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Epigene International
Consulting Geologists

November 5, 2001

Mr Barney Chan
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 210
Alameda, CA 94502-6577

Subject. Revised Workplan for Investigation of Former Waste Oil Tank, Trucker's Friend, 1395 West 7th Street, Oakland, CA

Dear Mr Chan,

The site is located at the southeast corner of the intersection of West 7th Street and Mandela Parkway in western Oakland. A site location map is presented on Figure 1. A waste oil tank was removed from the site by Bernabe and Brinker, Inc on August 19,1996 Additional soil was excavated from the area around the former waste oil tank on August 27, 1996. The location of the tank and over-excavaton is shown on the Site Plan (Figure 2) A tank closure report was prepared by Bernabe and Brinker on April 5, 1997 The results of the soil analysis of samples from the walls of the over-excavation and a water sample collected from the bottom of the pit are summarized in Table 1.

The soil sample locations are shown on Figure 3. The only sample with a significantly high level of contamination is S-A4 located on the east side of the pit Low levels of contamination were present in S-A2 located on the north side of the pit. Over excavation in these areas was limited by the presence of spoil piles from the tank removal

At the request of Alameda County Environmental Health Services, a Workplan was prepared by Bernabe and Brinker to assess the extent of soil and water contamination remaining at the site. The Workplan is dated May 27, 1997 None of the investigations outlined in the Workplan have been carried out.

Epigene was recently contacted by Mr Henry Tran, owner of Trucker's Friend, to review existing data, make any revisions to the existing workplan, and carry out the investigation in a timely manner. Epigene is proposing to revise the workplan as follows.

# of borings reduced from original proposal.

1. Soil and water samples will be obtained by Geo-probes rather than the soil borings as originally proposed. This allows for a continuous core to observe and field test with a PID meter The direct push method also eliminates the need to store and dispose of soil cuttings.
2. The depth to water was measured at 8 feet below the asphalt pavement on October 22, 2001 The depth of the probes will be approximately 12 feet to allow adequate penetration of the saturated zone for collecting water samples from each probe.

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(510) 791-1986

and #

3. The locations of the probes has been modified as shown on Figure 3 to provide expanded coverage of the former tank site. The groundwater gradient at the site is unknown but is assumed to be very flat with a possible tidal influence.
4. The samples from the south and west side of the over-excavation were ND for all the analysis (see Table 1). Therefore, only groundwater samples will be collected from probes 3 and 4 for analysis. If there is evidence of contamination observed in the core and there is a significantly high PID reading, a soil sample will be collected. for analytes referenced for GW sample.

Note: HVOCs + SVOCs were not run.

Screen @ 3, 5 + 7!

5. The sample from the north side of the over-excavation nearest to the building had minor contamination present. It is proposed that a soil sample be collected from a depth of 7 ½ feet in probe 1 and analyzed for TPH as diesel only. A groundwater sample will be collected
6. The highest level of contamination present after the over-excavation was on the east side of the pit It is proposed that probe 2 be located within several feet of the edge of the excavation and a soil sample be collected at a depth of 7 ½ feet The sample will be analyzed as discussed below for the water samples
7. Three monitoring wells were installed on the site in April 1985 to monitor groundwater in the area of diesel and gasoline underground tanks. The well locations are shown on Figure 2 At least 1 and probably 2 of the wells were destroyed during replacement of the tanks in 1997 MW-3 does exist and it is proposed that the well be purged and a sample collected for analysis as discussed below
8. It is proposed that the groundwater samples and soil sample from probe 2 be analyzed for. TPH as gasoline, TPH as diesel, Oil and Grease, BTEX and MTBE (using EPA Method 8260). HVOCs, semivolatiles, and lead

We are prepared to initiate the investigation as soon as the Alameda County Environmental Health Services reviews and comments on the proposed revisions to the workplan Field work will have to be carried out on a Saturday as the site is used for parking for the BART Station on weekdays

Should you have any questions regarding the workplan please call the undersigned.

Sincerely,

John N Alt
Certified Engineering Geologist No. 1136

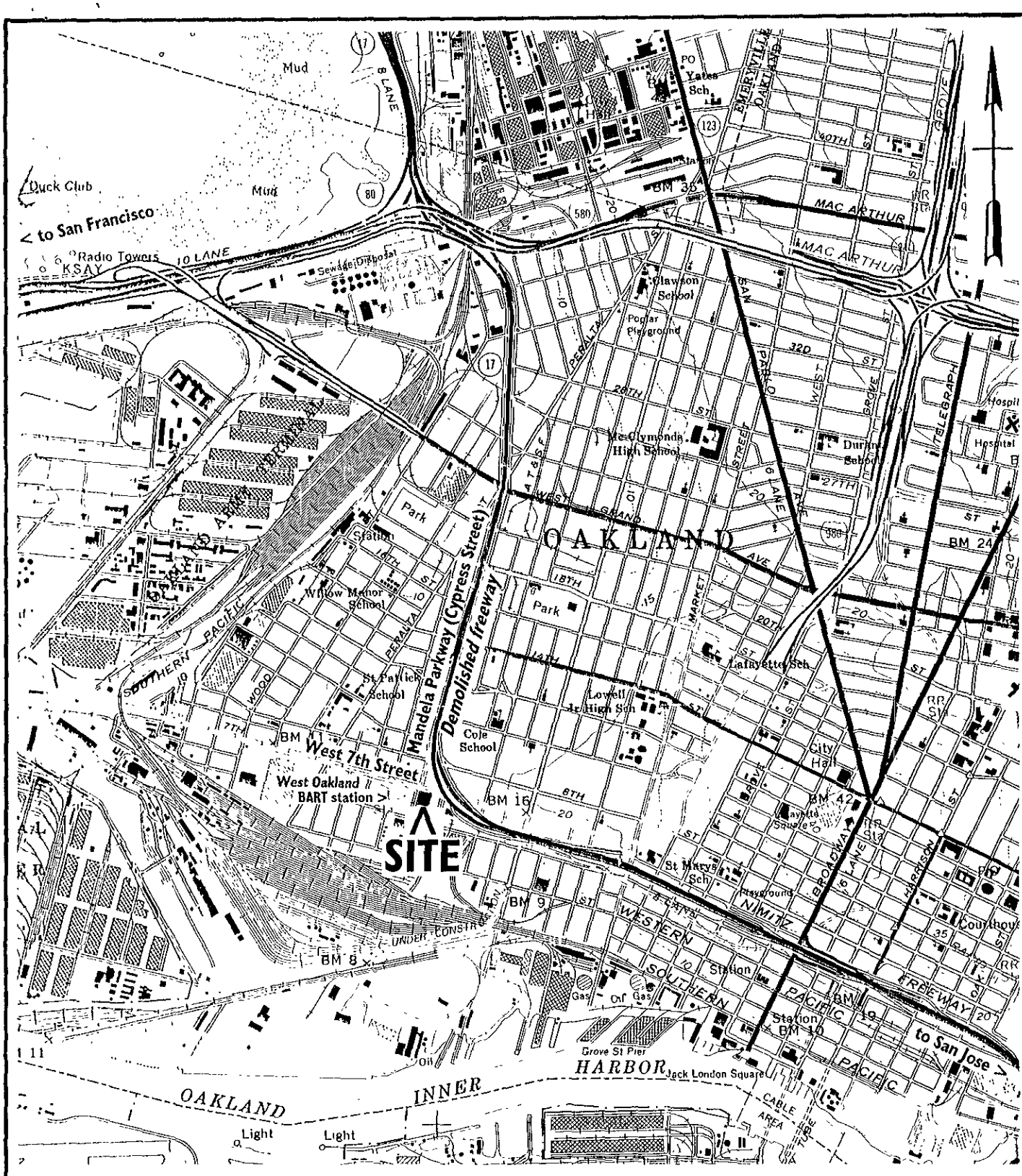
CC: Mr Henry Tran, Trucker's Friend

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
AFTER OVER-EXCAVATING FOR WASTE OIL TANK

Sample No.	TPH Gasoline	TPH Diesel	Oil & Grease	MTBE	Benzene	Toluene	Ethylben-zene	Xylenes	Lead (TTLC)
S-A1	ND	ND	ND	ND	ND	ND	ND	ND	7.7
S-A2	3.7	11	ND	ND	ND	ND	ND	0.008	6.1
S-A3	ND	ND	ND	ND	ND	ND	ND	ND	5 3
S-A4	180	2400	3200	ND	ND	0.035	ND	0 30	5 8
Water	65	3700	37	ND	ND	ND	ND	ND	-

NOTES:

1) See Figure 3 for soil sample locations; samples taken at depth of 7 –7 ½ feet.
2) MTBE results based on modified 8020.
3) Soil reported in mg/kg.
4) Water sample is from groundwater at bottom of pit.
5) Water reported in ug/L.



Base map from USGS 7½ minute series
Oakland West quadrangle, 1980.

1 ½ 0 MILES

1000 0 1000 2000 3000 FEET

EPIGENE INTERNATIONAL	1395 WEST 7TH STREET, Oakland Alameda County California

Fig. 1

SITE LOCATION MAP

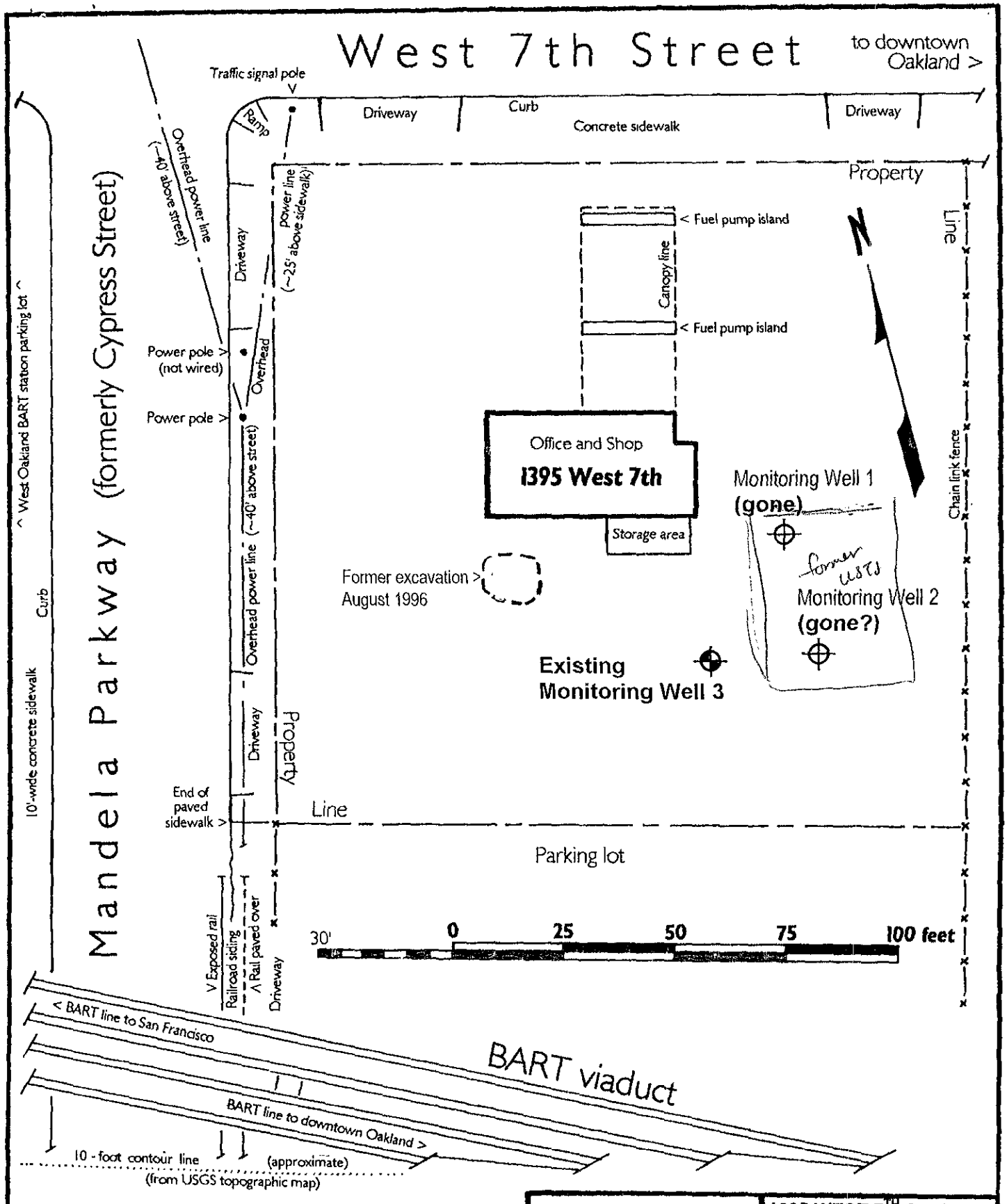


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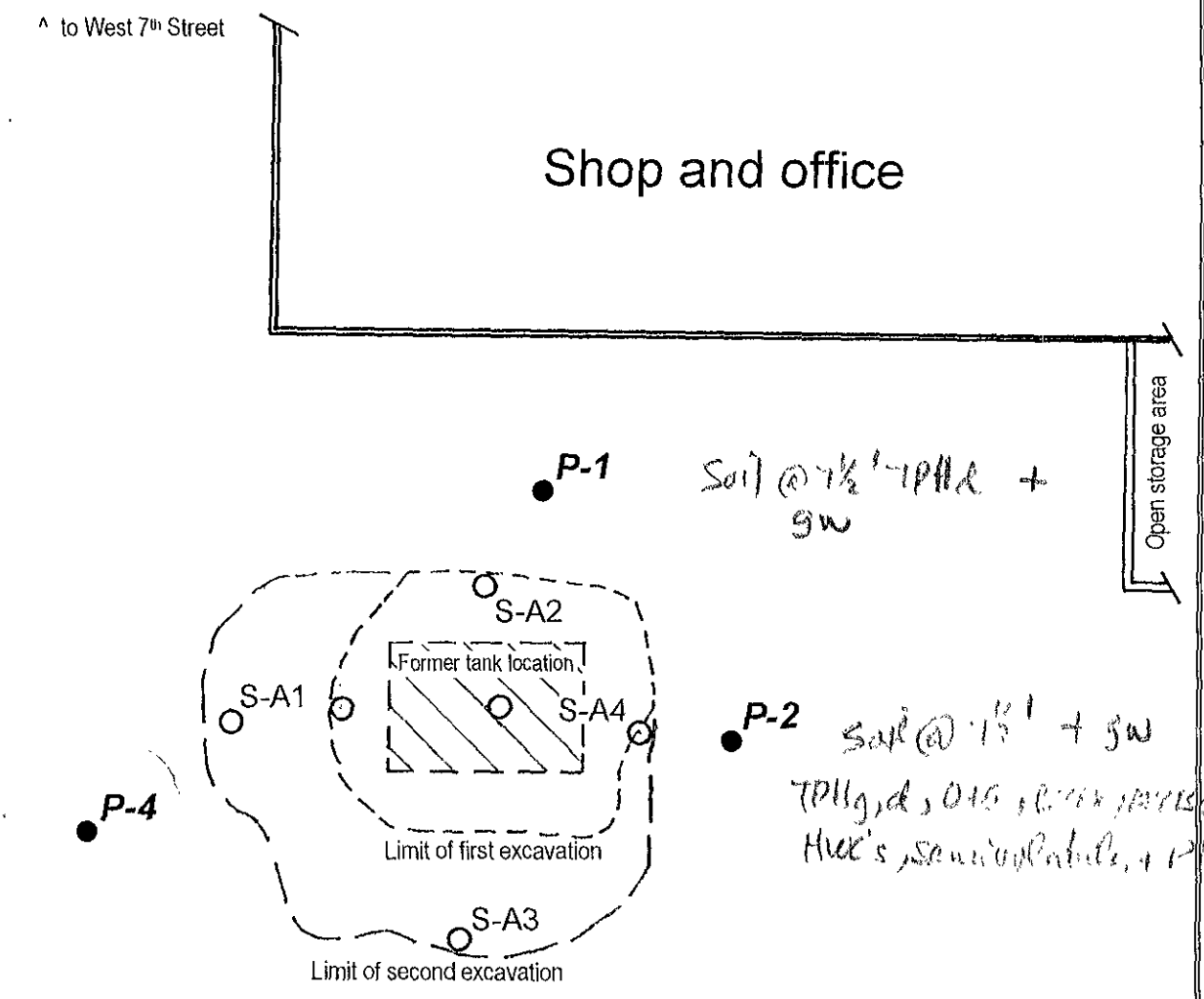
Fig. 2

SITE PLAN

Plan derived from field measurements by Epigene International, Fremont, California, August 19, 1996



See Table 1 for a summary of the analysis of samples S-A1 through S-A4.

Legend

O Soil sample taken August 1996.

P-
● Proposed Geo-probe location.

Epigene International

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Oakland,
Alameda County, California.

Fig. 3

PROPOSED PROBE LOCATIONS