

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

ALCO  
HAZMAT An Environmental Company  
(510) 895-1474  
94 DEC -1 PM 4: 51 FAX (510) 895-1477  
November 30, 1994

---

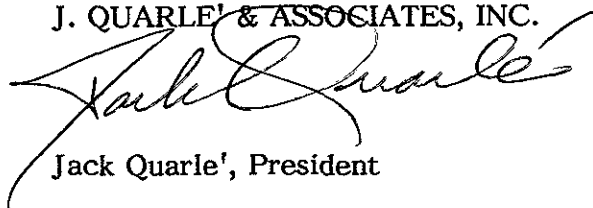
Alameda County Health Department  
Att: Scott Seary  
1131 Harbor Bay Parkway  
Alameda, CA 94502

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

**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  
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 (810) 482-3914



## DRILLING PERMIT APPLICATION

### FOR APPLICANT TO COMPLETE

### FOR OFFICE USE

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

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

CLIENT  
Name FOSTER CITY DEVELOPMENT CORP.  
Address 1015 EAST HILLSDALE Voice (415) 349-1244  
FOSTER CITY, CA Zip 94404

### PERMIT CONDITIONS

Circled Permit Requirements Apply

APPLICANT  
Name J. QUARLE & ASSOCIATES, INC.  
P.O. BOX 2215 Fax (510) 895-1477  
Address SAN LEANDRO, CA Voice (510) 895-1474  
Tel 94577-0340 Zip \_\_\_\_\_

TYPE OF PROJECT  
Well Construction \_\_\_\_\_ Geotechnical Investigation \_\_\_\_\_  
Cathodic Protection \_\_\_\_\_ General \_\_\_\_\_  
Water Supply \_\_\_\_\_ Contamination \_\_\_\_\_  
Monitoring \_\_\_\_\_ Well Destruction X

PROPOSED WATER SUPPLY WELL USE  
Domestic \_\_\_\_\_ Industrial \_\_\_\_\_ Other \_\_\_\_\_  
Unconfined \_\_\_\_\_ Irrigation \_\_\_\_\_

DRILLING METHOD:  
Mud Rotary \_\_\_\_\_ Air Rotary \_\_\_\_\_ Auger \_\_\_\_\_  
Cable \_\_\_\_\_ Other \_\_\_\_\_

DRILLER'S LICENSE NO. \_\_\_\_\_

WELL PROJECTS  
Drill Hole Diameter \_\_\_\_\_ in. Maximum \_\_\_\_\_  
Casing Diameter \_\_\_\_\_ in. Depth \_\_\_\_\_ ft.  
Surface Seal Depth \_\_\_\_\_ ft. Number \_\_\_\_\_

GEOTECHNICAL PROJECTS  
Number of Borings \_\_\_\_\_ Maximum \_\_\_\_\_  
Hole Diameter \_\_\_\_\_ in. Depth \_\_\_\_\_ ft.

ESTIMATED STARTING DATE 10-11-93  
ESTIMATED COMPLETION DATE 10-11-93

- 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

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-88.

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.