SIERRA

Environmental Services

January 24, 1996

Mr. Mike Golden
Division of the State Architect
400 P Street, 5th Floor
Sacramento,CA 95814

Re: Quarterly Monitoring Report
CALTRANS Hayward Maintenance Yard
~~21195~~ Center Street
Hayward,CA
SES Project #MR-904-06

Dear Mr. Golden:

This report presents the results of the quarterly ground water sampling at Service Station #801-952739, located at 21195 Center Street in Castro Valley, California (Figure 1, Appendix A). Three wells, VW-1, VW-2 and VW-3, were sampled (Figure 2, Appendix A).

On December 18, 1995, SES personnel visited the site. Water level measurements were collected in all site wells and all wells were checked for the presence of free-phase hydrocarbons. Free-phase hydrocarbons were not present in any of the site wells. Water level data are shown in Table 1 (Appendix B) and ground water elevation contours are included on Figure 2 (Appendix A). Ground water elevation contours from June 1995, sampling events are included in Figure 2 (Appendix B).

The ground water samples were collected on December 18, 1995 in accordance with SES Standard Operating Procedure - Ground Water Sampling (Appendix C). The field water sampling forms for this event are included. All analyses were performed by Chromalab Environmental Services, of Pleasanton, California. Analytic results for ground water are presented in Table 2 (Appendix B). The chain of custody document and laboratory analytic reports are included in Appendix D. SES is not responsible for laboratory omissions or errors.

P.O. Box 2546 • Martinez, California 94553 • (510) 370-1280

Thank you for allowing us to provide services to DSA. Please call if you have any questions.

Sincerely,
Sierra Environmental Services

Maurice J. Carter
Environmental Technician

REGISTERED GEOLOGIST
WAYNE S. AKIYAMA
No. 6009
STATE OF CALIFORNIA

Wayne S. Akiyama R.G. R.E.A.
Senior Hydrogeologist #6009

MJC/WSA/mc

Appendices:
A - Figures
B - Tables
C - SES Standard Operating Procedure
D - Chain of Custody Document and Laboratory Analytic Reports
E - Field Water Sampling Forms
F - Monitoring Well Elevation Survey Data

cc: Amy Leech - Alameda County Health Care Services Agency

90406QM.JA6

APPENDIX A
FIGURES

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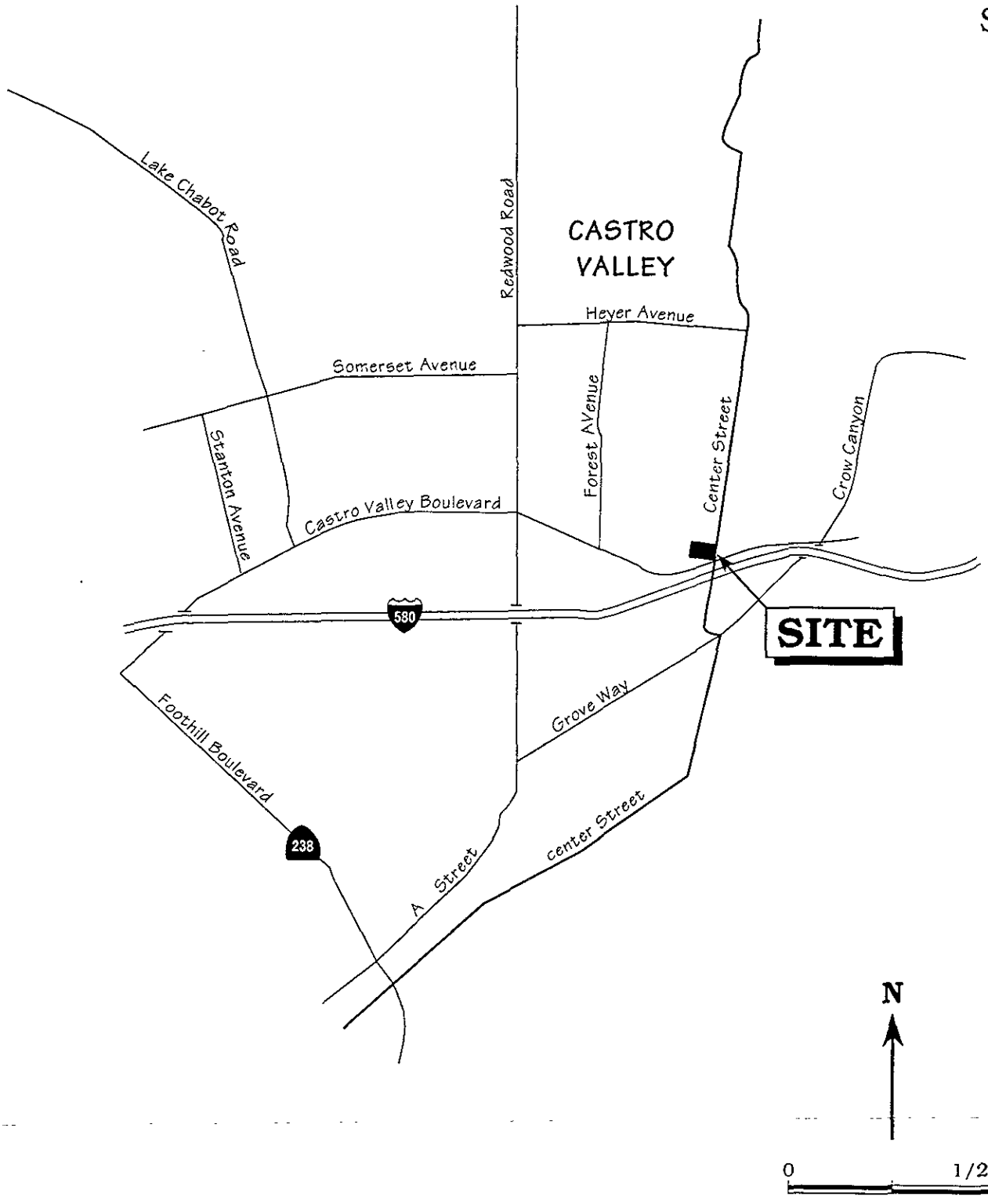

Base map ref: California State Automobile Association (AAA)

Figure 1. Site Location Map - Caltrans Maintenance Facility, 21175 Center Street, Castro Valley, California

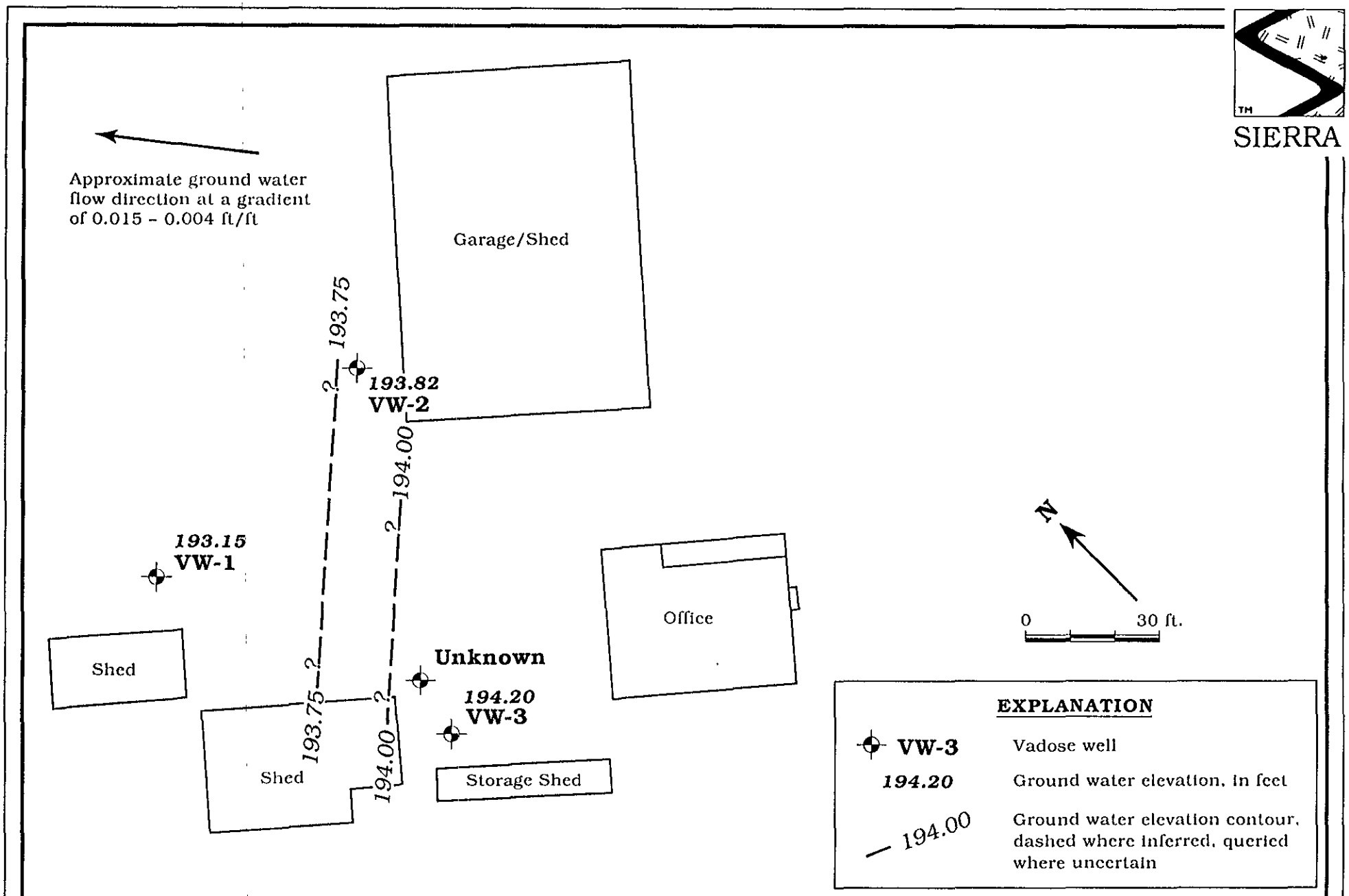

Figure 2. Monitoring Well Locations and Ground Water Elevation Contour Map - December 18, 1995 - Caltrans Maintenance Facility, 21175 Center Street, Castro Valley, California

MR-904-00 [GW 12/95] 1/24/96

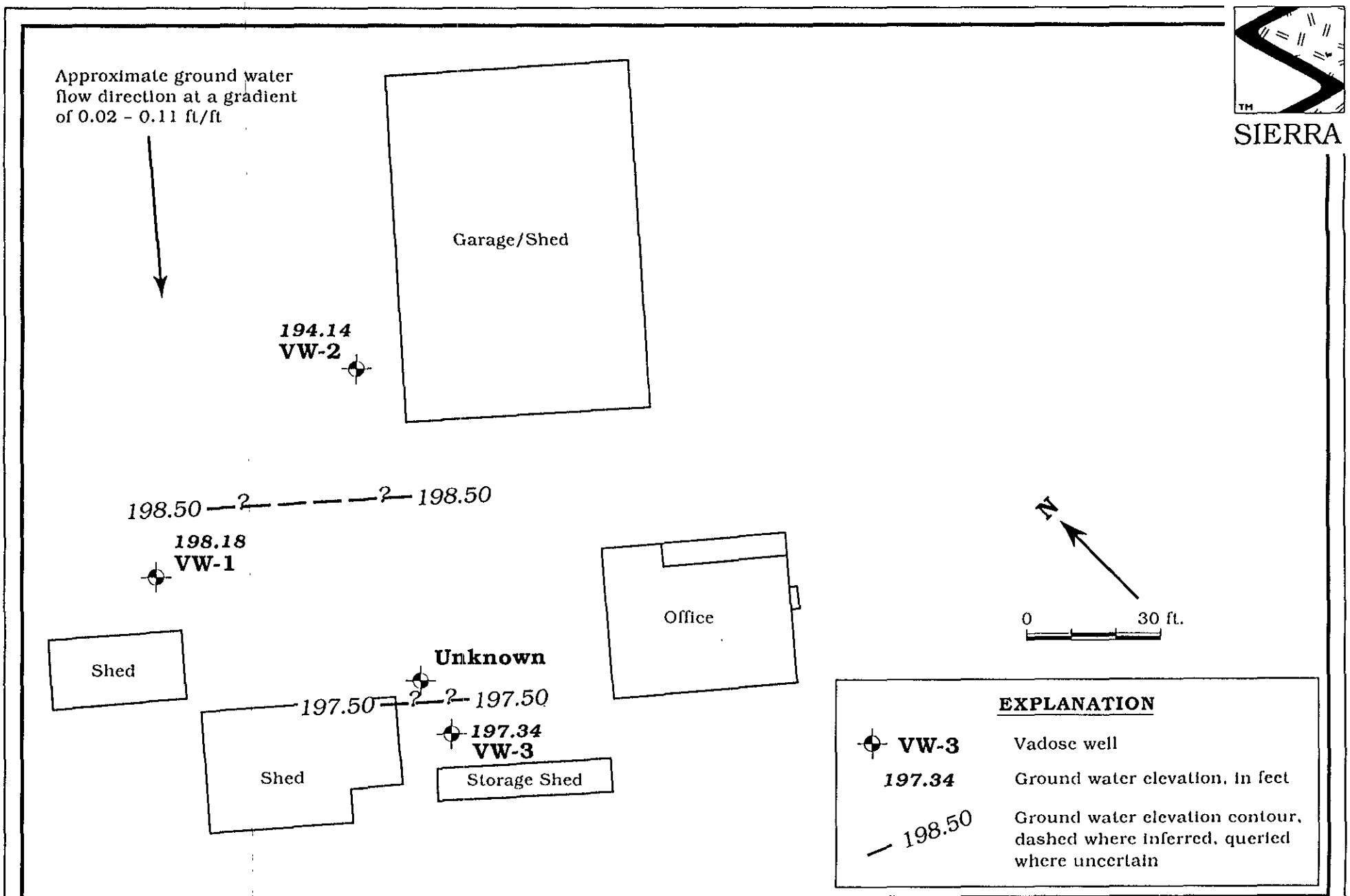

Figure 3. Monitoring Well Locations and Ground Water Elevation Contour Map - June 7, 1995 - Caltrans Maintenance Facility, 21175 Center Street, Castro Valley, California

MR-904-00 [GW 6/95] 1/24/96

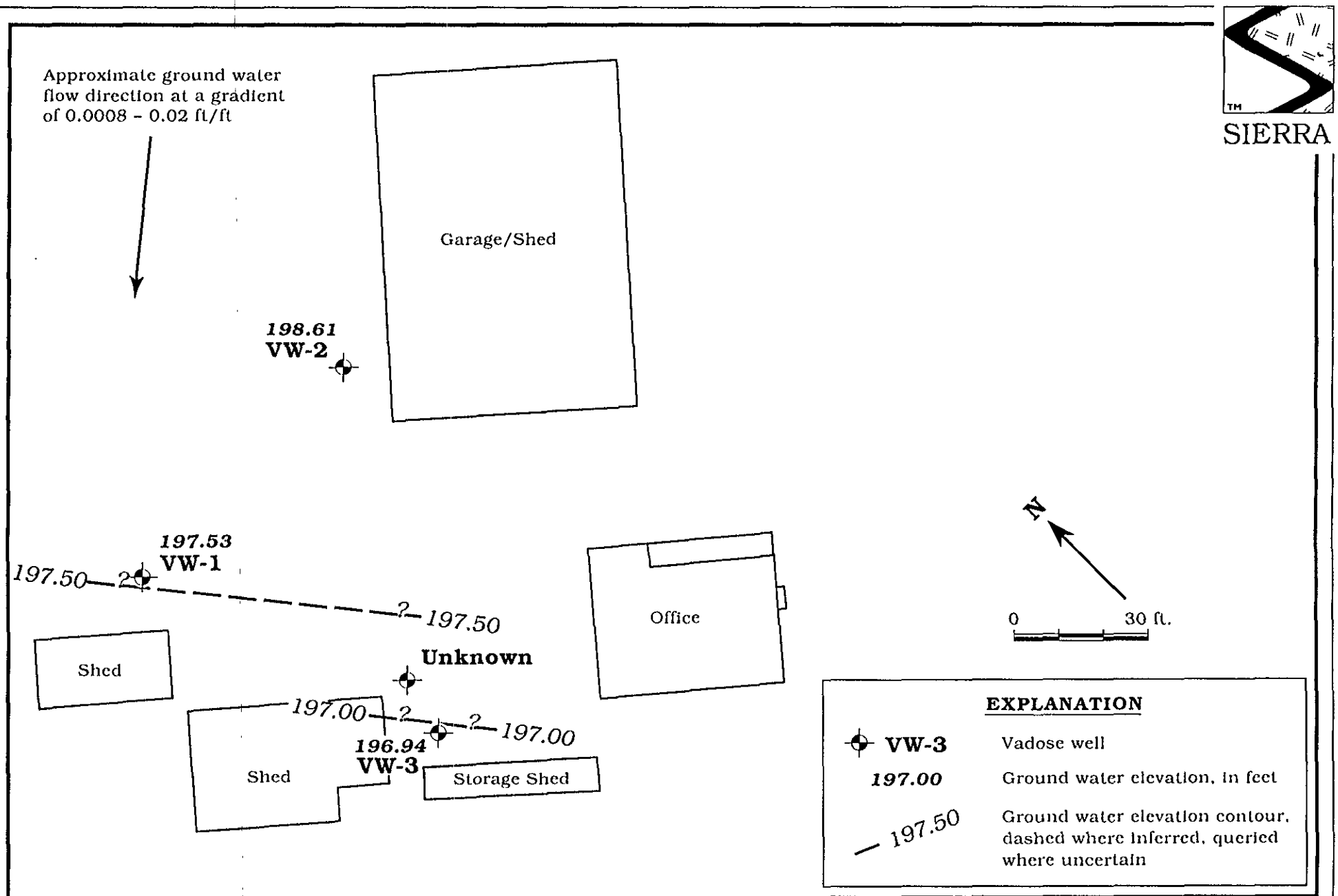

Figure 4. Monitoring Well Locations and Ground Water Elevation Contour Map - June 26, 1995 - Caltrans Maintenance Facility, 21175 Center Street, Castro Valley, California

APPENDIX B
TABLES

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Table 1. Water Level Data and Well Construction Details - Caltrans Maintenance Station, 21195 Center Street, Castro Valley, California

Well ID	Date Measured	DTW (ft)	TOC (ft)	GWE (msl)	Product Thickness* (ft)	Screen Interval	Sand Pack Interval	Bentonite/Grout Interval
						<----------*feet below grade*---------->		
VW-1	6/7/95	26.07			0	---	---	---
	6/28/95	26.72			0			
			224.25[1]					
	9/15/95	28.52		195.73				
	12/18/95	**31.10**		**193.15**	**0**			
VW-2	6/7/95	25.78			0	---	---	---
	6/28/95	26.31			0			
			224.92[1]					
	9/15/95	28.43		196.49				
	12/18/95	**31.10**		**193.82**	**0**			
VW-3	6/7/95	26.76			0	---	---	---
	6/28/95	27.16			0			
			224.10[1]					
	9/15/95	28.32		195.78				
	12/18/95	**29.90**		**194.20**	**0**			
UNKNOWN	2/28/95	27.20			0			
			224.57[1]					

EXPLANATION:

DTW = Depth to water
TOC = Top of casing elevation
GWE = Ground water elevation
msl = Measurements referenced relative to mean sea level
--- = Not available

NOTES (continued):

[1] All top of casing elevations were surveyed by Ron Miller, Professional Engineer #15816 on July 28, 1995.

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Table 2. Analytic Results for Ground Water - Caltrans Maintenance Station, 21195 Center Street, Castro Valley, California

Well ID	Date Sampled	Analytic Method	TPPH(G)	TPH(D)	B	T	E	X
			<----------			*ppb*		---------->
VW-1	10/28/94	8015/8020	<50	<500	<0.5	<0.5	<0.5	<0.5
	6/7/95	8015/8020	<50	<50	<0.5	<0.5	<0.5	<0.5
	9/18/95	8015/8020	<50	<50	<0.5	<0.5	<0.5	<0.5
	12/18/95	**8015/8020**	**<50**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
VW-2	10/28/94	8015/8020	<50	<500	<0.5	<0.5	<0.5	<0.5
	6/7/95	8015/8020	<50	---*	<0.5	<0.5	<0.5	<0.5
	6/28/95	8015/8020	---	1.4**	---	---	---	---
	9/18/95	8015/8020	<50	<50	<0.5	<0.5	<0.5	<0.5
	12/18/95	**8015/8020**	**<50**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
VW-3	10/28/94	8015/8020	<50	<500	<0.5	<0.5	<0.5	<0.5
	6/7/95	8015/8020	<50	<50	<0.5	<0.5	<0.5	<0.5
	9/18/95	8015/8020	<50	<50	<0.5	<0.5	<0.5	<0.5
	12/18/95	**8015/8020**	**<50**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
TB	6/7/95	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5
	9/18/95	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5
	12/18/95	**8015/8020**	**<50**	**---**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
BB								
	9/18/95	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5
	12/18/95	**8015/8020**	**<50**	**---**	**<0.5**	**<0.5**	**<0.5**	**<0.5**

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Table 2. Analytic Results for Ground Water - Caltrans Maintenance Station, 21195 Center Street, Castro Valley, California. (continued)

EXPLANATION:

TPPH(G) = Total Purgeable Petroleum Hydrocarbons as Gasoline
TPH(D) = Total Petroleum Hydrocarbons as Diesel
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
ppb = Parts per billion
--- = Not analyzed/not applicable

ANALYTIC METHODS:

8015 = EPA Method 8015/5030 for TPPH(G)
8015 = Modified EPA Method 8015 for TPH(D)
8020 = EPA Method 8020 for BTEX

ANALYTIC LABORATORY:

All samples were analyzed by Applied P & CH Laboratory of Chino, California.
As of September 19, 1995 samples analyzed by Chromalab Environmental Services of Pleasanton, California.

NOTE:

* Sample Bottle was broken upon receipt.
** Motor oil with a small amount of diesel.

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APPENDIX C
SIERRA ENVIRONMENTAL SERVICES
STANDARD OPERATING PROCEDURES

SIERRA

SES STANDARD OPERATING PROCEDURE

GROUND WATER SAMPLING - QUARTERLY MONITORING

The following describes sampling procedures used by SES field personnel to collect and handle ground water samples. Before samples are collected, careful consideration is given to the type of analysis to be performed so that precautions are taken to prevent loss of volatile components or contamination of the sample, and to preserve the sample for subsequent analysis. Wells will be sampled no less than 24 hours after well development. Collection methods specific to ground water sampling are presented below.

Prior to sampling, each well is checked for the presence of free-phase hydrocarbons using an MMC flexi-dip interface probe. Product thickness (measured to the nearest 0.01 foot) is noted on the sampling form. Water level measurements are also made using either a water level meter or the interface probe. The water level measurements are also noted on the sampling form.

Prior to sampling, each well is purged of a minimum of three well casing volumes of water using a steam-cleaned PVC bailer, or a pre-cleaned pump. Temperature, pH and electrical conductivity are measured during purging. Purging is continued until these parameters have stabilized for consecutive readings.

Ground water samples are collected from the wells with steam-cleaned Teflon bailers. The water samples are decanted into the appropriate container for the analysis to be performed. Pre-preserved sample containers may be used or the analytic laboratory may add preservative to the sample upon arrival. Duplicate samples are collected from each well as a back-up sample and/or to provide quality control. The samples are labeled to include the project number, sample ID, date, preservative, and the field person's initials. The samples are placed in polyethylene bags and in an ice chest (maintained at 4°C with blue ice or ice) for transport under chain of custody to the laboratory.

The chain of custody form includes the project number, analysis requested, sample ID, date analysis and the SES field person's name. The form is signed and dated (with the transfer time) by each person who yields or receives the samples beginning with the field personnel and ending with the laboratory personnel.

A trip blank and bailer blank accompanies each sampling set, or 5% trip blanks and 5% bailer blanks are included for sets of greater than 20 samples. The bailer blank is prepared by pouring previously boiled water into a steam-cleaned Teflon bailer prior to sampling a well. The trip and bailer blanks are analyzed for some or all of the same compounds as the ground water samples.

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APPENDIX D
CHAIN OF CUSTODY DOCUMENT AND
LABORATORY ANALYTIC REPORTS

Chain-of-Custody Record

PO# SES-3262

Facility No. ——
Facility Address 2195 CENTER Street, Castro VALLEY
Consultant Project Number MR-904-04
Consultant Name SIERRA ENVIRONMENTAL SERVICES
Address P.O. Box 2546, Martinez, CA 94553
Project Contact (Name) ED MORALES
(Phone) (510) 370-1280
(FAX Number) (510) 370-7959

Client Contact (Name) TONY
(Company) CALTRANS
(Phone) (510) 582-2385
Laboratory Name CHROMALAB
Samples Collected by (Name) JOE CARTER
Collection Date 12/18/95
Signature Joe Carter

Laboratory Number	Sample Identification	# - size of Container(s)	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (yes or no)	ANALYSIS TO BE PERFORMED: BTEX + TPH Gas (602/8020 + 8015/5030)	TPH Diesel (8015/3550/3510)	Oil and Grease (Non-polar) (5520 B/E/F)	Halogenated Hydrocarbons (601/8010)	Volatile Organic Compounds (624/8240)	Total Lead (AA)	Metals: Cd, Cr, Ni, Pb, Zn (ICAP or AA)	Organic lead (DHS LUFT)			Remarks
	TB-LB	2 VOA	W	G	—	HCl	Y	✓										ANALYZE IN ORDER SHOWN
	BB	2 VOA			12:33			✓										
	~~MW-1~~ VW-1	3 VOA			12:53	↓		✓										
	↓	2 LTR			12:53	NONE			✓									
	VW-2	3 VOA			1:15	HCl		✓										
	↓	2 LTR			1:15	NONE			✓									
	VW-3	3 VOA			1:38	HCl		✓										
	VW-3	2 LTR	↓	↓	1:38	NONE	↓		✓									

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Joe Carter	SES	12/20 4:00			
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
				Chroma Lab	12-20-95 1120
Relinquished By (Signature)	Organization	Date/Time	Received for Laboratory by (Signature)		Date/Time

Turn Around Time (Circle One)
24 hours
48 hours
5 days
10 days
As Contracted

CHROMALAB, INC.

Environmental Services (SDB)

January 5, 1996 *Submission #:* 9512299

SIERRA ENVIRONMENTAL SERVICES

Atten: Ed Morales

Project: Not provided *Project#:* MR-904-06
Received: December 20, 1995

re: 5 samples for Gasoline and BTEX analysis.
Method: EPA 5030/8015M/602/8020

Sampled: December 18, 1995 *Matrix:* WATER
Run: 9932-1 *Analyzed:* December 28, 1995

Spl #	Sample ID	Gasoline (mg/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Total Xylenes (ug/L)
114623	TB-LB	N.D.	N.D.	N.D.	N.D.	N.D.
114624	BB	N.D.	N.D.	N.D.	N.D.	N.D.
114625	VW-1	N.D.	N.D.	N.D.	N.D.	N.D.
114626	VW-2	N.D.	N.D.	N.D.	N.D.	N.D.
114627	VW-3	N.D.	N.D.	N.D.	N.D.	N.D.
Reporting Limits		0.05	0.5	0.5	0.5	0.5
Blank Result		N.D.	N.D.	N.D.	N.D.	N.D.
Blank Spike Result (%)		107	108	108	113	112

Marianne Alexander
Gas/BTEX Supervisor

Chip Poalinelli
Operations Manager

1220 Quarry Lane • Pleasanton, California 94566-4756
(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

December 29, 1995 *Submission #:* 9512299

SIERRA ENVIRONMENTAL SERVICES

Atten: Ed Morales

Project: Not provided *Project#:* MR-904-06
Received: December 20, 1995

re: 3 samples for Diesel analysis.
Method: EPA 3510/8015M

Sampled: December 18, 1995 *Matrix:* WATER *Extracted:* December 26, 1995
Run: 9891-K *Analyzed:* December 26, 1995

Spl #	Sample ID	DIESEL (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
114625	VW-1	N.D.	50	N.D.	80
114626	VW-2	N.D.	50	N.D.	80
114627	VW-3	N.D.	50	N.D.	80

Michael Verona
Chemist

Alex Tam
Semivolatiles Supervisor

cc: Wayne.

1220 Quarry Lane • Pleasanton, California 94566-4755
(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

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APPENDIX E
WATER SAMPLING FORMS

WATER LEVEL & PRODUCT MEASUREMENTS

SIERRA

PROJECT NAME & NUMBER: CALTRANS ML-904-04

Date: 12/18/95

By: JOE CARTER

Well ID	Time Measured	Depth to Product (ft)	Depth to Water (ft)	Total Depth	Comments: (well condition, odor, etc.)
VW-1	11:45	—	31.10	34.19	4" 15/16" ACCESS BAILED -1.5 GAL
VW-2	12:02	—	31.10	34.40	4" 15/16" ACCESS BAILED -2.0 GAL
VW-3	12:25	—	29.90	34.52	4" 9/16" ACCESS good condition

TRIP BLANK

SIERR

WATER SAMPLING DATA

Job Name 21195 Center Street, Castro Valley Job Number MR-904-06 Sampler J.C.

Well Number TB-LB Date 12/18/95 Well Diameter

Sample Point Location/Description Well Depth (spec.)

Depth to Water (static) Well Depth (sounded)

Initial height of water in casing Volume gallons

Volume to be purged = 4 x initial volume gallons

Purged With Sampled With

Pumped or Bailed Dry? ___ Yes ___ No Time ____ After ____ gallons

Water level at sampling Percent Recovery

Formulas/Conversions
r = well radius in ft
h = ht of water col. in ft
vol. in cyl. = $\pi r^2 h$
7.48 gal/ft^3
V_2" casing = 0.163 gal/ft
V_3" casing = 0.367 gal/ft
V_4" casing = 0.653 gal/ft
$V_{4.5}$" casing = 0.826 gal/ft
V_6" casing = 1.47 gal/ft
V_8" casing = 2.61 gal/ft

CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	Temp (°C)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm

SAMPLES COLLECTED Time ____ Total volume purged (gal.)

Water color Odor

Description of sediments or material in sample:

Additional Comments:

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
TBTB	2	1	—	HCl	Y	CHROMALAB	8/BTEX

Container Type Codes: **1** = 40 ml clear VOA/Teflon septa; **2** = Brown glass/teflon lined cap (specify size); **3** = Clear glass/teflon lined cap (specify size); **4** = Polyethylene/polyethylene cap (specify size); **5** = Other ____; **6** = Other ____

BAILER BLANK

SIER

WATER SAMPLING DATA

Job Name CASTRO VALLEY/CALTRANS Job Number ME-904-06

Well Number ~~J-6~~ BAILER BLANK Date 12/18/95 Sampler J.C.

Sample Point Location/Description _____ Well Diameter 4"

Depth to Water (static) _____ Well Depth (sounded) _____ Well Depth (spec.) _____

Initial height of water in casing _____ Volume _____ gallons

Volume to be purged _____ gallons

Purged With Sub Pump Sampled With BAILER

Pumped or Bailed Dry? ___ Yes ___ No Time _____ After _____ gallons

Water level at sampling _____ Percent Recovery _____

Formulas/Conversions
r = well radius in ft
h = ht of water col. in ft
vol. in cyl. = $\pi r^2 h$
7.48 gal/ft³
V_{3}" casing = 0.163 gal/ft
V_{4}" casing = 0.367 gal/ft
V_{5}" casing = 0.653 gal/ft
$V_{6.5}$" casing = 0.826 gal/ft
V_{8}" casing = 1.47 gal/ft
V_{10}" casing = 2.61 gal/ft

CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	Temp (F)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm

SAMPLES COLLECTED Time 12:33

Water color _____ Total volume purged (gal.) _____

Odor _____

Description of sediments or material in sample: _____

Additional Comments: _____

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Inst)	Analysis Requested
J-6 ~~BB~~ BB	3	1	—				
J-6	1	2	↓	HCl	Y	chromlab	g/BTEX
				NONE	↓	↓	BTEX

Container Type Codes: 1 = 40 ml clear VOA/Teflon septa; 2 = Brown glass/teflon lined cap (specify size);
3 = Clear glass/teflon lined cap (specify size); 4 = Polyethylene/polyethylene cap (specify size);
5 = Other _____; 6 = Other _____

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WATER SAMPLING DATA

Job Name CASTRO VALLEY/CALTRANS Job Number ME-904-06 Sampler J-C

Well Number VW-1 Date 12/18/95 Well Diameter 4"

Sample Point Location/Description ON SITE FAR WEST OF CENTER STREET Well Depth (spec.) ____

Depth to Water (static) 31.1 Well Depth (sounded) 34.19

Initial height of water in casing 3.09 Volume 2.01 gallons

Volume to be purged 6 gallons

Purged With SUB PUMP Sampled With TEFLON BAILER

Pumped or Bailed Dry? ___ Yes X No Time ____ After ____ gallons

Water level at sampling ____ Percent Recovery ____

Formulas/Conversions
r = well radius in ft
h = ht of water col. in ft
vol. in cyl. = $\pi r^2 h$
7.48 gal/ft³
V_3" casing = 0.163 gal/ft
V_2" casing = 0.367 gal/ft
V_4" casing = 0.653 gal/ft
$V_{4.5}$" casing = 0.826 gal/ft
V_6" casing = 1.47 gal/ft
V_8" casing = 2.61 gal/ft

CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	Temp (F per)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
12:35	12:37	2	2	7.4	56	0177	
	12:39	2	4	7.2	57	0171	
	12:41	2	6	7.2	57	0173	

SAMPLES COLLECTED Time 12:53

Water color Cloudy Total volume purged (gal.) 6

Odor NONE

Description of sediments or material in sample: SOME SANDY SED.

Additional Comments: ____

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
VW-1	3	1	—	HCl	Y	chromalab	8/BTEX
↓	1	2	↓	NONE	↓	↓	Reset

Container Type Codes: 1 = 40 ml clear VOA/Teflon septa; 2 = Brown glass/teflon lined cap (specify size);
3 = Clear glass/teflon lined cap (specify size); 4 = Polyethylene/polyethylene cap (specify size);
5 = Other ____; 6 = Other ____

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WATER SAMPLING DATA

Job Name CASTRO VALLEY/CALTRANS Job Number ME-904-06 Sampler J-C

Well Number VW-2 Date 12/18/95 Well Diameter 4"

Sample Point Location/Description ON SITE WEST of GARAGE/SHED Well Depth (spec.) ____

Depth to Water (static) 31.10 Well Depth (sounded) 34.40

Initial height of water in casing 3.3 Volume 2.15 gallons

Volume to be purged 6 gallons

Purged With Sub pump Sampled With Teflon Bailer

Pumped or Bailed Dry? ___ Yes X No Time ____ After ____ gallons

Water level at sampling ____ Percent Recovery ____

Formulas/Conversions
r = well radius in ft
h = ht of water col. in ft
vol. in cyl. = $\pi r^2 h$
7.48 gal/ft³
V_2" casing = 0.163 gal/ft
V_3" casing = 0.367 gal/ft
V_4" casing = 0.653 gal/ft
$V_{4.5}$" casing = 0.826 gal/ft
V_6" casing = 1.47 gal/ft
V_8" casing = 2.61 gal/ft

CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	Temp F per	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
1:00	1:02	2	2	7.2	51	0181	
	1:04	2	4	7.0	50	0177	
	1:06	2	6	7.0	53	.0177	

SAMPLES COLLECTED Time 1:15 Total volume purged (gal.) 6

Water color Cloudy Odor NONE

Description of sediments or material in sample: Sandy SED.

Additional Comments: ____

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
VW-2	3	1	—	HCl	Y	chromlab	g/BTEX
↓	1	2	↓	NONE	↓	↓	DIESEL

Container Type Codes: 1 = 40 ml clear VOA/Teflon septa; 2 = Brown glass/teflon lined cap (specify size)
3 = Clear glass/teflon lined cap (specify size); 4 = Polyethylene/polyethylene cap (specify size)
5 = Other ____; 6 = Other ____

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WATER SAMPLING DATA

Job Name Castro Valley/CALTRANS Job Number ME-904-06 Sampler J.C

Well Number VW-3 Date 12/18/95 Well Diameter 4"

Sample Point Location/Description ON SITE North East of Storage SHED Well Depth (spec.) ____

Depth to Water (static) 29.90 Well Depth (sounded) 34.52

Initial height of water in casing 4.62 Volume 3.01 gallons

Volume to be purged 9 gallons

Purged With Sub Pump Sampled With Teflon Bailer

Pumped or Bailed Dry? ___ Yes X No Time ____ After ____ gallons

Water level at sampling ____ Percent Recovery ____

Formulas/Conversions
r = well radius in ft
h = ht of water col. in ft
vol. in cyl. = $\pi r^2 h$
7.48 gal/ft³
V_2" casing = 0.163 gal/ft
V_3" casing = 0.367 gal/ft
V_4" casing = 0.653 gal/ft
$V_{4.5}$" casing = 0.826 gal/ft
V_6" casing = 1.47 gal/ft
V_8" casing = 2.61 gal/ft

CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	Temp (F)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
1:20	1:23	3	3	7.3	50	0175	
	1:26	3	6	7.3	53	0170	
	1:29	3	9	7.1	52	0171	

SAMPLES COLLECTED Time 1:38 Total volume purged (gal.) 9

Water color GREY Odor NONE

Description of sediments or material in sample: GREY muddy SED.

Additional Comments: ____

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
VW-3	3	1	—	HCl	Y	chemlab	8/BTEX
↓	1	2	↓	NONE	↓	↓	DIESEL

Container Type Codes: 1 = 40 ml clear VOA/Teflon septa; 2 = Brown glass/teflon lined cap (specify size)
3 = Clear glass/teflon lined cap (specify size); 4 = Polyethylene/polyethylene cap (specify size)
5 = Other ____; 6 = Other ____

SIERRA

APPENDIX F
MONITORING WELL ELEVATION SURVEY DATA

MR. 904-06
CALTRANS MAINT. FAC.
CASTRO VALLEY
JULY 28, 1995

T		HI = 230.752			
VW-3	50.625	0.000	-1.780	0°00'	224.102 ← Base Line
Unknown W	36.865	3.405	-1.315	5°46'30"	224.567
VW-1	-1.455	54.520	-1.635	91°31'45"	224.247
VW-2	-37.240	1.870	-0.965	177°07'20	224.917
Approx N				102°02'45"	
Cor Bldg	-22.64	-9.44	-0.06	202°37'35"	225.82
" "	-10.985	-64.36	0.69	260°8'45"	226.57
" "	18.705	-44.57	0.30	292°45'55"	226.18
" "	52.120	-38.01	-0.52	323°54'00"	225.36
" Shed	65.125	-35.68	2.20 / 6.00	332°39'10"	224.95
" "	56.80	5.31	-1.34	5°20'10"	224.54
" "	38.81	9.36	-1.22	13°35'30"	224.66
" "	30.03	52.92	-1.78	60°25'35"	224.10
" "	10.88	51.82	-1.68	78°08'20"	224.20
" "	4.95	81.92	-2.04	86°31'00" 4.87	223.84
TBM	-5.765	12.930	-0.535	114°02'05	225.347
TBM			-1.710	4.87	225.347
T		HI 231.927			
TP			-0.185	4.87	227.242
TP			-0.420	4.87	227.242
T		HI = 232.532			
BM			-0.360	4.87	228.022

BM CEN-RAV-1979
A Std. ALAMEDA Co. Bronze disc in top of CHRB @ SO. end curb return in the SELY COR. OF INT. of Center Street & Ravenwood Place in Castro Valley
1974 NGS (ADJ)
ELEV 228.022

REGISTERED PROFESSIONAL ENGINEER
RONALD C. MILLER
No. 15816
CIVIL
STATE OF CALIFORNIA

EXP 6-30-1997