



Weiss Associates

Environmental and Geologic Services

5500 Shellmound Street, Emeryville, CA 94608-2411

Fax: 510-547-5043 Phone: 510-547-5420

STP *4/23*

93 APR 23 11 5:12

April 23, 1993

Ms. Susan Hugo
Alameda County Department
of Environmental Health
80 Swan Way, Suite 200
Oakland, CA 94621

Re: Shell Service Station
WIC# 204-5508-2303
2800 Telegraph Avenue
Oakland, California

Dear Ms. Hugo:

Weiss Associates is writing to notify you that, as of April 1, 1993, we have assumed the lead environmental consultant role for the Shell site referenced above. Weiss Associates will be preparing quarterly status reports for this site within fifteen days of the end of each quarter. We have also included a brief report documenting the destruction of monitoring well S-2.

We appreciate this opportunity to provide environmental consulting services on behalf of Shell Oil Company and look forward to working with you on this project. Please call me at 450-6108 if you have any questions or comments.

Sincerely
Weiss Associates

David Elias
Staff Geologist

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Attachments: April 16, 1993 Well Destruction Report

cc: Dan Kirk, Shell Oil Company



PROJECT COPY

April 16, 1993

Dan Kirk
Shell Oil Company
P.O. Box 5278
Concord, CA 94520

Re: Well Destruction
Former Shell Service Station
2800 Telegraph Avenue
Oakland, California
WA Job #81-700-09

Dear Mr. Kirk:

As you requested, this letter documents Weiss Associates' (WA) destruction of monitoring well S-2 at the former Shell service station referenced above (Figures 1 and 2). This well was destroyed to allow an electrical transformer to be installed at that location. Specific well destruction procedures and other information are presented below.

Well Destruction

- Date Destroyed:** April 8, 1993.
- Drilling Company:** Gregg Drilling Company of Concord, California (license No. C-57485165).
- Drilling Geologist:** WA Staff Geologist Jonathan Weingast working under the supervision of N. Scott MacLeod, Registered Geologist No. 5747.
- Destruction Method:** The well was destroyed by pumping neat cement under pressure through a tremie pipe to the bottom of the well casing. The neat cement was mixed at the ratio of one sack of Portland Type I,II cement to about six gallons of water. As required in the well destruction permit, the cement was brought completely over the top of the well casing to the ground surface.

Copies of the Alameda County Flood Control and Water Conservation District - Zone 7 well destruction permit and the California Department of Water Resources water well drillers report are attached.

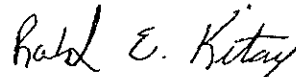
Mr. Dan Kirk
April 16, 1993

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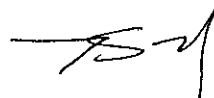
We are pleased to provide hydrogeologic consulting services to Shell Oil Company. Please feel free to call if you have any questions or comments.



Sincerely,
Weiss Associates,



Robert E. Kitay
Senior Staff Geologist



N. Scott MacLeod, R.G.
Project Geologist

Attachments: A - Alameda County Flood Control and Water Conservation District Drilling Permit
B - California Department of Water Resources Water Well Drillers Report

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cc: Alameda County Flood Control and Water Conservation District - Zone 7, 5997 Parkside Drive, Pleasanton, CA 94588
California Department of Water Resources - Central District, 3251 S Street, Sacramento, CA 95816-9897
Gregg Drilling Company, 2047 Arnold Industrial Way, Suite A, Concord, CA 94520

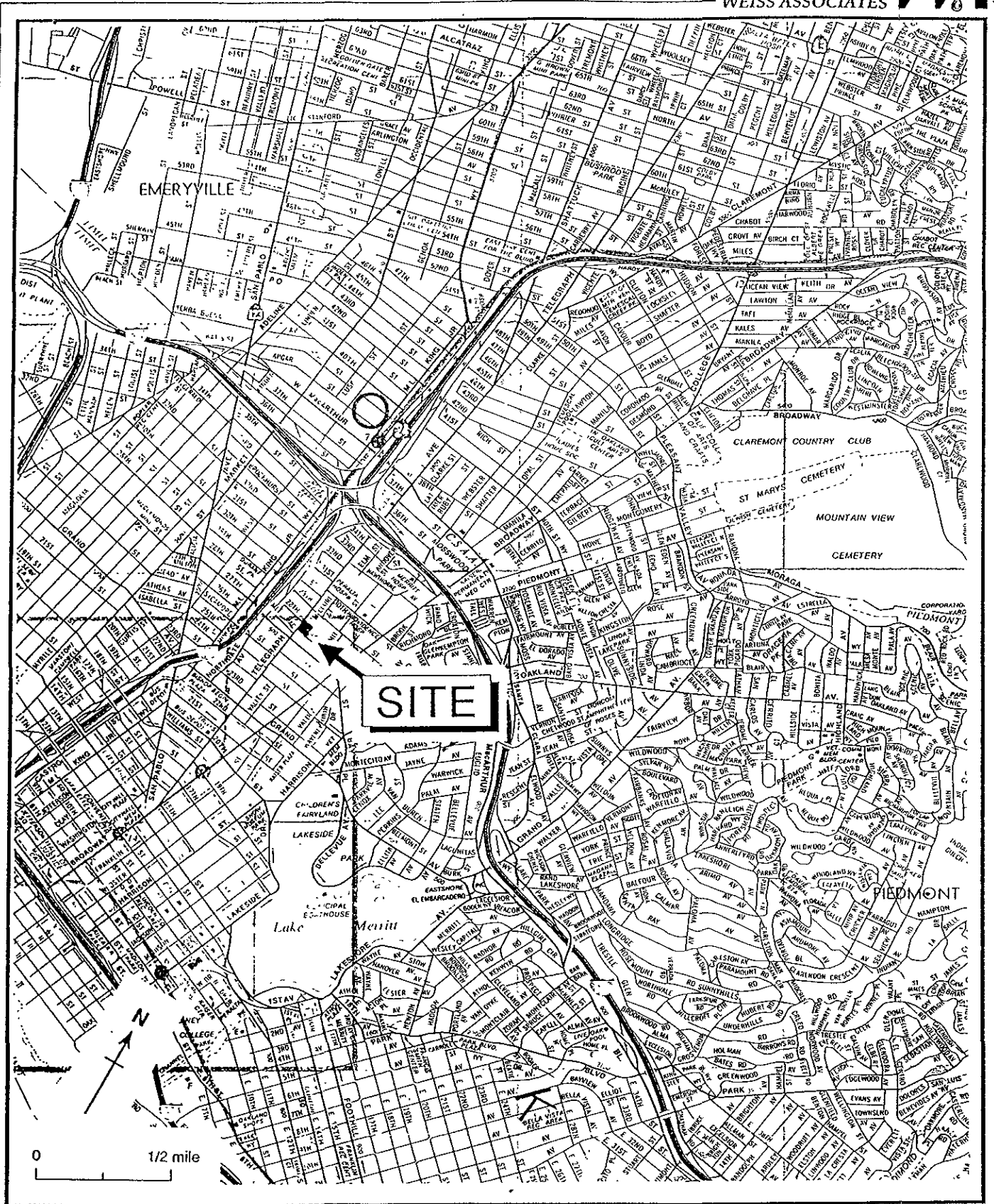


Figure 1. Site Location Map - Former Shell Service Station WIC #204-5508-2404, 2800 Telegraph Avenue, Oakland, California

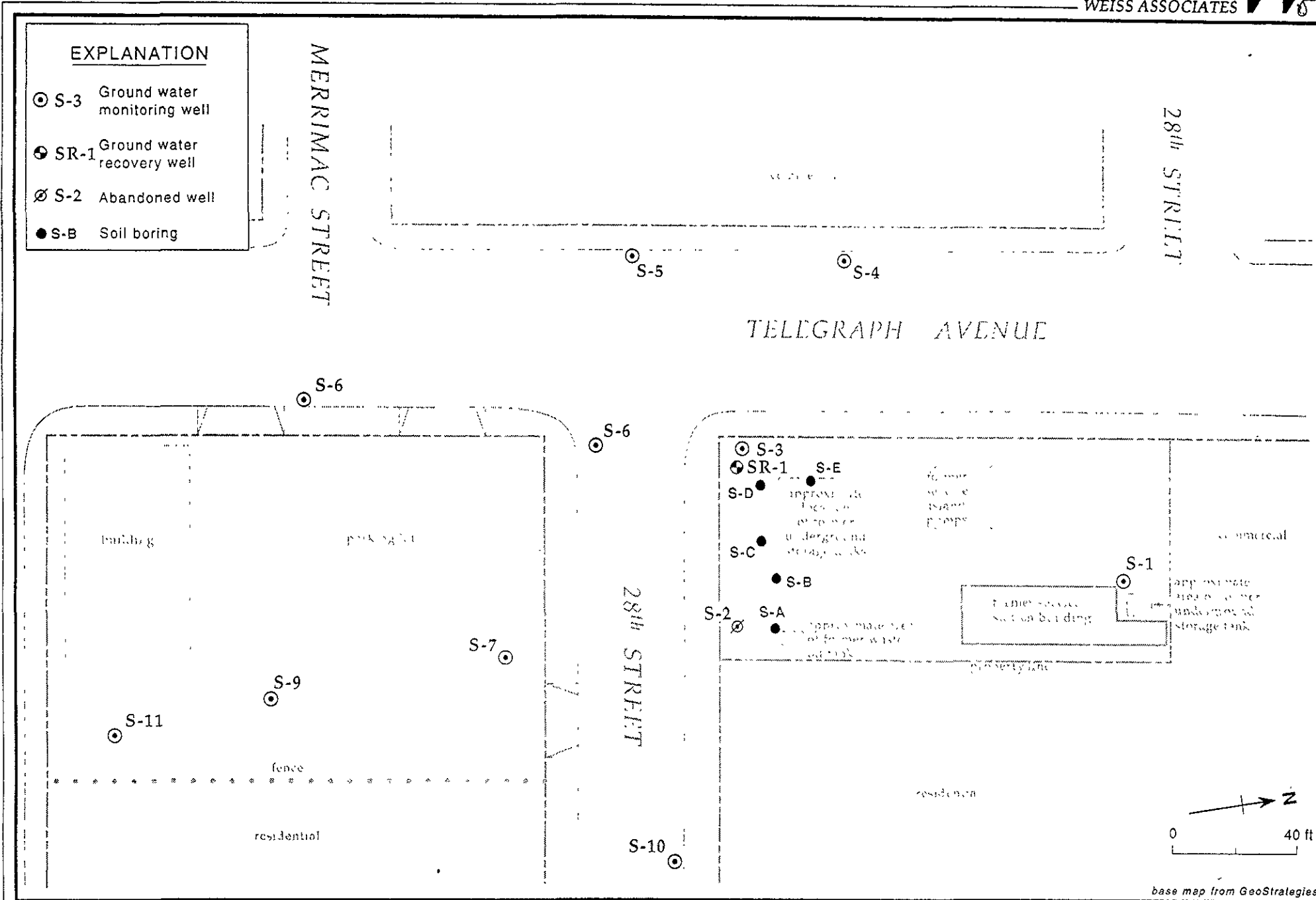


Figure 2. Monitoring Well Locations - Former Shell Service Station WIC #204-5508-2404, 2800 Telegraph Avenue, Oakland, California

ATTACHMENT A

**ALAMEDA COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT
DRILLING PERMIT**



ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

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

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Former Shell Station
2800 Telegraph Avenue
Oakland, CA

PERMIT NUMBER 93170
LOCATION NUMBER 1S/4W 23J80

CLIENT Name Shell Oil Company
Address P.O. Box 5278
City Concord, CA
Phone
Zip 94520

PERMIT CONDITIONS

Circled Permit Requirements Apply

APPLICANT Name Weiss Associates
Attn. Robert Kitay
Address 5500 Shellmound Street
City Emeryville, CA
Phone (510) 450-6158
Zip 94608

- 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.
C. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material.
D. CATHODIC. Fill hole above anode zone with concrete placed by tremie.
E. WELL DESTRUCTION. See attached.

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
Municipal Irrigation

DRILLING METHOD: Mud Rotary Air Rotary Auger
Cable Other pressure grout to ground surface

DRILLER'S LICENSE NO. C-57 485165

WELL PROJECTS Drill Hole Diameter 8 in. Maximum
Casing Diameter 3 in. Depth 28 ft.
Surface Seal Depth 2 ft. Number 1

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

ESTIMATED STARTING DATE 4-8-93
ESTIMATED COMPLETION DATE 4-8-93

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-58.

Approved Wyman Hong Date 7 Apr 93
Wyman Hong

APPLICANT'S SIGNATURE Robert C. Kitay Date 4-7-93

ATTACHMENT B

**CALIFORNIA DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT**

5 April 1993

ZONE 7
WATER RESOURCES ENGINEERING
GROUNDWATER PROTECTION ORDINANCE

SHELL OIL COMPANY
2800 TELEGRAPH AVENUE
OAKLAND
WELL 1S/4W 23J80
PERMIT 93170

Destruction Requirements

1. Clean out all bridged or poorly compacted materials to the bottom of the well.
2. Pressure grout the casing to 2 feet below finished grade or original ground, whichever is the lower elevation.
3. Remove casing, seal and gravel pack to 2 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 Robert Kitay of Weiss Associates or exceed Zone 7 minimum requirements.

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED