



Texaco

September 14, 1992

ENV - REMEDIATION

Mr. W. J. Ault
Exxon Company, USA
P. O. Box 4032
Concord, CA 94524-2032

**SUBJECT: Exxon Service Station/
Former Texaco Service Station
20499 Hesperian, Hayward, CA**

Dear Mr. Ault:

Thank you for your letter of September 9, 1992 informing Texaco of Exxon's proposed tank removal schedule at the subject site. The construction start date of September 28, 1992 noted in your letter provides only nineteen days prior notification not the thirty days notification as agreed to by Exxon. As a result Texaco requests that the construction start be delayed until October 8, 1992.

Attached for your reference is a site plan showing the intersection area of Hesperian Blvd. and West A Street which indicates monitoring wells (MW) relevant to this correspondence.

It is Texaco's understanding that protection of these wells from damage during demolition activities by Exxon will be Exxon's responsibility. In addition, Texaco understands that any repair, recompletion, abandonment, and replacement of these wells due to Exxon's activities will be Exxon's responsibility.

My review of relevant files indicates that in May 1988, a Sensitive Receptor Survey was conducted at this site which was followed by a subsurface investigation in June 1988. Eight soil samples were taken on site at four boring locations, and two soil samples were taken at two of the five MW's installed on site.

Only samples from on-site soil boring B-3 had detectable levels of hydrocarbons which ranged from 14 ppm TPHg at 5.5 feet to 76 ppm TPHg at 9.5 feet, all other soil samples were ND. Later soil samples taken from borings off-site indicated that concentrations of gasoline hydrocarbons in the upper 10 feet of vadose zone soils were either low or below analytical detection limits.

Groundwater samples taken in October 1988 from the five monitoring wells on site indicated BTEX ranging from 21.6 ppb to 828 ppb. Over time these concentrations have varied to as high as 92,000 ppb TPHg with the highest concentrations consistently observed in MW-

REC 88 05-16-17 TEXACO SHELL NY
P.2

Mr. W. J. Ault
Page 2
September 14, 1992

4E, adjacent to the off-site plume of free product described below.

In 1989 and 1990 off-site MW's 4F, 4G, 4H, 4I, 4J & 4K were installed and sampled to evaluate potential off-site contributions by other adjacent service stations. Free product was found in 4F, 4G, 4H & 4J. The free product plume is evident at 4J, near the property boundary of the Alliance service station across the street then continues down gradient to the other three wells.

MW-4K was installed adjacent to and down gradient of the Unocal station across West A St. Analytical results from groundwater samples taken from this well have ranged as high as 1,700 ppb TPHg and 450 ppb TPHd.

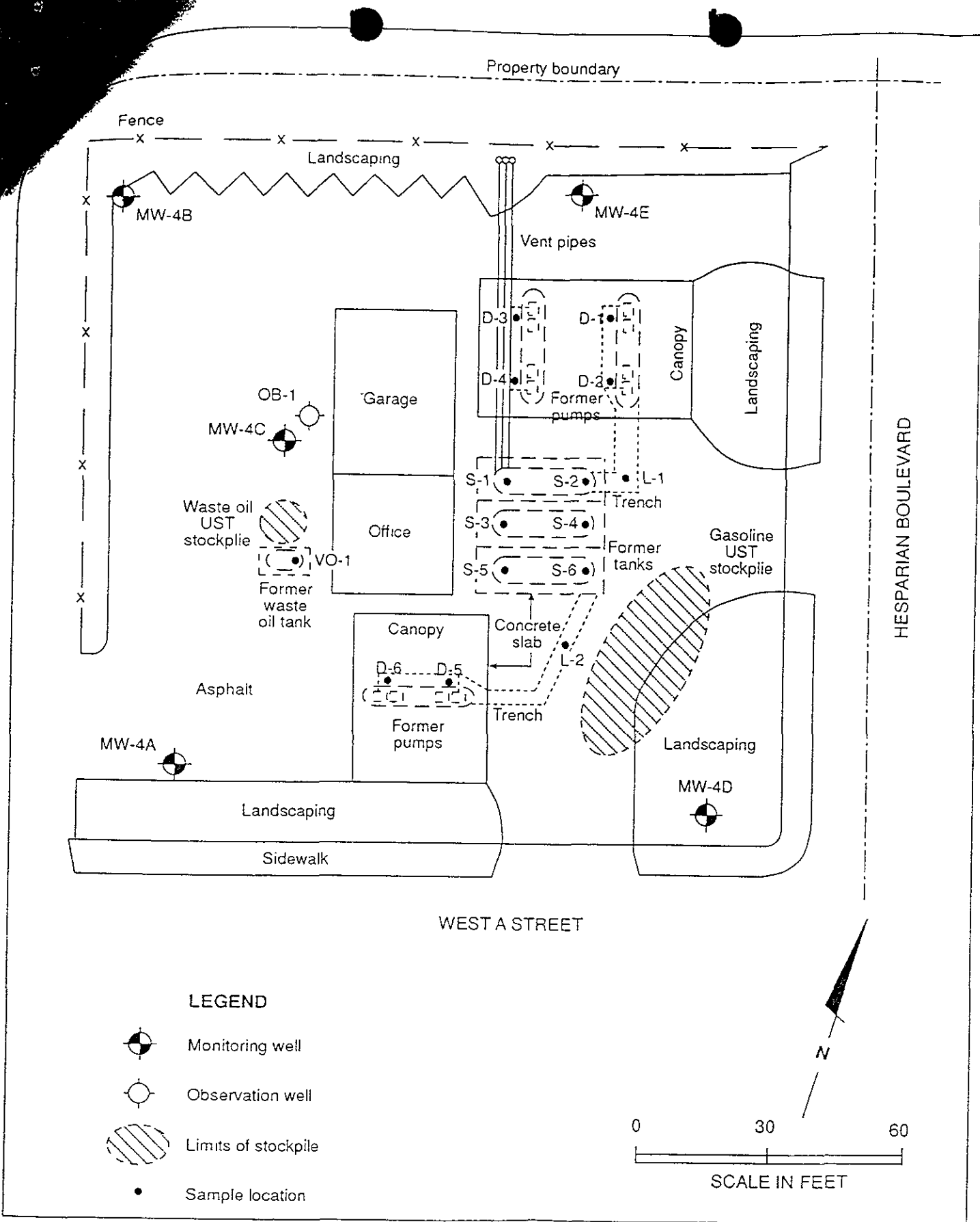
Diesel first appeared in groundwater samples on site in 1991 and is now found in every on-site monitoring well with concentrations reaching as high as 12,000 ppb TPHd in MW-4E.

It appears from the substantial data available that the majority, if not all, of the hydrocarbons impacting this site emanate from at least two off-site plumes. A TPHg plume coming from the direction of the Alliance station, the other a TPHg & TPHd plume coming from the direction of the Unocal station.





It is Texaco's understanding that it is Exxon's responsibility to pursue the other responsible parties for participation in clean-up costs at the subject site. Since Texaco's contribution to the contamination problem appears to be non-existent, or minimal at most, it is our position that Exxon, rather than Texaco, proceed with efforts toward site closure. In addition it is Texaco's understanding that most, if not all, of Texaco's environmental costs to date at the site are reimbursable under the terms of the Exchange.

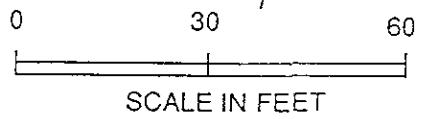
Therefore, while we appreciate being notified of your intentions to remove the underground fueling system we do not require a window of opportunity for investigation or remediation measures.

Finally, because of the ongoing discussion concerning application of certain terms of the Exxon/Texaco Exchange Agreement, Texaco's past decision to conduct a site investigation at this site is in no way to be construed as an admission of any liability or responsibility, nor does it mean that Texaco will not seek reimbursement of its' costs from any other party, including Exxon, at some future date.



LEGEND

-  Monitoring well
-  Observation well
-  Limits of stockpile
-  Sample location



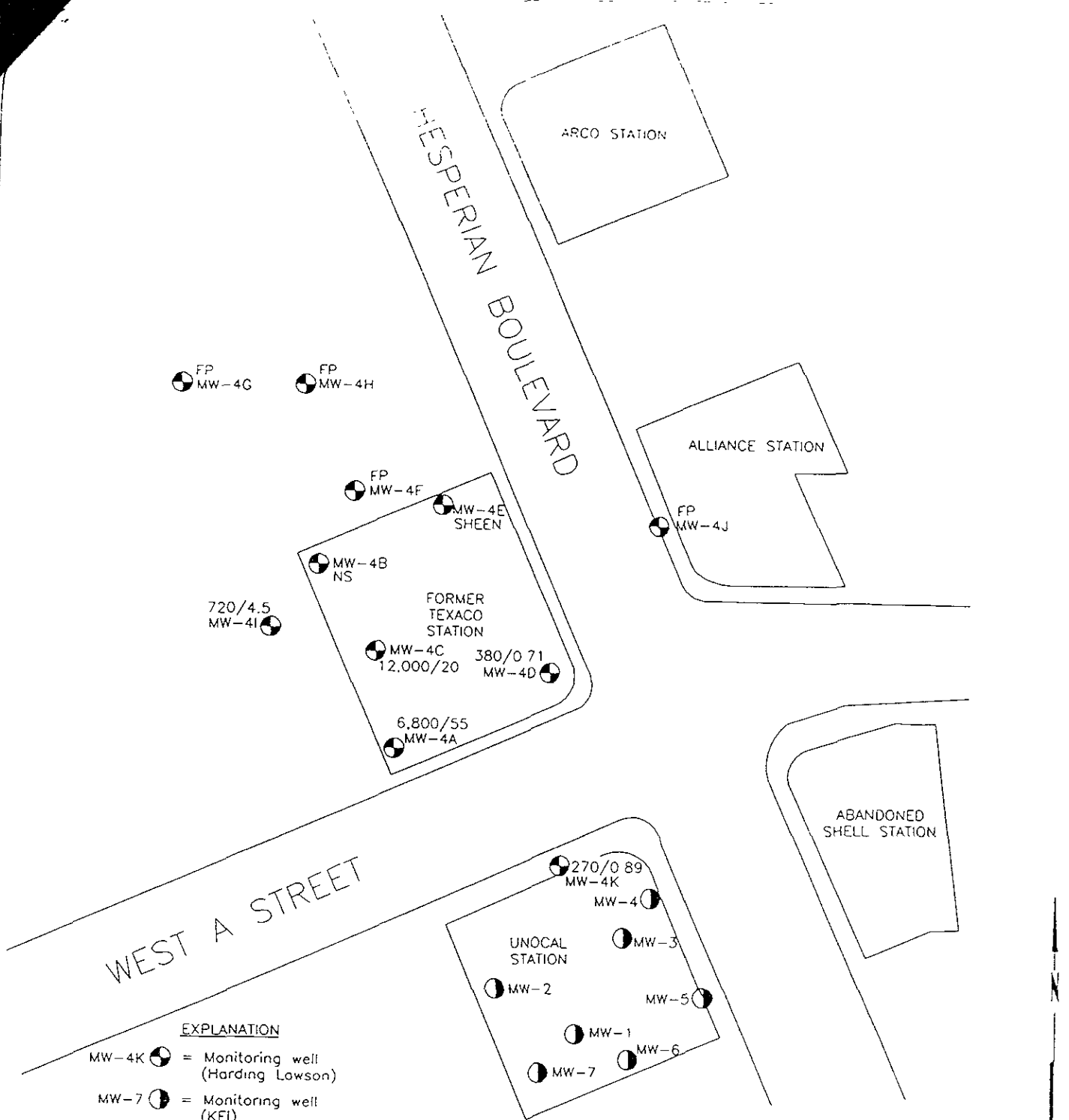
Harding Lawson Associates
Engineering and
Environmental Services

Site Plan After UST Removal
Former Texaco Station
20499 Hesperian Boulevard
Hayward, California

PLATE

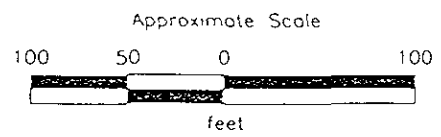
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DRAWN	PROJECT NUMBER	APPROVED	DATE	REVISED DATE
RK	21797.1		11/02/90	



EXPLANATION

- MW-4K = Monitoring well (Harding Lawson)
- MW-7 = Monitoring well (KEI)
- 12,000/20 = Concentration of TPHg/benzene in groundwater in parts per billion, September 14, 1993
- FP = Floating product
- NS = Not sampled



Source Modified from site plan provided by Harding Lawson Associates, dated July 28, 1992



TPHg/BENZENE CONCENTRATIONS
 IN GROUNDWATER
 Former Texaco Station
 20499 Hesperian Boulevard
 Hayward, California

PLATE
 3

PROJECT 62081.01

Semiannual Groundwater Monitoring
20499 Hesperian Boulevard, Hayward, California

TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES
OF GROUNDWATER SAMPLES
Former Texaco Service Station
20499 Hesperian Boulevard
Hayward, California
(Page 1 of 4)

Well	Date	TPHg	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPHd	TPH as Motor Oil
<u>MW-4A</u>								
HLA:	10/12/88	-	<13	<25	420	71	NS	NS
	11/09/88	11,000	<25	<100	280	61	<500	NS
	06/06/89	4,900	140	<20	270	49	NS	NS
	05/15/90	2,800	<10	<2.5	280	33	NS	NS
	02/21/91	6,400	9.9	<0.25	350	29	<50	NS
	07/22/91	8,600	43	<5	280	78	1,500	<5,000
	01/29/92	10,000	17	22	200	43	3,700	NS
RESNA:	09/24/92	4,800	99	20	310	22	NS	NS
	03/04/93	2,700	2.4	<0.5	92	6.4	NS	NS
	09/14/93	6,800	55	<0.5	140	41	NS	NS
<u>MW-4B</u>								
HLA:	10/12/88	-	<13	<25	<50	<25	NS	NS
	11/09/88	7,600	<5	<10	20	<10	<500	NS
	06/06/89	1,000	71	<10	<20	<10	NS	NS
	05/15/90	220	87	<2.5	21	3	NS	NS
	02/21/91	4,500	630	8.1	16	5.6	<50	NS
	07/22/91	8,900	1,400	14	210	990	1,000	<5,000
	01/29/92	8,600	1,110	<5	170	60	2,500	NS
RESNA:	09/24/92	7,900	1,800	1.1	970	420	NS	NS
	03/04/93	6,300	27	1.1	85	240	NS	NS
	09/14/93		Not sampled-inaccessible					
<u>MW-4C</u>								
HLA:	10/12/88	-	<2.5	<5	33	20	NS	NS
	11/09/88	9,400	<25	<50	<100	<50	<500	NS
	06/06/89	700	69	<5	15	16	NS	NS
	05/15/90	250	10	<5	15	<5	NS	NS
	02/20/91	1,500	9.3	<5	<5	<5	<50	NS
	07/22/91	2,000	26	4.5	6.5	<2.5	360	<2,500
	01/29/92	900	29	5.0	4.2	12	900	NS
RESNA:	09/24/92	620	7.7	8.0	6.7	4.1	NS	NS
	03/04/93		Not Sampled					
	09/14/93	12,000	20	220	72	51	NS	NS

Semiannual Groundwater Monitoring
20499 Hesperian Boulevard, Hayward, California

October 18, 1993
62081.01

TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES
OF GROUNDWATER SAMPLES
Former Texaco Service Station
20499 Hesperian Boulevard
Hayward, California
(Page 2 of 4)

Well	Date	TPHg	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPHd	TPH as Motor Oil
<u>MW-4D</u>								
HLA:	10/13/88	-	10	<1	5.8	5.8	NS	NS
	11/09/88	4,000	<5	<10	12	39	<500	NS
	06/06/89	830	69	<100	41	7.1	NS	NS
	05/15/90	<50	<0.5	<5	5.6	2.0	NS	NS
	02/20/91	710	4.2	<0.5	0.6	<0.5	<50	NS
	07/22/91	850	4.6	<2.5	<2.5	<2.5	190	<2,500
	01/29/92	850	<0.5	17	14	34	350	NS
RESNA:	09/24/92	290	39	<0.5	4.9	5.1	NS	NS
	03/04/93	280	2.9	<0.5	<0.5	4.4	NS	NS
	09/14/93	380	0.71	8.6	46	4.2	NS	NS
<u>MW-4E</u>								
HLA:	10/13/88	-	550	91	<2	88	NS	NS
	11/09/88	460	92	20	2.3	27	<100	NS
	06/06/89	6,700	590	340	<200	610	NS	NS
	05/15/90	1,800	210	190	31	140	NS	NS
	02/21/91	92,000	5,700	18,000	3,500	17,000	<500	NS
	07/22/91	86,000	4,500	8,800	1,900	11,000	3,100	<50,000
	01/29/92	5,700	310	820	130	730	12,000	NS
RESNA:	09/24/92	37,000	2,100	5,800	1,700	5,100	NS	NS
	03/04/93		Not Sampled-Sheen					
	09/14/93		Not Sampled-Sheen					
<u>MW-4F</u>								
HLA:	06/06/89	500	260	<50	<100	<50	NS	NS
	05/16/90	22,000	1,200	1,300	390	690	NS	NS
	02/21/91	4,500	630	8.1	16	5.6	<50	NS
RESNA:	09/24/92		Not Sampled					
	03/04/93		Not Sampled-Free Product					
	09/14/93		Not Sampled-Free Product					
<u>MW-4G</u>								
HLA:	07/06/89	64,000	21,000	3,000	2,000	12,000	NS	NS
	05/18/90*	72,000	10,000	2,400	2,200	7,600	NS	NS
RESNA:	09/24/92		Not Sampled					
	03/04/93		Not Sampled-Sheen					
	09/14/93		Not Sampled-Free Product					

Semiannual Groundwater Monitoring
20499 Hesperian Boulevard, Hayward, California

October 18, 1993

62081.01

TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES
OF GROUNDWATER SAMPLES
Former Texaco Service Station
20499 Hesperian Boulevard
Hayward, California
(Page 3 of 4)

Well	Date	TPHg	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPHd	TPH as Motor Oil
<u>MW-4H</u>								
HLA:	07/06/89	60,000	3,000	4,300	1,100	8,100	NS	NS
	05/18/90*	280,000	11,000	20,000	4,900	25,000	NS	NS
RESNA:	09/24/92		Not Sampled					
	03/04/93		Not Sampled-Sheen					
	09/14/93		Not Sampled-Free Product					
<u>MW-4I</u>								
HLA:	12/06/89	810	<2.5	<2.5	6.6	11	NS	NS
	05/15/90	1,100	<0.5	<0.5	4.6	8	NS	NS
	02/21/91	3,000	24	120	36	70	<50	NS
	07/22/91	2,100	21	17	15	27	360	<2,500
	01/29/92	1,900	17	8.9	14	32	750	NS
RESNA:	09/24/92		Not Sampled					
	03/04/93	630	0.9	<0.5	4.1	4.3	NS	NS
	09/14/93	720	4.5	7.3	4.6	3.9	NS	NS
<u>MW-4J</u>								
HLA:	03/23/90	100,000	4,100	6,700	3,200	13,000	<500	NS
	05/18/90*	230,000	8,600	19,000	4,100	21,000	NS	NS
RESNA:	09/24/92		Not Sampled					
	03/04/93		Not Sampled-Sheen					
	09/14/93		Not Sampled-Free Product					
<u>MW-4K</u>								
HLA:	03/23/90	540	<5	<5	52	<5	<50	NS
	05/15/90	450	<5	<5	15	5.2	NS	NS
	02/20/91	910	<0.5	19	14	43	<50	NS
	07/22/91	1,700	<2.5	<2.5	<2.5	<2.5	420	<2,500
	01/29/92	930	<0.5	1.7	1.8	6.3	450	NS
RESNA:	09/24/92		Not Sampled					
	03/04/93	1,500	3.1	<0.5	8.3	16	NS	NS
	09/14/93	270	0.89	<0.5	1.5	3.2	NS	NS
MCLs		—	10	—	680	1,750	—	—
DWAL		—	—	100	—	—	—	—

See notes on page 4 of 4.

Semiannual Groundwater Monitoring
20499 Hesperian Boulevard, Hayward, California

October 18, 1993
62081.01

TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES
OF GROUNDWATER SAMPLES
Former Texaco Service Station
20499 Hesperian Boulevard
Hayward, California
(Page 4 of 4)

Well	Date	TPHg	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPHd	TPH as Motor Oil
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Results in parts per billion (ppb).

- : Not Applicable
- NS : Not sampled
- TPHg : Total petroleum hydrocarbons analyzed as gasoline.
- TPHd : Total petroleum hydrocarbons analyzed as diesel.
- < : This symbol means "less than"
- MCLs : Adopted Maximum Contaminant Levels in Drinking Water, DHS (October 1990)
- DWAL : Recommended Drinking Water Action Levels, DHS (October 1990)
- HLA : sampling by Harding Lawson and Associates
- RESNA : RESNA Industries Inc., began sampling

Table 12.1
 Results of Soil Analyses
 Pre October 31, 1988
 20499 Hesperian Boulevard
 Hayward, California
 (concentrations in milligrams per kilogram)

<u>On/Off Site</u>	<u>Date</u>	<u>Location</u>	<u>Depth (ft)</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl- benzene</u>	<u>Total Xylenes</u>	<u>TPHg*</u>	<u>TPHg**</u>	<u>Auger Diameter (inches)</u>	<u>Total Boring Depth (ft)</u>
On	06/15/88	MW-4A		--	--	--	--	--	--	7	20
On	06/15/88	MW-4B		--	--	--	--	--	--	7	20
On	06/15/88	MW-4C		--	--	--	--	--	--	7	20
On	09/29/88	B-1	5.0	ND	ND	ND	ND	ND	ND	8	11
			10.0	ND	ND	ND	ND	ND			
On	09/29/88	B-2	4.5	ND	ND	ND	ND	ND	ND	8	10.5
			10.0	ND	ND	ND	ND	ND			
On	09/29/88	B-3	5.5	ND	ND	ND	ND	ND	14	8	10.0
			9.5	0.37	ND	0.75	0.46	ND	76		
On	09/29/88	B-4	5.0	ND	ND	ND	ND	ND	ND	8	10.5
			9.5	ND	ND	ND	ND	ND	ND		
On	09/30/88	MW-4D	10.0	ND	ND	ND	ND	ND	ND	12	20.5
On	09/30/88	MW-4E	4.5	ND	ND	ND	ND	ND	ND	12	20.5
<u>Detection Limits</u>				0.5	0.1	0.2	0.1	10	10		

Analytical Methods:

BTEX - EPA Method 8020
 TPHg* - Flame Ionization Detector
 TPHg** - EPA Method 8020 Modified
 *TPH includes gasoline (TPHg), diesel (TPHd), motor oil (TPHmo also referred to as other hydrocarbon mixture)

TPHg = Total petroleum hydrocarbons as gasoline
 BTEX = Benzene, toluene, ethylbenzene, and total xylenes
 ND = Not detected
 -- = Not tested

Table 12.2
 Results of Groundwater Analyses
 Pre October 31, 1988
 20499 Hesperian Boulevard
 Hayward, California
 (concentrations are in micrograms per liter)

<u>On/Off Site</u>	<u>Date</u>	<u>Location</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl-benzene</u>	<u>Total Xylenes</u>	<u>TPHg</u>	<u>TPHd</u>	<u>TPHmo</u>
On	06/15/88	MW-4A	47	11	670	100	--	--	--
	10/12/88		ND (13)	ND (25)	420	71	--	--	--
On	06/15/88	MW-4B	14	ND (1)	49	19	--	--	--
	10/12/88		ND (13)	ND (25)	ND (50)	ND (25)	--	--	--
On	06/15/88	MW-4C	220	120	350	71	--	--	--
	10/12/88		ND (2.5)	ND (5)	33	20	--	--	--
On	10/13/88	MW-4D	10	ND (1)	5.8	5.8	--	--	--
On	10/13/88	MW-4E	500	91	ND (2)	88	--	--	--

Detection Limits noted in parentheses

Analytical Methods:

BTEX - EPA Method 8020

TPH* - EPA Method 8015

*TPH includes gasoline (TPHg), diesel (TPHd), motor oil (TPHmo also referred to as other hydrocarbon mixture)

TPH = Total petroleum hydrocarbons

BTEX = Benzene, toluene, ethylbenzene, and total xylenes

ND = Not detected

-- = Not tested

Table 12.5
 Free Product Thicknesses
 20499 Hesperian Boulevard
 Hayward, California
 (in inches)

<u>Date</u>	<u>MW-4F</u>	<u>MW-4G</u>	<u>MW-4H</u>	<u>MW-4J</u>
03/23/90	ND	*	*	ND
05/15/90	ND	2.0	2.8	4.4
09/23/90	3.6	6.0	4.2	12
10/24/90	7.2	7.6	7.8	10.3
12/05/90	7.8	7.2	8.0	10.0
02/21/91	7.2	5.4	7.1	9.5
04/30/91	6.0	4.1	1.8	1.6
06/04/91	6.4	2.5	3.2	1.1
07/22/91	6.1	3.8	3.4	6.5
08/19/91	6.0	4.0	6.7	9.6
09/16/91	7.9	7.1	8.5	10.9
10/15/91	8.0	8.4	8.5	10.9
11/14/91	7.1	7.2	7.1	11.0
12/29/91	4.7	4.7	5.4	8.9
01/29/92	3.4	3.7	4.0	9.8
02/28/92	1.3	1.2	1.8	ND
03/26/92	1.7	0.7	1.6	ND

ND = Not detected

* = Free product observed but not measured



TEXACO REFINING AND MARKETING INC.
100 CUTTING BOULEVARD
RICHMOND CA 94804

December 10, 1990

City of Hayward
Hazardous Material Office
2230 Foothill Boulevard
Hayward, California 94541

Attention: Mr. Hugh Murphy

Gentlemen:

Quarterly Technical Report
Third Quarter of 1990 (July-September)
Former Texaco Station
20499 Hesperian Boulevard
Hayward, California

This letter is being issued in lieu of a Quarterly Technical Report (QTR) for the referenced site for the period July through September 1990. In this period (third quarter 1990), we continued our measurement of water levels in the eleven wells MW-4A through MW-4K on and near the site. Free product was observed in four of the off-site monitoring wells. The free product was observed to range in thickness from 7.2 to 10.3 inches. In our Environmental Assessment report dated June 28, 1990, we pointed out that petroleum hydrocarbons in groundwater are apparently migrating downgradient from off-site upgradient sources. The observations of this quarter suggest that the petroleum hydrocarbons have continued to migrate. Free product was observed in two wells (MW-4G and MW-4H) on March 23, 1990. On May 15, 1990, free product was observed in three wells (MW-4G, MW-4H, and MW-4J). In our most recent observations on September 23, 1990, free product was observed in four wells (MW-4G, MW-4H, MW-4J, and MW-4F).

We do not plan to do additional work on this site until a cooperative effort has been made to understand the sources and extent of petroleum hydrocarbons in groundwater in the area. Possible off-site sources included the stations operated by Alliance Oil Company and Unocal, and the abandoned Shell Station.

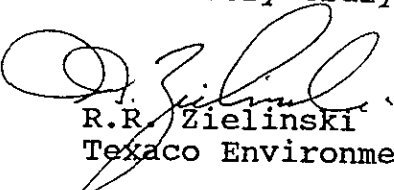
We have provided Unocal, through their consultant, with a copy of our Environmental Assessment Report for the former Texaco site dated June 28, 1990. We received the "Quarterly Report, Unocal Service Station #5590, 20501 Hesperian Boulevard, Hayward, California," dated September 28, 1990, from Unocal's consultant, Kaprealian Engineering, Inc. (KEI). We have not heard from Alliance Oil Company or their consultant.

December 10, 1990
Mr. Hugh Murphy
City of Hayward
Page 2

Harding Lawson Associates and KEI are attempting to coordinate concurrent groundwater depth measurement and sampling at the former Texaco station and Unocal station during the first quarter of 1991. This joint sampling will be useful for estimating groundwater flow directions in the site vicinity and for expanding our current understanding of hydrocarbon plumes in the area.

If you have any questions, please contact me at (415) 236-1770 or Randy Stone of Harding Lawson Associates at (415) 687-9660.

Yours very truly,



R.R. Zielinski
Texaco Environmental Services Department

RRZ:pap

cc: Attention: Ms. Pam Evans
Alameda County Environmental Health Department
80 Swan Way
Room 200
Oakland, California 94621

Attention: Mr. R.W. Conlon
Texaco Environmental Services
10 Universal City Plaza
Universal City, California 91608

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621
(415)

March 19, 1991

Danny Chauhan
18734 Walnut Rd.
Castro Valley CA 94546

RE: Groundwater Contamination at Alliance Station
20450 Hesperian Blvd., Hayward

Dear Mr. Chauhan:

Since June, 1988, the owners of the former Texaco (now Exxon) site at 20499 Hesperian have been investigating subsurface contamination. A number of onsite and offsite wells have been installed in order to define the extent of the contaminant plume. Because floating petroleum product has been discovered in an upgradient directly adjacent to your site, you must submit proof that your tank systems are not a source of contamination by providing:

1. **Precision tank test results** for all three of your underground storage tanks for 1990 and 1989. No test results were submitted for the leaded fuel tank for 1990. No test results were submitted for any of the three tanks for 1989.
2. **A written report of an investigation of the inventory variations** noted for the period of July through September, 1990. These variations, in excess of legal tolerances, were noted and pointed out to you by Senior Hazardous Materials Specialist Thomas Peacock during his inspection of 9/27/90. Mr. Peacock instructed you in writing on that date to investigate these variations, check underground tanks for accumulation of water, have through put meters checked for accuracy, and to begin submitting quarterly reports of inventory variations.
3. **A technical report describing a plan for defining the extent of groundwater pollution impacting your site.** The plan must include an implementation schedule. You are required to submit this plan pursuant to California Water Code Section 13627.

A PUMP REPAIR COMPANY
801 NORTHPORT
WEST SACRAMENTO, CA. 95691

TEXACO
108 CUTTING BLVD.
RICHMOND, CA 94804

ATTN: R.R. ZIELENSKI

FEBRUARY 17, 1993

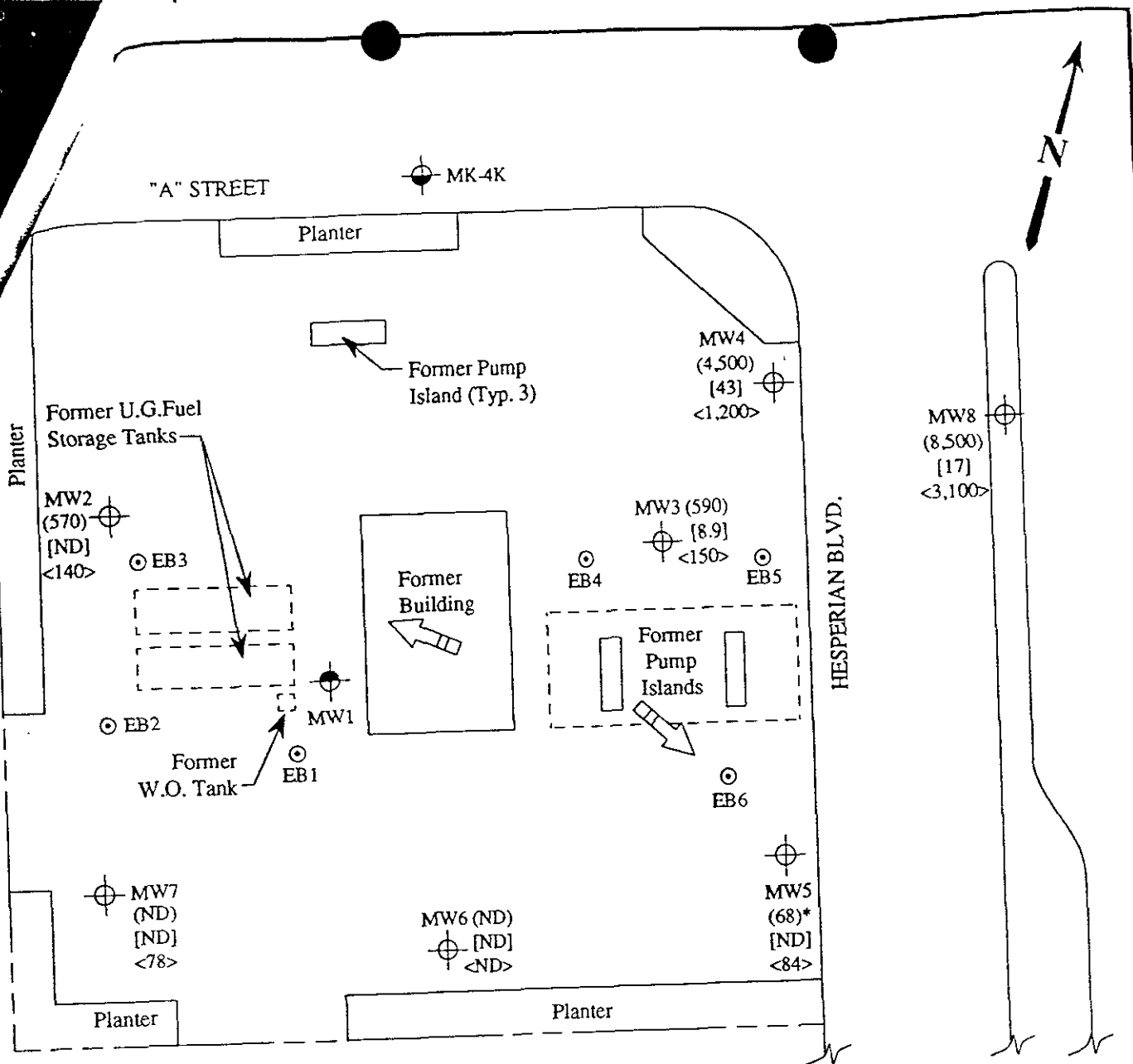
DEAR MR. ZIELENSKI,

THIS LETTER IS A FOLLOW-UP TO OUR CONVERSATION ON 2-16-93.
WE WISH ACCESS TO YOUR TEST WELLS MW 4J, MW 4H AND MW 4F
LOCATED AT A FORMER TEXACO STATION SITE 20499 HESPERIAN
BLVD. HAYWARD, CALIFORNIA. WE NEED TO CONFIRM LEVELS OF
FREE FLOATING PRODUCT PRIOR TO INSTALLATION OF ADDITIONAL
NEW MONITORING WELLS AT 20450 HESPERIAN BLVD. HAYWARD,
CALIFORNIA. YOUR COOPERATION IS APPRECIATED.

THANK YOU,


ZANE A. MILLER

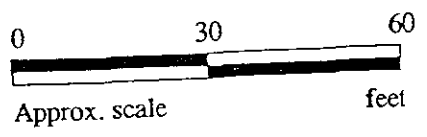
(916) 374-8700



SITE PLAN
(Sampled on 4/10/92)

LEGEND

- ⊙ Exploratory Boring (Drilled on 1/6/89)
- ⊕ Monitoring Well (by KEI)
- ⊖ Monitoring Well (by others)
- ⊗ Monitoring Well (destroyed)
- () Concentrations of TPH as gasoline in ppb
- [] Concentrations of benzene in ppb
- < > Concentrations of TPH as diesel in ppb
- ➔ Direction of ground water flow



* The lab reported that the sample "does not appear to contain gasoline".

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J KEARS, Agency Director



DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621
(415)

June 24, 1991

Elaine J. Lavine
ARCO
P.O. Box 5811
San Mateo CA 94402

RE: Groundwater Contamination Investigation for
20200 Hesperian Blvd., Hayward CA 94541

Dear Ms. Lavine:

I have reviewed the workplan submitted by Gettler-Ryan Inc. for the above referenced site. The plan is acceptable to this office with the following required additions and clarifications:

1. No 1989 precision tank tests for the site have been submitted to this office as required.
2. No implementation schedule for your workplan or groundwater monitoring frequency was included in your proposal. You must supply a written timetable and proposed groundwater monitoring frequency for your site.

Please supply copies of the 1989 tank test results and a copy of your timetable and monitoring frequency by July 10, 1991.

All monitoring wells must be sampled at least quarterly for a minimum of one year. A groundwater gradient map must be developed for the site. A technical report must be submitted within three months of the time that the first sampling results are available. This report must present and interpret the information generated during the subsurface investigation.

You may contact me with any questions at (415)271-4320.

Sincerely,

A handwritten signature in cursive script that reads "Pamela J. Evans".

Pamela J. Evans
Hazardous Materials Specialist

c: Susan Hugo, Alameda County Hazardous Materials Division
Richard Hiatt, Regional Water Quality Control Board
Hugh Murphy, City of Hayward
R.R. Zielenski, Texaco
Danny Chauhan, Alliance
Keith Bullock, Gettler-Ryan Inc.

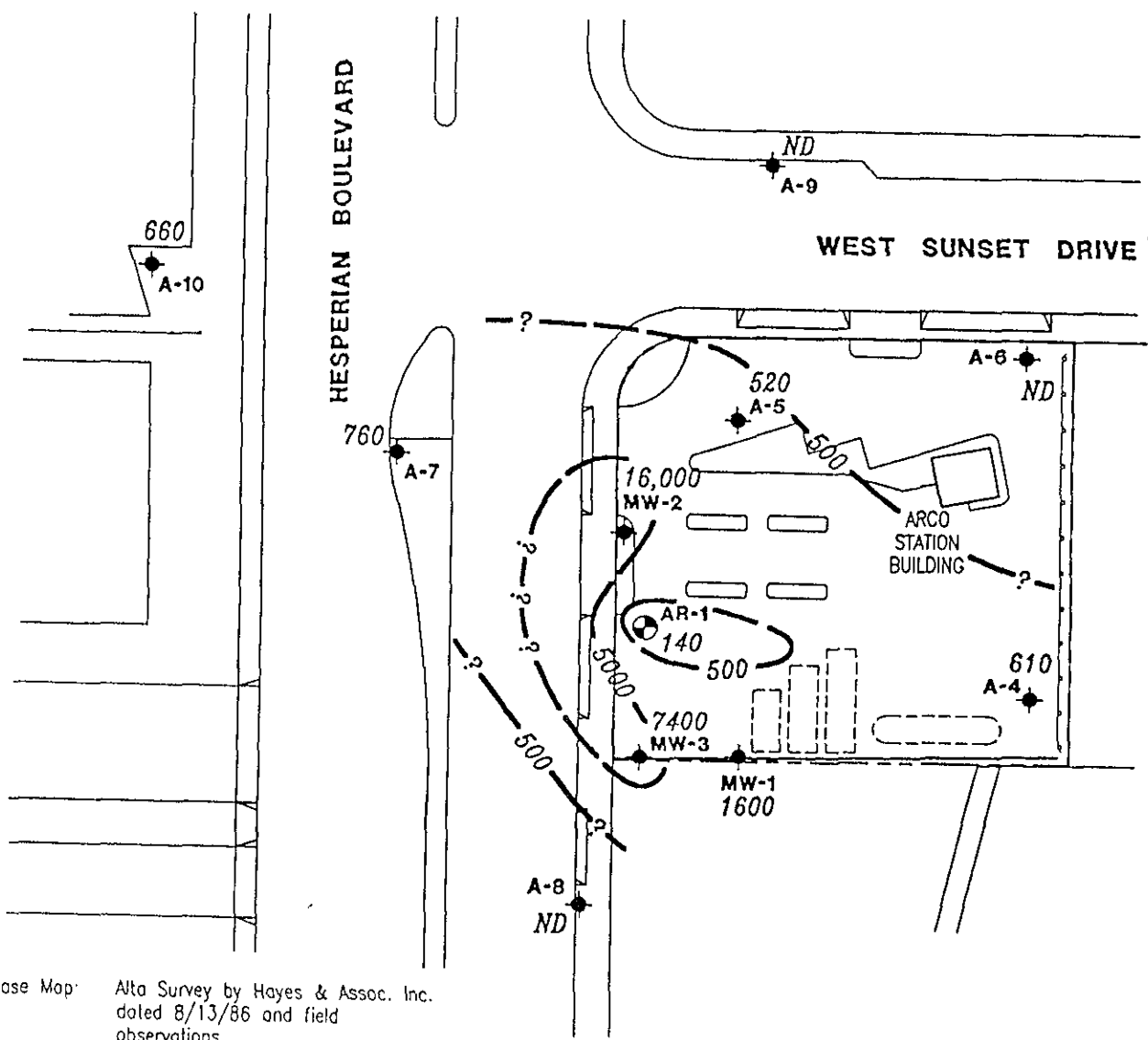
HESPERIAN BOULEVARD

WEST SUNSET DRIVE

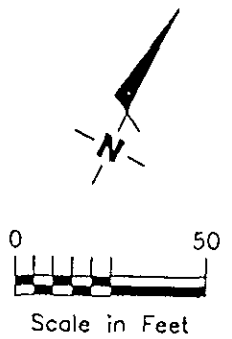
EXPLANATION

- ◆ Ground-water monitoring well
- ⊕ Ground-water recovery well
- 5.00 TPH-G isoconcentration contour
- 5.0 TPH-G (Total Petroleum Hydrocarbons calculated as Gasoline) concentration in ppb sampled on November 12, 1992
- ND Not Detected (See laboratory reports for detection limits)

NOTES: 1. Well A-10 was installed on 11-18-92 and is not used in contouring this quarter.



Base Map: Alta Survey by Hayes & Assoc. Inc. dated 8/13/86 and field observations.



GeoStrategies Inc.

TPH-G ISOCONCENTRATION MAP
ARCO Service Station #5387
20200 Hesperian Boulevard
San Lorenzo, California

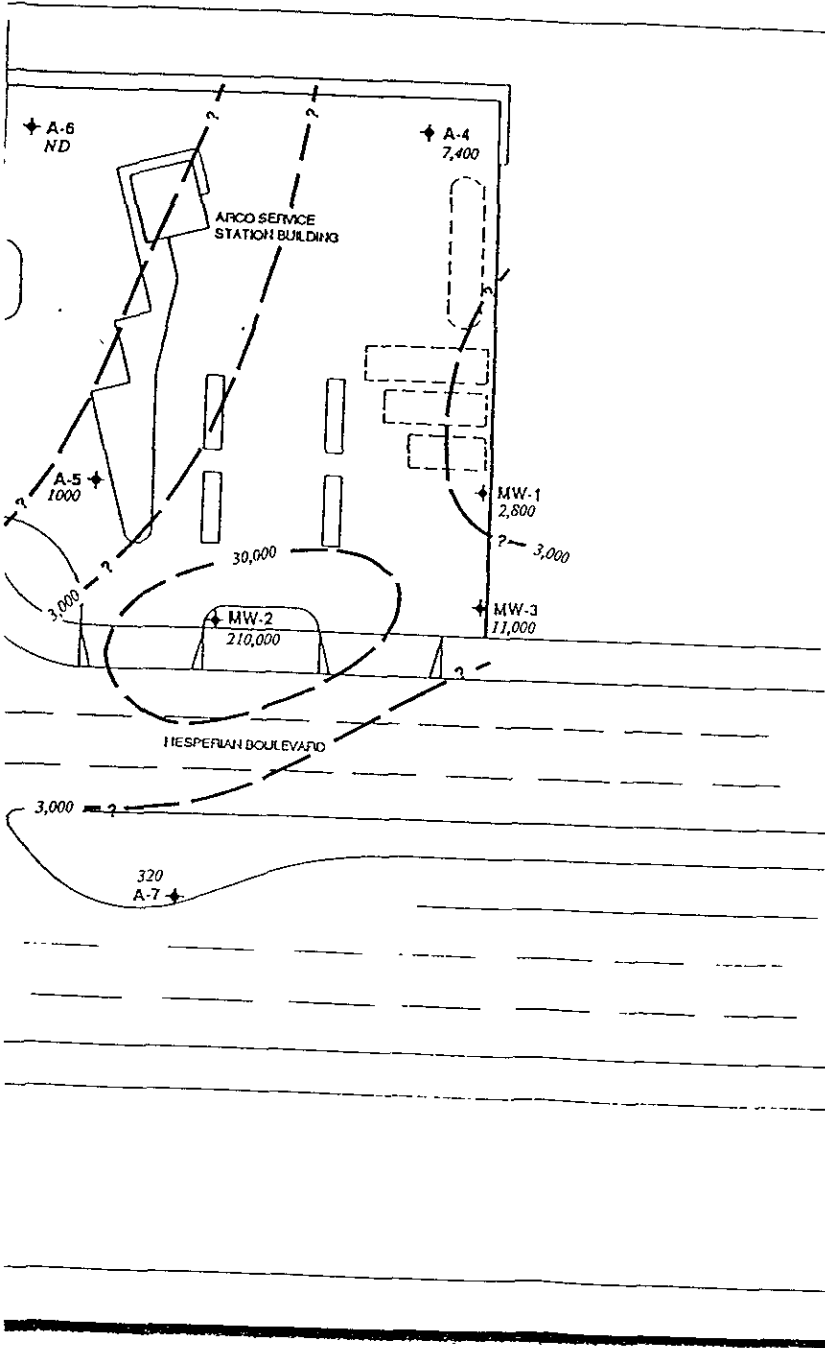
PLATE
3

JOB NUMBER
792608-10

REVIEWED BY
hem

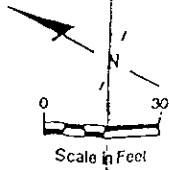
DATE
1/93

REVISED DATE



EXPLANATION

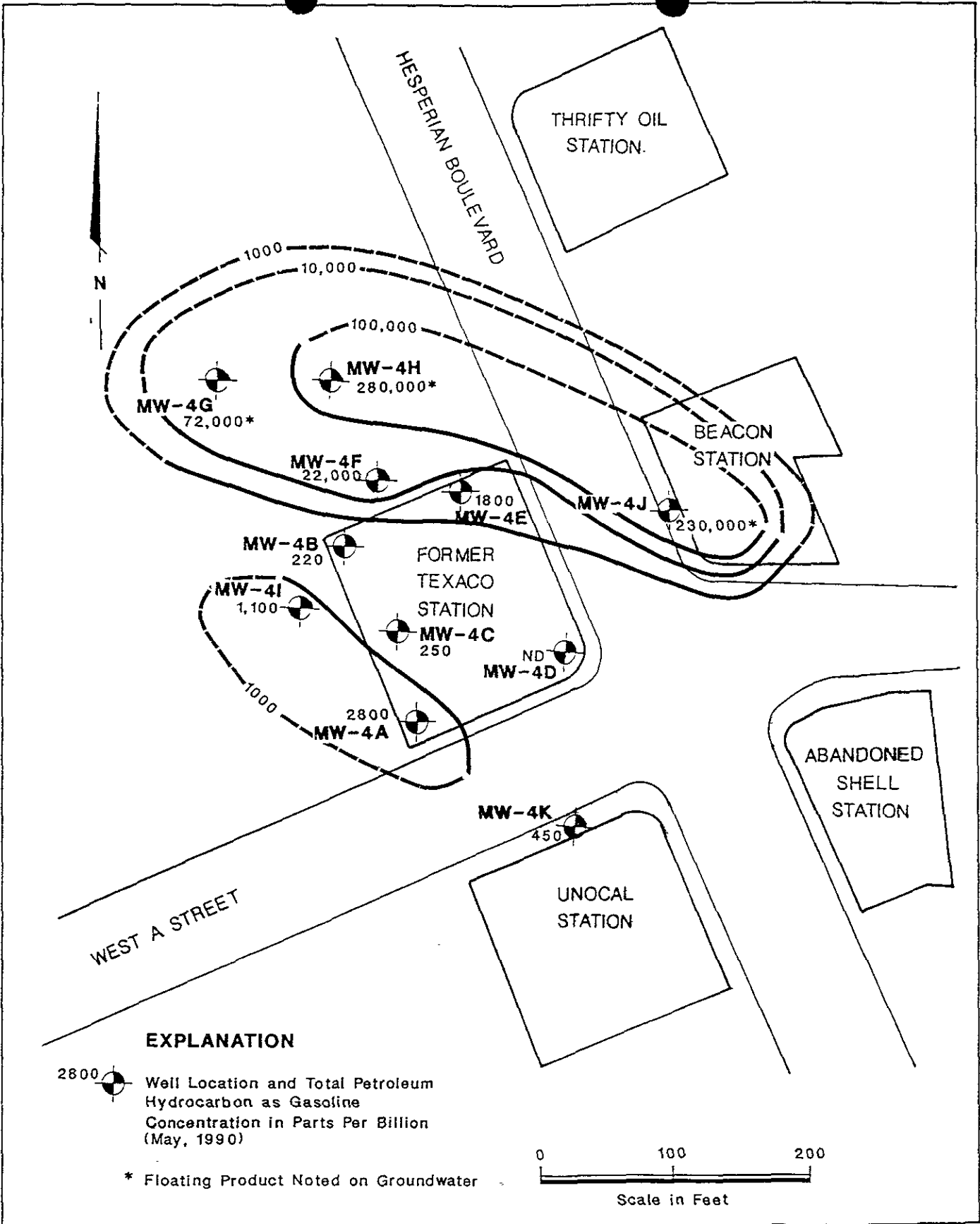
- + Ground water monitoring well
- 300 /———/ TPH-G isoconcentration contour
- 320 /———/ TPH-G (Total Petroleum Hydrocarbons calculated as Gasoline) concentrations in ppb sampled on March 10 & 11, 1992
- ND Not Detected (see laboratory reports for detection limits)



PART 4

TPH-G ISOCONCENTRATION MAP
 ARCO Service Station #1507
 2000 Hesperian Boulevard
 Hayward, California
 94541

GSI
 Geochemical Services Inc.
 11/92



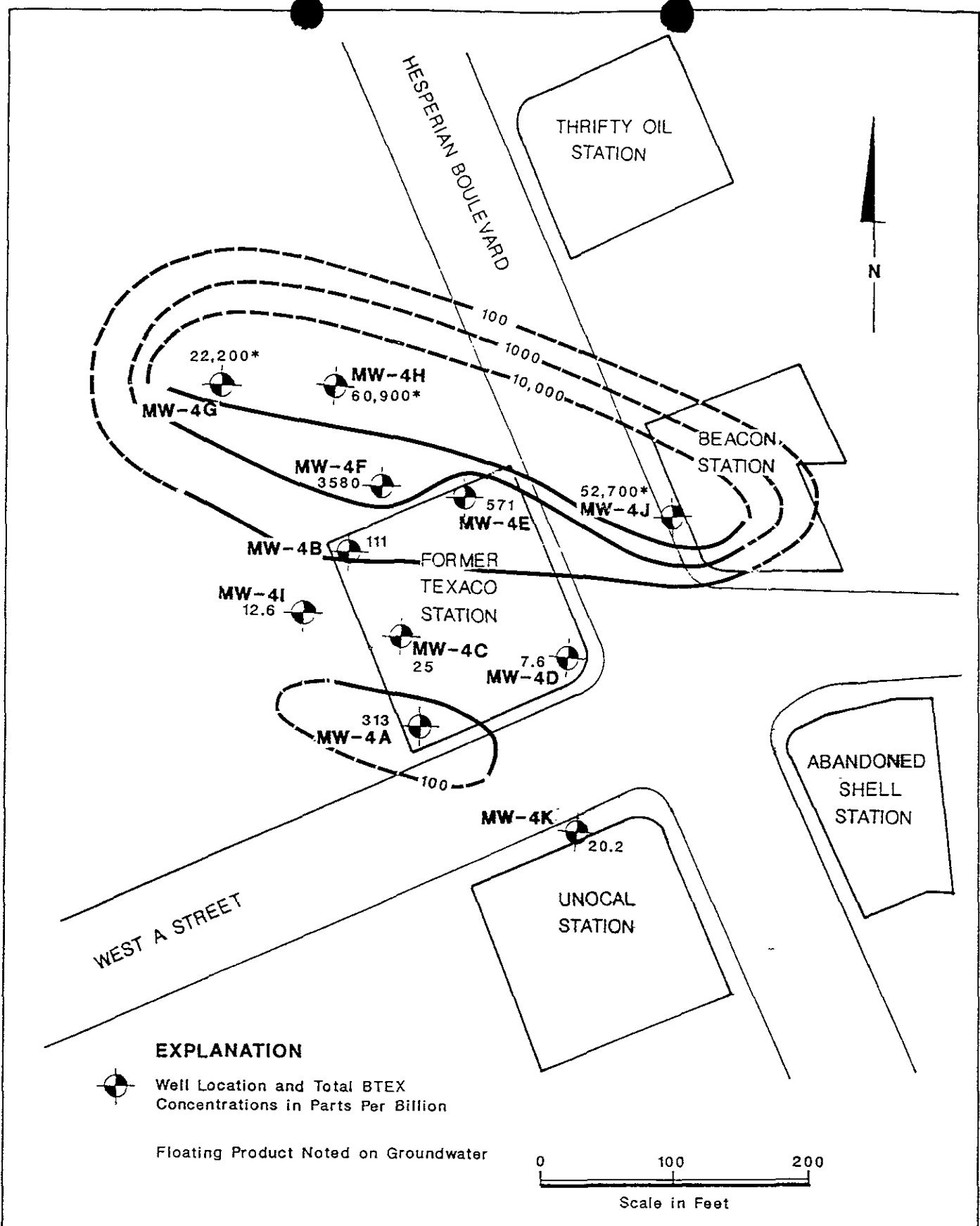
Harding Lawson Associates
 Engineering and Environmental Services

Distribution of TPH in Groundwater
 Former Texaco Station
 20499 Hesperian Boulevard
 Hayward, California

PLATE

27

DRAWN AG	JOB NUMBER 2251,079.03	APPROVED RFM	DATE 4/90	REVISED DATE
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Harding Lawson Associates
 Engineering and
 Environmental Services

Distribution of BTEX in Groundwater
 Former Texaco Station
 20499 Hesperian Boulevard
 Hayward, California

PLATE

28

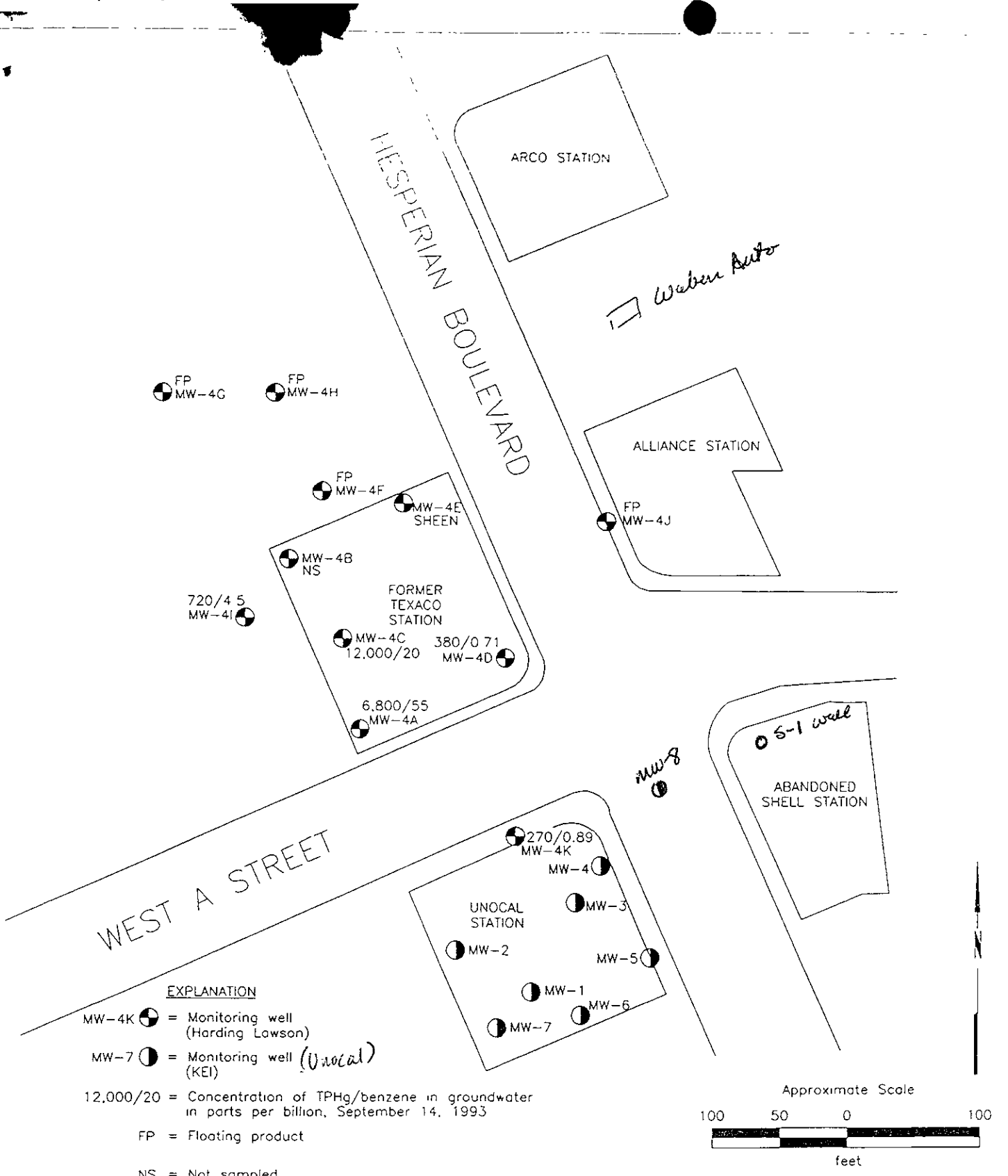
DRAWN
 AG

JOB NUMBER
 2251,079.03

APPROVED
 AFM

DATE
 4/90

REVISED DATE



TPHg/BENZENE CONCENTRATIONS
IN GROUNDWATER
Former Texaco Station
20499 Hesperian Boulevard
Hayward, California

PLATE
3

PROJECT 62081.01

Station at 20501 Hesperian Boulevard in Hayward, California.

SITE STATUS ON JUNE 30, 1992

Vadose Zone Soil Condition

The upper layers of soil at and adjacent to the site have been explored to a depth of approximately 10 feet in four borings and to a depth of approximately 20 feet at 11 well locations. Soil encountered in the borings and wells consists primarily of clay, containing silty clay and sand lenses which appear to be laterally discontinuous. Silty sand occurs at a depth of approximately 18 to 18.5 feet in MW-4D, MW-4E, and MW-4F. Clean sand was observed in MW-4I and MW-4J at depths of about 19.5 and 15 feet, respectively. Several thin stringers of clean sand were also logged in MW-4E at about 15 feet below the surface (Environmental Assessment, June 28, 1990).

The analytical results of soil samples indicate that concentrations of gasoline hydrocarbons in the upper 10 feet of vadose zone soils at the site were either low or below analytical detection limits. In on-site Boring B-3 (behind the office) and in off-site locations MW-4G, MW-4H, MW-4J and MW-4K, concentrations of gasoline constituents were detected in soil samples collected at depths of 9.5 to 13 feet below grade.