R0820

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

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

REMEDIAL ACTION COMPLETION CERTIFICATION

STID 754 - 600 Dutton Ave., San Leandro, CA 94577
(2-1K and 2-10K gallon tanks removed on August 8, 1988)
(S/B 1-1K, 1-6K & 2-10K)

November 17, 1998

Mr. Mark Miller
Diogenes Investors
P.O. Box 20
Stockton, CA 95201

Dear Mr. Miller:

This letter confirms the completion of 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 tank 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 Title 23, Section 2721(e) of the California Code of Regulations.

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

Sincerely,

Mee Ling Tung, Director

cc: Richard Pantages, Chief of Division of Environmental Protection
Phil R. Briggs, Project Manager, Chevron USA, P.O Box 6004, San Ramon, CA 94583-0904
Chuck Headlee, RWQCB
Dave Deaner, SWRCB
Leroy Griffin, OFD
files-ag754

RB file #01-0387

CASE CLOSURE SUMMARY
LEAKING UNDERGROUND FUEL STORAGE TANK PROGRAM

I. AGENCY INFORMATION DATE: May 18, 1998

Agency Name: **Alameda County Haz-Mat** Address: **1131 Harbor Bay Pkwy**
City/State/Zip: **Alameda , CA 94502** Phone: **(510) 567-6700**
Responsible Staff person: **Brian P. Oliva** Title: **Hazardous Materials Specialist**

II. CASE INFORMATION

Site Facility Name: **Former Chevron Station** #9-1832
Site Facility address: **600 Dutton Ave., San Leandro, CA 94577**
RB LUSTIS Case No. **N/A** Local Case No./LOP Cases No. **754**
URR filing date: SWEEPS No. **N/A**

Repsonsible Parties: **Adresses:** **Phone Numbers:**

Diogenes Investors **P.O. Box 20. Stockton, CA 95201**

Chevron USA c/o Phil Briggs, P.O. Box 5004, San Ramon, CA 94583-0804

Tank No:	Size in gall	Contents:	Closed in-place or removed?:	Date:
1	6000	regular gasoline	removed	8/8/88
2	10000	unleaded gasoline	removed	8/8/88
3	1000	waste oil	removed	8/8/88
4	10000	super unleaded	removed	8/8/88

***Note: There were an additional nine (9) tanks reportedly removed. This purportedly took place in the 1930's.**

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: **Unknown**
Site characterization completed ? **Yes**
Date approved by oversight agency: **11/20/96**
Monitoring wells installed? **Yes** Number: **four (4)**
Proper screened interval? **Yes**
Highest GW depth below ground surface? **36.35'** Lowest depth: **36.60'**
Flow direction: **generally southwesterly**
Most sensitive current use: **commercial**
Are drinking water wells affected? **Unknown** Aquifer name: **San Leandro Cone**
Are surface waters affected ? **No** Nearest affected SW name: **Unknown**
Off-site beneficial use impacts (address/location):
Reports on file? **Yes** Where is report (s) filed? **Alameda County**
1131 Harbor Bay Pkwy
Alameda, CA 94502

CASE CLOSURE SUMMARY
Leaking Underground Fuel Tank Program

Treatment and Disposal of Affected Material:

Material	Amount (include units)	Action (Treatment or disposal with destination	Date
Tanks & Piping	2-10,000 gallon 1-6,000 gallon	unknown	8/8/88
Free Product	1-1000 gallon		
Soil & GW	unknown		

Maximum Documented Contaminant Concentrations—Before and After Cleanup

Contaminant	Soil(ppm)		Water(ppb)	
	Before[1]	After[2]	Before[3]	After[4]
TPH(Gas)	ND	<5	11,000	8,300
TPH (diesel)	NA	<10	ND	NA
Oil & Grease	ND	<30	ND	NA
Benzene	0.001	<0.2	6	<3
Toluene	0.006	<0.2	34	9
Ethylbenzene	0.023	<0.2	140	77
Xylenes	0.028	<0.2	110	80
Heavy Metals (EPA 8240)	NA	ND		

[1] "Before " results were revealed in soil samples collected on 5/21/88, during installation of groundwater monitoring wells MW-1 through MW-4.

[2] "After" results were revealed in soil samples collected on 8/8/88, after the removal of four USTs.

[3] "Before" results were revealed in the groundwater samples collected on 6/1/88 from MW-1, with the exception of toluene, which was collected on 8/9/88.

[4] "After" results were revealed in the final sampling of well MW-1 on 11/29/88, after wells MW-2, MW-3 and MW-4 were abandoned.

CASE CLOSURE SUMMARY
LEAKING UNDERGROUND FUEL PROGRAM

Comments (Depth of Remediation, Etc.):

Standard Oil apparently began leasing the site in 1938. Several generations of different USTs configurations were apparently in use before operations ceased in 1988 (see figure 2).

During May 1988, Harding Lawson Associates (HLA) advanced four exploratory soil borings with subsequent conversion to groundwater monitoring wells MW-1, MW-2, MW-3, MW-4 (see plate 1). One boring was installed up-gradient of the site (MW-4), two down gradient of the gasoline underground storage tanks (USTs) (MW-2 and MW-3), and one boring down-gradient of the waste oil tank (MW-1). Laboratory results of soil and groundwater samples collected from the four monitoring wells are summarized in Table 1, 2 and 3.

On August 8, 1988, the four USTs were removed from the site. The USTs consisted of one 1,000 gallon regular leaded gasoline, one 10,000 gallon unleaded gasoline, one 10,000 gallon super unleaded gasoline, and one 1,000 waste oil tank. No holes were observed in any of the four USTs at the time of tank removals. Wells MW-2, MW-3 and MW-4 were abandoned on September 27, 1988, after groundwater sampling had been performed for 2 sampling events (6/1/88 and 8/9/88). Monitoring well MW-1 was sampled an additional time on 11/29/88, which revealed TPHg and BTEX concentrations of 8,300, <3,9, 77 and 80ug/l (ppb) respectively (see table 3).

On November 21, 1996, three soil probe borings (p1 through P3) were advanced near the southward property to determine whether 3 550 gallon USTs had been properly removed during renovation of the station in late 1949 (See Figure 3). These three borings were advanced at the approximate locations of the three (3) 550 gallon USTs as shown in Figure 2. Laboratory results of soil sample P-2-10, collected at a depth of 10"bgs, revealed TPH-g and BTEX at concentrations of 2.1, <0.0005, 0.011, 0.008 and 0.015 mg/kg (ppm), respectively. This subsurface investigation was to include collecting "grab" groundwater samples form each of these three boring. However, since groundwater was not encountered in the borings, no groundwater samples were collected.

See section VII, Additional comments, etc...

IV. **Closure**

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? **Undetermined**
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? **Undetermined**
Does corrective action protect public health for current land use? **Yes**
Site management requirements: **None**
Should corrective action be reviewed if land use changes? **Yes**
Monitoring wells Decommissioned : **Four (4)**
List enforcement actions taken: **None**
List enforcement actions rescinded: **N/A**

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: **Brian P. Oliva, REHS, REA** Title: **Hazardous Materials Specialist**

Signature: Brian P Oliva Date: 4/28/98

Reviewed by:

Name: **Eva ~~Chow~~ Chu** Title: **Hazardous Materials Specialist**

Signature: Eva Chu Date: 4/28/98

Name: **Thomas Peacock** Title: **Supervising Hazardous Materials Specialist**

Signature: Thomas Peacock Date: 5-7-98

VI. RWQCB NOTIFICATION

Date Submitted to RB: 5/18/98 RB Response:

RWQCB Staff Name: **Chuck Headlee** Title: ~~AWRCE~~ EG

Signature: Chuck Headlee Date: 5/29/98

VII. ADDITIONAL COMMENTS, DATA ETC.

Case closure is warranted for this site as a "Low-Risk Groundwater Case" for the following reasons.

a) The source has been sufficiently removed or has been remediated.

Laboratory analysis of verification soil samples collected from the sidewalls of the former gasoline and waste oil tanks excavations indicate non-detectable concentration s of TPHg and BTEX. In addition, laboratory analysis of soil samples collected during the 1996 subsurface investigation revealed unremarkable concentrations of TPHg, BTEX and MTBE.

b) The site has been adequately characterized.

Laboratory analysis of soil and groundwater samples collected during site investigations document that the previous release is small in extent and appears to be limited to soils which had come in contact with groundwater in the vicinity of MW-1.

ADDITIONAL COMMENTS CONTINUED...

c) The dissolved hydrocarbon plume appears to be stable and is not migrated.

Petroleum hydrocarbons were detected in the groundwater samples collected from MW-1, during the 3 sampling events in 1988. Laboratory analysis of groundwater samples collected from down-gradient wells MW-2, MW-3, revealed non-detectable concentrations of TPHg and BTEX. The petroleum hydrocarbon contamination should continue to naturally degrade over time.

d) No water wells, deeper water wells, surface water or other sensitive receptors are likely to be impacted.

e) The site presents no significant risk to human health or the environment.

Laboratory analysis of soil and groundwater samples, collected during the 1988 groundwater monitoring well installation and subsequent UST removal, and the November 1996 subsurface investigation revealed non-detectable concentrations of benzene (with the exception of 6ug/l of benzene detected in MW-1 on 6/1/88). In addition, the maximum concentrations of toluene (34ug/l) and ethylbenzene (140ug/l) and total xylenes (110ug/l) historically detected in the groundwater samples collected from MW-1 to MW-4, are below California primary drinking water standards (maximum contaminant levels-MCLs).

LOCATION MAP

UNION SAFE DEPOSIT BANK
600 DUTTON AVENUE
SAN LEANDRO, CALIFORNIA

Advanced GeoEnvironmental, Inc.
of Northern California

PROJECT NO. 0279	FILE: LOCMAP.DWG	FIGURE: 1
DATE: 19 NOVEMBER 1996	DRAWN BY TC	

RECONSTRUCTION
OF
FOUR GENERATIONS
OF UST'S AT
600 DUTTON AVENUE.
SAN LEANDRO
94577

(LOCATIONS
ARE APPROXIMATE)

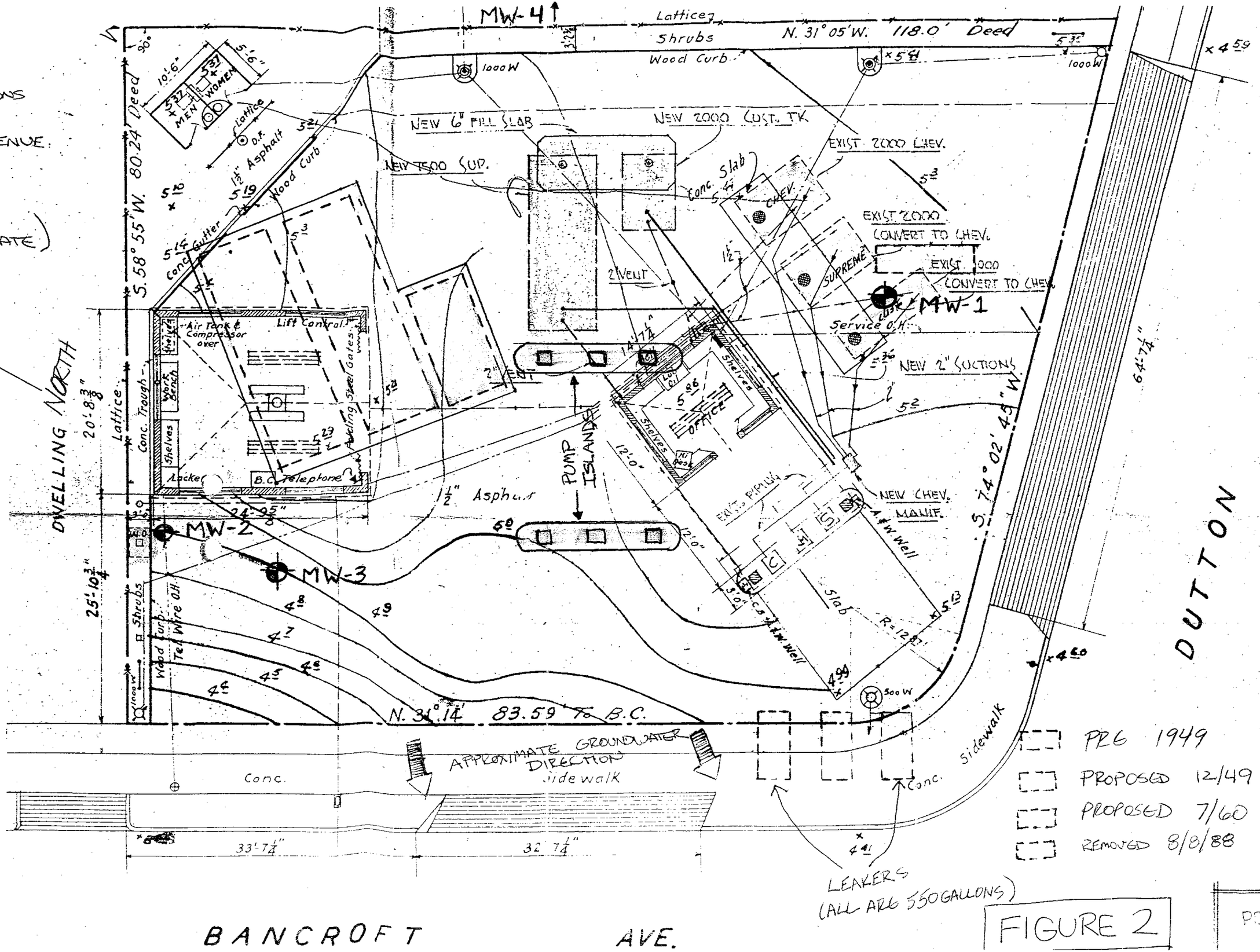


FIGURE 2

Table 1. Summary of Analytical Results - Soil

	B		T		E		X		TPH Gasoline		TPH Oil		TPH Diesel	TOG
	6/1	8/9	6/1	8/9	6/1	8/9	6/1	8/9	6/1	8/9	6/1	8/9	6/1	6/1
Soil														
MW-1	ND	NA	ND	NA	.023	NA	.028	NA	NA	NA	ND	NA	NA	ND
MW-2	ND	NA	.002	NA	ND	NA	ND	NA	ND	NA	NA	NA	NA	NA
MW-3	.001	NA	.002	NA	ND	NA	.003	NA	ND	NA	NA	NA	NA	NA
MW-4	ND	NA	.006	NA	ND	NA	ND	NA	ND	NA	NA	NA	NA	NA
Designated Level*	.7	.7	100	100	1400	1400	620	620	--	--	--	--	--	--

NA = Not Analyzed
ND = Not Detected
Units of BTEX TPH are in part per million (ppm)

* Jon Marshack, "Water Quality Objectives" and Hazardous and Designated Levels for Chemical Constituents, California Regional Water Quality Control Board, Central Valley Region, July, 1985.

Table 2. Summary of Analytical Results - Water

	B		T		E		X		TPH Gasoline		TPH Oil		TPH Diesel	TOG
	6/1	8/9	6/1	8/9	6/1	8/9	6/1	8/9	6/1	8/9	6/1	8/9	6/1	6/1
Water									11,000	9100				
MW-1	6	ND	5	34	140	100	110	110	11	9.1	ND	ND	ND	NA
MW-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
MW-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
MW-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
Action Level*	.7	.7	100	100	680	680	620	620	--	--	--	--	--	--

NA = Not Analyzed
ND = Not Detected
Units of BTXE are in part per billion (ppb)
Units of TPH are in part per million (ppm)

* Drinking Water Action Levels, Department of Health Services, 10/87.

3

Table ■. Summary of Analytical Results - Water

	Benzene			Toluene			Ethylbenzene			Xylenes		
	6/1	8/9	11/29	6/1	8/9	11/29	6/1	8/9	11/29	6/1	8/9	11/29
Water												
MW-1	6	ND (5)	ND (3)	5	34	9	140	100	77	110	110	80
MW-2	ND (.5)	ND (.5)	X	ND (.5)	ND (.5)	X	ND (.5)	ND (.5)	X	ND (2)	ND (2)	X
MW-3	ND	ND	X	ND	ND	X	ND	ND	X	ND	ND	X
MW-4	ND	ND	X	ND	ND	X	ND	ND	X	ND	ND	X
Action Level*	0.7	0.7	0.7	100	100	100	680	680	680	620	620	620

X = Abandoned
NA = Not Analyzed
ND () = Not Detected at Stated Detection Level (ppb)
Units of BTEX compounds and TPH are in parts per billion (ppb)

---

* Drinking Water Action Levels, California Department of Health Services, 10/87, in ppb.

Equipment 8-inch Hollow Stem Auger

Elevation ~63 feet Date 5/20/88

Laboratory Tests	GAS TECH	Blows/foot	Moisture Content (%)	Dry Density (pcf)	Depth (ft)	Sample	
					0		Asphalt
							BROWN CLAY WITH SILT (CL) stiff, moist
	ND	28			5		
					10		BROWN SILTY SAND (SM) medium dense, moist
	--	18					
					15		BROWN SOFT CLAY WITH SILT (CL) very stiff, moist
	ND	12					
					20		GRAY SILTY FINE SAND (SP) with some gravel; medium dense, moist
	ND	10					BROWN SOFT CLAY (CL) moist, with some silt
					25		GRAY SILT WITH CLAY (ML) very stiff, moist
	ND	14					GRAY FINE SAND (SP) moist, dense
					30		
	ND	34					GRAY-BROWN SILTY CLAY (CL) stiff, dry
					35		
	6 ppm	26					STIFF BROWN SILT (ML) very stiff, moist
						▽	5/20/88
					40		

(Continuation of Log)

Laboratory Tests	GAS TECH	Blows/foot	Moisture Content (%)	Dry Density (pcf)	Depth (ft)	Sample	
	5 ppm	15			40		GRAY SILTY CLAY/CLAYEY SILT (CL-ML) stiff, saturated
							BROWN CLAYEY SILT (ML) stiff, saturated
	ND	13			45		
					50		Bottom of boring at 48.0 feet
					55		
					60		
					65		
					70		
					75		
					80		

Harding Lawson Associates
Engineers, Geologists & Geophysicists

Log of Boring MW-1

Chevron - 600 Dutton Ave
San Leandro, California

PLATE **2**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
AG	9611,257.03	alc	6/88		

Equipment 8-inch Hollow Stem Auger

Elevation ~ 62 feet Date 5/20/88

Laboratory Tests	GAS TECH	Blows/foot	Moisture Content (%)	Dry Density (pcf)	Depth (ft)	Sample	
					0		Fill
							BROWN SILT WITH CLAY (ML) hard, dry
	ND	37			5		BROWN SILT WITH CLAY (ML) hard
	5 ppm	21			10		BROWN SILT WITH CLAY (ML) hard
	9 ppm	31			15		BROWN SILT WITH CLAY (ML) hard, slightly moist
	ND	17			20		BROWN SAND (SP) dense, saturated
	4 ppm	14			25		BROWN CLAY WITH SILT (CL-ML) very stiff, wet
	ND	13			30		
					35		▽ 5/20/88
	--	13			40		BROWN SILTY SAND (SM) fine sand, medium dense, saturated

(Continuation of Log)

Laboratory Tests	GAS TECH	Blows/foot	Moisture Content (%)	Dry Density (pcf)	Depth (ft)	Sample	
	--	10			40		
	--	20			45		
					50		Bottom of boring at 50.0 feet
					55		
					60		
					65		
					70		
					75		
					80		

Harding Lawson Associates
Engineers, Geologists
& Geophysicists

Log of Boring MW-2

Chevron - 600 Dutton Ave
San Leandro, California

PLATE **3**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
AG	9611,257.03	AK	6/88		

Equipment 8-inch Hollow Stem Auger

Elevation ~62 feet Date 5/21/88

Laboratory Tests	GAS TECH	Blows/foot	Moisture Content (%)	Dry Density (pcf)	Depth (ft)	Sample	
					0		FILL
							BROWN SILTY CLAY (CL) moist
	ND	27			5		BROWN SILTY CLAY (CL) dry, hard
	ND	13			10		BROWN CLAYEY SILT (ML) moist, stiff
	5 ppm	11			15		
	7 ppm	15			20		
					25		BROWN SAND (SP) fine to medium, medium dense, moist
	4 ppm	21					
	ND	22			30		BROWN SILTY CLAY (CL) very stiff, moist
	5 ppm	18			35		▽ 5/21/88
					40		

(Continuation of Log)

Laboratory Tests	GAS TECH	Blows/foot	Moisture Content (%)	Dry Density (pcf)	Depth (ft)	Sample	
	ND	15			40		BROWN SILTY SAND (SM) very fine, medium dense, saturated
	ND	22			45		
					50		Bottom of boring at 50.0 feet
					55		
					60		
					65		
					70		
					75		
					80		

Harding Lawson Associates
Engineers, Geologists & Geophysicists

Log of Boring MW-3

Chevron - 600 Dutton Ave
San Leandro, California

PLATE **4**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
AG	9611,257.03	[illegible]	6/88		

Equipment 8-inch Hollow Stem Auger

Elevation ~63.5 feet Date 5/21/88

Laboratory Tests	GAS TECH	Blows/foot	Moisture Content (%)	Dry Density (pcf)	Depth (ft)	Sample	
					0		FILL Asphalt BROWN CLAYEY SILT (ML) dry, hard
	5 ppm	19			5		GRAY SILT WITH CLAY (ML) moist, gray fine sand, very stiff, moist
	15 ppm	27			10		
	12 ppm	15			15		BROWN SILTY CLAY (CL) very stiff, moist
	14 ppm	15			20		
	7 ppm	12			25		
	10 ppm	12			30		
	6 ppm	27			35		▽ 5/21/88 BROWN SAND (SP) dense, saturated
					40		

(Continuation of Log)

Laboratory Tests	GAS TECH	Blows/foot	Moisture Content (%)	Dry Density (pcf)	Depth (ft)	Sample	
	15 ppm	22			40		
					45		
					50		Bottom of boring at 50.0 feet
					55		
					60		
					65		
					70		
					75		
					80		

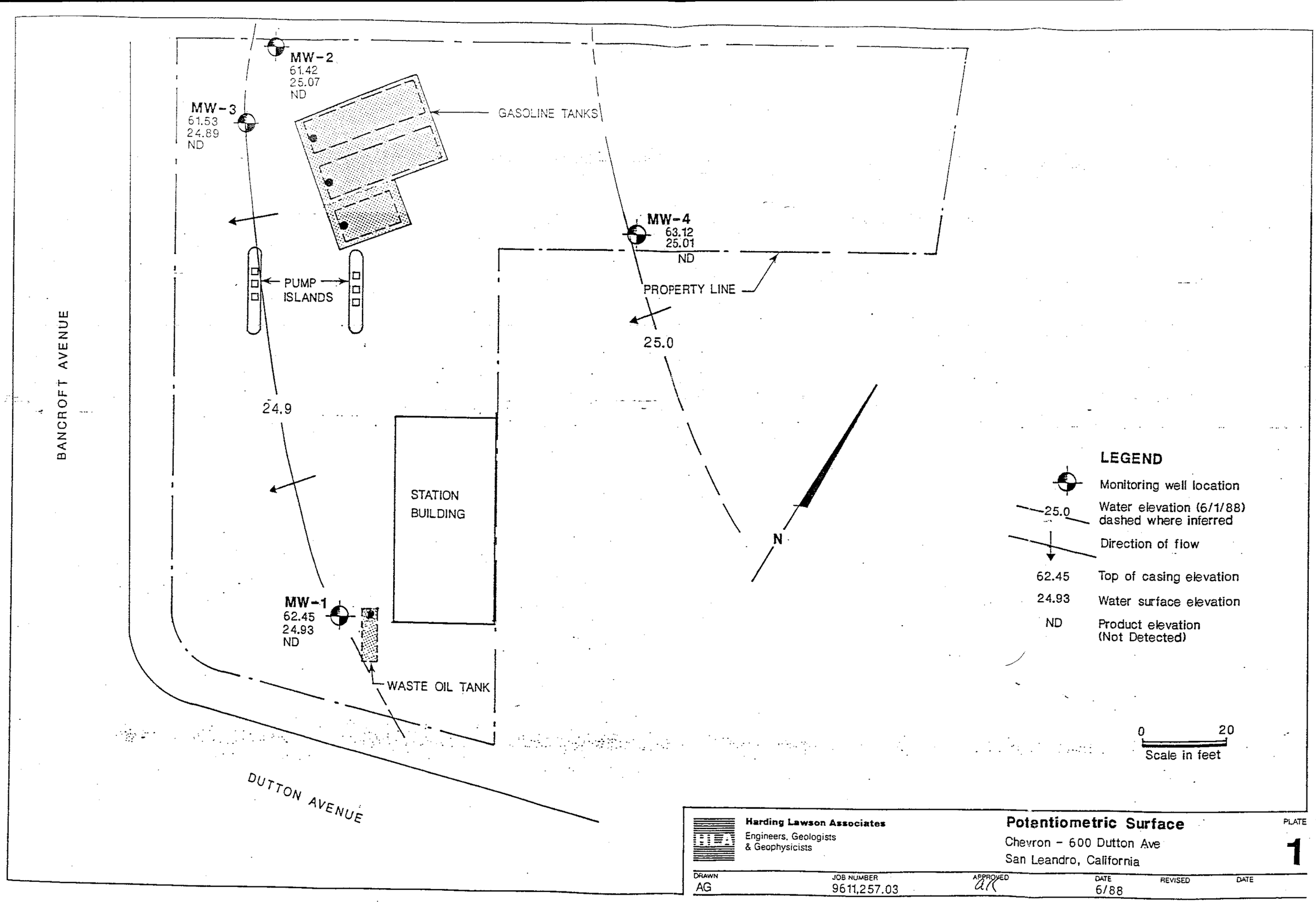
Harding Lawson Associates
Engineers, Geologists & Geophysicists

Log of Boring MW-4

Chevron - 600 Dutton Ave
San Leandro, California

PLATE **5**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
AG	9611,257.03		6/88		



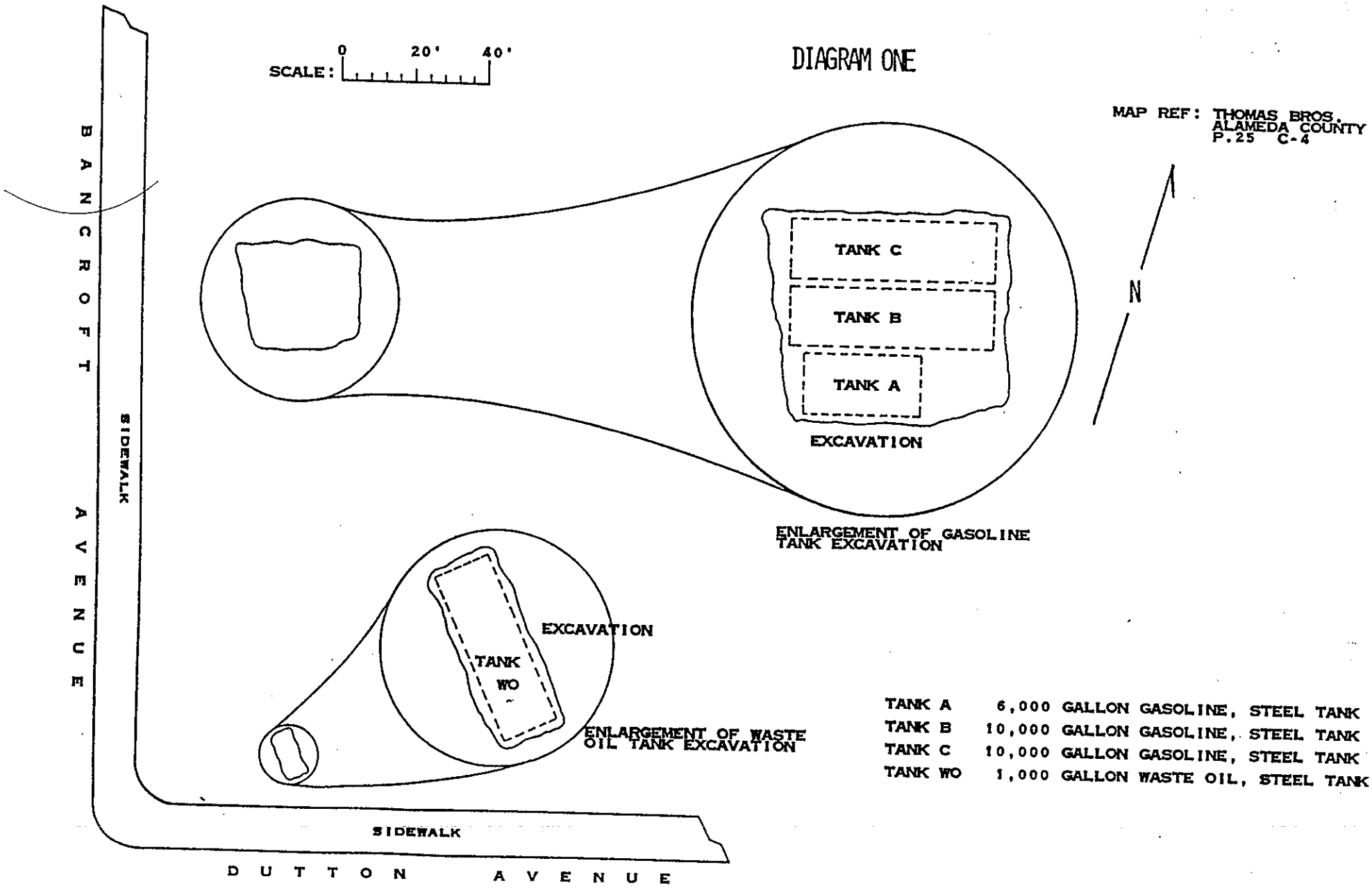
Harding Lawson Associates
Engineers, Geologists & Geophysicists

Potentiometric Surface
Chevron - 600 Dutton Ave
San Leandro, California

PLATE **1**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
AG	9611,257.03	ak	6/88		

DIAGRAM ONE



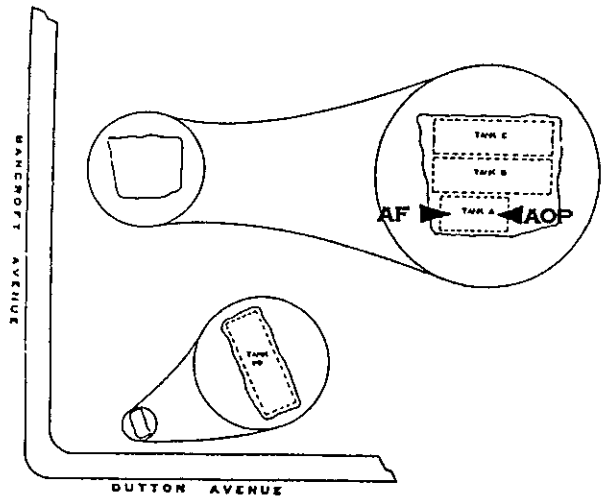
TANK A	6,000 GALLON GASOLINE, STEEL TANK
TANK B	10,000 GALLON GASOLINE, STEEL TANK
TANK C	10,000 GALLON GASOLINE, STEEL TANK
TANK WO	1,000 GALLON WASTE OIL, STEEL TANK

BLAINE
TECH SERVICES

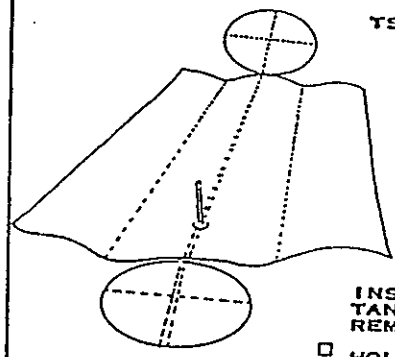
UNDERGROUND STORAGE TANK
REMOVAL AND SAMPLING LOG

TANK
A

TANK A 6,000 GALLON GASOLINE TANK
STEEL CONSTRUCTION



SITE DIAGRAM

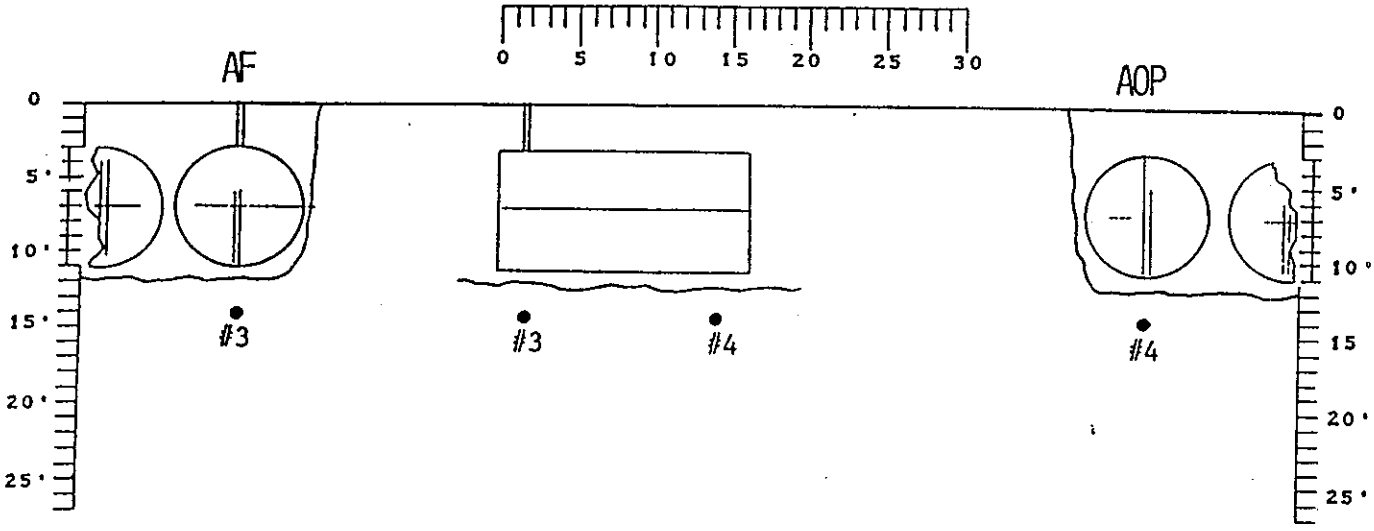


TSR PROJECTION

INSPECTION OF THE TANK FOLLOWING REMOVAL FOUND

□ HOLES IN THE LOCATIONS DEPICTED ON THE TSR PROJECTION

■ NO HOLES



ANALYTICAL RESULTS
IN PARTS PER MILLION -- PPM

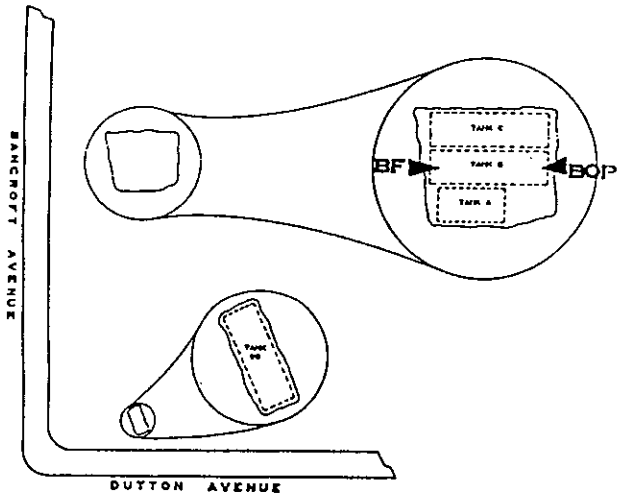
I.D. GIVEN THIS SAMPLE AREA	SAMPLE DEPTH IN FT. BELOW GRADE	SAMPLING LOCATION DICTATED BY	TYPE & METHOD FOR THE SAMPLE OBTAINED	SAMPLE MATRIX	DATE SAMPLED	BTS CHAIN OF CUSTODY I.D.	BTS SAMPLE I.D.	NAME OF DOHS EMTL LABORATORY	LABORATORY SAMPLE I.D.	TPH AS GAS	BEN-ZENE	TOL-UENE	ETHYL BEN-ZENE	XY-LENES
AF	14.0	STANDARD	INTERFACE	SOIL	8/8/88	88221-M-1	#3	ANAMETRIX	8808060-03	ND	ND	ND	ND	ND
Aop	14.0	STANDARD	INTERFACE	SOIL	8/8/88	88221-M-1	#4	ANAMETRIX	8808060-04	ND	ND	ND	ND	ND

BLAINE
TECH SERVICES

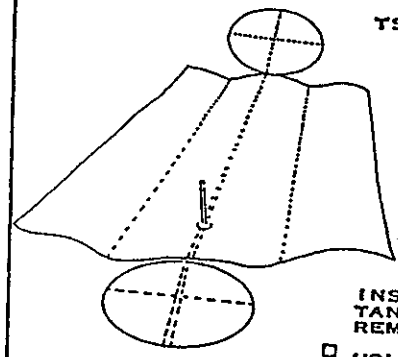
UNDERGROUND STORAGE TANK
REMOVAL AND SAMPLING LOG

TANK
B

TANK B 10,000 GALLON GASOLINE TANK
STEEL CONSTRUCTION



SITE DIAGRAM

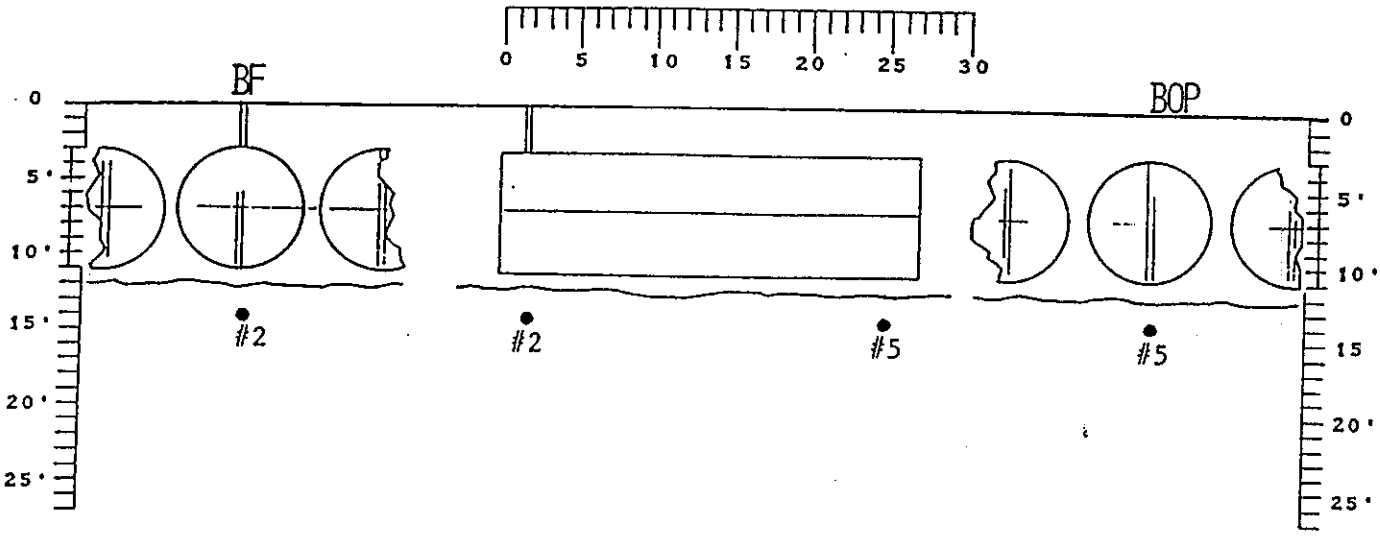


TSR PROJECTION

INSPECTION OF THE TANK FOLLOWING REMOVAL FOUND

□ HOLES IN THE LOCATIONS DEPICTED ON THE TSR PROJECTION

■ NO HOLES



ANALYTICAL RESULTS
IN PARTS PER MILLION -- PPM

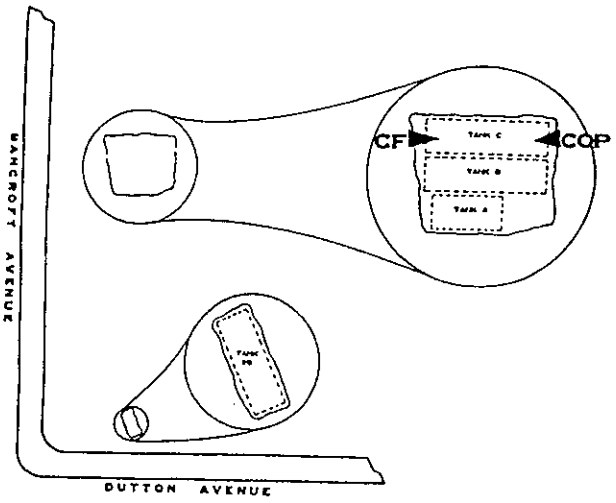
I.D. GIVEN THIS SAMPLE AREA	SAMPLE DEPTH IN FT. BELOW GRADE	SAMPLING LOCATION DICTATED BY	TYPE & METHOD FOR THE SAMPLE OBTAINED	SAMPLE MATRIX	DATE SAMPLED	BTS CHAIN OF CUSTODY I.D.	BTS SAMPLE I.D.	NAME OF DOHS RMTL LABORATORY	LABORATORY SAMPLE I.D.	TPH AS GAS	BEN-ZENE	TOL-UENE	ETHYL BEN-ZENE	XY-LENES
BF	14.0	STANDARD	INTERFACE	SOIL	8/8/88	88221-M-1	#2	AMANETRIX	8808060-02	ND	ND	ND	ND	ND
Bop	14.0	STANDARD	INTERFACE	SOIL	8/8/88	88221-M-1	#5	AMANETRIX	8808060-05	ND	ND	ND	ND	ND

BLAINE
TECH SERVICES

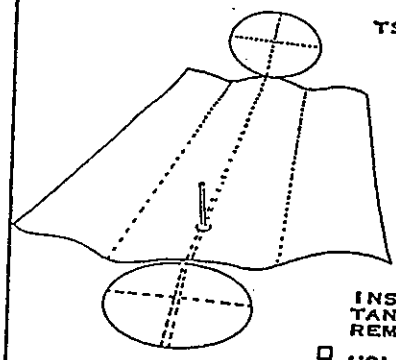
UNDERGROUND STORAGE TANK
REMOVAL AND SAMPLING LOG

TANK
C

TANK C 10,000 GALLON GASOLINE TANK
STEEL CONSTRUCTION



SITE DIAGRAM

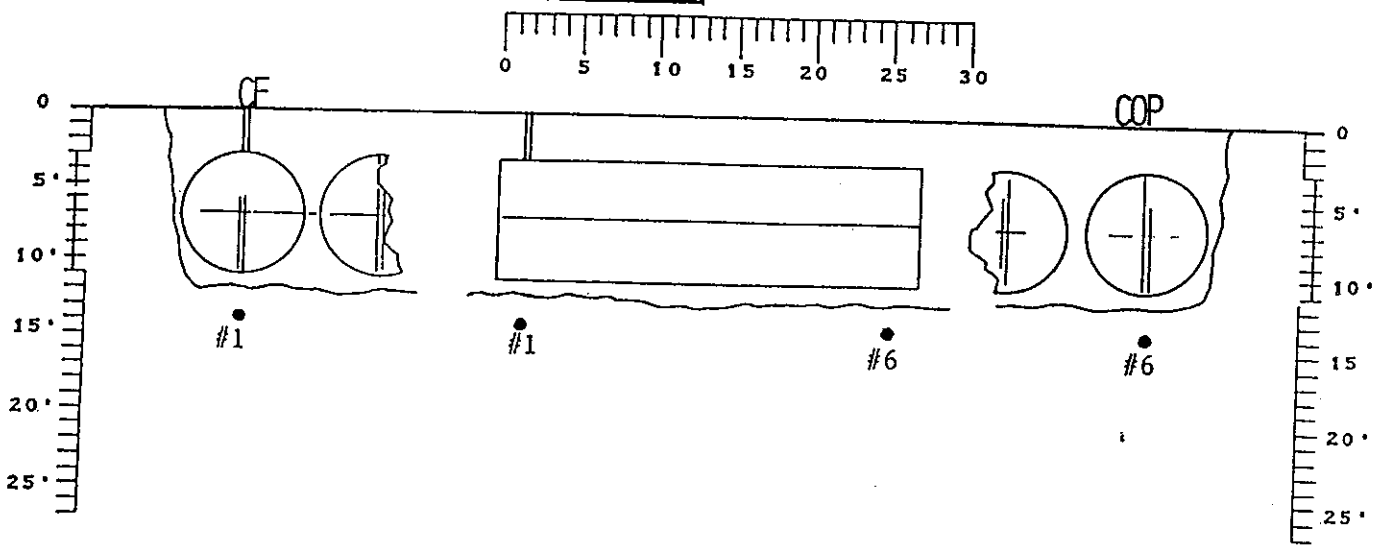


TSR PROJECTION

INSPECTION OF THE TANK FOLLOWING REMOVAL FOUND

□ HOLES IN THE LOCATIONS DEPICTED ON THE TSR PROJECTION

■ NO HOLES



ANALYTICAL RESULTS
IN PARTS PER MILLION -- PPM

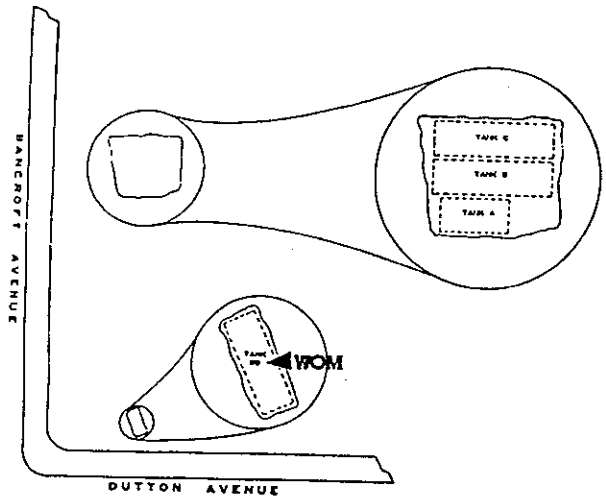
I.D. GIVEN THIS SAMPLE AREA	SAMPLE DEPTH IN FT. BELOW GRADE	SAMPLING LOCATION DICTATED BY	TYPE & METHOD FOR THE SAMPLE OBTAINED	SAMPLE MATRIX	DATE SAMPLED	BTS CHAIN OF CUSTODY I.D.	BTS SAMPLE I.D.	NAME OF DOHS RMTL LABORATORY	LABORATORY SAMPLE I.D.	TPH AS GAS	BEN-ZENE	TOL-UENE	ETHYL BEN-ZENE	XY-LENES
CF	14.0	STANDARD	INTRFACE	SOIL	8/8/88	88221-M-1	#1	ANAMETRIX	8808060-01	ND	ND	ND	ND	ND
Cop	14.0	STANDARD	INTRFACE	SOIL	8/8/88	88221-M-1	#6	ANAMETRIX	8808060-06	ND	ND	ND	ND	ND

BLAINE
TECH SERVICES

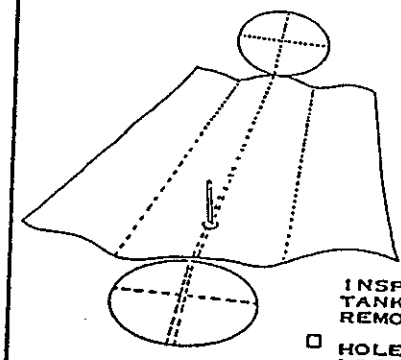
UNDERGROUND STORAGE TANK
REMOVAL AND SAMPLING LOG

TANK
WO

TANK WO 1,000 GALLON WASTE OIL TANK
STEEL CONSTRUCTION



SITE DIAGRAM

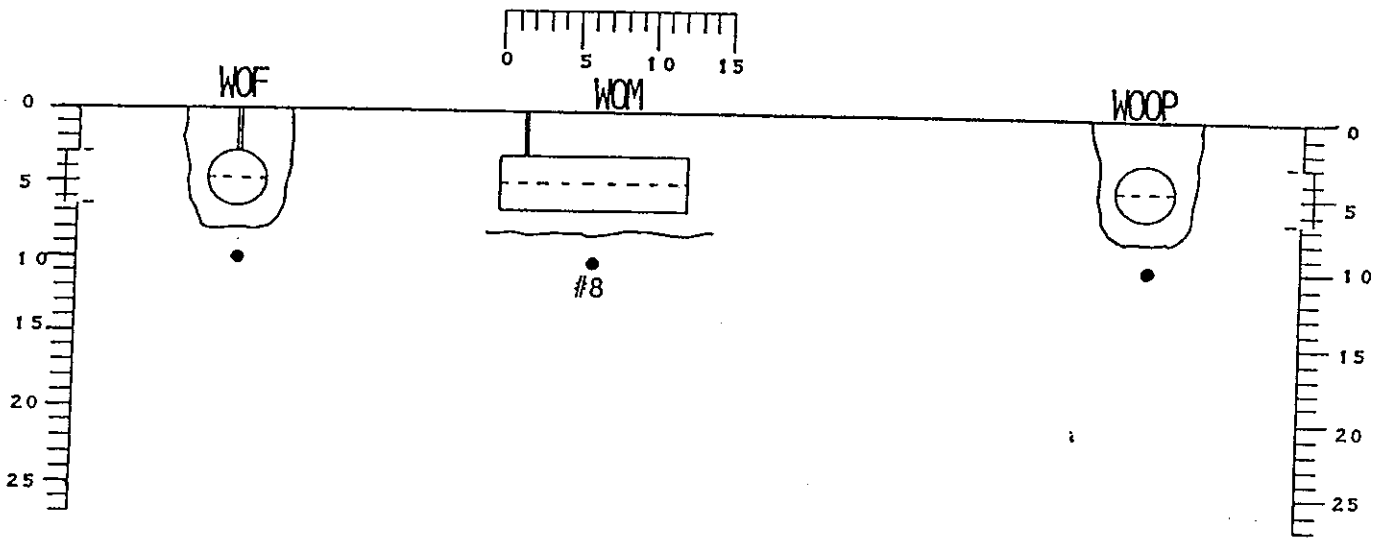


TSR PROJECTION

INSPECTION OF THE TANK FOLLOWING REMOVAL FOUND

□ HOLES IN THE LOCATIONS DEPICTED ON THE TSR PROJECTION

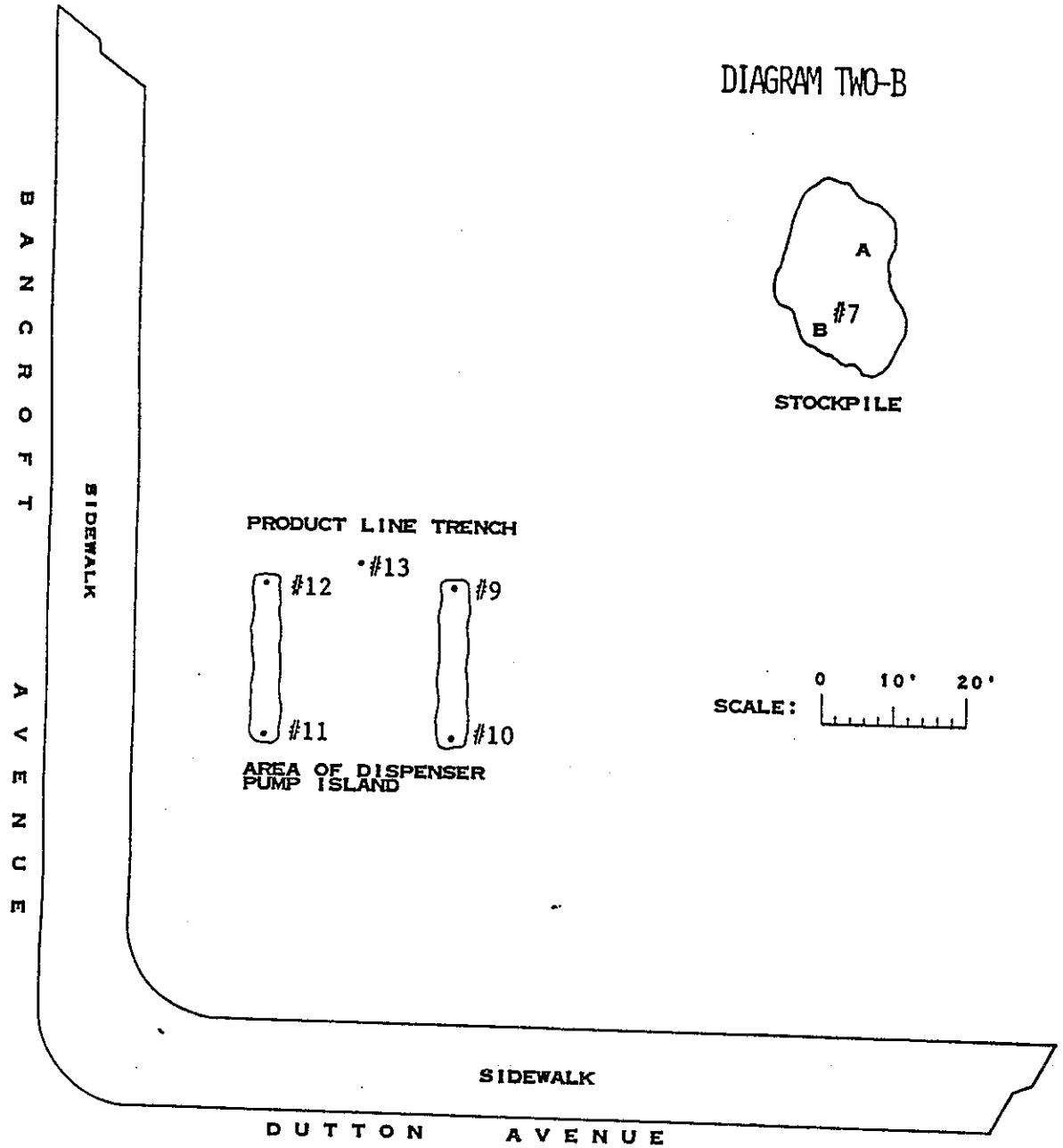
■ NO HOLES



I.D. GIVEN THIS SAMPLE AREA	SAMPLE DEPTH IN FT. BELOW GRADE	SAMPLING LOCATION DICTATED BY	TYPE & METHOD FOR THE SAMPLE OBTAINED	SAMPLE MATRIX	DATE SAMPLED	BTS CHAIN OF CUSTODY I.D.	BTS SAMPLE I.D.	NAME OF DOHS EHTL LABORATORY	LABORATORY SAMPLE I.D.	ANALYTICAL RESULTS (PARTS PER BILLION) PPM TPH-HBF DIESEL	PPM TOTAL OIL & GREASE	PPB EPA 8010 COMPOUNDS	PPB EPA 8020 COMPOUNDS
WoM	10.0	STANDARD	INTERFACE	SOIL	8/8/88	88221-M-1	#8	ANAMETRIX	8808060-08	ND	ND		ND

DIAGRAM TWO-B

MAP REF: THOMAS BROS.
ALAMEDA COUNTY
P.25 C-4



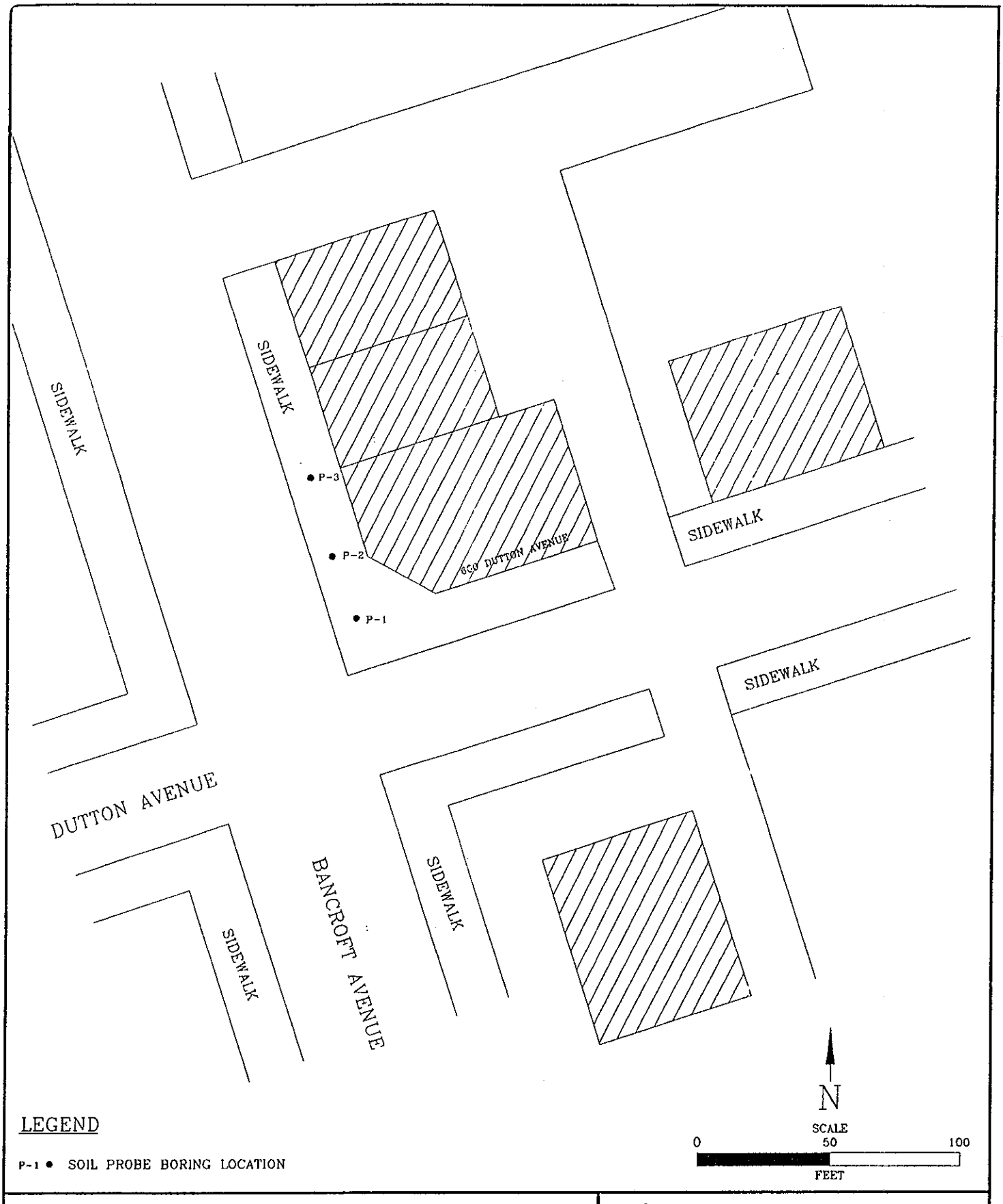
SAMPLING PERFORMED BY MARGO MACKEY
DIAGRAMS PREPARED BY DARICE POLO

TABLE OF SAMPLING LOCATIONS AND ANALYTICAL RESULTS

I.D. GIVEN THIS SAMPLE AREA	SAMPLE DEPTH IN FT. BELOW GRADE	SAMPLING LOCATION DICTATED BY	TYPE & METHOD FOR THE SAMPLE OBTAINED	SAMPLE MATRIX	DATE SAMPLED	BTS CHAIN OF CUSTODY I.D.	BTS SAMPLE I.D.	NAME OF DOHS HMTL LABORATORY	LABORATORY SAMPLE I.D.	ANALYTICAL RESULTS IN PARTS PER MILLION -- PPM TPH AS GAS	BEN-ZENE	TOL-UENE	ETHYL BEN-ZENE	XY-LENES
AF	14.0	STANDARD	INTRFACE	SOIL	8/8/88	88221-M-1	#3	ANAMETRIX	8808060-03	ND	ND	ND	ND	ND
Aop	14.0	STANDARD	INTRFACE	SOIL	8/8/88	88221-M-1	#4	ANAMETRIX	8808060-04	ND	ND	ND	ND	ND
BF	14.0	STANDARD	INTRFACE	SOIL	8/8/88	88221-M-1	#2	ANAMETRIX	8808060-02	ND	ND	ND	ND	ND
Bop	14.0	STANDARD	INTRFACE	SOIL	8/8/88	88221-M-1	#5	ANAMETRIX	8808060-05	ND	ND	ND	ND	ND
CF	14.0	STANDARD	INTRFACE	SOIL	8/8/88	88221-M-1	#1	ANAMETRIX	8808060-01	ND	ND	ND	ND	ND
Cop	14.0	STANDARD	INTRFACE	SOIL	8/8/88	88221-M-1	#6	ANAMETRIX	8808060-06	ND	ND	ND	ND	ND
PRODUCT LINE TRENCH														
PLT	5.0	STANDARD	INTRFACE	SOIL	8/8/88	88221-M-1	#13	ANAMETRIX	8808060-13	ND	ND	ND	ND	ND
DISPENSER PUMP AREA														
DPA	5.0	STANDARD	INTRFACE	SOIL	8/8/88	88221-M-1	#9	ANAMETRIX	8808060-09	ND	ND	ND	ND	ND
DPA	5.0	STANDARD	INTRFACE	SOIL	8/8/88	88221-M-1	#10	ANAMETRIX	8808060-10	ND	ND	ND	ND	ND
DPA	5.0	STANDARD	INTRFACE	SOIL	8/8/88	88221-M-1	#12	ANAMETRIX	8808060-12	ND	ND	ND	ND	ND
DPA	5.0	STANDARD	INTRFACE	SOIL	8/8/88	88221-M-1	#11	ANAMETRIX	8808060-11	ND	ND	ND	ND	ND
STOCK	12"	SURVEY	BAAQMD MODIFD	SOIL	8/8/88	88221-M-1	#7A,B	ANAMETRIX	8808060-07	ND	ND	ND	ND	ND

TABLE OF SAMPLING LOCATIONS AND ANALYTICAL RESULTS

I.D. GIVEN THIS SAMPLE AREA	SAMPLE DEPTH IN FT. BELOW GRADE	SAMPLING LOCATION DICTATED BY	TYPE & METHOD FOR THE SAMPLE OBTAINED	SAMPLE MATRIX	DATE SAMPLED	BTS CHAIN OF CUSTODY I.D.	BTS SAMPLE I.D.	NAME OF DOHS ENTL LABORATORY	LABORATORY SAMPLE I.D.	ANALYTICAL RESULTS PPM TPH-HHF DIESEL	PPM TOTAL OIL & GREASE	(PARTS PER BILLION) PPB EPA 8240 COMPOUNDS
WoH	10.0	STANDARD	INTRFACE	SOIL	8/8/88	88221-M-1	#8	ANAMETRIX	8808060-08	ND	ND	ND



LEGEND

P-1 ● SOIL PROBE BORING LOCATION

SITE PLAN
UNION SAFE DEPOSIT BANK
600 DUTTON AVENUE
SAN LEANDRO, CALIFORNIA

Advanced GeoEnvironmental, Inc.
of Northern California

PROJECT NO. AGE-NC-96-0279	FILE: 0279/FIG2	FIGURE: 3
DATE: 04 DECEMBER 1996	DRAWN BY: MAC	

TABLE 1

ANALYTICAL RESULTS OF SOIL PROBE BORING SAMPLES
21 November 1996
600 Dutton Avenue
San Leandro, California
(mg/kg)

Sample I.D.	TPH as gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE
P1-5	<1	<0.005	**0.009**	<0.005	**0.015**	<0.05
P1-15	<1	<0.005	<0.005	<0.005	<0.005	<0.05
P2-10	**2.1**	<0.005	**0.011**	**0.008**	**0.015**	<0.05
P2-20	<1	<0.005	<0.005	<0.005	<0.005	<0.05
P3-10	<1	<0.005	<0.005	<0.005	<0.005	<0.05
P3-20	<1	<0.005	<0.005	<0.005	<0.005	<0.05

mg/kg = micrograms per kilogram, equivalent to parts per million, ppm
MTBE = methyl tertiary butyl ether

Project:	Union Safe Deposit Bank	Project No.:	AGE-NC-96-0279
Site Address:	600 Dutton Avenue San Leandro California	Total Depth:	35.0
		Date:	21 November 1996
Drilling Co.:	Enviroprobe, Inc.	Logged by:	T.Cuellar
Rig/Auger Type:	GEO-PROBE (5400)	Reviewed by:	J. Ong

BORING NO.: **P1**

Page 1 of 1

Depth (feet)	Sample ID	OVA Reading (ppm)	Blow Counts (per 6")	USCS Class	Graphic Log	Lithologic Description
				SP		SAND, fine-grained, loose, dark brown
	P1@5	0.0	--			
10	P1@10	1.0	--			
				CL		CLAY, silty, dense, plastic, brown, moist
	P1@15	0.0	--			
				ML		SILT, sandy, fine-grained, moist, brown
20	P1@20	0.0	--			
30						
40						

BOTTOM OF BORING EQUAL TO 35 FEET. SCREEN FOR GRAB GROUND WATER SAMPLE SET AT 31' TO 35' BSG. BORING BACKFILLED WITH PORTLAND TYPE Ii CEMENT.

Advanced
GeoEnvironmental, Inc.

C:\AMIPRO\DOCS\DUTTONP1.SAM 12/09/96 @ 11:48 AM

Project:	Union Safe Deposit Bank	Project No.:	AGE-NC-96-0279	BORING NO.: **P2**
Site Address:	600 Dutton Avenue San Leandro California	Total Depth:	35.0	
		Date:	21 November 1996	
Drilling Co.:	Enviroprobe, Inc.	Logged by:	T.Cuellar	Page 1 of 1
Rig/Auger Type:	GEO-PROBE (5400)	Reviewed by:	J. Ong	

Depth (feet)	Sample ID	OVA Reading (ppm)	Blow Counts (per 6")	USCS Class	Graphic Log	Lithologic Description
				SP		SAND, fine-grained, loose, dark brown
	P2@5	0.0	--			
10	P2@10	0.0	--			
				CL		CLAY, silty, dense, plastic, brown, moist
	P2@15	0.0	--			
20	P2@20	0.0	--			
30						
40						BOTTOM OF BORING EQUAL TO 35 FEET. SCREEN FOR GRAB GROUND WATER SAMPLE SET AT 31' TO 35' BSG. BORING BACKFILLED WITH PORTLAND TYPE Ii CEMENT.

Advanced
GeoEnvironmental, Inc.

C:\AMIPRO\DOCS\DUTTONP2.SAM 12/09/96 @ 11:52 AM

Project:	Union Safe Deposit Bank	Project No.:	AGE-NC-96-0279	BORING NO.: P3
Site Address:	600 Dutton Avenue San Leandro California	Total Depth:	35.0	
		Date:	21 November 1996	
Drilling Co.:	Enviroprobe, Inc.	Logged by:	T.Cuellar	Page 1 of 1
Rig/Auger Type:	GEO-PROBE (5400)	Reviewed by:	J. Ong	

Depth (feet)	Sample ID	OVA Reading (ppm)	Blow Counts (per 6")	USCS Class	Graphic Log	Lithologic Description
				ML/SM		SILT/SAND, fine-grained, stiff, med. dense, brown
	P3@5	0.0	--			
10	P3@10	0.0	--			
				CL		CLAY, silty, dense, plastic, brown, moist
	P3@15	0.0	--			
20	P3@20	0.0	--			
30						
40						

BOTTOM OF BORING EQUAL TO 35 FEET. SCREEN FOR GRAB GROUND WATER SAMPLE SET AT 31' TO 35' BSG. BORING BACKFILLED WITH PORTLAND TYPE Ii CEMENT.

Advanced
GeoEnvironmental, Inc.

C:\AMIPRO\DOCS\DUTTONP3.SAM 12/09/96 @ 12:13 PM