

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

February 2, 1999

ENVIRONMENTAL HEALTH SERVICES

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

Mr. Philip Briggs
Chevron Products
6001 Bollinger Canyon Road
Building L, Room 1110
P.O. Box 6004
San Ramon, CA 94583-0904

Re: Chevron, 900 Otis Drive, Alameda, CA 94501

Dear Mr. Crinnion:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37[h]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Environmental Protection Division is required to 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 the subject site. The subject fuel leak case is closed.

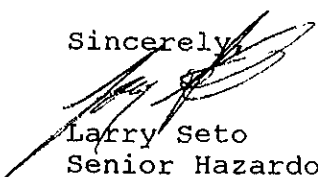
SITE INVESTIGATION AND CLEANUP SUMMARY

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

o Groundwater samples from the most recent sampling (9-16-98) contained 160 ppb TPH(Gas) and 0.50 ppb benzene.

If you have any questions, please contact me at (510)567-6774. Thank you.

Sincerely,


Larry Seto
Senior Hazardous Materials Specialist

Cc: Chief, Hazardous Materials Division - files
Larry Seto, Environmental Health
Captain Steve McKinley, City of Alameda Fire Department
Chuck Headlee, RWQCB
Dave Deaner, SWRCB (w/case closure summary)
Files

Enclosures:

1. Case Closure Letter
2. Case Closure Summary

ALAMEDA COUNTY
HEALTH CARE SERVICES

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ENVIRONMENTAL HEALTH SERVICES
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
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REMEDIAL ACTION COMPLETION CERTIFICATION

February 2, 1999

Mr. Philip Briggs
Chevron Products
6001 Bollinger Canyon Road
Building L, Room 1110
P.O. Box 6004
San Ramon, CA 94583-0904

RE: Chevron, 900 Otis Drive, Alameda, CA 94501

Dear Mr. Crinnion:

This letter confirms the completion of a site investigation and remedial action for the underground storage tanks 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 of Environmental Health Services

cc: Chief, Hazardous Materials Division - files
Larry Seto, ACDEH
Chuck Headlee, RWQCB
Dave Deaner, SWRCB (w/ Case Closure Summary)
Captain Steve McKinley, City of Alameda Fire Department

File # 01-0388

ENVIRONMENTAL
PROTECTION

98 OCT 14 PM 3:55

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: March 2, 1998

Agency name: **Alameda County-HazMat**
City/State/Zip: **Alameda, CA 94502**
Responsible staff person: **Larry Seto**

Address: **1131 Harbor Bay Pkwy.**
Phone: **(510) 567-6774**
Title: **Senior HMS**

II. CASE INFORMATION

Site facility name: **Chevron**

Site facility address: **900 Otis Drive, Alameda, CA 94501**

RB LUSTIS Case No: Local Case No./LOP **598**

URF filing date: **8-23-90**

SWEEPS No: **N/A**

Responsible Parties:

Addresses:

Phone Numbers:

Chevron U.S.A.
Contact: Phil Briggs

P.O. Box 6004
San Ramon, CA 94583-0904

(510) 842-9500

<u>Tank No</u>	<u>Size in Gallons</u>	<u>Contents:</u>	<u>Closed in-place or Removed?</u>	<u>Date:</u>
	7,500	Reg. Unleaded	Removed	5-18-93
	7,000	Sup. Unleaded	Removed	5-18-93
	3,000	Unleaded Plus	Removed	5-18-93
	550	Waste Oil	Removed	5-18-93

Note: two hydraulic hoists and one pump were also removed

Leaking Underground Fuel Storage Tank Program

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: Unknown, most likely from a spill or overfill

Monitoring Wells installed? Yes Number: 6

Site characterization complete? Yes

Date approved by oversight agency:

Proper screened interval? Yes

Highest GW depth below ground surface: 2' Lowest depth: 5'

Flow direction: Inferred to be to the southwest

Most sensitive current use: Adjoining properties are both residential and commercial

Are drinking water wells affected? Unknown Aquifer Name:

Is surface water affected? No Nearest affected SW name: ---

Off-site beneficial use impacts (addresses/locations): Unknown

Report(s) on file? Yes Where is report(s) filed? **Alameda County
1131 Harbor Bay Pkwy.
Alameda, CA 94502**

Leaking Underground Fuel Storage Tank Program

Treatment and Disposal of Affected Material:

<u>Material</u>	<u>Amount (include units)</u>	<u>Action (Treatment or Disposal /destination)</u>	<u>Date</u>
Underground tank	7,500 gallon	Erickson Inc., Richmond, CA	5-18-93
Underground tank	7,000 gallon	Erickson Inc., Richmond, CA	5-18-93
Underground tank	3,000 gallon	Erickson Inc., Richmond, CA	5-18-93
Underground tank	550 gallon	Erickson Inc., Richmond, CA	5-18-93
Soil/hydrocarbons	40 Cu. Yd.	Redwood Landfill Novato, CA	6-1-94

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

<u>Contaminant</u>	<u>Soil (ppm)</u>		<u>Water (ppb)</u>	
	<u>Before¹</u>	<u>After³</u>	<u>Before²</u>	<u>After⁴</u>
TPH(Gas)	31000	1.0	10,000	160
TPH(Diesel)	25 ⁵	39 ⁶	NA	NA
Benzene	200	0.097	560	0.50
Toluene	1600	0.15	230	<0.50
Ethylbenzene	480	0.075	720	<0.50
Xylene	3100	0.098	1000	<0.50
MTBE	NA	NA	NA	<2.50
Lead	6.0	NA	NA	NA
Cd	ND	NA	NA	NA
Cr	24	NA	NA	NA
Ni	22	NA	NA	NA
Zn	26	NA	NA	NA

⁵

⁶

Leaking Underground Fuel Storage Tank Program

NA – Not Analyzed

ND - Non-Detect

1 – Samples taken during tank excavation. The highest concentrations were found in the samples collected from locations (P3-3)

2 – Samples taken from monitoring well located in underground tank excavation during removal

3 - Samples taken after over excavation – confirmatory soil samples

4 – Most recent quarterly monitoring well sampling, 9-16-97

5 – Diesel found in the sample collected during pump & hoist removal (pit)

6 – Sample from stockpile

Comments (Depth of Remediation, etc.): See “Additional Comments” section.

The initial samples for the underground storage tank, hoist and sump removal were collected at 5’ depth, and the piping removal samples were collected at 2’ to 3’ depth.

IV. CLOSURE

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

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

Does corrective action protect public health for current land use? Yes

Site management requirements: None

Should corrective action be reviewed if land use changes? No

List enforcement actions taken: None

List enforcement actions rescinded: None

Leaking Underground Fuel Storage Tank Program

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Larry Seto

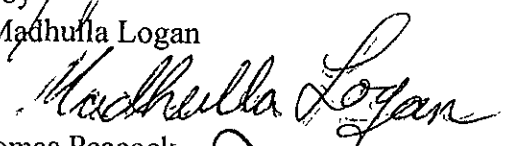
Signature: 

Title: Senior HMS

Date: 3-3-98

Reviewed by


Name: Madhulla Logan

Signature: 

Title: Hazardous Materials Specialist

Date: 3/3/98

Name: Thomas Peacock

Signature: 

Title: Supervising HMS

Date: 3-13-98

VI. RWQCB NOTIFICATION

Date Submitted to RB: 9/9/98

RWQCB Staff Name: Chuck Headlee

RB Response: 9/9/98 

Title: ~~Sen. Engineering Asso.~~ Date: 9/9/98
Engineering Geologist

VII. ADDITIONAL COMMENTS, DATA, ETC.

In July 1989, as part of the first phase of investigation conducted on site, 13 shallow borings were drilled, and four soil samples were selected for analysis. The results indicated localized areas of subsurface hydrocarbon contamination near the pump islands, near the south end of the fuel-piping trench and in the western edge of the tank pit. Up to 6100 ppm of gasoline and 22 ppm of benzene was found in the soil samples.

In the second phase of site investigation conducted in October 1989, seven soil borings SB-14 to SB-20 were drilled to the west of the underground storage tank pit to assess the extent of hydrocarbon contamination. Based on PID readings, three soil samples were collected. Three groundwater samples (WP-1 to WP-3) were collected. The results indicated that the soil contamination emanating from the underground storage tank pit, Extends to about 3 to 4 feet west of the property line. The maximum concentrations of benzene found in the soil and groundwater samples were 1 ppm and 1 ppb respectively.

In May 1993, during tank removal activities, 2 samples were collected from each of the three underground storage tanks, one sample from the waste oil tank excavation, and one sample from the hoist and sump removal excavation. Gasoline and benzene were detected up to 7400 ppm and 3.1 ppm respectively in the samples from the underground storage tank excavation. The highest concentrations of benzene and gasoline were observed in the soil samples obtained from the pump island. Up to 31,000ppm of gasoline and 220 ppm of benzene were detected. No gasoline, diesel, oil and grease or BTEX were detected in samples collected from the waste oil tank excavation. Up to 1400 ppm of gasoline and 25 ppm of diesel was found during the removal of the hoist

Leaking Underground Fuel Storage Tank Program

and sump. A water sample collected from the monitoring well located in the excavation pit was found to contain 10,000 ppb of gasoline and 560 ppb of benzene.

Approximately 1100 cubic yards of soil was excavated from the former tank and pump island , and was aerated on site. Approximately 40 cubic yards of soil from the waste oil tank, hoist and sump areas were excavated and disposed of at Redwood Landfill in Novato, CA. Based on the results of samples collected from the aerated soil, it was approved to be used as backfill material.

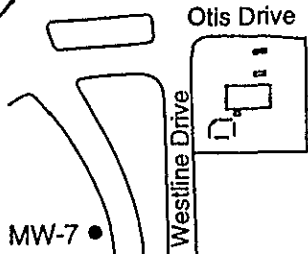
Subsequent to over excavation, confirmatory soil samples were collected from the underground storage tank excavation and pump island areas. Groundwater was observed at five feet below ground surface. Based on the laboratory results, the concentrations of petroleum hydrocarbons was significantly less in the confirmatory soil samples.

Six monitoring wells, MW-2 to MW-7 were installed in January 1996. There was no gasoline or BTEX detected in any of the soil samples. The monitoring wells have been sampled for the past seven quarters since June 1996. The groundwater direction has been mostly to the northwest. Based on the monitoring results, petroleum hydrocarbons have been identified only in monitoring well, MW-3, which is downgradient to the former underground storage tank area. None of the other downgradient wells; MW-2 and MW-5 have been found to contain petroleum hydrocarbons.

In summary, this office is recommending that this case be closed for the following reasons:

- 1) The site has been adequately characterized
- 2) The source (tank, piping, pump island, etc.) has been removed. Also contaminated soils were excavated during tank removal.
- 3) The petroleum hydrocarbons found in monitoring well, MW-3 is localized and has not migrated further in the downgradient direction.
- 4) Based on the concentrations found in the monitoring wells, the site presents no risk to human health. This decision was made by comparing the concentrations found in monitoring well MW-3 to the Tier 1 RBCA look-up numbers (risk based screening levels)

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

WELL NO. MW-7
PAGE 1 OF 1

PROJECT NO. 320-122.1A
 LOGGED BY: DA
 DRILLER: MDE
 DRILLING METHOD: HSA
 SAMPLING METHOD: CALMOD
 CASING TYPE: SCH 40 PVC
 SLOT SIZE: 0.020"
 SAND PACK: 2 X 12 SAND

CLIENT: CHEVRON
 DATE DRILLED: 1-29-96
 LOCATION: 900 Otis Drive
 HOLE DIAMETER: 8"
 HOLE DEPTH: 17.5'
 WELL DIAMETER: 2"
 WELL DEPTH: 17'
 CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS	
	Wt	0	50	2			SP	ASPHALT	
	Wt	0	>63	4			SC	SAND: light brown; 10% clay; trace silt; 90% fine sand; abundant shell fragments; medium dense; no product odor.	
	Sat			6			SP	CLAYEY SAND: brown iron oxide staining; organic mottling; abundant shells; 85% clay; 65% fine sand; medium dense; no product odor.	
	Sat	0	50	8				SAND: as above.	
	Sat	0	50	10				@10': as above; dense; no product odor.	
	Sat	0	50	16				@15': dark gray; 90% fine sand; 120% medium sand; small shells medium dense; no product odor.	
					18				
					20				
					22				
					24				
					26				
					28				
					30				
					32				
					34				
					36				
					38				
				40					
				42					
				44					

BOTTOM OF BORING AT 17'

LOCATION MAP

MW-6

Otis Drive

Westline Drive



PACIFIC ENVIRONMENTAL GROUP, INC.

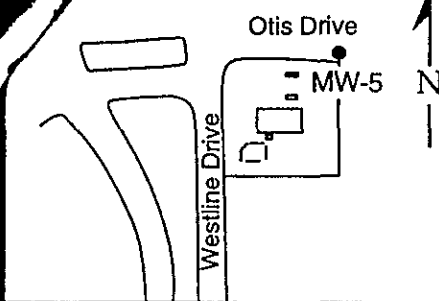
WELL NO. MW-6
PAGE 1 OF 1

PROJECT NO. 320-122.1A
 LOGGED BY: DA
 DRILLER: MDE
 DRILLING METHOD: HSA
 SAMPLING METHOD: CALMOD
 CASING TYPE: SCH 40 PVC
 SLOT SIZE: 0.020"
 SAND PACK: 2 X 12 SAND

CLIENT: CHEVRON
 DATE DRILLED: 1-29-96
 LOCATION: 900 Otis Drive
 HOLE DIAMETER: 8"
 HOLE DEPTH: 17'
 WELL DIAMETER: 2"
 WELL DEPTH: 17'
 CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS	
	Wt	0	49	2			SP	ASPHALT: fill.	
	Sat	0	40	4				SAND: light brown; trace silt; 85% fine sand; 15% medium sand; medium dense; no product odor.	
					6			@5': as above; no product odor.	
					8				
	Sat	0	53	10				@10': as above; 95% fine sand; trace silt; 5% medium sand; medium dense; no product odor.	
					12				
					14				
	Sat	0	40	16				SC	@15.5': as above; no product odor. CLAYEY SAND: dark gray; 10% clay; 5% silt; 85% fine sand; trace medium sand; medium dense; no product odor.
					18				
					20				
					22				
					24				
					26				
					28				
					30				
					32				
					34				
				36					
				38					
				40					
				42					
				44					

BOTTOM OF BORING AT 17'

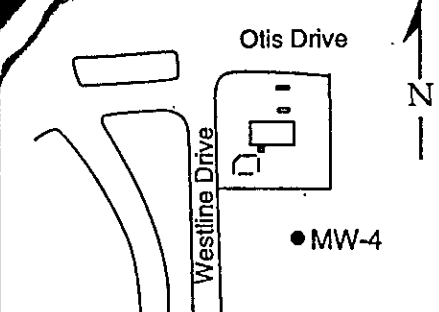


PROJECT NO. 320-122.1A
 LOGGED BY: DA
 DRILLER: MDE
 DRILLING METHOD: HSA
 SAMPLING METHOD: CALMOD
 CASING TYPE: SCH 40 PVC
 SLOT SIZE: 0.020"
 SAND PACK: 2 X 12 SAND

CLIENT: CHEVRON
 DATE DRILLED: 1-29-96
 LOCATION: 900 Otis Drive
 HOLE DIAMETER: 8"
 HOLE DEPTH: 17'
 WELL DIAMETER: 2"
 WELL DEPTH: 17'
 CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
SAND GROUT BENTONITE	Wt	0	50	2			SP	ASPHALT
	Sat	0	50	4				SAND: light yellowish brown; trace silt; 95% fine sand; 5% medium to coarse sand; dense; no product odor.
SAND GROUT BENTONITE	Sat	0	50	6				@5': as above; 80% fine to medium sand; 10% medium to coarse sand; 10% fine subrounded gravel; dense; no product odor.
	Sat	0	50	10				@10': as above; no product odor.
SAND GROUT BENTONITE	Sat	0	62	16			SC	CLAYEY SAND: dark olive gray; 15% clay; 5% silt; 80% fine sand; trace medium sand; medium dense; no product odor; organic odor.
				18				BOTTOM OF BORING AT 17'

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

WELL NO. MW-4
PAGE 1 OF 1

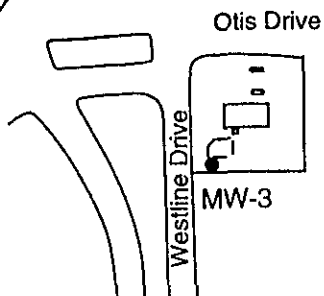
PROJECT NO. 320-122.1A
 LOGGED BY: DA
 DRILLER: MDE
 DRILLING METHOD: HSA
 SAMPLING METHOD: CALMOD
 CASING TYPE: SCH 40 PVC
 SLOT SIZE: 0.020"
 SAND PACK: 2 X 12 SAND

CLIENT: CHEVRON
 DATE DRILLED: 1-29-96
 LOCATION: 900 Otis Drive
 HOLE DIAMETER: 8"
 HOLE DEPTH: 17'
 WELL DIAMETER: 2"
 WELL DEPTH: 17'
 CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
	Wt-Sat	0	50	2			SP	ASPHALT
	Sat	0	>63	4				SAND: light yellowish brown; trace fines; 95% fine sand; 5% medium to coarse sand; medium dense; no product odor.
				6				@5': as above; trace shells; no product odor.
	Sat	0	50	10				@10': as above; no product odor.
				12				
				14				
	Sat	0	37	16				@15': as above; 10% clay; 90% sand; medium dense; no product odor.
				18				
				20				
				22				
				24				
				26				
				28				
				30				
				32				
				34				
				36				
				38				
				40				
				42				
				44				

BOTTOM OF BORING AT 17'

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

WELL NO. MW-3
PAGE 1 OF 1

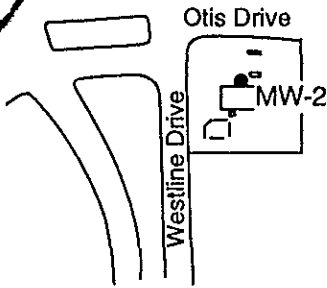
PROJECT NO. 320-122.1A
 LOGGED BY: DA
 DRILLER: MDE
 DRILLING METHOD: HSA
 SAMPLING METHOD: CALMOD
 CASING TYPE: SCH 40 PVC
 SLOT SIZE: 0.020"
 SAND PACK: 2 X 12 SAND

CLIENT: CHEVRON
 DATE DRILLED: 1-29-96
 LOCATION: 900 Otis Drive
 HOLE DIAMETER: 8"
 HOLE DEPTH: 16'
 WELL DIAMETER: 2"
 WELL DEPTH: 15.5'
 CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS	
		0		2			SP	SAND: light yellowish brown; trace fines; 85% fine sand; 10% medium sand; 5% fine subrounded gravel; medium dense; no product odor.	
	Sat	3		4				@5': as above; medium dense; no to faint product odor.	
	Sat	10		6				@10': as above; 95% fine sand; 5% medium to coarse sand; trace fine rounded gravel; medium dense; faint product odor.	
	Sat	13	8	8				@15': as above; 75% fine sand; trace medium to coarse sand; 25% fine to medium subrounded gravel; dense; faint product odor.	
					10				CLAY: dark gray; 95% clay; 5% fine sand; roots; soft; organic odor; faint product odor.
					12				
					14				
					16			CL	
					18				
					20				
					22				
					24				
					26				
					28				
					30				
					32				
				34					
				36					
				38					
				40					
				42					
				44					

BOTTOM OF BORING AT 16'

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.




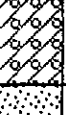


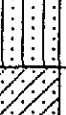







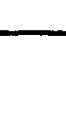
WELL NO. MW-2
PAGE 1 OF 1

PROJECT NO. 320-122.1A
 LOGGED BY: DA
 DRILLER: MDE
 DRILLING METHOD: HSA
 SAMPLING METHOD: CALMOD
 CASING TYPE: SCH 40 PVC
 SLOT SIZE: 0.020"
 SAND PACK: 2 X 12 SAND

CLIENT: CHEVRON
 DATE DRILLED: 1-29-96
 LOCATION: 900 Otis Drive
 HOLE DIAMETER: 8"
 HOLE DEPTH: 17'
 WELL DIAMETER: 2"
 WELL DEPTH: 17'
 CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
	Wt	0	>63	2			SP	SAND: light brown; trace fines; 95% fine sand; 5% medium to coarse sand; medium dense; no product odor.
	Sat	0	40	4				@5': as above; 90% fine sand; 10% fine subrounded gravel; medium dense; no product odor.
	Sat	0	38	10				@10': as above; no product odor.
	Sat	0	49	16			SC	CLAYEY SAND: dark gray; 20% clay; trace silt; 80% fine to medium sand; shell fragments; medium dense; no product odor.
				18				
				20				
				22				
				24				
				26				
				28				
				30				
				32				
				34				
				36				
				38				
				40				
				42				
				44				

BOTTOM OF BORING AT 17'

Primary Divisions		Group Symbol/Graphic		Typical Names
COARSE GRAINED SOILS more than half is larger than #200 sieve	GRAVELS half of coarse fraction larger than #4 sieve	CLEAN GRAVELS (less than 5% fines)	GW 	Well graded gravels, gravel-sand mixtures; little or no fines
			GP 	Poorly graded gravels or gravel-sand mixtures; little or no fines
		GRAVEL WITH FINES	GM 	Silty gravels, gravel-sand-silt mixtures
			GC 	Clayey gravels, gravel-sand-clay mixtures
	SANDS half of coarse fraction smaller than #4 sieve	CLEAN SANDS (less than 5% fines)	SW 	Well graded sands, gravelly sands, little or no fines
			SP 	Poorly graded sands or gravelly sands; little or no fines
		SANDS WITH FINES	SM 	Silty sands, sand-silt mixtures
			SC 	Clayey sands, sand-clay mixtures, plastic fines
FINE GRAINED SOILS more than half is smaller than #200 sieve	SILTS AND CLAYS liquid limit less than 50%	ML 	Inorganic silts and very fine sand, rock flour, silty or clayey fine sands or clayey silts, with slight plasticity	
		CL 	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays	
		OL 	Organic silts and organic silty clays of low plasticity	
	SILTS AND CLAYS liquid limit more than 50%	MH 	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts	
		CH 	Inorganic clays of high plasticity, fat clays	
		OH 	Organic clays of medium to high plasticity, organic silts	
HIGHLY ORGANIC SOILS		Pt 	Peat and other highly organic soils	



PACIFIC ENVIRONMENTAL GROUP, INC.

Unified Soil Classification System

WELL LOG KEY TO ABBREVIATIONS

Drilling Method

HSA - Hollow stem auger
CFA - Continuous flight auger
Air - Reverse air circulation

Gravel Pack

CA - Coarse aquarium sand

Sampling Method

Cal. Mod. - California modified split-spoon sampler (2" inner diameter) driven 18" by a 140-pound hammer having a 30" drop. Where penetration resistance is designated "P", sampler was instead pushed by drill rig.
Disturbed - Sample taken from drill-return materials as they surfaced.
Shelby - Shelby Tube thin-walled sampler (3" diameter), where sampler is pushed by drill-rig.

Moisture Content

Dry - Dry
Dp - Damp
Mst - Moist
Wt - Wet
Sat - Saturated

Sorting

PS - Poorly sorted
MS - Moderately sorted
WS - Well sorted

Plasticity

L - Low
M - Moderate
H - High

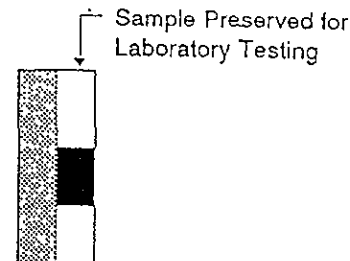
H-NU (ppm)

ND - No detection

Symbols

▽ - First encountered ground water

▼ - Static ground water level



Density (Blows/Foot - Cal Mod Sampler)

Sands and gravels

0 - 5 - Very Loose
5 - 13 - Loose
13 - 38 - Medium dense
38 - 63 - Dense
over 63 - Very dense

Silts and Clays

0 - 2 - Very Soft
2 - 4 - Soft
4 - 9 - Firm
9 - 17 - Stiff
17 - 37 - Very Stiff
37 - 72 - Hard
over 72 - Very Hard

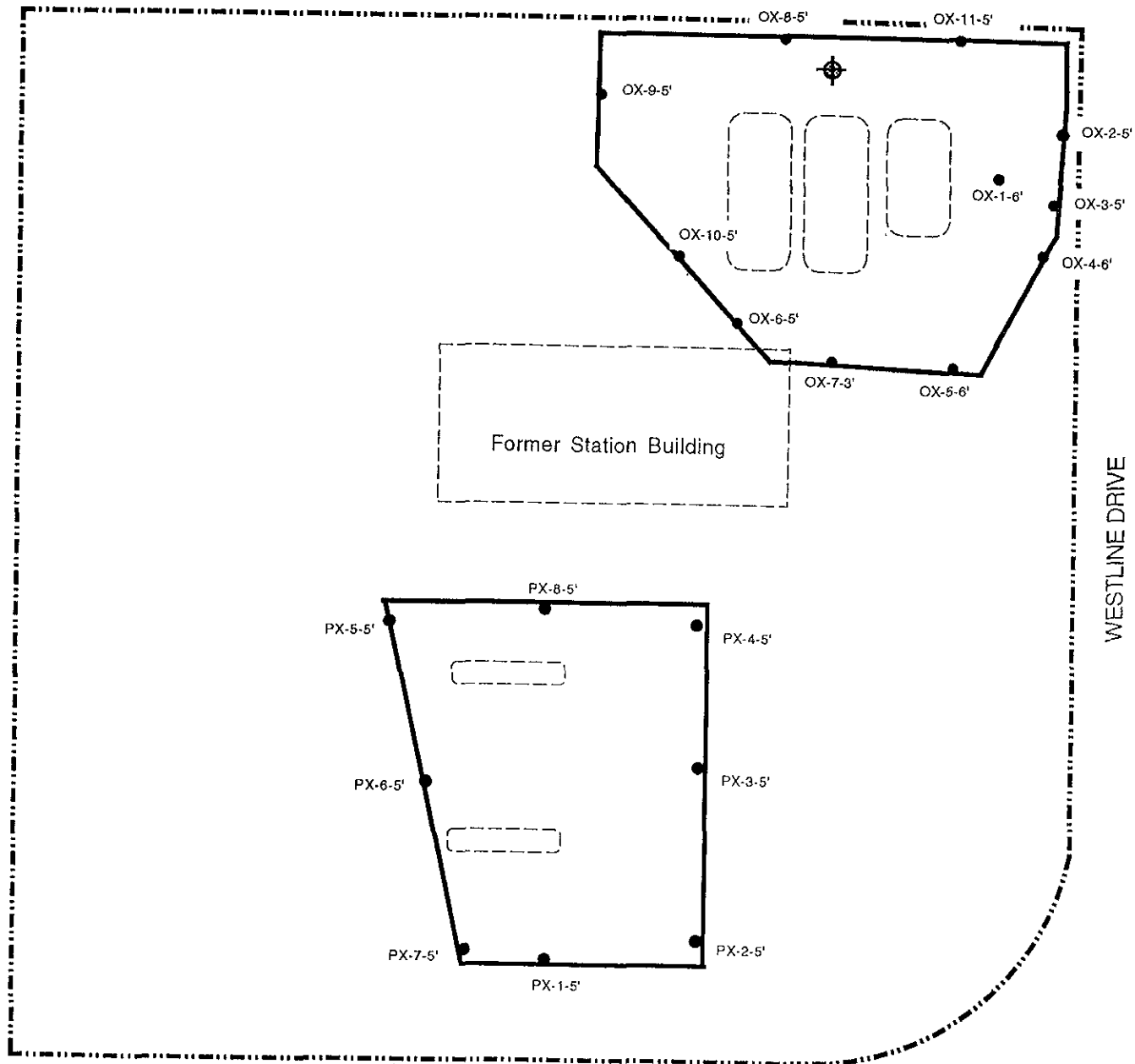
GRAIN - SIZE SCALE

GRADE LIMITS

U.S. Standard

GRADE NAME

inch	sieve size	
12.0		Boulders
3.0	3.0 in.	Cobbles
0.19	No. 4	Gravels
0.08	No. 10	coarse
	No. 40	medium
	No. 200	fine
		Silt
		Clay Size



Scale 1" = 20'

LEGEND

- SW-1-3' Approximate Sample Location
- Limits of Excavation
- ⊕ Former Monitoring Well



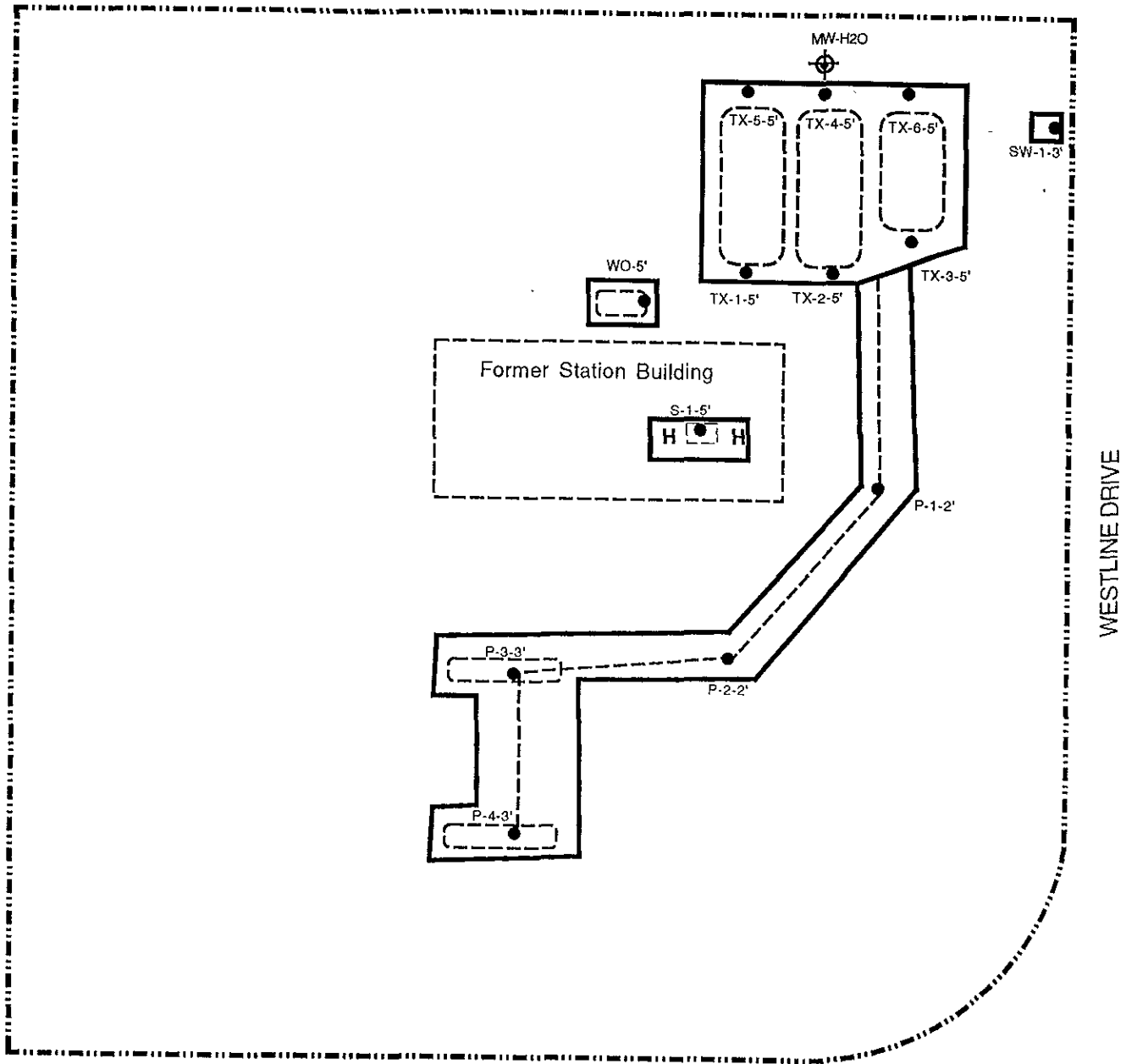
Overexcavation Limits & Sample Locations
 Former Chevron Service Station 9-0191
 900 Otis Drive
 Alameda, California

Figure 3

5-24-93

mjt

Project Number 0191-2



Scale 1" = 20'

LEGEND

- Approximate Sample Location
- Limits of Excavation
- ⊕ Monitoring Well

OTIS DRIVE

WESTLINE DRIVE



**Touchstone
Developments**
Environmental Management

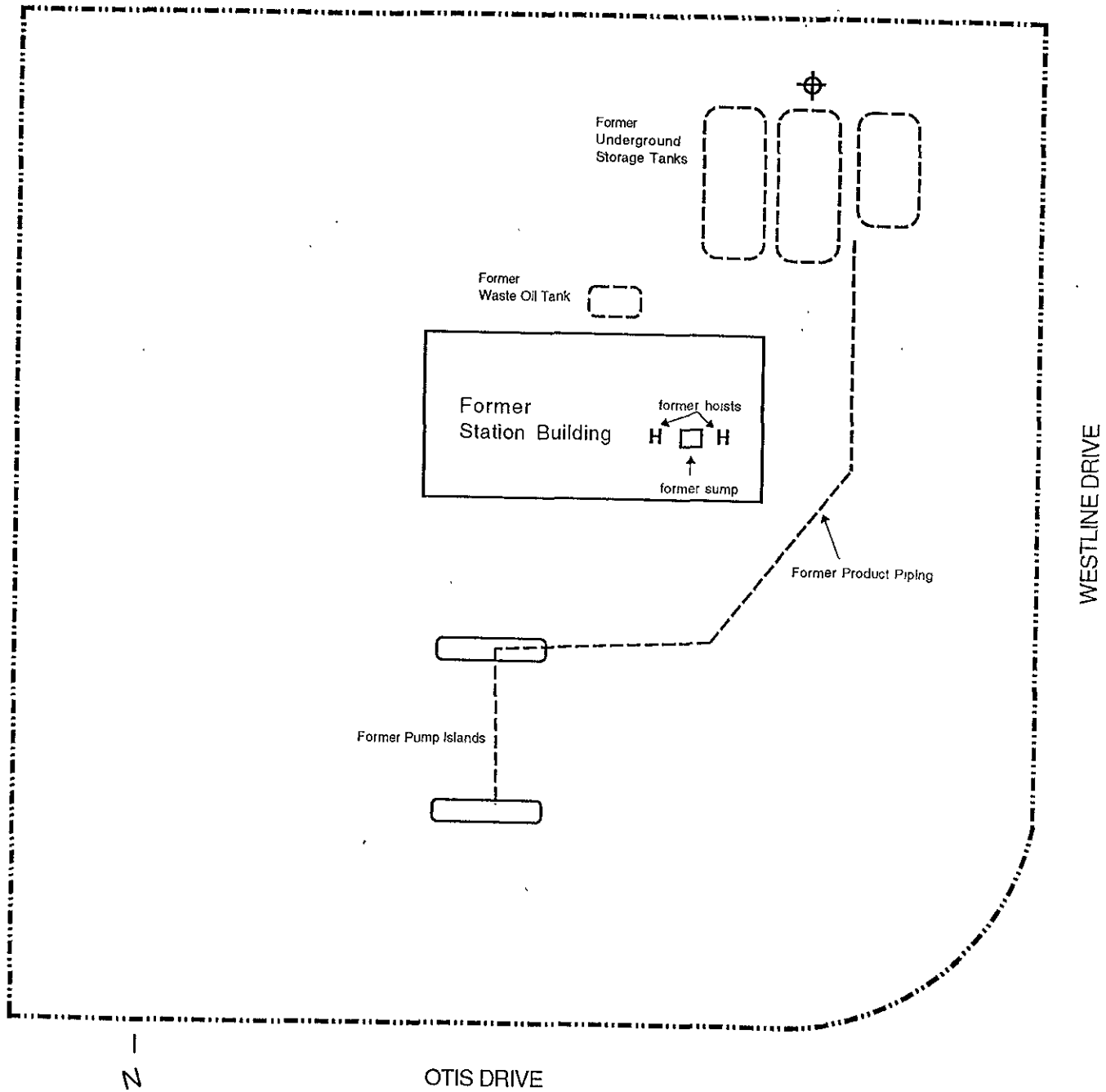
**UST, Piping, Sump & Hoist
Removal Sample Locations**
Former Chevron Service Station 9-0191
900 Otis Drive
Alameda, California

Figure 2

5-20-93

mjt

Project Number 0191-1



Scale 1" = 20'

LEGEND

⊕ Monitoring Well



Site Plan
Former Chevron Service Station 9-0191
900 Otis Drive
Alameda, California

Figure 1

5-20-93 mjt

Project Number 0191-1



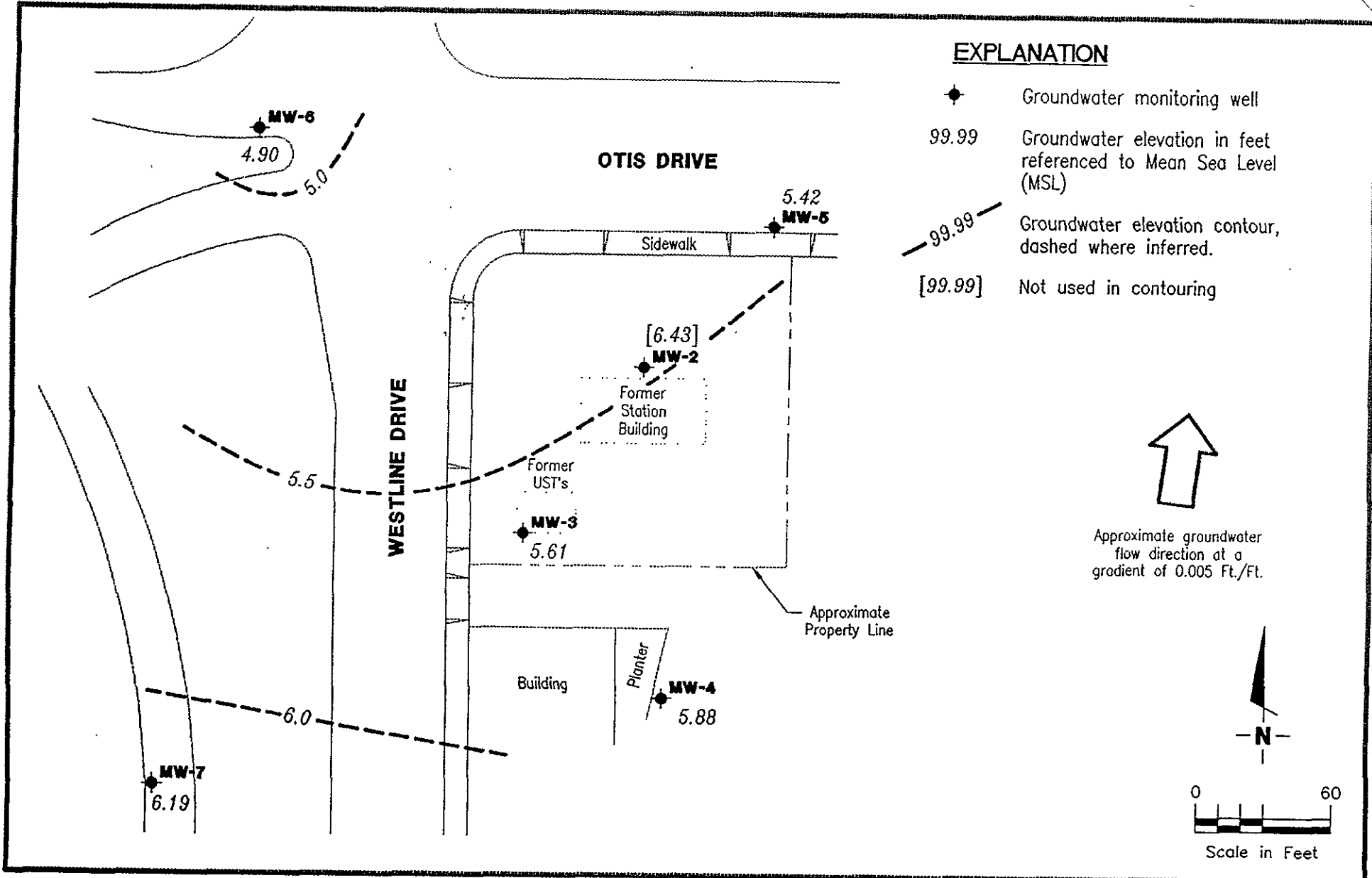
Table 1. Water Level Data and Groundwater Analytical Results - Former Chevron Service Station #9-0191, 900 Otis Drive, Alameda, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	B	T	E	X	MTBE
						←-----ppb----->				
MW-6/ 7.30	2/8/96	2.10	5.20	—	ND	ND	ND	ND	ND	—
	6/27/96	3.98	3.32	0	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	9/3/96	3.50	3.80	0	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	12/3/96	3.31	3.99	0	—	—	—	—	—	—
	3/5/97	3.15	4.15	0	—	—	—	—	—	—
	6/3/97	3.59	3.71	0	—	—	—	—	—	—
	9/16/97	5.12	2.18	0	—	—	—	—	—	—
	12/9/97	2.40	4.90	0	—	—	—	—	—	—
MW-7/ 9.58	2/8/96	3.24	6.34	—	ND	ND	ND	ND	ND	—
	6/27/96	5.07	4.51	0	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	9/3/96	5.29	4.29	0	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	12/3/96	4.95	4.63	0	—	—	—	—	—	—
	3/5/97	4.36	5.22	0	—	—	—	—	—	—
	6/3/97	5.07	4.51	0	—	—	—	—	—	—
	9/16/97	3.74	5.84	0	—	—	—	—	—	—
	12/9/97	3.39	6.19	0	—	—	—	—	—	—
Trip Blank	6/27/96	—	—	—	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	9/3/96	—	—	—	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	12/3/96	—	—	—	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	3/5/97	—	—	—	—	—	—	—	—	—
	6/3/97	—	—	—	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	9/16/97	—	—	—	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	12/9/97	—	—	—	<50	<0.50	<0.50	<0.50	<0.50	<2.5



Table 1. Water Level Data and Groundwater Analytical Results - Former Chevron Service Station #9-0191, 900 Otis Drive, Alameda, California

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	←-----ppb----->				
						B	T	E	X	MTBE
MW-2/ 9.17										
	2/8/96	2.75	6.42	—	94	ND	ND	ND	ND	—
	6/27/96	4.99	4.18	0	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	9/3/96	5.21	3.96	0	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	12/3/96	4.54	4.63	0	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	3/5/97	4.09	5.08	0	—	—	—	—	—	—
	6/3/97	4.91	4.26	0	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	9/16/97	5.03	4.14	0	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	12/9/97	2.74	6.43	0	<50	<0.50	<0.50	<0.50	<0.50	<2.5
MW-3/ 7.11										
	2/8/96	1.36	5.75	—	460	26	ND	5.8	ND	—
	6/27/96	3.22	3.89	0	130 ¹	<0.50	<0.50	<0.50	0.51	16
	9/3/96	3.08	4.03	0	160 ²	<0.50	<0.50	<0.50	<0.50	<2.5
	12/3/96	2.68	4.43	0	260 ²	4.3	<0.50	0.62	<0.50	50
	3/5/97	2.40	4.71	0	310 ²	11	0.55	<0.50	<0.50	6.7
	6/3/97	3.04	4.07	0	260 ¹	<0.50	<0.50	<0.50	<0.50	10
	9/16/97	2.92	4.19	0	160 ¹	0.50	<0.50	<0.50	<0.50	<2.5
	12/9/97	1.50	5.61	0	440 ¹	14	<0.50	4.6	<0.50	5.9
MW-4/ 7.78										
	2/8/96	1.32	6.46	—	ND	ND	ND	ND	ND	—
	6/28/96	2.99	4.79	0	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	9/3/96	3.50	4.28	0	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	12/3/96	2.95	4.83	0	—	—	—	—	—	—
	3/5/97	2.55	5.23	0	—	—	—	—	—	—
	6/3/97	3.27	4.51	0	—	—	—	—	—	—
	9/16/97	3.27	4.51	0	—	—	—	—	—	—
	12/9/97	1.90	5.88	0	—	—	—	—	—	—
MW-5/ 7.37										
	2/8/96	0.75	6.62	—	ND	ND	ND	ND	ND	—
	6/27/96	2.66	4.71	0	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	9/3/96	3.29	4.08	0	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	12/3/96	2.66	4.71	0	—	—	—	—	—	—
	3/5/97	2.98	4.39	0	—	—	—	—	—	—
	6/3/97	2.78	4.59	0	—	—	—	—	—	—
	9/16/97	3.11	4.26	0	—	—	—	—	—	—
	12/9/97	1.95	5.42	0	—	—	—	—	—	—

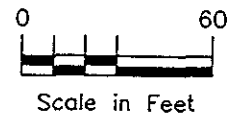


EXPLANATION

- ◆ Groundwater monitoring well
- 99.99 Groundwater elevation in feet referenced to Mean Sea Level (MSL)
- 99.99 Groundwater elevation contour, dashed where inferred.
- [99.99] Not used in contouring



Approximate groundwater flow direction at a gradient of 0.005 Ft./Ft.



Gettler - Ryan Inc.
 6747 Sierra Ct., Suite J (510) 551-7555
 Dublin, CA 94568

POTENTIOMETRIC MAP
 Former Chevron Service Station No. 9-0191
 900 Otis Drive
 Alameda, California

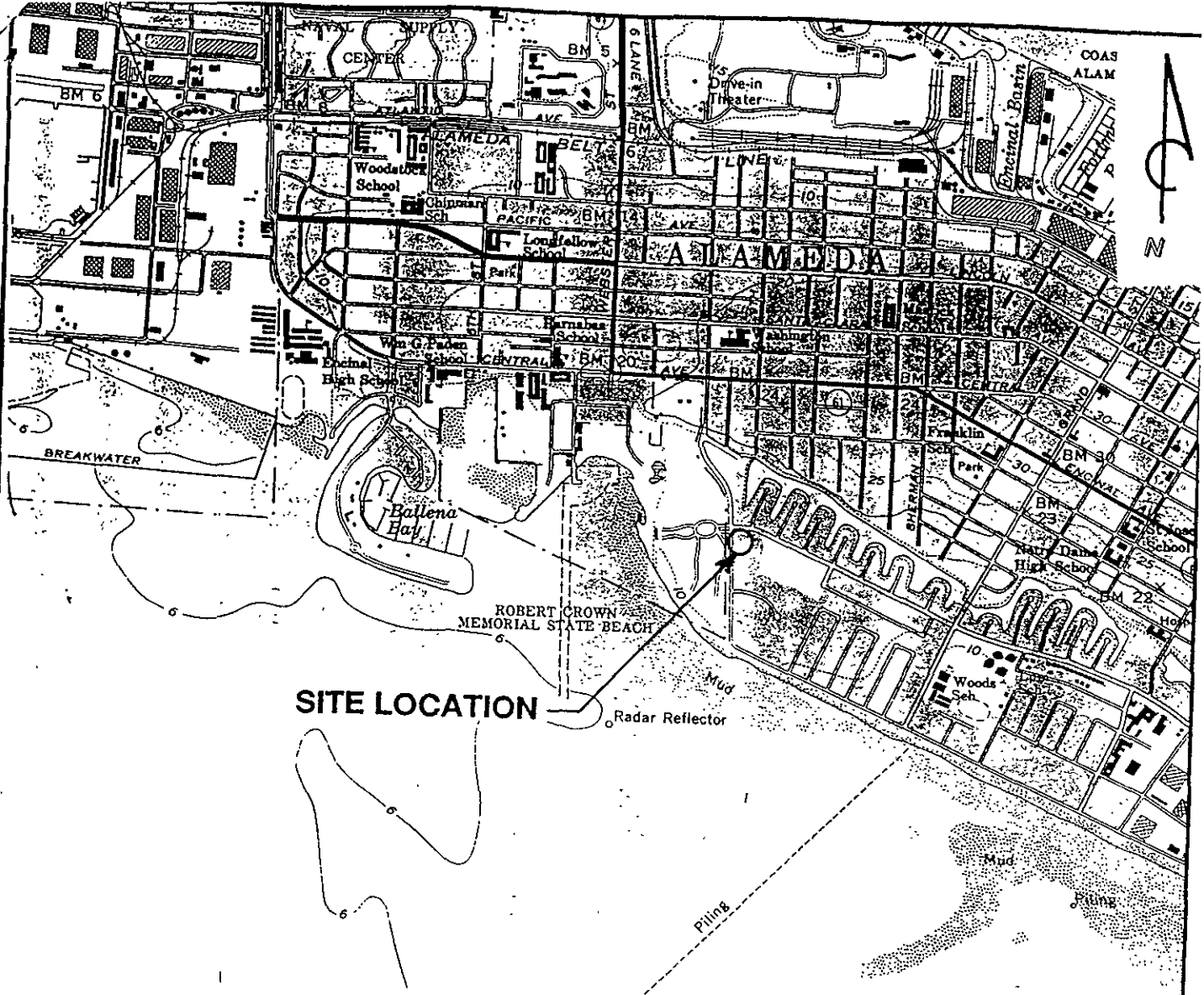
FIGURE
1

JOB NUMBER
 6324

REVIEWED BY

DATE
 December 9, 1997

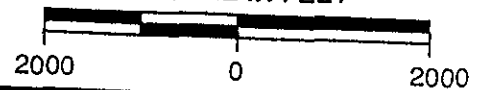
REVISED DATE



QUADRANGLE
LOCATION

REFERENCES:
 USGS 7.5 MIN. TOPOGRAPHIC MAP
 TITLED: OAKLAND WEST, CALIFORNIA
 DATED: 1959 REVISED: 1980

SCALE IN FEET



PACIFIC
 ENVIRONMENTAL
 GROUP, INC.

FORMER CHEVRON U.S.A. SERVICE STATION 9-0191
 900 Otis Drive at Westline Drive
 Alameda, California

SITE LOCATION MAP

FIGURE:
1
PROJECT:
 320-122.1A

6. Contractor GOTTLEB RYAN INC
Address 2150 W. WINTON AVE
City HAYWARD, CA 94545 Phone (510) 783-7500
License Type* HAZ A ID# 220793 EXP 5/31/93 OK (W)

*Effective January 1, 1992, Business and Professional Code Section 7058.7 requires prime contractors to also hold Hazardous Waste Certification issued by the State Contractors License Board. Indicate that the certificate has been received, in addition, to holding the appropriate contractors license type.

7. Consultant TOUCHSTONE DEVELOPMENT
Address P.O. Box 2554
City SANTA ROSA Phone (707) 538-8818

8. Contact Person for Investigation
Name JEFF MONROE ^{Denny GAN} Title PROJECT MANAGER
Phone (707) 538-8818

9. Number of tanks being closed under this plan 4
Length of piping being removed under this plan 420' (140' trenches)
Total number of tanks at facility 4

10. State Registered Hazardous Waste Transporters/Facilities (see instructions).

** Underground tanks are hazardous waste and must be handled **
as hazardous waste

a) Product/Residual Sludge/Rinsate Transporter

Name ERICKSON EPA I.D. No. CAD 009466392
Hauler License No. 019 License Exp. Date 5-93
Address 255 PARR BLVD
City RICHMOND state CA zip 94801

b) Product/Residual Sludge/Rinsate Disposal Site

Name GIBSON EPA I.D. No. CAD 980883177
Address 3300 TRUSTUN AVE, SUITE 200
City BAKERSFIELD state CA zip 93301
(805) 327-0413

c) Tank and Piping Transporter

Name ERICKSON EPA I.D. No. CAD 009466392
Hauler License No. 019 License Exp. Date 5-93
Address 255 PARR BLVD
City RICHMOND State CA zip 94801

d) Tank and Piping Disposal Site

Name LMC EPA I.D. No. CAD 009466392
Address 600 S. FOURTH ST
City RICHMOND State CA zip 94805

* 11. Experienced Sample Collector

Name JEFF MORRIS
Company TOUCHSTONE DEVELOPMENT
Address PO BOX 2554
City SANTA ROSA State CA zip 95405 Phone (707) 530-8018

12. Laboratory

Name SUPERIOR LABS
Address 825 ARNOLD DR #114
City MARTINEZ State CA zip 94553
State Certification No. 1542

13. Have tanks or pipes leaked in the past? Yes [] No [X]

If yes, describe. _____

14. Describe methods to be used for rendering tank inert

TRIPLE RINSE, VAPOR FREE, DRY ICE 20 lb/1000 capacity

Before tanks are pumped out and inerted, all associated piping must be flushed out into the tanks. All accessible associated piping must then be removed. Inaccessible piping must be plugged.

The Bay Area Air Quality Management District (771-6000), along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of explosion proof combustible gas meters to verify tank inertness. It is the contractor's responsibility to bring a working combustible gas meter on site to verify tank inertness.

15. Tank History and Sampling Information

piping samples needed

Tank		Material to be sampled (tank contents, soil, ground-water, etc.)	Location and Depth of Samples
Capacity	Use History (see instructions)		
3000 GAL	CUSTOM SUPREME GASOLINE	Soil at sides of Tank hole above ground water Groundwater	2 soil samples from ^{beneath} each end of each tank. If groundwater, 2 soil samples from wall next to tank ends + one groundwater sample.
7500 GAL	Cherron Leaded/Unleaded REGULAR		
7000 GAL	Cherron Supreme		
550	WASTE OIL		One soil sample from beneath fill end. If groundwater, 2 soil samples from walls next to tank ends + one groundwater sample

One soil sample must be collected for every 20 feet of piping that is removed. A ground water sample must be collected should any ground water be present in the excavation.

Excavated/Stockpiled Soil	
Stockpiled Soil Volume (Estimated) 220	Sampling Plan Composite. Soil planned for release on site to be sampled discretely every 20 yds ³

stockpiled soil must be placed on bermed plastic and must be completely covered by plastic sheeting.

16. Chemical methods and associated detection limits to be used for analyzing samples

The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits should be followed. See attached Table 2.

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Method Number	Method Detection Limit
BTXE O+G	5030	8020/8240	5.0 ppb
TPH-G TPH-D VOC SMAE-VOC	5030 GLFD		1 ppm
PCAD METALS	CA/CR/PB/Zn/Ni	AA/ICAP	
<p>Samples collected from leaded/unleaded gas tank should be analyzed for Total Lead; in addition to BTEX + TPHg.</p> <p>Samples collected from waste oil tank pit shall be analyzed for: TPHg, TPHd, O+G, BTEX, Chlorinated Hydrocarbons, metals, + PCB, PCP, PNA, + creosote using Method 8270.</p>			

17. Submit Site Health and Safety Plan (See Instructions)

18. Submit Worker's Compensation Certificate copy On file

Name of Insurer Republic Indemnity Exp 4-1-93

19. Submit Plot Plan (See Instructions)

20. Enclose Deposit (See Instructions)

21. Report any leaks or contamination to this office within 5 days of discovery. The report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report form. (see Instructions)

22. Submit a closure report to this office within 60 days of the tank removal. This report must contain all the information listed in item 22 of the instructions.

I declare that to the best of my knowledge and belief the statements and information provided above are correct and true.

I understand that information in addition to that provided above may be needed in order to obtain an approval from the Department of Environmental Health and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

Signature of Contractor

Name (please type) Barry E. McCoy

Signature Barry E. McCoy

Date 3-25-93

Signature of Site Owner or Operator

Name (please type) Timothy J. Dahl, on behalf of Chevron USA

Signature Timothy J. Dahl

Date 3-25-93

**SPECIAL PRECAUTIONS
AND COMMENTS:**

Correct safety procedures must be followed per Gettler-Ryan Inc. Health and Safety Plan. UGST to be inerted per BAAQMD guidelines (Reg. 8, Section 40) 30 lbs. of dry ice to be placed in tank prior to removal.

SITE SAFETY WORKPLAN:

PERIMETER ESTABLISHMENT: Complete site to be fenced: use barricades and flagging to restrict access to tank removal areas.

PERSONAL PROTECTION: Level of Protection EPA Level D/Level C Available
Modifications: Rubber gloves and hard hats.
Surveillance Equipment and Material: Gastech

SITE ENTRY PROCEDURES: N/A

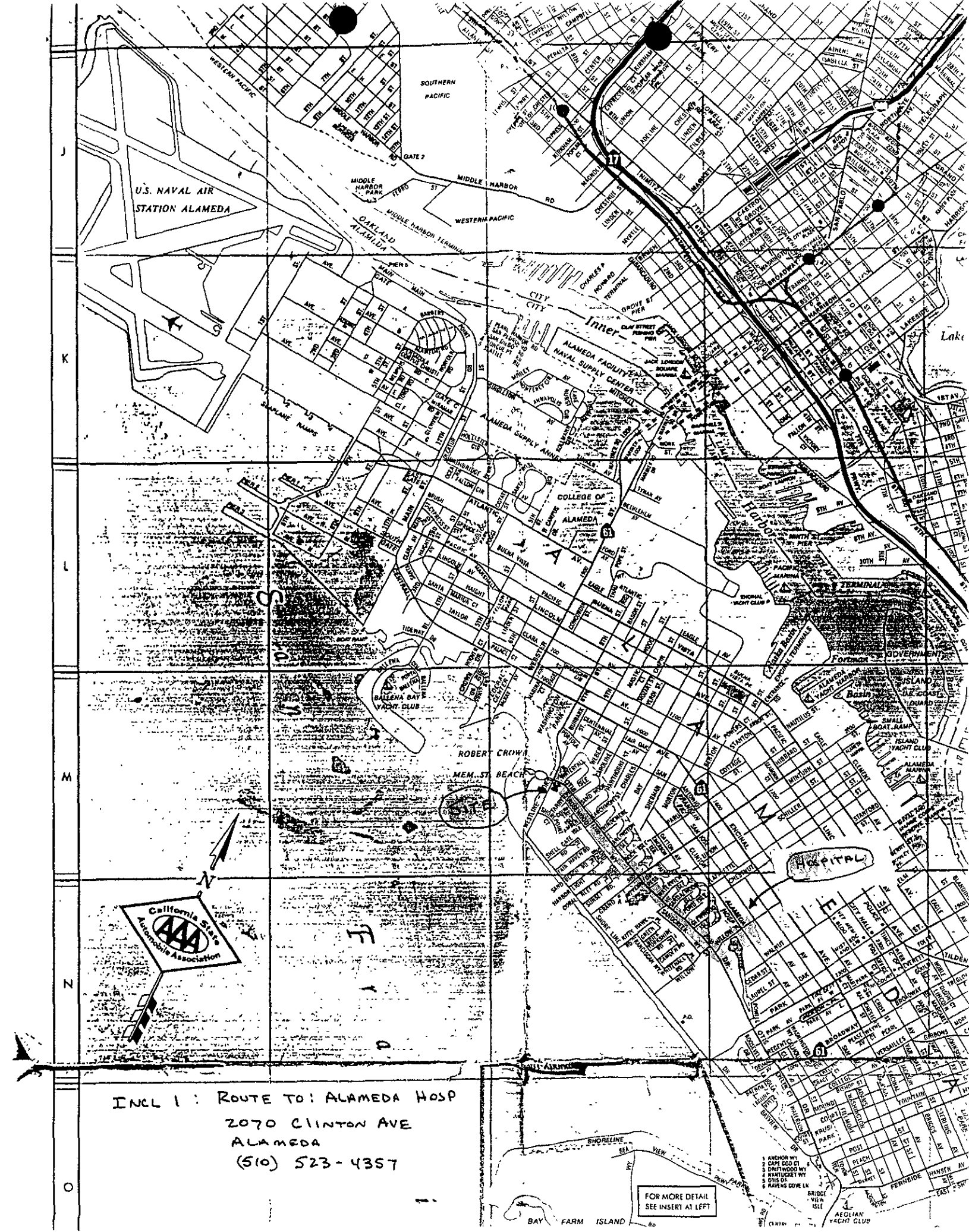
DECONTAMINATION PROCEDURES: Personnel: Wash thoroughly with detergent solution and water
Equipment: Steam clean if necessary

FIRST AID: As applicable

WORK LIMITATIONS (time of day, weather, heat/cold stress): none.

INVESTIGATION-DERIVED MATERIAL DISPOSAL: Tanks and lines to be manifested and hauled by Erickson. All materials removed from tank hole to be sampled, placed on visqueen on site and covered until classified for proper disposal.

TEAM COMPOSITION: Jim Reed - Foreman and site safety officer
2 Laborers
1 Operator
1 Field Technician from Touchstone Development



INCL 1 : ROUTE TO: ALAMEDA HOSP
 2070 CLINTON AVE
 ALAMEDA
 (510) 523-4357

FOR MORE DETAIL
 SEE INSERT AT LEFT

- 1 RANDON WY
- 2 OAKWOOD WY
- 3 DUFFWOOD WY
- 4 HUNTERS WY
- 5 OHS OR
- 6 RAVENS COVE LN



gettler — ryan inc.

FACSIMILE COVER SHEET

TO: JULIETTE CHIN

COMPANY: ALCO HAZ WASTE

FROM: BARRY MCCOY

DATE: 4-7-93

RE: TANK PULL PERMIT 900 OTIS DRIVE, ALAMOGA

REMARKS: CONTRACTORS LICENSE PER YOUR REQUEST

1 pages including cover.


Consumer Affairs State of California
 Department of Consumer Affairs
CONTRACTORS STATE LICENSE BOARD

License Number: **220793** Entity: **CORP**

Name/Company: **GETTLER RYAN INC**

Classification: **B C61/D40 HAZ A C57**

Expiration Date: **05/31/93**



IF THERE ARE ANY PROBLEMS WITH THIS TRANSMISSION, PLEASE CALL (510) 783-7500.

1 what on exam...

CERTIFICATE OF INSURANCE

ISSUE DATE (MM/DD/YY)
 03/31/93

PRODUCER
Woodruff-Sawyer & Co.
 220 Bush Street
 7th Floor
 San Francisco, CA 94104

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

COMPANIES AFFORDING COVERAGE

- COMPANY LETTER **A** Fireman's Fund Ins. Co.
- COMPANY LETTER **B** Republic Ind. Co. of America
- COMPANY LETTER **C**
- COMPANY LETTER **D**
- COMPANY LETTER **E**

INSURED
Gettler-Ryan, Inc.
 2150 West Winton Avenue
 Hayward, CA 94545-1787

F2

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN. THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
	GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> OCCUR <input type="checkbox"/> OWNERS & CONTRACTORS PROT				GENERAL AGGREGATE \$ PRODUCTS-COMP/OP AGG. \$ PERSONAL & ADV. INJURY \$ EACH OCCURRENCE \$ FIRE DAMAGE (Any one fire) \$ MED. EXPENSE (Any one person) \$
A	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input checked="" type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS <input type="checkbox"/> GARAGE LIABILITY	895MZA80126466	04/01/93	04/01/94	COMBINED SINGLE LIMIT \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE \$
	EXCESS LIABILITY <input type="checkbox"/> OTHER THAN UMBRELLA FORM				EACH OCCURRENCE \$ AGGREGATE \$
B	WORKER'S COMPENSATION AND EMPLOYERS' LIABILITY	BINDER3924	04/01/93	04/01/94	STATUTORY LIMITS EACH ACCIDENT \$ 1,000,000 DISEASE-POLICY LIMIT \$ 1,000,000 DISEASE-EACH EMPLOYEE \$ 1,000,000
	OTHER				

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS
 As respects All California Operations.

City of Alameda

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL IMMEDIATELY MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT.

AUTHORIZED REPRESENTATIVE

CERTIFICATE OF INSURANCE

ISSUE DATE (MM/DD/YY)
 03/31/93

PRODUCER
Woodruff-Sawyer & Co.
 220 Bush Street
 7th Floor
 San Francisco, CA 94104

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COMPANIES AFFORDING COVERAGE

- COMPANY LETTER **A** Fireman's Fund Ins. Co.
- COMPANY LETTER **B** Republic Ind. Co. of America
- COMPANY LETTER **C**
- COMPANY LETTER **D**
- COMPANY LETTER **E**

INSURED
Gettler-Ryan, Inc.
 2150 West Winton Avenue
 Hayward, CA 94543-1787

F2

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
	GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> OCCUR <input type="checkbox"/> OWNER'S & CONTRACTOR'S PROT				GENERAL AGGREGATE \$ PRODUCTS-COMP/OP AGG. \$ PERSONAL & ADV. INJURY \$ EACH OCCURRENCE \$ FIRE DAMAGE (Any one fire) \$ MED. EXPENSE (Any one person) \$
A	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> SCHEDULED AUTOM <input checked="" type="checkbox"/> HIRED AUTOM <input checked="" type="checkbox"/> NON-OWNED AUTOM <input type="checkbox"/> GARAGE LIABILITY	S95MZA80126466	04/01/93	04/01/94	COMBINED SINGLE LIMIT \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE \$
	EXCESS LIABILITY <input type="checkbox"/> OTHER THAN UMBRELLA FORM				EACH OCCURRENCE \$ AGGREGATE \$
B	WORKER'S COMPENSATION AND EMPLOYERS' LIABILITY	BINDER3924	04/01/93	04/01/94	STATUTORY LIMITS EACH ACCIDENT \$ 1,000,000 DISEASE-POLICY LIMIT \$ 1,000,000 DISEASE-EACH EMPLOYEE \$ 1,000,000
	OTHER				

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS
 As respects All California Operations.

City of Alameda

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, ~~AND THE POLICY WILL BE CANCELLED ON THE DATE OF THE NOTICE.~~

AUTHORIZED REPRESENTATIVE

CERTIFICATE OF INSURANCE

ISSUE DATE (MM/DD/YY)
 03/31/93

PRODUCER
 Woodruff-Sawyer & Co.
 220 Bush Street
 7th Floor
 San Francisco, CA 94104

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

COMPANIES AFFORDING COVERAGE

- COMPANY LETTER **A** Fireman's Fund Ins. Co.
- COMPANY LETTER **B** Republic Ind. Co. of America
- COMPANY LETTER **C**
- COMPANY LETTER **D**
- COMPANY LETTER **E**

INSURED
 F2
 Gettler-Ryan, Inc.
 2150 West Winton Avenue
 Hayward, CA 94545-1787

COVERAGE
 THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
	GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> OCCUR <input type="checkbox"/> OWNERS & CONTRACTORS PROT				GENERAL AGGREGATE \$ PRODUCTS-COMPOP AGG. \$ PERSONAL & ADV. INJURY \$ EACH OCCURRENCE \$ FIRE DAMAGE (Any one fire) \$ MED. EXPENSE (Any one person) \$
A	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS <input type="checkbox"/> GARAGE LIABILITY	895MZA80126466	04/01/93	04/01/94	COMBINED SINGLE LIMIT \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE \$
	EXCESS LIABILITY <input type="checkbox"/> OTHER THAN UMBRELLA FORM				EACH OCCURRENCE \$ AGGREGATE \$
B	WORKER'S COMPENSATION AND EMPLOYERS' LIABILITY	BINDER3924	04/01/93	04/01/94	STATUTORY LIMITS EACH ACCIDENT \$ 1,000,000 DISEASE—POLICY LIMIT \$ 1,000,000 DISEASE—EACH EMPLOYEE \$ 1,000,000
	OTHER				

DESCRIPTION OF OPERATIONS/LOCATION/VEHICLES/SPECIAL ITEMS
 As respects All California Operations.

CITY OF ALAMEDA

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL IMMEDIATELY MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, ~~WHICH WILL BE THE LAST OF THE COMPANY'S OBLIGATIONS UNDER THE CONTRACTS DESCRIBED HEREIN.~~

AUTHORIZED REPRESENTATIVE