



**PACIFIC COAST**  
building products

3001 I Street  
P.O. Box 160488  
Sacramento, CA 95816  
(916) 444-9304

93 JAN 17 11:00:00

January 14, 1993

3826

Ms. Jennifer Eberle  
Alameda County Health Care Services  
Department of Environmental Health  
80 Swan Way, Room 200  
Oakland, CA 94621

TRANSMITTAL: WORKPLAN FOR PHASE II SOIL INVESTIGATION PACIFIC  
SUPPLY COMPANY, ACHCS STID NO. 3826 OAKLAND,  
CALIFORNIA

Dear Ms. Eberle:

On behalf of the Pacific Supply Company and Pacific Coast Building Products, Brunsing Associates, Inc. has prepared under separate cover the Workplan for Phase II Soil Investigation (Workplan) for the Pacific Supply Company site located at 1735 24th Street, Oakland, California. In response to your request of December 1, 1992, the Workplan has been submitted to your office by January 16, 1993. Furthermore, as per the January 11, 1992 telephone conversation between Mr. Mike Velzy and yourself, the Pacific Supply Company will submit the vapor extraction design report to the Alameda County Health Care Services after the results of the Phase II Soil Investigation are available.

At the present time, I am designated as the primary responsible party for the above referenced site. My office is indefinitely located at: Pacific Coast Building Products, 4290 Roseville Road, Suite B, North Highlands, CA 95660. The telephone and FAX numbers are as follows: telephone (916)486-4096 or FAX (916) 486-4187. If you have any questions please call me at the above number or call Mike Velzy at (415)364-9031.

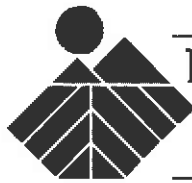
Very Truly Yours,  
Pacific Coast Building Products,

*Normita G. Callison*  
Normita Callison  
Environmental Specialist

WORKPLAN FOR PHASE II  
SOIL INVESTIGATION-OAKLAND  
PAGE 2 OF 2

cc: Larry Halsey, Pacific Coast Building Products  
Mike Velzy, Brunsing Associates, Inc.  
Rich Hiatt, San Francisco Bay Region RWQCB  
Tony De John, Pacific Supply Company

PSOWPPH2.LTR



**BACE Environmental**

*A Division Of*

**Brunsing Associates, Inc.**

93 JAN 17 11:31

January 14, 1993

29.9

Jennifer Eberle  
Alameda County  
Department of Environmental Health  
80 Swan Way, Room 200  
Oakland, CA 94621

**SUBMITTAL      WORKPLAN FOR PHASE II SOIL INVESTIGATION  
PACIFIC SUPPLY, 1735 24th STREET, OAKLAND, CALIFORNIA**

Dear Ms. Eberle:

Please find enclosed a copy of the Workplan for Phase II Soil Investigation at the Pacific Supply site located at 1735 24th Street, Oakland, California.

This document has been submitted directly to you with the authorization of Normita Callison of Pacific Supply and Pacific Coast Building Products.

If you have any questions, please contact Normita Callison at (916) 645-3341 or Michael Velzy at (415) 364-9030.

Sincerely,

Joel Bruxvoort  
Staff Geologist

Enclosures:      Workplan for Phase II Soil Investigation

cc:      Normita Callison, Pacific Coast Building Products



**BACE Environmental**

*A Division Of*

**Brunsing Associates, Inc.**

January 14, 1993

29.9

Jennifer Eberle  
Alameda County  
Department of Environmental Health  
80 Swan Way, Room 200  
Oakland, CA 94621

**RE: WORKPLAN FOR PHASE II SOIL INVESTIGATION  
PACIFIC SUPPLY, 1735 24th STREET, OAKLAND, CALIFORNIA**

Dear Ms. Eberle:

This Workplan was prepared by Brunsing Associates, Inc. (BAI) staff on behalf of the Pacific Supply Company to address requirements of the Alameda County Department of Environmental Health (ACDEH) for the performance of a soil and groundwater investigation at a former underground storage tank (UST) site. This Workplan addresses placement of ~~nine~~ additional shallow borings to provide additional analytical data concerning the extent of petroleum hydrocarbons in the soils at the above referenced site.

### **SCOPE OF WORK**

This Workplan encompasses the following scope of work:

- Task 1: Advance nine soil borings to a maximum depth of eight feet in order to determine the extent of petroleum hydrocarbons adjacent to the location of the former UST. A minimum of three of the soil borings will be placed within the 24th Street boundaries.
- Task 2: Analyze the soil samples for the presence of petroleum hydrocarbons.
- Task 3: Prepare and submit a Report of Findings to the ACDEH and the Regional Water Quality Control Board (RWQCB).

### **BACKGROUND**

Monitoring wells MW-1 through MW-5 were constructed by BAI staff on Sept 13, 1988 as the first phase of a soil and groundwater investigation. Monitoring wells MW-6 and MW-7 were constructed by BAI staff on December 19, 1989 as Phase II of

Ms. Jennifer Eberle  
January 14, 1993  
Page 2

the same investigation. The construction and sampling of these wells are documented in the Report of Findings dated March 23, 1990.

## WORK TO BE PERFORMED

Additional information regarding the extent of petroleum hydrocarbons in the soil will be evaluated by obtaining soil samples from nine proposed boring locations as shown on Figure 1. Encroachment permit authorization to advance borings B-1, B-2 and B-3 will be obtained from the City of Oakland prior to the placement of these borings.

Borings B-1 through B-8 will be advanced using a hydraulic press rig. Soil sampling will be performed in accordance with the Tri-Regional Recommendations (revised August 10, 1990). Sampling will be conducted using a custom "shelby tube" type sampler lined with decontaminated, 1.5-inch diameter brass or stainless steel tubes. The borings will be logged according to the Unified Soil Classification System (USCS) by a qualified geologist or engineer to adequately describe the subsurface soils. Boring logs will document the soil type, sample depths, the depth of first groundwater and the presence of any soil odor. The hydraulic press rig sampling method obtains a continuous soil in each boring giving full definition of the soil profile. *good*

Immediately after sampling, the ends of the tube will be covered with aluminum foil, and polyethylene caps will be placed on the ends of each tube. The samples will be labeled, sealed in individual zip-lock plastic bags, and kept at 4°C in an insulated cooler. The soil samples will be transported under chain-of-custody procedures to a California-EPA certified laboratory for analysis.

*also at 5' intervals but since gas is at ~8' bgs, one sample is enough*  
A minimum of one soil sample from each boring at a depth corresponding to the first incidence of water will be analyzed for the following constituents:

- Total Petroleum Hydrocarbons (TPH) as gasoline (EPA 3550/8015) *ok - gas tank*
- Benzene, Toluene, Ethyl Benzene and Xylene (BTEX) (EPA 8015/8020)

In addition, soil samples from other depths in each boring will be screened for the presence of hydrocarbons by the use of a Photovac TIP™ device. Based on the results of this screening, additional soil samples may be collected in order to further identify the extent of petroleum hydrocarbons in the soil.

All down-hole sampling equipment and drill rods will be steam cleaned before each use to avoid cross contamination. The rinseate water will be collected for temporary on-site storage in appropriately labeled 55-gallon containers, until chemical analysis of the rinseate is completed and disposal can be undertaken. All drill cuttings will be temporarily stored on-site in appropriately labeled 55-gallon drums for later characterization and disposal.

*follow up*



Ms. Jennifer Eberle  
January 14, 1993  
Page 3

The borings will be sealed using a bentonite/cement grout. The grout will consist of Portland Type I/II cement and five percent bentonite.

## REPORT OF FINDINGS

BAI will prepare a Report of Findings (ROF) to be submitted to the ACDEH and the RWQCB that includes a review of site history, investigation methods, analytical results, evaluation of the extent of contamination and a description of the hydrogeology of the site. The ROF will include figures to illustrate the lateral extent of the contamination, and will include estimates of the quantity of hydrocarbons remaining in the soil, if appropriate.

## SCHEDULE


BAI is prepared to initiate the specified Phase II soil investigation within two weeks of approval of this Workplan and associated permit applications by the appropriate agencies. Scheduling for the drilling of the boreholes is contingent on the availability of the drilling subcontractor. The ROF will be submitted within four weeks after the analytical results are received from the laboratory. Final submittal of the ROF is anticipated by April 15, 1993.

## STATEMENT OF QUALIFICATIONS

The manager of this project will be Michael E. Velzy under the direct supervision of Greg Eiché, a Registered Geologist in the state of California. The final report of findings will be signed and stamped by Mr. Eiché. ✓

If you have any questions or comments, please contact Mike Velzy at (415) 364-9030.

Sincerely,

  
Joe Bruxvoort  
Staff Geologist

  
Greg Eiché, RG  
Senior Geologist



JBB/jbb

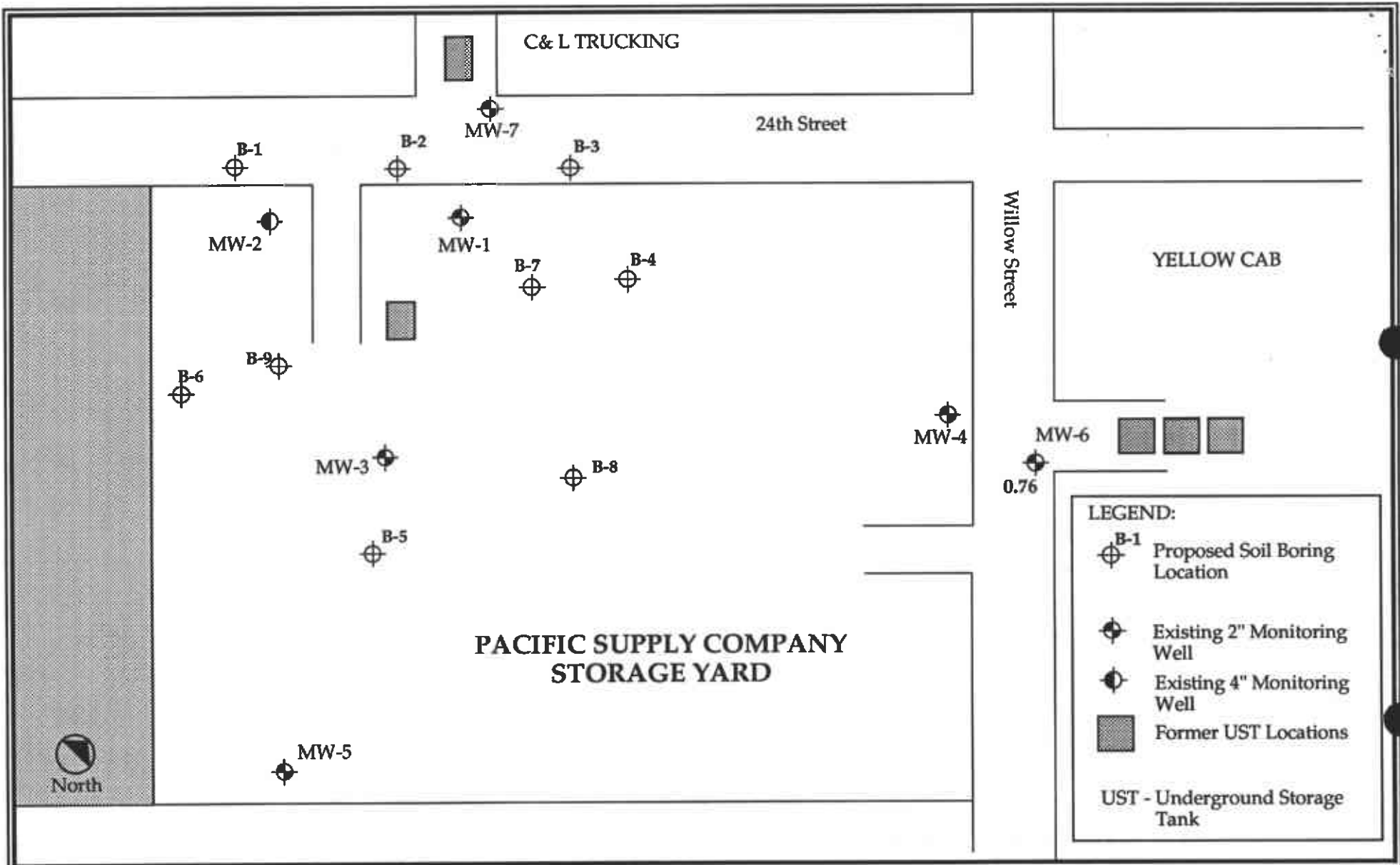
Enclosures:      Figure 1



Ms. Jennifer Eberle  
January 14, 1993  
Page 4

cc: Normita Callison, Basalite-Keystone Retaining Wall Systems  
Rich Hiatt, SFRWQCB  
Jim Anderson, Pacific Supply Company





PROJECT NUMBER: 29.9  
 PACIFIC SUPPLY COMPANY  
 OAKLAND, CALIFORNIA

DRAWING NUMBER: 29.7-04

DRAWN BY: IBB 1/11/93

APPROVED BY: GE 1/12/93

SCALE: 1 Inch = 30 Feet

**BRUNSG  
 ASSOCIATES, INC.**

**FIGURE 1**  
 PROPOSED BORING  
 LOCATIONS