



ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588 (415) 484-2600

19 March 1991

Streamborn Consulting Services
P.O. Box 9504
Berkeley, CA 94709-0504

Gentlemen:

Enclosed is Groundwater Protection Ordinance permit 91144 for a monitoring well construction project at 2801 MacArthur Boulevard in Oakland for APA Fund Limited.

Please note that permit condition A-2 requires that a well construction report be submitted after completion of the work. The report should include drilling and completion logs, location sketch, and permit number.

If you have any questions, please contact Wyman Hong or Craig Mayfield at 484-2600.

Very truly yours,

J. Killingstad, Chief
Water Resources Engineering

WH:mm
Enc.

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED



ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

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GROUNDWATER PROTECTION ORDINANCE PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 2801 MacArthur Blvd. Oakland CA

PERMIT NUMBER 90623 LOCATION NUMBER

CLIENT Name APA FUND LIMITED c/o CALIFRANCE CORP. Address 1904 Franklin St. Phone 452-4711 City Oakland Zip 94612

PERMIT CONDITIONS

Circled Permit Requirements Apply

APPLICANT Name Greg Keller Stream born Address P.O. Box 9504 Phone 528-4234 City Berkeley Zip 94709-0504

TYPE OF PROJECT Well Construction Geotechnical Investigation Cathodic Protection General or Supply Contamination monitoring X Well Destruction X

PROPOSED WATER SUPPLY WELL USE Domestic Industrial Other Municipal Irrigation

DRILLING METHOD: Mud Rotary Air Rotary Auger X Cable Other

DRILLER'S LICENSE NO. 521617

WELL PROJECTS Drill Hole Diameter 8 in. Maximum Casing Diameter 2 in. Depth 50 ft. Surface Seal Depth 2.5 ft. Number 1 WELL 2 PIEZOMETERS

GEOTECHNICAL PROJECTS Number of Borings 2 Maximum Hole Diameter 8 in. Depth 40 ft.

ESTIMATED STARTING DATE 19 OCTOBER 90 ESTIMATED COMPLETION DATE 20 OCTOBER 90

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

APPLICANT'S SIGNATURE Gregory Keller Date

- (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 Todd N. Wendler Date 12 Oct 90