



ST10 3631

Closed Case
file

March 5, 1998

Mr. Roy Breitenbach
2358 Loma Vista
Prescott, AZ 86301

SUBJECT SITE: Groundwater Monitoring Well Abandonment
21065 Foothill Boulevard
Hayward, California

Dear Mr. Breitenbach:

This letter documents the abandonment of monitoring well MW-1 at the above referenced site. The work was completed under Alameda County Public Works Agency (ACPWA) permit number 98WR085 issued to Aqua Science Engineers (ASE) on February 25, 1998. Case closure for the site was granted by Mr. Steven R. Ritchie of the California Regional Water Quality Control Board - San Francisco Bay Region (RWQCB) in a letter dated February 1, 1993. A copy of the ACPWA permit and the RWQCB letter are attached.

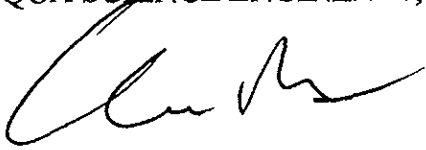
On February 27, 1998, V&W Drilling, Inc. (licence #C-57 720904) of Rio Vista, California destroyed monitoring well MW-1 at the subject site under the direction of ASE geologist Charlie Rous. The well was destroyed by pumping neat Portland cement under pressure into the existing well casing. A total of approximately 100 gallons of cement was pumped into the well to ensure that the well casing, the sand pack, and the surrounding formation are adequately sealed. The monitoring well box was removed and the resulting hole backfilled with concrete dyed black to match the surrounding surface.

A copy of the California Department of Water Resources (DWR) well completion report is attached.

Please feel free to contact us if you have any questions or comments at (510) 820-9391.

Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.

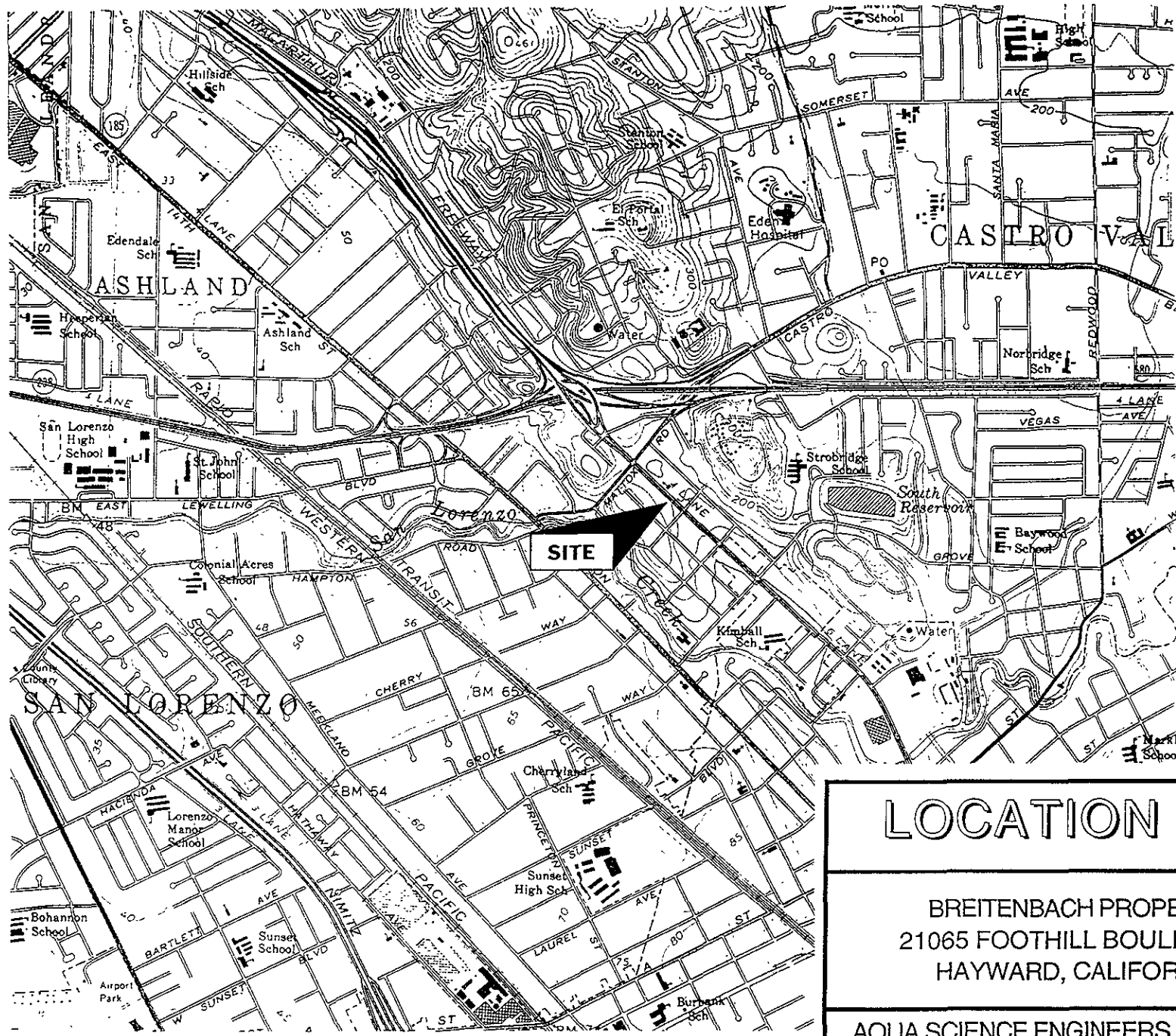
A handwritten signature in black ink, appearing to read 'Charlie Rous', written in a cursive style.

Charlie Rous
Staff Geologist

cc: Alameda County Health Care Services Agency, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577

California Department of Water Resources, 3251 S Street, Sacramento, CA 95816

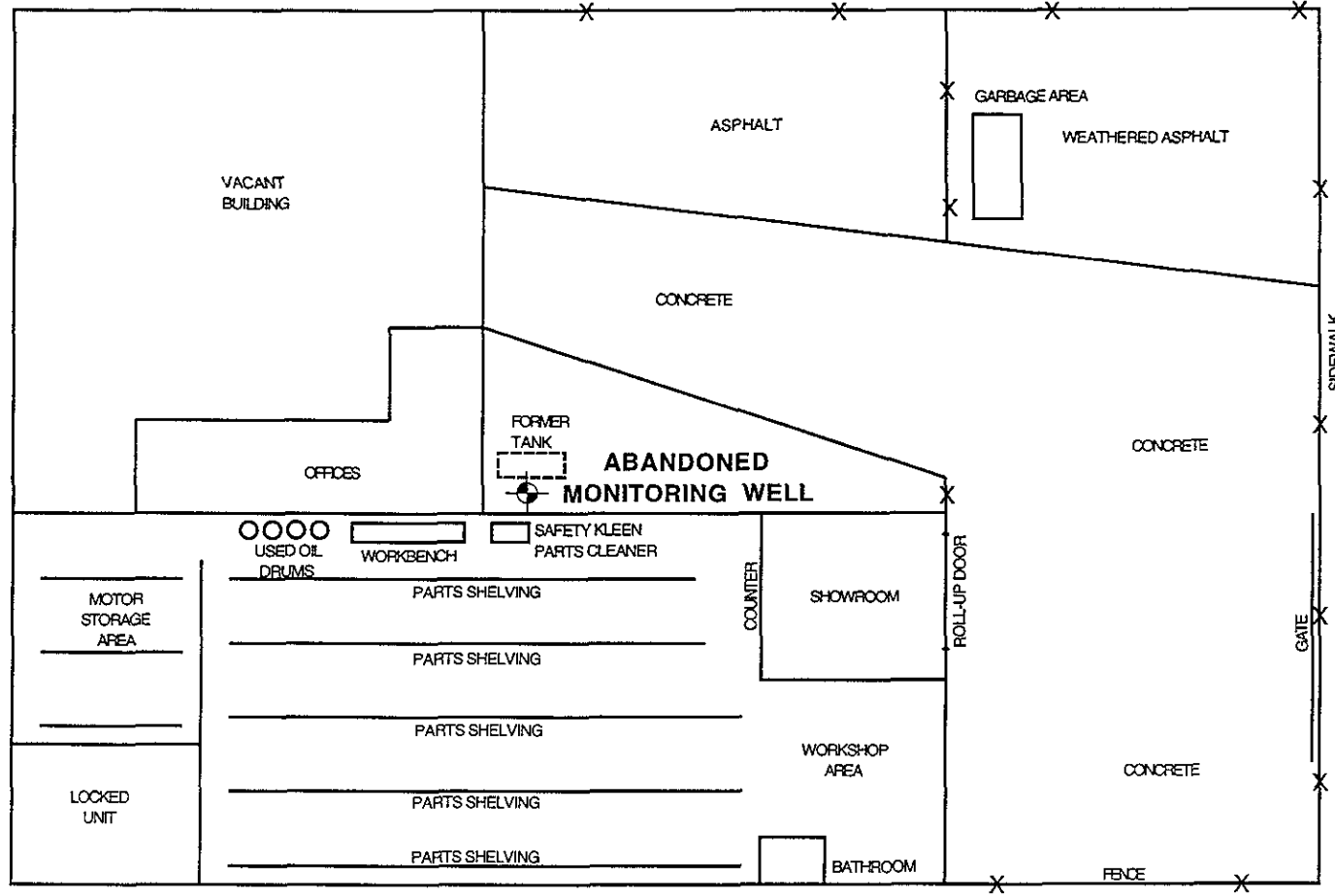
California Regional Water Quality Control Board - San Francisco Bay Region, 2101 Webster Street, Suite 500, Oakland, CA 94612



LOCATION MAP

BREITENBACH PROPERTY
21065 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

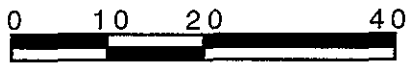
AQUA SCIENCE ENGINEERS | Figure 1



FOOTHILL BOULEVARD MEDIAN



NORTH



SCALE IN FEET

SITE PLAN

BREITENBACH PROPERTY
 21065 FOOTHILL BOULEVARD
 HAYWARD, CALIFORNIA

AQUA SCIENCE ENGINEERS

Figure 2

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION
2101 WEBSTER STREET, SUITE 500
OAKLAND, CA 94612

Phone: (510) 286-1255
Fax: (510) 286-1380



Feb. 1, 1993
File 2198.17 (UST)

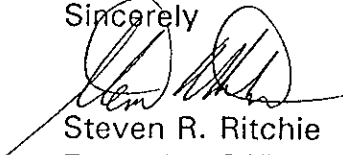
Mr. Roy R. Breitenbach, Sr.
2358 Loma Vista Drive
Prescott, Arizona 86301-2129

Subject: Case Closure for Breitenbach property, 21065 Foothill Blvd., Hayward, California

Dear Mr. Breitenbach:

The Alameda County Department of Environmental Health has submitted a report which summarizes the investigation and cleanup of hydrocarbon pollution resulting from leaks associated with a 1000 gallon under ground storage tank at the above mentioned site, and recommends that the case be closed. The Regional Board staff reviewed the report and concur with the recommendation. Therefore, based on the available information for the above site, it appears that further investigation and cleanup of the hydrocarbon pollution is not necessary at this time. However, further work may be required if conditions change or a water quality threat is discovered at the site.

Sincerely

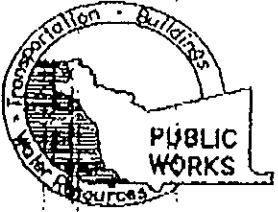

Steven R. Ritchie
Executive Officer

CC: Juliet Shin, ACDEH

RECEIVED

FEB 1 1993

AQUA SCIENCE ENG



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION

951 TURNER COURT, SUITE 300, HAYWARD, CA 94545-2651
PHONE (510) 670-5575 ANDREAS GODFREY FAX (510) 670-5262
(510) 670-5248 ALVIN KAN

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT
21065 FOOTHILL BLVD.
HAYWARD, CA

PERMIT NUMBER 90WR085
WELL NUMBER _____
APN _____

California Coordinates Source _____ ft Accuracy ± _____ ft.
CCN _____ ft. CCE _____ ft.
APN 914-51-37

PERMIT CONDITIONS

Circled Permit Requirements Apply

CLIENT MR. ROY BREITENBAUGH
Name C/O MR. MIKE TANZILLO & CO.
Address 20980 Redwood Rd. Phone _____
City CASPER VALLEY Zip 94546

(A) GENERAL

1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
2. Submit to ACPWA 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.

APPLICANT
Name AQUA SCIENCE ENGINEERS INC.
400 CHANVILLE ROSS FAX 510-837-4853
Address 2111 DELCROW CANYON #9 Phone 510-820-9391
City SAN RAMON Zip 94583

B. WATER SUPPLY WELLS

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.

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

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

PROPOSED WATER SUPPLY WELL USE
New Domestic Replacement Domestic
Municipal Irrigation
Industrial Other _____

D. 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
Cable Other PRESSURE GROUT

E. CATHODIC

Fill hole above anode zone with concrete placed by tremie.

DRILLER'S LICENSE NO. 057-720904

(F) WELL DESTRUCTION

See attached.

WELL PROJECTS
Drill Hole Diameter 8 in. Maximum Depth 30 ft.
Casing Diameter 2 in. Number MY-1
Surface Seal Depth 5 ft.

G. SPECIAL CONDITIONS

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

ESTIMATED STARTING DATE 3-5-98
ESTIMATED COMPLETION DATE 3-5-98

APPROVED [Signature] DATE 2/25/98

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

APPLICANT'S SIGNATURE [Signature] DATE 2-25-98

Post-it® Fax Note	7671	Date	<u>2-25-98</u>	# of pages	<u>3</u>
To	<u>ALVIN KAN</u>	From	<u>CHARLIE ROSS</u>		
Co./Dept	<u>ACPWA</u>	Co.	<u>ASE</u>		
Phone #	<u>670 5148</u>	Phone #	<u>820 9391</u>		
Fax #	<u>670 5262</u>	Fax #	<u>837 4853</u>		

CONFIDENTIAL


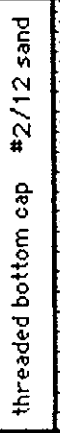


STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

DEPTH FEET	SOILS/ROCK DESCRIPTION	GRAPHIC LOG	BACKFILL DETAILS	REMARKS
0-			flush well cover	
1-	3" asphalt			
2-	clay fill, dk. gray and brown mixed, silty 10%, sandy v. fine <10%, damp, stiff			no odors
3-				
4-	clay, dk. olive gray, silty 10%, sandy v. fine <10%, stiff, damp. (CH)			
5-				soil sample 5-6.5'
6-	sand, tan brown, v. fine to coarse gr., well graded, silty 10-20%, clay minor, occ. 3/8" gravel, mildly consolidated (SW)			no fuel odors
7-				
8-				
9-				
10-	Metamorphic rocks, green and multicolored, pervasive quartzose fractures 1/16" wide on 1/2" grid, silty tan brown matrix 10-20%, heavy Fe Ox and Mn Ox staining, friable, hard, damp			soil sample 10-11'
11-				no odors
12-				
13-				
14-	Meta-mafic granitic rocks			
15-				soil sample 15-15.5'
16-	Mafic, granitic rocks, metamorphosed, olive green gray, rusty, brickred, tan, gray mottled, v. fine to coarse gr., well graded, silty 10-20%, hard, fractured, Fe Ox and Mn Ox staining abundant			no odors
17-				
18-				
19-				
20-				soil sample 20'
21-				refusal
22-				
23-				
24-				
25-				
26-				
27-				
28-				
29-				
30-	Meta-granite (diabase/gabbro as per USGS Open File Report # 80-540, "Preliminary Geologic Map of the Hayward Quadrangle..." by Thomas Dibblee, Jr., 1980)			sample 30' refusal
31-				
32-				
33-				
34-				
35-				

Logged by: G. Gouvea Date Logged: 1-30-92
Rig/Driller: B-61, Bill

AQUA SCIENCE ENGINEERS, INC.

DEPTH FEET	SOILS/ROCK DESCRIPTION	GRAPHIC LOG	BACKFILL DETAILS	REMARKS
35-	Meta-gabbro/diabase, highly altered, fractured, angular well graded, green-gray clayey matrix 10-20%, quartose fracture fillings, heavy Mn Ox, Fe Ox, 60% dark minerals, wet			35-
36-				36-
37-				37-
38-				38-
39-				39-
40-				40-
41-				41-
42-				42-
43-				43-
44-				44-
45-	as above, damp			37-
38-				38-
39-				39-
40-				40-
41-				41-
42-				42-
43-				43-
44-				44-
45-				45-
46-				46-
47-				47-
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59-				59-
60-				60-
61-				61-
62-				62-
63-	63-			
64-	64-			
65-	65-			
66-	66-			
67-	67-			
68-	68-			
69-	69-			
70-	70-			

Bottom of Hole 44'

▽ approx. 37'

sample 40-40.25'
refusal, no odor

sample 43.75-44'
refusal, no odor