

May 15, 2001  
1424-4

Ms. Susan Hugo  
ALAMEDA COUNTY HEALTH AGENCY  
DEPARTMENT OF ENVIRONMENTAL HEALTH  
1131 Harbor Bay Parkway, 2<sup>nd</sup> Floor  
Alameda, California 94502

RE: **WORK PLAN FOR ADDITIONAL SOIL  
SAMPLING  
1274 65<sup>TH</sup> STREET AND 1269 66<sup>TH</sup>  
STREET  
EMERYVILLE, CALIFORNIA**

Dear Ms. Hugo:

On behalf of Pulte Homes, we are submitting the following work plan to further evaluate soil quality at the Liquid Sugars site located at 1274 65<sup>th</sup> Street and 1269 66<sup>th</sup> Street in Emeryville, California (Figure 1). The purpose of this work is to evaluate the extent and quality of fill in an area where a stream may have previously existed on-site as shown on historic Sanborn maps.

## **SCOPE OF WORK**

### **Soil Quality Evaluation**

Our field engineer or scientist will sample up to 10 exploratory borings to a depth of approximately four to eight feet. The proposed locations of the 10 borings are shown on Figure 1. The subsurface investigation will be performed using a limited access rig equipped with Direct Push Technology equipment. The borings will be advanced by hydraulically driving a 2-inch-diameter by 4-foot-long open sampler with an interior clear acetate sample liner. After being driven to a depth of 4 feet, the sampler will be retracted to the surface.

Soil samples for laboratory analysis will be collected in acetate liners. The ends of the liners will be covered in aluminum foil or Teflon film, fitted with plastic end caps, taped, and labeled with a unique identification number. The samples then will be placed in an ice-chilled cooler and transported to a state-certified analytical laboratory with chain of custody documentation.

Up to six soil samples from the former stream bed area will be analyzed for total petroleum hydrocarbons in the gasoline range (TPHg); benzene, toluene, ethylbenzene, and xylenes (BTEX) (EPA Test Method 8015/8020); total petroleum hydrocarbons in the diesel range (TPHd) and motor oil range (TPHmo) (EPA Test Method 8015M); 17 California Assessment Manual (CAM) metals (EPA Test Method 6010/7471); and Polynuclear Aromatic Hydrocarbons (PNA's) (EPA Test Method 6310).

### **Sampling Equipment Decontamination**

All sampling equipment will be thoroughly cleaned with an aqueous solution of tri-sodium phosphate and distilled water or steam cleaned. The cleaning procedure will be repeated between each sampling location.

**Report**

The report will present the results of our investigation and summarizing our conclusions and recommendations. Our conclusions and recommendations will be based on readily available information, observations of existing conditions, and our interpretation of the analytical data. The report will include a site plan showing sampling locations and copies of laboratory data sheets.

**PROJECT SCHEDULE**

We are tentatively scheduled to perform the work on May 17, 2001. All laboratory analyses will be performed on 48-hour laboratory response time. After receipt of the laboratory results, review of the data and completion of our report will take approximately one week.

Based on our May 15, 2001 conversation with you, we understand that you have approved the additional soil quality evaluation. If you have any questions, please call and we shall be glad to discuss them with you.

Very truly yours,

**LOWNEY ASSOCIATES**



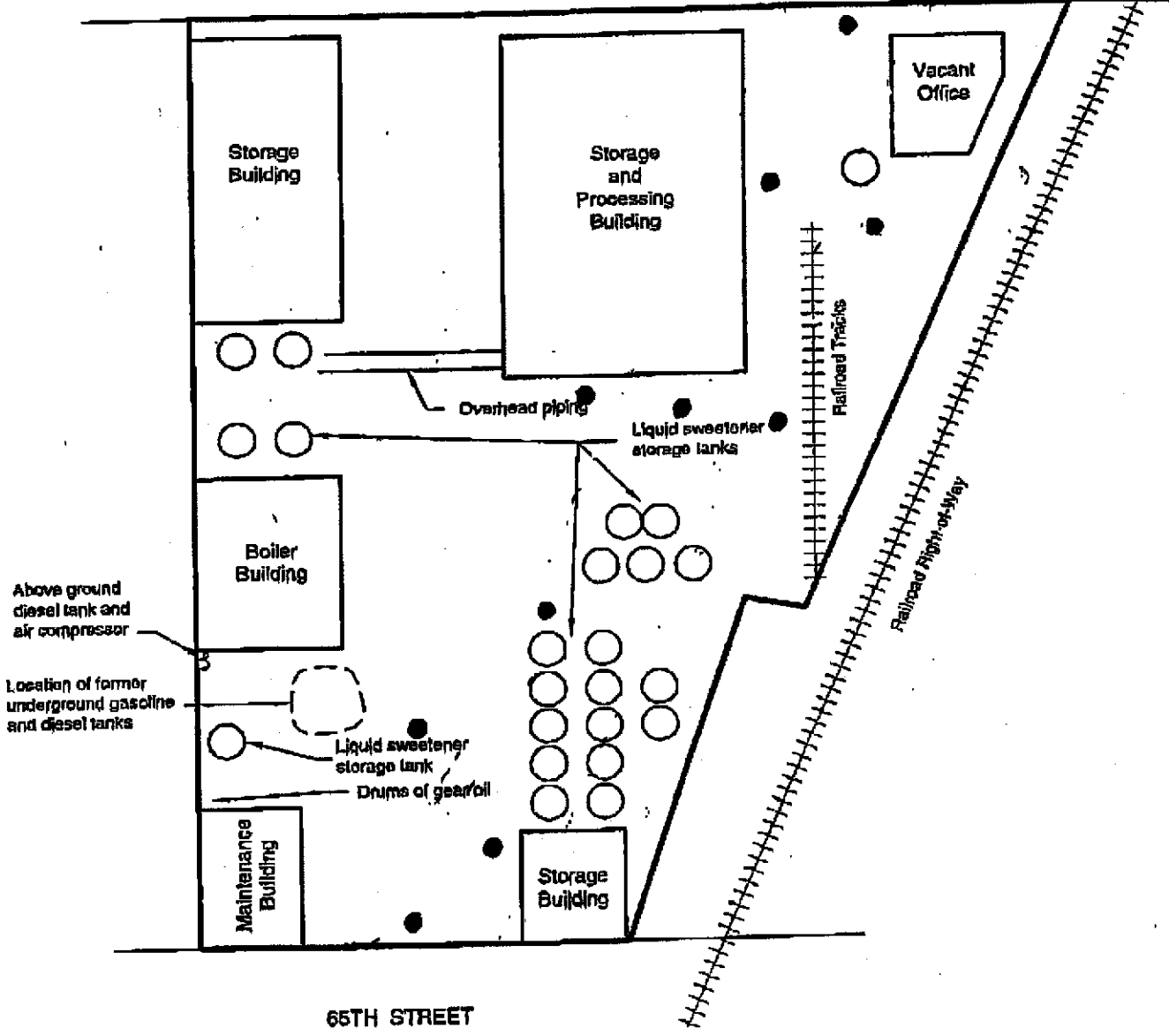
Peter M. Langtry, R.G., C.H.G.  
Principal Environmental Geologist

Copies: Addressee (1)  
Pulte Homes (1)  
Attn: Mr. Dennis O'Keefe

OK, 1424-4 Liquid Sugar WorkplanII.doc



66TH STREET



65TH STREET

LEGEND

● - Approximate location of proposed soil boring



Base approximated from Lowney Associates field notes.

SITE PLAN

1269 66TH STREET, 1274 65TH STREET  
Emeryville, California

**LOWNEY ASSOCIATES**  
Environmental/Geotechnical/Engineering Services

FIGURE 1  
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