CAMBRIA Environmental Technology, Inc.

1144 65th Street, Suite C • Oakland, CA 94608 • (510) 420-0700 • Fax (510) 420-9170

TRANSMITTAL LETTER

TO: MADHULIA LOGAN

FROM: JOHN ESPINOSA

COMPANY: ACDEH

DATE: 5/25/95

SUBJECT: 5700 ACACIA AVE
OAKLAND, CA 94618

PROJECT NUMBER:

COMMENTS:

MADHULA!

ENCLOSED IS 2nd COPY OF TANKPULL REPORT.

WE CANNOT LOCATE MANIFEST FOR TANK PULL.

PLEASE CONTACT ROSE BERTOLERO FOR MANIFEST.

THANK YOU,

JOHN ESPINOSA FOR N. SCOTT MACLEOD

CAMBRIA
Environmental Technology, Inc.

December 6, 1994

Ms. Madhulla Logan
Alameda County Department of
  Environmental Health
UST Local Oversight Program
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

Re: Heating Oil Tank Investigation
    5900 Acacia Avenue
    Oakland, CA 94618
    Cambria Project 32-128

Dear Ms. Logan:

This report presents the results of the subsurface investigation conducted by Cambria Environmental Technology, Inc. (Cambria) at the residential property referenced above. The objective of this work was to determine the distribution of hydrocarbons in soil adjacent to a former heating oil tank that was removed on May 5, 1994. Presented below are a summary of the site background and our subsurface investigation results.

SITE BACKGROUND

Site Location: The site is located in the hills north of the Claremont County Club on Acacia Avenue (Figure 1). The site is about 240 ft above mean sea level and site topography slopes steeply to the north-northwest. No surface waters are located within one-half mile of the site.

May 1994 Tank Removal: On May 5, 1994, Decon Environmental Services, Inc. of Hayward, California removed a 350-gallon heating oil tank from the site. A native soil sample collected beneath the tank contained 1,300 parts per million (ppm) total petroleum hydrocarbons as diesel (TPHd). The tank excavation was backfilled and compacted.

SUBSURFACE INVESTIGATION RESULTS

The results of Cambria's October 20, 1994 subsurface investigation are summarized below. Analytic results for soil are presented in Table 1 and the analytic reports are presented in Appendix A.

Drilling Dates:	October 20, 1994.
Drilling Methods:	Hand-auger.
Number of Borings:	Five (Figure 2).
Boring Depths:	3.7 ft maximum depth.

Sediment Lithology: The site is underlain by several inches of topsoil, followed by two to three feet of clayey silt. Bedrock was encountered at 2.5 to 3.7 ft depth in the borings and prevented deeper drilling.

Soil Analyses: Selected soil samples were analyzed for:
- TPHd by modified EPA Method 8015,
- Petroleum oil and grease (POG) by EPA Method 5520 E/F, and
- Benzene, ethylbenzene, toluene and xylenes (BETX) by EPA Method 8020.

Waste Disposal: Soil cuttings were stockpiled on and covered with plastic sheeting. Soil will be disposed at a later date.

HYDROCARBON DISTRIBUTION IN SOIL

TPHd and POG were detected in all soil samples analyzed, at maximum concentrations of 2,100 and 3,500 parts per million (ppm), respectively. Benzene was only detected in one of the soil samples, at 0.017 ppm. Despite these TPHd and POG concentrations this site does not appear to pose a risk to ground water resources. Since the site is underlain by bedrock at two to three feet depth, and since the site is likely at least one hundred feet above the water table in the alluvium at the base of the hill upon which the site is located, it is very unlikely that hydrocarbons released at this site could impact ground water.
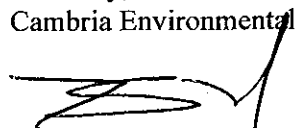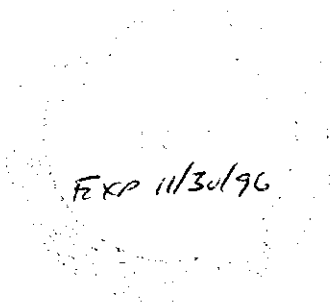
CLOSING

Since the site does not appear to pose a threat to human health or ground water for the reasons stated above, we request case closure.

Please call if you have any questions or comments.

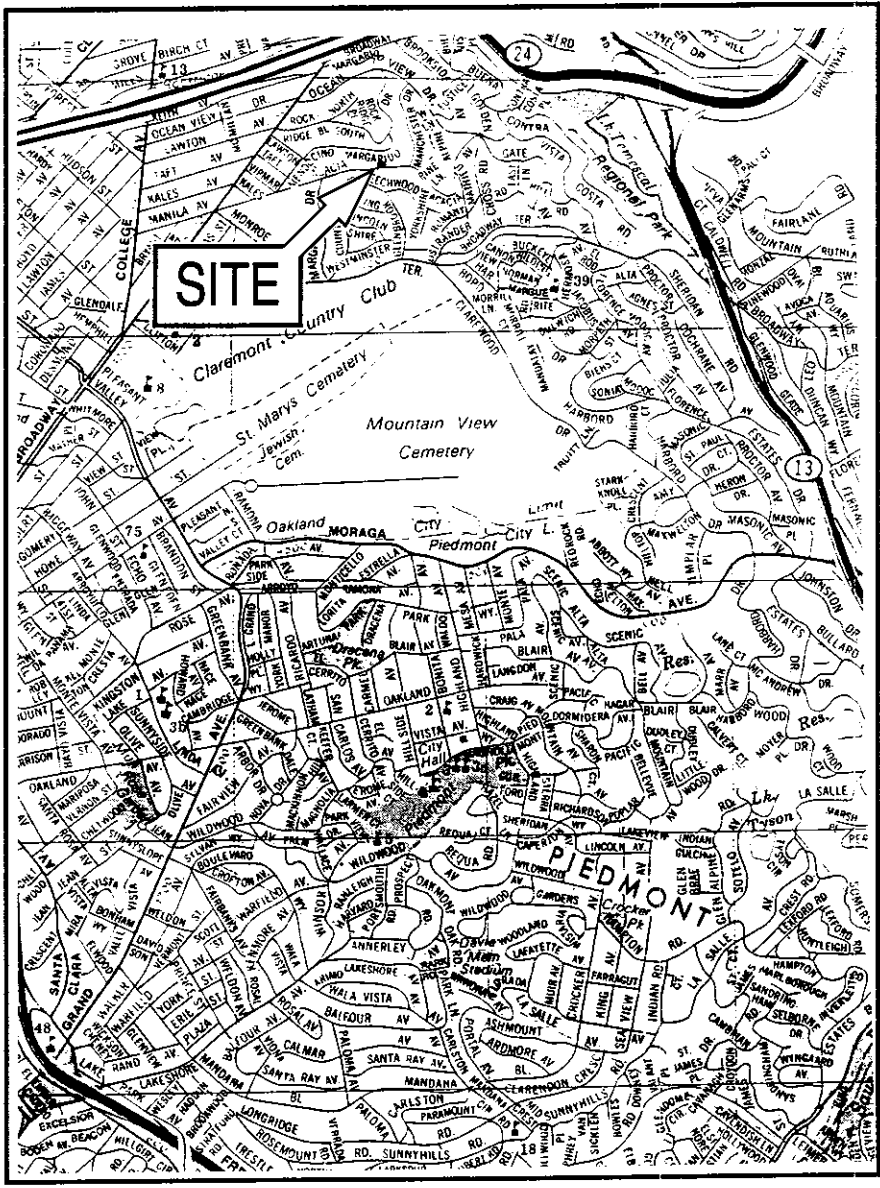Sincerely,
Cambria Environmental Technology, Inc.

N. Scott MacLeod, R.G.
Principal Geologist

Attachments: A - Analytic Reports

D:\PROJECT\SB-2004\OAKL-128\REPORT.WPD

cc: Rose Bertolero, 5900 Acacia Avenue, Oakland, CA 94618
    Julie Rose, Randick & O'Dea, 1800 Harrison , Suite 2350, Oakland, CA 94612
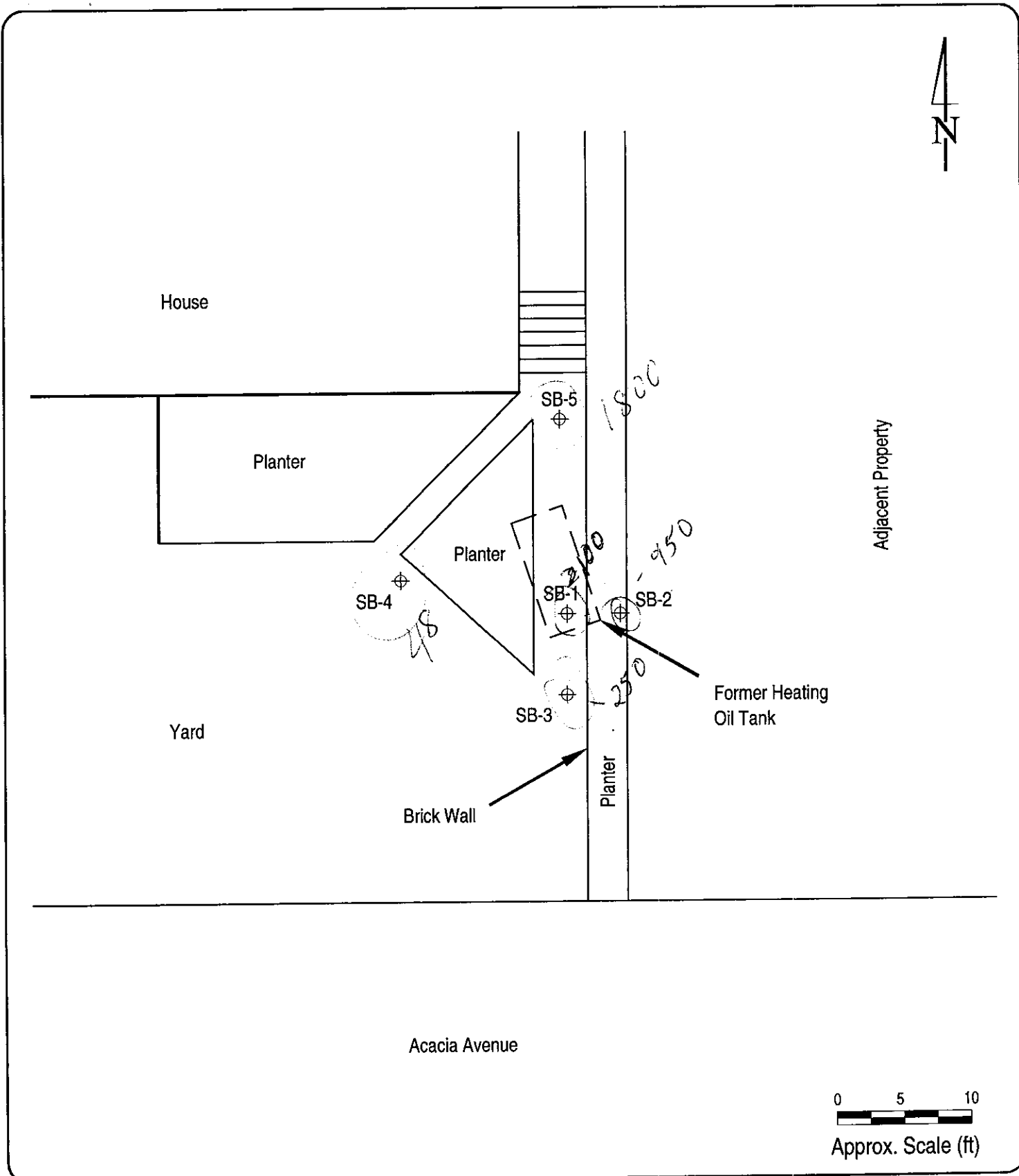
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SITE

CAMBRIA
Environmental Technology, Inc.

SITE LOCATION MAP

FIGURE

1

Rose Bertolero
5900 Acacia Avenue
Oakland, California

House

Planter

SB-5

Planter

SB-4

SB-1

SB-2

SB-3

Former Heating
Oil Tank

Yard

Planter

Brick Wall

Adjacent Property

Acacia Avenue

0   5   10

Approx. Scale (ft)

Table 1. Soil Analytic Data - 5900 Acacia Avenue, Oakland, California

Boring ID	Date Sampled	Sample Depth (ft)	TPHd	POG	Benzene	Toluene	Ethylbenzene	Xylenes
					(Concentration in mg/kg)			
SB-1	10/20/94	2.75	2,100	1,200	nd	0.013	0.030	0.110
SB-2	10/20/94	2.75	950	660	nd	nd	0.031	0.029
SB-3	10/20/94	2.5	250	85	nd	nd	nd	nd
SB-4	10/20/94	2.5	48	130	nd	nd	nd	nd
SB-5	10/20/94	3.75	1,800	3,500	0.017	0.012	0.096	0.36

Abbreviations

TPHd = Total petroleum hydrocarbons as diesel by modified EPA Method 8015
POG = Petroleum oil and grease by EPA Method 5520 E/F
nd = Not detected