

STID 385

10 February 1997  
14543.0001

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

Attention: Ms. Susan L Hugo

SUBJECT: DESTRUCTION OF GROUNDWATER MONITORING WELLS AT 1461  
PARK AVENUE, EMERYVILLE, CALIFORNIA 94608

97 FEB 11 AM 10:16  
ENVIRONMENTAL  
PROTECTION

Dear Ms. Hugo:

At the request, and on behalf of Union Bank of California, ATC Associates Inc. (ATC) is pleased to submit this letter report documenting the destruction of three (3) groundwater monitoring wells (MW-1, MW-2 and MW-3) located at 1461 Park Avenue in Emeryville, California (Figure 1 and Figure 2) The Alameda County Health Care Services Agency (ACHCSA) letter dated 8 January 1997 states that no further action is required at the site concerning the removal of two underground storage tanks at the site. As presented in the letter, following the decommissioning of the monitoring well, the ACHCSA will issue the "Remedial Action Completion Certification" for the site.

**OBJECTIVE**

The objective of the work presented in this letter report was to destroy three groundwater monitoring wells located on the site.

**SCOPE**

- Task 1 Permit Preparation and Well Abandonment; and
- Task 2 Preparation of this Letter Report.



**FIELD WORK**

A permit for the destruction of the wells was submitted to, and approved by, the Alameda County Flood Control and Water Conservation District (ACFCD), Zone 7. A copy of the permit, number 97052, is attached to this letter report. As required by the ACHCSA, ATC notified personnel from the ACHCSA 72 hours prior to the field activities in our letter dated 24 January 1997 which was submitted by facsimile and US mail.

The three groundwater monitoring wells located on the site were destroyed in general accordance with the ACFCD, Zone 7 guidelines, which regulates the classification, construction and destruction of wells. The 2-inch diameter groundwater monitoring wells reportedly extended to a depth of 20-feet below ground surface each. The well seals and casings were over-drilled using a truck-mounted drill rig equipped with hollow-stem augers of larger diameter than the existing well borings. The drilling services were provided by Gregg Drilling and Testing, Inc. of Martinez, California. The well casings were pulled and the borings were backfilled with cement grout. The surface of the former wells was sealed with concrete.

Four drums of waste cuttings was generated during destruction of the wells. The soil and waste generated during the well destruction has been scheduled for characterized and disposed in general accordance with local, state, and federal guidelines. The disposal of the drum will occur in the month of February

If you have any questions or comments regarding the information presented in this letter, please feel free to contact me at your convenience at (408) 474-0280.

Sincerely,  
ATC Associates Inc

  
ALEX J. GALLEGO, RG 6349  
Project Manger

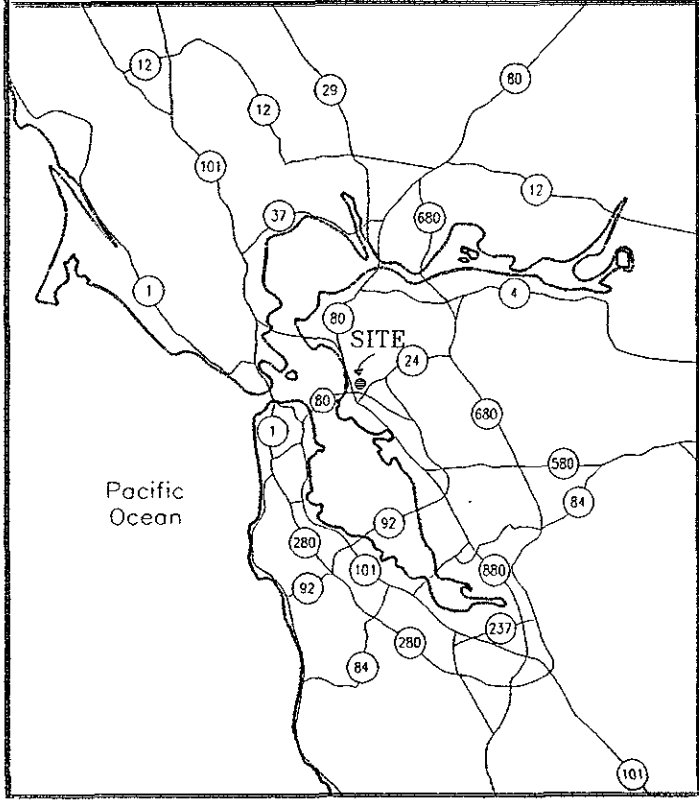
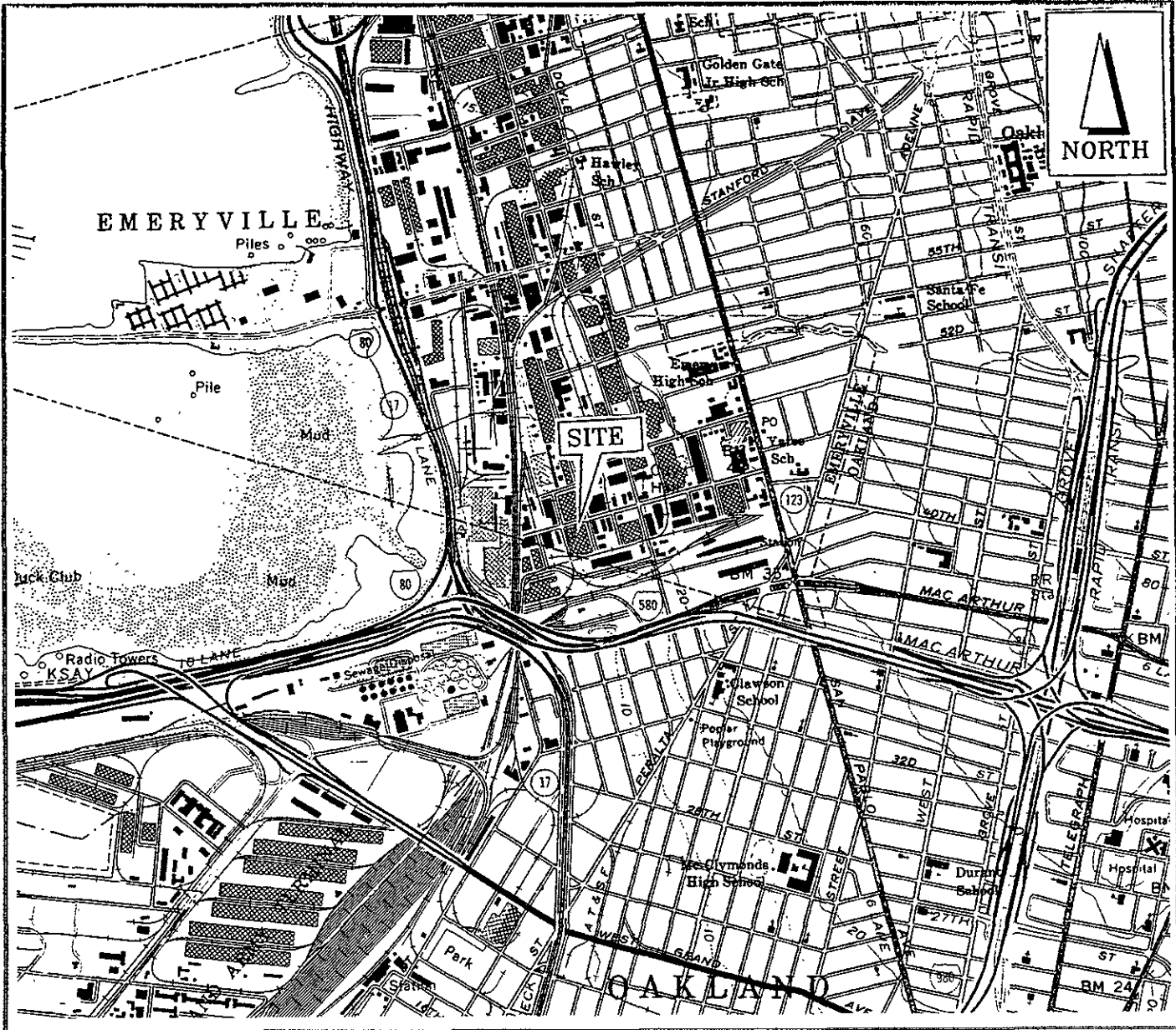
cc: Ms. Susan E. McCormack, Union Bank of California

ENVIRONMENTAL  
PROTECTION  
97 FEB 11 AM 10:16

Monitoring Well Destruction  
1461 Park Avenue, Emeryville, California

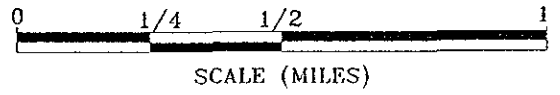
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## **SITE FIGURES**



Notes

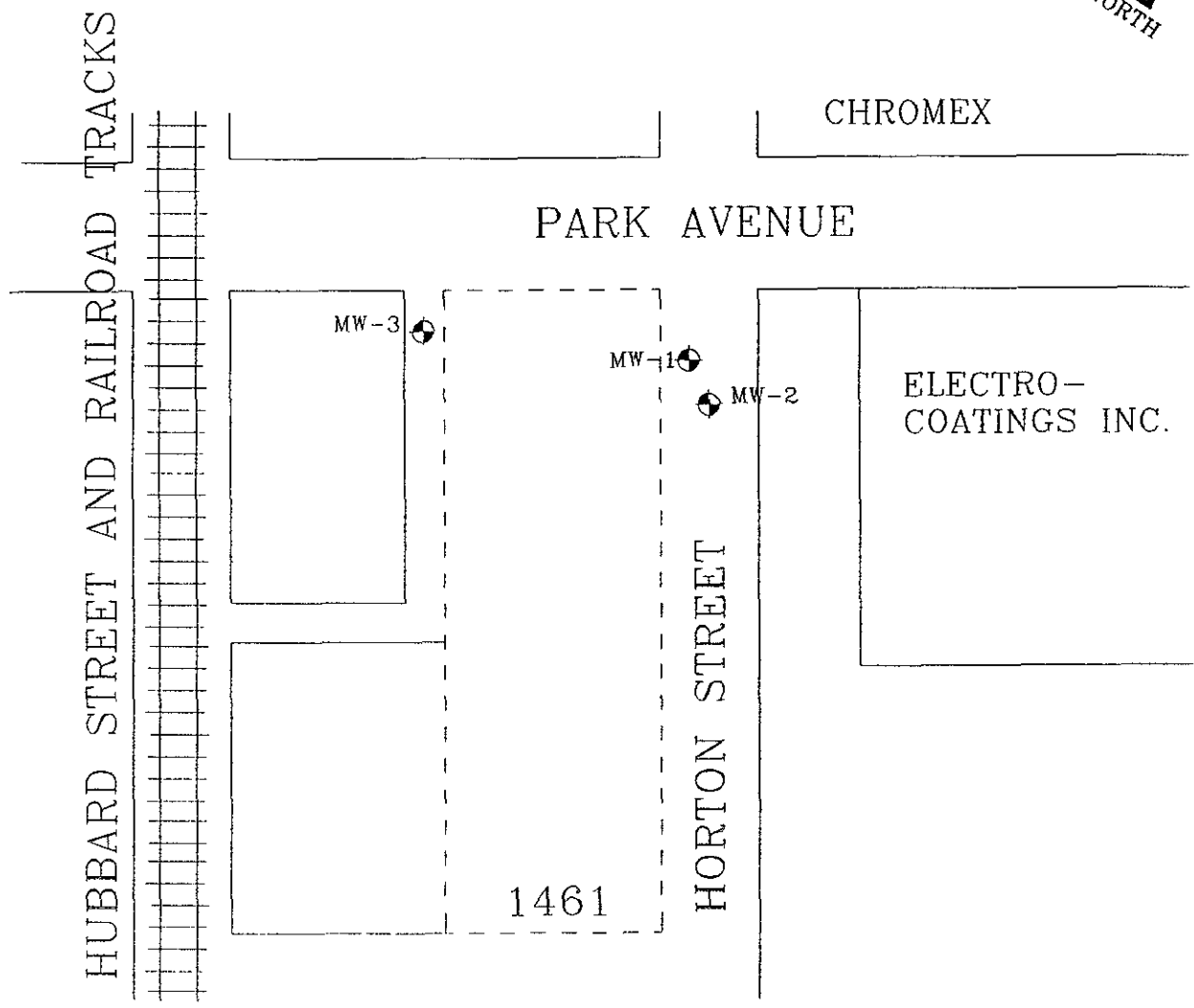
- 1) All locations and dimensions are approximate.
- 2) Base map from USGS Oakland West (1959), 7.5 Minute Series Topographic, Photorevised 1980




**ATC** ENVIRONMENTAL INC.  
Solutions for Environmental Concerns

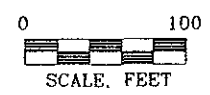
SITE LOCATION MAP  
WATSON TRUST  
1641 PARK AVENUE  
OAKLAND, CALIFORNIA

PROJECT NO. 14543.0001 | FIGURE 1



EXPLANATION

MW-3  FORMER DESIGNATION AND LOCATION OF DESTROY MONITORING WELLS.



--- BUILDING BOUNDARY  
NOTES:

- 1) ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
- 2) SITE PLAN BASED ON OBSERVATIONS MADE DURING SITE RECONNAISSANCE AND FIGURES PREPARED BY BLAKELY ENVIRONMENTAL, INC., DATED JULY 1995.

SITE PLOT PLAN WATSON TRUST 1461 PARK AVENUE EMERYVILLE, CALIFORNIA	
PROJECT NO. 14543.0001	FIGURE 2

Monitoring Well Destruction  
1461 Park Avenue, Emeryville, California

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**WELL DESTRUCTION PERMIT**



# ZONE 7 WATER AGENCY

5897 PARKSIDE DRIVE, PLEASANTON, CALIFORNIA 94588-5127 PHONE (510) 484-2600 X236  
FAX (510) 462-3914

## DRILLING PERMIT APPLICATION

### FOR APPLICANT TO COMPLETE

### FOR OFFICE USE

LOCATION OF PROJECT 1461 PARK AVE  
EMERYVILLE, CA

PERMIT NUMBER 97052  
WELL NUMBER 1S/4W 22G80 to 22G82

California Coordinates Source \_\_\_\_\_ ft. Accuracy ± \_\_\_\_\_ ft.  
CCN \_\_\_\_\_ ft. CCE \_\_\_\_\_ ft.  
APN \_\_\_\_\_

**SEE ATTACHED PERMIT CONDITIONS**

Circle 3 Permit Requirements Apply

CLIENT  
Name UNION BANK OF CALIFORNIA  
Address 17800 CASTLETON ST, STE 580 Phone 918 810 6594  
City INDUSTRY, CA 91788 Zip \_\_\_\_\_

**A.**

#### GENERAL

1. A permit application should be submitted so as to arrive at Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permit work the original Department of Water Resources Water Drillers Report or equivalent for well projects, or drilling and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

APPLICANT  
Name ATC ENVIRONMENTAL INC.  
Address 2380 QUINE DRIVE, APC Phone 408 434 0280  
City SAN JOSE, CA Zip 95131

#### 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 lesser depth is specially approved.

TYPE OF PROJECT

Well Construction	Geotechnical Investigation
Cathodic Protection <input type="checkbox"/>	General <input type="checkbox"/>
Water Supply <input type="checkbox"/>	Contamination <input type="checkbox"/>
Monitoring <input type="checkbox"/>	Well Destruction <input checked="" type="checkbox"/>

#### 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 <input type="checkbox"/>	Replacement Domestic <input type="checkbox"/>
Municipal <input type="checkbox"/>	Irrigation <input type="checkbox"/>
Industrial <input type="checkbox"/>	Other _____ <input type="checkbox"/>

#### D. GEOTECHNICAL. Backfill bore hole with compacted cutting heavy bentonite and upper two feet with compacted material areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

DRILLING METHOD:

Mud Rotary <input type="checkbox"/>	Air Rotary <input type="checkbox"/>	Auger <input checked="" type="checkbox"/>
Cable <input type="checkbox"/>	Other <input type="checkbox"/>	

#### E. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

DRILLER'S LICENSE NO. C-57 / 485165

#### F. WELL DESTRUCTION. See attached.

WELL PROJECTS

Drill Hole Diameter _____ in.	Maximum _____
Casing Diameter <u>2</u> in.	Depth <u>22</u> ft.
Surface Seal Depth _____ ft.	Number <u>3</u>

#### G. SPECIAL CONDITIONS

GEOTECHNICAL PROJECTS

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

ESTIMATED STARTING DATE 1/31/97  
ESTIMATED COMPLETION DATE 1/31/97

Approved Nyman Hong Date 24 Jan 97  
Nyman Hong

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

APPLICANT'S SIGNATURE Alex Dalley Date 1/21/97

January 24, 1997

ZONE 7  
WATER RESOURCES ENGINEERING  
DRILLING ORDINANCE

UNION BANK OF CALIFORNIA  
1461 PARK AVENUE  
EMERYVILLE  
WELLS 1S/4W 23G80 TO 22G82  
PERMIT 97052

Destruction Requirements:

1. Drill out the well so that the casing, seal, and gravel pack are removed to the bottom of the well.
2. Sound the well as deeply as practicable and record for your report.
3. Using a tremie pipe, fill the hole to 2 feet below the lower of finished grade or original ground with neat cement.
4. After the seal has set, backfill the remaining hole with compacted material.

These destruction requirements as proposed by Alex Gallego of ATC Environmental meets or exceed the Zone 7 minimum requirements.