



**Eichleay Engineers Inc.
of California**

Suite 600, 1390 Willow Pass Road, Concord, California 94520 • 510-689-7000 • FAX 510-689-7006

May 17, 1995

**Alameda County Water Resources Management
Zone 7 Water Agency
5997 Parkside Drive
Pleasanton, California 94588**

Attention: Mr. Wyman Hong

Subject: Drilling Permit Application
2504 MacArthur Boulevard
Oakland, California 94602
Eichleay Project No. 4872

Dear Mr. Hong:

Enclosed we are submitting a completed drilling permit application for your approval along with a map of the site, located at 2504 MacArthur Boulevard, Oakland, California. Within 60 days after completion of the project, we will submit our driller's report and lithologic logs of the site.

Please call if you have any question or comments.

Very truly yours,

Fred Serafin
Manager, Environmental Services

cc: JMS, File 4872



ZONE 7 WATER AGENCY

5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588

VOICE (510) 484-2600
FAX (510) 462-3914

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 2504 MacArthur Blvd.
Oakland, CA 94602

PERMIT NUMBER _____
LOCATION NUMBER _____

CLIENT

Name Marr Associates
Address 2737 Fallen Leaf Ct. Voice (510) 482-1536
City Hayward, CA Zip 94542

PERMIT CONDITIONS

Circled Permit Requirements Apply

APPLICANT

Name Eichleay Engineers Inc. of California
1390 Willow Pass Rd. Fax (510) 689-7006
Address Suite 600 Voice (510) 689-7000
City Concord, CA Zip 94520

A. GENERAL

1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well Projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

TYPE OF PROJECT

Well Construction	Geotechnical Investigation
Cathodic Protection _____	General _____
Water Supply _____	Contamination <u>✓</u>
Monitoring <u>✓</u>	Well Destruction _____

B. WATER WELLS, INCLUDING PIEZOMETERS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

PROPOSED WATER SUPPLY WELL USE

Domestic _____	Industrial _____	Other _____
Municipal _____	Irrigation _____	

C. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

DRILLING METHOD:

Mud Rotary _____	Air Rotary _____	Auger <u>✓</u>
Cable _____	Other _____	

D. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

DRILLER'S LICENSE NO. 485165 (GREGG DRILLING)

E. WELL DESTRUCTION. See attached.

WELL PROJECTS

Drill Hole Diameter <u>2 8</u> in.	Maximum
Casing Diameter <u>2</u> in.	Depth <u>30</u> ft.
Surface Seal Depth <u>1 10</u> ft.	Number <u>3</u>

GEOTECHNICAL PROJECTS

Number of Borings <u>3</u>	Maximum
Hole Diameter <u>8</u> in.	Depth <u>30</u> ft.

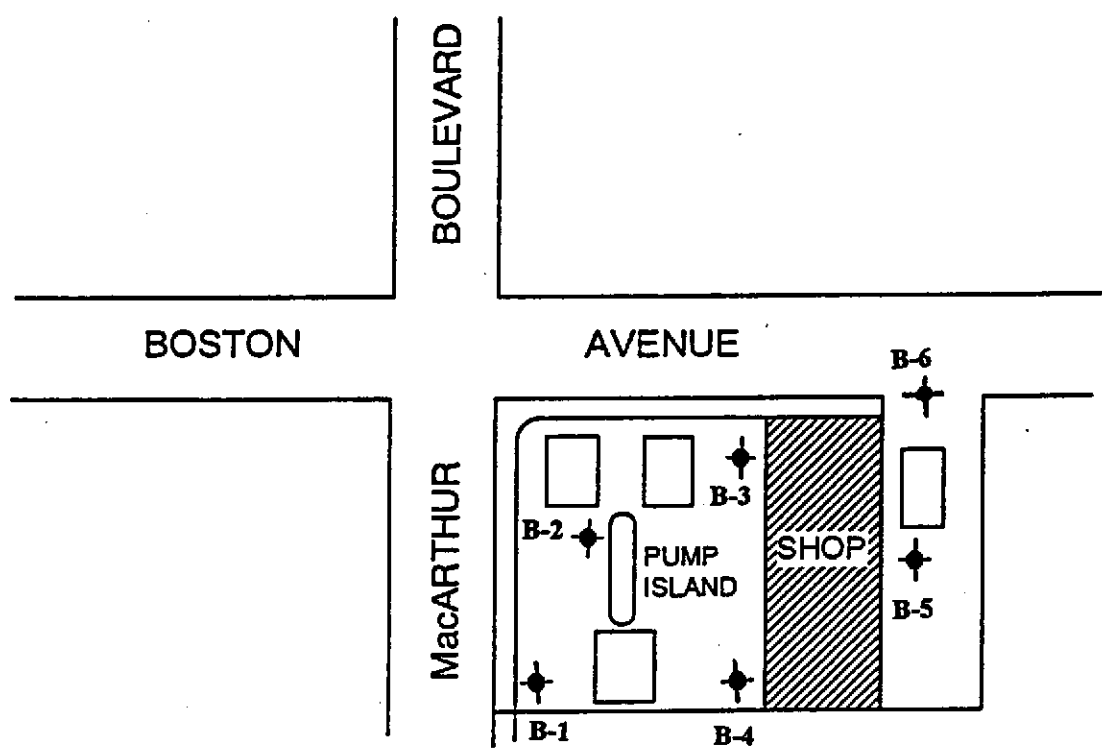
ESTIMATED STARTING DATE June 5, 1995

ESTIMATED COMPLETION DATE June 6, 1995

Approved _____ Date _____

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.


APPLICANT'S SIGNATURE Fred Serafin Date 5/17/95



LEGEND

- ✦ Location of Boreholes/
Monitoring Wells
- Location of
Former tanks

Not to Scale

REVISIONS			 Eichleay ENGINEERS INC of CA		PITTSBURGH CHICAGO SAN FRANCISCO	
REV	DESCRIPTION	APPR	Site Plan 2504 MacArthur Blvd. Oakland, California			
1	Borehole numbers, addition of B-6		SCALE	DATE	CONTRACT	
			DRAWN BY	DRAWING		REVISION
			CHECKED			
			APPROVED			