J. QUARLE' & ASSOCIATES
2077 Edison Avenue
P.O. Box 2215
San Leandro, CA 94577-0340

An Environmental Company
(510) 895-1474
FAX (510) 895-1477

November 30, 1994

Alameda County Health Department
Att: Scott Seary
1131 Harbor Bay Parkway
Alameda, CA 94502

Dear Scott:

Enclosed is the paper work from our files regarding the well closures at 1630 - 162nd Avenue, San Leandro, California.

Sincerely,

J. QUARLE' & ASSOCIATES, INC.

Jack Quarle', President

JQ/cn

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2077 Edison Avenue
P.O. Box 2215
San Leandro, CA 94577-0340

An Environmental Company
(510) 895-1474
FAX (510) 895-1477
April 7, 1994

Zone 7 Water Agency
Att: Wyman Hong
5997 Parkside Drive
Pleasanton, CA 94588

WELL NOS. 3S/2W 5M3 & 3S/2W 5M4

Dear Mr. Hong:

This letter is to report to you the destruction of the referenced wells.

On October 11, 1993 all poorly compacted materials were cleaned from the bottom of the wells. We pressure grouted the casing to 5 feet below the original ground, removed the casing, seal and gravel pack to 5 feet below the original ground.

On October 14, 1993 we returned and backfilled and compacted the hole with native soils.

Please call if you have any questions in regard to the destruction of the wells.

Thank you,

J. QUARLE' & ASSOCIATES, INC.

Jack Quarle', President

JQ/cn

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

ON OF PROJECT 1630 - 162nd AVENUE
SAN LEANDRO, CA

IENT
me FOSTER CITY DEVELOPMENT CORP.
ress 1015 EAST HILLSDALE Voice (415) 349-1244
FOSTER CITY, CA Zip 94404

PLICANT
me J. QUARLE' & ASSOCIATES, INC.
P.O. BOX 2215 Fax (510) 895-1477
dress SAN LEANDRO, CA Voice (510) 895-1474
y 94577-0340 Zip

PE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection		General	
ater Supply		Contamination	
Monitoring		Well Destruction	X

POSED WATER SUPPLY WELL USE

omestic		Industrial		Other	
unicipal		Irrigation			

LING METHOD:
lud Rotary Air Rotary Auger
able Other

ILLER'S LICENSE NO.

ELL PROJECTS

Drill Hole Diameter		in.	Maximum		
Casing Diameter		in.	Depth		ft.
Surface Seal Depth		ft.	Number		

EOTECHNICAL PROJECTS

Number of Borings			Maximum		
Hole Diameter		in.	Depth		ft.

MATED STARTING DATE 10-11-93
MATED COMPLETION DATE 10-11-93

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

FOR OFFICE USE

PERMIT NUMBER 93559
LOCATION NUMBER 3S/2W 5M3 and 5M4

PERMIT CONDITIONS

Circled Permit Requirements Apply

(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.

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.

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.

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

(E.) WELL DESTRUCTION. See attached.

Approved Wyman Hong Date 12 Oct 93
Wyman Hong

12 October 1993

ZONE 7
WATER RESOURCES ENGINEERING
GROUNDWATER PROTECTION ORDINANCE

FOSTER CITY DEVELOPMENT CORPORATION
1630 - 162ND AVENUE
SAN LEANDRO
WELL 3S/2W 5M3 AND 5M4
PERMIT 93559

Destruction Requirements:

1. Clean out all bridged or poorly compacted materials to the bottom of the well.

2. Pressure grout the casing to 5 feet below finished grade or original ground, whichever is the lower elevation.

3. Remove casing, seal and gravel pack to 5 feet below finished grade or original ground, whichever is the lower elevation.

4. After the seal has set, backfill the remaining hole with compacted material.

These destruction requirements as proposed by Jack Quarle' of J. Quarle' & Associates exceed Zone 7 minimum requirements.