



KAPREALIAN ENGINEERING, INC.

Consulting Engineers

P. O. BOX 913

BENICIA, CA 94510

(707) 746-6915 (707) 746-6916

FAX: (707) 746-5581

TRANSMITTAL PAGE

DATE: 10-3-89

ALAMEDA COUNTY HEALTH AGENCY

TO: LARRY SETO

FROM: DICK BRADISH

Number of Pages
(including cover): 5

SUBJECT: Unusual - Oakland (35th Ave & Grand)

• Please find attached Laboratory analyses & chain of custody documentation for 5 pipe trench samples collected @ above referenced site on 9/26/89. Also attached is a sketch showing sample point location.

• We understand that at least one monitoring well

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

in the vicinity. No quantitative direction will be required @ this site.

10-3-89

10/03/89 12:53 707 746 5581

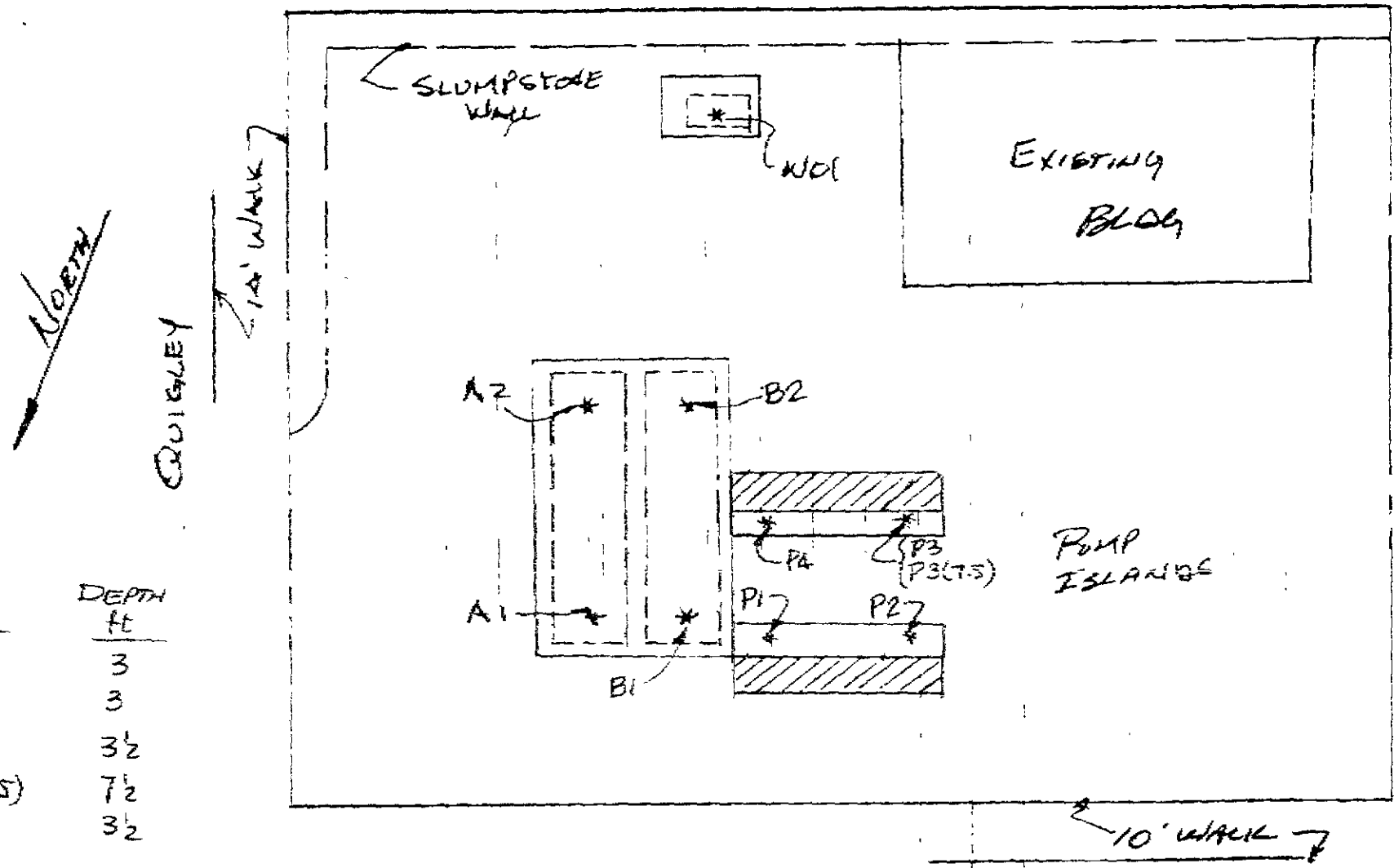
KAPREALIAN ENG.

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PAGE.002



SAMPLE #	DEPTH ft
P1	3
P2	3
P3	3 1/2
P3(7.5)	7 1/2
P4	3 1/2

* SAMPLE POINT LOCATION

35TH AVE

UNOCAL - OAKLAND
3420 - 35TH AVE
OAKLAND



SEQUOIA ANALYTICAL

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

Kaprealian Engineering, Inc. P.O. Box 913 Berkeley, CA 94510 Attention: Mardo Kaprealian, P.E.	Client Project ID: Unocal, Oakland, 3420 36th Ave. Matrix Descript: Soil Analysis Method: EPA 5030/B015/B020 First Sample #: 909-3270	Sampled: Sep 26, 1989 Received: Sep 27, 1989 Analyzed: Sep 27, 1989 Reported: Sep 28, 1989
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TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 9015/B020)

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)
909-3270	P1	17	0.23	N.D.	0.44	1.4
909-3271	P2	N.D.	N.D.	N.D.	N.D.	N.D.
909-3272	P3	6.0	3.2	0.36	1.9	5.5
909-3273	P4	5.0	N.D.	N.D.	N.D.	N.D.
909-3274	P5 (7.6)	N.D.	N.D.	N.D.	N.D.	N.D.

Detection Limits:	1.0	0.05	0.1	0.1	0.1
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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 Vega

Belinda C. Vega
 Project Manager

9093270.K21 <2>



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
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Kaprealian Engineering, Inc.	Client Project ID: Unocal, Oakland, 3420 35th Ave.	Sampled: Sep 28, 1989
P.O. Box 913	Sample Descript: Soil	Received: Sep 27, 1989
Benicia, CA 94510	Analysis Method: California LUFT Manual, 12/87	Analyzed: Sep 28, 1989
Attention: Mardo Kaprealian, P.E.	First Sample #: 909-3270	Reported: Sep 28, 1989

ORGANIC LEAD

Sample Number	Sample Description	Sample Results mg/kg (ppm)
909-3270	P1	N.D.
909-3271	P2	N.D.
909-3272	P3	0.058
909-3273	P4	N.D.
909-3274	P3 (7.5)	N.D.

Detection Limits:

0.05

Analyses reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Belinda C. Vega

Belinda C. Vega
 Project Manager

9093270.KEI <1>



KAPREALIAN ENGINEERING, INC.

Consulting Engineers

P O BOX 913

BENICIA CA 94510

(415) 876-8100 (707) 746-6915

CHAIN OF CUSTODY

SAMPLER: HAGOP DATE/TIME OF COLLECTION: 9-26-89 TURN AROUND TIME: 24 HRS
 (Signature)

SAMPLE DESCRIPTION AND PROJECT NUMBER: UNOCAL - OAKLAND - 3420-35th Ave.

SAMPLE #	ANALYSES	GRAB OR COMP.	NUMBER OF CONTAINERS	SOIL/WATER
<u>P1</u>	<u>TPH-G/BTXE/Organic Lead</u>	<u>G</u>	<u>1</u>	<u>S</u>
<u>P2</u>	<u>TPH-G/BTXE/Organic Lead</u>	<u>G</u>	<u>1</u>	<u>S</u>
<u>P3</u>	<u>TPH-G/BTXE/Organic Lead</u>	<u>G</u>	<u>1</u>	<u>S</u>
<u>P4</u>	<u>TPH-G/BTXE/Organic Lead</u>	<u>G</u>	<u>1</u>	<u>S</u>
<u>P3(7.5)</u>	<u>TPH G/BTXE/Organic Lead</u>	<u>G</u>	<u>1</u>	<u>S</u>

RELINQUISHED BY*	TIME/DATE	RECEIVED BY*	TIME/DATE
<u>Hagop Kework</u>	<u>10:30 a.m. 9/27/89</u>	<u>Ben Bonavent</u> Priority	<u>9/27/89 10:30</u>
<u>Ben Bonavent</u>	<u>12:55 9/27/89</u>	<u>B. L. Olive</u>	<u>9/27 1:00 p.m.</u>
3.			

* STATE AFFILIATION NEXT TO SIGNATURE

REMARKS:

NOTE: IF REGULAR TURNAROUND, SOIL ANALYSES MUST BE COMPLETED WITHIN 14 CALENDAR DAYS OF SAMPLE COLLECTION. WATER ANALYSES MUST BE COMPLETED WITHIN 7 CALENDAR DAYS FOR BTXE (UNLESS SAMPLE HAS BEEN PRESERVED), AND 14 CALENDAR DAYS FOR TPH AS GASOLINE; EXTRACT TPH AS DIESEL WITHIN 14 CALENDAR DAYS.