

KEI
KAPREALIAN ENGINEERING
INCORPORATED

ENVIRONMENTAL
PROTECTION
96 AUG 26 PM 4: 1996

August 20, 1996

Paradiso Mechanical, Inc.
P.O. Box 1836
San Leandro, CA 94577

Attention: Mr. Rick Montesano

RE: EBMUD Soil Sampling
Berkeley Land Company
"Temiscal Plaza"
51st Street & Telegraph Avenue
Oakland, California

Dear Mr. Montesano:

At the request of East Bay Municipal Utilities District (EBMUD), Kaprealian Engineering, Inc. (KEI) was on-site on August 6, 1996, to collect soil samples from select locations at the site.

One soil sample, labeled STR1(3.25), was collected from the open utility trench at a depth of approximately 3.25 feet below grade. The undisturbed soil sample was collected by the use of a driven tube-type soil sampler. The sample was placed in clean, two-inch diameter brass tube, sealed with Teflon-lined plastic caps, and then stored in a cooled ice chest for delivery to a state-certified laboratory.

In addition, one composite soil sample, labeled STR(1-2), was collected from approximately 18 cubic yards of excavated soil that was stockpiled on-site. Composite sample STR(1-2) consisted of ~~four individual samples~~ collected at various points in the stockpile(s), at depths ranging from 1 to 2 feet into the pile. The samples were also collected in clean two-inch diameter brass tubes and handled as described above. The individual samples were then composited at the laboratory. Sample point locations are as shown on the attached Figure 1.

The soil samples were submitted to Sequoia Analytical Laboratory in Walnut Creek, California, and were accompanied by properly executed Chain of Custody documentation. Samples were analyzed for total petroleum hydrocarbons (TPH) as gasoline by EPA method 5030/modified 8015, benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA method 8020, TPH as diesel by EPA method 3550/modified 8015, volatile organic compounds by EPA method 8240, and CAM 17 metals. The results of the soil analyses are summarized in the attached Table 1. Copies of the laboratory analyses and Chain of Custody documentation are attached.

Mr. Rick Montesano
Paradiso Mechanical, Inc.

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You will notice that TPH as gasoline, BTEX, TPH as diesel, and all of the EPA method 8240 constituents were non-detectable in both of the samples. In addition, all of the CAM 17 metals were below the California Code of Regulations, Title 22 limits.

If you have any questions, comments, or concerns, please do not hesitate to call at (510) 602-5104.

Sincerely,

Kaprealian Engineering, Inc.



Hagop Kevork
Staff Engineer



Robert H. Kezerian
Project Manager

rhk:jad

Attachments: Table 1
Figure 1
Laboratory Analyses
Chain of Custody documentation

cc: Mr. Paul Smith, Paul B. Smith Company
Mr. Adam Weber, Bogard Construction
Ms. Madhulla Logan, Alameda County Health Care Services Agency

Berkeley Land Company
 "Temiscal Plaza"
 51st Street & Telegraph Avenue
 Oakland, California

TABLE 1

SAMPLE ANALYTICAL RESULTS
 SOIL

<u>Date</u>	<u>Sample</u>	<u>Depth (feet)</u>	<u>TPH as Diesel</u>	<u>TPH as Gasoline</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl-benzene</u>	<u>Xylenes</u>	<u>EPA Method 8240 Constituents</u>
8/06/96	STR(1-2)* STR1(3.25)	N/A 3.25	ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND

ADDITIONAL ANALYSES
 CAM 17 METALS

<u>Metal</u>	<u>Title 22 Limit</u>	<u>STR(1-2)</u>	<u>STR(3.25)</u>
Antimony	500	7.2	7.6
Arsenic	500	ND	ND
Barium	10,000	160	170
Beryllium	75	0.54	0.60
Cadmium	100	ND	ND
Chromium(III)	2,500	31	36
Cobalt	8,000	10	11
Copper	2,500	31	36
Lead	1,000	7.9	7.8
Mercury	20	0.14	0.085
Molybdenum	3,500	4.1	4.9
Nickel	2,000	45	47
Selenium	100	ND	ND
Silver	500	ND	ND
Thallium	700	ND	ND
Vanadium	2,400	36	ND
Zinc	500	51	83

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TABLE 1 (Continued)

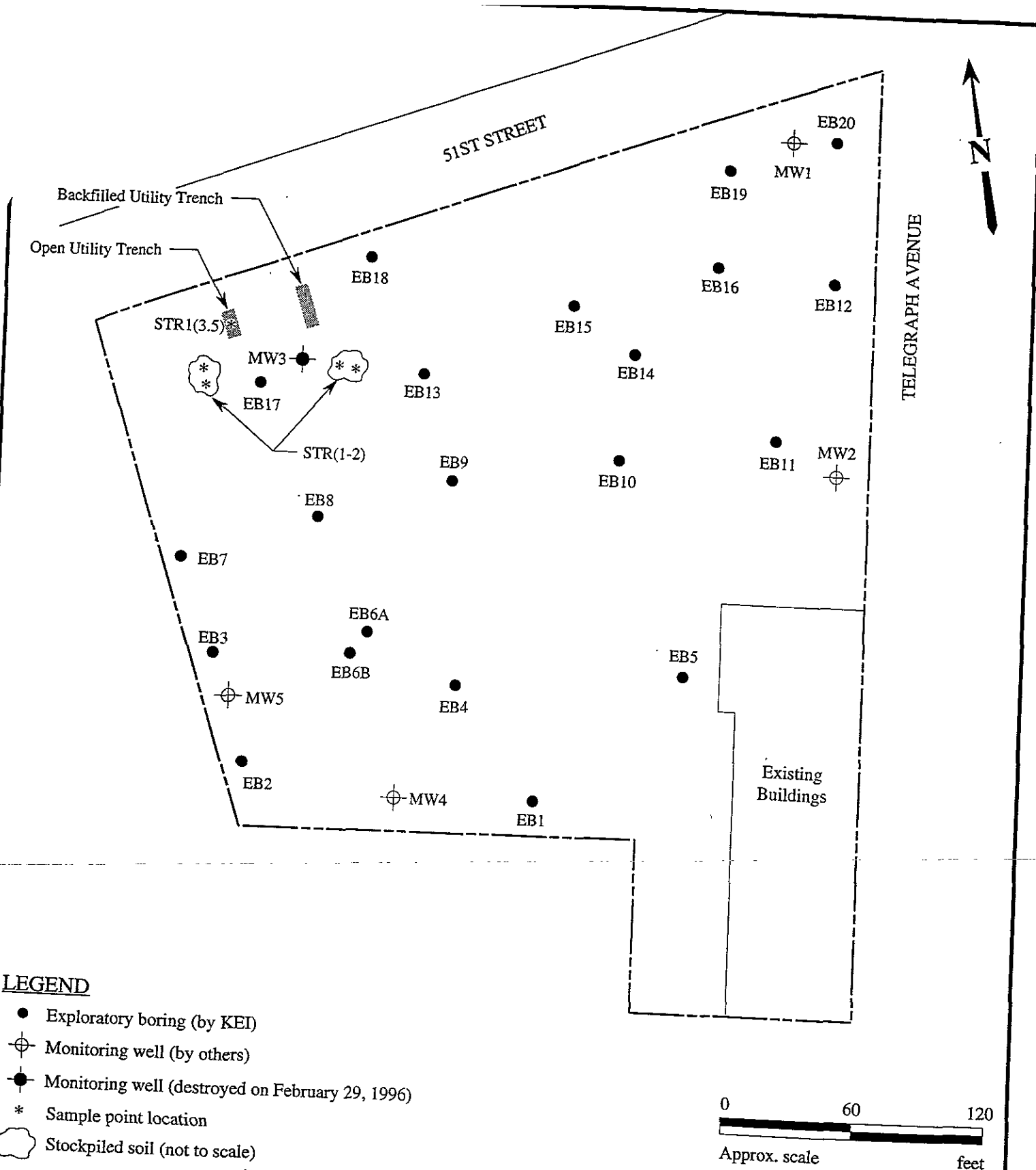
SAMPLE ANALYTICAL RESULTS
SOIL

* This sample is a four-part composite sample.

N/A = Not applicable.

ND = Non-detectable.

Results are in milligrams per kilogram (mg/kg), except for EPA method 8240 analysis, which is in micrograms per kilogram (μ g/kg).



Base map modified from an Advanced Soil Technology Inc. site plan

SITE PLAN



**BERKELEY LAND COMPANY
51ST STREET & TELEGRAPH AVE.
OAKLAND, CALIFORNIA**

**FIGURE
1**