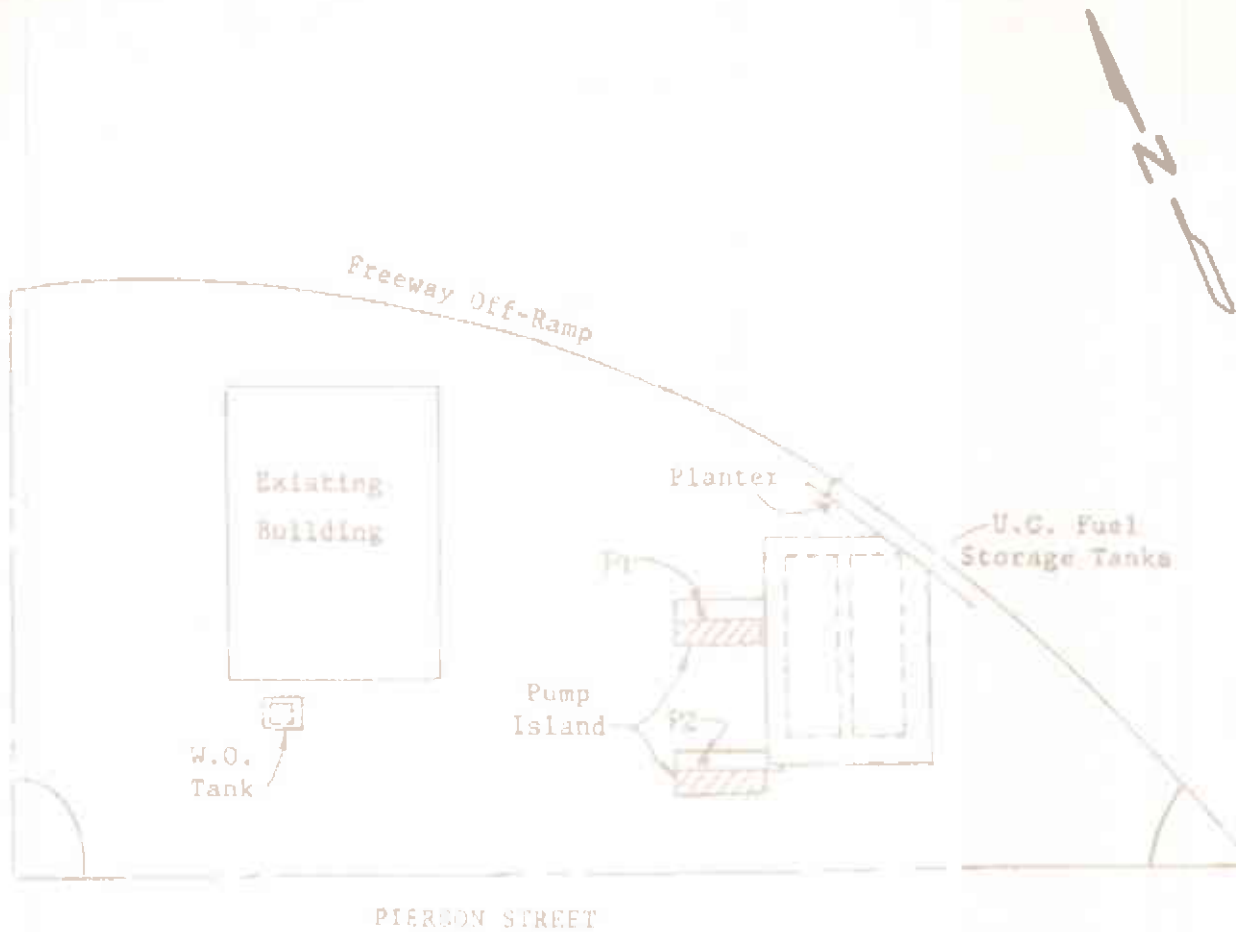
If any problems occur in receiving, please call the number listed above.



# KAPREALIAN ENGINEERING, INC.

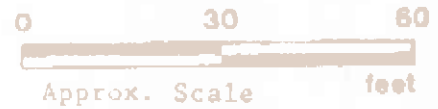
Consulting Engineers

PO BOX 996 • BENICIA, CA 94510  
(707) 746-6915 • (707) 746-6916 • FAX: (707) 746-5581



SITE PLAN

Figure 1



LEGEND

\* Sample Point Location

Unocal Service Station #5781  
3535 Pierson Street  
Oakland, California



**KAPREALIAN ENGINEERING, INC.**  
CHAIN OF CUSTODY

01/23/90 11:41 0707 746 5581 KAPREALIAN, INC.

SAMPLER <b>HAGOP</b>		SITE NAME & ADDRESS <b>Unocal - Oakland - Pierson St/McArthur</b>				ANALYSES REQUESTED			TURN AROUND TIME: <b>24 Hrs</b>
WITNESSING AGENCY						<div style="border: 1px solid black; padding: 5px; text-align: center;"> <b>TPH-G</b> <b>BTXE</b> </div>			REMARKS

SAMPLE ID NO.	DATE	TIME	SOIL	WATER	NO. OF		SAMPLING LOCATION	TPH-G	BTXE				REMARKS
					GRAB	CONT.							
P1	11/17/90		✓	✓	1	1	Pipe Trench	✓	✓				0011877
P2	11/17/90		✓	✓	1	1	Pipe Trench	✓	✓				78

Relinquished by: (Signature) <b>Hagop Kework</b>	Date/Time <b>11/17/90 4:00</b>	Received by: (Signature) <b>Tom M. Se...</b>	<p>The following MUST BE completed by the laboratory accepting samples for analysis:</p> <ol style="list-style-type: none"> <li>Have all samples received for analysis been stored in ice? <input type="checkbox"/></li> <li>Will samples remain refrigerated until analyzed? <input checked="" type="checkbox"/></li> <li>Did any samples received for analysis have head space? <b>NO</b></li> <li>Were samples in appropriate containers and properly packaged? <input type="checkbox"/></li> </ol>
Relinquished by: (Signature) <b>Tom M. Se...</b>	Date/Time <b>11/17/90 5:50</b>	Received by: (Signature) <b>Paul ...</b>	
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	



# SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063  
(415) 364-9600 • FAX (415) 364-9233

Kaprealian Engineering, Inc.	Client Project ID: Unocal, Oakland, Pierson/MacArthur	Sampled: Jan 17, 1990
P.O. Box 996	Matrix Descript: Soil	Received: Jan 17, 1990
Benicia, CA 94510	Analysis Method: EPA 5030/8015/8020	Analyzed: Jan 17, 1990
Attention: Mardo Kaprealian, P.E.	First Sample #: 001-1877	Reported: Jan 19, 1990

## TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
001-1877	P1	N.D.	N.D.	N.D.	N.D.	N.D.
001-1878	P2	N.D.	N.D.	N.D.	N.D.	N.D.

<b>Detection Limits:</b>	<b>1.0</b>	<b>0.05</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>
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Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.  
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

*Belinda C. Vega*  
Belinda C. Vega  
Project Manager