



KAPREALIAN ENGINEERING  
INCORPORATED

93 JUL 30 PM 2:03

July 28, 1993

Alameda County Health Care Services  
80 Swan Way, Room 200  
Oakland, CA 94621

RE: Unocal Service Station #3072  
2445 Castro Valley Blvd.  
Castro Valley, California

Gentlemen:

Per the request of Ms. Penny Silzer of Unocal Corporation, enclosed please find our report dated July 15, 1993, 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.

A handwritten signature in cursive script, appearing to read 'Judy A. Dewey', with a large loop at the end.

Judy A. Dewey

jad\82

Enclosure

cc: Penny Silzer, Unocal Corporation



KAPREALIAN ENGINEERING  
I N C O R P O R A T E D

KEI-P89-1106.R11  
July 15, 1993

Unocal Corporation  
2000 Crow Canyon Place, Suite 400  
P.O. Box 5155  
San Ramon, California 94583

Attention: Ms. Penny Silzer

RE: Report on Destruction of Monitoring Wells at  
Unocal Service Station #3072  
2445 Castro Valley Blvd.  
Castro Valley, California

Dear Ms. Silzer:

This report documents the destruction of monitoring wells MW1 through MW5 at the subject site, per Kaprealian Engineering, Inc's. (KEI) work plan/proposal (KEI-P89-1106.P4) dated April 22, 1993. The wells were destroyed based on the Regional Water Quality Control Board's (RWQCB), San Francisco Bay Region, decision to require no further investigation at this time (in a letter to Unocal dated April 15, 1993). Site background information and a summary of our recent field activities are included in our report (KEI-P89-1106.R10) dated December 21, 1992.

Monitoring wells MW1 through MW5 (the locations of which are shown on the attached Figure 1) were destroyed on June 15, 1993, by fully drilling out the existing well seals, all filter pack sand materials, and the PVC well casings. The boreholes were each overdrilled approximately 1 foot. Permits were obtained from the Alameda County Flood Control and Water Conservation District prior to beginning work.

The former wells were fully sealed with a neat cement grout, in accordance with the grout mixing guidelines presented in the California Well Standards, Bulletin 74-90 (dated June 1991). The grout was placed by the use of a tremie pipe from the bottom of the borings up to the surface in one continuous pour. A hardening agent was placed in the upper 1 to 2 feet of grout to reduce curing time.

All soil materials and rinsate water generated during the well destruction operations were stored on-site on either visqueen or in DOT-approved, properly labeled, 55-gallon drums (pending further analysis and disposal).

KEI-P89-1106.R11  
July 15, 1993  
Page 2

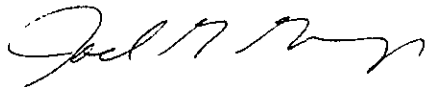
DISTRIBUTION

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

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

Sincerely,

Kaprealian Engineering, Inc.



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

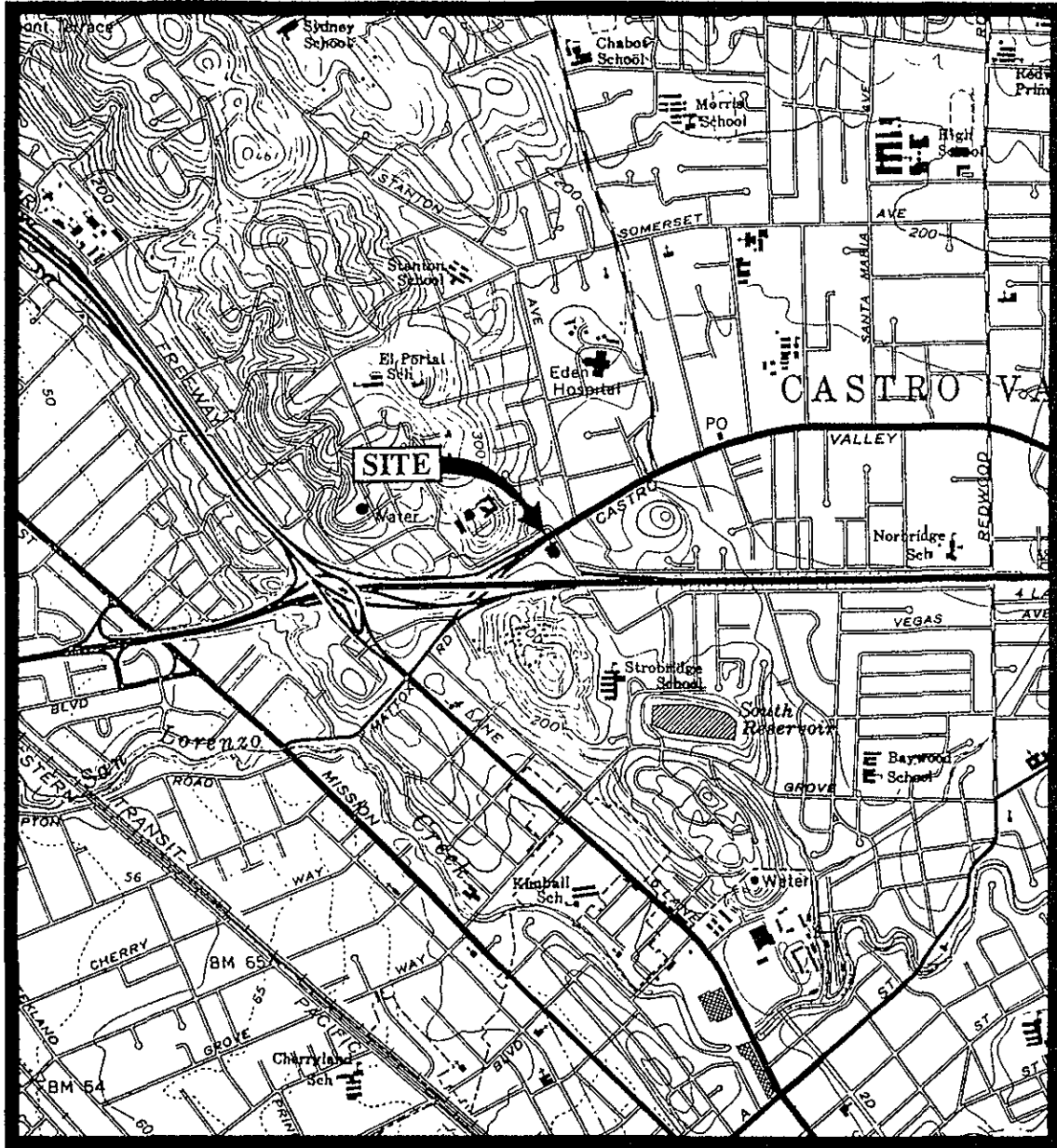
License No. 1633  
Exp. Date 6/30/94



Timothy R. Ross  
Project Manager

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Attachments: Location Map  
Figure 1



Base modified from 7.5 minute U.S.G.S. Hayward Quadrangle  
(photorevised 1980)

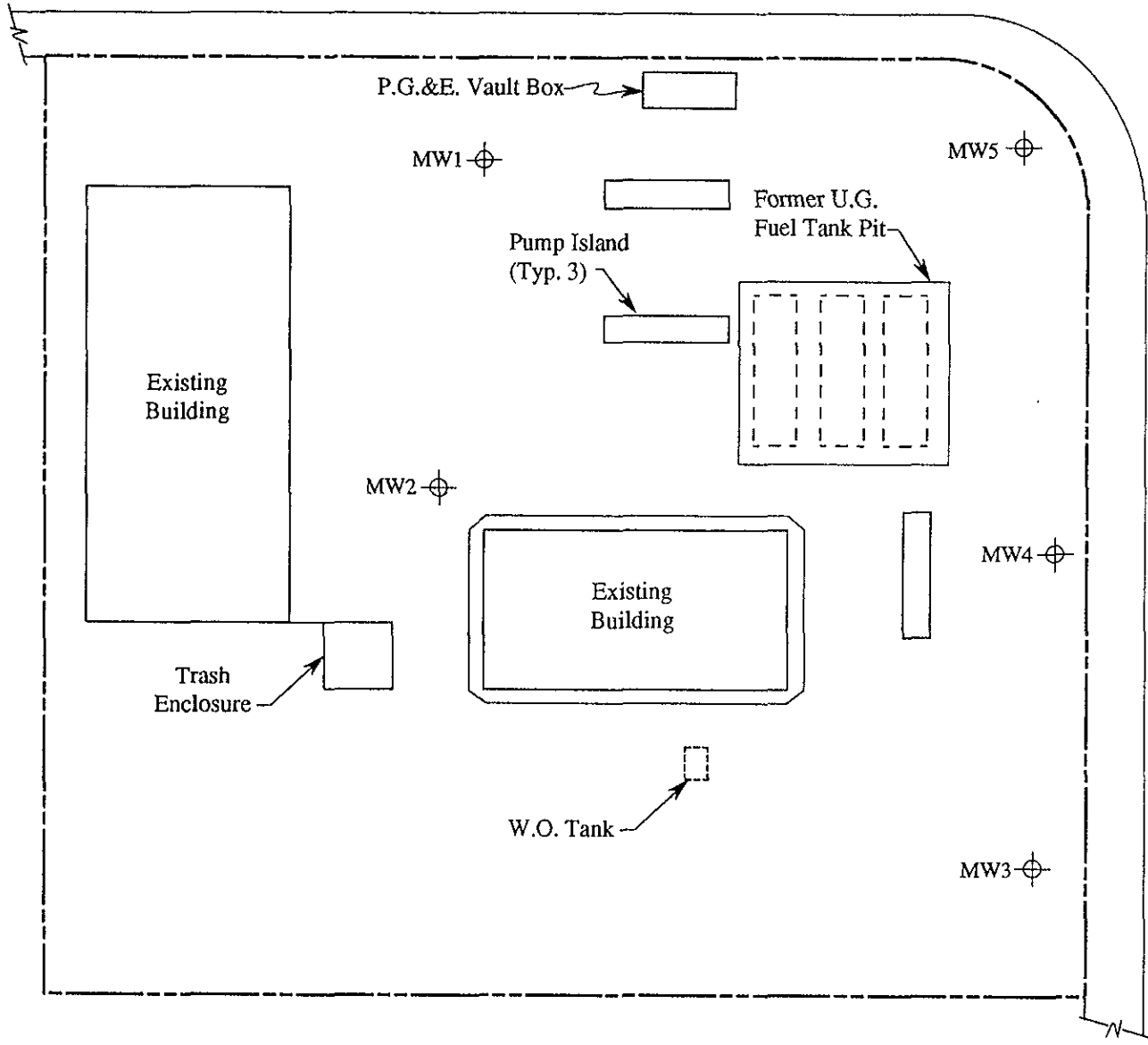


**KAPREALIAN ENGINEERING  
INCORPORATED**

**UNOCAL SERVICE STATION #3072  
2445 CASTRO VALLEY BLVD.  
CASTRO VALLEY, CALIFORNIA**

**LOCATION  
MAP**

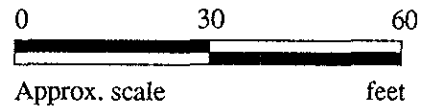
CASTRO VALLEY BOULEVARD



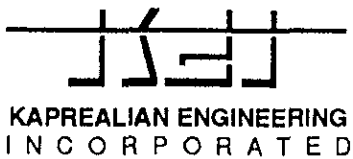
STROBRIDGE AVENUE

**LEGEND**

⊕ Monitoring well (destroyed on 6/15/93)



**MONITORING WELL (DESTROYED) LOCATION MAP**



**UNOCAL SERVICE STATION #3072  
2445 CASTRO VALLEY BLVD.  
CASTRO VALLEY, CA**

**FIGURE  
1**