

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



May 19, 1997

STID 2363

ENVIRONMENTAL HEALTH SERVICES

1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577  
(510) 567-6700  
(510) 337-9335 (FAX)

REMEDIAL ACTION COMPLETION CERTIFICATION

Environmental Industries  
24121 Ventura Boulevard  
Calabasas, CA 91302  
Attn: Mike Dingman

RE: VALLEY CREST LANDSCAPING, 7043 COMMERCE CIRCLE, PLEASANTON

Dear Mr. Dingman:

This letter confirms the completion of a site investigation and remedial action for the underground storage tank formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tanks are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground tank release is required.

This notice is issued pursuant to a regulation contained in Section 2721(e) of Title 23 of the California Code of Regulations.

Please contact our office if you have any questions regarding this matter.

Sincerely,

Mee Ling Tung  
Director, Environmental Health Services

c: Gordon Coleman, Acting Chief, Env. Protection Division  
Kevin Graves, RWQCB  
Lori Casias, SWRCB (w/enclosure)  
Chris Boykin, Livermore-Pleasanton Fire Dept. (w/enclosure)  
SOS/files

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



RO# 708

May 19, 1997

STID 2363

Mr. Mike Dingman  
Environmental Industries  
24121 Ventura Boulevard  
Calabasas, CA 91302

ENVIRONMENTAL HEALTH SERVICES  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577  
(510) 567-6700  
(510) 337-9335 (FAX)

RE: VALLEY CREST LANDSCAPING, 7043 COMMERCE CIRCLE, PLEASANTON

Dear Mr. Dingman:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37[h]) of the California Health and Safety Code. The State Water Resources Control Board (SWRCB) has required since March 1, 1997 that this agency use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at this site.

**SITE INVESTIGATION AND CLEANUP SUMMARY**

Please be advised that the following conditions exist at the site:

- o Up to 26 parts per million (ppm) Total Petroleum Hydrocarbons as Gasoline and 0.47 ppm Benzene, among other constituents, remain in native soil in proximity to the former gasoline UST.

If you have any questions, please contact the undersigned at (510) 567-6783.

Sincerely,

  
Scott O. Seery, CHMM  
Senior Hazardous Materials Specialist

Enclosures:

1. Case Closure Letter
2. Case Closure Summary

cc: Gordon Coleman, Acting Chief  
Chris Boykin, Livermore-Pleasanton Fire Dept.  
(w/enclosures)

Signed  
copy-

01-2140

ENVIRONMENTAL  
PROTECTION

CASE CLOSURE SUMMARY

07 APR 31 PM 3:00 Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: 03/18/97

Agency name: Alameda County-EPD Address: 1131 Harbor Bay Pkwy #250  
City/State/Zip: Alameda, CA 94502 Phone: (510) 567-6700  
Responsible staff person: Scott Seery Title: Sr. Haz. Materials Spec.

II. CASE INFORMATION

Site facility name: Valley Crest Landscaping  
Site facility address: 7043 Commerce Circle, Pleasanton 94566  
RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 2363  
URF filing date: 07/22/96 SWEEPS No: N/A

Responsible Parties: Addresses: Phone Numbers:  
Environmental Industries 24121 Ventura Blvd.  
Attn: Mike Dingman Calabasas, CA 91302

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	10,000	gasoline	removed	04/09/92
2	7,500	"	"	03/30/92
3	2,000	diesel	"	"
4	2,000	"	"	"

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: UNK (possible piping/dispenser leak)  
Site characterization complete? YES  
Date approved by oversight agency:  
Monitoring Wells installed? NO Number: NA  
Proper screened interval? NA  
Highest GW depth below ground surface: UNK Lowest depth: UNK  
Flow direction: UNK (presumed west)  
Most sensitive current use: commercial  
Are drinking water wells affected? NO Aquifer name: Dublin Subbasin  
Is surface water affected? NO Nearest affected SW name: NA  
Off-site beneficial use impacts (addresses/locations): NONE

Leaking Underground Fuel Storage Tank Program

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued)

Report(s) on file? YES Where is report filed? Alameda County  
 1131 Harbor Bay Pkwy  
 Alameda CA 94502

Treatment and Disposal of Affected Material:

<u>Material</u>	<u>Amount</u> (include units)	<u>Action (Treatment</u> <u>of Disposal w/destination)</u>	<u>Date</u>
Tank	10,000 gals	<u>Disposal</u> - H&H Ship Svc San Francisco, CA	04/09/92
	2 x 2000; 7500 gals	<u>Disposal</u> - H&H Ship Svc San Francisco, CA	03/30/92
Piping	UNK		
Free Product	NA		
Soil	3166 tons	<u>Disposal</u> - Gibson Refining Bakersfield, CA	05/26/92
Groundwater	19,260 gals	<u>Disposal</u> - H&H Ship Svc San Francisco, CA	04/01/92 - 04/27/92
	24,890 gals	<u>Disposal</u> - Gibson Pilot Redwood City, CA	05/11/92 - 05/27/92
Drums/Rinsate	NA		

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)	
	Before <sup>1</sup>	After <sup>2</sup>	Before <sup>3</sup>	After <sup>4</sup>
TPH (Gas)	4800	26	150,000	ND
TPH (Diesel)	420	17	1.1E+06	"
Benzene	18	0.47	1500	"
Toluene	170	0.16	3000	"
Xylene	710	1.8	14,000	"
Ethylbenzene	64	1.3	1800	"
Total Pb	6.7	NA	NA	NA

- Note:
- 1) "Before" soil results (except TPH-D) from sample 2PL-3 collected from piping trench. "Before" TPH-D results from sidewall sample WS-2 collected from tank Pit #1.
  - 2) "After" soil results (except TPH-D) from final sidewall samples collected from Pit #2. "After" TPH-D results from sample WW-3B collected from Pit #1.
  - 3) "Before" water results from sample W-1 collected from shallow GW in tank Pit #1 prior to purging.
  - 4) "After" water results from Geoprobe study conducted August 1996.

Leaking Underground Fuel Storage Tank Program

Comments (Depth of Remediation, etc.):

Four (4) fuel USTs were removed from this site during the Spring of 1992 under Pleasanton Fire Department oversight. Two steel 2000 gallon diesel and one steel 7500 gallon gasoline USTs shared Pit #1; a single 10,000 gallon gasoline was remotely located in Pit #2. Water was pumped from both pits between sampling events to the extent that approximately 44,000 gallons was removed.

Pit #1

Three USTs were removed from this shared tank pit on March 30, 1992. All tanks and associated product lines reportedly appeared sound. Product odor and staining were noted in pit sidewalls.

Although GW was encountered at approximately 8½ feet BG, 5 soil samples were initially collected from the base of the excavation in a black clay "aquitarde," none of which reportedly exhibited product staining or odors. Additional soil samples were collected from pit sidewalls at the apparent capillary fringe, all of which exhibited product odors and staining. A water sample was also collected from this pit.

Initial sidewall samples revealed up to 120 ppm TPH-G, 420 ppm TPH-D and 0.22 ppm benzene. The pre-purge water sample identified 150,000 ug/l TPH-G, 1.1E+06 ug/l TPH-D, and 1500 ug/l benzene, as well as elevated TEX.

Pit #1 was subsequently overexcavated to the final dimensions of 67 x 63 x 12' deep. Final sidewall samples showed a marked reduction in fuel compounds (See attached Table 6).

Pit #2

A single UST was removed from this pit on April 9, 1992. The tank and associated product lines reportedly appeared sound. Heavy product odor and staining were noted in pit sidewalls and piping trench.

As with pit #1, GW was reportedly encountered at the 8½ foot depth, and soil samples (2) were collected from the pit base. Three (3) additional sample were collected from the piping trench leading from the tank to the remote dispenser location. A water sample was also collected.

None of the pit bottom samples reportedly exhibited product odors, confirmed by "ND" sample results. However, trench samples were obviously contaminated, confirmed by laboratory results of up to 4800 ppm TPH-G and 18 ppm benzene, as well as elevated TEX concentrations. Total Pb appeared at geogenic concentrations. The water sample (2WS-1) revealed up to 11,000 ug/l TPH-G and 320 ug/l benzene, as well as elevated TEX,

Leaking Underground Fuel Storage Tank Program

The tank pit, including the area encompassing the piping trench, was overexcavated in several rounds from May 7 through May 22, 1992. Final pit dimensions measured 60 x 120 x 14' BG at its deepest. Final pit sidewall samples showed a marked reduction in fuel compounds (See attached Table 7).

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? \_\_\_\_\_

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? \_\_\_\_\_

Does corrective action protect public health for current land use? YES  
Site management requirements: NA

Should corrective action be reviewed if land use changes? YES

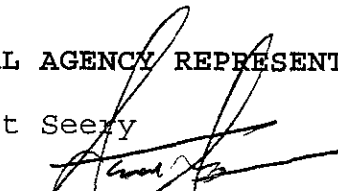
Monitoring wells Decommisioned: NA

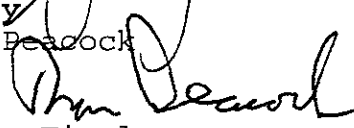
Number Decommisioned: NA

List enforcement actions taken: NONE

List enforcement actions rescinded: NA

V. LOCAL AGENCY REPRESENTATIVE DATA

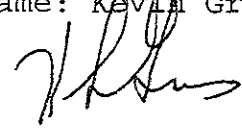
Name: Scott Seery Title: Sr. Haz Mat Specialist  
Signature:  Date: 3/27/97

Reviewed by  
Name: Tom Deacock Title: Supervising Haz Mat Specialist  
Signature:  Date: 3-27-97

Name: Kevin Tinsley Title: Haz Mat Specialist  
Signature:  Date: 3-25-97

VI. RWQCB NOTIFICATION

Date Submitted to RB: 3/27/97 RB Response:   
RWQCB Staff Name: Kevin Graves Title: San. Eng. Assoc. Date:

 4/21/97

Leaking Underground Fuel Storage Tank Program

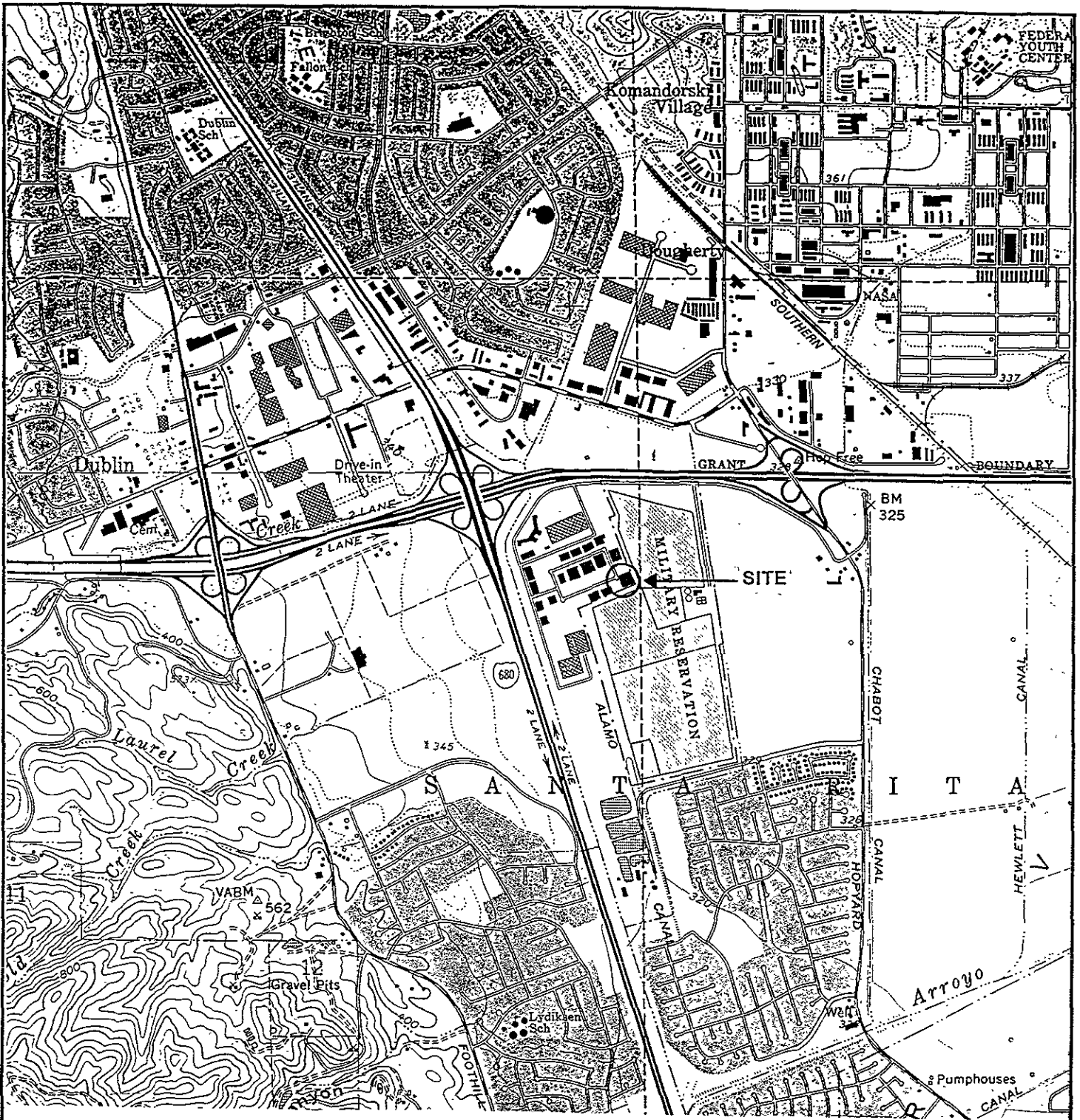
VII. ADDITIONAL COMMENTS, DATA, ETC.

Five Geoprobe soil borings were advanced about the two expanded tank pit areas to evaluate current GW and capillary zone soil conditions. Borings were continuously cored and logged. Two (2) soil samples and one water sample were collected from each borehole. Samples were analyzed for the presence of both diesel and gasoline constituents.

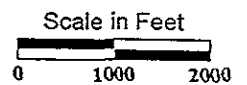
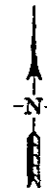
Encountered sediments are described as predominantly clay with silt and trace sand to the depth explored, 12' BG. A 2" lens of sandy silt was reportedly encountered in 3 of the borings between the 6 and 7' depth. GW was encountered at approximately 5½ - 6' BG.

No detectable fuel compounds were found in soil or GW samples.

No further assessment or cleanup are warranted based on the inherent low risk for human or ecological exposures.



Adapted from the U.S. Geological Survey 7.5 Minute Topographic Map of the Dublin Quadrangle, California. Photorevised 1980.



LEEWARD



consultants  
Environmental Services

Site Vicinity Map  
7043 COMMERCE CIRCLE  
Pleasanton, California

Project No.: 1020

Date: 7/23/96

Figure No.: 1

Rev. No.:

Rev. Date:



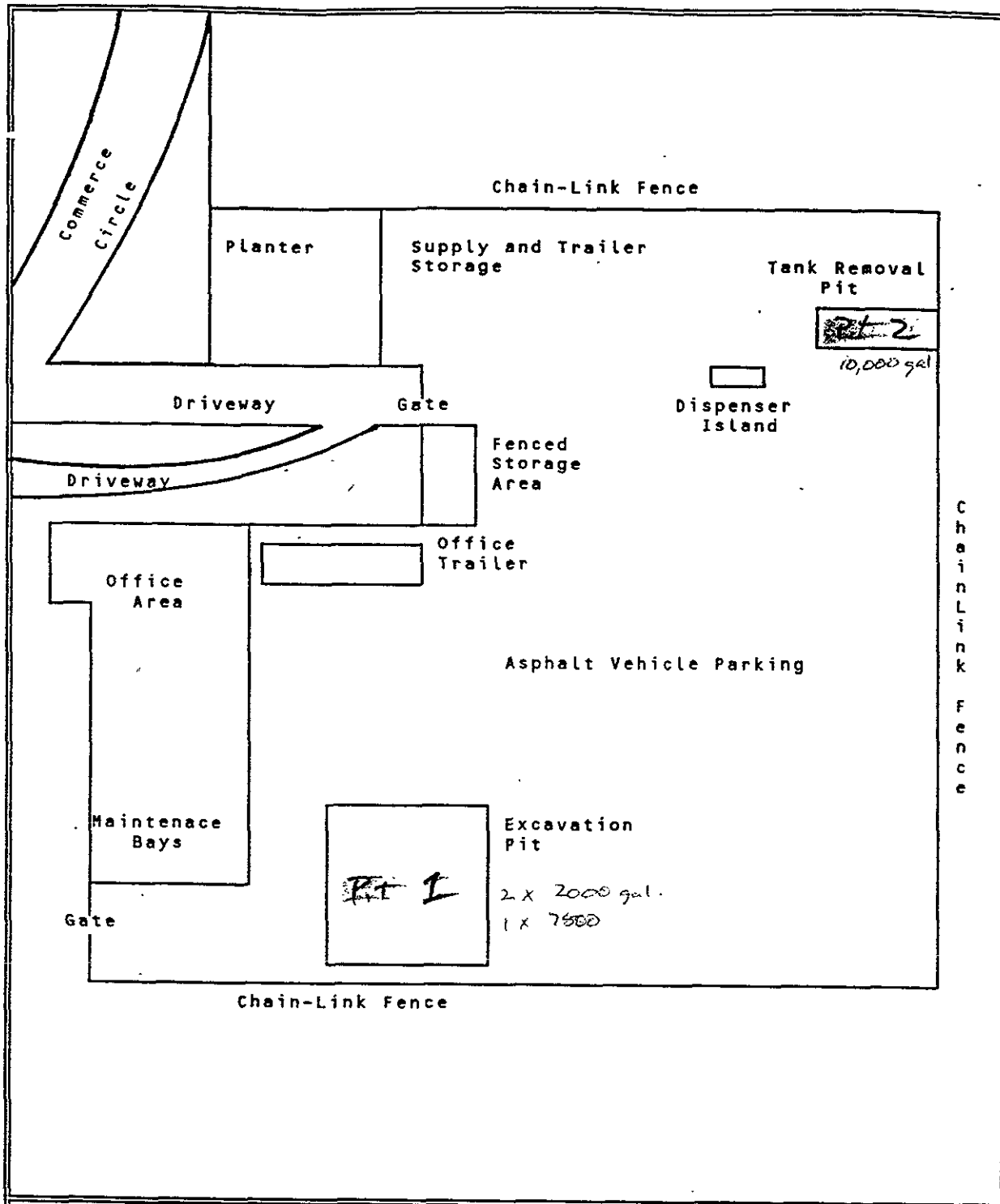
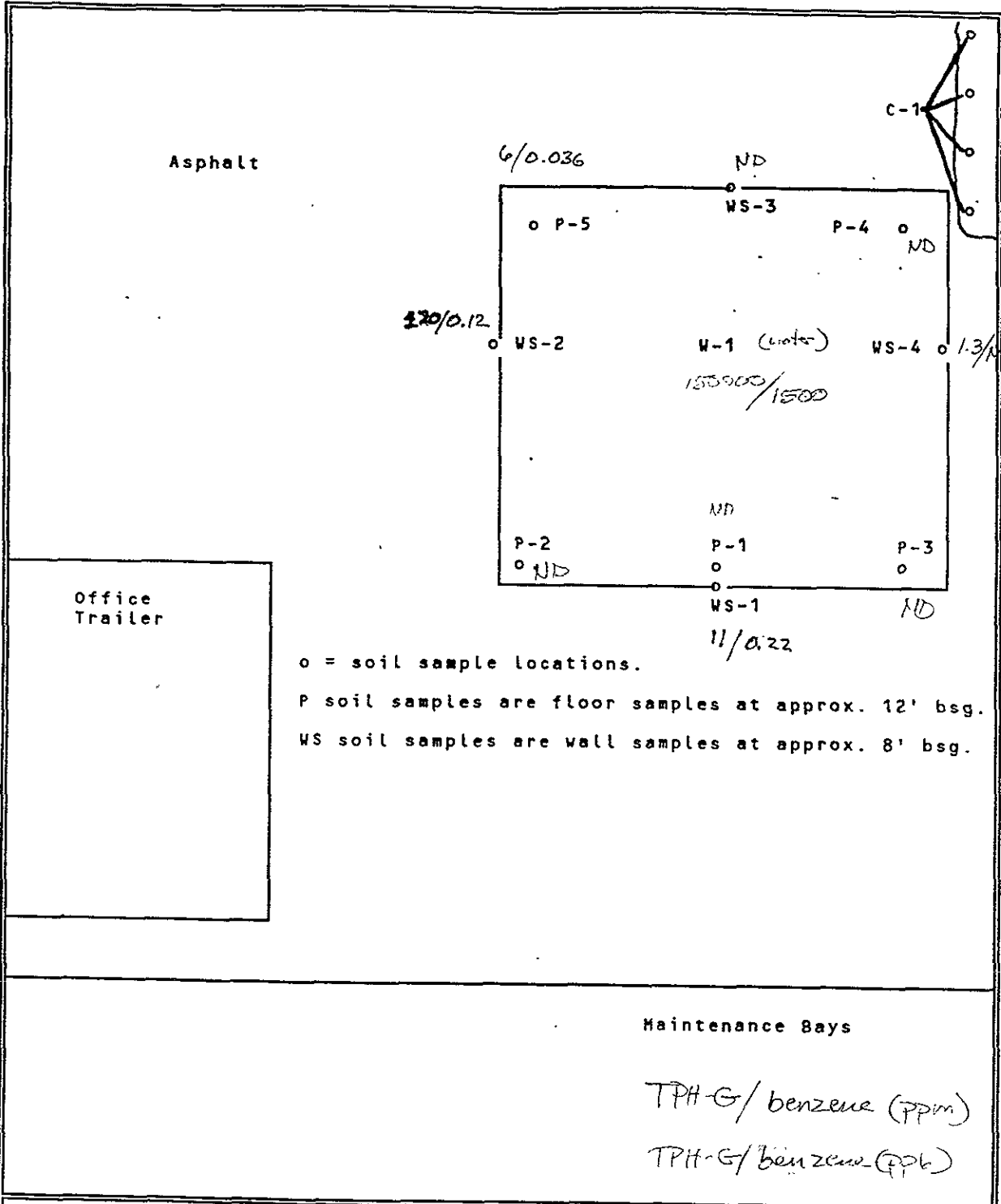


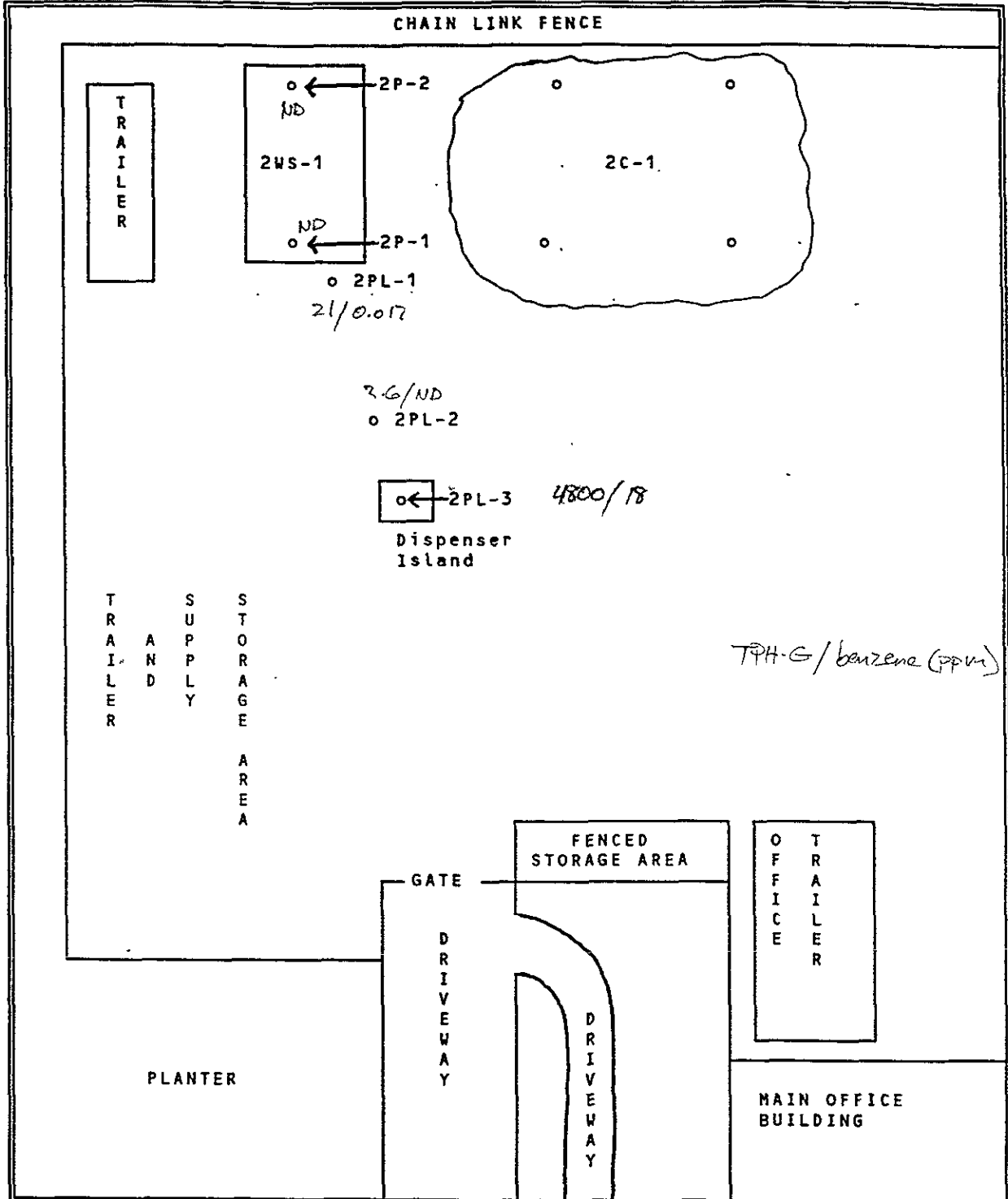
FIGURE 2: SITE CHARACTERIZATION MAP		APRIL 16, 1992
VALLEY CREST LANDSCAPING		APPLIED ENVIRONMENTAL SOLUTIONS INC.
SCALE: 1 inch = approx. 60 feet		Working towards a pollution free environment.
Marc R. Mullaney Staff Geologist		



o = soil sample locations.  
 P soil samples are floor samples at approx. 12' bsg.  
 WS soil samples are wall samples at approx. 8' bsg.

<b>FIGURE 3 - Sample Location Map, Tank Removal pit #1</b>		<b>Apr. 16, 1992</b>
<b>VALLEY CREST LANDSCAPING</b>	<b>APPLIED ENVIRONMENTAL SOLUTIONS INC.</b>	
Scale: 1" = approx. 22 feet	Working towards a pollution free environment.	
Marc R. Mullaney Staff Geologist		

soil  
water



**FIGURE 4: SAMPLING LOCATION MAP, TANK REMOVAL pit #2** April 16, 1992

VALLEY CREST LANDSCAPING	APPLIED ENVIRONMENTAL SOLUTIONS INC.
SCALE: one inch = approx. 30 feet	Working towards a pollution free environment.
Marc Mullaney Staff Geologist	

pit bottom

stockpile composite

pit sidewall

pit bottom

piping track

dispenser

stockpile composite

Sample Number	TPHg (ppm)	TPHd (ppm)	Benzene (ppb)	Toluene (ppb)	Ethyl-Benzene (ppb)	Total Xylenes (ppb)
Pit #1						
P-1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
P-2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
P-3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
P-4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
P-5	6.0	N.D.	36	100	170	900
C-1*	670	1600	140	2600	7200	71000
Pit #2						
WS-1	11	3.3	220	12	460	73
WS-2	120	420	120	130	980	380
WS-3	N.D.	1.4	N.D.	N.D.	N.D.	N.D.
WS-4	1.3	420	N.D.	6.0	11	38
2P-1	N.D.	N.A.	N.D.	N.D.	N.D.	N.D.
2P-2	N.D.	N.A.	N.D.	N.D.	N.D.	N.D.
2PL-1	21	N.A.	17	30	260	1900
2PL-2	2.6	N.A.	N.D.	N.D.	34	61
2PL-3	4800	N.A.	18000	170000	64000	710000
2C-1	930	N.A.	2000	22000	11000	100000
DETECTION LIMIT	1.0	1.0	5.0	5.0	5.0	5.0
METHOD OF ANALYSIS	5030/ 8015	3550/ 8015	8020	8020	8020	8020

ppm = parts per million (mg/kg)  
 ppb = parts per billion (ug/kg)  
 N.D. = Not Detected  
 N.A. = Not Analyzed

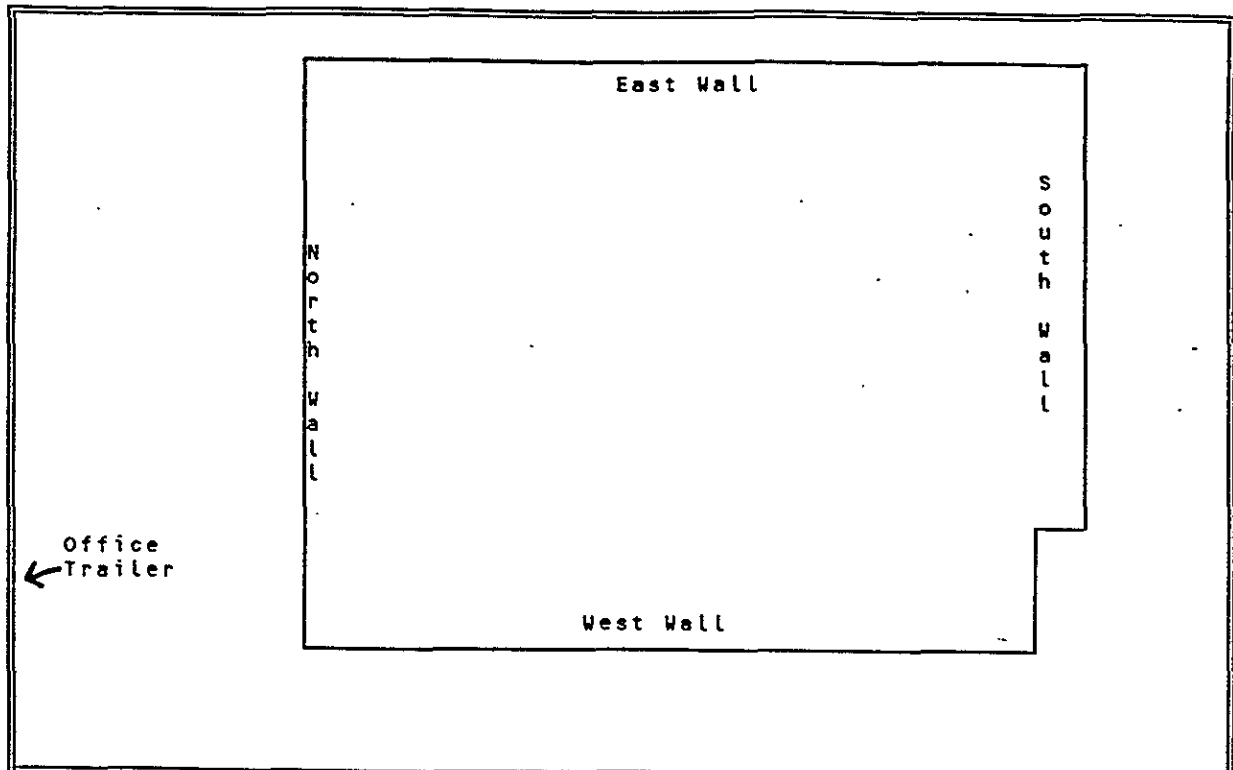
Table 1: Analytical Results for Soils - Tank Removal Pit #1 + 2 (TPHg, TPHd, & BTEX)

Sample Number	Total Lead (ppm)
Pit #2	
C-1*	2.0
P-1	2.8
P-2	N.D.
P-3	2.7
P-4	1.8
P-5	1.1
DETECTION LIMIT	0.5
METHOD OF ANALYSIS	6010
WS-1	N.D.
WS-2	N.D.
WS-3	N.D.
WS-4	N.D.
Pit #2	
2P-1	N.D.
2P-2	N.D.
2PL-1	4.29
2PL-2	4.30
2PL-3	6.7
2C-1*	N.D.
DETECTION LIMIT	2.5
METHOD OF ANALYSIS	3050/7420

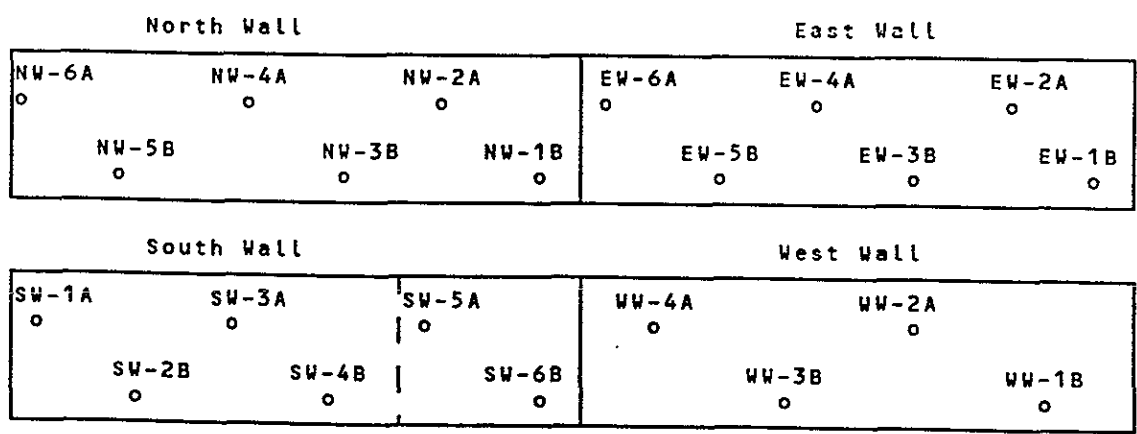
Table 2: Analytical Results Total Lead - Tank Removals

Sample Number	TPHg (ppb)	TPHd (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-Benzene (ppb)	Total Xylenes (ppb)
Pit #1						
W-1	150000	1100000	1500	3000	1800	14000
W-2	12000	36000	160	290	210	1400
Pit #2						
2WS-1	11000	N.A.	320	440	2.2	1800
DETECTION LIMIT	1.0	1.0	5.0	5.0	5.0	5.0
METHOD OF ANALYSIS	5030/ 8015	3550/ 8015	8020	8020	8020	8020
ppm = parts per million (mg/kg) ppb = parts per billion (ug/kg)						

Table 3: Analytical Results for Water - Tank Removals (TPHg, TPHd, & BTEX)



SIDEWALL SECTIONS



o = Sample Locations are approximately 10 feet apart

FINAL

FIGURE 5 - Sample Location Map, Excavation pit #1		Apr. 16, 1992
VALLEY CREST LANDSCAPING		APPLIED ENVIRONMENTAL SOLUTIONS INC.
Scale: 1" = approx. 22 feet		Working towards a pollution free environment.
Marc R. Mullaney Staff Geologist		



Sample Number	TPHg (ppm)	TPHd (ppm)	Benzene (ppb)	Toluene (ppb)	Ethyl-Benzene (ppb)	Total Xylenes (ppb)
EW-1B	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
EW-2A	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
EW-3B	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
EW-4A	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
EW-5B	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
EW-6A	N.D.	N.D.	N.D.	N.D.	N.D.	28
SW-1A	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
SW-2B	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
SW-3A	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
SW-4B	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
SW-5A	N.D.	N.D.	N.D.	N.D.	N.D.	70
SW-6B	N.D.	N.D.	N.D.	N.D.	N.D.	19
NW-1B	N.D.	1.3	N.D.	N.D.	N.D.	9.4
NW-2A	N.D.	1.4	8.8	N.D.	N.D.	19
NW-3B	N.D.	2.5	N.D.	N.D.	N.D.	42
NW-4A	N.D.	3.1	5.9	N.D.	N.D.	53
NW-5B	N.D.	3.8	N.D.	N.D.	N.D.	22
NW-6A	N.D.	1.8	N.D.	N.D.	N.D.	22
WW-1B	N.D.	N.D.	N.D.	N.D.	N.D.	9.6
WW-2A	N.D.	N.D.	N.D.	N.D.	N.D.	31
WW-3B	N.D.	17	N.D.	N.D.	5.4	20
WW-4A	N.D.	N.D.	N.D.	N.D.	N.D.	30
C-2*	860	62	720	9400	9100	60000
DETECTION LIMIT	1.0	1.0	5.0	5.0	5.0	5.0
METHOD OF ANALYSIS	5030/ 8015	3550/ 8015	8020	8020	8020	8020
ppm = parts per million (mg/kg) ppb = parts per billion (ug/kg) N.D. = Not Detected						

final  
sidewall  
samples

stock pile -

Table 6: Analytical Results for Soils - Excavation Pit #1 (TPHg, TPHd, & BTEX)





Sample Number	TPHg (ppm)	TPHd (ppm)	Benzene (ppb)	Toluene (ppb)	Ethyl-Benzene (ppb)	Total Xylenes (ppb)
3C-1*	58	N.A.	52	100	100	420
3PL-1	63	N.A.	41	44	90	230
3PL-2	N.D.	N.A.	N.D.	N.D.	N.D.	N.D.
3PL-3	480	N.A.	610	1100	2200	6600
3PL-4	N.D.	N.A.	N.D.	N.D.	N.D.	N.D.
3PL-5	N.D.	N.A.	N.D.	N.D.	N.D.	N.D.
S-1	8.3	N.D.	470	160	330	710
S-2	2.0	N.A.	35	100	100	370
S-3	24	N.D.	160	35	1300	1800
S-4	N.D.	N.A.	N.D.	N.D.	N.D.	N.D.
S-5	N.D.	N.A.	N.D.	N.D.	N.D.	N.D.
S-6	N.D.	N.A.	N.D.	N.D.	N.D.	N.D.
S-7	N.D.	N.A.	N.D.	N.D.	N.D.	N.D.
S-8	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
S-9	N.D.	N.A.	8.7	N.D.	N.D.	N.D.
S-10	N.D.	N.A.	N.D.	N.D.	N.D.	N.D.
S-11	N.D.	N.A.	N.D.	N.D.	N.D.	N.D.
S-12	26	N.A.	88	45	840	94
S-13	N.D.	N.A.	N.D.	N.D.	N.D.	N.D.
S-14	N.D.	N.A.	N.D.	N.D.	N.D.	N.D.
S-15	N.D.	N.A.	N.D.	N.D.	N.D.	N.D.
S-16	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
S-17	N.D.	N.A.	N.D.	N.D.	N.D.	N.D.
S-18	N.D.	N.A.	N.D.	N.D.	N.D.	N.D.
DETECTION LIMIT	1.0	1.0	5.0	5.0	5.0	5.0
METHOD OF ANALYSIS	5030/ 8015	3550/ 8015	8020	8020	8020	8020
ppm = parts per million (mg/kg) ppb = parts per billion (ug/kg) N.D. = Not Detected N.A. = Not Analyzed						

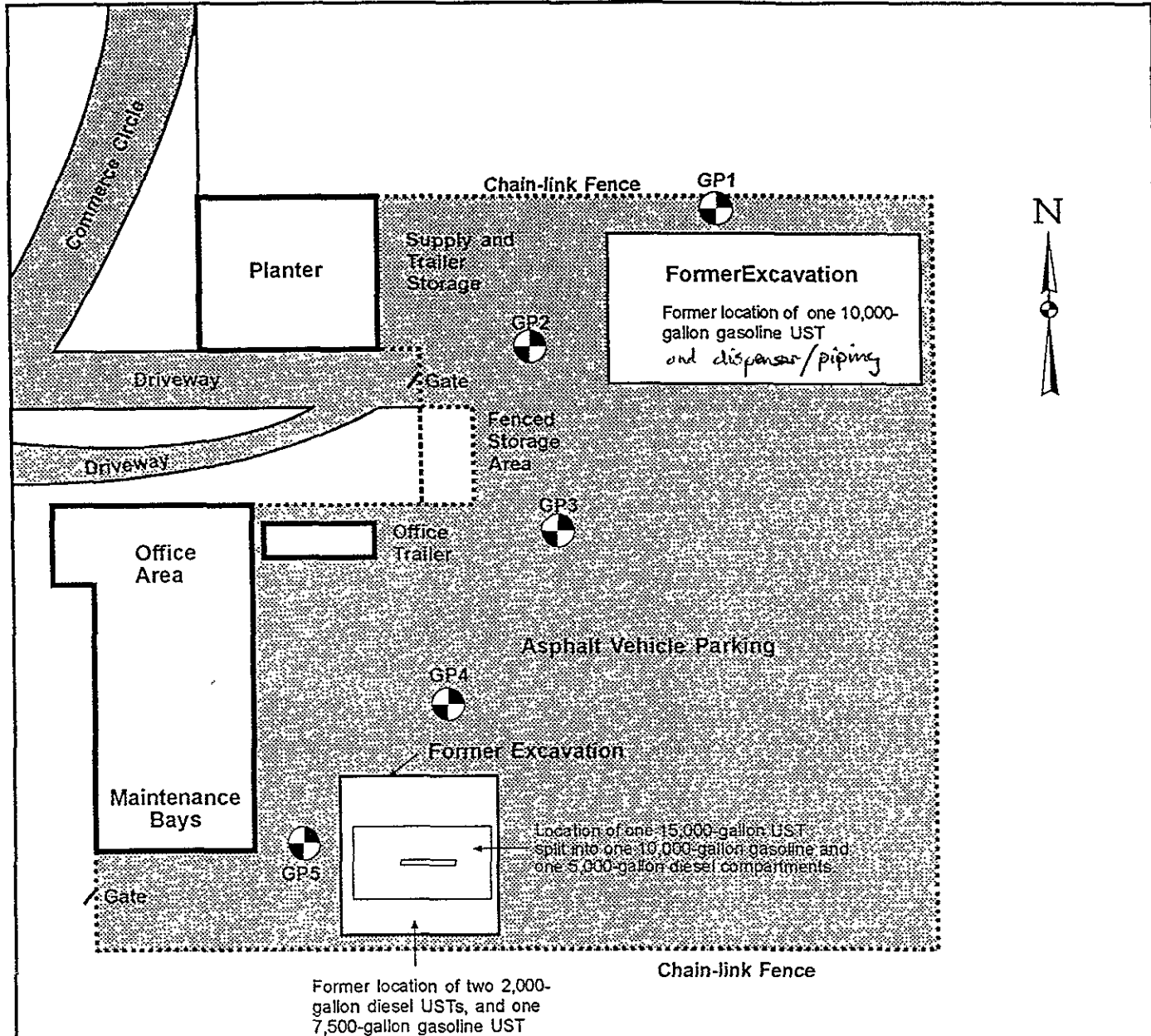
stockpile  
 sidewalk samples or trench samples (prelim.)  
 final sidewalk samples -

Table 7: Analytical Results for Soils - Excavation Pit #2 (TPHg, TPHd, & BTEX)


1996

Geoprobe

Investigation



**KEY:**

 = Geoprobe Boring  
 GP1

**NOTE:**

1. Site map originally prepared by AES, and adapted by Leeward Consultants
2. Site map is not to scale



**LEEWARD**  
 consultants  
 Environmental  
 Services

916 678-4253 fax 916 678-1988

**Site Plan**  
 Valley Crest Landscaping  
 Pleasanton, California

Project No.: 1020  
 Date: 9/96  
 Figure No.: 2  
 Rev. No.:  
 Rev. Date:

**TABLE 1**  
**SUMMARY OF ANALYTICAL RESULTS FOR SOIL SAMPLE**  
 Reported in milligrams per kilogram (mg/kg)

SAMPLE DATA			EPA 8015 MODIFIED Total Petroleum Hydrocarbons		EPA METHOD 8020 Purgeable Aromatics			
Sample Designation	Date Sampled	Sample Depth	Gasoline	Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes
GP1-6	08/27/96	6	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005
GP1-11.5	08/27/96	11.5	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005
GP2-7.5	08/27/96	7.5	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005
GP2-11.5	08/27/96	11.5	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005
GP3-5.5	08/27/96	5.5	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005
GP3-11	08/27/96	11	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005
GP4-7	08/27/96	7	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005
GP4-11.5	08/27/96	11.5	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005
GP5-6	08/27/96	6	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005
GP5-11.5	08/27/96	11.5	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005

Projects\Environ\ Pleasant\1020T1&2.doc

**TABLE 2**  
**SUMMARY OF ANALYTICAL RESULTS FOR WATER SAMPLES**  
 Reported in micrograms per liter (ug/l)

SAMPLE DATA		EPA 8015 MODIFIED Total Petroleum Hydrocarbons		EPA METHOD 602 Purgeable Aromatics			
Sample Designation	Date Sampled	Gasoline	Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes
GP1	08/27/96	<50	<50	<0.5	<0.5	<0.5	<0.5
GP2	08/27/96	<50	<50	<0.5	<0.5	<0.5	<0.5
GP3	08/27/96	<50	<50	<0.5	<0.5	<0.5	<0.5
GP4	08/27/96	<50	<50	<0.5	<0.5	<0.5	<0.5
GP5	08/27/96	<50	<50	<0.5	<0.5	<0.5	<0.5

Projects\Environ\ Pleasant\1020T1&2.doc

**APPENDIX D**  
**SOIL BORING LOGS**



**LEEWARD**  
consultants  
Dixon, California

# Borehole Log

Borehole Number GP1

Date Started August 27, 1996 Date Completed August 27, 1996 Sheet 1 of 1

Time Started 0745 Time Stopped 0835

Project Name 7043 Commerce Circle  
Project Number 1020 Field Personnel Richard Premzic  
Site Location Pleasanton

## Well Construction

PVC Schedule \_\_\_\_\_ PVC Diameter \_\_\_\_\_ Screen Size \_\_\_\_\_  
Filter Pack Material \_\_\_\_\_  
Seal Material \_\_\_\_\_

Drilling Company Vironex Drill Rig Geoprobe  
Driller's Name Chuck Auger Size 1" O.D.

Depth to Water during Drilling 6 feet  
Static Depth to Water after Drilling 6 feet

Depth Feet	Blow Count	Sample ID	DVA ppw	Time	Well PVC	Annulus	USCS	Depth Feet	Material Description
									Two-inch ASPHALT CONCRETE
							CL		DARK GRAY-BROWN CLAY moist, firm  dark gray - stiff
							ML		Four-inch DARK GRAY CLAYEY SILT very moist, soft
							CL		DARK GRAY CLAY moist, stiff  gray
5		GP1-4.5	0	0751				▽	wet, soft, increased silt
		GP1-6	2	0804					
10									dark brown-gray, firm, moist, white veining
		GP1-11.5	2.1	0833					
15									
20									
									Total Depth 12 feet. Ground water encountered at 6 feet below grade. Boring backfilled with a cement grout. Boring was continuously cored.







**LEEWARD**  
consultants  
Dixon, California

# Borehole Log

Borehole Number GP3

Date Started August 27, 1996 Date Completed August 27, 1996 Sheet 1 of 1  
Time Started 0939 Time Stopped 0954

Project Name 7043 Commerce Circle  
Project Number 1020 Field Personnel Richard Premzic  
Site Location Pleasanton

## Well Construction

PVC Schedule \_\_\_\_\_ PVC Diameter \_\_\_\_\_ Screen Size \_\_\_\_\_  
Filter Pack Material \_\_\_\_\_  
Seal Material \_\_\_\_\_

Drilling Company Vironex Drill Rig Geoprobe  
Driller's Name Chuck Auger Size 1" O.D.

Depth to Water during Drilling 5.5 feet  
Static Depth to Water after Drilling 5.5 feet

Depth Feet	Blow Count	Sample ID	DVA ppm	Time	Well PVC	Annulus	USCS	Depth Feet	Material Description
									Two-inch ASPHALT CONCRETE
							ML		DARK BROWN CLAYEY SILT slightly moist, firm
							CL		DARK GRAY SILTY CLAY moist, firm  less silt  soft, increased fine sand
5		GP-5.5	0.5	0947					
							ML		Two-inch LIGHT BROWN-GRAY SANDY SILT wet, soft, very fine sand
							CL		LIGHT GRAY SILTY CLAY wet, soft, trace white veining  firm, less silt, dark gray with white veining  moist, stiff
10		GP-11	0.3	0954					
									Total Depth 12 feet. Ground water encountered at 5.5 feet below grade. Boring backfilled with a cement grout. Boring was continuously cored.
15									
20									



**LEEWARD**  
consultants  
Dixon, California

# Borehole Log

Borehole Number GP4

Date Started August 27, 1996 Date Completed August 27, 1996 Sheet 1 of 1  
Time Started 1023 Time Stopped 1040

Project Name 7043 Commerce Circle  
Project Number 1020 Field Personnel Richard Premzic  
Site Location Pleasanton

## Well Construction

PVC Schedule \_\_\_\_\_ PVC Diameter \_\_\_\_\_ Screen Size \_\_\_\_\_  
Filter Pack Material \_\_\_\_\_  
Seal Material \_\_\_\_\_

Drilling Company Vironex Drill Rig Geoprobe  
Driller's Name Chuck Auger Size 1" O.D.

Depth to Water during Drilling 5.5 feet  
Static Depth to Water after Drilling 5.5 feet

Depth Feet	Blow Count	Sample ID	DVA ppm	Time	Well PVC	Annulus	USCS	Depth Feet	Material Description
									Two-inch ASPHALT CONCRETE
							CL		DARK BROWN SILTY CLAY slightly moist, stiff  dark gray  firm  white veining  very moist, increased silt
5									
		GP4-7	2.3	1031			ML		Two-inch LIGHT BROWN-GRAY SANDY SILT wet, soft
							CL		LIGHT GRAY SILTY CLAY wet, soft  less silt  dark gray  trace white veining
10									
		GP4-11.5	2.1	1040					
									Total Depth 12 feet. Ground water encountered at 5.5 feet below grade. Boring backfilled with a cement grout. Boring was continuously cored.
15									
20									



**LEEWARD**  
consultants  
Dixon, California

# Borehole Log

Borehole Number GP5

Date Started August 27, 1996 Date Completed August 27, 1996 Sheet 1 of 1  
Time Started 1107 Time Stopped 1130

Project Name 7043 Commerce Circle  
Project Number 1020 Field Personnel Richard Premzic  
Site Location Pleasanton

## Well Construction

PVC Schedule \_\_\_\_\_ PVC Diameter \_\_\_\_\_ Screen Size \_\_\_\_\_  
Filter Pack Material \_\_\_\_\_  
Seal Material \_\_\_\_\_

Drilling Company Vironex Drill Rig Geoprobe  
Driller's Name Chuck Auger Size 1" O.D.

Depth to Water during Drilling 5.5 feet  
Static Depth to Water after Drilling 5.5 feet

Depth Feet	Blow Count	Sample ID	DVA ppm	Time	Well PVC	Annulus	USCS	Depth Feet	Material Description
------------	------------	-----------	---------	------	----------	---------	------	------------	----------------------

									Two-inch ASPHALT CONCRETE
							CL		DARK BROWN SILTY CLAY slightly moist, stiff  dark gray, moist  light gray
5									
							ML		Two-inch GRAY SANDY SILT wet, soft
							CL		GRAY CLAY
		GP5-6	0	1125			ML		wet, stiff
									Two-inch GRAY SILTY CLAY- wet
							CL		GRAY SILTY CLAY wet, soft, trace very fine sand
10									less silt
									dark gray
		GP5-11.5	0	1130					moist
15									
20									
									Total Depth 12 feet. Ground water encountered at 5.5 feet below grade. Boring backfilled with a cement grout. Boring was continuously cored.