

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH  
State Water Resources Control Board  
Division of Clean Water Programs  
UST Local Oversight Program  
80 Swan Way, Rm 200  
Oakland, CA 94621  
(510) 271-4530

April 6, 1994  
STID 4369

**REMEDIAL ACTION COMPLETION CERTIFICATION**

Mr. Charles Chamness  
P.O. Box 92007-WWPC  
Los Angeles, CA 90009

SUBJECT: **Case Closure**  
**FAA Oakland Airport, ALS #2 Facility**  
**#1 Oakland Airport Dr., Oakland Int. Airport**  
**Oakland CA 94621**

Dear Mr. Chamness:

This letter confirms the completion of site investigation and remedial action for the former 2000 gallon diesel underground storage tank at the above site. With the provision that the information provided to this agency was accurate and representative of existing conditions, this office has determined that no further action is required at this time.

Based on the information submitted and current requirements, the RWQCB has also accepted the determination of this agency that no further action is required at this time. Further work could be required if conditions change or a water quality threat is discovered at the site.

If you have any questions regarding this letter, please give Barney Chan a call at (510) 271-4530.

Very truly yours,

Rafat A. Shahid  
Assistant Agency Director

cc: Edgar B. Howell, Chief, Hazardous Materials Division/files  
Rich Hiatt, RWQCB  
Mike Harper, SWRCB  
J. Waldman, Advanced Sciences Inc., 4909 Murphy Canyon Rd.,  
Suite 400, San Diego, CA 92123  
\* N. Werner, Port of Oakland, 530 Water St., Oakland 94607





Leaking Underground Fuel Storage Tank Program

IV CLOSURE (Continued)

Monitoring wells Decommissioned: NO

Number Decommissioned: 0 Number Retained: 3

List enforcement actions taken: None

List enforcement actions rescinded: None

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Barney Chan Title: Hazardous Materials Specialist

Signature: *Barney Chan* Date: 3/3/94

Reviewed by

Name: E. Chu Title: Hazardous Materials Specialist

Signature: *E. Chu* Date: 3/3/94

Name: T. Peacock Title: Sup. Haz Mat. Specialist

Signature: *Thomas Peacock* Date: 3-3-94

VI. RWQCB NOTIFICATION

Date Submitted to RB: March 4, 1994 RB Response:

RWQCB Staff Name: R. Hiett Title: San. Engineering Assoc. Date:

VII. ADDITIONAL COMMENTS, DATA, ETC.

Site Summary, FAA-ALS #2 Facility, StID # 4369

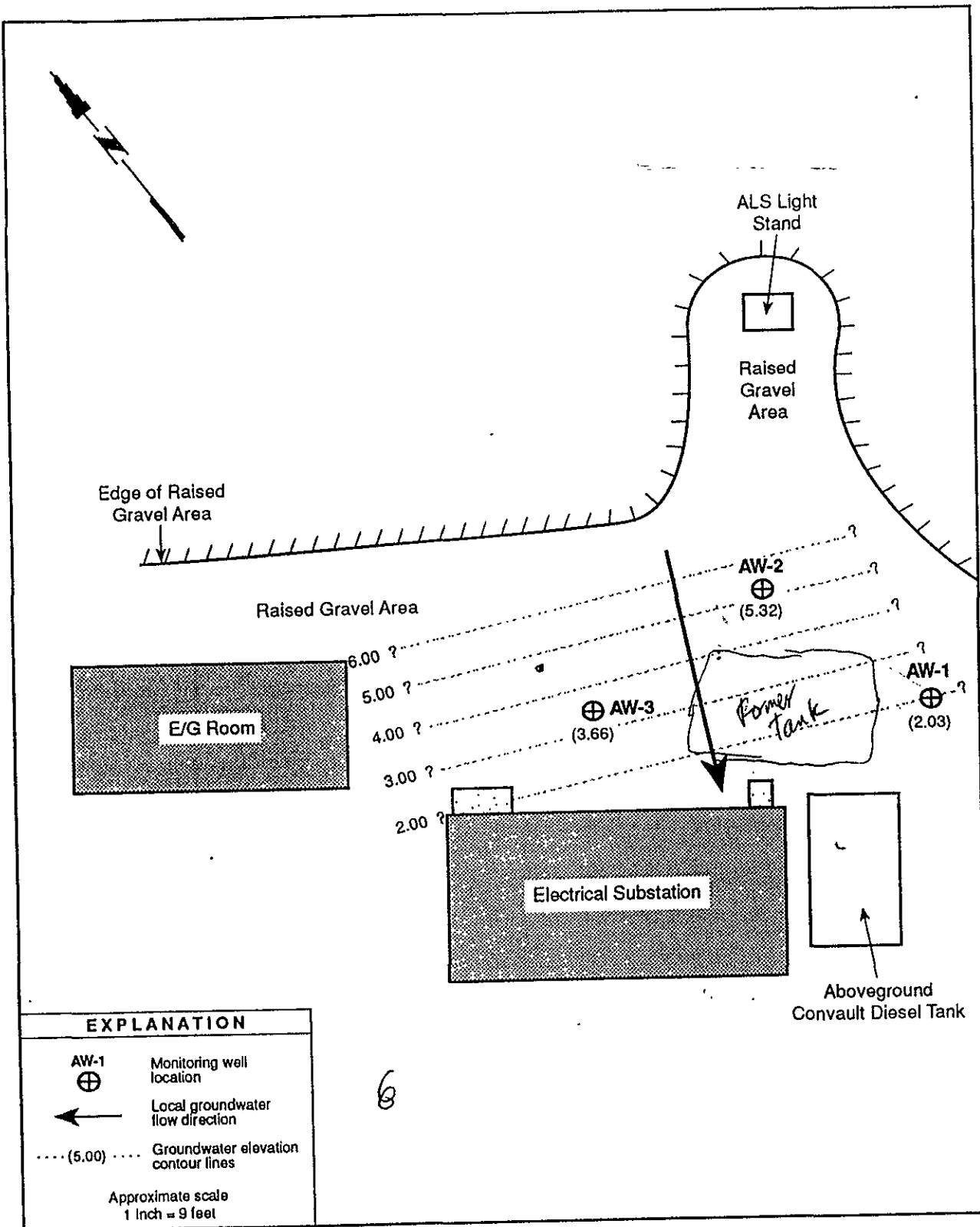
4/14/92 A 2000 gallon diesel tank used to fuel an emergency generator was removed from this site. Groundwater was encountered. Four sidewall soil samples were taken. Results were ND to 0.3 mg/kg diesel and ND for BTEX in the soil samples. A soil sample collected from the excavated stockpile soil exhibited 1100 ppm diesel and 0.0018, 0.033, 0.003 and 0.023 ppm BTEX respectively. A grab groundwater sample detected 22 mg/l diesel, and 1.8, 3.3, 3.0 and 23 ug/l BTEX respectively. Stockpiled soils reused due to instability of excavation against the recommendation of ACEH. Susan Hugo witnessed the tank removal.

8/13/92 Three monitoring wells, AW-1 through AW-3 installed around the tank pit. Soil samples from these wells contained no detectable hydrocarbons. Quarterly monitoring occurred on Oct. 14, 1992, January 19, April 29 and July 14, 1993. All results were ND for TPHd and BTEX.

6/30/93 Tank pit was overexcavated to 9', to the concrete hold-down slab. Isolated areas of contamination were noticed. Four soil samples from the corners of the excavation were sampled. Half of the piping run from the pit was removed, while the other half was left in place and capped due to the presence of subsurface utilities. One soil sample was taken under the end of the residual piping. All five soil samples were ND for TPHd and BTEX. The stockpiled soils were transported to Clean Soil Inc. for recycling.

One problem with this site is that the gradient is southwesterly as determined by MW elevation data. This means that a downgradient location to the former tank pit is under the electrical substation or under the above ground diesel tank. Groundwater downgradient to the former tank has really never been monitored. It does, however, appear that the surrounding soil has not been impacted. The groundwater in this area is close to the San Francisco Bay, has high conductivity and likely high dissolved solids. Although no monitoring well exists downgradient to the former tank, the two cross-gradient wells would likely detect a portion of the plume downgradient to the tank. In addition, the "groundwater" sample initially collected at the time of the removal did not reappear when the pit was overexcavated and exposed to the same depth.

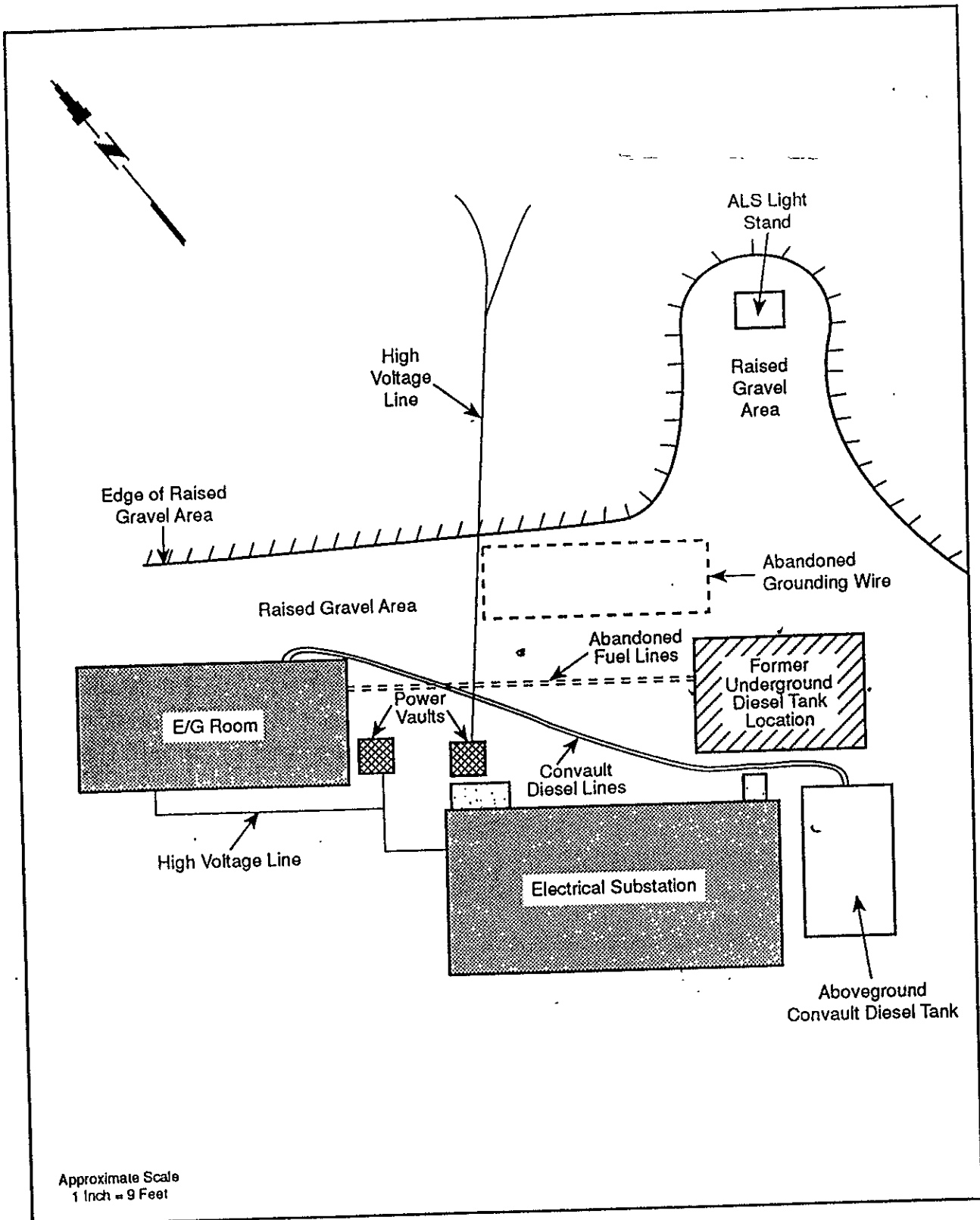
site maps included



Potentiometric Surface Map - 4/29/93  
 Federal Aviation Administration  
 Oakland International Airport ALS #2 Facility

PROJECT NO. 9788-73

FIGURE 3



Approximate Scale  
1 Inch = 9 Feet



**Site Plan  
Federal Aviation Administration  
Oakland International Airport ALS #2 Facility**

PROJECT NO. 9788-59  
FIGURE 2