EDWARD T. SIMAS
2307 PACIFIC AVE.
ALAMEDA, CA 94501

JUNE 10, 1994

MS. EVA CHU
HAZARDOUS MATERIAL PROGRAM
DEPARTMENT OF ENVIRONMENTAL HEALTH
80 SWAN WAY ROOM 200
OAKLAND, CA 94621

REGARDING: WORK PLAN FOR SOIL ASSESSMENT
FORMER SERVICE STATION
5330 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

VIA FACSIMILE/HARD COPY TO FOLLOW

DEAR MS. CHU,

PLEASE FIND ENCLOSED THE WORK PLAN TO CONDUCT SOIL ASSESSMENT AT THE FORMER SERVICE STATION AT 5330 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA.

SINCERELY,

EDWARD T. SIMAS

ENCLOSURES

Jec

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2307 PACIFIC AVE.
ALAMEDA, CA 94501

no site plan.
wait for hard copy to
see where SBs will be.
should have one through pdf.
should have GW grab sample?

JUNE 10, 1994

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Xtra Oil Company

2307 Pacific Ave, Alameda, CA 94501 Tel. (510)865-9503, FAX (510) 865-1889

FAX TRANSMITTAL COVER SHEET

Date: 6-10-94

Time: 4:00 PM

Number of Pages (Including Cover Sheet): 8

TO:

NAME: Ivra Chu

COMPANY: Alameda County Hazardous Materials Program

FAX NO: 569-4757

FROM:

NAME: Ted Lamei

NOTE:

WORK PLAN
FOR
SOIL ASSESSMENT

Former Service Station
5330 Foothill Boulevard
Oakland, California

Project No. 10-217-01-001

Prepared for:

Edward Simas
2307 Pacific Avenue
Alameda, California

Prepared by:

Alisto Engineering Group
1777 Oakland Boulevard, Suite 200
Walnut Creek, California 94596

June 10, 1994

Brady Nagle
Project Manager

Al Sevilla, P.E.
Principal

WORK PLAN
FOR
SOIL ASSESSMENT

Former Service Station
5330 Foothill Boulevard
Oakland, California

Project No. 10-217-01-001

INTRODUCTION

This work plan presents the proposed scope of work for soil assessment at the former service station at 5330 Foothill Boulevard, Oakland, California. A site vicinity map is shown in Figure 1.

SCOPE OF WORK

The proposed scope of work for this assessment includes: drilling and sampling six onsite borings to assess the lateral and vertical extent of petroleum hydrocarbons, if any, in the soil. The locations of the proposed soil borings are shown in Figure 2.

The work will be conducted in accordance with the guidelines and requirements of the Alameda County Health Care Services Agency and the California Regional Water Quality Control Board, San Francisco Bay Region. The scope of work has been divided into the following tasks:

Task 1: Pre-Field Activities

Before beginning the field work, a thorough records search for this and neighboring sites will be conducted, underground utilities will be located, and field activities will be scheduled.

Task 2: Drill Exploratory Soil Borings

Six exploratory soil borings will be drilled using a truck-mounted drilling rig equipped with 8-inch-diameter hollow-stem augers. The locations of the proposed soil borings are presented in Figure 2.

A minimum of one boring will be drilled to approximately 45 (50-60') feet below grade to determine the depth to groundwater. Subsequent borings will be drilled to approximately 20 feet below grade. Soil samples will be collected at 5-foot intervals and at significant stratigraphic changes beginning at 5 feet below grade and continuing to the total depth of the borings. Samples will be collected from a

if GW at 50' - take GW grab sample
allow boring to be opened for 2-3 hours

split-spoon sampler lined with stainless steel tubes and logged in the field by a qualified geologist or engineer using the Unified Soils Classification System. Each sample will also be field screened using a photo-ionization detector or combustible gas indicator to assist in selecting the samples for laboratory analysis. The samples selected for analysis will be sealed airtight with Teflon or aluminum sheeting, plastic caps, and adhesive tape, and placed immediately into a cooler containing blue or dry ice.

Task 3: Analyze Soil Samples

Selected soil samples will be transported to a state-certified laboratory and analyzed for total petroleum hydrocarbons as gasoline (TPH-G), benzene, toluene, ethylbenzene, and total xylenes (BTEX) using Environmental Protection Agency (EPA) Methods 5030/8015/8020. The samples will be analyzed on a standard 2-week turnaround time.

Task 4: Analyze Data and Laboratory Results

On completion of sample analysis, a detailed evaluation of results and available information will be conducted to assess the nature and extent of petroleum hydrocarbons, if present, in the soil. This will include the following:

- Interpretation of the geologic nature of subsurface contamination, if any.
- Preparation of geologic cross-sections including results of soil analysis.
- Assessment of the extent of hydrocarbons in the soil.

Task 5: Prepare Report

A report presenting the results, findings, and conclusions of the assessment will be prepared for submittal to the appropriate parties.

SITE SAFETY PLAN

All field procedures and activities related to the soil assessment will be conducted in accordance with a site-specific safety plan. The site safety plan will be developed in accordance with applicable requirements of the California EPA and the federal and state Occupational Safety and Health Administration.

IMPLEMENTATION SCHEDULE

The proposed soil assessment will be completed and a report submitted within 90 days after approval of the work plan from the appropriate regulatory agencies. The proposed schedule assumes that the current property owners provide timely access to the site for field activities.

The estimated schedule for completion of the tasks is as follows:

Task/Activity	Days After Work Plan Approval
- Obtain competitive bids	30
- Drill soil borings	45
- Analyze samples	60
- Analyze data	75
- Prepare report	90

SOURCE:
USGS MAP, OAKLAND EAST QUADRANGLE.
7.5 MINUTE SERIES. 1959.
PHOTOREVISED 1980.

N

0 1000' 2000'

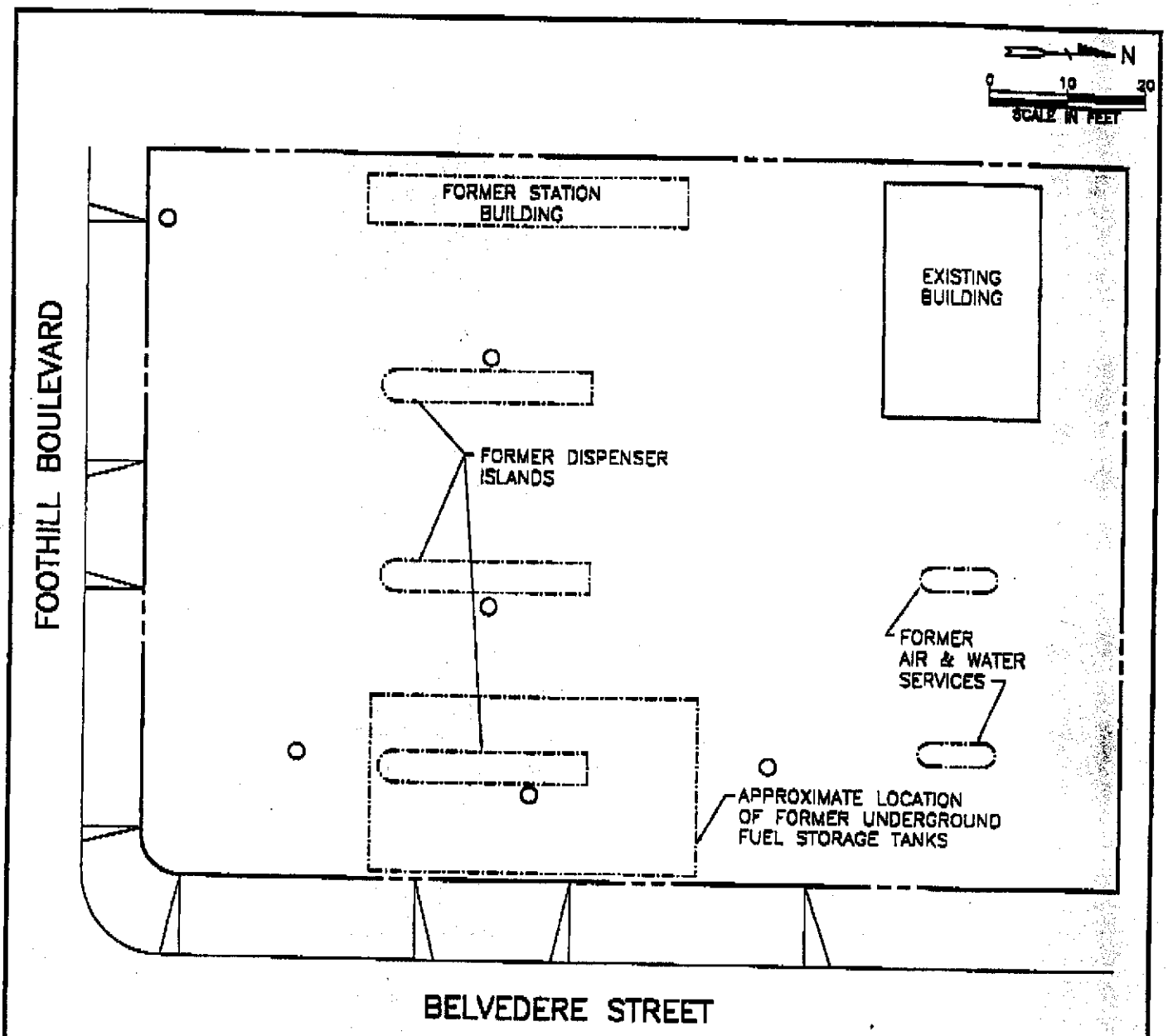
FIGURE 1

SITE VICINITY MAP

FORMER SERVICE STATION
5330 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

PROJECT NO. 10-217

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA



LEGEND

O PROPOSED SOIL BORING

FIGURE 2

SITE PLAN

FORMER SERVICE STATION
5330 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

PROJECT NO. 10-217

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA