

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY

DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, Assistant Agency Director

October 24, 1994

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Division
80 Swan Way, Rm. 200
Oakland, CA 94621
(510) 271-4320

Mr. Andrew I. Sriro
Gorelick & Bowman
1443 Danville Boulevard
Alamo, CA 94507

RE: 2728 CASTRO VALLEY BOULEVARD, CASTRO VALLEY

Dear Mr. Sriro:

I am in receipt of the January 8, 1992 SCS Engineers report documenting the analyses of ambient air collected during December 1991 from an undisclosed area within the flower shop occupying the subject site. I am also in receipt of select data collected by CET Environmental Services, Inc. during August 1994 which documents the advancement of several soil borings at the subject site. This work included the collection and analyses of soil samples, grab water samples, and the conversion of one such boring into a ground water monitoring well with subsequent sampling of encountered ground water. The referenced reports were submitted under Gorelick & Bowman covers dated October 7 and 10, 1994.

SCS reports that an air sample was collected December 20, 1991 using a universal sample pump and charcoal sorbent sample tube. This sample was reportedly submitted to SCS Analytical Laboratory under chain-of-custody and analyzed for the presence of specific gasoline compounds using EPA Methods 8020 and 8015.

Following conversion of the raw laboratory data to account for the volume of air drawn through the sampling pump, low concentrations of gasoline-range hydrocarbons, benzene, toluene and xylene isomers were detected. Benzene, the primary chemical of concern (COC), was calculated at a concentration of 0.14 parts per billion (ppb). For comparison, the Federal OSHA Permissible Exposure Limit (PEL) for exposure to benzene in the workplace is a conservative 1 part per million (ppm), averaged over an 8 hour period (Time Weighted Average, or TWA).

Based solely on the information submitted in the referenced SCS report, air sampled from within the flower shop appears to be several orders-of-magnitude below the legal, safe exposure limit for the primary COC, benzene.

Review of the referenced August 1994 CET data indicates that no detectable gasoline compounds were detected in either sampled soil or ground water. Therefore, based solely on the submitted CET data, it appears that the subject site has not been adversely impacted by the release at the adjoining former Shell Oil Company

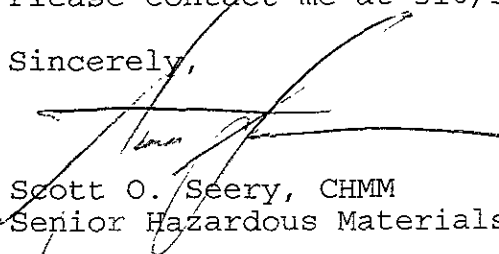
Mr. Sriro
RE: 2728 Castro Valley Blvd. (2724 Castro Valley Blvd.)
October 24, 1994
Page 2 of 2

service station, 2724 Castro Valley Boulevard. Furthermore, in review of data generated during the course of the remediation and sampling effort at the cited Shell site, residual impact to soil and ground water underlying the former service station site appears minor and limited in extent.

You may destroy the CET well at the subject property. By way of copy of this letter, I am informing the Alameda County Water Conservation and Flood Control District, Zone 7, of this request.

Please contact me at 510/567-6783 should you have any questions.

Sincerely,



Scott O. Seery, CHMM
Senior Hazardous Materials Specialist

cc: Rafat A. Shahid, Agency Director
Rob Weston, ACDEH
Wyman Hong, Zone 7
Lynn Walker, Shell Oil Company

Wyman Hong
484-2600 x 235

Zone 7

10/17

Review LK. Chabot Shell case file.
Contact Zone 7 (W. Hong) if it appears
site is "clean" so that less expensive
boring abandonment may occur.

write letter
"OKing" destruction

October 10, 1994

Scott Seery
Department of Environmental Health
Hazardous Material Division
1131 Harbor Bay Blvd.
Alameda, California 94502

Dear Mr. Seery:

Please accept this letter as a correction to my previous letter of October 7, 1994. In my previous letter, I erroneously stated that the level of Benzene found in the air samples was .48 ppb. Actually, as can be seen in Table 1 of the SCS Engineers' report, gasoline was found at .48 ppb; Benzene was found at .14 ppb; Toluene was found at .02 ppb; and Xylene was found at 0.16 ppb. I apologize for any confusion which might have been caused as a result of my error. Thank you for your time and consideration.

Very truly yours,

GORELICK & BOWMAN



Andrew Ian Sriro

AIS:ew
cc: Client

October 7, 1994

Mr. Scott Seery
County of Alameda Environmental Health/Haz-Mat
1131 Harbor Bay Parkway, Room 250
Alameda, California 94502-6577

RE: 2728 Castro Valley Blvd.
Shell Environmental Cleanup Site

Dear Mr. Seery:

As per our most recent conversation, I have enclosed the technical reports relating to the borings done on Mr. Angel's property. As you can see, all of the results came back "non-detect". We are currently attempting to close the one well which was installed along Mr. Angel's property line. However, according to CET, there seems to have been a change in the operating regulations relating to removal of wells by pressure grouting. According to CET, Wyman Hong of the Alameda Flood Control District Zone 7, telephone (510) 484-2600, ext. 235, requires a letter from your office indicating that your office does not object to pressure grouting as a means for closing the well. Otherwise, according to CET, it will cost Mr. Angel an additional \$1,000 to remove the well, or Mr. Angel can await site closure which, according to CET, will be required in order to pressure-grout it at no additional expense to Mr. Angel.

Thus, if you would be so kind as to write a short note to Mr. Hong, Mr. Angel and I would greatly appreciate it. Also, please find attached to this letter a copy of the ambient air sampling report which I had previously indicated found .48 ppb Benzene, with the conclusion that such finding was transient.

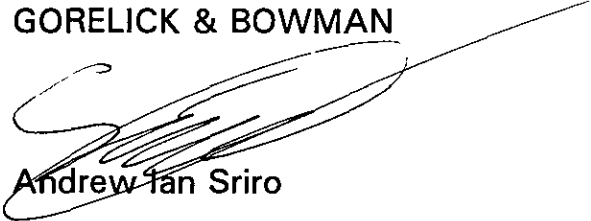
If for some reason the well can't be removed, we would appreciate it if your office could direct Shell to assume monitoring of it and responsibility for its abandonment on site closure.

Mr. Scott Seery
October 7, 1994
Page 2

Thank you very much for your kind attention. Please feel free to give me a call if I can be of any assistance.

Very truly yours,

GORELICK & BOWMAN



Andrew Ian Siro

AIS:ew
cc: Client

SCS ENGINEERS

January 8, 1992
File No. 0391017.01

Mr. Richard Schoenberger
Walkup, Shelby, Bastian, Melodia,
Kelly, Echeverria & Link
650 California Street, 30th Floor
San Francisco, California 94108

Subject: Air Monitoring Inspection for Property Located at 2728 Castro Valley
Boulevard, Castro Valley, California

Dear Mr. Schoenberger:

During the week of December 16th, 1991, SCS Engineers conducted an air monitoring inspection and sampling of a portion of the property located at 2728 Castro Valley Boulevard. The purpose of this inspection was to note and collect vapor samples from previously detected areas for lab analysis.

Adjacent to the subject site to the west is a former Shell gas station which previously underwent remediation after underground tanks on the property were shown to have leaked. Contaminated soil related to the underground leaks was removed up to the property line between Shell and the subject site. Groundwater monitoring wells were installed upgradient of both Shell and the subject site to the east. These wells showed no indication of groundwater contamination upgradient and to the east. Significant "hydrocarbon" odors had often been noted in the restroom of the subject site, however, during the week of this investigation the odors were significantly diminished in strength.

Vapor samples were collected utilizing a universal sample pump and a charcoal sorbent sample tube. The pump was run for two hours with an air intake flow of three liters per



Mr. Richard Schoenberger
January 8, 1992
Page Two

minute. At the completion of sampling the charcoal sample tube was sealed with tight fitting end caps, labeled with a sample tag and placed in an ice-chest along with chain-of-custody documentation.

The sample was analyzed at the SCS Analytical Laboratory in Long Beach, California. The sample was analyzed for aromatic volatile organics using EPA Method 8020, and Purgeable Non-Halogenated Volatiles using EPA Method 8015. Analytical results and chain-of-custody documentation are attached. It should be noted that in order to calculate the concentrations detected in the sample the following formula was utilized.

$$v=(r)(t)$$

where: v= the volume of air pulled through the pump
r= the rate at which air was pulled through the pump
t= the amount of time that the pump ran

$$360 \text{ l}=(3 \text{ l/m})(120 \text{ m})$$

The concentrations detected were then divided by the volume of air pulled through the pump. For example:

$$\frac{\text{gasoline} - 175 \text{ ug}}{360 \text{ l}} = .48 \text{ ug/l (ppb)}$$

A summary of the analytical results is presented in Table 1. As shown above gasoline was detected at 0.48 ppb (parts per billion). Benzene, Toluene, and Xylene were detected at 0.14 ppb, 0.02 ppb, and 0.016 ppb respectively.

TABLE 1. SUMMARY OF EPA 8015/8020 ANALYSIS FROM VAPOR SAMPLE
COLLECTED DECEMBER 20, 1991, 2728 CASTRO VALLEY BOULEVARD,
CASTRO VALLEY

Sample #	Gasoline	Benzene	Toluene	Xylene
S-4	0.48	0.14	0.02	0.016

Based on analytical data, it appears that hydrocarbon vapors are present within at least a portion of the subject site, probably using subsurface plumbing as a conduit into the building. Though the samples collected were of relatively low concentrations, the fact that odors were not at their most notable and that any hydrocarbon vapors were detected at all is reason to estimate that subsurface contamination associated with the adjacent former underground storage tank still exists in some form. A likely source of the contamination could be remaining soil contamination along the western edge of the subject site. Contaminated soil was removed only up to the property line, it is likely that migration of hydrocarbon contaminants onto the subject site occurred during the original subsurface leaking and still exists along the property line.

SCS recommends that a soils investigation be conducted along the western property line of the subject site in order to determine if subsurface hydrocarbon contamination still exists relative to the adjacent Shell site and if this could be the source of the hydrocarbon vapors detected within the subject site building.

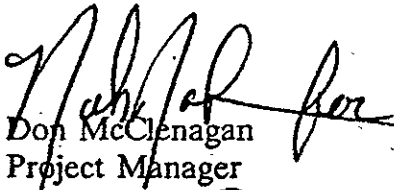
Mr. Richard Schoenberger
January 8, 1992
Page Four

Should you have any questions regarding this project, please feel free to contact any of the undersigned.

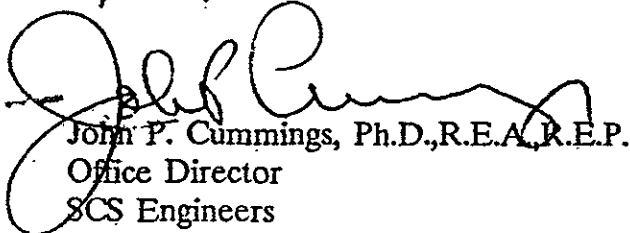
Sincerely,



Terri Plunkett
Geologist



Don McClenagan
Project Manager



John P. Cummings, Ph.D., R.E.A., R.E.P.
Office Director
SCS Engineers

TJP/tjp

Attachments

JAN 8 1992



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA
(310) 595-9324
FAX (310) 595-6709

MEMO

TO: Terri Plunkett

FROM: Lam V. Ho

January 3, 1992

JOB NO.: 0391017.01

Page 1 of 2

LABORATORY REPORT

Sample: One (1) charcoal sample from Angel/Castro Valley Florist, received 12/27/91 and analyzed 01/03/92.

Sample ID	EPA 8015 <u>µg</u>
S-4	175
Detection Limit	10

Loree Kenyon
Loree R. Kenyon
Chemist

Lam V. Ho
Lam V. Ho PhD, REP
Laboratory Director

Addendum Report, EPA 8020
Page 2 of 2

Sample I.D.: S-4
Date Received: 12/27/91
Date Analyzed: 01/03/92
Matrix: Charcoal
Project #: 0391017.01
File #: angell.rep

Compound	Result μg (ppb)	D.L.
Benzene	50	5
Chlorobenzene	ND	5
Ethylbenzene	ND	5
Toluene	8	5
Xylenes	6	5
1,2-Dichlorobenzene	ND	5
1,3-Dichlorobenzene	ND	5
1,4-Dichlorobenzene	ND	5

D.L. = Detection Limit
ND = Not Detected

CHAIN OF CUSTODY RECORD REQUEST FOR ANALYSIS

Original Rep
Lab 12/27/91 007757



COMPANY NAME: SCS Engineers CARRIER: _____
 ADDRESS: 12761-D Sierra Court, Dublin SHIPMENT DATE: 12/23/91
 PHONE NUMBER: 510-823-0661 SHIPPING NUMBER: _____
 P.O. NUMBER: _____ NUMBER OF SAMPLES: 1 PAGE 1 OF 1

TURNAROUND TIME REQUIRED:
 NORMAL
 5-DAY
 24-HOUR
 3-DAY
 IMMEDIATE ATTENTION

PROJECT NAME: Angem / Castro Valley Forest
 PROJECT ADDRESS: 0728 Castro Valley Blvd, Castro Valley, CA
 PROJECT NUMBER: 0-9107-01
 SAMPLER NAME AND SIGNATURE: [Signature]
 REPORTS TO BE SENT TO: _____

ANALYSES REQUIRED										LAB ONLY	
											SAMPLE CONDITION UPON RECEIPT <u>cool</u>

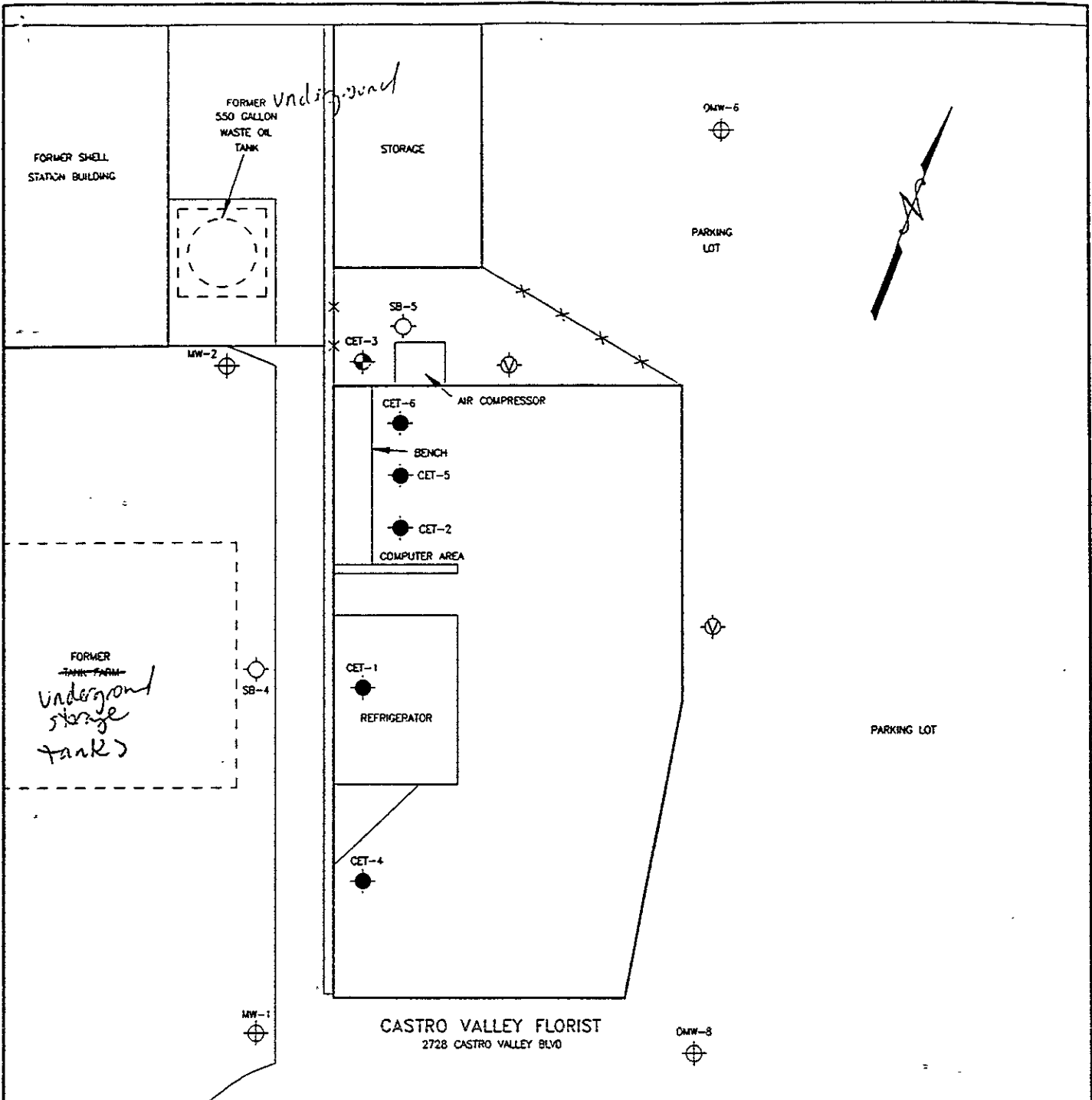
57-0
5-11

SAMPLE ID. NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	SAMPLE PRESERVATIVE(S)	CONTAINER SIZE / TYPE	DATE / TIME COLLECTED	FIELD TEMP.	FIELD pH	FIELD EC	SPECIAL PROGRAM REQUIREMENTS OR EPA - SOP & QAM REF
<u>S-4</u>	<u>Chloroal</u>	<u>none</u>	<u>glass</u>	<u>12/20/91</u>	<u>12-23</u>				

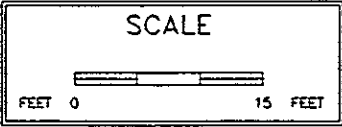
SPECIAL INSTRUCTIONS / COMMENTS: _____

RELINQUISHED BY: (Signature) [Signature] DATE: 12/20/91 RECEIVED BY: (Signature) [Signature]
 COMPANY: SCS Engineers TIME: 12-27-91 COMPANY: _____

8:41a



← CASTRO VALLEY BOULEVARD →



LOCATIONS AND SCALES OF BUILDING FEATURES ARE APPROXIMATE.
MONITORING WELLS AND SOIL BORING LOCATIONS ARE APPROXIMATE.

LEGEND	
	FORMER SHELL GROUNDWATER MONITORING WELL
	FORMER SHELL SOIL BORING
	GROUNDWATER MONITORING WELL (INSTALLED 08/94)
	SOIL BORING (INSTALLED 08/94)
	ABANDONED VAPOR MONITORING WELL (CLOSED BY CET 08/94)



CET Environmental Services, Inc.

DRILLING LOCATION PLAN					PLATE
CASTRO VALLEY FLORIST					
2728 CASTRO VALLEY BOULEVARD CASTRO VALLEY, CALIFORNIA					
JOB NUMBER	DATE	DRAWING	BY	REVISED	
3627	09/94	3627PLAN	RASCHKE	09/20	



ATTACHMENT B

Drilling Permit from Alameda County Flood Control District - Zone 7



ZONE 7 WATER AGENCY

5997 PARKSIDE DRIVE

PLEASANTON, CALIFORNIA 94588

VOICE (510) 484-2600

FAX (510) 452-3914

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Castro Valley Florist
2728 Castro Valley Blvd.
Castro Valley, CA

PERMIT NUMBER 94468

LOCATION NUMBER _____

CLIENT

Name Mr. Jim Angel
Address 2728 Castro Val. Blvd Phone 510-351-7740
City Castro Valley, CA Zip 94546

PERMIT CONDITIONS

Circled Permit Requirements Apply

APPLICANT

Name Matthew A. Raschke
CET Enviro. Services Phone 510-652-7002
Address 5845 Doyle St. #10 Phone 510-652-7001
City Emeryville, CA Zip 94608

A. GENERAL

1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well Projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER WELLS, INCLUDING PIEZOMETERS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 30 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

C. GEOTECHNICAL Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremie cement grout shall be used in place of compacted cuttings.

D. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

E. WELL DESTRUCTION. See attached.

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection	_____	General	_____
Water Supply	_____	Contamination	<u>X</u>
Monitoring	<u>X</u>	Well Destruction	_____

PROPOSED WATER SUPPLY WELL USE

Domestic	_____	Industrial	_____	Other	_____
Municipal	_____	Irrigation	_____		

DRILLING METHOD:

Mud Rotary	_____	Air Rotary	_____	Auger	<u>X</u>
Cable	_____	Other	_____		

DRILLER'S LICENSE NO. 374162

WELL PROJECTS

Drill Hole Diameter	<u>4</u> in.	Maximum	
Casing Diameter	<u>2</u> in.	Depth	<u>25</u> ft.
Surface Seal Depth	<u>5</u> ft.	Number	<u>2</u>

GEOTECHNICAL PROJECTS

Number of Borings	<u>2</u>	Maximum	
Hole Diameter	<u>4</u> in.	Depth	<u>25</u> ft.

ESTIMATED STARTING DATE 8/14/94
ESTIMATED COMPLETION DATE 8/15/94

Approved

Wymon Hong
Wymon Hong

Date 12 Aug 94

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE Matthew A Raschke Date 8/9/94



ATTACHMENT C

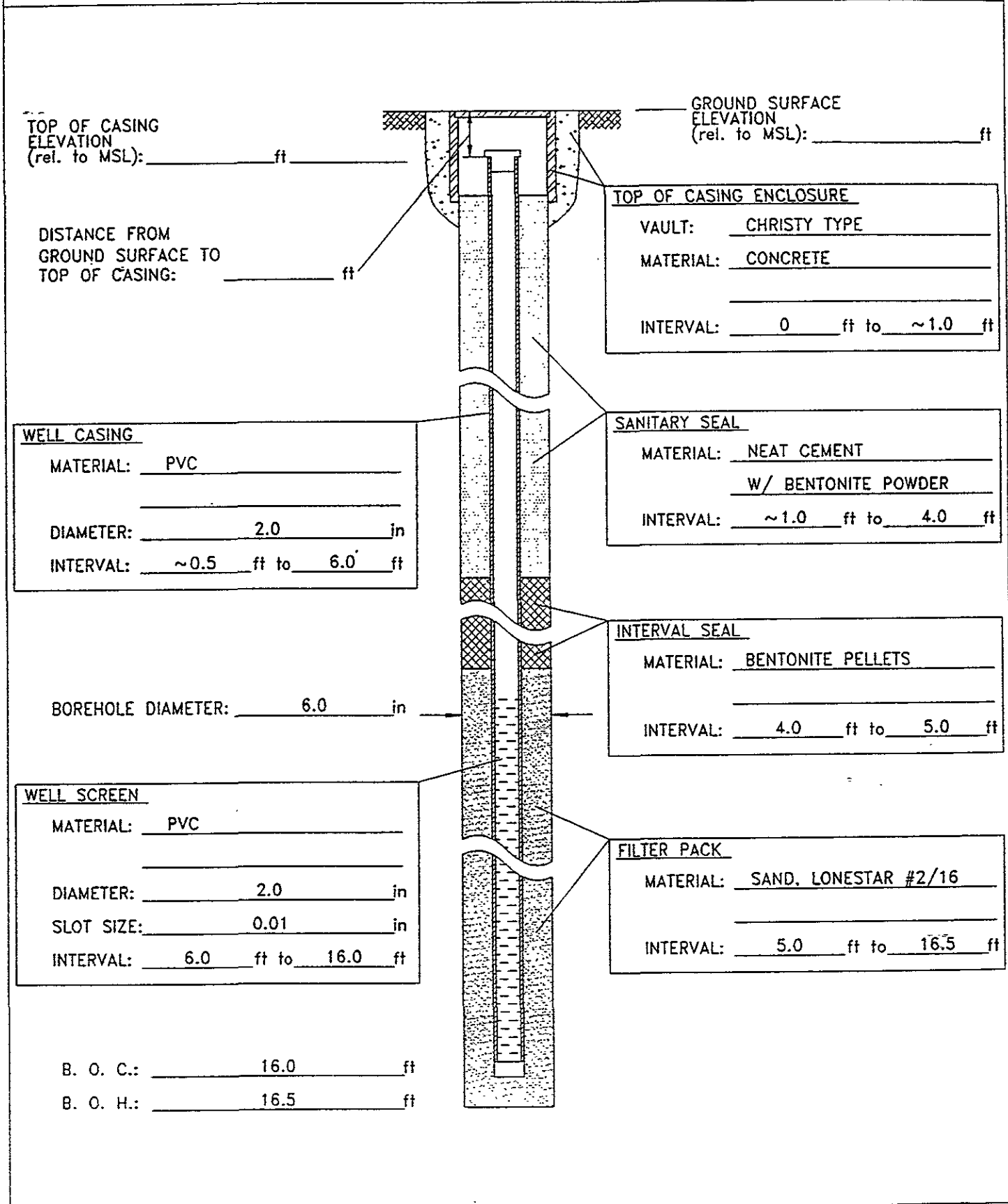
Well Construction Detail and Borehole Logs



CET Environmental Services, Inc.
 5845 Doyle Street, Suite 104
 Emeryville, CA 94608
 (510) 652-7001

WELL CONSTRUCTION DIAGRAM

PROJECT NAME: CASTRO VALLEY FLORIST	PROJECT NUMBER: 3627-100	WELL ID: CET3
PROJECT LOCATION: 2728 CASTRO VALLEY FLORIST, CASTRO VALLEY, CALIFORNIA	DATE INSTALLED: 08/22/94	

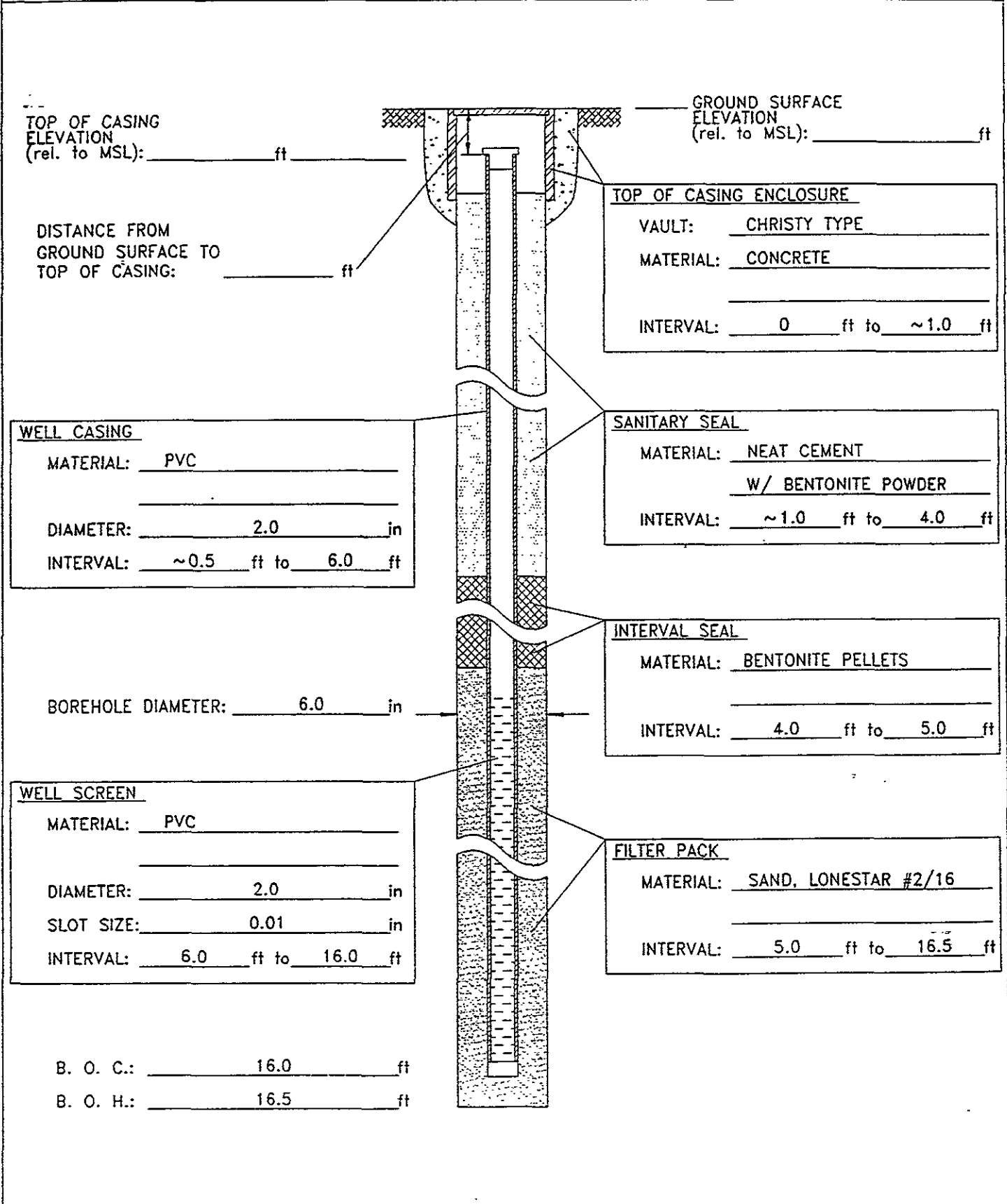


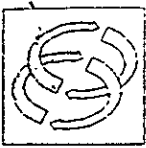


CET Environmental Services, Inc.
 5845 Doyle Street, Suite 104
 Emeryville, CA 94608
 (510) 652-7001

WELL CONSTRUCTION DIAGRAM

PROJECT NAME:	CASTRO VALLEY FLORIST	PROJECT NUMBER:	3627-100	WELL ID:	CET3
PROJECT LOCATION:	2728 CASTRO VALLEY FLORIST, CASTRO VALLEY, CALIFORNIA			DATE INSTALLED:	08/22/94





CET Environmental Services, Inc.
 5845 Doyle Street, Suite 104
 Emeryville, CA 94608
 (510) 652-7001

BOREHOLE LOG

PROJECT NAME: CASTRO VALLEY FLORIST		PROJECT NUMBER: 3627-208		BOREHOLE NUMBER: CET1							
PROJECT LOCATION: 2728 CASTRO VALLEY BOULEVARD, CASTRO VALLEY, CALIFORNIA											
NOTES: 90 lb HAMMER - 30" DROP		LOGGED BY: DG	DATE STARTED: 08/15/94	TIME:							
STRENGTH DESIGNATIONS ARE RELATIVE		EDITED BY: KD	DATE COMPLETED: 08/15/94	TIME:							
DUE TO USE OF NON STANDARD		REVIEWED BY: KD	DATE BACKFILLED: N/A	TIME: BY:							
HAMMER WEIGHT			DRILLING CONTRACTOR: BAYLAND DRILLING	DRILL RIG TYPE: LIMITED ACCESS							
DEPTH [FT]	INTERVAL RECOVERY	BLOW COUNT (PER 0.5 FT)	METER READING TYPE: OVM	UNITS: ppit	SAMPLE DATA & REMARKS (IDENTIFICATION, COLLECTION TIME, GWL, ETC.)	USCS GRAPHIC	TOTAL DEPTH [FT]: 20	DEPTH TO WATER [FT]:	DATE:	TIME:	NUMBER OF SAMPLES: 4
							SAMPLING METHOD: CAL. MOD. SPLIT SPOON SAMPLER				BOREHOLE DIAMETER [IN]: 8
SOIL DESCRIPTION/CONDITIONS ENCOUNTERED/COMMENTS											
0							0-0.3'	CONCRETE			
1						SM	0.3'-3'	SILTY SAND (SM); DARK GRAYISH BROWN (10YR4/2); LOOSE; POORLY GRADED; MEDIUM TO FINE-GRAINED SAND; ANGULAR TO SUBANGULAR; NON-PLASTIC; MOIST; NO ODOR; MINOR COMPONENT OF GRAVEL (FILL?)			
2											
3							3'-20'	SILTY CLAY (CL); BLACK (10YR2/1) TO DARK BROWN (10YR3/3); STIFF TO VERY STIFF; MEDIUM PLASTICITY; MOIST; NO ODOR; HARD CLAY @ 3.5'			
4											
5		3			SAMPLE CET1-5			10:00			
6		4	0								
7		4				CL					
8											
9		3			SAMPLE CET1-10			10:40			
10		12	0								
11		15					11'	GRAVEL LAYER			
12											
13							~13'	CLAY; HARD; DRY			
14						CL					



CET Environmental Services, Inc.
 5845 Doyle Street, Suite 104
 Emeryville, CA 94608
 (510) 652-7001

BOREHOLE LOG

PROJECT NAME: CASTRO VALLEY FLORIST			PROJECT NUMBER: 3627-208			BOREHOLE NUMBER: CET2					
PROJECT LOCATION: 2728 CASTRO VALLEY BOULEVARD, CASTRO VALLEY, CALIFORNIA											
NOTES: 90 lb HAMMER - 30" DROP			LOGGED BY: DG	DATE STARTED: 08/22/94	TIME: 13:00						
STRENGTH DESIGNATIONS ARE RELATIVE			EDITED BY: KD	DATE COMPLETED: 08/23/94	TIME:						
DUE TO USE OF NON STANDARD			REVIEWED BY: KD	DATE BACKFILLED: 08/23/94	TIME: BY:						
HAMMER WEIGHT			DRILLING CONTRACTOR: BAYLAND DRILLING			DRILL RIG TYPE: LIMITED ACCESS					
DEPTH [FT]	INTERVAL RECOVERY	BLOW COUNT (PER 0.5 FT)	METER READING TYPE: OVM	UNITS: ppm	SAMPLE DATA & REMARKS (IDENTIFICATION, COLLECTION TIME, GWL ETC.)	USCS GRAPHIC	TOTAL DEPTH [FT]: ~12	DEPTH TO WATER [FT]:	DATE:	TIME:	NUMBER OF SAMPLES: 2
							SAMPLING METHOD: CAL. MOD. SPLIT SPOON SAMPLER				BOREHOLE DIAMETER [IN]: 6
SOIL DESCRIPTION/CONDITIONS ENCOUNTERED/COMMENTS											
0							0-0.3'	CONCRETE			
1						SM	0.3'-3'	SILTY SAND (SM); DARK GRAYISH BROWN (10YR4/2); LOOSE; POORLY GRADED; MEDIUM TO FINE-GRAINED SAND; ANGULAR TO SUBANGULAR; NON-PLASTIC; MOIST			
2											
3							3'-11.75'	SILTY CLAY (CL); BLACK (10YR2/1) TO DARK BROWN (10YR3/3); STIFF TO VERY STIFF; MEDIUM PLASTICITY; MOIST			
4											
5											
6		3			SAMPLE CET2-6						
		5	0		14:45						
		6									
7						CL					
8											
9		3			SAMPLE CET2-9.5		~8.5'	OBSTRUCTION ENCOUNTERED; POUND SAMPLER TO ALMOST 10'; BOREHOLE HAND AUGERED TO 11' 9"			
		10	0		15:30						
		4	(3")								
10											
11								GROUNDWATER ENCOUNTERED @11.7' INSUFFICIENT TO SAMPLE NO ODOR OR SHEEN			
12								B. O. H. @ 11.75'			



5845 Doyle Street, Suite 104
 Emeryville, CA 94608
 (510) 652-7001

PROJECT NAME: CASTRO VALLEY FLORIST				PROJECT NUMBER: 3627-208				BOREHOLE NUMBER: CET5		
PROJECT LOCATION: 2728 CASTRO VALLEY BOULEVARD, CASTRO VALLEY, CALIFORNIA										
NOTES: 90 lb HAMMER - 30" DROP				LOGGED BY: DG	DATE STARTED: 08/22/94	TIME: 16:40				
STRENGTH DESIGNATIONS ARE RELATIVE DUE TO				EDITED BY: KD	DATE COMPLETED: 08/23/94	TIME: 11:00				
USE OF NON STANDARD HAMMER WEIGHT				REVIEWED BY: KD	DATE BACKFILLED: 08/23/94	TIME: 15:30		BY: DRILLER		
DRILLING RESTARTED 08/23/94 @ 08:00				DRILLING CONTRACTOR: BAYLAND DRILLING			DRILL RIG TYPE: LIMITED ACCESS			
DEPTH [FT]	INTERVAL RECOVERY	BLOW COUNT (PER 0.5 FT)	METER READING TYPE: OVM UNITS: ppm	SAMPLE DATA & REMARKS (IDENTIFICATION, COLLECTION TIME, GWL, ETC.)	USCS GRAPHIC	TOTAL DEPTH [FT]: 20.5	DEPTH TO WATER [FT]: ~17	DATE:	TIME:	NUMBER OF SAMPLES: 4
						SAMPLING METHOD: CAL. MOD. SPLIT SPOON SAMPLER				BOREHOLE DIAMETER [IN]: 6
SOIL DESCRIPTION/CONDITIONS ENCOUNTERED/COMMENTS										
0						0-0.3'	CONCRETE			
1					SM	0.3'-3'	SILTY SAND (SM); DARK GRAYISH BROWN (10YR4/2); LOOSE; POORLY GRADED; MEDIUM TO FINE-GRAINED SAND; ANGULAR TO SUBANGULAR; NON-PLASTIC; MOIST			
2										
3						3'-20.5'	SILTY CLAY (CL); BLACK (10YR2/1) TO DARK BROWN (10YR3/3); STIFF TO VERY STIFF; MEDIUM PLASTICITY; MOIST			
4										
5										
6		4		SAMPLE CET5-6 17:15			NO ODOR			
7		6	0							
8		7								
9										
10										
11		4		SAMPLE CET5-11 18:00			NO ODOR			
12		8	0							
13		10								
14										



CET Environmental Services, Inc.
 5845 Doyle Street, Suite 104
 Emeryville, CA 94608
 (510) 652-7001

BOREHOLE LOG

PROJECT NAME: CASTRO VALLEY FLORIST				PROJECT NUMBER: 3627-208		BOREHOLE NUMBER: CET6	
PROJECT LOCATION: 2728 CASTRO VALLEY BOULEVARD, CASTRO VALLEY, CALIFORNIA							
NOTES: NO HAMMER, CONTINUOUS CORE				LOGGED BY: DG	DATE STARTED: 08/24/94	TIME: 09:20	
STRENGTH DESIGNATIONS ARE RELATIVE DUE TO				EDITED BY: KD	DATE COMPLETED: 08/24/94	TIME: 11:00	
USE OF NON STANDARD SAMPLING METHOD				REVIEWED BY: KD	DATE BACKFILLED: 08/24/94	TIME: 12:15	BY: DRILLER
				DRILLING CONTRACTOR: PRECISION SAMPLING		DRILL RIG TYPE: LIMITED ACCESS	
DEPTH [FT]		INTERVAL RECOVERY	BLOW COUNT (PER 0.5 FT)	METER READING TYPE: OVM	UNITS: ppm	SAMPLE DATA & REMARKS (IDENTIFICATION, COLLECTION TIME, GWL, ETC.)	
						USCS GRAPHIC	
						TOTAL DEPTH [FT]: 16	
						DEPTH TO WATER [FT]:	
						DATE:	
						TIME:	
						NUMBER OF SAMPLES: 3	
						SAMPLING METHOD: CONTINUOUS CORE SAMPLE	
						BOREHOLE DIAMETER [IN]: 2.5	
SOIL DESCRIPTION/CONDITIONS ENCOUNTERED/COMMENTS							
0						0-0.3'	CONCRETE
1						0.3'-3'	SILTY SAND (SM); DARK GRAYISH BROWN (10YR4/2); LOOSE; POORLY GRADED; MEDIUM TO FINE-GRAINED SAND; ANGULAR TO SUBANGULAR; NON-PLASTIC; MOIST
2							
3						3'-20.5'	SILTY CLAY (CL); BLACK (10YR2/1) TO DARK BROWN (10YR3/3); STIFF TO VERY STIFF; MEDIUM PLASTICITY; MOIST
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							

SAMPLE
 CET6-6
 09:45

NO ODOR

SAMPLE
 CET6-11
 10:15

NO ODOR



ATTACHMENT D

Laboratory Analytical Reports
Chain of Custody Records

CHROMALAB, INC.

Environmental Services (SDB)

RECEIVED

SEP 21 1994

CET-EMERYVILLE

September 6, 1994

Submission #: 9408373

CET ENVIRONMENTAL SERVICES, INC

Atten: Terry Carter

Project: CASTRO VALLEY FLORIST

Project#: 3627-209

Received: August 30, 1994

re: One sample for Gasoline and BTEX analysis

Matrix: WATER

Sampled: August 29, 1994

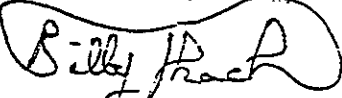
Analyzed: August 31, 1994

Method: EPA 5030/M.8015/602

RESULTS:

Sample #	Client Sample I.D.	Gasoline (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Total Xylenes (µg/L)
61475	CET 3-8	N.D.	N.D.	N.D.	N.D.	N.D.
Blank		N.D.	N.D.	N.D.	N.D.	N.D.
Blank Spike Recovery		83%	102%	115%	108%	115%
Reporting Limit		0.05	0.5	0.5	0.5	0.5

ChromaLab, Inc.



Billy Thach
Analytical Chemist



Ali Kharrazi
Organic Manager

cc

CHROMALAB, INC.

DOHS 1094

2239 Omega Road, #
510/831-1788

CLIENT: CET
DUE: 09/06/94
REF #: 18174

ref "18174"

Chain of Custody

PAGE 4 OF

PROJECT INFO					ANALYSIS REPORT														NUMBER OF CONTAINERS								
PROJECT NAME	COMPANY	ADDRESS	SAMPLE ID	DATE	TIME	MATRIX	PRESERV.	TPH - Gasoline (EPA 5030, 8015)	TPH - Gasoline (5030, 8015) w/BTEX (EPA 602, 8020)	TPH - Diesel (EPA 3510/3550, 8015)	PURGEABLE AROMATICS BTEX (EPA 602, 8020)	PURGEABLE HALOCARBONS (EPA 601, 8010)	VOLATILE ORGANICS (EPA 624, 6240, 5242)	BASE/NEUTRALS, ACIDS (EPA 625/627, 8270, 525)	TOTAL OIL & GREASE (EPA 5520, B+F, E+F)	PCB (EPA 608, 8080)	PESTICIDES (EPA 608, 8080)	TOTAL RECOVERABLE HYDROCARBONS (EPA 418.1)		METALS: Cd, Cr, Pb, Zn, Ni	CAM METALS (17)	PRIORITY POLLUTANT METALS (13)	TOTAL LEAD	EXTRACTION (ICLP, STLC)			
TERRY CARTER	CET ENV	AZ 652-7001	CET 3-8	8/20/94	16:40	H ₂ O		✓																			2
PROJECT INFORMATION					SAMPLE RECEIPT					RELINQUISHED BY 1.					RELINQUISHED BY 2.					RELINQUISHED BY 3.							
PROJECT NAME: CASTRO VALLEY FOREST					TOTAL NO. OF CONTAINERS: 21					SIGNATURE: Alex Wong					SIGNATURE:					SIGNATURE:							
PROJECT NUMBER: 3627-209					HEAD SPACE:					DATE: 8/20/94					DATE:					DATE:							
P.O. #:					REC'D GOOD CONDITION/COLD					PRINTED NAME: CET ENV					PRINTED NAME:					PRINTED NAME:							
TAT					CONFORMS TO RECORD					COMPANY: CET ENV					COMPANY:					COMPANY:							
STANDARD 5-DAY					14 48 72 OTHER					RECEIVED BY: [Signature]					RECEIVED BY:					RECEIVED BY (LABORATORY):							
SPECIAL INSTRUCTIONS/COMMENTS:										DATE: 12/05					DATE:					DATE:							
										DATE: 8-30-94					DATE:					DATE:							
										COMPANY: [Signature]					COMPANY:					COMPANY:							

CHROMALAB, INC.

Environmental Services (SDB)

September 1, 1994

Submission #: 9408297

CET ENVIRONMENTAL SERVICES, INC

Atten: Benjamin Berman

Project: N/A

Project #: 3627-208

Received: August 24, 1994

re: 9 samples for Gasoline and BTEX analysis

Matrix: SOIL

Sampled: August 22, 1994 *

Analyzed: August 29, 1994

August 23, 1994 **


August 24, 1994 ***

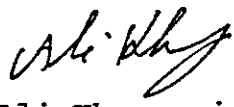
Method: EPA 5030/M.8015/8020

RESULTS:

Sample #	Client Sample I.D.	Gasoline (mg/Kg)	Benzene (µg/Kg)	Toluene (µg/Kg)	Ethyl Benzene (µg/Kg)	Total Xylenes (µg/Kg)
60972	CET 2-6*	N.D.	N.D.	N.D.	N.D.	N.D.
60973	CET 2-9.5*	N.D.	N.D.	N.D.	N.D.	N.D.
60974	CET 5-6*	N.D.	N.D.	N.D.	N.D.	N.D.
60975	CET 5-11*	N.D.	N.D.	N.D.	N.D.	N.D.
60976	CET 5-16**	N.D.	N.D.	N.D.	N.D.	N.D.
60977	CET 5-20**	N.D.	N.D.	N.D.	N.D.	N.D.
60978	CET 6-6***	N.D.	N.D.	N.D.	N.D.	N.D.
60979	CET 6-11***	N.D.	N.D.	N.D.	N.D.	N.D.
60980	CET 6-15***	N.D.	N.D.	N.D.	N.D.	N.D.
Blank		N.D.	N.D.	N.D.	N.D.	N.D.
Blank Spike Recovery		84%	83%	100%	110%	107%
Reporting Limit		1.0	5.0	5.0	5.0	5.0

ChromaLab, Inc.


Billy Thach
Analytical Chemist


Ali Kharrazi
Organic Manager

CHROMALAB, INC.

Environmental Services (SDB)

August 31, 1994

Submission #: 9408297

CET ENVIRONMENTAL SERVICES, INC

Atten: Benjamin Berman

RECEIVED

SEP - 7 1994

Project#: 3627-208

Received: August 24, 1994

CET-EMERYVILLE

re: One sample for Gasoline and BTEX analysis

Matrix: WATER

Sampled: August 23, 1994

Analyzed: August 30, 1994

Method: EPA 5030/M.8015/602

RESULTS:

Sample #	Client Sample I.D.	Gasoline (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Total Xylenes (µg/L)
60981	CETS	N.D.	N.D.	N.D.	N.D.	N.D.
Blank		N.D.	N.D.	N.D.	N.D.	N.D.
Blank Spike Recovery		116%	98%	98%	97%	97%
Reporting Limit		0.05	0.5	0.5	0.5	0.5

ChromaLab, Inc.



Billy Thach
Analytical Chemist



Ali Kharrazi
Organic Manager

cc

CHROMALAB, INC.

DOHS 1094

2239 Omega P
510/83;

CLIENT: CET
DUE: 08/31/94
REF #: 18093

60981
Chain of Custody

DATE 8-29-94 PAGE 1 OF 2

COMPANY					ANALYSIS REPORT														NUMBER OF CONTAINERS			
ADDRESS					TPH - Gasoline (EPA 5030, 8015)	TPH - Gasoline (5030, 8015) w/BTEX (EPA 602, 8020)	TPH - Diesel (EPA 3510/3550, 8015)	PURCEABLE AROMATICS BTEX (EPA 602, 8020)	PURCEABLE HALOCARBONS (EPA 601, 8010)	VOLATILE ORGANICS (EPA 624, 8240, 524.2)	BASE/NEUTRALS, ACIDS (EPA 625/627, 8270, 525)	TOTAL OIL & GREASE (EPA 5520, B+F, E-F)	PCB (EPA 608, 8080)	PESTICIDES (EPA 608, 8080)	TOTAL RECOVERABLE HYDROCARBONS (EPA 418.1)	METALS: Cd, Cr, Pb, Zn, Ni	CAM METALS (17)	PRIORITY POLLUTANT METALS (13)		TOTAL LEAD	EXTRACTION (ICLP, STLC)	
SAMPLE ID.	DATE	TIME	MATRIX	PRESERV.																		
CET2-6	8-22-94	14:45	Soil	ice	X																	1
CET2-9.5	"	15:30	"	"	X																	1
CET5-6	"	17:15	"	"	X																	1
CET5-11	"	18:00	"	"	X																	1
CET5-16	8-23-94	9:45	"	"	X																	1
CET5-20	"	11:15	"	"	X																	1
CET6-6	8-23-94	9:45	"	"	X																	1
CET6-11	"	10:15	"	"	X																	1
CET6-15	"	11:00	"	"	X																	1

PROJECT INFORMATION				SAMPLE RECEIPT				RELINQUISHED BY		RELINQUISHED BY		RELINQUISHED BY	
PROJECT NAME:		TOTAL NO. OF CONTAINERS		HEAD SPACE		RELINQUISHED BY		RELINQUISHED BY		RELINQUISHED BY		RELINQUISHED BY	
PROJECT NUMBER		REC'D GOOD CONDITION/COLD		CONFORMS TO RECORD		SIGNATURE		SIGNATURE		SIGNATURE		SIGNATURE	
P.O. #		TAT		STANDARD 5-DAY		PRINTED NAME		PRINTED NAME		PRINTED NAME		PRINTED NAME	
		24		48 72 OTHER		DATE		DATE		DATE		DATE	
SPECIAL INSTRUCTIONS/COMMENTS:				RECEIVED BY				RECEIVED BY		RECEIVED BY (LABORATORY)		RECEIVED BY (LABORATORY)	
				SIGNATURE				SIGNATURE		SIGNATURE		SIGNATURE	
				PRINTED NAME				PRINTED NAME		PRINTED NAME		PRINTED NAME	
				DATE				DATE		DATE		DATE	
				COMPANY				COMPANY		COMPANY		COMPANY	

CHROMALAB, INC.

DOHS 1094

2239 Omega Road, #1 • San Ramon, California 94583
510/831-1788 • Facsimile 510/831-8798

297

18043

Chain of Custody

DATE 8-23-94 PAGE 2 OF 2

Company: <u>Benjamin Berman</u> COMPANY: <u>CET Env. Services</u> ADDRESS: <u>Emeryville office</u>				ANALYSIS REPORT														NUMBER OF CONTAINERS
SAMPLERS (SIGNATURE) _____ (PHONE NO.) _____		TPH - Gasoline (EPA 5030, 8015)	TPH - Gasoline (5030, 8015) w/BTEX (EPA 602, 8020)	TPH - Diesel (EPA 3510/3550, 8015)	PURGEABLE AROMATICS BTEX (EPA 602, 8020)	PURGEABLE HALOCARBONS (EPA 601, 8010)	VOLATILE ORGANICS (EPA 624, 8240, 524-2)	BASE/NEUTRALS, ACIDS (EPA 625/627, 8270, 525)	TOTAL OIL & GREASE (EPA 5520, B+F, E+F)	PCB (EPA 608, 8080)	PESTICIDES (EPA 608, 8080)	TOTAL RECOVERABLE HYDROCARBONS (EPA 418.1)	METALS: Cd, Cr, Pb, Zn, Ni	CAM METALS (17)	PRIORITY POLLUTANT METALS (13)	TOTAL LEAD	EXTRACTION (ICLP, STLC)	
SAMPLE ID.	DATE	TIME	MATRIX	PRESERV.														
<u>CETS</u>	<u>8-23-94</u>	<u>15:00</u>	<u>Water</u>	<u>HCL</u>														
PROJECT INFORMATION				SAMPLE RECEIPT				RELINQUISHED BY				RECEIVED BY						
PROJECT NAME:		TOTAL NO. OF CONTAINERS		HEAD SPACE		REC'D GOOD CONDITION/COLD		CONFORMS TO RECORD		SIGNATURE (TIME)		SIGNATURE (TIME)		SIGNATURE (TIME)		SIGNATURE (TIME)		
PROJECT NUMBER <u>3627-208</u>		P.O. #		TAT		STANDARD 5-DAY		24 48 72 OTHER		<u>B. Berman</u> (TIME) <u>Benjamin Berman</u> (DATE) <u>CET 8-24-94</u> (COMPANY)		<u>[Signature]</u> (TIME) <u>[Signature]</u> (DATE) <u>[Signature]</u> (COMPANY)		<u>[Signature]</u> (TIME) <u>[Signature]</u> (DATE) <u>[Signature]</u> (COMPANY)		<u>[Signature]</u> (TIME) <u>[Signature]</u> (DATE) <u>[Signature]</u> (COMPANY)		
SPECIAL INSTRUCTIONS/COMMENTS: <u>Hold all remaining groundwater samples until further notice.</u>																		

CHROMALAB, INC.

Environmental Services (SDB)

August 29, 1994

Submission #: 9408197

CET ENVIRONMENTAL SERVICES, INC

Atten: Voytek Bajsarowics

Project: CASTRO VALLEY F
Received: August 16, 1994

Project #: 3627-200

re: Nine samples for Gasoline and BTEX analysis

Matrix: SOIL

Sampled: August 15, 1994

Analyzed: August 19, 1994

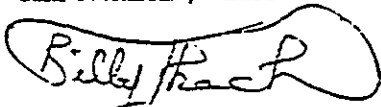
*August 16, 1994

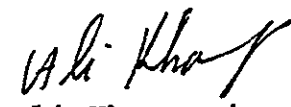
Method: EPA 5030/8015/8020

RESULTS:

Sample #	Client Sample I.D.	Gasoline (mg/Kg)	Benzene (µg/Kg)	Toluene (µg/Kg)	Ethyl Benzene (µg/Kg)	Total Xylenes (µg/Kg)
60428	CET-1-5'	N.D.	N.D.	N.D.	N.D.	N.D.
60429	CET-1-10'	N.D.	N.D.	N.D.	N.D.	N.D.
60430	CET-1-15'	N.D.	N.D.	N.D.	N.D.	N.D.
60434	CET-1-20'	N.D.	N.D.	N.D.	N.D.	N.D.
60435	*CET-3-5'	N.D.	N.D.	N.D.	N.D.	N.D.
60436	*CET-3-10'	N.D.	N.D.	N.D.	N.D.	N.D.
60437	*CET-3-12'	N.D.	N.D.	N.D.	N.D.	N.D.
60431	CET-4-6.5'	N.D.	N.D.	N.D.	N.D.	N.D.
60432	CET-4-10'	N.D.	N.D.	N.D.	N.D.	N.D.
BLANK		N.D.	N.D.	N.D.	N.D.	N.D.
SPIKE RECOVERY		95%	87%	99%	106%	101%
REPORTING LIMIT		1.0	5.0	5.0	5.0	5.0

ChromaLab, Inc.


Billy Thach
Analytical Chemist


Ali Kharrazi
Organic Manager

cc

CHROMALAB, INC.

Environmental Services (SDB)

August 29, 1994

Submission #: 9408197

CET ENVIRONMENTAL SERVICES, INC

Atten: Voytek Bajsarowics

Project: CASTRO VALLEY F
Received: August 16, 1994

Project#: 3627-200

re: One sample for Gasoline and BTEX analysis

Matrix: WATER

Sampled: August 15, 1994

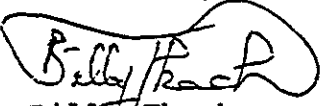
Analyzed: August 23, 1994


Method: EPA 5030/8015/602

RESULTS:

Sample #	Client Sample I.D.	Gasoline (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Total Xylenes (µg/L)
60433	CET-4-W	N.D.	N.D.	N.D.	N.D.	N.D.
BLANK		N.D.	N.D.	N.D.	N.D.	N.D.
SPIKE RECOVERY		82%	94%	111%	112%	114%
REPORTING LIMIT		0.05	0.5	0.5	0.5	0.5

ChromaLab, Inc.


Billy Thach
Analytical Chemist


Ali Kharrazi
Organic Manager

cc

CHROMALAB, INC.

DOHS 1094

2239 Ome 51
SUBM #: 9408197
CLIENT: CET
DUE: 08/23/94
REF #: 17984

121 17954

Chain of Custody

178
8/16/94

PAGE 1 OF 2

PROJECT INFORMATION					ANALYSIS REPORT																		
PROJECT NAME Casta Valley Florist					TPH - Gasoline (EPA 5030, 8015)	TPH - Gasoline (5030, 8015) w/BTEX (EPA 602, 8020)	TPH - Diesel (EPA 3510/3550, 8015)	PURGEABLE AROMATICS BTEX (EPA 602, 8020)	PURGEABLE HALOCARBONS (EPA 601, 8010)	VOLATILE ORGANICS (EPA 624, 8240, 524.2)	BASE/NEUTRALS, ACIDS (EPA 625/627, 8270, 525)	TOTAL OIL & GREASE (EPA 5520, B+F, E+F)	PCB (EPA 608, 8080)	PESTICIDES (EPA 608, 8080)	TOTAL RECOVERABLE HYDROCARBONS (EPA 418.1)	METALS: Cd, Cr, Pb, Zn, Ni	CAM METALS (17)	PRIORITY POLLUTANT METALS (13)	TOTAL LEAD	EXTRACTION (TCLP, STLC)	NUMBER OF CONTAINERS		
PROJECT NUMBER 3627-200					X	X																	
P.O.#					X	X																	
TAT					X	X																	
STANDARD 5-DAY 16 days					X	X																	
OTHER					X	X																	
SPECIAL INSTRUCTIONS/COMMENTS					X	X																	
CET-1-5'	8/15	10:00	Soil	4°C		X															1		
CET-1-10'	8/15	10:35	Soil	4°C		X															1		
CET-1-15'	8/15	15:40	Soil	4°C		X															1		
CET-4-6.5'	8/15	13:00	Soil	4°C		X															1		
CET-4-10'	8/15	13:30	Soil	4°C		X															1		
CET-4-W	8/15	16:30	Water	4°C		X															3		
CET-1-20'	8/15	17:30	Soil	4°C		X															1		
CET-3-5'	8/16	11:35	Soil	4°C		X															1		
CET-3-10'	8/16	12:10	Soil	4°C		X															1		

PROJECT INFORMATION					SAMPLE RECEIPT					RELINQUISHED BY			RELINQUISHED BY			RELINQUISHED BY		
PROJECT NAME Casta Valley Florist					TOTAL NO OF CONTAINERS					RELINQUISHED BY 1			RELINQUISHED BY 2			RELINQUISHED BY 3		
PROJECT NUMBER 3627-200					HEAD SPACE					Matthew A. Raschke 8/16/94 (SIGNATURE) (TIME) (DATE)								
P.O.#					REC'D GOOD CONDITION/COLD					Matthew A. Raschke 8/16/94 (PRINTED NAME) (DATE)								
TAT					CONFORMS TO RECORD					CET Environ. (COMPANY)								
STANDARD 5-DAY 16 days					OTHER					RECEIVED BY 1			RECEIVED BY 2			RECEIVED BY (LABORATORY) 3		
SPECIAL INSTRUCTIONS/COMMENTS										Matthew A. Raschke 8/16/94 (SIGNATURE) (TIME) (DATE)								
										B. Morrow 8-16-94 (SIGNATURE) (TIME) (DATE)								
										Chromalab (PRINTED NAME) (DATE) (COMPANY)								

CHROMALAB, INC.

DOHS 1094

2239 Omega Road, #1 • San Ramon, California 94583
510/831-1788 • Facsimile 510/831-8798

197 121 " 17984
Chain of Custody
DATE 8/16/94 PAGE 2 OF 10

PROJ MGR <u>Voytek Baysaravics</u>	ANALYSIS REPORT																
COMPANY <u>CET</u>	TPH - Gasoline (EPA 5030, 8015)	TPH - Gasoline (5030, 8015) w/BTEX (EPA 602, 8020)	TPH - Diesel (EPA 3510/3550, 8015)	PURGEABLE AROMATICS BTEX (EPA 602, 8020)	PURGEABLE HALOCARBONS (EPA 601, 8010)	VOLATILE ORGANICS (EPA 624, 8240, 524-2)	BASE/NEUTRALS, ACIDS (EPA 625/627, 8270, 525)	TOTAL OIL & GREASE (EPA 5520, 8+F, E+F)	PCB (EPA 608, 8080)	PESTICIDES (EPA 608, 8080)	TOTAL RECOVERABLE HYDROCARBONS (EPA 418-1)	METALS: Cd, Cr, Pb, Zn, Ni	CAM METALS (17)	PRIORITY POLLUTANT METALS (13)	TOTAL LEAD	EXTRACTION (TCLP, STLC)	NUMBER OF CONTAINERS
ADDRESS <u>5245 Kyle St #164 Emeryville CA 94608</u>																	
SAMPLERS (SIGNATURE) _____ (PHONE NO) _____																	

SAMPLE ID.	DATE	TIME	MATRIX	PRESERV.	TPH - Gasoline (EPA 5030, 8015)	TPH - Gasoline (5030, 8015) w/BTEX (EPA 602, 8020)	TPH - Diesel (EPA 3510/3550, 8015)	PURGEABLE AROMATICS BTEX (EPA 602, 8020)	PURGEABLE HALOCARBONS (EPA 601, 8010)	VOLATILE ORGANICS (EPA 624, 8240, 524-2)	BASE/NEUTRALS, ACIDS (EPA 625/627, 8270, 525)	TOTAL OIL & GREASE (EPA 5520, 8+F, E+F)	PCB (EPA 608, 8080)	PESTICIDES (EPA 608, 8080)	TOTAL RECOVERABLE HYDROCARBONS (EPA 418-1)	METALS: Cd, Cr, Pb, Zn, Ni	CAM METALS (17)	PRIORITY POLLUTANT METALS (13)	TOTAL LEAD	EXTRACTION (TCLP, STLC)	NUMBER OF CONTAINERS	
CET-3-12'	8/15	12:50	Soil	4°C		X																

PROJECT INFORMATION				SAMPLE RECEIPT				RELINQUISHED BY 1.		RELINQUISHED BY 2.		RELINQUISHED BY				
PROJECT NAME <u>Castro Valley Florist</u>	TOTAL NO. OF CONTAINERS	HEAD SPACE	REC'D GOOD CONDITION/COLD	CONFORMS TO RECORD	SIGNATURE <u>Matthew H. Rasche</u>		DATE <u>8/16</u>		SIGNATURE		DATE		SIGNATURE		DATE	
PROJECT NUMBER <u>3227-200</u>					PRINTED NAME <u>CET Emirci</u>		DATE		PRINTED NAME		DATE		PRINTED NAME		DATE	
P.O. #					COMPANY <u>CET Emirci</u>		DATE		COMPANY		DATE		COMPANY		DATE	
TAT	STANDARD <u>5-DAY</u>	<u>10 days</u>	24	48	72	OTHER	RECEIVED BY 1.		RECEIVED BY 2.		RECEIVED BY (LABORATORY)		RECEIVED BY		RECEIVED BY	
SPECIAL INSTRUCTIONS/COMMENTS							SIGNATURE <u>Matthew H. Rasche</u>		SIGNATURE		SIGNATURE		SIGNATURE		SIGNATURE	
							DATE <u>8-16-94</u>		DATE		DATE		DATE		DATE	
							COMPANY <u>Chromalab</u>		COMPANY		COMPANY		COMPANY		COMPANY	



Testing Engineers, Inc.

Quality Assurance Services
Materials Consulting

4/13/89

ALAMEDA COUNTY
DEPT. OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS

Work Request No. H1050		INSPECTION REPORT				Week ending 3-10-89	
Project No. 22736 "S"		Type of Inspection			Place of Inspection		
Project: Shell Station 2724 Castro Valley Blvd. Castro Valley, PAR025, Client Job No. 470E		<input type="checkbox"/> Concrete/Rebar <input type="checkbox"/> Stressing <input type="checkbox"/> Steel/Welding <input type="checkbox"/> UT/Visual <input checked="" type="checkbox"/> Soils/Asphalt <input type="checkbox"/> Roofing <input type="checkbox"/> Masonry <input type="checkbox"/> Fireproofing <input type="checkbox"/> Other <input type="checkbox"/> Other			<input checked="" type="checkbox"/> Jobsite <input type="checkbox"/> Other		
Date	3-7-89						
Hours	2						
Miles/Zone	Zone 2						
Inspector	Ram						

Report:

As requested arrived on the jobsite and was informed by the foreman that compaction was cancelled this date. Returned to TEI in Santa Clara.

1cc: Paradiso Construction
Attention: Rick Montesano
1cc: Alameda County Health Department

Reviewed by

Terry R. Chiccino
Soils/Asphalt Supervisor



Testing Engineers, Inc.

PROJECT NO: 22736 "S"	TYPE OF INSPECTION	PLACE OF INSPECTION
PROJECT NAME: Shell Station 2724 Castro Valley Blvd Castro Valley, PAR025	Nuclear Density WORK REQUEST NO: H1050	Jobsite ZONE: 1
DATE: 3-6-89		
HOURS: 4		
INSPECTOR: Ram		

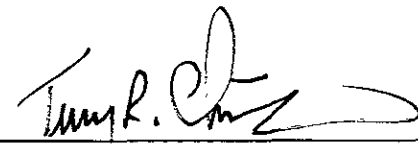
Reported to: Rick Montesano Company: Paradiso Construction
 Feature: Tank pit backfill
 Field Test Procedure: ASTM D2922 & D3017 Lab Test Procedure: ASTM D1557

Material Description	Opt. Moist.	Max. Density	Lab Ref. #
1. Dark brown silty clay	11.6%	118.6 pcf	-----
2.			
3.			
4.			

Location	FIELD TEST Elev.	RESULTS		Curve No.	Rel. Comp. %	Proj. Spec. %
		Field Dens. pcf	Field Moist. %			
1 Middle of the tank pit	-11 ² to FG	112.7	16.2	1	95	90
2 Middle of the tank pit	-9 ⁵ to FG	110.4	18.4	1	93	90

NOTE: Test results constitute the reporting of factual information derived from test(s) made by our laboratory following prescribed procedures. These test results should not be considered as an engineering opinion with respect thereto.

1cc: Paradiso Construction
 Attention: Rick Montesano
 1cc: Alameda County Health Department

Reviewed by 
 Terry R. Chiccano
 Soils/Asphalt Supervisor

RIGHETTI LAW FIRM

Oakland: (415) 444-4900
Pleasanton: (415) 484-4900

Telecopier/FAX
(415) 444-2303

April 7, 1989

4/10/89
DIVISION OF HAZARDOUS MATERIALS

LAWRENCE SETO
ALAMEDA COUNTY HEALTH AGENCY
DIVISION OF HAZARDOUS MATERIALS
DEPARTMENT OF ENVIRONMENTAL HEALTH
80 Swan Way, Rm. 200
Oakland, CA 94621

Re: Righetti v. Shell Oil Co.

Dear Mr. Seto:

Enclosed please find copies of analytical test results compiled by Subsurface Consultants, Inc. Please contact me so we can review and comment upon the remediation plan proposed by Shell Oil Company.

Very truly yours,

RIGHETTI LAW FIRM


MATTHEW RIGHETTI

MR:ldl

cc: Dr. and Mrs. Milton Righetti

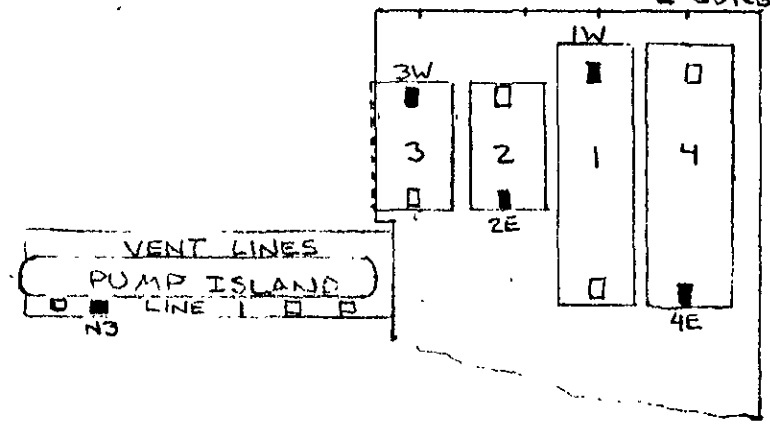
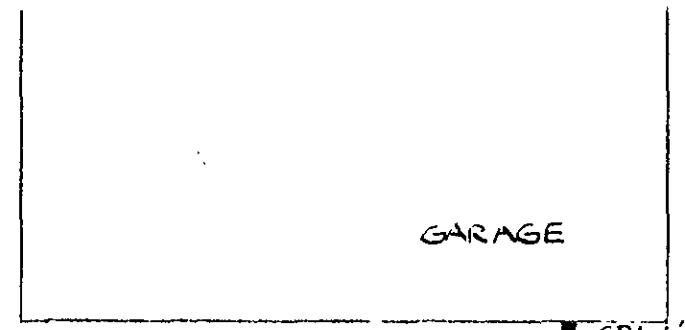
DRAFT

Righetti
502.001
1" = 20'

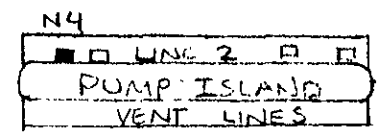


A#1

STOCKPILES



A#2



CASTRO VALLEY BLVD.



LABORATORY NUMBER: 16847
CLIENT: SUBSURFACE CONSULTANTS
JOB NUMBER: 502.001
PROJECT: CASTRO VALLEY BLVD.

DATE RECEIVED: 02-17-89
DATE ANALYZED: 02-21-89
DATE REPORTED: 03-01-89
PAGE 2 OF 2

Total Volatile Hydrocarbons (TVH) by EPA 8015
Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 602/8020
Extraction by EPA 5030 Purge and Trap

Table with 7 columns: LAB ID, CLIENT ID, TVH AS GASOLINE (ug/Kg), BENZENE (ug/Kg), TOLUENE (ug/Kg), ETHYL BENZENE (ug/Kg), TOTAL XYLENES (ug/Kg). Rows include data for TANK 1W, 2E, 3W, and 4E.

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD

4



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 16847
CLIENT: SUBSURFACE CONSULTANTS
JOB #: 502.001
PROJECT: CASTRO VALLEY BLVD.

DATE RECEIVED: 02-17-89
DATE ANALYZED: 02-17-89
DATE REPORTED: 03-01-89
PAGE 1 OF 2

=====

ORGANIC LEAD IN SOIL
DHS METHOD
MAY 1988 LUFT MANUAL

LAB ID	CLIENT ID	ORGANIC LEAD mg/Kg
16847-1	TANK 1W	ND(2.0)
16847-2	TANK 2E	ND(2.0)
16847-3	TANK 3W	ND(2.0)
16847-4	TANK 4E	ND(2.0)

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	<1
%RECOVERY	106

LABORATORY DIRECTOR



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LAB NUMBER: 16867-5
CLIENT: SUBSURFACE CONSULTANTS
JOB #: 502.001
PROJECT: CASTRO VALLEY BLVD.

DATE RECEIVED: 02-22-89
DATE ANALYZED: 03-01-89
DATE REPORTED: 03-09-89
PAGE 1 OF 3

Method Reference: O&G: Oil and Grease, SMWW 503 E

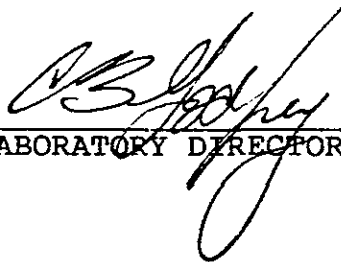
LAB ID	CLIENT ID	O&G (mg/Kg)
16867-5	GD1 @ 6"	15,000

RECEIVED

MAR 15 1989

AM 8 9 10 11 12 1 2 3 4 5 6 PM

8


LABORATORY DIRECTOR

Berkeley

Wilmington

Los Angeles



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710. Phone (415) 486-0900

LABORATORY NUMBER: 16867-6
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 502.001
 JOB LOCATION: CASTRO VALLEY BLVD.
 CLIENT ID: W3 @ 13

DATE RECEIVED: 02-22-89
 DATE ANALYZED: 02-27-89
 DATE REPORTED: 03-09-89
 PAGE 2 OF 3

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 602/8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYL BENZENE (ug/L)	TOTAL XYLENES (ug/L)
16867-6	W3 @ 13	21,000	1,000	600	400	3,700

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD

10



LABORATORY NUMBER: 16867
CLIENT: SUBSURFACE CONSULTANTS
JOB NUMBER: 502.001
JOB LOCATION: CASTRO VALLEY BLVD.

DATE RECEIVED: 02-22-89
DATE ANALYZED: 02-24-89
DATE REPORTED: 03-09-89
PAGE 3 OF 3

Total Volatile Hydrocarbons (TVH) by EPA 8015
Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 602/8020
Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (ug/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
16867-1	A #1	20,000	ND(5)	250	250	3,100
16867-2	A #2	75,000	300	5,000	4,000	20,000
16867-3	LINE 1N3	35,000	500	400	500	2,500
16867-4	LINE 2N4	85,000	1,600	1,200	500	3,500

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD

10