



GEOTECHNICAL ENGINEERS AND GEOLOGISTS

**TERRA SEARCH INC.**

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# FAX TRANSMITTAL COVER SHEET

DATE: 4 APR 29 1991

TO:

Pam Evans

Alameda County Health Care Services Agency

Fax 415-568-3706

FROM: Richard Kent

Reference: J+M, 3826 Depot Rd Hayward

TOTAL PAGES  
INCLUDING THIS COVER SHEET: 5

COMMENTS:

Revised Work Plan for your  
approval.

April 4, 1991

Pamela J. Evans  
Hazardous Materials Specialist  
Alameda County Health Care Services Agency  
Department of Environmental Health  
Hazardous Materials Program  
80 Swan Way, Room 200  
Oakland, California 94621

RE: **REVISED WORK PLAN**  
Soil and Groundwater Investigation  
3826 Depot Road  
Hayward, California 94545

Dear Ms. Evans:

We hereby submit our revised Work Plan, as you discussed with our environmental consultants, Mr. Richard C. Kent, Environmental Manager of TERRASEARCH, Inc.. Page numbers refer to our Work Plan dated March 26, 1991 for the above referenced property.

**1. Page 12 of 23**  
**(3 additional borings, sample at 0-0.5-foot depth, contingency remediation)**

**REPLACE** paragraph titled "1. Location and Depth" with the following two paragraphs:

One (1) soil sample would be collected above the water table **from 0-0.5-foot** depth from each of **six (6)** borings. Proposed soil boring locations are shown on **revised** Figure 3 - "Proposed Monitor Wells and Soil Borings Locations" (pertinent portion of Figure 3 attached). The purpose of drilling shallow soil borings would be to collect soil samples for analysis of TPH as diesel and gasoline, and gasoline constituents of BTXE. The borings are proposed in locations where previous soil contamination as TPHd was detected above 100 ppm near where the tanks were washed and torch cut. TPHg and BTXE analyses are proposed because these constituents were detected in the soil and groundwater from where the tanks were excavated.

**Should the results of analysis of boring sample(s) indicate that the soil remains contaminated, a remediation plan for soil cleanup would be proposed. Such a plan would include alternative methods such as, aeration of soil, bioremediation, or proper offsite disposal.**

REVISED WORK PLAN

J&M, INC.  
3826 Depot Road, Hayward, CAApril 4, 1991  
Page 2 of 2**2. Page 15 of 23****(collect and analyze water samples monthly for first quarter)****REPLACE** paragraph titled "1. Location and Depth" with the following paragraph:

Three (3) groundwater monitor wells are proposed at locations shown on Figure 3 - "Proposed Monitor Wells and Soil Borings Locations". The proposed depth of each monitor well is approximately fifteen (15)-feet. The purpose of installing three (3) groundwater monitor wells would be to collect soil and water samples for analysis of TPH as diesel and gasoline, and gasoline constituents of BTXE during April, May, and June 1991, and thereafter as directed by ACHCA, and estimate groundwater gradients. The proposed locations of the wells are upgradient (one well) and downgradient (two wells) to the previous diesel tank excavation. The proposed locations were selected by assuming the groundwater gradient to be toward the Bay. Soil samples would be collected at a maximum of five (5)-foot intervals from the surface or at significant changes in lithology.

Respectfully submitted,  
J&M, INC.

I declare, under penalty of perjury, that the information and/or recommendations contained in this Revised Work Plan are true and correct to the best of my knowledge.

Mr. Manuel Marques, Jr., for J&M, Inc., Landowner  
3826 Depot Road, Hayward, CA 94545

I certify that I am qualified to perform or supervise work outlined in this Revised Work Plan.

Richard C. Kent, California Registered Geologist No. 4231

REVISED WORK PLAN

J&M, INC.  
3828 Depot Road, Hayward, CAApril 4, 1991  
Page 2 of 22. Page 15 of 23(collect and analyze water samples monthly for first quarter)**REPLACE** paragraph titled "1. Location and Depth" with the following paragraph:

Three (3) groundwater monitor wells are proposed at locations shown on Figure 3 - "Proposed Monitor Wells and Soil Borings Locations". The proposed depth of each monitor well is approximately fifteen (15)-feet. The purpose of installing three (3) groundwater monitor wells would be to collect soil and water samples for analysis of TPH as diesel and gasoline, and gasoline constituents of BTXB during April, May, and June 1991, and thereafter as directed by ACHCA, and estimate groundwater gradients. The proposed locations of the wells are upgradient (one well) and downgradient (two wells) to the previous diesel tank excavation. The proposed locations were selected by assuming the groundwater gradient to be toward the Bay. Soil samples would be collected at a maximum of five (5)-foot intervals from the surface or at significant changes in lithology.

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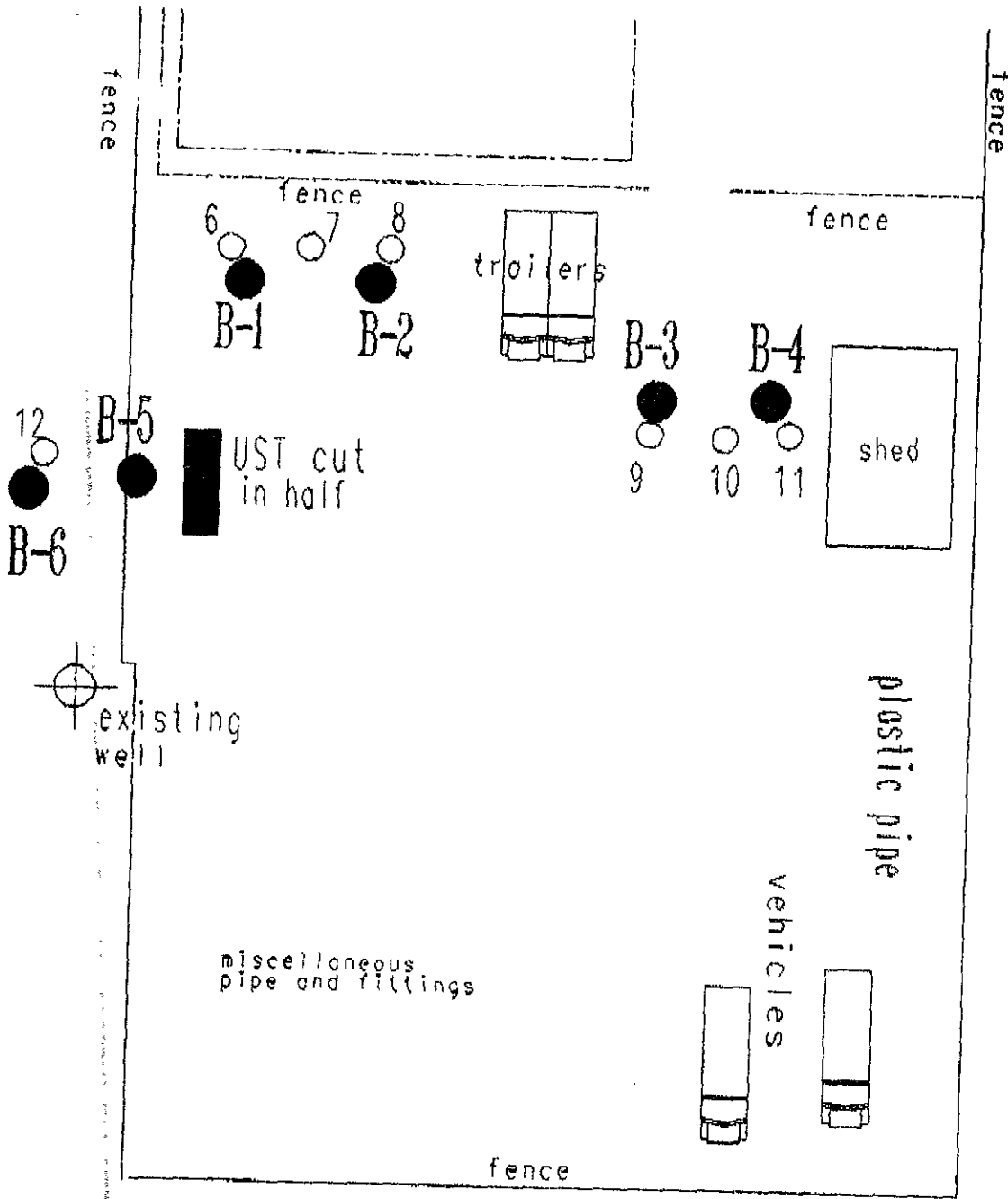


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Richard C. Kent, California Registered Geologist No. 4231



PROPOSED WELLS AND BORINGS

REVISED  
Figure 3