

HAGEMAN-AGUIAR, INC.  
*Environmental & Water Resources Engineering  
Groundwater Consultants*

ENVIRONMENTAL  
PROTECTION

98 DEC 18 PM 3:47

December 7, 1998

## CERTIFICATION OF WELL DESTRUCTION

ADOBE PLAZA  
3098 Castro Valley Boulevard  
Castro Valley, California

SHD 662

### Introduction

The site is the Adobe Plaza shopping center at 3098 Castro Valley Boulevard in Castro Valley, California. The location of the site is shown in Figure 1.

On July 27, 1988, two 10,000-gallon Gasoline underground storage tanks were removed from the site. The excavated soil was aerated on-site and used as backfill once laboratory analysis of the soil samples collected from the aerated soil revealed non-detectable levels of petroleum hydrocarbon constituents. Due to the possibility of impact to groundwater, three shallow groundwater monitoring wells were installed on the site on August 11, 1989. Five quarterly and three semi-annual groundwater sampling events were subsequently conducted. Based upon the non-detectable levels of petroleum hydrocarbons in the groundwater, the Leaking Underground Fuel Tank case at this site has been classified as "closed" by the Environmental Protection Department of the Alameda County Health Care Services Agency.

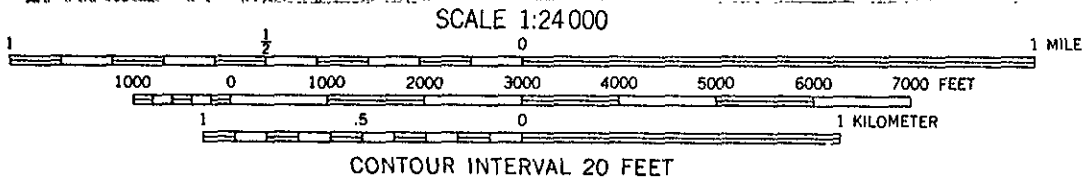


FIGURE 1. Site Location Map.

**Permitting**

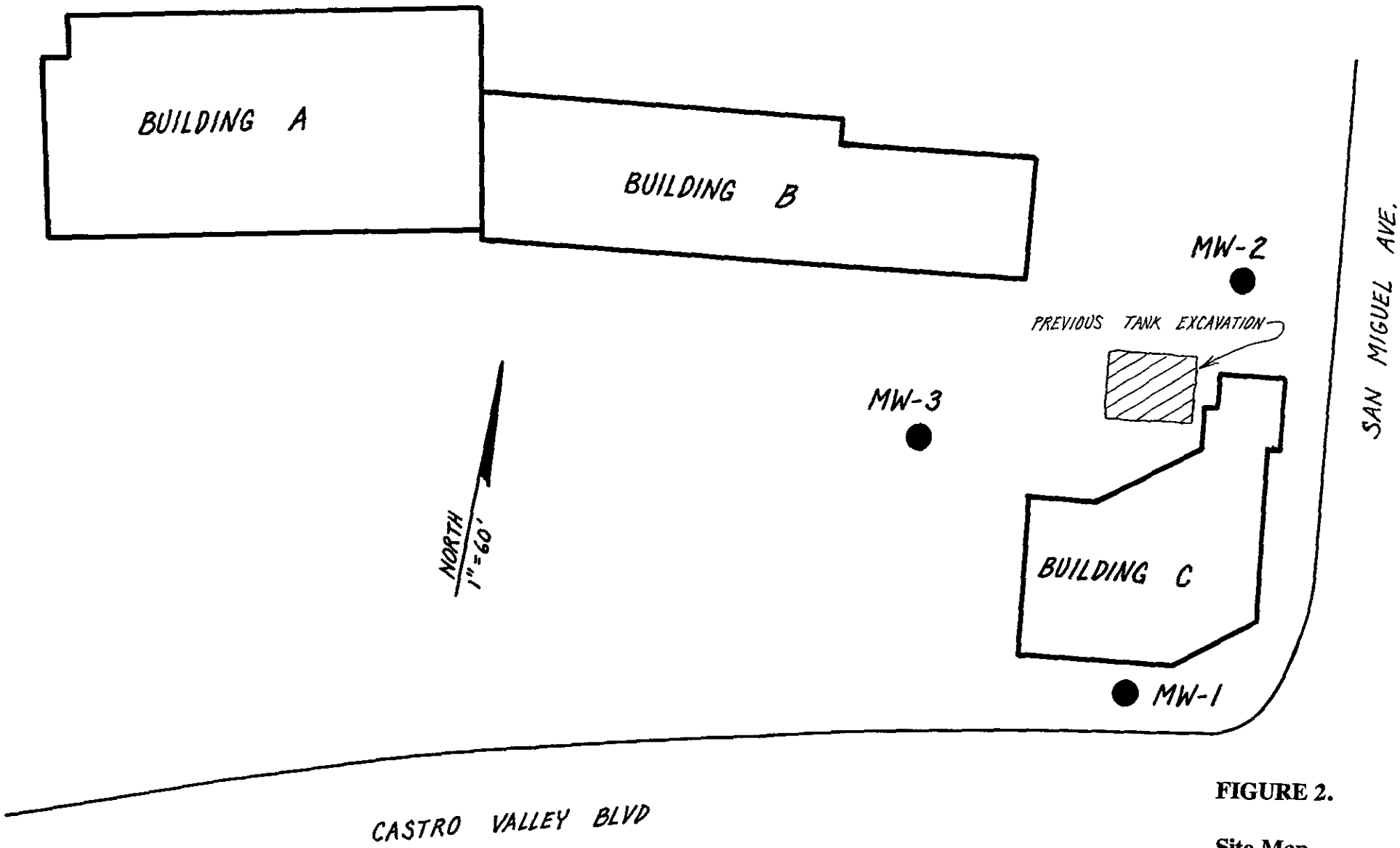
Prior to conducting the well destruction activities at the site, a Well Destruction Permit was obtained from the Water Resources Department of the Alameda County Public Works Agency (Permit No. 98WR501). A copy of the permit is provided in Attachment A.

**Monitoring Well Destruction**

On December 3, 1998, shallow groundwater monitoring wells MW-1, MW-2, and MW-3 were destroyed. The locations of the destroyed monitoring wells are shown in Figure 2.

The work was conducted by West Hazmat Drilling Corporation of Newark, California, under the supervision of Hageman-Aguilar, Inc. Prior to the well destruction, the total depth of each well below ground surface was sounded:

WELL	TOTAL DEPTH (FEET)
MW-1	23
MW-2	20
MW-3	23



**FIGURE 2.**  
**Site Map.**

Each well was tremmie grouted to displace the water in the well. Monitoring well MW-1 was destroyed by pressure grouting with approximately 20 p.s.i. of pressure with “neat” Portland cement. Monitoring wells MW-2 and MW-3 were destroyed by pressure-grouting with 25 p.s.i. of pressure for 5 minutes with “neat” Portland cement. Upon completion of the pressure-grouting, the well box at each location was removed. The destroyed wells were then covered with landscaping materials.

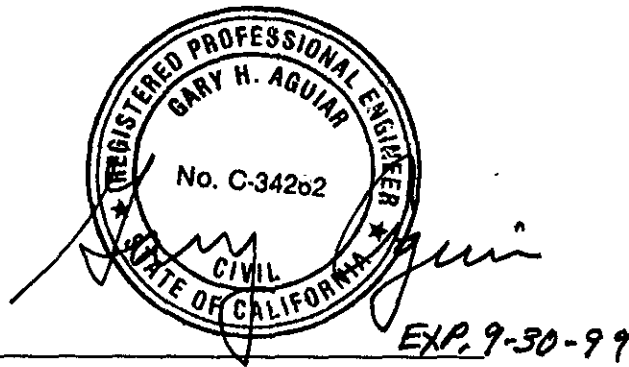
Copies of the completed DWR 188 Forms are provided in Attachment B.

**CERTIFICATION OF WELL DESTRUCTION**

**ADOBE PLAZA**

**3098 Castro Valley Boulevard, Castro Valley, CA**

**December 7, 1998**



**Gary Aguiar**

**RCE 34262**

A handwritten signature in cursive script, reading "Renee L. Athey".

**Reneé L. Athey**

**Staff Engineer**

# **ATTACHMENT A**

## **Well Destruction Permit**



# ALAMEDA COUNTY PUBLIC WORKS AGENCY

## WATER RESOURCES SECTION

961 TURNER COURT, SUITE 306, HAYWARD, CA 94545-2651  
PHONE (510) 670-8875 ANDREAS GODFREY FAX (510) 670-5263  
(510) 670-5248 ALVIN KAN

### DRILLING PERMIT APPLICATION

#### FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 3098 Castro Valley  
Blvd. in Castro Valley, CA

California Coordinates Source \_\_\_\_\_ N. Accuracy # \_\_\_\_\_ ft.  
CCN \_\_\_\_\_ N. CCB \_\_\_\_\_ ft.  
APN \_\_\_\_\_

CLIENT Name Clifton Sherwood, Adobe Associates  
Address 30 Box 21073 Phone (510) 982-3106  
City Castro Valley Zip 94546

APPLICANT Name Haggaman-Aguilar, Inc. Gary Aguilar  
Address 1180 San Pablo Ave., Ste 200A Phone (510) 620-0811  
City El Cerrito 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  Destroy the wells  
by Pressure Grouting  
w/ Neat Cement.

WELL PROJECTS  
Drill Hole Diameter 8 in. Maximum Depth 30 ft.  
Casing Diameter 2 in. Number 3  
Surface Seal Depth 14 ft.

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

ESTIMATED STARTING DATE 12-03-98  
ESTIMATED COMPLETION DATE 12-03-98

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-66.

APPLICANT'S SIGNATURE [Signature] DATE 11/17/98

#### FOR OFFICE USE

PERMIT NUMBER 98WR501  
WELL NUMBER \_\_\_\_\_  
APN \_\_\_\_\_

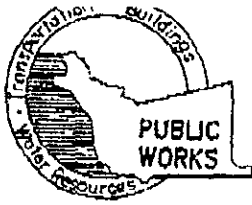
#### PERMIT CONDITIONS

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 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 SUPPLY WELLS**
  1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
  2. Minimum seal depth is 30 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 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.
- E. CATHODIC**  
Fill hole above anode zone with concrete placed by tremie.
- F. WELL DESTRUCTION**  
See attached.
- G. SPECIAL CONDITIONS**

APPROVED [Signature] DATE 11/24/98





# 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

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WATER RESOURCES SECTION  
GROUNDWATER PROTECTION ORDINANCE  
For Pressure Grouting of Monitoring Well

3098 CASTRO VALLEY BLVD

CASTRO VALLEY

PERMIT NO. 98WR501

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.

**CONFIDENTIAL**

STATE OF CALIFORNIA DWR  
WELL COMPLETION REPORT  
(WELL LOGS)

**REMOVED**

**CONFIDENTIAL**

STATE OF CALIFORNIA DWR  
WELL COMPLETION REPORT  
(WELL LOGS)

**REMOVED**

**CONFIDENTIAL**

**STATE OF CALIFORNIA DWR  
WELL COMPLETION REPORT  
(WELL LOGS)**

**REMOVED**