



Contractor's License #643881

ALCO  
HAZMAT

Accutite Environmental Engineering

35 So. Linden Avenue, South San Francisco, CA 94080-6407 Tel: (415) 952-5551 Fax: (415) 952-7631 Tank Testing (415) 952-0327

February 4, 1994

Ms. Juliet Chin  
Alameda County Health Agency  
Division of Hazardous Materials  
Department of Environmental Health  
80 Swan Way, Rm. 350  
Oakland, CA 94621

**RE: WORK PLAN ADDENDUM FOR SOIL OVER EXCAVATION AT  
711 CLEVELAND STREET, ALBANY, CA 94710**

Dear Ms. Chin:

Accutite Environmental Engineering is pleased to submit this Addendum to the Work Plan dated August 5, 1993 to continue over excavating at the site located at 711 Cleveland Street, Albany, California.

Work is scheduled for the week of February 15, 1994. Your presence is requested to witness soil sampling. I will contact you on February 11, 1994 to confirm the date and time.

If you have any questions, please contact me at (415) 952-5551.

Regards,  
Accutite Environmental Engineering

Amy P. Marden-Breckenridge  
Project Engineer

cc: Frank and Bob Zichichi, Z-Rentals  
Enclosure

**WORK PLAN ADDENDUM FOR SOIL OVER EXCAVATION AT  
711 CLEVELAND STREET, ALBANY, CA 94710**

Background:

The subject site lies just east of Highway 80 and half a mile south of Central Avenue in Albany and is approximately twenty feet above mean sea level. One 2,000 gallon gasoline and one 500 gallon diesel underground storage tank (UST) were removed in May 1993. An over excavation of contaminated soil was performed in August 1993. However, the contamination was found to migrate under the nearby corrugated steel building. Groundwater was not encountered in the excavation which terminated at a depth of eleven feet due to hard sandstone.

Remedial Soil Investigation, August 17, 1993:

On August 17, 1993, Accutite Environmental Engineering conducted limited over-excavation of the former gasoline and diesel tank excavation at the subject site. The work was initiated due to the soil sampling results reported from the tank removals and a request from Alameda County Health Agency.

Utilizing a Case 580 backhoe, the former tank excavations were enlarged. Contaminated soil was removed and stockpiled on site and covered with visqueen. The top 3 feet of material was drain rock previously imported and used to backfill the excavation during the tank removal. This drain rock was separated from contaminated soil to be used as backfill.

As soil was removed, samples were collected from the sidewalls. Soil samples could not be collected from the bottom of the excavation due to the presence of sandstone. A total of 4 soil samples were collected from the excavation (9 feet wide by 26 feet long by 11 feet deep) and analyzed for Total Petroleum Hydrocarbons as Diesel (TPH-D), Total Petroleum Hydrocarbons as Gasoline (TPH-G) and Benzene, Toluene, Ethyl Benzene and Xylene (BTEX). Samples were transported under chain of custody to a certified laboratory. Alameda County Inspector Scott Seery was present for Juliet Shin to witness the investigation and soil sampling. Groundwater was not encountered in the excavation. The soils on site consisted of fill material with debris, black organic clay with some coarse sand. Contaminated soil was green in color.



TABLE 1

Laboratory Results:

Analytical Results of Soil Samples  
from Tank Removals  
for Total Petroleum Hydrocarbons  
EPA Method 5030/8015/8020  
EPA Method 3550/8015  
Z Rental Properties  
711 Cleveland Street, Albany, CA  
May 19 & 21, 1993

Sample Location	TPH/D	TPH/G	Benzene	Toluene	Ethyl-Benzene	Total Xylenes
<u>May 19, 1993</u>						
N10'	N.A.	52	N.D.	N.D.	N.D.	N.D.
S10'	N.A.	92	0.028	N.D.	N.D.	N.D.
Composite sample SP	N.A.	14	N.D.	N.D.	N.D.	0.051
<u>May 21, 1993</u>						
D9'	6.8	N.A.	N.D.	N.D.	N.D.	N.D.
Composite sample SP2	1,400	N.A.	0.025	0.057	N.D.	0.29
Detection Limits	1.0	1.0	0.005	0.005	0.005	0.005

All analytical results are reported in parts per million (ppm).

Please refer to the attached original laboratory results.

N.A. = Not Available

N.D. = Non-Detect



TABLE 2

Laboratory Results:

Remedial Soil Investigation  
Analytical Results from Soil Samples  
for Total Petroleum Hydrocarbons  
EPA Method 5030/8015/8020  
EPA Method 3550/8015  
Z Rental Properties  
711 Cleveland Street, Albany, CA  
August 17, 1993

Sample Location	TPH/D	TPH/G	Benzene	Toluene	Ethyl-Benzene	Total Xylenes
<u>August 17, 1993</u>						
N-5'	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
S-6'	N.A.	150	26	N.D.	N.D.	N.D.
E-7'	3,100	42	N.D.	N.D.	0.089	0.068
W-5.5'	N.D.	N.D.	N.D.	N.D.	N.D.	
Composite sample SP1(1-4)	1,700	57	N.D.	N.D.	N.D.	0.059
<u>August 26, 1993</u>						
Composite sample (1-4)	770	140	N.D.	N.D.	N.D.	0.15
Detection Limits	1.0	1.0	0.005	0.005	0.005	0.005

All analytical results are reported in parts per million (ppm).

Please refer to the attached original laboratory results.

N.A. = Not Available

N.D. = Non-Detect



### Proposed Work Plan:

1. Call USA to perform underground utility clearance. Additionally, owner is responsible for outlining in white paint any known utilities.
2. Over excavate the south and east sidewall of the former gasoline/diesel tank excavation. Remove soil down to the level of the sandstone (approximate depth 11 feet). Place the contaminated excavated soil on and cover it with visqueen on site.
3. Collect three soil samples, one from the bottom and one from the south and east sidewalls of the excavation. Analyze samples for Total Petroleum Hydrocarbons as Gasoline (TPH-G) with Benzene, Toluene, Ethyl Benzene and Xylene (BTEX) distinctions, Total Petroleum Hydrocarbons as Diesel (TPH-D), EPA Method 8020 and 8080 Organochlorine Pesticides, based on Alameda County's (ACo) letter dated November 18, 1993. Collect one (4 point) composite soil sample (per 100 cu. yd) of the stockpiled contaminated soil. Analyze the sample for Total Petroleum Hydrocarbons as Gasoline (TPH-G) with Benzene, Toluene, Ethyl Benzene and Xylene (BTEX) distinctions and Total Petroleum Hydrocarbons as Diesel (TPH-D).
4. The sump inside the Metric Motion building was removed during the building demolition and cannot be accurately located. Based on Alameda County's letter dated November 18, 1993, Accutite proposes to analyze the east sidewall sample additionally for TTLC Lead and EPA Method 8010/8020 for Halogenated Volatile Organics. This is in lieu of ACo request for a sample below the sump.
5. Based on the analytical results from the stockpiled soil, an appropriate landfill (Class II or Class III) will be determined. Further analyses will be performed per landfill acceptance requirements.
6. Pending landfill acceptance, the stockpiled soil will be loaded, hauled and disposed of at a regulated landfill.
7. Backfill and compact the excavation with reusable excavated material and clean imported fill.
8. Prepare and submit a report to the Client within 30 days after work is completed. The report should include a description of all site activities, findings, conclusions and recommendations, a site map, a table of analytical results, field documentation, chain of custody, original laboratory analytical results and manifests.

### Soil Sampling Methodology for Excavations:

Soil samples from the excavation will be collected utilizing an adequate size excavator/backhoe. Before a brass liner is pounded into soil collected in the bucket of the excavator with a rubber mallet, several inches of soil will be removed from the surface. All sampling will be done in accordance with accepted sampling techniques. The soil samples will be collected in standard containers (brass liners), labeled and sealed (aluminum foil, plastic caps and duct tape). All samples will be immediately placed on blue ice and transported under chain-of-custody to Sequoia Analytical Laboratory in Redwood City, CA.



**Limitations:**

Our services consist of professional opinions, conclusions, and recommendations made today in accordance with generally accepted engineering principles and practices. This warranty is in lieu of all other warranties, either expressed or implied.

Accutite Environmental Engineering



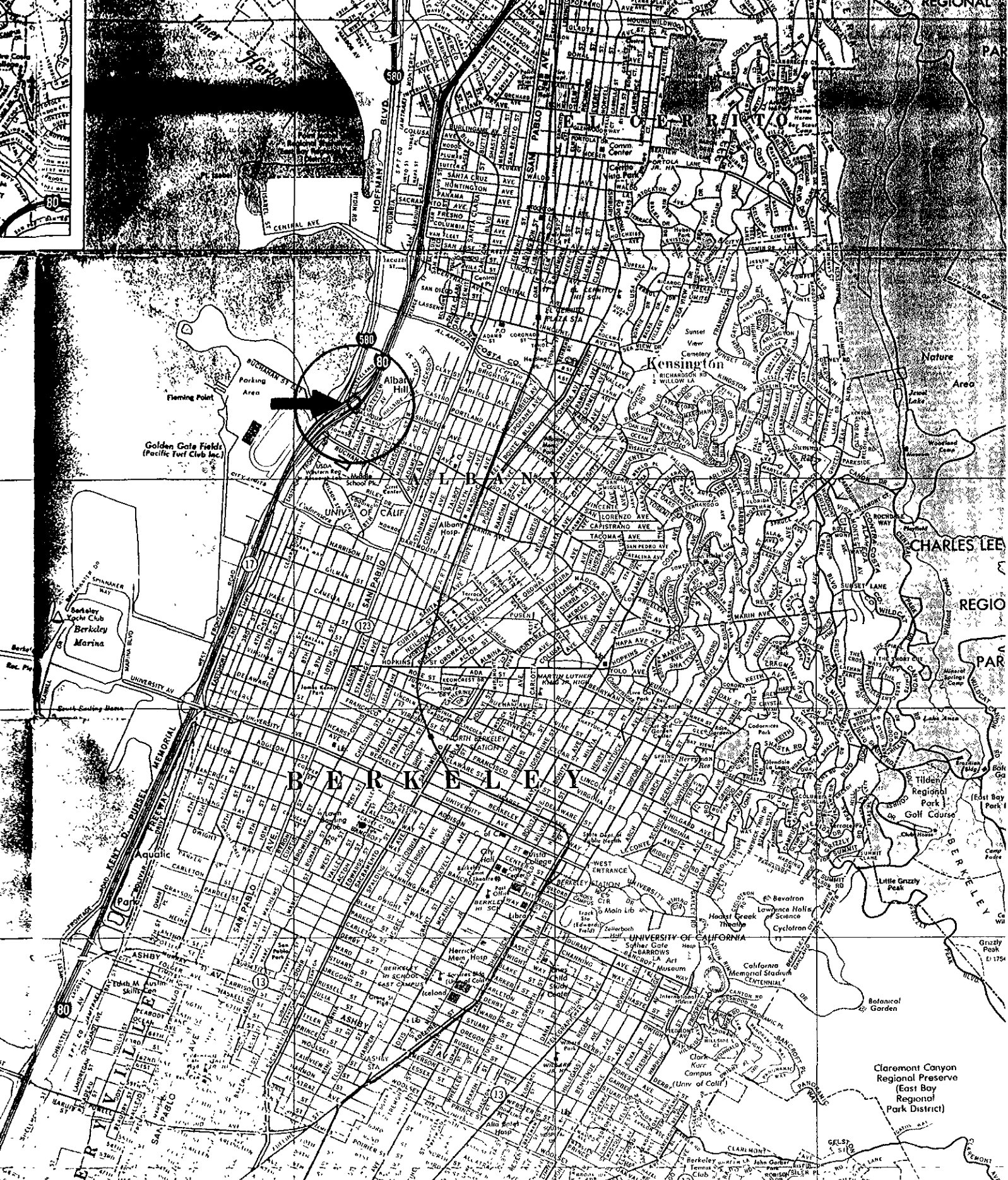
Amy P. Marden-Breckenridge  
Project Engineer



## Site Location

Z-Rentals, 711 Cleveland St., Albany, CA





711 Cleveland St., Albany, Ca

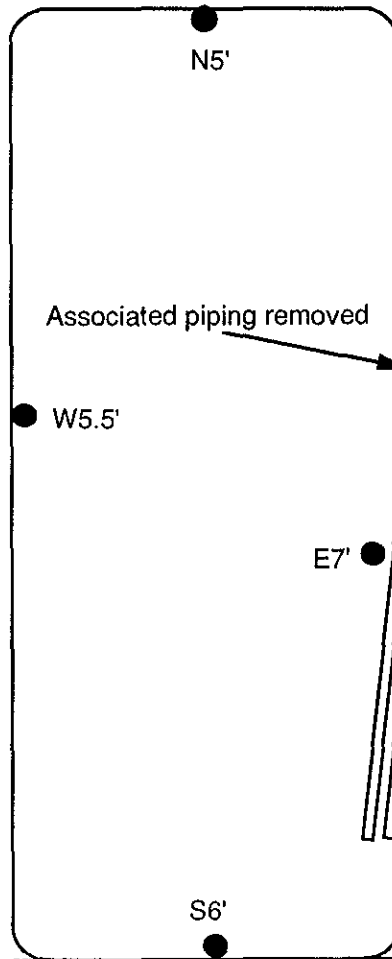
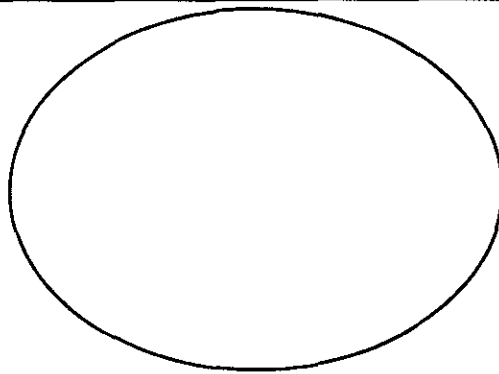


## Site Map

Z-Rentals, 711 Cleveland St., Albany, CA



Cleveland St.



Associated piping removed

Dispenser

Proposed location of bottom sample

10' x 20' x 11' Deep

20' X 5' X 11' Deep

Proposed locations of sidewall samples

Revisions	Date	Page
	Over Dig	1
1	17 Aug 93	of
	15 Feb 94	1

NORTH

SCALE 1" ~ 5'

Fig. 3

Site: Z Rental  
711 Cleveland Street  
Albany, CA

Key: ● Soil sample location

Proposed Over Excavation (shaded area)

By: ACCUTITE  
ENVIRONMENTAL  
ENGINEERING

35 South Linden Avenue  
South San Francisco  
California 94080