

# ENGEO INCORPORATED

GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS

*only 1 MW is proposed. Do they  
have verified drainage?*

In Reply  
Please Refer to:  
3174-F5A

January 6, 1993

Ms. Eva Chu  
Alameda County Department of Environmental Health  
80 Swan Way, Room 200  
Oakland, CA 94621

Subject: 2900 Ladd Avenue  
Livermore, California

## ADDENDUM TO WORK PLAN

Reference: ENGEO Inc.; Work Plan to Address Subsurface Contamination, 2900 Ladd Avenue, Livermore, California; November 3, 1992.

Dear Ms. Chu:

As requested in your December 15, 1992, letter to ENGEO, we have prepared this addendum to the referenced work plan to address the contamination at 2900 Ladd Avenue in Livermore, California. The revisions to the work plan will include the addition of two exploratory borings in the locations shown on Figure 1.

One of the added exploratory borings will be located in the backfill above the location of the former underground fuel storage tanks. Drilling in this area will require coring of the concrete slab which was left in place at the time of the removal of the underground tanks. A second added exploratory test boring will be drilled in the vicinity of the December 1990 boring B-1 (Figure 1).

An organic vapor meter (PID) will be used during the drilling of the boreholes to screen for potentially volatile vapors. Selected soil samples will be collected from variable depths beneath the concrete slab and from five-foot-depth intervals down to the saturated soil above the ground-water table. Some of the exploratory boreholes may be terminated at depths above the top of the ground-water table where the PID is no longer detecting volatile vapors.

The samples will be selected for laboratory testing based on PID readings and visual observations. We anticipate that a minimum of two samples will be collected from each of the boreholes for laboratory testing. The laboratory analyses of the soil samples will include testing for TPH as diesel and gasoline and for BTEX (EPA Test Method 8015/5030 and 8020).

Ms. Eva Chu, Alameda County Department of Environmental Health  
2900 Ladd Avenue  
ADDENDUM TO WORK PLAN

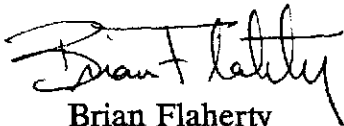
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The location of the proposed ground-water monitoring well is shown on Figure 1. This well will be constructed with four-inch-diameter PVC casing to facilitate possible remediation of contaminated ground water.

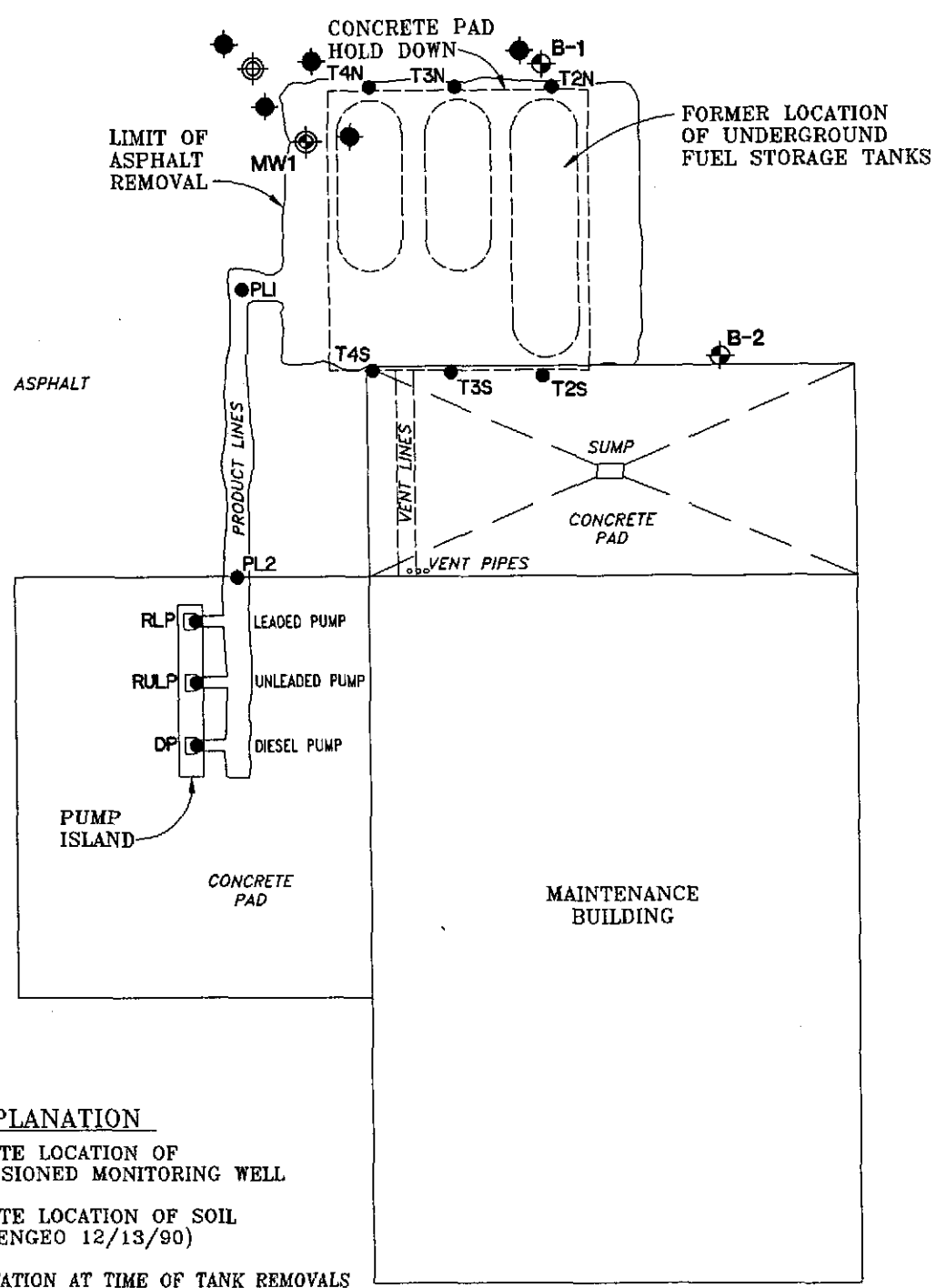
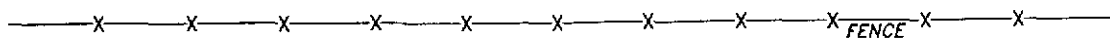
This amended scope of work will be undertaken following the methodologies included in the referenced work plan. If you have any questions regarding this added scope of work please do not hesitate to contact our office.

Very truly yours,

ENGEO INCORPORATED



Brian Flaherty  
CEG 1256



**EXPLANATION**

- ⊕ APPROXIMATE LOCATION OF DECOMMISSIONED MONITORING WELL
- ◆ APPROXIMATE LOCATION OF SOIL BORING (ENGE0 12/13/90)
- SAMPLE LOCATION AT TIME OF TANK REMOVALS
- ◆ APPROXIMATE LOCATION FOR PROPOSED EXPLORATORY SOIL BORINGS
- ⊕ APPROXIMATE LOCATION FOR PROPOSED MONITORING WELL



**ENGE0**  
INCORPORATED

SITE PLAN WITH SAMPLING LOCATIONS  
L.V.J.U.S.D. MAINTENANCE YARD  
2900 LADD AVENUE  
LIVERMORE, CALIFORNIA

JOB NO.: 3174-F5A  
DATE: JANUARY 1993  
DRAWN BY: *DB* CHECKED BY: *SF*

FIGURE NO.  
**1**