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**HYDRO ANALYSIS, INC.**  
*Environmental & Water Resources Engineering  
Groundwater Consultants*

Alameda County  
JUN 17 2004  
Environmental Health

June 15, 2004

## **CERTIFICATION OF WELL DESTRUCTION**

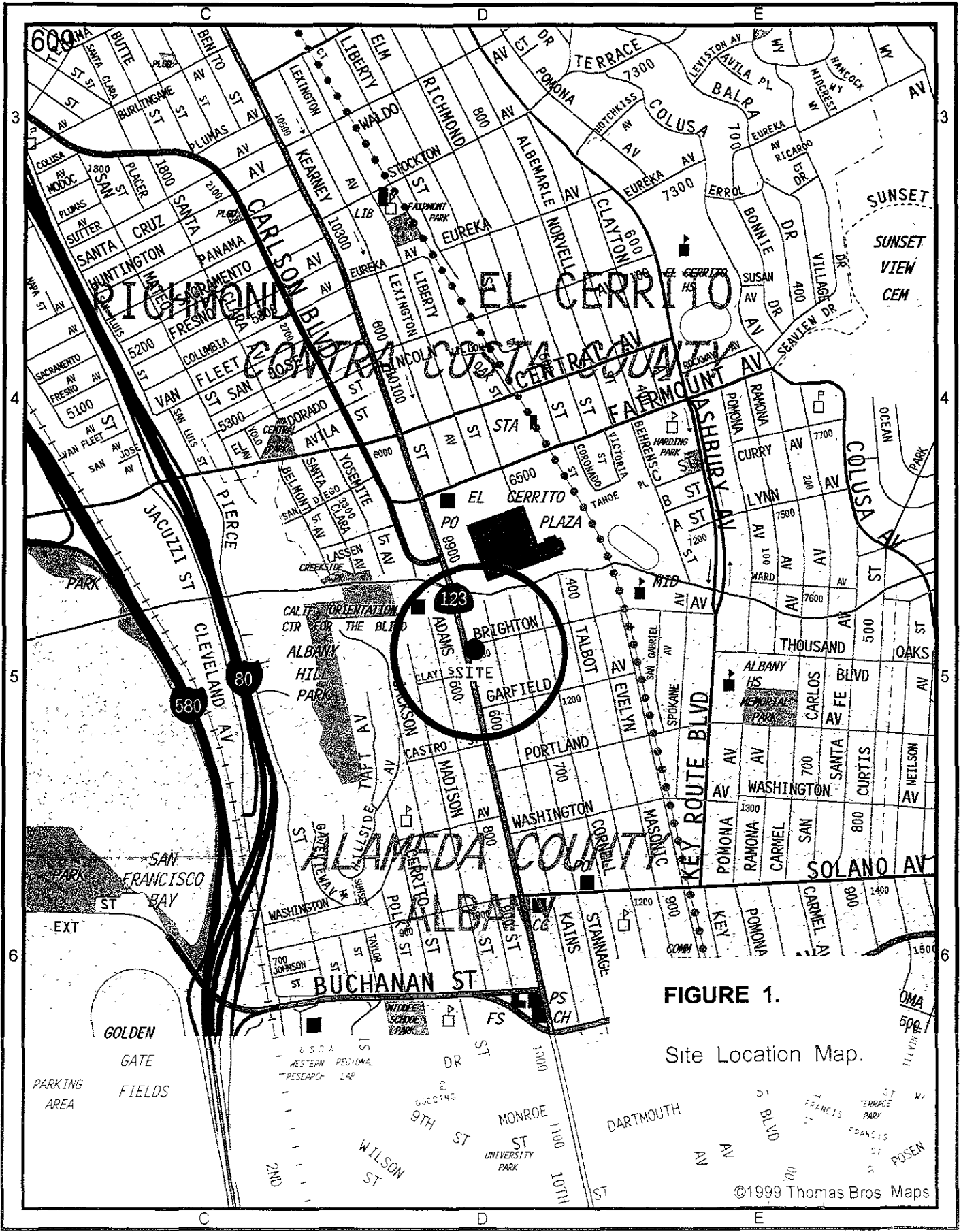
### **FORMER GRANHOLT SHEET METAL**

501 San Pablo Avenue  
Albany, California

#### **Introduction**

The subject site is the property located at 501 San Pablo Avenue, Albany, California. The location of the site is shown in Figure 1.

This report describes the destruction of the one existing shallow groundwater monitoring well at the subject site (well MW-1). The destruction was conducted at the Request of Alameda County Environmental Health in order to facilitate closure of the Leaking Underground Fuel Tank (LUFT) Case. The subject site had previously been the location of Granholt Sheet Metal and historically operated one 550-gallon underground gasoline storage tank for a number of years. The underground storage tank was removed from the property in November, 1989.



**FIGURE 1.**  
Site Location Map.

©1999 Thomas Bros Maps

Since the time of the monitoring well installation, the site has been redeveloped into a commercial property. The current tenant of the property is Blockbuster Video.

### **Permitting**

Prior to conducting the well destruction activities at the site, a Drilling Permit Application was submitted to and approved by James Yoo of Alameda County Public Works Agency. A copy of the permit is provided in Attachment B.

### **Monitoring Well Destruction**

On June 14, 2004, the shallow groundwater monitoring well MW-1 at the subject site was destroyed. The location of the destroyed monitoring well is shown in Figure 2.

The work was conducted by Gregg Drilling of Martinez, California, under the supervision of Randal Wilson of Hydro Analysis, Inc. At that time the total depth of the well was measured at 14.65 feet below ground surface. Prior to the well destruction, the depth to water was measured at 10.92 feet below ground surface. The well was destroyed by pressure-grouting with "neat" Portland cement, in accordance with the Alameda County permit conditions. A grout pressure of 30-40 psi was applied to the well for a period of 5 minutes.

Upon completion of the pressure-grouting, the well box was removed. The top 4' of casing was drilled out, and the hole was filled to grade with of Portland cement concrete.

A copy of the completed DWR Form 188 is provided in Attachment C.

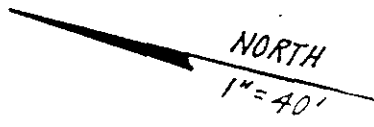
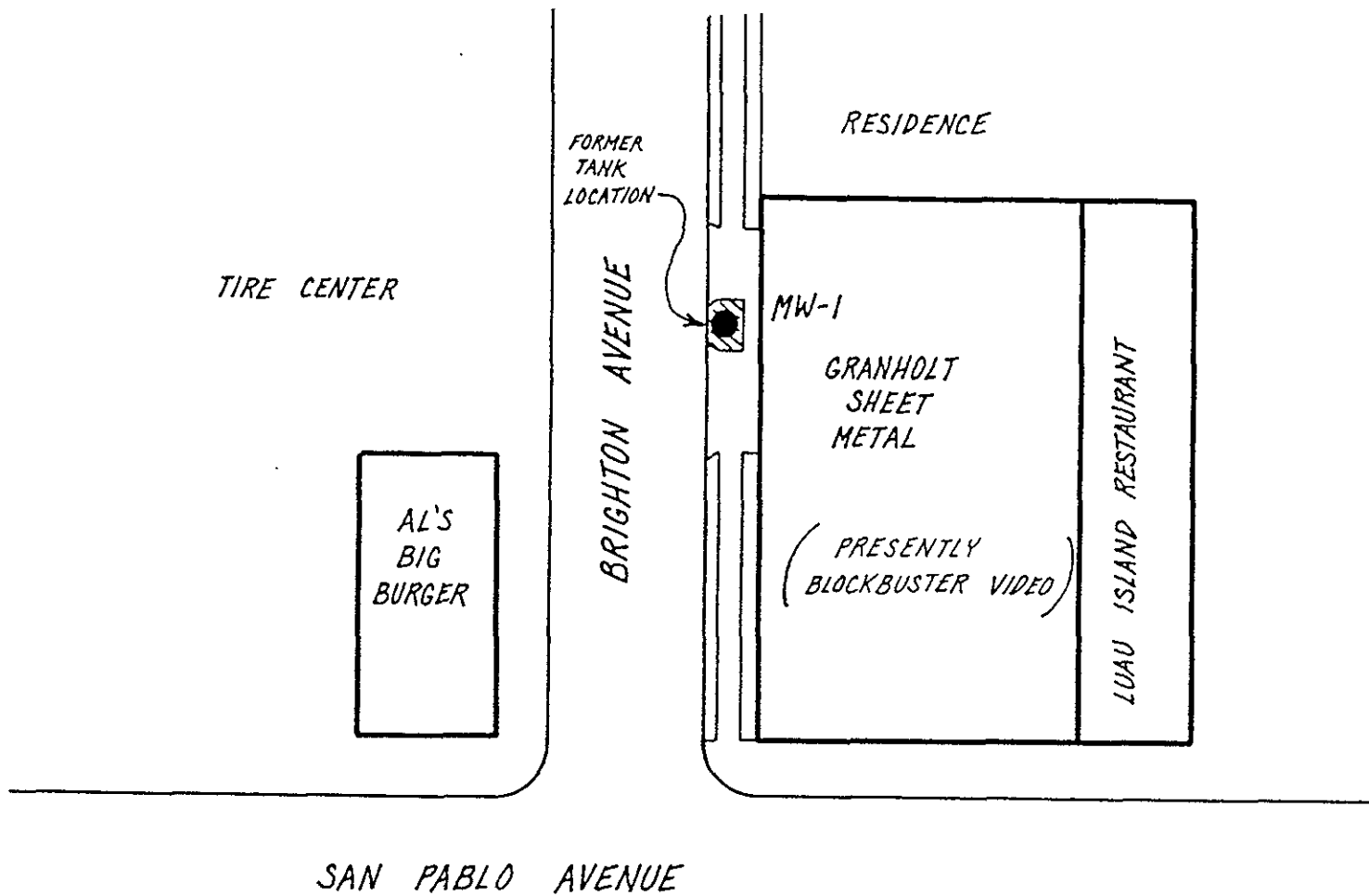
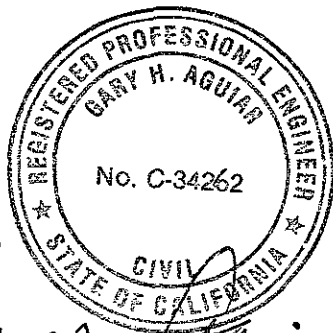


FIGURE 2.

Site Map

CERTIFICATION OF WELL DESTRUCTION  
FORMER GRANHOLT SHEET METAL  
501 San Pablo Avenue, Albany, CA

June 15, 2004



*Gary Aguiar*

*EXP. 9-30-05*

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**Gary Aguiar**

**RCE 34262**

# **ATTACHMENT A**

**Correspondence**

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY  
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES  
ENVIRONMENTAL PROTECTION  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577  
(510) 567-6700  
FAX (510) 337-9335

September 27, 2000

Fred Granholt  
P.O. Box 798  
Burney, CA 96013

Dear Mr. Granholt:

Subject: Granholt Sheet Metal, 501 San Pablo Ave., Albany, CA 94706  
StId 1756

This office and the California Regional Water Quality Control Board, San Francisco Bay Region, have reviewed the case closure summary for the above referenced site and concur that no further action related to the underground tank release is required at this time. Before a remedial action completion letter is sent, the onsite monitoring well, MW-1, must be decommissioned. Please submit a copy of the well destruction permit and a report of the well destruction so a closure letter can be issued. (Well destruction permits may be obtained from James Yoo, Alameda County Public Works Agency, at 510/670-6633.)

If you have any questions, I can be reached at (510) 567-6746.

Sincerely,

Don Hwang  
Hazardous Materials Specialist

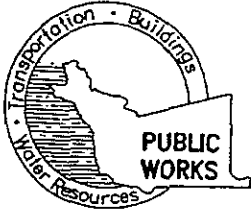
*u*  
C: ✓ Renee L. Athey, Hageman-Aguilar, Inc., 11100 San Pablo Ave., Suite 200-A, El Cerrito,  
CA 94530

file

**ATTACHMENT B**

**Permit**





# ALAMEDA COUNTY PUBLIC WORKS AGENCY

**WATER RESOURCES SECTION**  
399 ELMHURST ST. HAYWARD CA. 94544-1395  
PHONE (510) 670-6633 James Yoo  
FAX (510) 782-1939

APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS  
DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION

## DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT \_\_\_\_\_  
501 San Pablo Ave  
Albany, CA

PERMIT NUMBER W04-0635  
WELL NUMBER \_\_\_\_\_  
APN \_\_\_\_\_

CLIENT  
Name Telok Management  
Address 1055 Corporate Center Dr. Phone (323)262-1177  
City Monterey Park, CA Zip 91754

APPLICANT  
Name Hydro Analysis, Inc.  
Address 11100 San Pablo Ave Fax (510)620-0894  
Address suite 200-A Phone (510)620-0891  
City El Cerrito, CA Zip 94530

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

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

DRILLING METHOD:  
Mud Rotary  Air Rotary  Auger   
Cable  Other  **PRESSURE GROUT**

DRILLER'S NAME Gregg Drilling  
DRILLER'S LICENSE NO. C-57 #485165

WELL PROJECTS (WELL DESTRUCTION)  
Drill Hole Diameter 8 in. Maximum  
Casing Diameter 2 in. Depth 15 ft.  
Surface Seal Depth 5 ft. Owner's Well Number MW-1

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

STARTING DATE 06/14/04  
COMPLETION DATE 06/14/04

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68  
APPLICANT'S SIGNATURE Gary Aguiar DATE 6/9/04  
PLEASE PRINT NAME: Gary Aguiar Rev 9-18-02

### PERMIT CONDITIONS

Circled Permit Requirements Apply

#### 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 original Department of Water Resources-Well Completion Report.
3. Permit is void if project not begun within 90 days of approval date.

#### 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.

#### 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.

#### D. GEOTECHNICAL

Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.

#### E. CATHODIC

Fill hole anode zone with concrete placed by tremie.

#### F. WELL DESTRUCTION

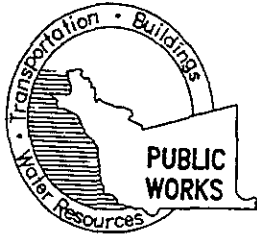
Send a map of work site. A separate permit is required for wells deeper than 45 feet.

#### G. SPECIAL CONDITIONS

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

APPROVED \_\_\_\_\_

DATE 6-11-04



## ALAMEDA COUNTY PUBLIC WORKS AGENCY

### WATER RESOURCES SECTION

399 ELMHURST ST. HAYWARD, CA. 94544-1395  
PHONE (510) 670-6633 James Yoo FAX (510) 782-1939

PERMIT NO. W04-0635

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WATER RESOURCES SECTION  
GROUNDWATER PROTECTION ORDINANCE  
Destruction of Wells (Less than 45 feet in depth)

Destruction Requirements: PRESSURE GROUTING # 1

- 1) Remove any casing(s) and annular seal to 3-5 feet below finished grade of original ground, whichever is the lower elevation. If well(s) are obstructed, then drill out to original depth.
- 2) Destroy well by grouting neat cement with a tremie pipe or pressure grouting (25 psi for 5min.) to the bottom of the well and by filling with neat cement to three (3-5) feet below surface grade. Allow the sealing material to spill over the top of the casing to fill any annular space between casing and soil.
- 3) After the seal has set, backfill the remaining hole with concrete or compacted material to match existing conditions.
- 4) Drilling permits are valid from the start date to the completion date. Permits can be extended by a phone call, but drilling permit applications will not be extended beyond 90 days from the approved start date. **Permit is valid from June 14 to July 14, 2004.**
- 5) Permittee, permittee's, contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on- or off site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.
- 6) Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. This permit may be voided if it contains incorrect information.
- 7) Drilling Permit(s) can be voided/ canceled only in writing. It is the applicants responsibilities to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.
- 8) Compliance with the above well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section. within 60 days Including: permit number and site map.
- 9) Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency its officers agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including but not limited to, property damage personal injury and wrongful death.

**ATTACHMENT C**

**DWR Form 188**

**CONFIDENTIAL**

STATE OF CALIFORNIA DWR  
WELL COMPLETION REPORT  
(WELL LOGS)

**REMOVED**



HYDRO ANALYSIS, INC.

Environmental & Water Resources Engineering  
Groundwater Consultants

June 15, 2004

**Don Hwang**  
**Alameda County Environmental Health**  
**1131 Harbor Bay Parkway, suite 250**  
**Alameda, CA 94502-6577**

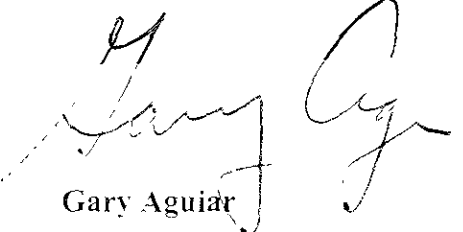
ALAMEDA COUNTY  
JUN 17 2004  
Environmental Health

**Re: Granholt Sheet Metal**  
501 San Pablo Ave, Albany, CA

Dear Mr. Hwang:

Please find enclosed a copy of the "Certification of Well Destruction, Former Granholt Sheet Metal, 501 San Pablo Avenue, Albany, CA" by Hydro Analysis, Inc., dated June 15, 2004. This report provides documentation of the monitoring well destruction, as required in your letter to Fred Granholt, dated September 27, 2000. The report includes a copy of the well destruction permit. In fulfillment of your requirements, we expect that Alameda County can now issue a closure letter for the site.

If you have any questions, please contact me at (510)620-0891.

  
Gary Aguiar  
Principal Engineer