

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



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

July 9, 1999  
StID # 1117

REMEDIAL ACTION COMPLETION CERTIFICATION

Sierra Academy of Aeronautics c/o  
Mr. Joel Tuttle  
9465 Earhart Rd.  
Oakland CA 94621

Port of Oakland c/o  
Mr. Dale Klettke  
530 Water St.  
Oakland CA 94607

RE: 9465 Earhart Road, Oakland 94621

Dear Messrs. Tuttle and Klettke:

This letter confirms the completion of site investigation and remedial action for the (2) two 10,000 gallon aviation fuel underground tanks at the above described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground tank is greatly appreciated.

Based upon the available information and with provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground tank releases is required.

This notice is issued pursuant to a regulation contained in Title 23, Division 3, Chapter 16, Section 2721 (e) of the California Code of Regulations.

Please contact Barney Chan at (510) 567-6765 if you have any questions regarding this matter.

Sincerely,

Mee Ling Tung  
Director, Environmental Health

c: B. Chan, Hazardous Materials Division-files  
Chuck Headlee, RWQCB  
Mr. Dave Deaner, SWRCB Cleanup Fund  
Mr. Leroy Griffin, City of Oakland OES, 505 14th St., Suite  
702, Oakland CA 94612

RACC9465Earhart

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Sierra Academy  
9465 Earhart Rd.  
Oakland CA 94621

Mr. Dale Klettke  
Port of Oakland  
530 Water St.  
Oakland CA 94607

**RE: Fuel Leak Site Case Closure, 9465 Earhart Rd., Oakland  
CA 94621**

Dear Messrs. Tuttle and Klettke:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with the Health and Safety Code, Chapter 6.75 (Article 4, Section 25299.37 h). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Health Services, Local Oversight Program (LOP) is required to use this case closure letter. We are also enclosing the case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site.

**Site Investigation and Cleanup Summary:**

Please be advised that the following conditions exist at the site:

\* 0.024 parts per million (ppm) methyl tert-butyl ether (MTBE) remain in the soil at the site.

\* 1.9 parts per billion (ppb) toluene and 35 ppb MTBE remain in groundwater at the site.

This site should be included in the City's permit tracking system. Please contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan  
Hazardous Materials Specialist

enclosures: Case Closure Letter, Case Closure Summary

c: Mr. L. Griffin, City of Oakland OES, 505 14th St., Suite  
702, Oakland CA 94612

B. Chan, files (letter only)

Tr1t9465

RB# 01-2475

JUN 29 1999

**CASE CLOSURE SUMMARY**  
**Leaking Underground Fuel Storage Tank Program** **QUALITY CONTROL BOARD**

**I. AGENCY INFORMATION**

**Date:** April 20, 1999

**Agency name:** Alameda County-HazMat **Address:** 1131 Harbor Bay Parkway  
Rm 250  
**City/State/Zip:** Alameda, CA 94502 **Phone:** (510) 567-6700

**Responsible staff person:** Barney Chan **Title:** Hazardous Materials Spec.

**II. CASE INFORMATION**

**Site facility name:** Sierra Academy of Aeronautics

**Site facility address:** 9465 Earhart Road, Oakland CA 94621

**RB LUSTIS Case No:** N/A **Local Case No./LOP Case No.:** 1117

**ULR filing date:** 4/19/99 **SWEEPS No:** N/A

<u>Responsible Parties:</u>	<u>Addresses:</u>	<u>Phone Numbers:</u>
1. Mr. Joel Tuttle c/o Sierra Academy	9465 Earhart Rd. Oakland CA 94621	(510) 430-0298
2. Mr. Dale Klettke c/o Port of Oakland	530 Water St. Oakland CA 94607	(510) 272-1118

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	10000	aviation fuel	removed	12/22/98
2	10000	aviation fuel	removed	12/22/98

**III RELEASE AND SITE CHARACTERIZATION INFORMATION**

**Cause and type of release:** unknown  
**Site characterization complete?** Yes

**Date approved by oversight agency:**

99 JUL -1 AM 9:43  
ENVIRONMENTAL  
PROTECTION

**Leaking Underground Fuel Storage Program**

Monitoring Wells installed? No Number:

Proper screened interval?

Highest GW depth: Lowest:

Flow direction:

Most sensitive current use: commercial/industrial

Are drinking water wells affected? Aquifer name: NA

Is surface water affected? Nearest affected SW name:

Off-site beneficial use impacts (addresses/locations): NA

Report(s) on file? Yes Where is report(s) filed?

Alameda County	City of Oakland
1131 Harbor Bay Parkway, Room 250	Fire Dept., OES Division
Alameda CA 94502-6577	505 14 <sup>th</sup> St., 7 <sup>th</sup> Floor
	Oakland CA 94612

**Treatment and Disposal of Affected Material:**

<u>Material</u>	<u>Amount (include units)</u>	<u>Action (Treatment of Disposal w/destination)</u>	<u>Date</u>
Tanks	2-10,000	Disposed, Erickson, Richmond	12/22/98
Soil	Approx 100cy	Will be reused at Airport as clean fill	
Groundwater	925 gallons	Disposed, Evergreen Env.	12/30/98
	1055 gallons	Disposed, Evergreen Env.	2/8/99
Rinseate/sludge	850 gallons	Disposed, Evergreen Env.	12/18/98

**Maximum Documented Contaminant Concentrations - - Before and After Cleanup**

<u>Contaminant</u>	<u>Soil (ppm)</u>		<u>Water (ppb)</u>	
	<u>1 Before</u>	<u>After</u>	<u>2 Before</u>	<u>3 After</u>
TPH (Gas)	ND		5200	ND
Benzene	ND		15	ND
Toluene	ND		34	1.9
Ethylbenzene	ND		5.1	ND
Xylenes	ND		13	ND
MTBE	0.024		38	35

**Leaking Underground Fuel Storage Tank Program**

**Comments (Depth of Remediation, etc.):**

**1 from original soil samples taken on 12/22/98**

**2 from original tank pit sample taken on 12/22/98**

**3 from tank pit after water removal and recharge on 1/4/99**

**IV. CLOSURE**

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Undetermined

Does corrective action protect public health for current land use? YES

Site management requirements: site to be included in City Permit Tracking System

Should corrective action be reviewed if land use changes? Yes

Monitoring wells Decommissioned: NA

Number Decommissioned:                      Number Retained:

List enforcement actions taken: none

List enforcement actions rescinded: NA

**V. LOCAL AGENCY REPRESENTATIVE DATA**

Name: Barney M. Chan                      Title: Hazardous Materials Specialist

Signature:  Date: 6/21/99

**Reviewed by**

Name: Tom Peacock                      Title: Manager

Signature:  Date: 6-21-99

Name: Eva Chu                              Title: Hazardous Materials Specialist

Signature:  Date: 4/2/99

## Leaking Underground Fuel Storage Tank Program

### VI. RWQCB NOTIFICATION

Date Submitted to RB:

RB Response:

*C. Headlee*

RWQCB Staff Name: C. Headlee

Title: EG

Date:

*6/29/99*

### VII. ADDITIONAL COMMENTS, DATA, ETC.

This site is located at the Oakland International Airport, along Earhart Road. See **Figure 1**. The two 10,000 gallon steel underground tanks contained aviation fuel to service the planes at the site. The tanks were located just south of the Sierra Academy building and laid end to end. See **Plate 1**.

On **December 22, 1998**, the City of Oakland was present to witness the removal of these two single-walled steel tanks. No holes were observed in the tanks. Groundwater with a sheen was observed in the pit, as was discolored soil. Because the fuel dispensers were located just north of the tanks, their former locations were excavated within the large tank pit excavation. Therefore, no soil samples from beneath the dispensers were taken. Three soil samples were taken from the tank pit at a depth of 13'; one from the north end, one from the south end and one from the middle, samples #1, #3 and #2, respectively. Two grab groundwater samples were collected from the accumulated groundwater from the south and north ends of the pit, samples #4 and #5, respectively. The results of the soil samples were ND for TPHg, BTEX and MTBE with the exception of sample #1 which detected 0.024 ppm MTBE. Up to 5,200 ppb TPHg, 15, 34, 13, 5.1 and 38 ppb of BTXE and MTBE, respectively, were exhibited in the grab groundwater samples.

Based upon these results, the City of Oakland requested that the groundwater be pumped from the pit and allowed to recharge. On **December 30, 1998**, 925 gallons of groundwater was removed from the tank pit. On **January 4, 1999**, two additional grab groundwater samples were taken, one from the north end (sample #1) and one from the south end (sample #2). Sample #1 exhibited ND TPHg, and ND, 1.9, ND, ND, 35 ppb BTXE and MTBE, respectively. Sample #2 exhibited only 14 ppb MTBE.

On **January 8, 1999** two four point composite soil samples were taken of the approximately 100 cubic yards of excavated soils. Composite #1 was ND for TPHg, BTEX and MTBE. Composite #2 exhibited only 0.005 ppm benzene and 0.008 ppm *toluene*, See **Plate 2** for the location of all samples.

## **Leaking Underground Fuel Storage Tank Program**

Based on these results, the City of Oakland permitted this soil to be reused as backfill. However, the contractor feared that they would not be able to obtain the necessary compaction in the backfill using this material (moist bay mud). The soil was, therefore, brought to an area on the Airport where construction material is stored. This soil is planned to be used as fill on future Port projects.

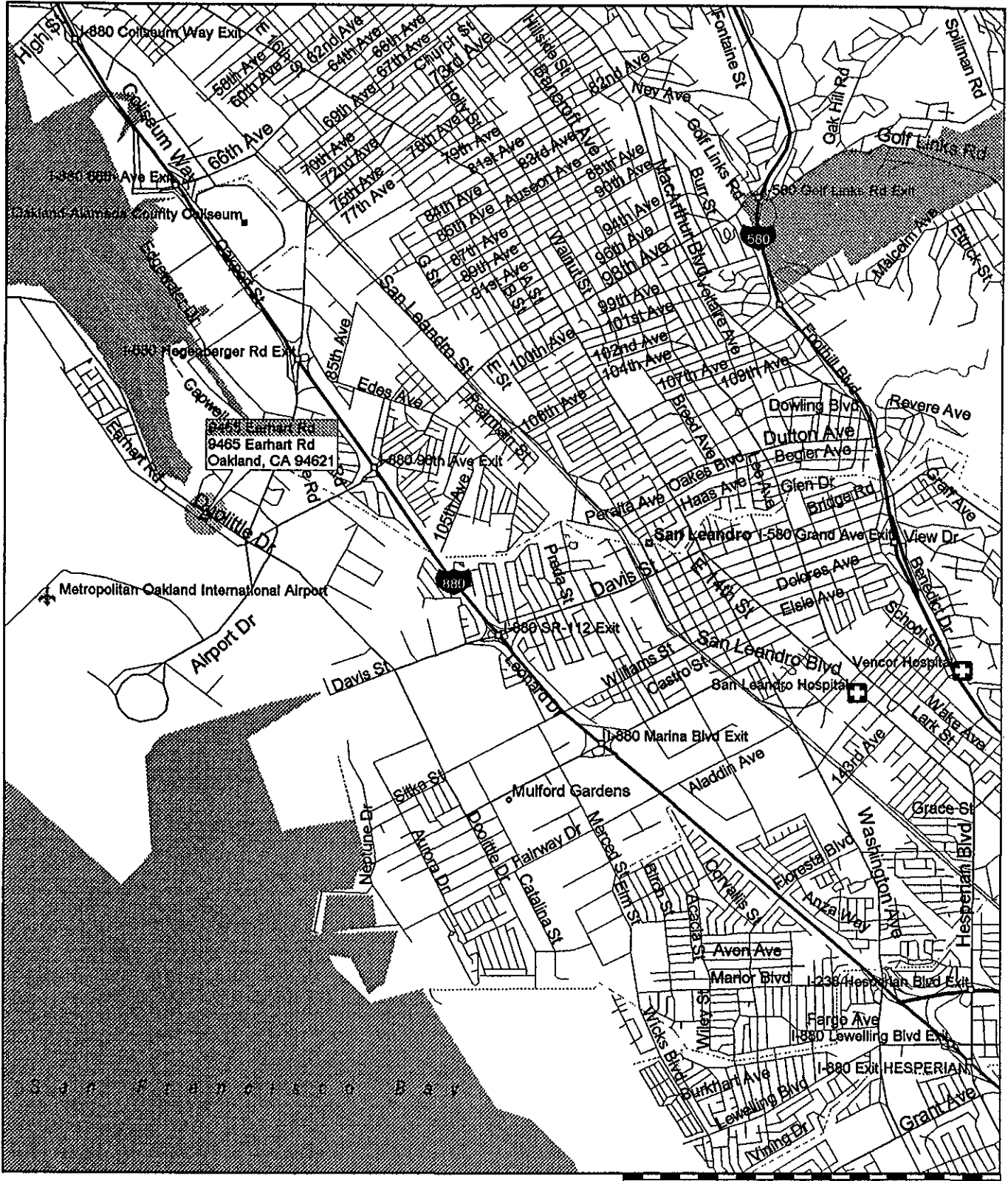
On **February 8, 1999** an additional 1055 gallons of groundwater was removed from the tank pit prior to backfilling and resurfacing the tank pit.

Site closure is recommended based upon the following:

- The underground tank and a considerable amount of impacted groundwater has been removed.
- The site has been adequately characterized
- Little to no groundwater contamination was found in the recharged water samples.
- Shallow groundwater in the Oakland International Airport area is not used for drinking purposes due to elevated total dissolved solids.
- The site is not expected to have any significant risk to human health or the environment. The MTBE found in soil and groundwater is not likely from the aviation fuel USTs. The MSDS for aviation fuel indicate that MTBE is not used as a constituent.

# Sierra Academy of Aeronautics

9465 Earhart Road, Bldg L-130, Oakland Int'l Airport, Oakland, CA 94614-0429



Microsoft Expedia  
**Streets98**

Figure 1



Sierra Academy

Vents



Emerg. Shutoff

City Water Line

1 Pump Fuel Island



1 Pump Fuel Island

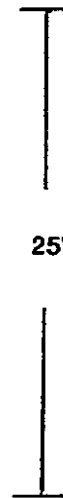


Storm Water  
Drainage

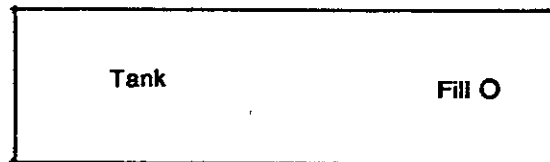


○ Fill

Tank



25'

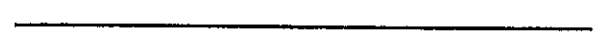


Tank

Fill ○



75'



Actual



Not To Scale

**DPE Companies, Ltd.**

Environmental Consulting and Construction

SITE PLAN

Sierra Academy of Aeronautics

9465 Earhart Rd, Bldg L-130  
Oakland Int'l Airport

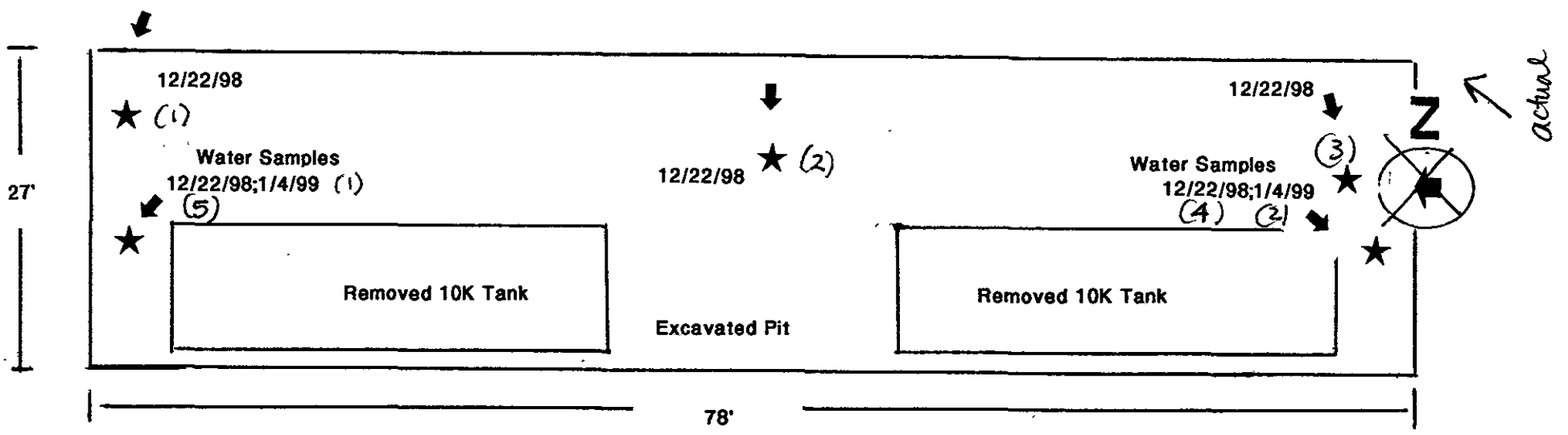
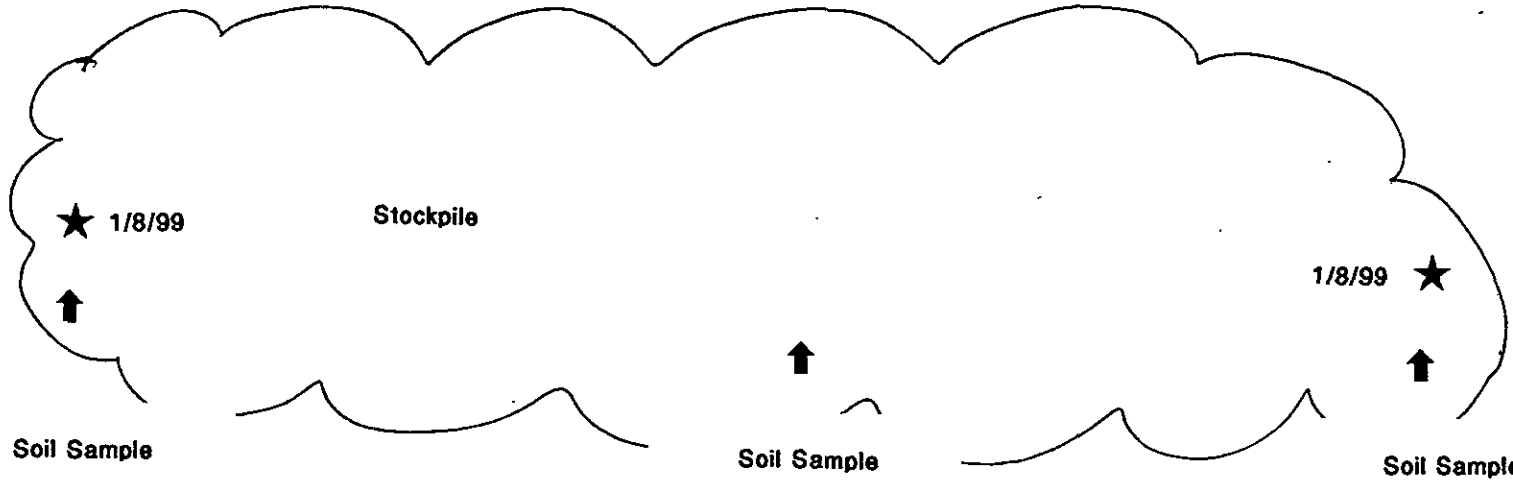
PROJECT

DATE Oct. 6, 1998

**PLATE 1**

Sierra Academy

Not To Scale



SITE PLAN

Sierra Academy of Aeronautics

9465 Earhart Rd, Bldg L-130  
Oakland Int'l Airport

PROJECT

DATE Mar. 5, 1999

PLATE 2

DPE Companies, Ltd.

Environmental Consulting and Construction