

ENVIRONMENTAL
PROTECTION

95 OCT 10 PM 9:21

October 4, 1995



Chevron

Chevron U.S.A. Products Company
6001 Bollinger Canyon Rd., Bldg. L
P.O. Box 5004
San Ramon, CA 94583-0804

Site Assessment & Remediation Group
Phone (510) 842-9500

Ms. Juliet Shin
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

**Re: Former Chevron Service Station #9-1153
3126 Fernside Boulevard, Alameda, CA**

Dear Ms. Shin:

Enclosed is the Third Quarter 1995 Groundwater Monitoring report dated August 18, 1995, prepared by our consultant Blaine Tech Services, Inc. for the above referenced site. As indicated in the report, ground water samples collected were analyzed for total petroleum hydrocarbons as gasoline (TPH-G) and BTEX. Benzene was detected in monitor wells MW-4, MW-5, MW-6, and MW-7 at concentrations of 6.4, 150, 27, and 1800 ppb, respectively.

Separate phase hydrocarbons were detected in well C-1 at a measured thickness of 1.8 feet and removed by hand bailing. A passive skimmer has been installed in this well to remove free product. Depth to ground water was measured at approximately 2.4 feet to 4.9 feet below grade and the direction of flow is to the east-northeast.

As requested in your letter of August 25, 1995, enclosed is a revised site plan submitted as an addendum to the Work Plan for Additional Site Assessment dated July 6, 1995. An additional well located to the southeast of the site has been included in the scope of work. We anticipate installing this well within the next two weeks. This will be done in order to complete this work before the High Street bridge reopens on October 20, 1995. I have also enclosed the following items for your reference:

- Copies of all analytic data which could be obtained regarding the sampling done at the adjacent Phillips 66 station. Our intent in submitting this information is simply to notify your office of the limited information available for this site. **Based on available data, we agree that it is inconclusive whether the former Phillips station has contributed to the ground water plume originating from the former Chevron site.** Should concentrations observed in the proposed well adjacent to the former Phillips site be inconsistent with concentrations observed in other site wells, this conclusion should be reevaluated.
- Copies of Sanborn Fire Insurance Maps from 1948, 1950, and 1987. The maps from 1948 and 1950 show a previous layout of service station facilities. Unfortunately, the former underground storage tank location is not denoted on any of the maps. We are currently having a title search performed to determine if Chevron or its predecessor companies were the operators of the site on or around 1950.
- A copy of an aerial photograph from April 14, 1950. This photo visually shows the site and surrounding features shown on the 1950 Sanborn Map.
- Copies of utility location maps for the area. As we previously discussed, several utilities are present in the area which may represent potential preferential pathways for migration. We

Page 2
October 4, 1995
Former SS#9-1153

recommend moving forward with the work plan and addendum as proposed and then determining if additional work should be performed if migration along utilities appears to be a concern.

We will continue to monitor and sample all wells at this site on a quarterly basis. If you have any questions or comments, please feel free to contact me at (510) 842-8134.

Sincerely,
CHEVRON U.S.A. PRODUCTS COMPANY

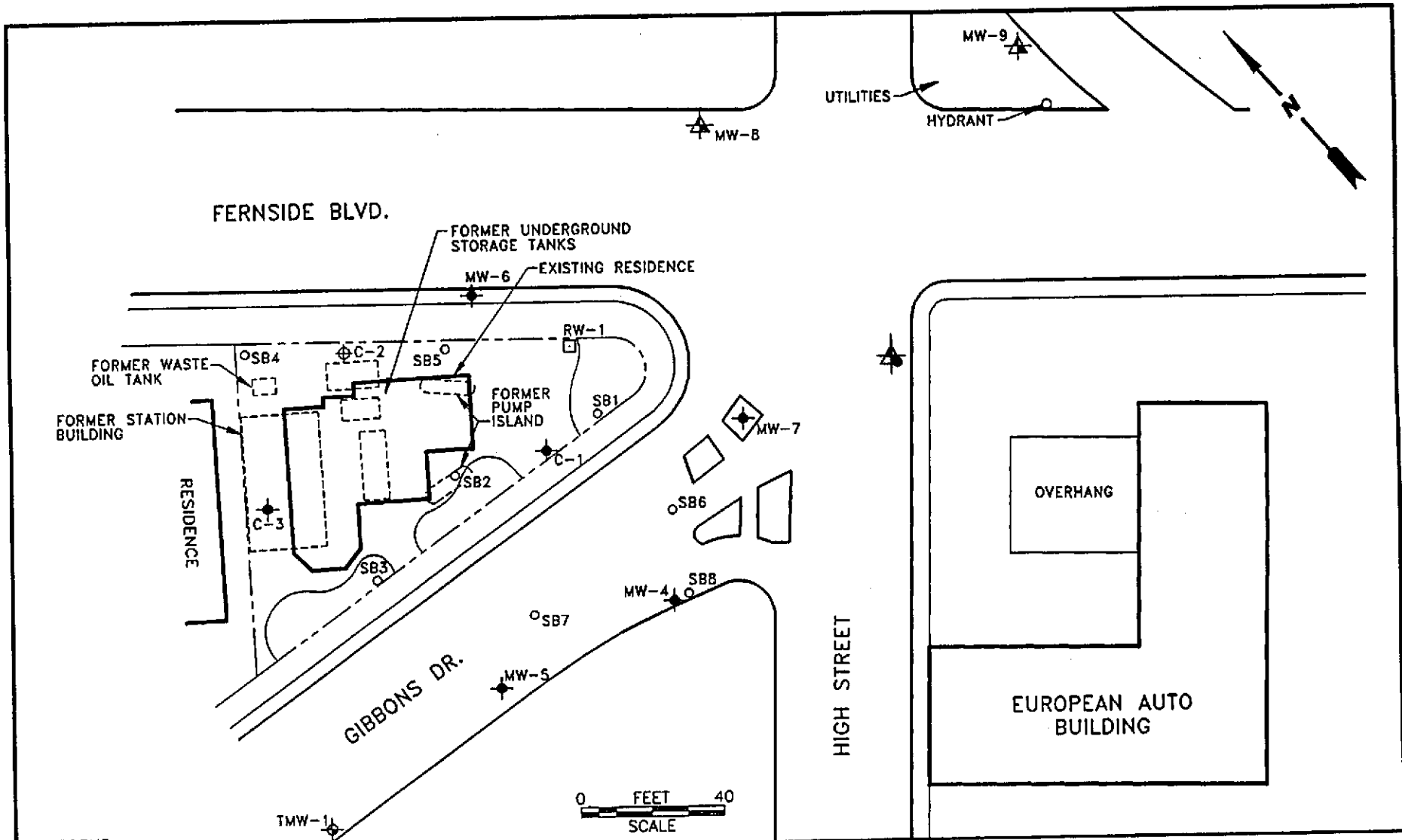


Mark A. Miller
Site Assessment and Remediation Engineer


Enclosure

cc: Mr. Mike Cooke - Weiss Associates
Ms. B.C. Owen

Mr. Larry Bolton
State Farm Insurance
2509 Santa Clara Avenue
Alameda, CA 94501



- LEGEND**
- ◆ MONITORING WELL
 - ◻ EXTRACTION WELL
 - ⊕ ABANDONED WELL
 - ◆ TEMPORARY MONITORING WELL
 - SOIL BORING
 - ▲ PROPOSED MONITORING WELL

 GROUNDWATER TECHNOLOGY				4057 PORT CHICAGO HWY CONCORD, CA 94520 (510) 671-2387		SITE PLAN	
CLIENT: CHEVRON U.S.A. PRODUCTS CO. SERVICE STATION No. 9-1153			LOCATION: 3126 FERNside BLVD. ALAMEDA, CALIFORNIA		REV. NO.: 0	DATE: 1/7/94	
PM <i>JAW</i>	PE/RG <i>MA</i>	DESIGNED TW	DETAILED ML	ACAD FILE: SP194	PROJECT NO.: 020204100	FIGURE: 2	



BLAINE TECH SERVICES INC.

985 TIMOTHY DRIVE
SAN JOSE, CA 95133
(408) 995-5535
FAX (408) 293-8773

August 18, 1995

Mark Miller
Chevron U.S.A. Products Company
P.O. Box 5004
San Ramon, CA 94583-0804

3rd Quarter 1995 Monitoring at 9-1153

Third Quarter 1995 Groundwater Monitoring at
Chevron Service Station Number 9-1153
3126 Fernside Blvd.
Alameda, CA

Monitoring Performed on July 12, 1995

Groundwater Sampling Report 950712-K-4

This report covers the routine quarterly monitoring of groundwater wells at this Chevron facility. Blaine Tech Services, Inc.'s work at the site includes inspection, gauging, evacuation, purgewater containment, sample collection and sample handling in accordance with standard procedures that conform to Regional Water Quality Control Board requirements.

Routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated volume of a three-case volume purge, elapsed evacuation time, total volume of water removed, and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater is, likewise, collected and transported to Chevron's Richmond Refinery for disposal.

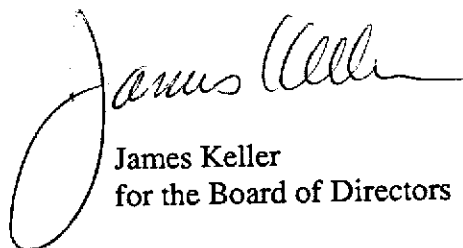
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL DATA AND ANALYTICAL RESULTS**. The full analytical report for the most recent samples is located in the **Analytical Appendix**. The table also contains new groundwater elevation calculations taken from the computer plotted gradient map which is located in the **Professional Engineering Appendix**.

At a minimum, Blaine Tech Services, Inc. field personnel are certified upon completion of a forty-hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. In order to avoid compromising the objectivity necessary for the proper and disinterested performance of this work, Blaine Tech Services, Inc. concentrates on objective data collection and does not participate in the interpretation of analytical results, the definition of geological or hydrological conditions, the formulation of recommendations, or the marketing of remedial systems.

Please call if you have any questions.

Yours truly,

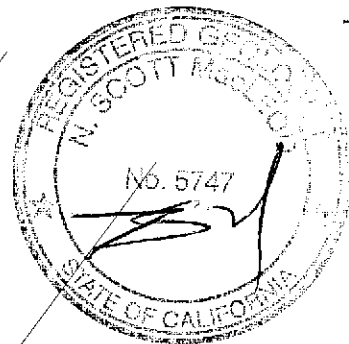
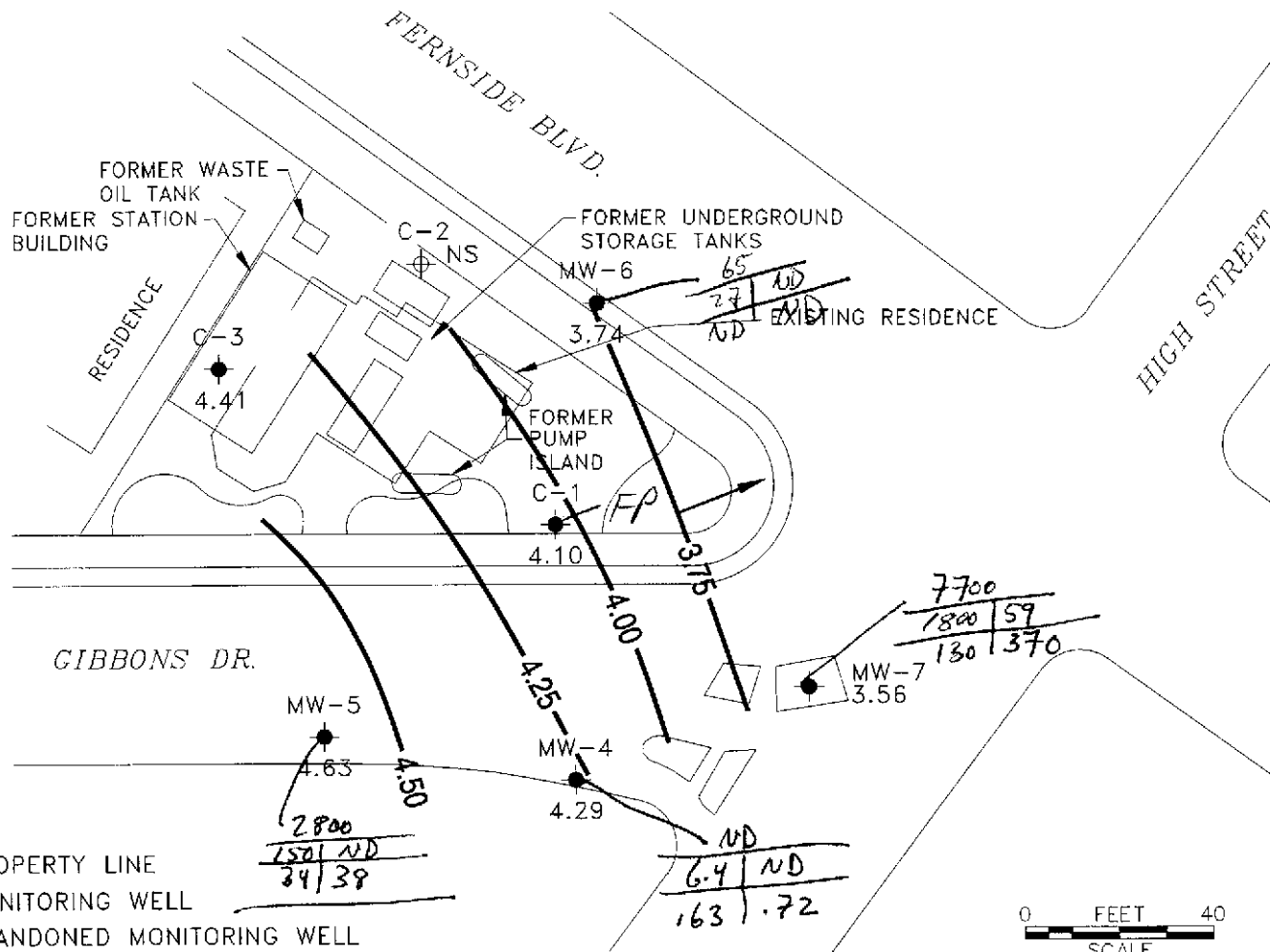
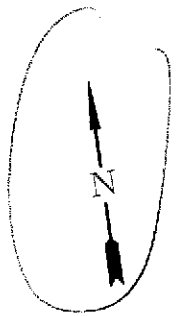


James Keller
for the Board of Directors

JPK/dk

attachments: Professional Engineering Appendix
Cumulative Table of Well Data and Analytical Results
Analytical Appendix
Field Data Sheets

Professional Engineering Appendix



LEGEND

- PROPERTY LINE
- MONITORING WELL
- ⊕ ABANDONED MONITORING WELL
- NA NOT AVAILABLE
- X.XX POTENTIOMETRIC SURFACE ELEVATION (FT)
- * NOT CONTOURED
- POTENTIOMETRIC SURFACE CONTOUR
- GROUND WATER FLOW DIRECTION

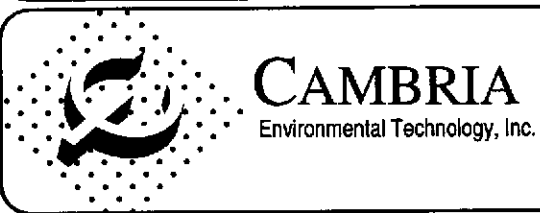


TPHg (ppb)
~~B / F~~
~~E / X~~

NOTE:

1. CONTOURS REPRESENT APPROXIMATE ELEVATIONS ABOVE MEAN SEA LEVEL.

Base map from Groundwater Technology, Inc.



Former Chevron Station 9-1153
 3126 Fernside Boulevard
 Alameda, California
 \CHEVRON\9-1153\1153-QM.DWG

Ground Water Elevation
 July 12, 1995

FIGURE
1

Table of Well Data and Analytical Results

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.				Volumetric Measurements are in gallons.			Analytical results are in parts per billion (ppb)						
DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	Other
C-1													
08/18/86	--	--	4.10	--	--	--	--	--	--	--	--	--	--
09/04/86	--	--	--	--	--	--	--	15,000	760	820	1500	--	--
07/22/87	--	--	--	--	--	--	--	1100	250	7.0	40	--	--
05/03/89	--	--	4.46	--	--	--	--	6900	3800	190	229	--	--
12/04/89	--	--	4.16	--	--	--	--	17,000	8000	490	470	--	--
02/14/90	--	--	3.64	--	--	--	--	19,000	12,000	990	1050	--	--
03/07/90	--	--	3.36	--	--	--	--	--	4260	261	430	--	--
09/06/91	--	--	4.43	--	--	--	--	21,000	10,000	100	240	560	--
12/15/91	--	--	4.78	--	--	--	--	20,000	4900	43	110	330	--
03/03/92	--	--	2.39	--	--	--	--	13,000	5800	730	340	1200	--
06/04/92	4.08	0.00	4.08	--	--	--	--	34,000	9400	350	290	1200	--
10/13/92	4.08	-0.67	4.75	--	--	--	--	24,000	11,000	98	280	530	--
01/11/93	4.08	1.82	2.26	Sheen	--	--	--	7100	1500	130	150	700	--
04/14/93	4.08	1.18	2.90	Sheen	--	--	--	29,000	7300	4000	640	2300	--
07/13/93	4.08	0.11	3.97	Sheen	--	--	--	650,000	27,000	18,000	6300	29,000	--
10/19/93	4.08	-0.42	4.50	--	--	--	--	40,000	12,000	730	1100	3600	--
11/30/93	7.50	3.23	4.27	--	--	--	--	--	--	--	--	--	--
01/27/94	7.50	4.15	3.35	--	--	--	--	36,000	8600	220	670	1900	--
04/07/94	7.50	4.08	3.42	--	--	--	--	53,000	12,000	3500	480	3300	--
07/01/94	7.50	3.54	3.96	--	--	--	--	65,000	19,000	5900	1000	9000	--
10/05/94	7.50	3.11	4.39	--	--	--	--	160,000	23,000	12,000	2200	11,000	--
01/12/95	7.50	6.38	1.52	0.50	0.26	0.26	--	--	--	--	--	--	--
04/26/95	7.50	4.86	4.40	2.20	1.32	1.58	--	--	--	--	--	--	--
07/12/95	7.50	4.10	4.85	1.81	0.66	2.24	--	--	--	--	--	--	--
C-2													
08/18/86	--	--	--	--	--	--	--	--	--	--	--	--	--
09/04/86	--	--	--	--	--	--	--	1100	49	18	84	--	--
07/22/87	--	--	--	--	--	--	--	<50	1.8	<1.0	<4.0	--	--
05/03/89	--	--	--	--	--	--	Abandoned	--	--	--	--	--	--

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.			Volumetric Measurements are in gallons.				Analytical results are in parts per billion (ppb)						
DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	Other
C-3													
08/18/86	--	--	4.00	--	--	--	--	--	--	--	--	--	--
09/04/86	--	--	--	--	--	--	--	50	3.2	5.4	5.8	--	--
07/22/87	--	--	--	--	--	--	--	<50	<0.5	<1.0	<4.0	--	--
05/03/89	--	--	4.15	--	--	--	--	<50	<0.5	<1.0	<2.0	--	--
12/04/89	--	--	4.24	--	--	--	--	<250	<0.5	<0.5	<0.5	--	--
02/14/90	--	--	3.57	--	--	--	--	<50	<0.5	<0.5	<0.5	--	--
03/07/90	--	--	3.31	--	--	--	--	--	<5.0	<5.0	<5.0	--	--
09/06/91	--	--	4.59	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/15/91	--	--	4.84	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/03/92	--	--	2.17	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/04/92	4.41	0.40	4.01	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/13/92	4.41	-0.38	4.79	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/11/93	4.41	2.40	2.01	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/14/93	4.41	1.65	2.76	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/13/93	4.41	0.45	3.96	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
10/19/93	4.41	-0.12	4.53	--	--	--	--	66	12	1.4	1.0	8.4	--
11/30/93	7.83	3.79	4.04	--	--	--	--	--	--	--	--	--	--
01/27/94	7.83	4.66	3.17	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/07/94	7.83	4.63	3.20	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/01/94	7.83	3.84	3.99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/05/94	7.83	3.29	4.54	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/12/95	7.83	7.03	0.80	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
05/02/95	7.83	5.68	2.15	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/12/95	7.83	4.41	3.42	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.				Volumetric Measurements are in gallons.			Analytical results are in parts per billion (ppb)						
DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	Other
MW-4													
06/04/92	3.58	-0.05	3.63	--	--	--	--	<50	0.8	<0.5	<0.5	<0.5	--
10/13/92	3.58	--	--	--	--	--	--	--	--	--	--	--	--
01/11/93	3.58	1.69	1.89	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/14/93	3.58	1.38	2.20	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
07/13/93	3.58	0.07	3.51	--	--	--	--	54	2.6	1.6	<0.5	<1.5	--
10/19/93	3.58	-0.64	4.22	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/30/93	7.01	3.00	4.01	--	--	--	--	--	--	--	--	--	--
01/27/94	7.01	4.12	2.89	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/07/94	7.01	3.95	3.06	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/01/94	7.01	3.42	3.59	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/05/94	7.01	2.68	4.33	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/12/95	7.01	5.81	1.20	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/26/95	7.01	5.86	1.15	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/12/95	7.01	4.29	2.72	--	--	--	--	<50	6.4	<0.5	0.63	0.72	--

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.				Volumetric Measurements are in gallons.			Analytical results are in parts per billion (ppb)						
DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	Other
MW-5													
06/04/92	3.61	0.36	3.25	--	--	--	--	560	110	0.5	37	2.2	--
10/13/92	3.61	-0.59	4.20	--	--	--	--	1200	150	<2.5	84	8.6	--
01/11/93	3.61	2.31	1.30	--	--	--	--	1300	48	1.0	83	33	--
04/14/93	3.61	2.41	1.20	--	--	--	--	2600	240	6.1	250	170	--
07/13/93	3.61	0.46	3.15	--	--	--	--	1700	260	7.8	160	100	--
10/19/93	3.61	-0.21	3.82	--	--	--	--	1900	190	3.3	200	93	--
11/30/93	7.04	3.48	3.56	--	--	--	--	--	--	--	--	--	--
01/27/94	7.04	4.62	2.42	--	--	--	--	4000	100	12	210	110	--
04/07/94	7.04	4.71	2.33	--	--	--	--	2600	170	10	150	88	--
07/01/94	7.04	3.86	3.18	--	--	--	--	2300	350	9.1	110	76	--
10/05/94	7.04	3.06	3.98	--	--	--	--	11,000	840	150	130	340	--
01/12/95	7.04	6.64	0.40	--	--	--	--	2300	82	<2.5	54	20	--
04/26/95	7.04	6.54	0.50	--	--	--	--	1600	52	<5.0	36	61	--
07/12/95	7.04	4.63	2.41	--	--	--	--	2800	150	<5.0	34	38	--
MW-6													
06/04/92	3.85	-0.04	3.89	--	--	--	--	210	54	<0.5	1.9	2.4	--
10/13/92	3.85	-0.71	4.56	--	--	--	--	10,000	5300	<10	70	<10	--
01/11/93	3.85	1.49	2.36	--	--	--	--	100	50	<0.5	<0.5	<0.5	--
04/14/93	3.85	0.70	3.15	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/13/93	3.85	-0.09	3.94	--	--	--	--	<50	1.8	<0.5	<0.5	<1.5	--
10/19/93	3.85	-0.55	4.40	--	--	--	--	320	150	<0.5	0.8	<0.5	--
11/30/93	7.27	3.11	4.16	--	--	--	--	--	--	--	--	--	--
01/27/94	7.27	3.94	3.33	--	--	--	--	120	45	<0.5	<0.5	<0.5	--
04/07/94	7.27	3.84	3.43	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/01/94	7.27	3.33	3.94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/05/94	7.27	2.89	4.38	--	--	--	--	8300	2400	160	42	190	--
01/12/95	7.27	4.84	2.43	--	--	--	--	<50	12	<0.5	<0.5	<0.5	ND*
04/26/95	7.27	5.21	2.06	--	--	--	--	<50	5.5	0.67	<0.5	1.3	--
07/12/95	7.27	3.74	3.53	--	--	--	--	65	27	<0.5	<0.5	<0.5	--

* EPA 8010

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.				Volumetric Measurements are in gallons.			Analytical results are in parts per billion (ppb)						
DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	Other
MW-7													
11/30/93	8.22	2.89	5.33	--	--	--	--	480	110	41	4.4	38	--
01/27/94	8.22	3.72	4.50	--	--	--	--	120	21	1.1	2.2	4.8	--
04/07/94	8.22	3.60	4.62	--	--	--	--	2600	630	39	56	94	--
07/01/94	8.22	3.09	5.13	--	--	--	--	2200	770	42	<10	92	--
10/05/94	8.22	2.61	5.61	--	--	--	--	15,000	3300	90	130	320	--
01/12/95	8.22	5.39	2.83	--	--	--	--	340	57	<1.3	18	6.4	--
04/26/95	8.22	5.87	2.35	--	--	--	--	15,000	3700	210	520	800	--
07/12/95	8.22	3.56	4.66	--	--	--	--	7700	1800	59	130	370	--
TMW-1													
11/11/93	--	--	--	--	--	--	--	<1.0	<0.5	<0.5	<0.5	<0.5	--

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Volumetric Measurements are in gallons.

Analytical results are in parts per billion (ppb)

DATE	Well	Ground	Depth	Total			Notes	TPH- Gasoline	Benzene	Toluene	Ethyl- Benzene	Xylene	Other
	Head Elev.	Water Elev.	To Water	SPH Thickness	SPH Removed	SPH Removed							
TRIP BLANK													
02/14/90	--	--	--	--	--	--	--	<50	<0.5	1.1	<0.5	<0.5	--
09/06/91	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/15/91	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/03/92	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/04/92	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/13/92	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/11/93	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/14/93	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/13/93	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/19/93	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
01/27/94	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/07/94	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/01/94	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/05/94	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/12/95	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/26/95	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/12/95	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--

Note: Blaine Tech Services, Inc. began routine monitoring of the groundwater wells at this site on November 1, 1994.
Earlier field data and analytical results are drawn from the September 27, 1994 Groundwater Technology, Inc. report.

ABBREVIATIONS:

TPH = Total Petroleum Hydrocarbons
SPH = Separate-Phase Hydrocarbons

Analytical Appendix



Blaine Technical Services
985 Timothy Drive
San Jose, CA 95133

Client Proj. ID: Chevron 9-1153, 950712-K4
Sample Descript: C-3
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9507708-01

Sampled: 07/12/95
Received: 07/13/95
Analyzed: 07/17/95
Reported: 07/24/95

QC Batch Number: GC071795BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	91

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager





Blaine Technical Services
985 Timothy Drive
San Jose, CA 95133

Client Proj. ID: Chevron 9-1153, 950712-K4
Sample Descript: MW-4
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9507708-02

Sampled: 07/12/95
Received: 07/13/95
Analyzed: 07/17/95
Reported: 07/24/95

QC Batch Number: GC071795BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	6.4
Toluene	0.50	N.D.
Ethyl Benzene	0.50	0.63
Xylenes (Total)	0.50	0.72
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	95

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210


Peggy Penner
Project Manager





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: Chevron 9-1153, 950712-K4 Sample Descript: MW-5 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9507708-03	Sampled: 07/12/95 Received: 07/13/95 Analyzed: 07/17/95 Reported: 07/24/95
Attention: Jim Keller		

QC Batch Number: GC071795BTEX03A
Instrument ID: GCHP03

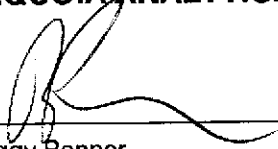
Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	500	2800
Benzene	5.0	150
Toluene	5.0	N.D.
Ethyl Benzene	5.0	34
Xylenes (Total)	5.0	38
Chromatogram Pattern:		Gas

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	100

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210


Peggy Penner
Project Manager





Blaine Technical Services
985 Timothy Drive
San Jose, CA 95133

Client Proj. ID: Chevron 9-1153, 950712-K4
Sample Descript: MW-6
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9507708-04

Sampled: 07/12/95
Received: 07/13/95
Analyzed: 07/17/95
Reported: 07/24/95


QC Batch Number: GC071795BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	65
Benzene	0.50	27
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	91

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210


Peggy Penner
Project Manager





Blaine Technical Services
985 Timothy Drive
San Jose, CA 95133

Client Proj. ID: Chevron 9-1153, 950712-K4
Sample Descript: MW-7
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9507708-05

Sampled: 07/12/95
Received: 07/13/95
Analyzed: 07/18/95
Reported: 07/24/95

QC Batch Number: GC071895BTEX06A
Instrument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	2000	7700
Benzene	20	1800
Toluene	20	59
Ethyl Benzene	20	130
Xylenes (Total)	20	370
Chromatogram Pattern:		Gas

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	101

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager





Blaine Technical Services
985 Timothy Drive
San Jose, CA 95133

Client Proj. ID: Chevron 9-1153, 950712-K4
Sample Descript: TB
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9507708-06

Sampled: 07/12/95
Received: 07/13/95
Analyzed: 07/17/95
Reported: 07/24/95

QC Batch Number: GC071795BTEX07A
Instrument ID: GCHP07

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	72

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210



Peggy Penner
Project Manager





**Sequoia
Analytical**

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8

Redwood City, CA 94063
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(415) 364-9600
(510) 988-9600
(916) 921-9600

FAX (415) 364-9233
FAX (510) 988-9673
FAX (916) 921-0100

Blaine Technical Services
985 Timothy Drive
San Jose, CA 95133
Attention: Jim Keller

Client Proj. ID: Chevron 9-1153, 950712-K4

Received: 07/13/95

Lab Proj. ID: 9507708

Reported: 07/24/95

LABORATORY NARRATIVE

TPPH Note: Sample 9507708-03 was diluted 10-fold.
Sample 9507708-05 was diluted 40-fold.

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager





Blaine Tech Services, Inc.
985 Timothy Drive
San Jose, CA 95133
Attention: Jim Keller

Client Project ID: **Chevron 9-1153, 950712-K4**
Matrix: **Liquid**

Work Order #: **9507708 -01-04**

Reported: **Jul 25, 1995**

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC071795BTEX03A	GC071795BTEX03A	GC071795BTEX03A	GC071795BTEX03A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	950714002	950714002	950714002	950714002
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	7/17/95	7/17/95	7/17/95	7/17/95
Analyzed Date:	7/17/95	7/17/95	7/17/95	7/17/95
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.7	9.6	9.9	29
MS % Recovery:	97	96	99	97
Dup. Result:	10	10	10	31
MSD % Recov.:	100	100	100	103
RPD:	3.0	4.1	1.0	6.7
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-

MS/MSD LCS	71-133	72-128	72-130	71-120
Control Limits				

SEQUOIA ANALYTICAL

Peggy Penner
Peggy Penner
Project Manager

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

9507708.BLA <1>





Sequoia Analytical

680 Chesapeake Drive
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(510) 988-9600
(916) 921-9600

FAX (415) 364-9233
FAX (510) 988-9673
FAX (916) 921-0100

Blaine Tech Services, Inc.
985 Timothy Drive
San Jose, CA 95133
Attention: Jim Keller

Client Project ID: Chevron 9-1153, 950712-K4
Matrix: Liquid

Work Order #: 9507708-05

Reported: Jul 25, 1995

QUALITY CONTROL DATA REPORT

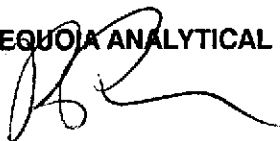
Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC071895BTEX06A	GC071895BTEX06A	GC071895BTEX06A	GC071895BTEX06A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	G. Garcia	G. Garcia	G. Garcia	G. Garcia
MS/MSD #:	950714003	950714003	950714003	950714003
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	7/18/95	7/18/95	7/18/95	7/18/95
Analyzed Date:	7/18/95	7/18/95	7/18/95	7/18/95
Instrument I.D.#:	GCHP6	GCHP6	GCHP6	GCHP6
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	8.7	8.5	8.7	25
MS % Recovery:	87	85	87	83
Dup. Result:	9.1	8.9	9.0	27
MSD % Recov.:	91	89	90	90
RPD:	4.5	4.6	3.4	7.7
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-

MS/MSD	LCS	Control Limits
71-133	72-128	72-130
71-120		

SEQUOIA ANALYTICAL


Peggy Penner
Project Manager

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

9507708.BLA <2>





Blaine Tech Services, Inc.
985 Timothy Drive
San Jose, CA 95133
Attention: Jim Keller

Client Project ID: **Chevron 9-1153, 950712-K4**
Matrix: **Liquid**

Work Order #: **9507708-06**

Reported: **Jul 25, 1995**

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC071795BTEX07A	GC071795BTEX07A	GC071795BTEX07A	GC071795BTEX07A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	G. Garcia	G. Garcia	G. Garcia	G. Garcia
MS/MSD #:	950710401	950710401	950710401	950710401
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	7/17/95	7/17/95	7/17/95	7/17/95
Analyzed Date:	7/17/95	7/17/95	7/17/95	7/17/95
Instrument I.D.#:	GCHP7	GCHP7	GCHP7	GCHP7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	8.4	8.5	8.4	25
MS % Recovery:	84	85	84	83
Dup. Result:	9.2	9.2	9.2	27
MSD % Recov.:	92	92	92	90
RPD:	9.1	7.9	9.1	7.7
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-

MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Reggy Penner
Reggy Penner
Project Manager

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS= Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

9507708.BLA <3>



Fax copy of Lab Report and COC to Chevron Contact: Yes No

Chain-of-Custody-Re

Chevron U.S.A. Inc. P.O. BOX 5004 San Ramon, CA 94583 FAX (415)842-9591	Chevron Facility Number <u>9-1153</u>	Chevron Contact (Name) <u>Mark Miller</u>
	Facility Address <u>3126 Fernside Blvd., Alameda, CA</u>	(Phone) <u>(510) 842-8134</u>
Consultant Project Number <u>950712-K4</u>	Consultant Name <u>Blaine Tech Services, Inc.</u>	Laboratory Name <u>Sequoia</u>
Address <u>985 Timothy Dr., San Jose, CA 95133</u>	Project Contact (Name) <u>Jim Keller</u>	Laboratory Release Number <u>2172740</u>
(Phone) <u>108-995-5535</u> (Fax Number) <u>408-293-8773</u>		Samples Collected by (Name) <u>Keith Brown</u>
		Collection Date <u>7/12/95</u>
		Signature <u>[Signature]</u>

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type C = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed										DO NOT BILL FOR TB-LB						
								BTEX + TPH GAS (6020 + 6015)	TPH Diesel (6015)	Oil and Grease (5520)	Purgeable Halocarbons (6010)	Purgeable Aromatics (6020)	Purgeable Organics (6240)	Extractable Organics (6270)	Metals Cd, Cr, Pb, Zn, Ni (1049 or AA)									
		3	W	D		HK1	Y																9507708 Remarks	
C-3					1400			X															1	
MW 4					1415			X																2
MW 5					1500			X																3
MW 6					1440			X																4
MW 7					1520			X																5
TB		2			-			X																6

Relinquished By (Signature) <u>[Signature]</u>	Organization <u>BTIS</u>	Date/Time <u>7/12/95</u>	Received By (Signature) <u>[Signature]</u>	Organization <u>Sequoia</u>	Date/Time <u>7/13/95</u>	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days 10 Days As Contracted
Relinquished By (Signature) <u>[Signature]</u>	Organization <u>Sequoia</u>	Date/Time <u>7/13/95</u>	Received By (Signature) <u>[Signature]</u>	Organization <u>Sequoia</u>	Date/Time <u>7/13/95</u>	
Relinquished By (Signature) <u>[Signature]</u>	Organization <u>Sequoia</u>	Date/Time <u>7/13/95</u>	Received For Laboratory By (Signature) <u>[Signature]</u>	Organization <u>Sequoia</u>	Date/Time <u>7/13/95</u>	

COC-3.dwg/03 91/ANCA

**Field
Data
Sheets**

CHEVRON WELL MONITORING DATA SHEET

Project #: <u>950712-104</u>	Station #: <u>7/12/95</u>
Sampler: <u>KCB</u>	Start Date: <u>7/12</u>
Well I.D.: <u>C-1</u>	Well Diameter: (circle one) 2 <u>3</u> 4 6
Total Well Depth: Before _____ After _____	Depth to Water: Before <u>485</u> After _____
Depth to Free Product: <u>304</u>	Thickness of Free Product (feet): <u>1.81</u>
Measurements referenced to: <u>FVC</u> Grade Other:	

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

_____	X	_____	=	_____
1 Case Volume		Specified Volumes		gallons

Purging: Bailer
 Disposable Bailer
 Middleburg
 Electric Submersible
 Extraction Pump
 Other _____

Sampling: Bailer
 Disposable Bailer
 Extraction Port
 Other _____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:

Did Well Dewater? If yes, gals. Gallons Actually Evacuated:

Sampling Time: 1540 Sampling Date: 7/12

Sample I.D.: C-1 KP Laboratory: Chevron Terminal

Analyzed for: TPH-G BTEX TPH-D OTHER:
 (Circle) KP I.P.

Duplicate I.D.: _____ Cleaning Blank I.D.: _____

Analyzed for: TPH-G BTEX TPH-D OTHER:
 (Circle) _____

CHEVRON WELL MONITORING DATA SHEET

Project #: <u>950712-104</u>	Station #: <u>9-1153</u>
Sampler: <u>KCS</u>	Start Date: <u>7/12</u>
Well I.D.: <u>C-3</u>	Well Diameter: (circle one) <u>2</u> <u>3</u> 4 6
Total Well Depth: Before <u>1900</u> After	Depth to Water: Before <u>342</u> After
Depth to Free Product: <u> </u>	Thickness of Free Product (feet): <u> </u>
Measurements referenced to: <u>PVC</u>	Grade Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

<u>5.8</u>	x	<u>3</u>	=	<u>17.4</u>
1 Case Volume		Specified Volumes		gallons

Purging: Bailer
 Disposable Bailer
 Middleburg
 Electric Submersible
 Extraction Pump
 Other _____

Sampling: Bailer
 Disposable Bailer
 Extraction Port
 Other _____

TIME	TEMP. (F)	PH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>1344</u>	<u>64.6</u>	<u>7.7</u>	<u>700</u>	<u>—</u>	<u>6</u>	
<u>1349</u>	<u>65.8</u>	<u>7.8</u>	<u>660</u>	<u>—</u>	<u>12</u>	
<u>1355</u>	<u>66.0</u>	<u>7.8</u>	<u>650</u>	<u>—</u>	<u>17.5</u>	

Did Well Dewater? If yes, gals. ← Gallons Actually Evacuated: 175

Sampling Time: 1400 Sampling Date: 7/12

Sample I.D.: C-3 Laboratory: Ses

Analyzed for: TPH-G BTEX TPH-D OTHER:

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for: TPH-G BTEX TPH-D OTHER:
 (Circle)

CHEVRON WELL MONITORING DATA SHEET

Project #: <u>950712-109</u>	Station #: <u>9-1153</u>
Sampler: <u>ICGS</u>	Start Date: <u>7/12</u>
Well I.D.: <u>MW-4</u>	Well Diameter: (circle one) <u>(2)</u> 3 4 6
Total Well Depth: Before <u>1338</u> After	Depth to Water: Before <u>272</u> After
Depth to Free Product: _____	Thickness of Free Product (feet): _____
Measurements referenced to: <u>PVC</u> Grade Other:	

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

<u>1.9</u>	<u>x</u>	<u>3</u>	<u>=</u>	<u>5.1</u>
1 Case Volume		Specified Volumes		gallons

Purging: Bailer Disposable Bailer <input checked="" type="checkbox"/> Middleburg Electric Submersible Extraction Pump Other _____	Sampling: Bailer Disposable Bailer <input checked="" type="checkbox"/> Extraction Port Other _____
--	---

TIME	TEMP. (F)	PH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1409	66.4	7.6	2400	—	2	light brown
1411	65.6	7.4	2000	—	4	
1413	65.8	7.4	1900	—	5.2	

Did Well Dewater? <input checked="" type="checkbox"/> If yes, gals. _____	Gallons Actually Evacuated: <u>5.2</u>
Sampling Time: <u>1415</u>	Sampling Date: <u>7/12</u>
Sample I.D.: <u>MW-4</u>	Laboratory: <u>Scr</u>
Analyzed for: <u>TPH-G</u> <u>BTEX</u> TPH-D OTHER:	
Duplicate I.D.: _____	Cleaning Blank I.D.: _____
Analyzed for: <u>TPH-G</u> <u>BTEX</u> TPH-D OTHER:	

CHEVRON WELL MONITORING DATA SHEET

Project #: <u>950712-K1</u>	Station #: <u>9-1153</u>
Sampler: <u>ICPB</u>	Start Date: <u>7/12</u>
Well I.D.: <u>MWS</u>	Well Diameter: (circle one) <u>2</u> . 3 4 6
Total Well Depth: Before <u>1320</u> After	Depth to Water: Before <u>241</u> After
Depth to Free Product: _____	Thickness of Free Product (feet): _____
Measurements referenced to: <u>(FVC)</u>	Grade Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

1.7 x 3 = 5.1
 1 Case Volume Specified Volumes = gallons

Purging: Bailer Disposable Bailer <input checked="" type="checkbox"/> Middleburg Electric Submersible Extraction Pump Other _____	Sampling: Bailer Disposable Bailer <input checked="" type="checkbox"/> Extraction Port Other _____
--	---

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>1450</u>	<u>71.4</u>	<u>7.4</u>	<u>880</u>	<u>—</u>	<u>2</u>	<u>color / light grey</u>
<u>1452</u>	<u>69.4</u>	<u>7.4</u>	<u>880</u>	<u>—</u>	<u>4</u>	
<u>1454</u>	<u>68.8</u>	<u>7.4</u>	<u>860</u>	<u>—</u>	<u>5.2</u>	

Did Well Dewater? If yes, gals. _____ Gallons Actually Evacuated: 5.2

Sampling Time: 1500 Sampling Date: 7/12

Sample I.D.: MWS Laboratory: Seq

Analyzed for: (TPH-G) (BTEX) TPH-D OTHER:

Duplicate I.D.: _____ Cleaning Blank I.D.: _____

Analyzed for: TPH-G BTEX TPH-D OTHER:
(Circle)

CHEVRON WELL MONITORING DATA SHEET

Project #: <u>950212-K4</u>	Station #: <u>9-1153</u>
Sampler: <u>ICCB</u>	Start Date: <u>7/12</u>
Well I.D.: <u>MW-6</u>	Well Diameter: (circle one) <u>2</u> 3 4 6
Total Well Depth: Before <u>1414</u> After	Depth to Water: Before <u>353</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>PVC</u>	Grade Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

<u>1.7</u>	\times	<u>3</u>	$=$	<u>5.1</u>	gallons
1 Case Volume		Specified Volumes			

Purging: Bailer
 Disposable Bailer
 Middleburg
 Electric Submersible
 Extraction Pump
 Other _____

Sampling: Bailer
 Disposable Bailer
 Extraction Port
 Other _____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>1429</u>	<u>70.0</u>	<u>7.6</u>	<u>1200</u>	<u>—</u>	<u>2</u>	<u>light brown / silty</u>
<u>1433</u>	<u>69.2</u>	<u>7.5</u>	<u>1100</u>	<u>—</u>	<u>4</u>	
<u>1436</u>	<u>68.8</u>	<u>7.5</u>	<u>1100</u>	<u>—</u>	<u>52</u>	

Did Well Dewater? N If yes, gals. _____ Gallons Actually Evacuated: 52

Sampling Time: 1440 Sampling Date: 7/12

Sample I.D.: MW-6 Laboratory: Seq

Analyzed for: (Circle) TPH-G BTEX TPH-D OTHER:

Duplicate I.D.: _____ Cleaning Blank I.D.: _____

Analyzed for: (Circle) TPH-G BTEX TPH-D OTHER:

CHEVRON WELL MONITORING DATA SHEET

Project #: <u>950712-K1</u>	Station #: <u>9-1153</u>
Sampler: <u>KCB</u>	Start Date: <u>7/12</u>
Well I.D.: <u>MW7</u>	Well Diameter: (circle one) <u>2</u> 3 4 6
Total Well Depth: Before <u>1454</u> After	Depth to Water: Before <u>466</u> After
Depth to Free Product: _____	Thickness of Free Product (feet): _____
Measurements referenced to: <u>(FVC)</u>	Grade _____ Other: _____

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

<u>1.6</u>	x	<u>3</u>	=	<u>4.8</u>
1 Case Volume		Specified Volumes		gallons

Purging: Bailer
 Disposable Bailer
 Middleburg
 Electric Submersible
 Extraction Pump
 Other _____

Sampling: Bailer
 Disposable Bailer
 Extraction Port
 Other _____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1509	74.0	7.0	1100	—	2	slur / light grey
1502	70.8	7.1	1000	—	4	
1514	69.6	7.1	1100	—	5	

Did Well Dewater? If yes, gals. _____ Gallons Actually Evacuated: 5

Sampling Time: 1520 Sampling Date: _____

Sample I.D.: MW7 Laboratory: Sg

Analyzed for: (TPH-G) (BTEX) TPH-D OTHER: _____

Duplicate I.D.: _____ Cleaning Blank I.D.: _____

Analyzed for: TPH-G BTEX TPH-D OTHER: _____



4-14-50

1497 B 464

1497 B 464

1.205.000

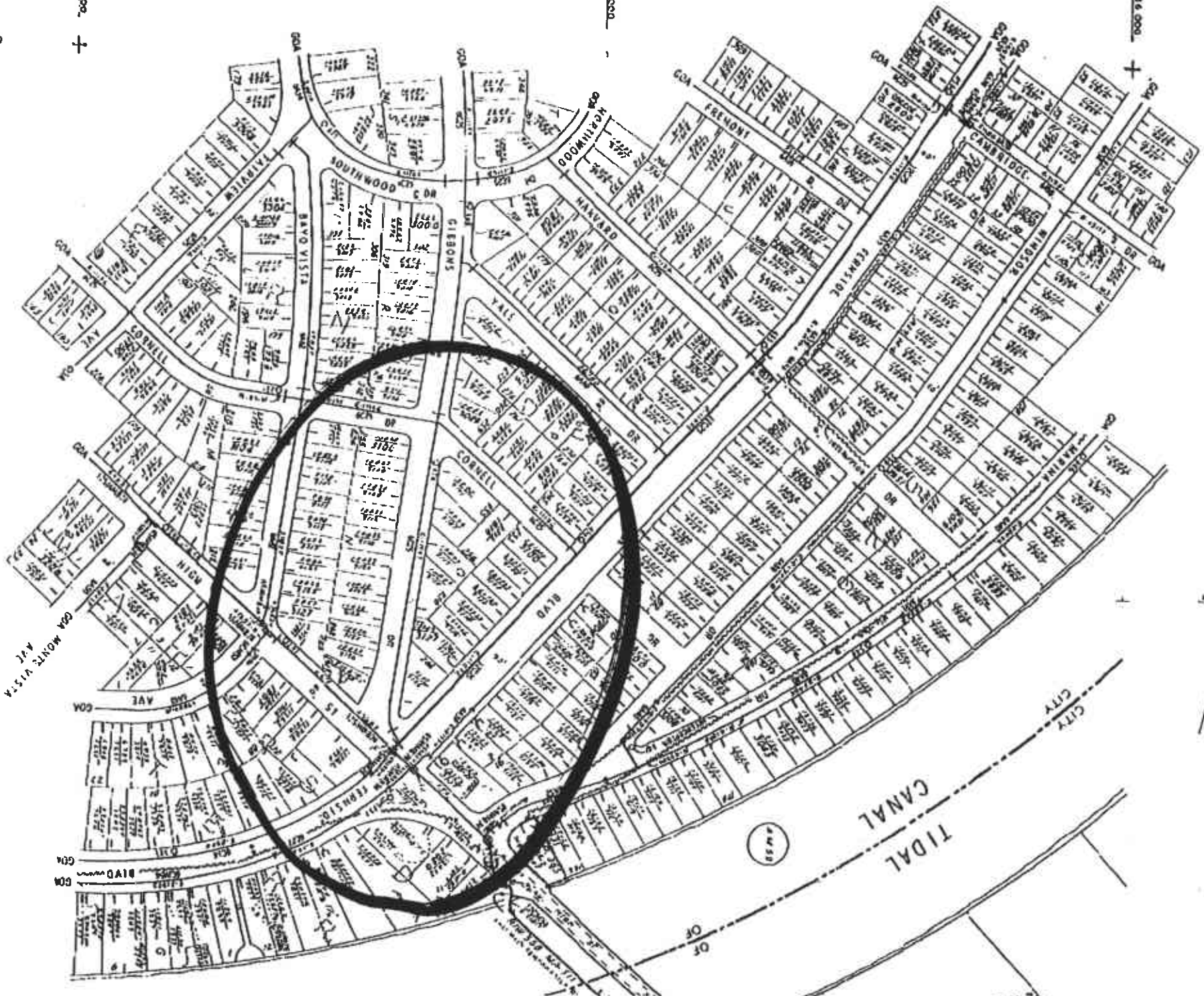
1.300.000

300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500

182.800
+

182.000

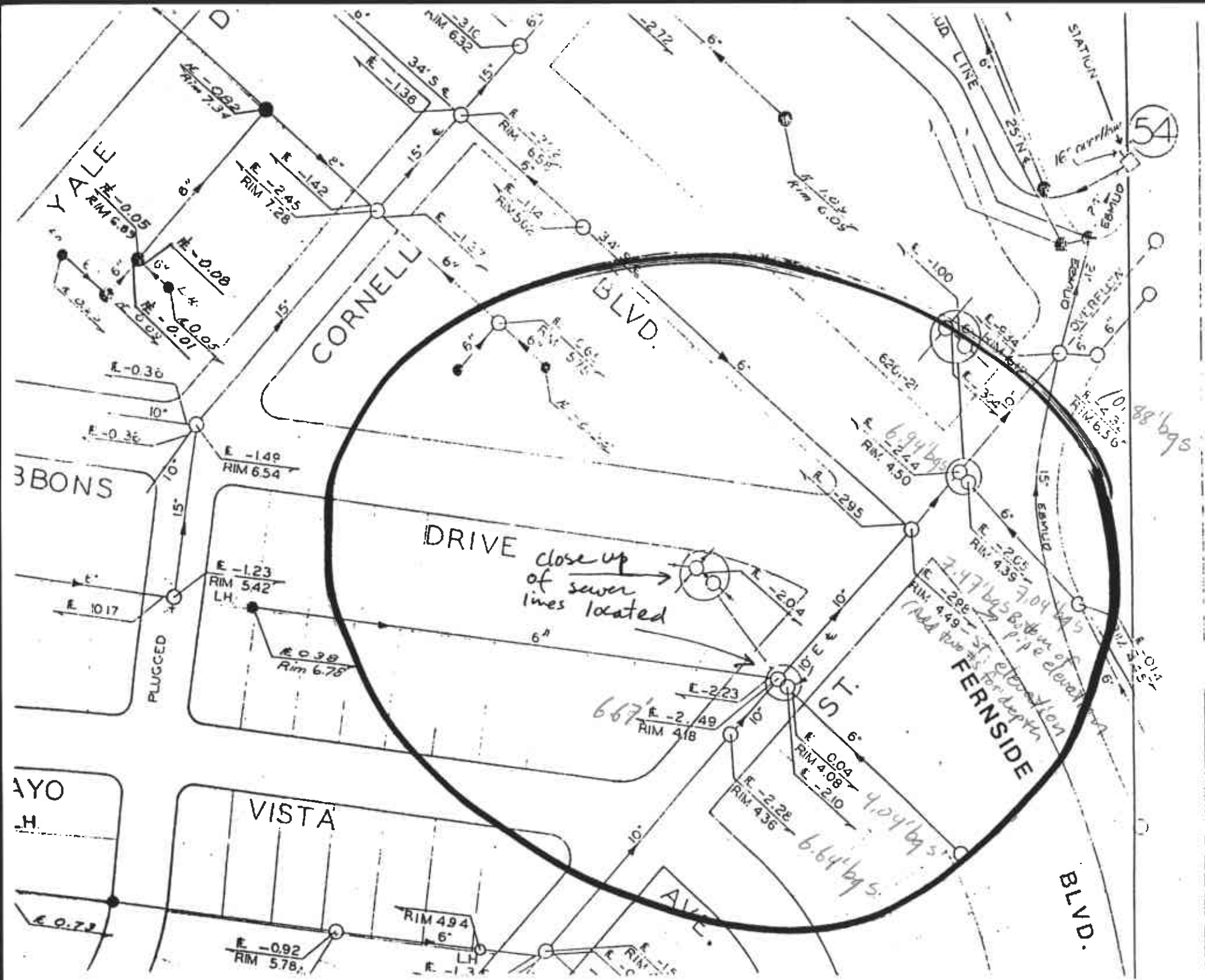
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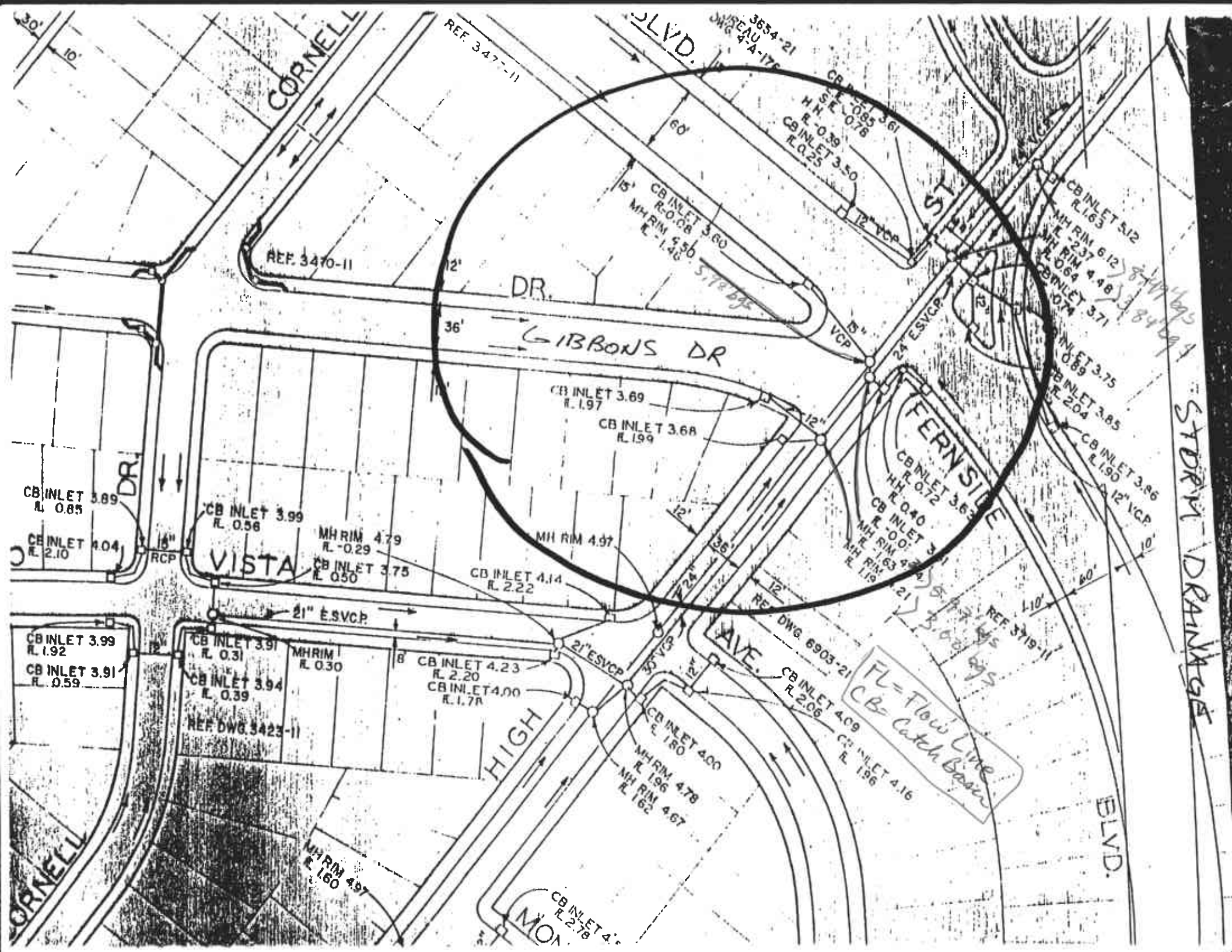
WATER LINE DIAGRAM

500 3 308

1.500 3 462



Underground sewer lines



3654-21
BUREAU
DWG 4A-178

CORNELL

REF 3471-11

BLVD.

CB INLET 3.61
R. 0.85
S.L. 0.78
R. 0.39
CB INLET 3.50
R. 0.25

CB INLET 3.12
R. 1.65
MH RIM 6.12
R. 2.37
MH RIM 4.48
R. 0.64
CB INLET 3.71
R. 0.74

REF 3470-11

DR.
GIBBONS DR

CB INLET 3.69
R. 1.97
CB INLET 3.68
R. 1.99

FERN SIDE

CB INLET 3.53
R. 0.72
MH RIM 3.00
R. 0.00
MH RIM 1.63
R. 1.19

CB INLET 3.75
R. 0.89
CB INLET 3.85
R. 2.04
CB INLET 3.86
R. 1.95
12\"/>

CB INLET 3.89
R. 0.85
CB INLET 4.04
R. 2.10

VISTA
CB INLET 3.99
R. 0.56
MHRIM 4.79
R. 0.29
CB INLET 3.75
R. 0.50

MH RIM 4.97

CB INLET 4.14
R. 2.22

CB INLET 3.99
R. 1.92
CB INLET 3.91
R. 0.59

CB INLET 3.91
R. 0.31
MHRIM 4.79
R. 0.30
CB INLET 3.94
R. 0.39

CB INLET 4.23
R. 2.20
CB INLET 4.00
R. 1.78

HIGH AVE.

CB INLET 4.09
R. 2.06

FL = Flow Line
CB = Catch Basin

REF DWG 3423-11

CB INLET 4.00
R. 1.50
MH RIM 4.78
R. 1.96
MH RIM 4.67
R. 1.62

CB INLET 4.16
R. 1.96

MHRIM 4.97
R. 1.60

MON
CB INLET 4.16
R. 2.78

BLVD.

STORM DRAINAGE

PUMPS
LIFTS
METERS
HOSE
COMPTONS
LUBRICATION

ROPEAN AUTO
REPAIR INC.

28 High ST.

MILPITAS, CALIF

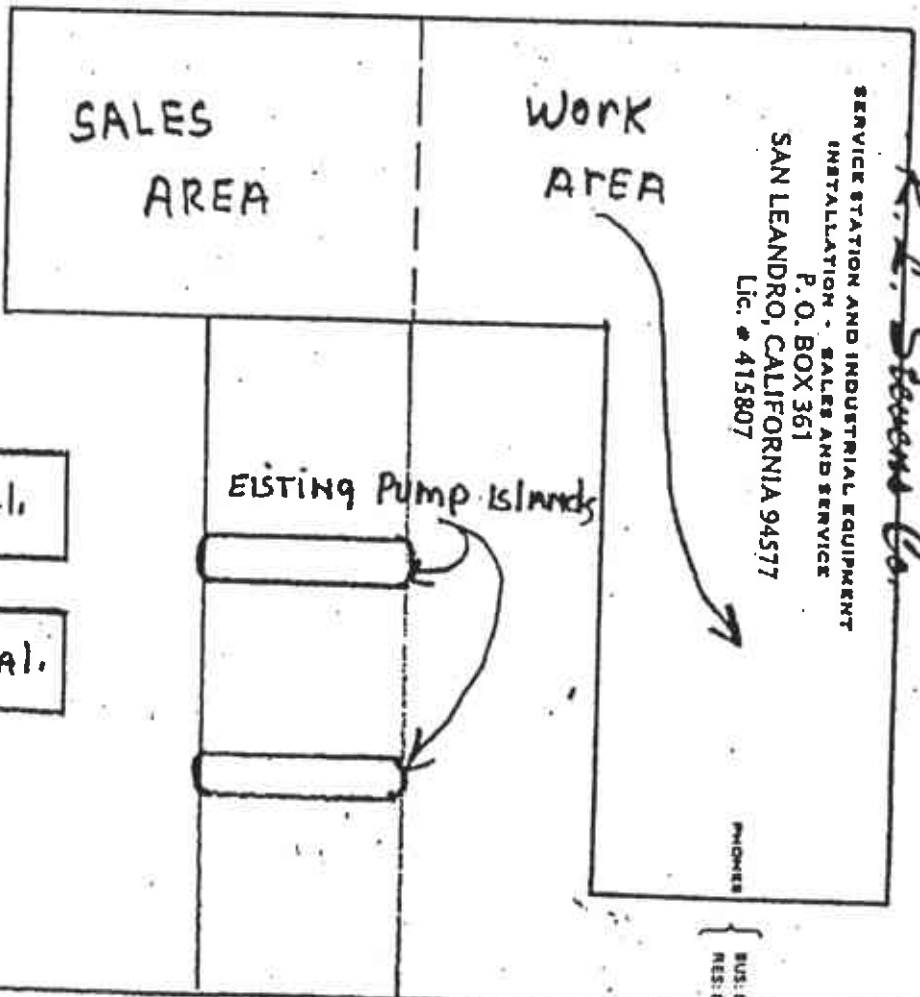
5/87

P.L. Stevens Co.

SERVICE STATION AND INDUSTRIAL EQUIPMENT
INSTALLATION - SALES AND SERVICE
P.O. BOX 361
SAN LEANDRO, CALIFORNIA 94577
Lic # 415807

PHONES

BUS: 879-0008
RES: 879-3009

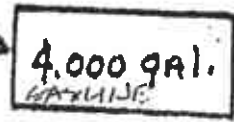
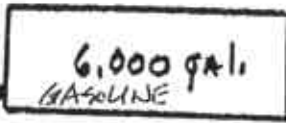


FERN SIDE

550 gal.
WASTE OIL TANK
TO REMOVE

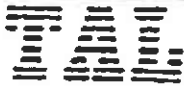


TANKS TO BE
REMOVED



HIGH STREET

ALL QUOTATIONS VOID AFTER THIRTY (30) DAYS. NOT RESPONSIBLE FOR FIRE, FLOODS, STR. FOR ACTS BEYOND OUR CONTROL



DATE: 6/29/87
LOG NO.: 4897
DATE SAMPLED: 6/23/87
DATE RECEIVED: 6/23/87

CUSTOMER: R. L. Stevens Company

REQUESTER: Robert Stevens

PROJECT: European Auto Repair Inc., 1928 High Street, Alameda

Sample Type: Soil

Method and
Constituent

Units

Detection
Limit

No. 1, 550 Gallon
Waste Oil Tank

Concentration

Modified EPA Method 8015:

Extractable Hydrocarbons mg/kg

0.2

< 0.2

DATE: 6/29/87
LOG NO.: 4897
DATE SAMPLED: 6/23/87
DATE RECEIVED: 6/23/87
PAGE: Two

Sample Type: Soil

<u>Method and Constituent</u>	<u>Units</u>	<u>Detection Limit</u>	<u>No. 2, 4000 Gallon Gasoline Tank.</u>	<u>No. 3, 6000 Gallon Gasoline Tank</u>
			<u>Concentration</u>	<u>Concentration</u>
Modified EPA Method 8015:				
Volatile Hydrocarbons	mg/kg	0.1	< 0.1	< 0.1
Modified EPA Method 8020:				
Benzene	mg/kg	0.01	< 0.01	< 0.01
Toluene	mg/kg	0.01	< 0.01	0.013
Xylene	mg/kg	0.01	0.092	0.066



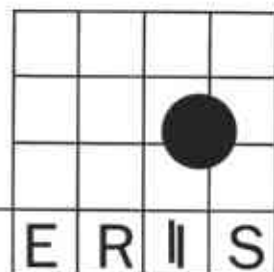
Ronald H. Ming Chew
Supervisory Chemist

RHC:mln



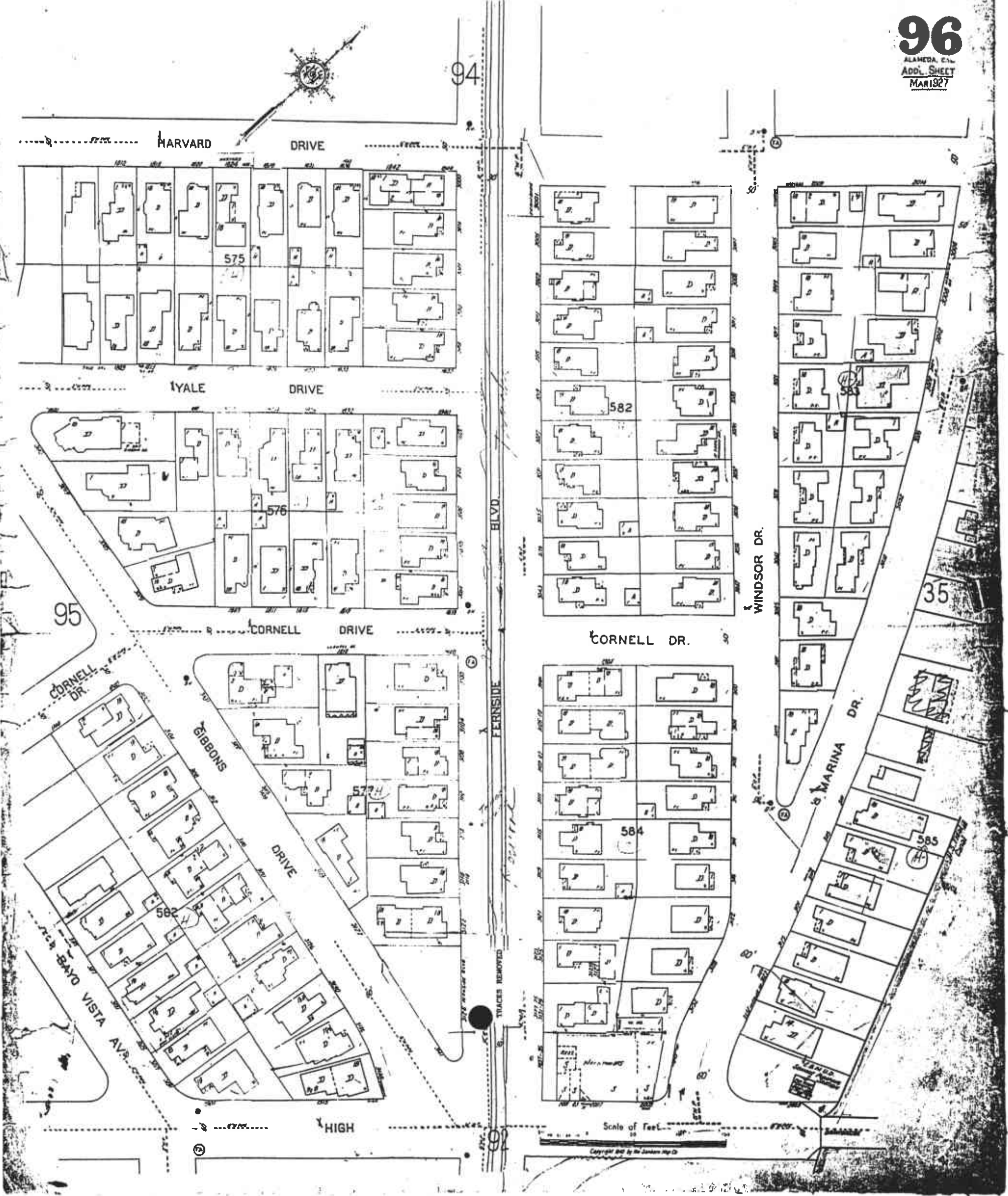
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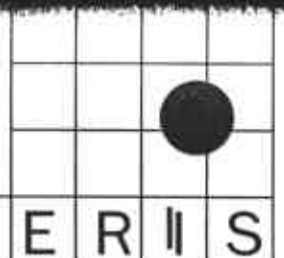
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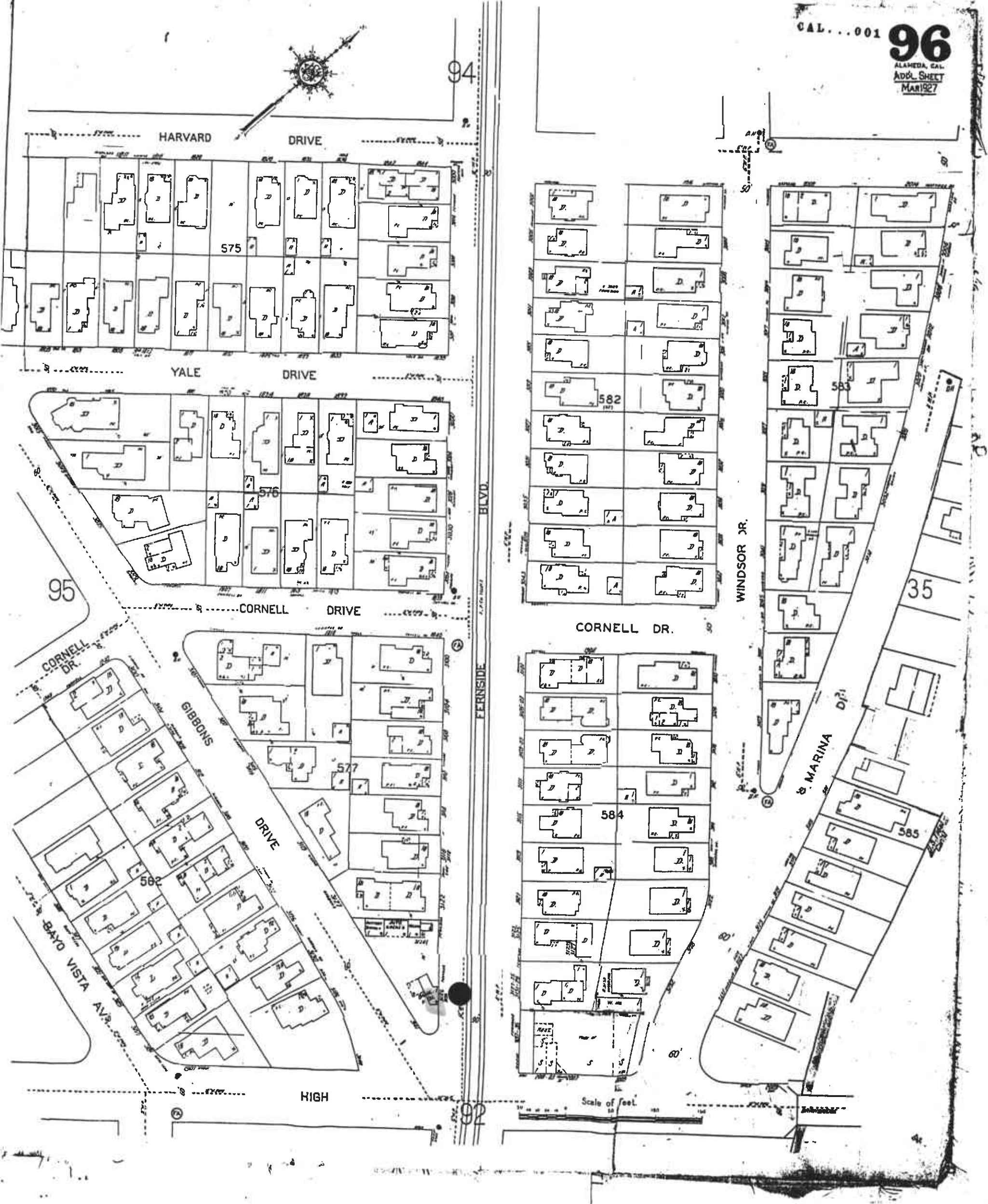
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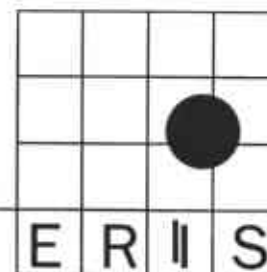
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