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PAVLAK & Associates

GEOTECHNICAL / ENVIRONMENTAL CONSULTANTS

Project No. 87-1052-S
October 28, 1987

Zaccor Corporation
823 Arguello Street
Redwood City, CA 94063

Attention: Mr. Gary Zaccor

Subject: Delucchi Property
2425 Central Avenue
Alameda, California
SUPPLEMENTAL SOIL SAMPLING

Gentlemen:

At your request, PAVLAK & Associates has developed a proposal for supplemental soil sampling and analysis at the subject site. The purpose of this investigation is to determine the lateral extent of hydrocarbon contamination identified there during a recent tank removal operation.

As shown on the site plan provided by Blaine Tech Services, a cluster of two underground gasoline storage tanks was excavated near the northeastern property boundary. These tanks were removed and the underlying soils sampled on October 15, 1987. High concentrations of total petroleum hydrocarbons (gasoline) were revealed in Sample #2, adjacent to an existing building. We propose to hand auger into the northeastern and southeastern excavation sidewalls so these soils may be sampled and analyzed. A sufficient number of samples will be collected to enable us to determine the lateral extent of gasoline contamination.

A cluster of two waste oil tanks was removed from the site on the same date. Hydrocarbon contamination was also detected in the soils underlying these tanks in a separate excavation. The lateral extent of this contamination will be determined during this investigation.

Sampling Procedures

The samples will be collected in 2-inch diameter brass liners. These will be immediately sealed with aluminum foil, plastic caps and electrical tape. After labeling, they will be placed on ice and placed in the custody of a mobile on-site laboratory.

Laboratory Procedures

The samples will be analyzed for the presence of total petroleum hydrocarbons as gasoline or total petroleum hydrocarbons - high boiling fraction and total oil and grease. EPA Methods 5020, 8010 and 8020 will be utilized.

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The analysis will be performed by a mobile laboratory operated by Anatec Laboratories of Santa Rosa, California. All analyses will be repeated in their certified laboratory as a check.

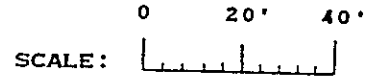
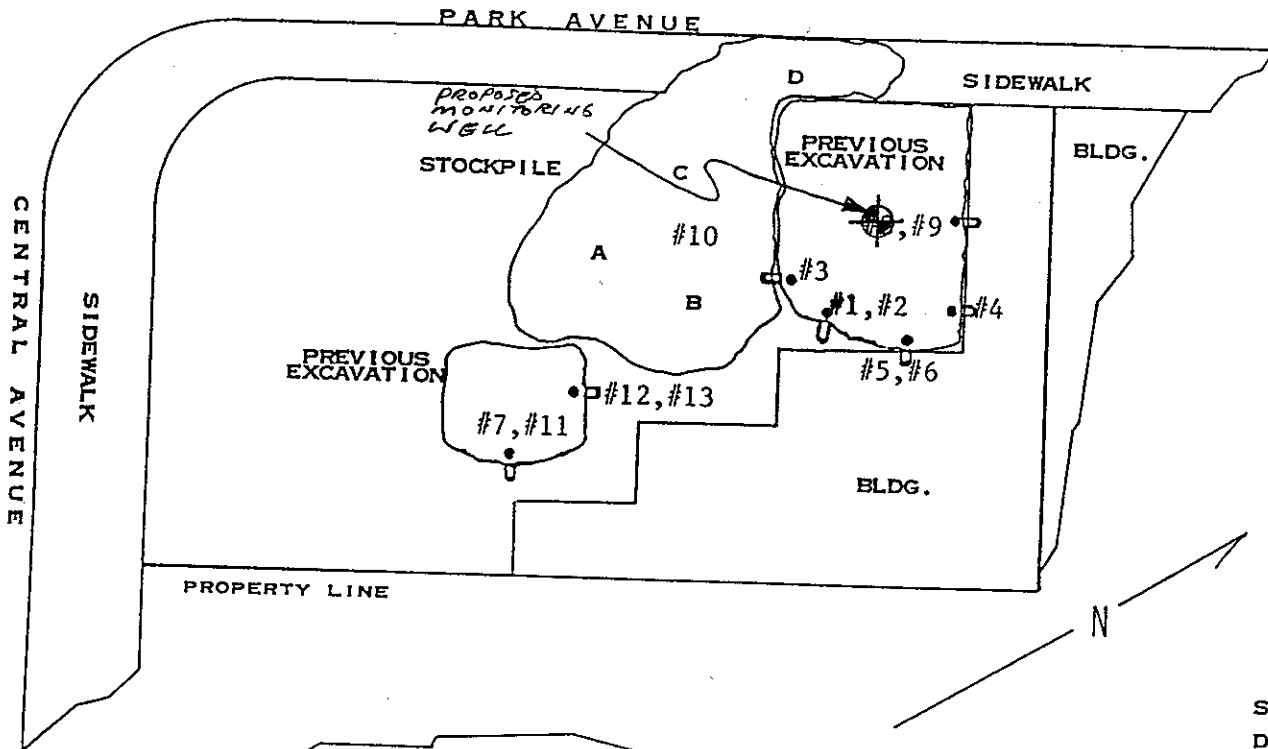
If you have any questions or require additional information, please contact our office at your convenience.

Yours truly,



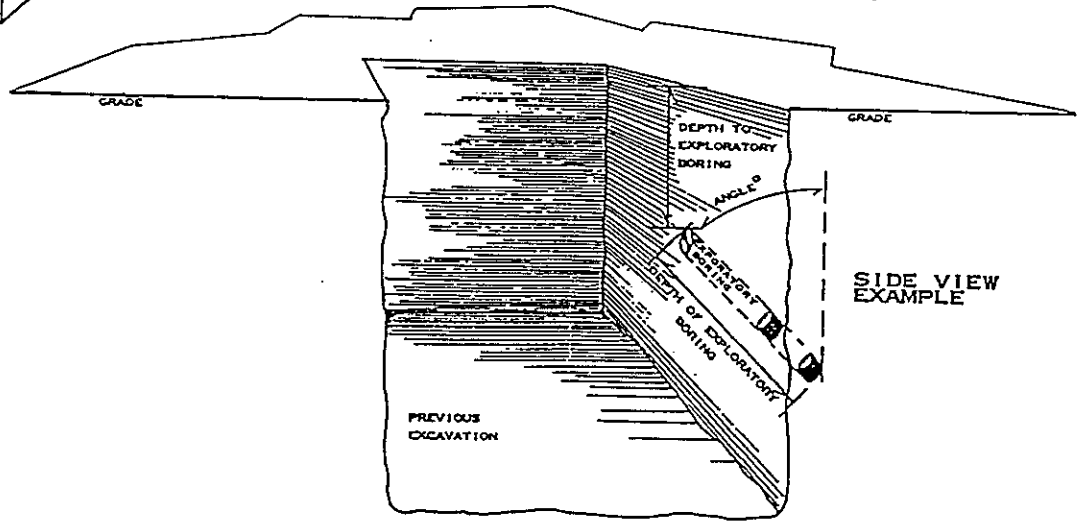
Lawrence D. Pavlak, C.E.G.
Principal Geologist
PAVLAK & Associates

LDP/np



MAP REF: THOMAS BROS.
ALAMEDA COUNTY
P.11 D-5

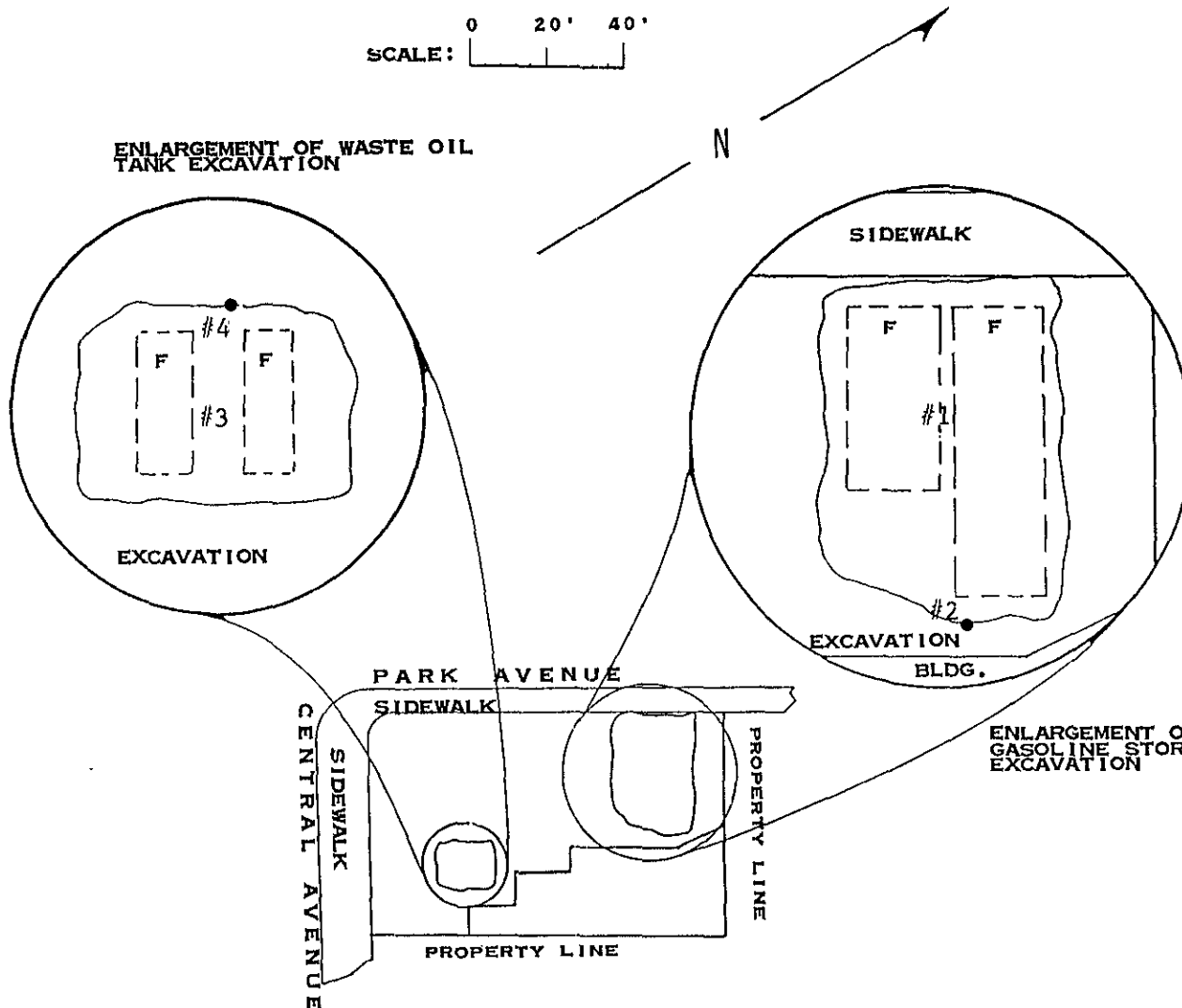
SAMPLING PERFORMED BY STEPHEN CARTER
DIAGRAM PREPARED BY BRENT ADAMS



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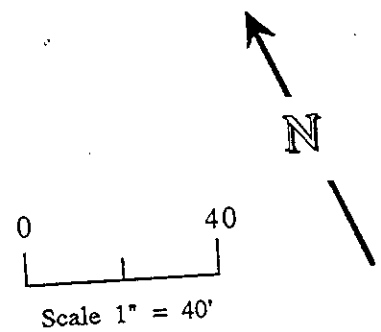
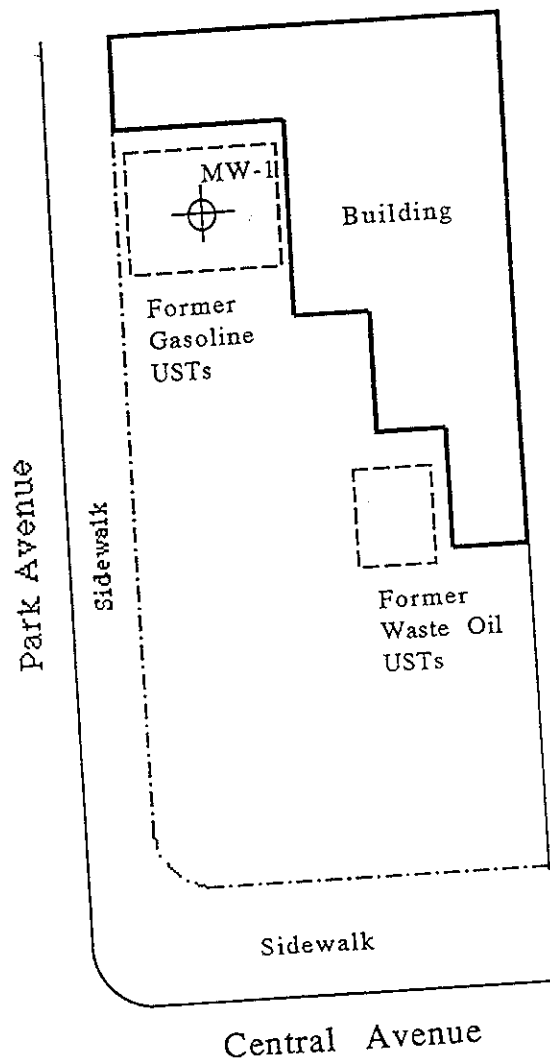
LEGEND: F = FILL END

SCALE: 0 20' 40'



- #1 SOIL FROM 12.5'
ANALYSIS FOR TOTAL PETROLEUM
HYDROCARBONS (TPH) AS GASOLINE
AND BENZENE, TOLUENE AND XYLENES
(BTX) AT ANATEC LABORATORY
ANATEC LAB NO.
- #2 SOIL FROM WALL AT 12'
ANALYSIS FOR TPH AS GASOLINE AND
BTX AT ANATEC LABORATORY
ANATEC LAB NO.
- #3 SOIL FROM 8'
ANALYSIS FOR TPH-HIGH BOILING
FRACTION (HBF) AND TOTAL OIL
AND GREASE (TOG), EPA 8010, EPA 8020
ANATEC LAB NO.
- #4 SOIL FROM WALL AT 8'
ANALYSIS FOR TPH-HBF, TOG, EPA
8010 AND EPA 8020
ANATEC LAB NO.

SAMPLING PERFORMED BY STEPHEN CARTER
DIAGRAM PREPARED BY BRENT ADAMS



Monitoring Well Location Map	
DELLUCHI PROPERTY 2425 CENTRAL AVENUE ALAMEDA, CALIFORNIA	
AQUA SCIENCE ENGINEERS	Figure :