

ALCO
HAZMAT

94 JUN 13 PM 12: 28

4868



Epigene International
CONSULTING GEOLOGISTS

March 21, 1994

Mr. James Brinker
Bernabe and Brinker, Inc.
1281 30th Ave.
Oakland, CA 94608

Subject: Proposed Workplan for Subsurface Investigation of Potential
Soil and Groundwater Contamination for Site Located at 1200
20th Ave., Oakland

Dear Mr. Brinker;

This Workplan for the subject site has been prepared as per our discussions and the letter request from Mr. Barney Chan of the Alameda County Department of Environmental Health. The site location is shown on Figure 1. Two former gasoline tanks were removed from the site on January 19, 1994. Soil samples collected at the time of the removal of the tanks indicates the presence of soil contamination in the northwest sidewall of the excavation. The results of the initial sampling were included in a report by Epigene International, dated February 14, 1994. Because of the relatively high levels of soil contamination encountered, it is necessary to evaluate the potential for groundwater contamination below the site.

The proposed Workplan consists of the following tasks:

- 1) Carry out a site reconnaissance to identify and mark locations for three monitoring wells based on tank locations, assumed hydrogeologic setting and logistical constraints; proposed well locations are shown on Figure 2. locations are constrained by power lines directly above the former tank area;

2) Obtain well permits from Zone 7, notify Underground Service Alert, prepare Health and Safety Plan, arrange for drilling subcontractor and laboratory, coordinate field schedule with County and/or other regulatory agencies; it is my understanding that you will obtain the permits required for the City of Oakland, as two of the wells will be on city property;

④
w/ field instrument
Screen every 5' + analyze min 2 samples/borehole

3) Oversee the drilling and installation of three monitoring wells, compile geologic logs of the units encountered, collect and preserve selected soil samples for analysis;

4) Transport soil samples under chain-of-custody control to a State Certified Laboratory for analysis of TPH as gasoline and BTEX, the estimated costs are based on a total of six soil samples;

5) Development, purging and sampling of groundwater from each well, transporting water samples to a State Certified Laboratory for analysis of TPH as gasoline and BTEX;

⑤
to MSZ

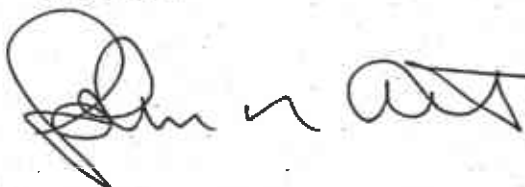
6) Surveying the absolute or relative elevation of the top of the well casings, gauging depth to groundwater for each well, computing the direction and slope of the groundwater gradient;

7) Review of data and preparation of a report to document the results of the investigation.

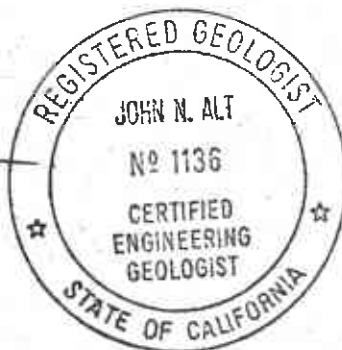
Q ① Soil disposition? ← going to BFI
② ULR? Have these been filled out?
③ Clarify location of initial soil spels on Fig 3
OH type map (2/14/94)

We are prepared to initiate the investigation upon receiving your authorization to proceed. The estimated costs are itemized in a separate letter. Should you have any questions or require additional information, please contact the undersigned. As we discussed, a tank closure report will be prepared as a separate document. It is our understanding that you will complete an Unauthorized Release Report for the site.

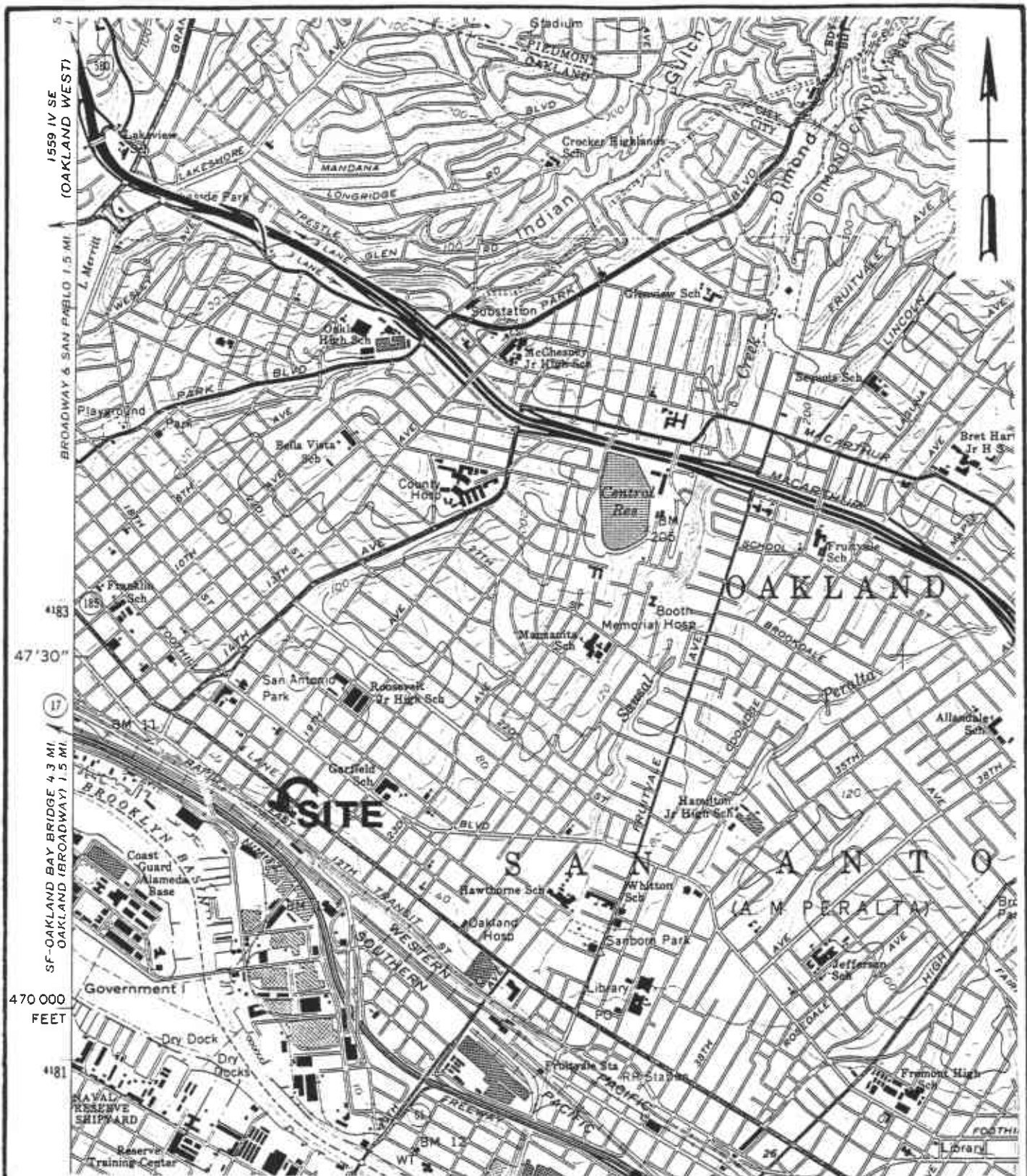
Sincerely,



John N. Alt, CEG No. 1136



cc: Mr. Barney Chan, Alameda County Dept. of Environmental Health
Mr. Robert Shapiro, Esq.



1559 IV SE
(OAKLAND WEST)

BROADWAY & SAN PABLO 1.5 MI

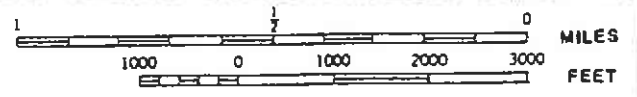
47°30"

17

SF-OAKLAND BAY BRIDGE 4.3 MI
OAKLAND (BROADWAY) 1.5 MI

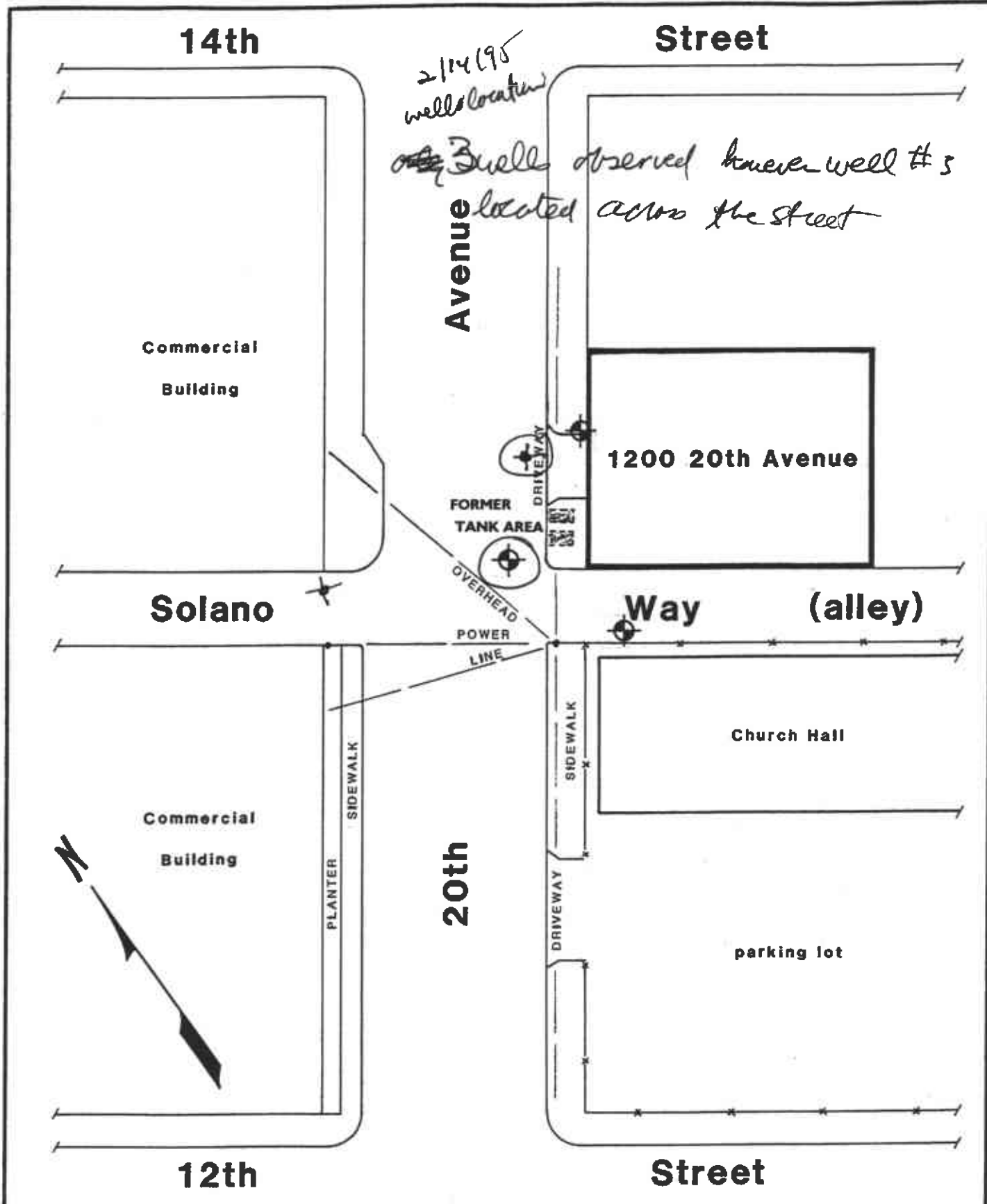
470 000
FEET

4181



Base map from U.S.G.S. 7 1/2' series
Oakland East quadrangle, 1980.

EPIGENE INTERNATIONAL Fig. 1	Project #94087 1200 20th Avenue, Oakland, California.
	SITE LOCATION MAP



2/14/95 wells location
Buell observed however well #5 located across the street



Proposed monitoring well.

EPIGENE INTERNATIONAL	Project # 94067 1200 20th Avenue, Oakland, California
Fig. 2 PROPOSED MONITORING WELL LOCATIONS	