

SOIL TECH ENGINEERING

Environmental and Geological Engineers

1761 JUNCTION AVENUE, SAN JOSE, CA 95112

(408) 441-1881

July 1, 1996

File No. 7-93-556-SI

Ms. Juliet Shin
Alameda County Health Care Services
Environmental Health Services
1131 Harbor Bay Parkway, Room #250
Alameda, California 94502-6577

ENVIRONMENTAL
PROTECTION
95 JUL -9 PM 2:56

**SUBJECT: WORK PLAN FOR ADDITIONAL SITE
ASSESSMENT FOR THE PROPERTY**

Located at 2740 98th Avenue, in
Oakland, California

Dear Ms. Shin:

In response to our recent phone conversation regarding the location of proposed monitoring wells for the property located at 2740 98th Avenue, in Oakland, California. Attached is a copy of verification soil sampling conducted after removal of piping and resampling of hot spot after over-excavation which was performed by Trace Analysis Laboratory.

As I mentioned during our phone conversation, the location of proposed well 4 and 5 was selected based on the results of soil sampling of removed piping and the results of our preliminary site assessment dated April 21, 1994. Well 4 and 5 will be installed ~~in~~ down-gradient of removed piping and our previous soil boring B-1. Well number 6 will be installed ~~in~~ down-gradient of existing ^{the} waste oil tank to assess the quality of soil and groundwater in the vicinity of the waste oil tank.

SOIL TECH ENGINEERING, INC.

Soil sampling will be collected at 5 foot intervals starting at 5 feet below the surface. After field screening, soil samples will be analyzed by state-certified laboratory for Total Petroleum Hydrocarbons as gasoline (TPHg), Benzene, Toluene, Ethylbenzene and Total Xylenes (BTEX). In addition, soil samples from monitoring well 6 will be analyzed for waste oil constituents.

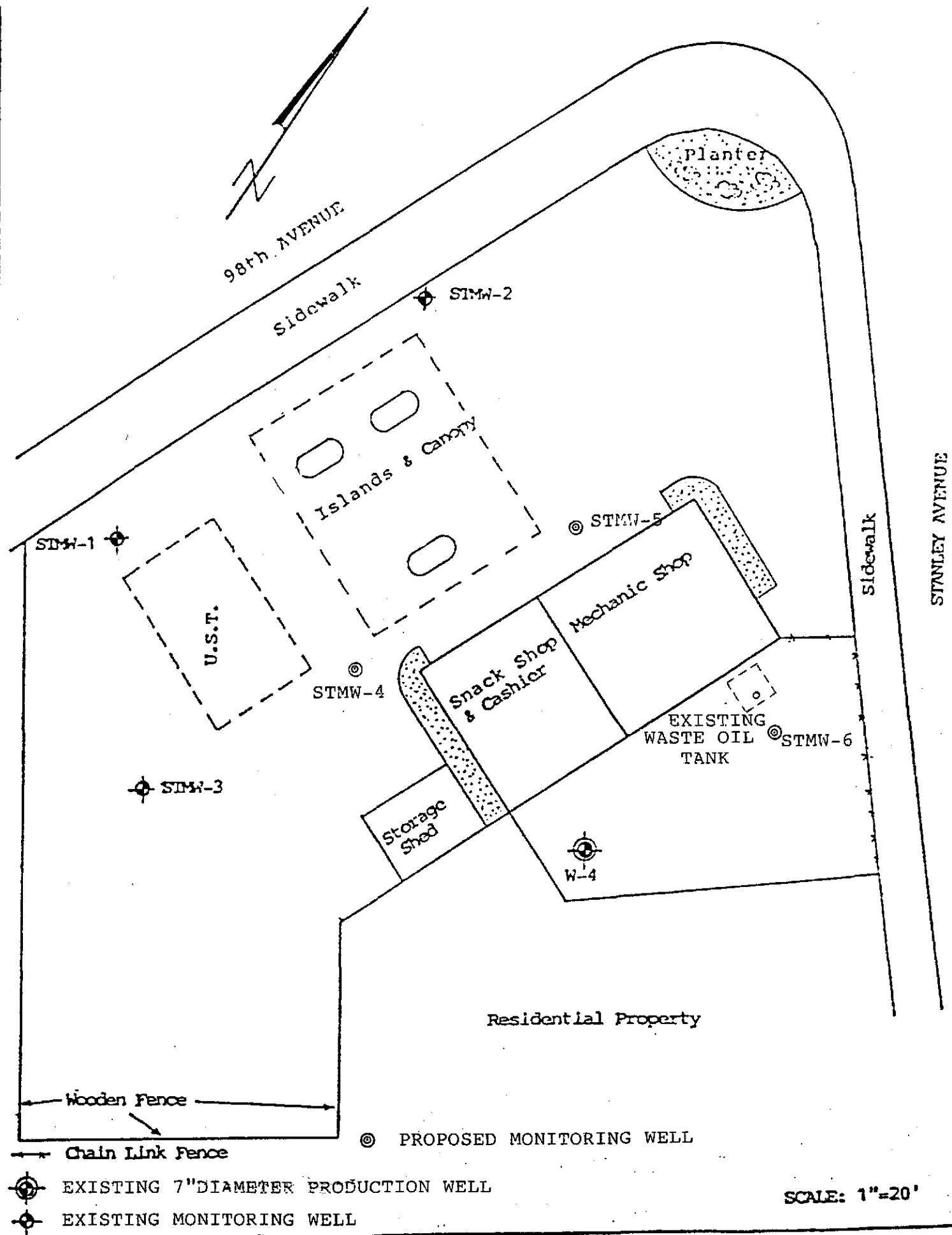
Furthermore, it was agree that well W-4 will not be decommissioned during the course of this investigation. However, based on the results of this investigation, well W-4 may be decommissioned and replaced with another well in the down-gradient ^{direction} at ~~the~~ _a later time.

Sincerely yours,

SOIL TECH ENGINEERING, INC.



FRANK HAMEDI-FARD
GENERAL MANAGER



⊙ PROPOSED MONITORING WELL

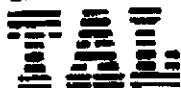
- ⊙ EXISTING 7" DIAMETER PRODUCTION WELL
- ⊙ EXISTING MONITORING WELL

SCALE: 1"=20'

Figure 2

Trace Analysis Laboratory, Inc.
3423 Investment Boulevard, #8 • Hayward, California 94545

Telephone (510) 783-6960
Facsimile (510) 783-1512



June 25, 1993

Mr. Mark East
E & G Construction
6433 Oberlyn Way
San Jose, California 95123

Dear Mr. East:

Trace Analysis Laboratory took fourteen soil samples on June 18, 1993, for your project, Rhino, 2740 98th Avenue, Oakland (our custody log number 3341).

These samples were analyzed for Total Petroleum Hydrocarbons as Gasoline, and Benzene, Toluene, Ethylbenzene, and Xylenes. Our analytical report and a copy of the completed chain of custody form are enclosed for your review.

Trace Analysis Laboratory is certified under the California Environmental Laboratory Accreditation Program. Our certification number is 1199.

If you should have any questions or require additional information, please call me.

Sincerely yours,


for Scott T. Ferriman
Project Specialist

Enclosures

Trace Analysis Laboratory, Inc.

3423 Investment Boulevard, #8 • Hayward, California 94545

Telephone (510) 783-6999

Facsimile (510) 783-1511



LOG NUMBER: 3341
 DATE SAMPLED: 06/18/93
 DATE RECEIVED: 06/18/93
 DATE EXTRACTED: 06/21/93
 DATE ANALYZED: 06/23/93
 DATE REPORTED: 06/25/93

CUSTOMER: E&G Construction
 REQUESTER: Mark East
 PROJECT: 2740 98th Avenue

Sample Type: Soil

Method and Constituent:	Units	Composite of SP1-A, SP1-B, SP1-C		Composite of SP2-A, SP2-B, SP2-C		1	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	Concen- tration	Reportin Limit

DHS Method:

Total Petroleum Hydrocarbons as Gasoline	mg/kg	39	0.50	0.58	0.50	2,900	18
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Modified EPA Method 8020 for:

Benzene	mg/kg	0.018	0.014	0.013	0.0050	19	0.71
Toluene	mg/kg	0.42	0.015	0.020	0.0050	200	0.74
Ethylbenzene	mg/kg	0.094	0.016	0.0064	0.0050	72	0.78
Xylenes	mg/kg	2.7	0.041	0.066	0.015	540	2.0

Method and
Constituent:

Units	2		3		4	
	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	Concen- tration	Reportin Limit

DHS Method:

Total Petroleum Hydrocarbons as Gasoline	mg/kg	310	1.8	ND	0.50	1,900	18
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Modified EPA Method 8020 for:

Benzene	mg/kg	0.91	0.071	ND	0.0050	1.3	0.71
Toluene	mg/kg	19	0.074	0.007	0.0050	4.9	0.74
Ethylbenzene	mg/kg	3.6	0.078	ND	0.0050	8.1	0.78
Xylenes	mg/kg	57	0.20	0.020	0.015	230	2.0

Concentrations reported as ND were not detected at or above the reporting limit.



Trace Analysis Laboratory, Inc.

LOG NUMBER: 3341
 DATE SAMPLED: 06/18/93
 DATE RECEIVED: 06/18/93
 DATE EXTRACTED: 06/21/93
 DATE ANALYZED: 06/23/93
 DATE REPORTED: 06/25/93
 PAGE: Two

Sample Type: Soil

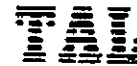
Method and Constituent:	Units	5		6		7	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	Concen- tration	Reporti Limit
DHS Method: Total Petroleum Hydro- carbons as Gasoline	mg/kg	1,900	18	550	18	ND	0.5
Modified EPA Method 8020 for:							
Benzene	mg/kg	ND	0.71	3.7	0.71	0.0053	0.0
Toluene	mg/kg	24	0.74	22	0.74	0.019	0.0
Ethylbenzene	mg/kg	12	0.78	13	0.78	ND	0.0
Xylenes	mg/kg	230	2.0	160	2.0	0.069	0.0

Method and Constituent:	Units	8		Method Blank	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit
DHS Method: Total Petroleum Hydro- carbons as Gasoline	mg/kg	ND	0.50	ND	0.50
Modified EPA Method 8020 for:					
Benzene	mg/kg	0.0046	0.0050	ND	0.0050
Toluene	mg/kg	0.020	0.0050	ND	0.0050
Ethylbenzene	mg/kg	0.0058	0.0050	ND	0.0050
Xylenes	mg/kg	0.028	0.015	ND	0.015

QC Summary:

% Recovery: 105
 % RPD: 1.7

Concentrations reported as ND were not detected at or above the reporting limit.



Trace Analysis Laboratory, Inc.

LOG NUMBER: 3341
 DATE SAMPLED: 06/18/93
 DATE RECEIVED: 06/18/93
 DATE EXTRACTED: 06/22/93
 DATE ANALYZED: 06/23/93
 DATE REPORTED: 06/25/93
 PAGE: Three

Sample Type: Soil

Method and Constituent:	Units	1		2		3	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
EPA Method 7420:							
Lead	mg/kg	12	3.6	23	3.6	4.4	3.6

Method and Constituent:	Units	4		5		6	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
EPA Method 7420:							
Lead	mg/kg	6.6	3.6	11	3.6	4.4	3.6

Method and Constituent:	Units	7		8		Composite of SPI-A, SPI-B, SPI-C	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
EPA Method 7420:							
Lead	mg/kg	ND	3.6	ND	3.6	7.5	3.6


Method and Constituent:	Units	Composite of SP2-A, SP2-B, SP2-C		Method Blank	
		Concentration	Reporting Limit	Concentration	Reporting Limit
EPA Method 7420:					
Lead	mg/kg	10	3.6	ND	3.6

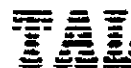
QC Summary:

% Recovery: 71

% RPD: **

Concentrations reported as ND were not detected at or above the reporting limit.
 **The RPD is not reportable since the sample prepared in duplicate was not detectable.


 Louis W. DuPuis
 Quality Assurance/Quality Control Manager



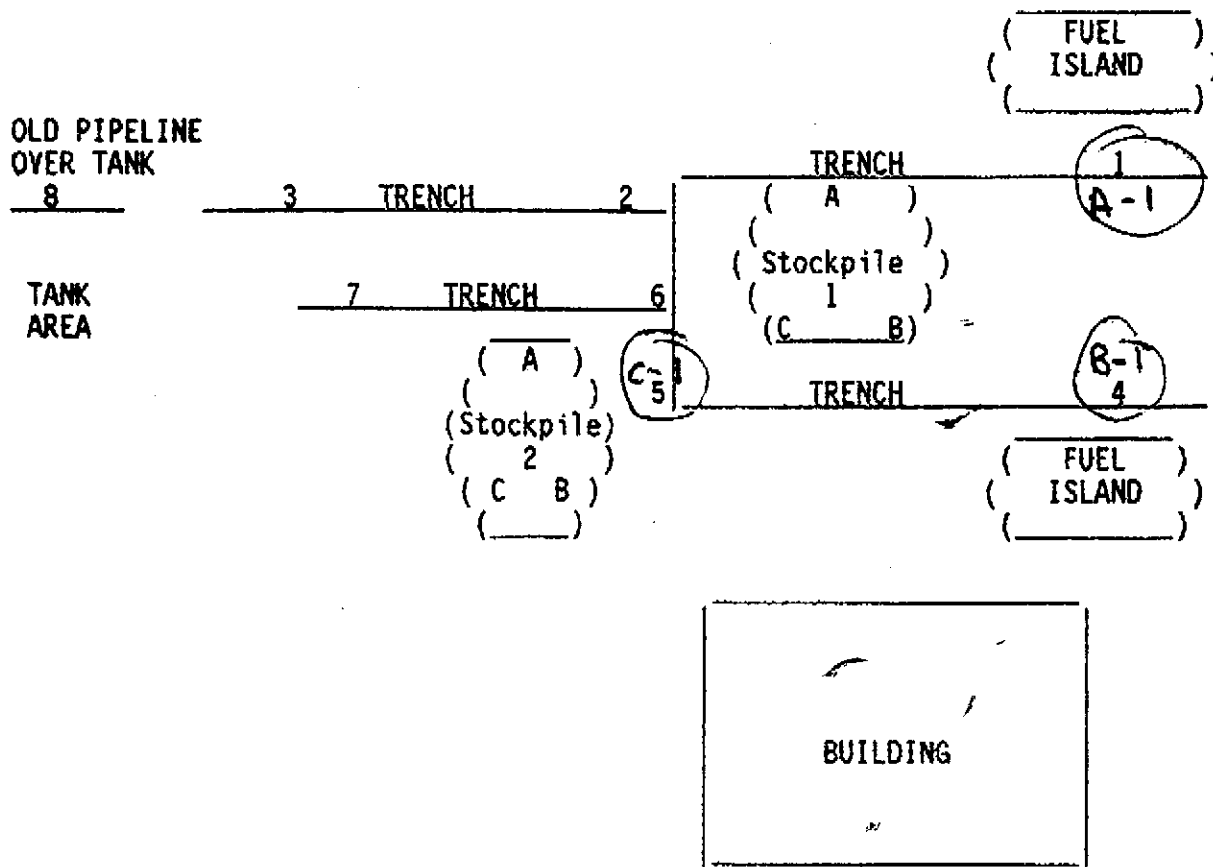
Trace Analysis Laboratory, Inc.

Site: Rhino
Address: 2740 98th Avenue
Oakland, CA

North



98th Avenue



Requester: Mark East
Customer: E&G Construction
Address: 6433 Oberlyn Way
San Jose, CA 95123

Date Sampled: 06/18/93
Log #: 3341

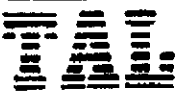
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Trace Analysis Laboratory, Inc.

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Telephone (510) 783-6960

Facsimile (510) 783-1512



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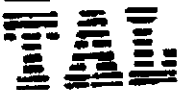
CHAIN OF CUSTODY RECORD

Proj.No.		Project Name		No. of Containers	Analyses:	REMARKS	
Company Name and Address:		Project Manager:					
Sample ID	Date	Time	Site Location				
2740-98th Ave		E & C Construction		Composite TPH/G/BTEX			
L & C Construction		Mark East					
SP1-A	6/18/93	3:05 PM	Stock pile				L-BT
SP1-B		3:09 PM					
SP1-C		3:10 PM					
SP2-A		3:11 PM					
SP2-B		3:12 PM					
SP2-C		3:13 PM					
Sampled by: (signature)		Date/Time	Relinquished by: (signature)		Date/Time		
For TAL Joan Baker		6/18/93					
Received by: (signature)		Date/Time	Relinquished by: (signature)		Date/Time		
For TAL Joan Baker							
Received for Laboratory by: (signature)		Date/Time	TURNAROUND TIME				
For TAL Joan Baker		6/18/93	5-day and fax confirmation				
REMARKS							
Mark East Plu, sampling, soil 14-BT, GP, Y-3, 5-Day							

Trace Analysis Laboratory, Inc.

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Facsimile (510) 783-1512



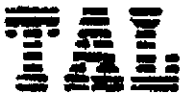
CHAIN OF CUSTODY RECORD

Proj.No.		Project Name		No. of Con- tainers	Analyses: TPHG PB BTX				REMARKS
Company Name and Address:		2740-98 th Ave Oakland							
Project Manager:		E & G Construction Mark East							
Sample ID	Date	Time	Site Location						
1	6/18/93	2:30 PM	Trench	1-BT	X	X			Soil, etc
2		2:33 PM			X	X			
3		2:36 PM			X	X			
4		2:39 PM			X	X			
5		2:42 PM			X	X			
6		2:46 PM			X	X			
7		2:50 PM			X	X			
8		3:00 PM			X	X			
Sampled by: (signature)			Date/Time	Relinquished by: (signature)			Date/Time		
for TAL <i>[Signature]</i>			6/18/93						
Received by: (signature)			Date/Time	Relinquished by: (signature)			Date/Time		
for TAL <i>[Signature]</i>									
Received for Laboratory by: (signature)			Date/Time	TURNAROUND TIME					
for TAL <i>[Signature]</i>			6/18/93	5 Day		for confirmation			
REMARKS				44-BT, V-3, 5-Day					
<i>[Signature]</i>									

Trace Analysis Laboratory, Inc.

3423 Investment Boulevard, #8 • Hayward, California 94545

Telephone (510) 783-6960
Facsimile (510) 783-1512



July 6, 1993

Mr. Mark East
E & G Construction
6433 Oberlyn Way
San Jose, California 95123

Dear Mr. East:

Trace Analysis Laboratory received three soil samples on July 2, 1993 for your project, 3-Way Arco, 2740 98th Avenue (our custody log number 3386).

These samples were analyzed for Total Petroleum Hydrocarbons as Gasoline and for Benzene, Toluene, Ethylbenzene and Xylenes. Our analytical report and a copy of the completed chain of custody form are enclosed for your review.

Trace Analysis Laboratory is certified under the California Environmental Laboratory Accreditation Program. Our certification number is 1199.

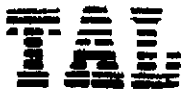
If you should have any questions or require additional information, please call me.

Sincerely yours,

A handwritten signature in black ink, appearing to read 'Scott T. Ferriman'. The signature is written in a cursive, flowing style.

for
Scott T. Ferriman
Project Specialist

Enclosures



LOG NUMBER: 3386
 DATE SAMPLED: 07/01/93 and 07/02/93
 DATE RECEIVED: 07/02/93
 DATE EXTRACTED: 07/02/93
 DATE ANALYZED: 07/03/93
 DATE REPORTED: 07/06/93

CUSTOMER: E & G Construction
 REQUESTER: Mark East
 PROJECT: 3-Way Arco, 2740 98th Avenue

Sample Type: Soil

Method and Constituent:	Units	A-1		B-1		C-1	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit
DHS Method:							
Total Petroleum Hydro- carbons as Gasoline	mg/kg	ND	0.50	15	0.50	ND	0.50
Modified EPA Method 8020 for:							
Benzene	mg/kg	ND	0.0050	0.15	0.0072	0.37	0.0072
Toluene	mg/kg	ND	0.0050	0.047	0.0073	0.041	0.0073
Ethylbenzene	mg/kg	0.0062	0.0050	0.036	0.0075	0.047	0.0075
Xylenes	mg/kg	ND	0.015	3.2	0.020	0.056	0.020

Concentrations reported as ND were not detected at or above the reporting limit.



LOG NUMBER: 3386
DATE SAMPLED: 07/01/93 and 07/02/93
DATE RECEIVED: 07/02/93
DATE EXTRACTED: 07/02/93
DATE ANALYZED: 07/03/93
DATE REPORTED: 07/06/93
PAGE: Two

Sample Type: Soil

<u>Method and Constituent:</u>	<u>Units</u>	<u>Method Blank</u>	
		<u>Concen- tration</u>	<u>Reporting Limit</u>
DHS Method:			
Total Petroleum Hydro- carbons as Gasoline	mg/kg	ND	0.50
Modified EPA Method 8020 for:			
Benzene	mg/kg	ND	0.0050
Toluene	mg/kg	ND	0.0050
Ethylbenzene	mg/kg	ND	0.0050
Xylenes	mg/kg	ND	0.015

QC Summary:

% Recovery: 76
% RPD: 3.6

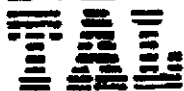
Concentrations reported as ND were not detected at or above the reporting limit.


Louis W. DuPuis
Quality Assurance/Quality Control Manager

Trace Analysis Laboratory, Inc.

3423 Investment Boulevard, #8 • Hayward, California 94545

Tel. _____
Facsimile (510) 783-75



562-4505
Arco Station

CHAIN OF CUSTODY RECORD

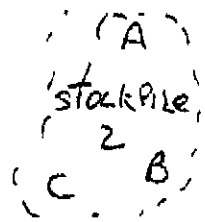
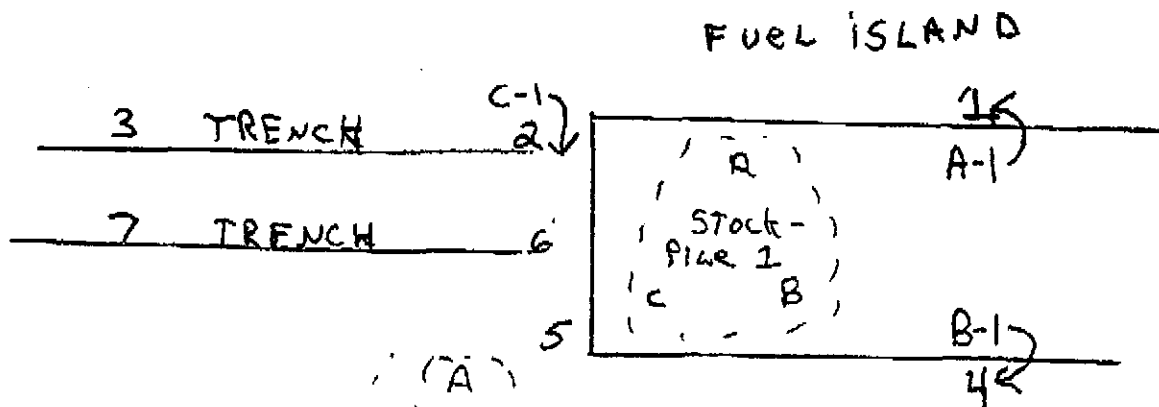
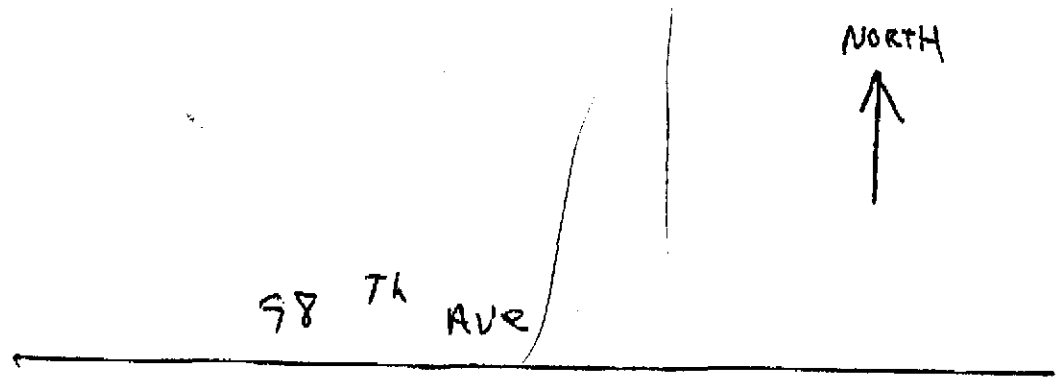
Proj.No.		Project Name		No. of Containers	Analyses:	REMARKS
		3-Way Arco ^{3740 95th Avenue}				
Company Name and Address: E+G Construction 6433 Oberly Way San Jose, CA 95123						
Project Manager: Mark East						
Sample ID	Date	Time	Site Location			
A-1	7/1	3:20	#1 Island at the Arco	1-BT	✓	
B-1	7/1	5:30	Island #2	1-BT	✓	
C-1	7/2	11:50	Island #1 Corner of AT	1-BT	✓	

Sampled by: (signature) <i>Mark East</i>	Date/Time 3:15 7-2-93	Relinquished by: (signature) <i>Mark East</i>	Date/Time 3:15 7-2-93
Received by: (signature)	Date/Time	Relinquished by: (signature)	Date/Time

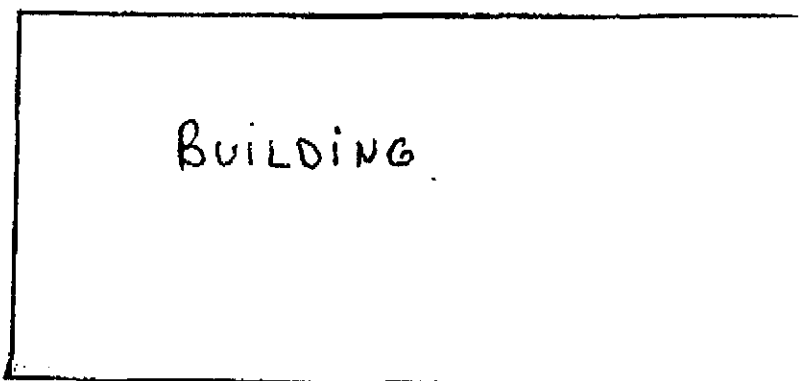
Received for Laboratory by: (signature) <i>Maureen Negrette for TAL</i>	Date/Time 7/2/93 3:15 PM	TURNAROUND TIME 1-day ASAP TAT
--	--------------------------------	--------------------------------------

REMARKS
TIP, 3 BT, 1-day, Y-Ce, ice

Freeway ARCO
2740 98TH AVE
OAKLAND CA



FUEL ISLAND



Date Sampled: 7-1, 7-2, /1993

LOG # 3386