

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

STID 1724

October 31, 1996

REMEDIAL ACTION COMPLETION CERTIFICATION

Unocal Corporation
2000 Crow Canyon Place, Suite 400, P.O. Box 5155
San Ramon, California 94583
Attn: Adadu Yemane

RE: FORMER UNOCAL SS #3844, 1903 DOOLITTLE DRIVE, SAN LEANDRO, CA

Dear Mr. Yemane:

This letter confirms the completion of site investigation and remedial action for the one 260-gallon waste oil and the two (one 5000-gallon and one 7500-gallon) gasoline underground storage tanks (USTs) at the above described location. Enclosed is the Case Closure Summary for the referenced site for your records.

Based upon the available information and with provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground tank release is required.

This notice is issued pursuant to the regulation contained in Title 23, Division 3, Chapter 16, Section 2721 (e) of the California Code of Regulations. **If a change in land use is proposed, the owner must promptly notify this agency.**

Please contact Dale Klettke at (510) 567-6880 if you have any questions regarding this matter.

Sincerely,

Mee Ling Tung
Director, Department of Environmental Health

enclosure

c: Thomas Peacock, LOP Manager--files
Lori Casias, SWRCB, w/enclosure
Mike Bakaldin, San Leandro Hazardous Materials Program, w/enclosure

01-1579

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: June 10, 1996

Agency name: Alameda County-HazMat Address: 1131 Harbor Bay Pkwy
City/State/Zip: Alameda, CA 94502 Phone: (510) 567-6700
Responsible staff person: D. Klettke Title: Hazardous Materials Spec.

II. CASE INFORMATION

Site facility name: Former Unocal Station #3844
Site facility address: 1903 Doolittle Drive, San Leandro, CA 94577
RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 1724
URF filing date: 3/15/93 SWEEPS No: N/A

Responsible Parties: Addresses: Phone Numbers:
Mr. Bob Boust, c/o Unocal Corporation (510)277-2334
P.O. Box 5155, San Ramon, CA 94583

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	5000	UL gasoline	removed	12/27/91
2	7500	UL gasoline	removed	12/27/91
3	260	waste oil	removed	12/27/91

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: Unknown
Site characterization complete? YES
Date approved by oversight agency: RAP work plan approved 9/6/94
Monitoring Wells installed? YES Number: five (5)
Proper screened interval? YES, wells screened approximately 8' to 32' bgs
Highest GW depth below ground surface: 15.61' (MW-2 on 4/11/96)
Lowest depth: 17.52' (MW-4 on 9/12/94)
Flow direction: predominantly north, with northeast and northwest variations
Most sensitive current use: commercial/industrial
Are drinking water wells affected? NO Aquifer name: San Leandro Cone
Is surface water affected? NO Nearest affected SW name: N/A
Off-site beneficial use impacts (addresses/locations): N/A
Report(s) on file? YES Where is report(s) filed? Alameda County
1131 Harbor Bay Pkwy
Alameda, CA 94502

ENVIRONMENTAL PROTECTION

86 AUG 22 PM 2: 20

Treatment and Disposal of Affected Material:

<u>Material</u>	<u>Amount (include units)</u>	<u>Action (Treatment or Disposal w/destination)</u>	<u>Date</u>
Tank & Piping	1 x 7500-gallon, 1 x 5000-gallon and 1 x 260-gallon	H & H Environmental Services S. San Francisco, CA	12/27/91
Free Product Soil	162 cubic yards	disposed/BFI-Vasco Landfill Livermore, CA	11/17/92
	330 cubic yards	aerated/reused on site	6/95
	2 cubic yards	disposed/Forward Landfill Stockton, CA	6/7/93
Groundwater			

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

<u>Contaminant</u>	<u>Soil (ppm)</u>		<u>Water (ppb)</u>	
	<u>Before¹</u>	<u>After²</u>	<u>Before³</u>	<u>After⁴</u>
TPH (Gas)	5,300	<1.0	29,000	140
TPH (Diesel)	<1	NA	ND	NA
Benzene	2.2	<0.005	883	<0.5
Toluene	250	<0.005	1300	0.62
Ethyl benzene	68	<0.005	520	8.7
Xylenes	430	<0.005	3900	16
Oil & Grease (TOG)	<50	NA	ND	NA
Heavy metals ⁵				

NA=Not analyzed

ND=Represents initial groundwater sample collected from well MW-4 on 6/21/88. Detection limits for TPHd and TOG were 50 ppb and 10,000 ppb, respectively.

Comments (Depth of Remediation, etc.):

On December 27, 1991, two (2) underground steel gasoline storage tanks (USTs) and an underground steel waste oil tank were removed from the site (See Plate 2).

¹"Before" results represent soil sample S-13-B9, collected at a depth of 13' below grade (bg), from soil boring B9 (western service island).

²"After" results represent analyses of sidewall samples collected at a depth of approximately fourteen (14) feet bg after over excavation of the western service island.

³"Before" results represent water samples collected from MW-1 [benzene(9/19/88), toluene(3/27/92) and ethyl benzene(3/26/93)] and MW-5 (TPHg and total xylenes sampled 3/26/93).

⁴"After" results represent groundwater samples collected on 4/11/96 from wells MW-1 (TPHg and toluene) and MW-5 (ethyl benzene and xylenes). Benzene was non-detectable in the four wells sampled (MW-1, MW-2, MW-4 and MW-5).

⁵The metals cadmium, chromium, nickel, lead and zinc were detected in soil sample WO1, at concentrations of 1.2, 51, 62, 7.0 and 56 ppm, respectively, collected at a depth of approximately six (6) feet bg from the waste oil excavation.

Neither of the fuel tanks appeared to contain holes or cracks. The waste oil UST was punctured during excavation activities. A slight brown discoloration of soil was noticed in the east wall of the waste oil tank excavation at a depth of approximately 3 feet. Green soil discoloration was noted on several sides and a portion of the bottom of the fuel tank excavation after the removal of backfill and soil.

Soil samples were collected from the two tank excavations approximately two (2) feet below the bottom end of each fuel tank. An additional soil was collected from the waste oil pit on January 24, 1992, and analyzed to contain non-detectable concentrations of PCBs.

Soil samples were collected from the product line trenches on January 3, 1992, and resampled again on February 10, 1992, since the San Leandro Fire Department personnel had not witnessed the January 3, 1992 soil samplings.

TPHg and BTEX were detected in three (3) of the ten (10) samples from the tank and product line excavations. Maximum concentrations of TPHg, benzene, toluene, total xylenes and lead were detected in soil sample S-4-D3, at 3.3 ppm, 0.095 ppm, 0.18 ppm, 0.38 ppm, and 40 ppm, respectively, from the product pipe excavation. Maximum concentrations of ethyl benzene (0.023 ppm) were detected in soil sample TP5W, collected from the gasoline tank excavation (See Plate 3). The analytical results of soil samples collected from the tank and product line excavations are summarized in Table 1.

No detectable concentrations of TOG, TPHd, TPHg, and VOCs were found in the soil sample (WO1) collected from the waste oil excavation. No PCBs were detected in the soil sample (S-3-WO1) collected on 1/24/92, at the laboratory detection limit of 0.50 ppm.

Approximately 140 cubic yards of soil was excavated from around the gasoline tanks and the product lines, and approximately 16 cubic yards of soil was excavated from around the waste oil tank. The stockpiled soil (approximately 162 cubic yards) was aerated on site and disposed at BFI Vasco Road Landfill on November 17, 1992, by Dillard Trucking.

Two hydraulic auto hoist casings and the service bay clarifier were removed from the subject site on October 16, 1992. The removed casing and concrete appeared to be in good condition, with no visible holes or cracks. Samples from the clarifier and hoist excavations were collected on October 16, 1992.

The laboratory analytical results from the sample collected beneath the clarifier did not indicate detectable concentrations of TPHg, TOG, BTEX, VOCs, ethylene glycol, cadmium and lead. Chromium, nickel and zinc were detected in the soil sample collected from beneath the clarifier, at concentrations of 29 ppm, 34 ppm and 37 ppm, respectively. The analytical results from soil samples collected from beneath the auto hoists did not contain detectable levels of total oil and grease (TOG).

On March 11, 1993, a supplemental subsurface investigation was performed by RESNA which included the advancement of six (6) soil borings to depths ranging from 13.5 to 33 feet below ground surface (bgs), with boring B-5 being subsequently converted to groundwater monitoring well MW-5 (See Plate 4). This phase of the investigation was to further delineate the lateral and vertical extent and severity of the soil and groundwater contamination.

Laboratory analytical results of soil samples collected from borings MW-5, B-6, B-7 and B-10 were found to contain non-detectable concentrations of TPHg and BTEX. Elevated concentrations of TPHg and BTEX were detected in soil sample S-13-B9, collected at a depth of approximately 13 feet bgs beneath the western service island. Results of soil samples collected from the supplemental subsurface investigation are summarized in Table 3.

On September 27 and 28, 1994, Environmental Resolutions, Inc., excavated hydrocarbon-impacted soil detected near the former western dispenser island. The excavation proceeded vertically to approximately sixteen (16) feet below grade (slightly below the groundwater surface), where soil samples were collected from each sidewall at approximately 14 feet below grade (See Plate 5). Analytical results of soil samples collected from the limits of the western service island excavation were below detection limits and are summarized in Table 4.

Approximately 330 cubic yards of soil were excavated and stockpiled at the site. Aeration of the stockpiled soil began on October 13, 1994. Sampling of the stockpiled soil occurred on May 31, 1995, with one discrete soil sample being collected for approximately every twenty (20) cubic yards of soil. Results of laboratory analyses of stockpiled soil samples detected maximum TPHg and BTEX concentrations of 1.1 ppm, 0.019 ppm, 0.038 ppm, 0.017 ppm and 0.10 ppm, respectively. Based on the results of laboratory analyses and with the authorization of Alameda County Health Care Services Agency, the excavation was backfilled with the aerated soil.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? **YES**
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? **YES**
Does corrective action protect public health for current land use? **YES**
Site management requirements: **None**
Should corrective action be reviewed if land use changes? **YES**
Monitoring wells Decommissioned: **No, pending closure**
Number Decommissioned: **None** Number Retained: **five (5)**
List enforcement actions taken: **None**
List enforcement actions rescinded: **N/A**

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: **Dale Klettke** Title: **Hazardous Materials Specialist**

Signature: *Dale Klettke* Date: *7/11/96*

Reviewed by

Name: **eva chu** Title: **Hazardous Materials Specialist**

Signature: *eva chu* Date: *7/10/96*

Name: **Thomas Peacock** Title: **LOP Manager**

Signature: *Thomas Peacock* Date: *7-11-96*

VI. RWQCB NOTIFICATION

Date Submitted to RB:

RB Response: *Approved*

RWQCB Staff Name: **Kevin Graves**

Title: **AWRCE**

Signature: *[Handwritten Signature]*

Date: *8/19/96*

VII. ADDITIONAL COMMENTS, DATA, ETC.

When Unocal planned to remove the service station from its retail marketing system in June 1988, a subsurface investigation was conducted. Four soil boirngs, three around the gasoline USTs and one near the waste oil UST, were drilled and later converted to groundwater monitoring wells MW-1 to MW-4. The soil encountered consisted predominantly of medium-grained sand, sandy gravel, and gravel. Of the four (4) monitoring wells installed, the highest concentrations of petroleum hydrocarbons were detected in MW-1, closest to and down gradient of the service islands. The USTs were not removed until December 1991.

On March 11, 1993, a supplemental subsurface investigation was performed by RESNA, which consisted of the advancement of six (6) soil borings, of which one boring was converted to groundwater monitoring well MW-5.

Laboratory results of historical groundwater analyses from the five (5) on-site monitoring wells are summarized in Table 5.

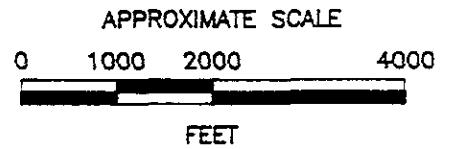
The subject site has conducted twenty-three (23) groundwater samplings for well MW-1 and nine (9) groundwater samplings for well MW-5. Low levels of petroleum hydrocarbons have been consistently been detected in wells MW-1 and MW-5, however, contaminant levels which have been detected since 12/14/93 (MW-1) and 9/12/94 (MW-5) have been at or below the maximum contaminant levels (MCLs) for primary drinking water standards (See Table 5).

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

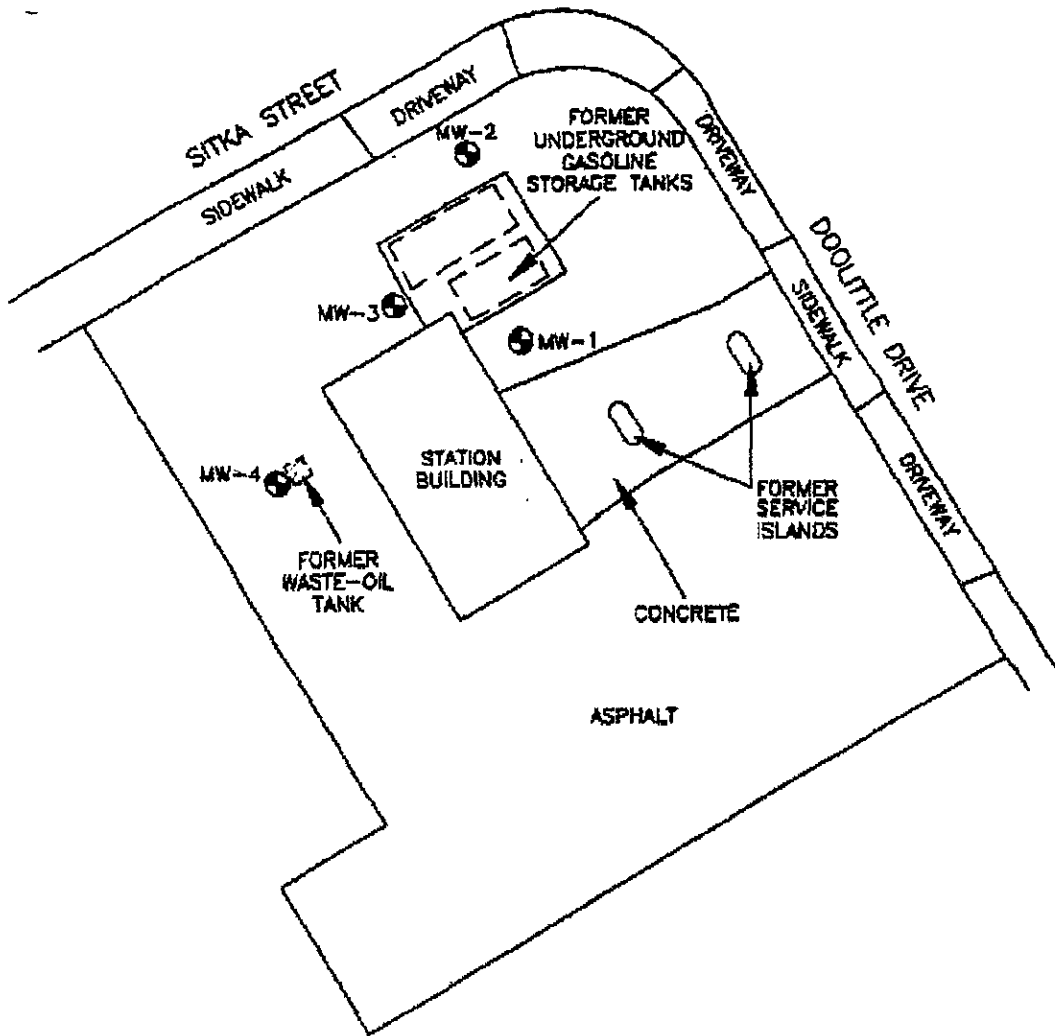
- a) The source has been sufficiently removed or has been remediated.
- b) The site has been adequately characterized.
- c) The dissolved hydrocarbon plume appears to be stable and is not migrating.
- d) No water walls, deeper drinking water wells, surface water or other sensitive receptors are likely to be impacted.
- e) The site presents no significant risk to human health or the environment.



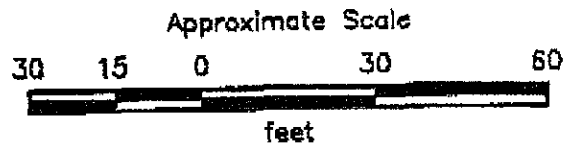
SOURCE: U.S. GEOLOGICAL SURVEY
 7.5-MINUTE QUADRANGLE
 SAN LEANDRO, CALIFORNIA
 PHOTOREVISED 1980



	SITE LOCATION MAP	PLATE 1
	UNOCAL STATION NO. 3844	
	1903 DOOLITTLE DRIVE	
PROJECT NO. 18052.6B	SAN LEANDRO, CALIFORNIA	

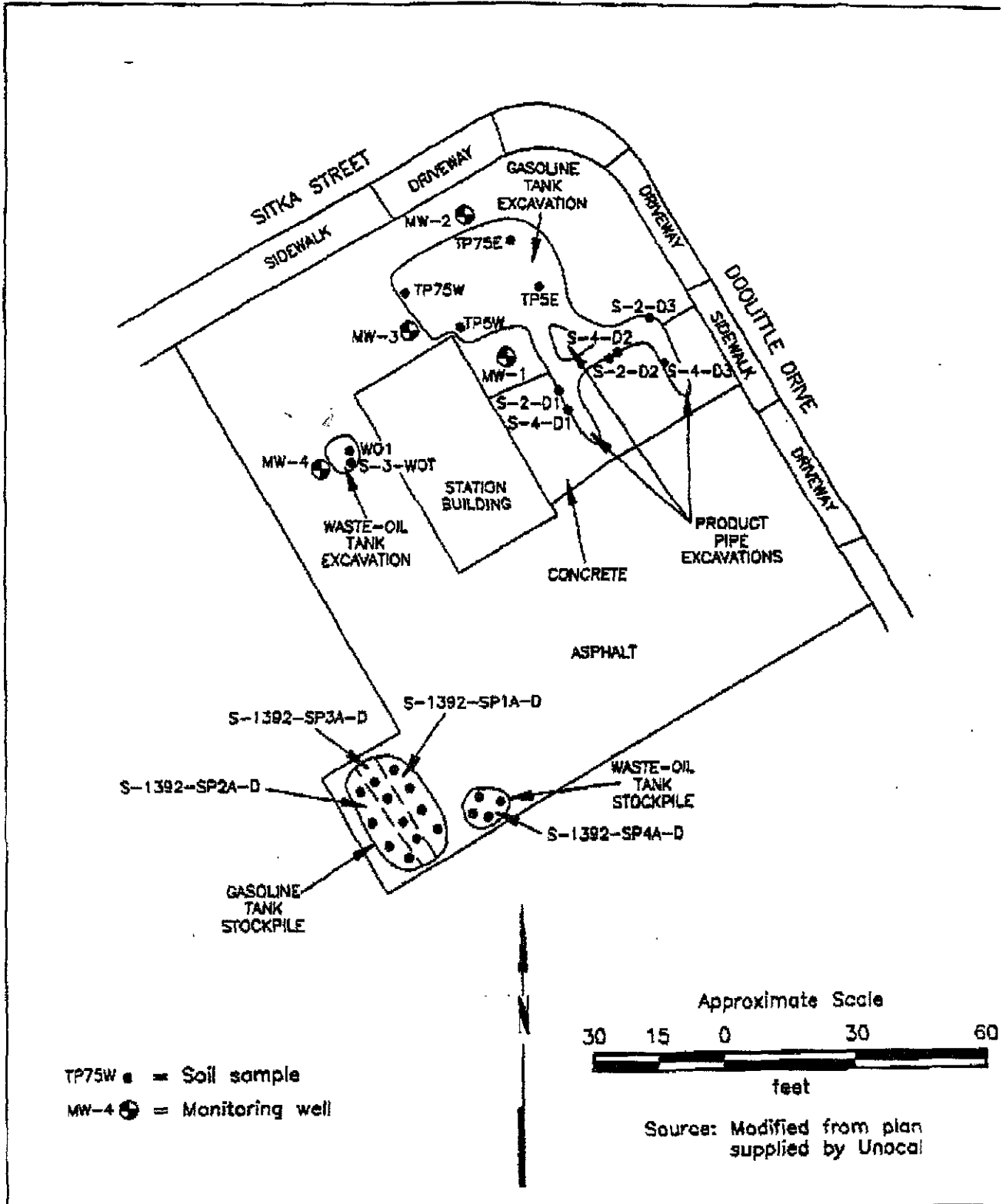


MW-4 ⊕ = Monitoring well

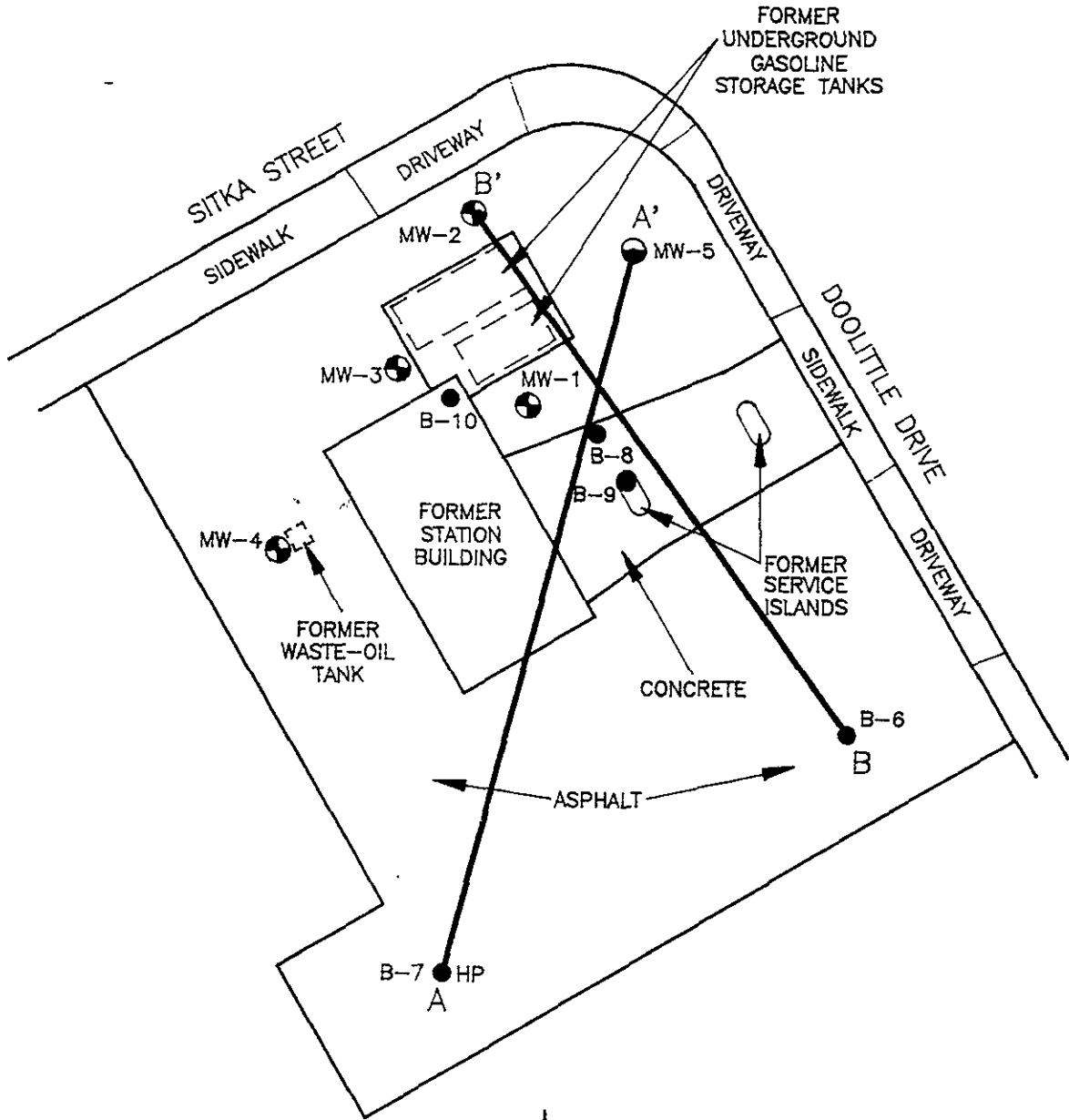


Source: Modified from plan supplied by Unocal

PROJECT NO. 18052-5	GENERALIZED SITE PLAN Unocal Station No. 3844 1903 Doolittle Drive San Leandro, California	PLATE 2
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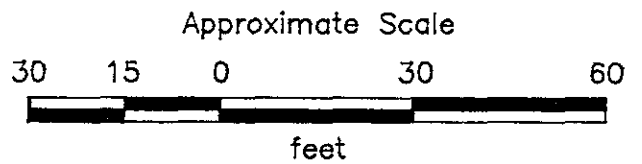
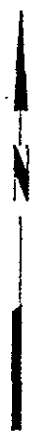


	EXCAVATION AND SOIL SAMPLE LOCATIONS Unocal Station No. 3844 1903 Doolittle Drive San Leandro, California	PLATE 3
PROJECT NO. 18052-5		



LEGEND

- MW-4 = MONITORING WELL
- MW-5 = NEW MONITORING WELL
- = SOIL BORING
- HP = SOIL BORING AND HYDROPUNCH WATER SAMPLE
- B — B' = CROSS SECTION LINE



Source: Modified from plan supplied by Unocal



GENERALIZED SITE PLAN AND CROSS SECTION LOCATION MAP

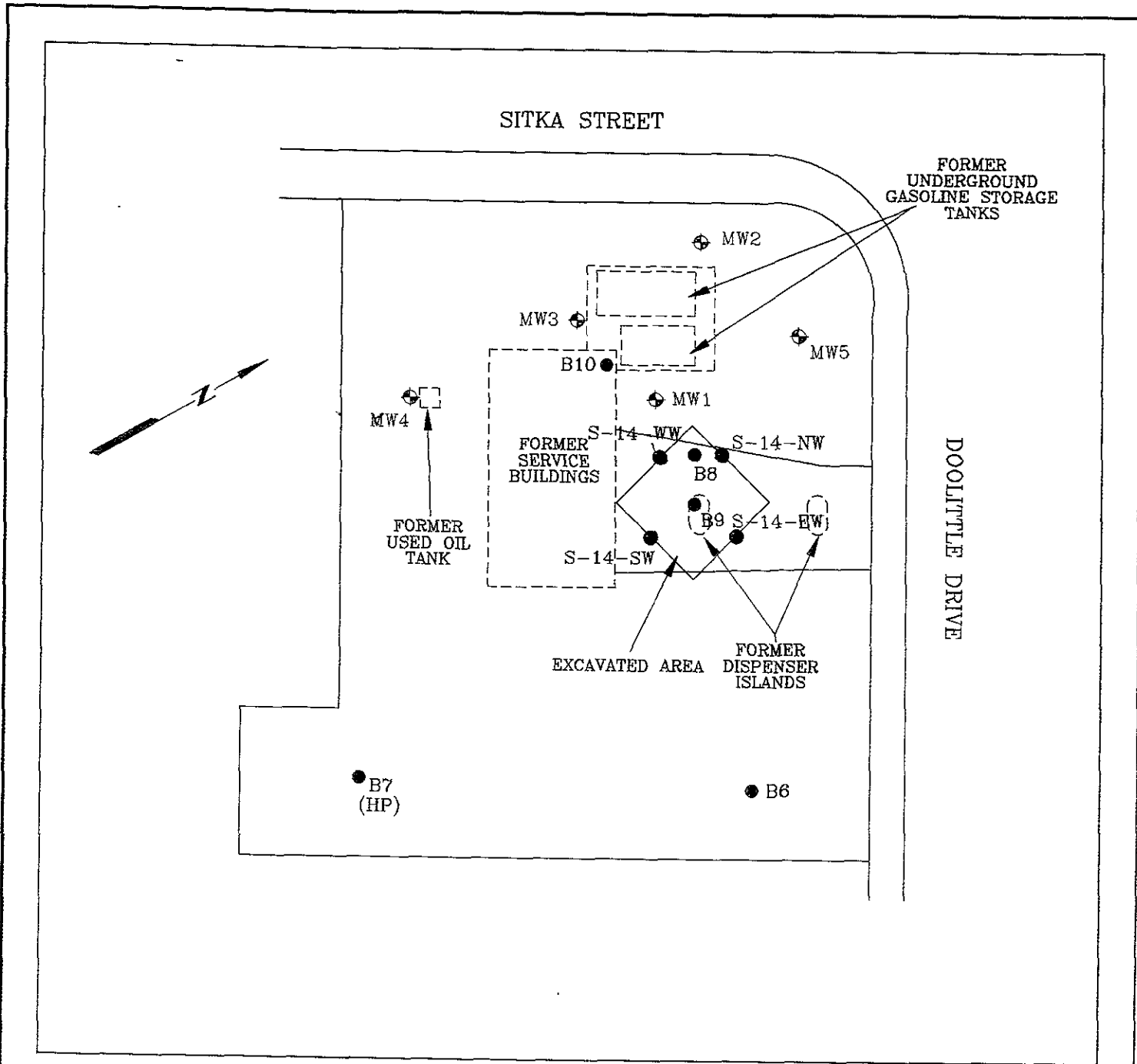
UNOCAL STATION NO. 3844

1903 DOOLITTLE DRIVE

SAN LEANDRO, CALIFORNIA

PLATE 4

PROJECT NO. 18052.6B



FN 20210002

EXPLANATION

- ⊕ MW5 Groundwater Monitoring Well
- B8 Soil Boring
- B7 (HP) Soil Boring and Hydropunch Water Sample
- S-14-WW Soil Sample

APPROXIMATE SCALE



SOURCE:
Modified from a map
provided by
Unocal



GENERALIZED SITE PLAN

Former Unocal Station 3844
1903 Doolittle Drive
San Leandro, California

PROJECT NO.

2021

PLATE

5

DATE: 7/18/95

TABLE 1
ANALYTICAL RESULTS (EXCAVATION SAMPLES)

Gasoline UST Excavation and Pipe Trenches

Sample No.	Depth (ft)	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl benzene (ppm)	Total Xylene (ppm)	Pb (ppm)	PCBs (ppm)
TP5U	14	2.0	<0.005	0.059	0.023	0.16	40	--
TP5E	14	<1.0	<0.005	0.010	<0.005	0.022	10	--
YP75U	14	<1.0	<0.005	<0.005	<0.005	<0.005	7.0	--
YP75E	14	<1.0	<0.005	<0.005	<0.005	<0.005	8.7	--
S-2-D1	3	<1.0	<0.005	<0.005	<0.005	<0.005	--	--
S-2-D2	3	<1.0	<0.005	<0.005	<0.005	<0.005	--	--
S-2-D3	3	<1.0	<0.005	<0.005	<0.005	<0.005	--	--
S-4-D1	4	<1.0	<0.005	<0.005	<0.005	<0.005	<50	--
S-4-D2	4	<1.0	<0.005	<0.005	<0.005	<0.005	8.0	--
S-4-D3	4	3.3	0.095	0.18	<0.005	0.38	5.4	--

Waste Oil UST Excavation

Sample No.	Depth (ft)	TPHd (ppm)	TOG (ppm)	VOCs (ppm)	Cd (ppm)	Cr (ppm)	Ni (ppm)	Pb (ppm)	Zn (ppm)
W01	6	<10	<50	<0.005	1.2	51	62	7.0	56

Sample No.	Depth (ft)	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl benzene (ppm)	Total Xylene (ppm)	PCBs (ppm)
W01	6	<1.0	<0.005	<0.005	<0.005	<0.005	--
2-3-W01	3	--	--	--	--	--	<0.05

**TABLE 2
ANALYTICAL RESULTS
(STOCKPILE SAMPLES)**

Gasoline UST Stockpile

Sample No.	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Ethylbenzene (ppm)	Total Xylene (ppm)
S-1392-SP1A-D	61	<0.005	<0.005	<0.005	0.84
S-1392-SP2A-D	41	<0.005	0.011	<0.005	0.48
S-1392-SP3A-D	380	<0.005	<0.005	<0.005	20

Sample No.	Reactivity	Corrosivity	Ignitability
S1201069	NO	7.5	111 F

Waste Oil UST Stockpile

Sample No.	TOG (ppm)	VOCs (ppm)	Cd (ppm)	Cr (ppm)	Ni (ppm)	Pb (ppm)	Zn (ppm)
S-1392-SP4A-D	180	<0.005	1.4	38	35	11	170

Supplemental Subsurface Investigation
Unocal Station No. 3844, San Leandro, California

August 3, 1993
18052.6B

TABLE **3**
SUMMARY OF SOIL SAMPLING AND ANALYTICAL DATA
Former Unocal Station No. 3844
San Leandro, California

Boring/ Well	Sample Type	Sample Number	Sample Date	TPHg	B	T	E	X	TPHd	Pb
MW-5	Soil	S-4-MW5	03/11/93	<1.0	<0.005	<0.005	<0.005	<0.005	NA	NA
	Soil	S-9-MW5	03/11/93	<1.0	<0.005	<0.005	<0.005	<0.005	NA	NA
	Soil	S-11.5-MW5	03/11/93	<1.0	<0.005	<0.005	<0.005	<0.005	NA	NA
B6	Soil	S-12.5-B6	03/11/93	<1.0	<0.005	<0.005	<0.005	<0.005	NA	NA
B7	Soil	S-12.5-B7	03/11/93	<1.0	<0.005	<0.005	<0.005	<0.005	NA	NA
B8	Soil	S-9-B8	03/11/93	<1.0	<0.005	<0.005	<0.005	<0.005	NA	NA
	Soil	S-13-B8	03/11/93	5.0**	0.015	0.21	0.049	0.42	<1.0**	NA
B9	Soil	S-4-B9	03/11/93	50	<0.005	0.077	0.041	2.9	NA	NA
	Soil	S-9-B9	03/11/93	2.4	<0.005	0.037	0.012	0.13	NA	NA
	Soil	S-13-B9	03/11/93	5,300	2.2	250	68	430	<1.0**	NA
B10	Soil	S-13-B10	03/11/93	<1.0	<0.005	<0.005	<0.005	<0.005	NA	NA
Cuttings	Soil	S-Comp	03/11/93	220	<0.005	0.069	0.64	5.9	NA	0.10

Results shown in parts per million (ppm).

B = Benzene, T = Toluene, E = Ethylbenzene, X = total Xylenes (following EPA Method 8020/602).

TPHg = Total petroleum hydrocarbons as gasoline (following EPA Method 8015 Modified).

TPHd = Total petroleum hydrocarbons as diesel (following EPA Method 8015 Modified).

Pb = STLC Lead following WET Extraction Method.

NA = Not analyzed.

* = Chromatogram contains a discrete peak that eludes before benzene

** = Chromatogram indicates gasoline.

Sample designation:

S - 13.5 - MW-5

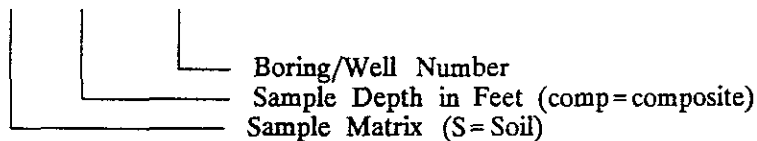


TABLE 4
RESULTS OF ANALYSES OF SOIL SAMPLES FROM EXCAVATION
 Former Unocal Station 3844
 1903 Doolittle Drive
 San Leandro, California

Sample Designation	TPHg		B	T	E	X
Dispenser Island Excavations						
S-14-NW	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
S-14-SW	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
S-14-EW	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
S-14-WW	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050

All results in parts per million (ppm)

TPHg = Total petroleum hydrocarbons as gasoline using EPA Method 8015 (modified)

< = Less than the analytical detection limits used by laboratory

BTEX = Benzene, Toluene, Ethylbenzene, total xylene isomers using EPA Method 8020.

Table 5
 Summary of Laboratory Analyses
 Water

Well #	Date	TPH as Gasoline	Benzene	Toluene	Ethyl Benzene	Xylenes	MTBE
MW-1	6/15/88	1,600	600	315	61	138	--
	9/19/88	8,200	883	185	239	265	--
	1/5/89	7,250	270	366	143	226	--
	4/10/89	360	15	44	17	33	--
	7/13/89	7,500	190	930	85	480	--
	10/25/89	7,300	110	370	57	300	--
	1/18/90	4,600	98	210	72	530	--
	4/27/90	850	9.3	53	7.4	65	--
	8/15/90	720	7.1	20	8.4	35	--
	11/16/90	1,700	11	22	6.5	28	--
	2/25/91	310	27	39	12	53	--
	9/11/91	1,500	21	45	48	220	--
	3/27/92	18,000	95	1,300	310	1,900	--
	9/25/92	ND*	ND	ND	1.1	4.8	--
	3/26/93	22,000	9.3	790	520	3,000	--
	6/24/93	3,000	ND	260	150	530	--
	9/1/93	550	ND	ND	46	130	--
	12/14/93	ND	ND	ND	ND	ND	--
	3/17/94	ND	ND	ND	ND	ND	--
	6/14/94	ND	0.52	1.2	ND	2.1	--
	9/12/94	ND	ND	1.1	ND	3.6	--
	1/3/96	ND	ND	1.4	0.79	4.9	--
	4/11/96	92	ND	ND	8.7	16	ND
MW-2	6/15/88	580	5.0	7.1	1.6	5.2	--
	9/19/88	80	ND	ND	ND	ND	--
	1/5/89	70	ND	ND	ND	ND	--
	4/10/89	ND	ND	ND	ND	ND	--
	7/13/89	56	ND	ND	ND	ND	--
	10/25/89	ND	ND	ND	ND	ND	--
	1/18/90	37	0.88	2.1	0.59	3.7	--
	4/27/90	ND	ND	ND	ND	ND	--
	8/15/90	ND	ND	ND	ND	ND	--
	11/16/90	ND	ND	ND	ND	ND	--
	2/25/91	ND	ND	ND	ND	ND	--
	9/11/91	ND	ND	ND	ND	ND	--
	3/27/92	ND	ND	ND	ND	ND	--
	9/25/92	ND	ND	ND	ND	ND	--
	3/26/93	NOT SAMPLED					--
	6/24/93	ND	ND	ND	ND	ND	--
9/1/93	NOT SAMPLED					--	
12/14/93	ND	ND	ND	ND	ND	--	

Table 5
 Summary of Laboratory Analyses
 Water

Well #	Date	FPH as Gasoline	Benzene	Toluene	Ethyl- Benzene	Xylenes	MTBE
MW-2	3/17/94	ND	ND	ND	ND	ND	--
(Cont.)	6/14/94	SAMPLED SEMI-ANNUALLY					
	9/12/94	ND	0.62	2.1	ND	2.8	--
	1/3/96	ND	ND	1.1	ND	3.1	--
	4/11/96	ND	ND	ND	ND	ND	ND
MW-3	6/15/88	30	3.2	ND	ND	ND	--
	9/18/88	40	ND	ND	ND	ND	--
	1/5/89	ND	ND	ND	ND	ND	--
	4/10/89	ND	ND	ND	ND	ND	--
	7/13/89	ND	ND	ND	ND	ND	--
	10/25/89	ND	ND	ND	ND	ND	--
	1/18/90	ND	ND	ND	ND	ND	--
	4/27/90	ND	ND	ND	ND	ND	--
	8/15/90	ND	ND	ND	ND	ND	--
	11/16/90	ND	ND	ND	ND	ND	--
	2/25/91	ND	ND	ND	ND	ND	--
	9/11/91	ND	ND	ND	ND	ND	--
	3/27/92	ND	ND	ND	ND	ND	--
	9/25/92	ND	ND	ND	ND	ND	--
	3/26/93	NOT SAMPLED					
	6/24/93	ND	ND	ND	ND	ND	--
	9/1/93	NOT SAMPLED					
	12/14/93	ND	ND	ND	ND	ND	--
	3/17/94	ND	ND	ND	ND	ND	--
	6/14/94	SAMPLED SEMI-ANNUALLY					
	9/12/94	ND	ND	ND	ND	ND	--
	1/3/96	ND	ND	ND	ND	ND	--
	4/11/96	NOT SAMPLED					
MW-4	6/21/88	NOT SAMPLED					
	9/19/88	NOT SAMPLED					
	1/5/89	NOT SAMPLED					
	4/10/89	NOT SAMPLED					
	7/27/89	NOT SAMPLED					
	10/25/89	NOT SAMPLED					
	1/18/90	NOT SAMPLED					
	4/27/90	ND	ND	ND	ND	ND	--
	8/15/90	ND	ND	ND	ND	ND	--
	11/16/90	ND	ND	ND	ND	ND	--
	2/25/91	ND	ND	ND	ND	ND	--
	9/11/91	ND	ND	ND	ND	ND	--

Table 5
 Summary of Laboratory Analyses
 Water

Well #	Date	TPH as Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylenes	MTBE
MW-4	3/27/92	ND	ND	ND	ND	ND	--
(Cont.)	9/25/92	ND	ND	ND	ND	ND	--
	3/26/93	NOT SAMPLED					
	6/24/93	ND	ND	ND	ND	ND	--
	9/1/93	NOT SAMPLED					
	12/14/93†	ND	ND	ND	ND	ND	--
	3/17/94†	ND	ND	ND	ND	ND	--
	6/14/94	SAMPLED SEMI-ANNUALLY					
	9/12/94†	ND	ND	0.75	ND	0.77	--
	1/3/96	ND	ND	ND	ND	1	--
	4/11/96†	ND	ND	ND	ND	ND	ND
MW-5	3/26/93	29,000	44	1,100	460	3,900	--
	6/24/93	4,400	ND	210	160	570	--
	9/1/93	2,700	ND	79	84	520	--
	12/14/93	1,400	5.1	67	63	370	--
	3/17/94	ND	ND	ND	ND	ND	--
	6/14/94	1,600	2.9	65	64	380	--
	9/12/94	430	1.3	12	22	110	--
	1/3/96	540	ND	0.86	17	87	--
	4/11/96	140	ND	0.62	1.4	13	ND

* Chromatogram also contains a discrete early-eluting peak.

** Laboratory ran duplicate analysis on sample and received similar results.

† Total Oil and Grease (TOG) was non-detectable.

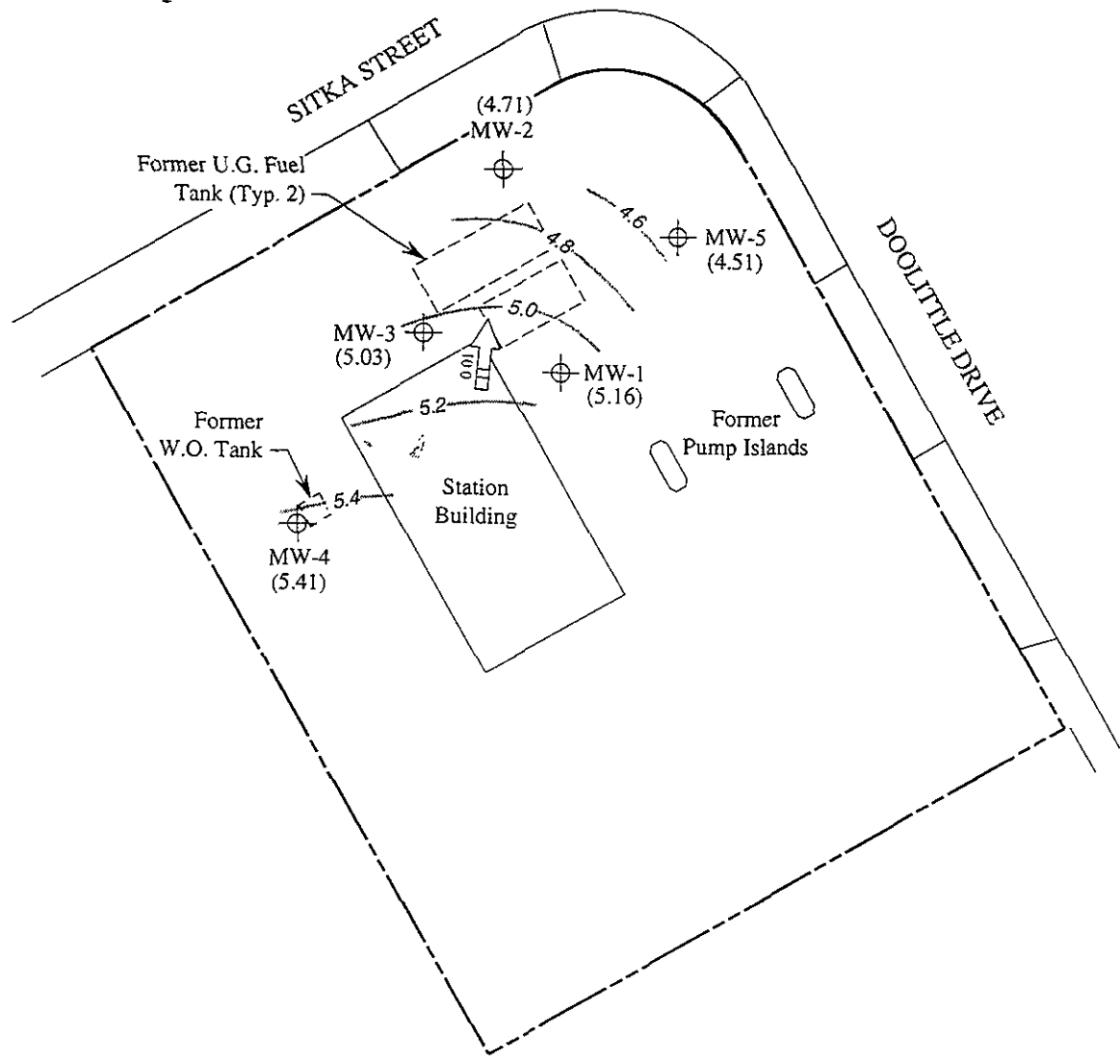
ND = Non-detectable.

Results are in micrograms per liter (µg/L), unless otherwise indicated.

Note: The detection limit for results reported as ND by Sequoia Analytical Laboratory is equal to the stated detection limit times the dilution factor indicated on the laboratory analytical sheets.

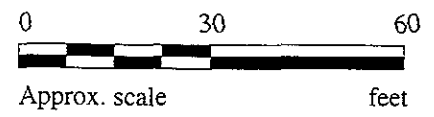
Prior to August 1, 1995, the total purgeable petroleum hydrocarbon (TPH as gasoline) quantification range used by Sequoia Analytical Laboratory was C4 - C12. Since August 1, 1995, the quantification range used by Sequoia Analytical Laboratory is C6 - C12.

Laboratory analyses data prior to December 14, 1993, were provided by RESNA.



LEGEND

- Monitoring well
- Ground water elevation in feet above Mean Sea Level
- Direction of ground water flow with approximate hydraulic gradient
- Contours of ground water elevation

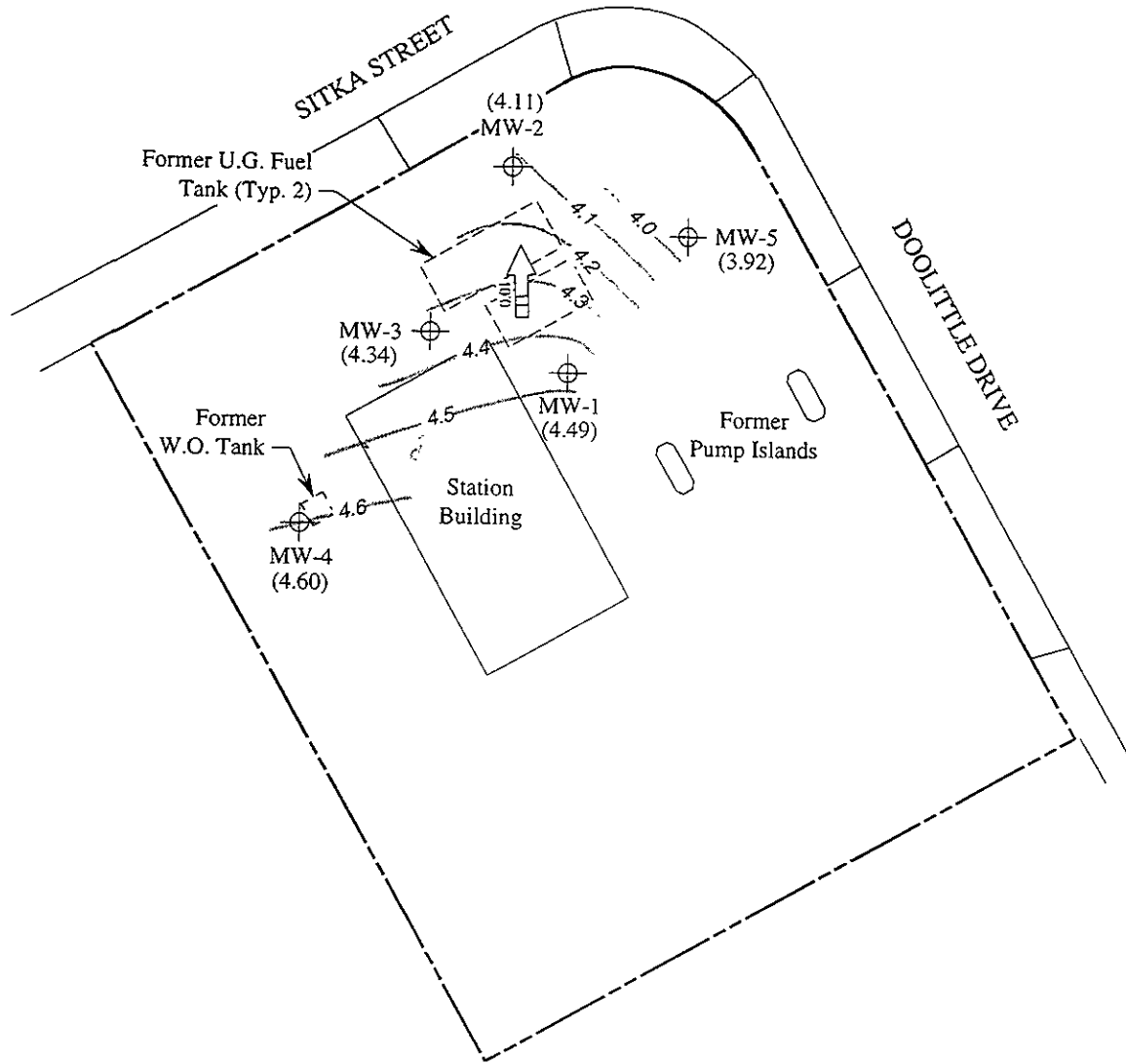


POTENTIOMETRIC SURFACE MAP FOR THE APRIL 11, 1996 MONITORING EVENT







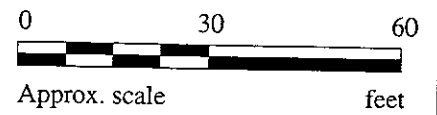
**FORMER UNOCAL S/S #3844
1903 DOOLITTLE DRIVE
SAN LEANDRO, CALIFORNIA**

**FIGURE
1**



LEGEND

-  Monitoring well
-  Ground water elevation in feet above Mean Sea Level
-  Direction of ground water flow with approximate hydraulic gradient
-  Contours of ground water elevation

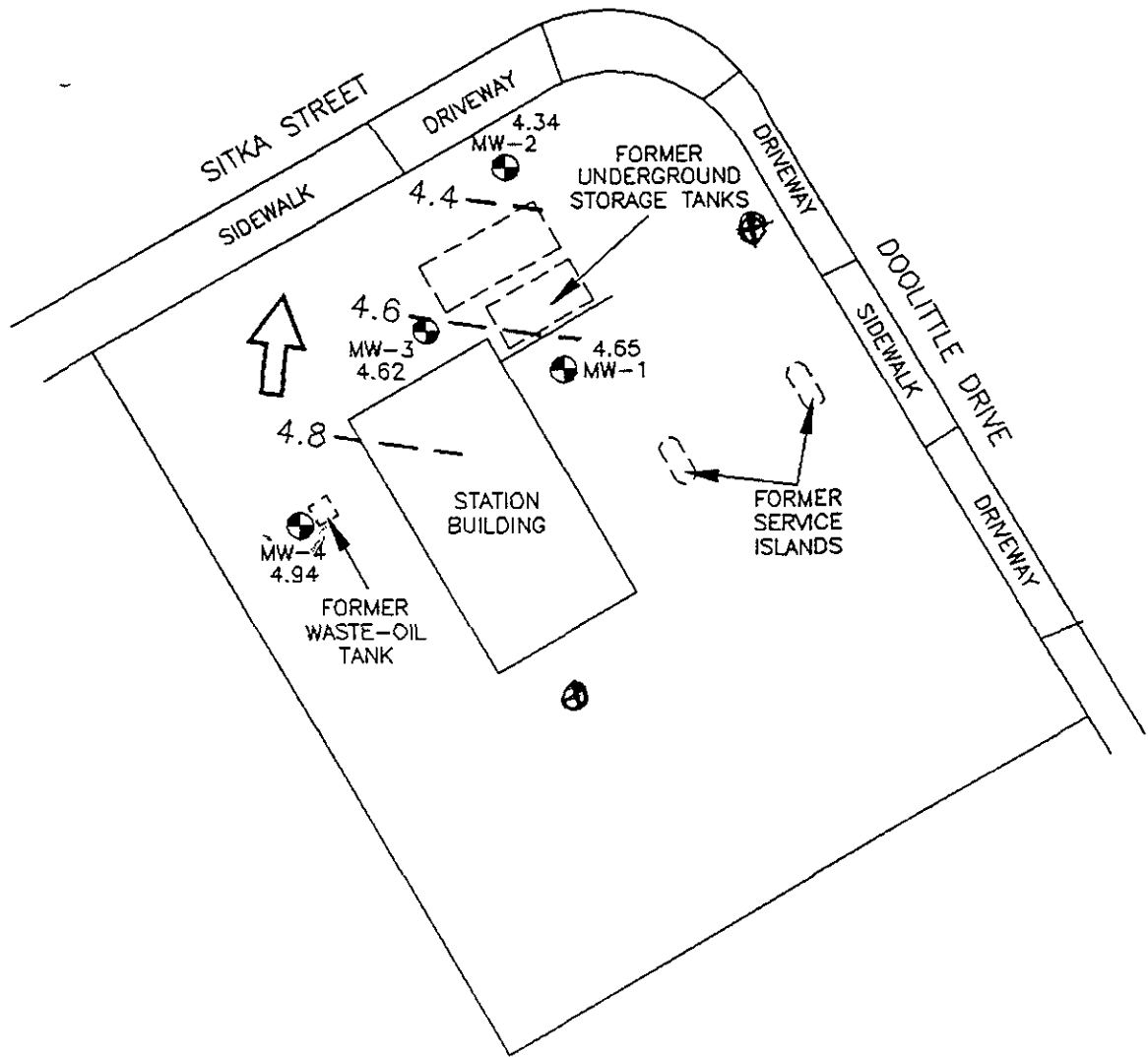


POTENTIOMETRIC SURFACE MAP FOR THE JANUARY 3, 1996 MONITORING EVENT

MPDS SERVICES, INCORPORATED

FORMER UNOCAL S/S #3844
1903 DOOLITTLE DRIVE
SAN LEANDRO, CALIFORNIA

FIGURE
1



- 4.8 - - - = Line of equal elevation of ground water in feet
- 4.94 = Elevation of ground water in feet above mean sea level
- = Approximate direction of groundwater flow (March 27, 1992)
- MW-4 = Monitoring well

Approximate Scale

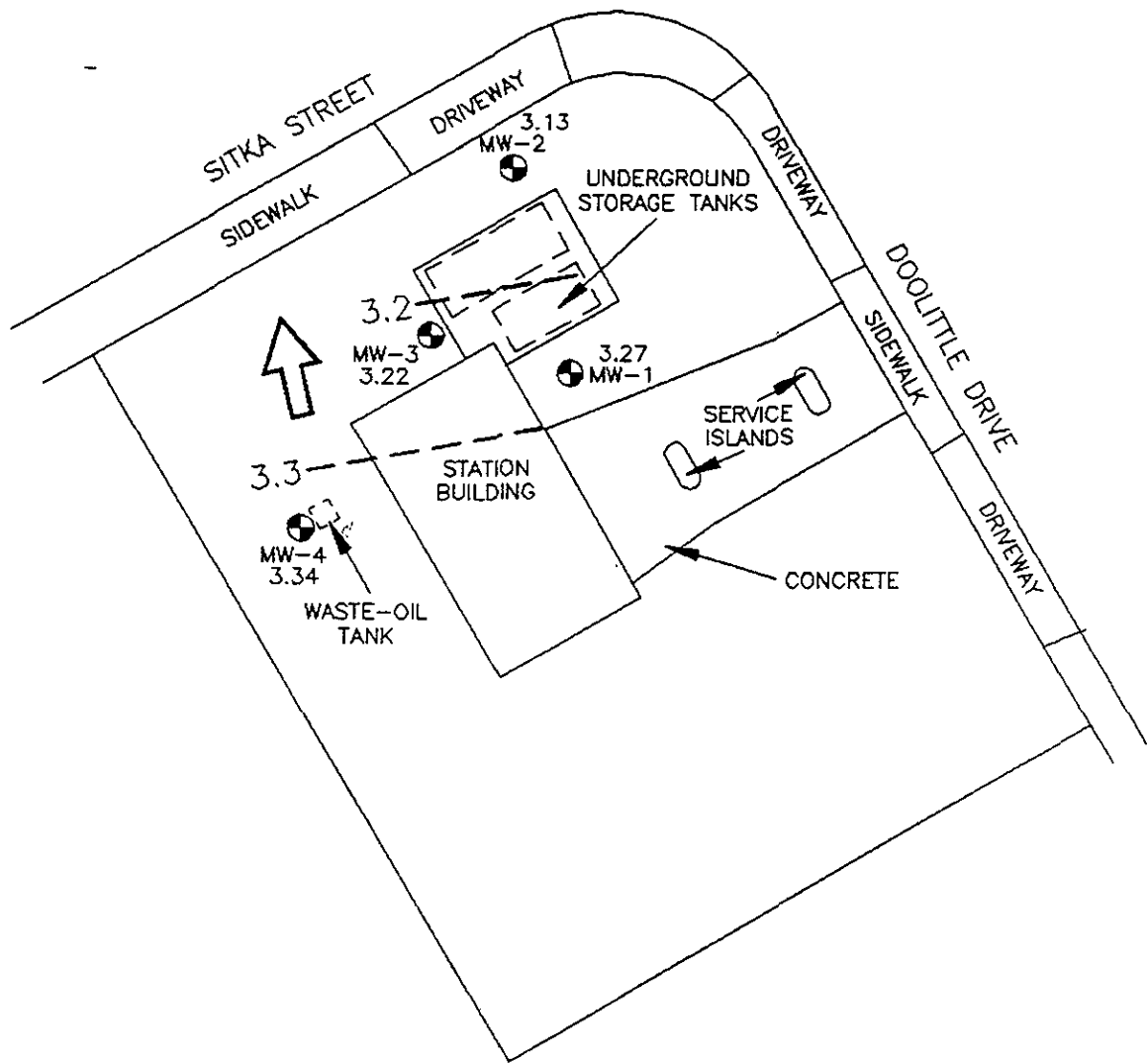
30 15 0 30 60



feet

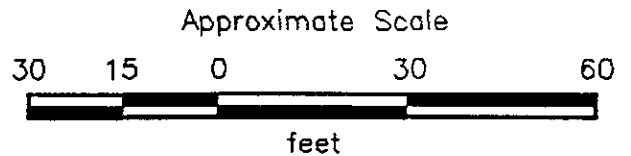
Source: Modified from plan supplied by Unocal

NOTE: Contours are based on interpretation of available data, and are not intended to imply certainty.

PROJECT NO. 18052-5	GENERALIZED SITE PLAN AND GROUND-WATER ELEVATION MAP Unocal Station No. 3844 1903 Doolittle Drive San Leandro, California	PLATE 2
---------------------	---	----------------



- 3.3 — = Line of equal elevation of ground water in feet
- 3.34 = Elevation of ground water in feet above mean sea level
-  = Approximate direction of groundwater flow (September 11, 1991)
- MW-4  = Monitoring well (Applied GeoSystems, May 1988)



Source: Modified from plan supplied by Unocal

NOTE: Contours are based on interpretation of available data, and are not intended to imply certainty.

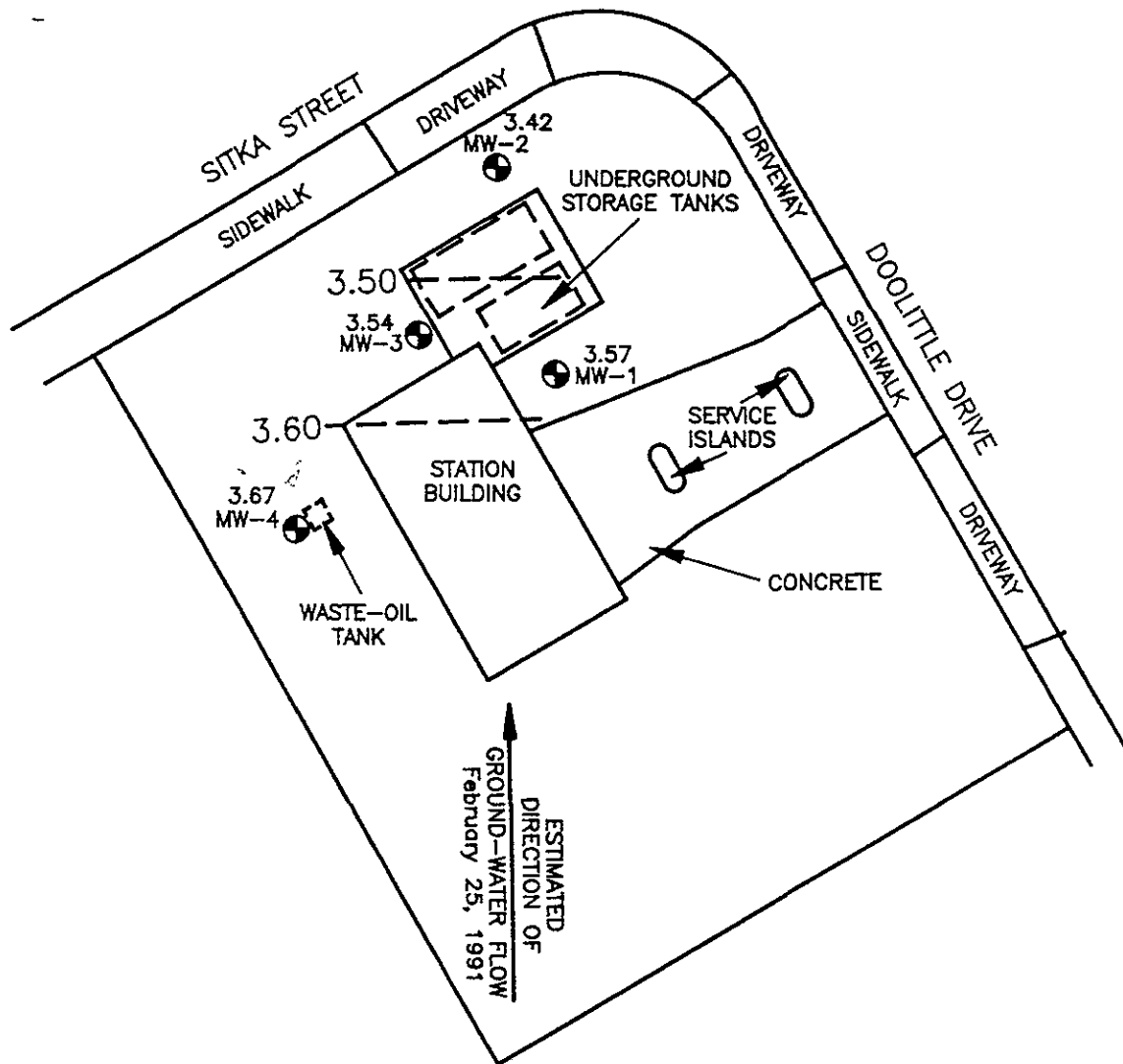
RESNA

GENERALIZED SITE PLAN AND
GROUND-WATER ELEVATION MAP
Unocal Station No. 3844
1903 Doolittle Drive
San Leandro, California

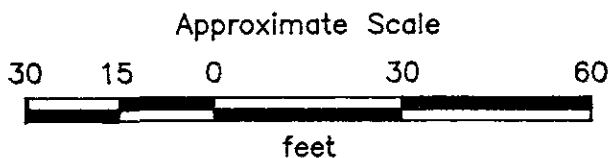
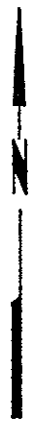
PLATE

2

PROJECT NO. 18052-4



- 3.60 — = Line of equal elevation of ground water in feet
- 3.67 = Elevation of ground water in feet above mean sea level
- MW-4 ⊕ = Monitoring well (Applied GeoSystems, May 1988)



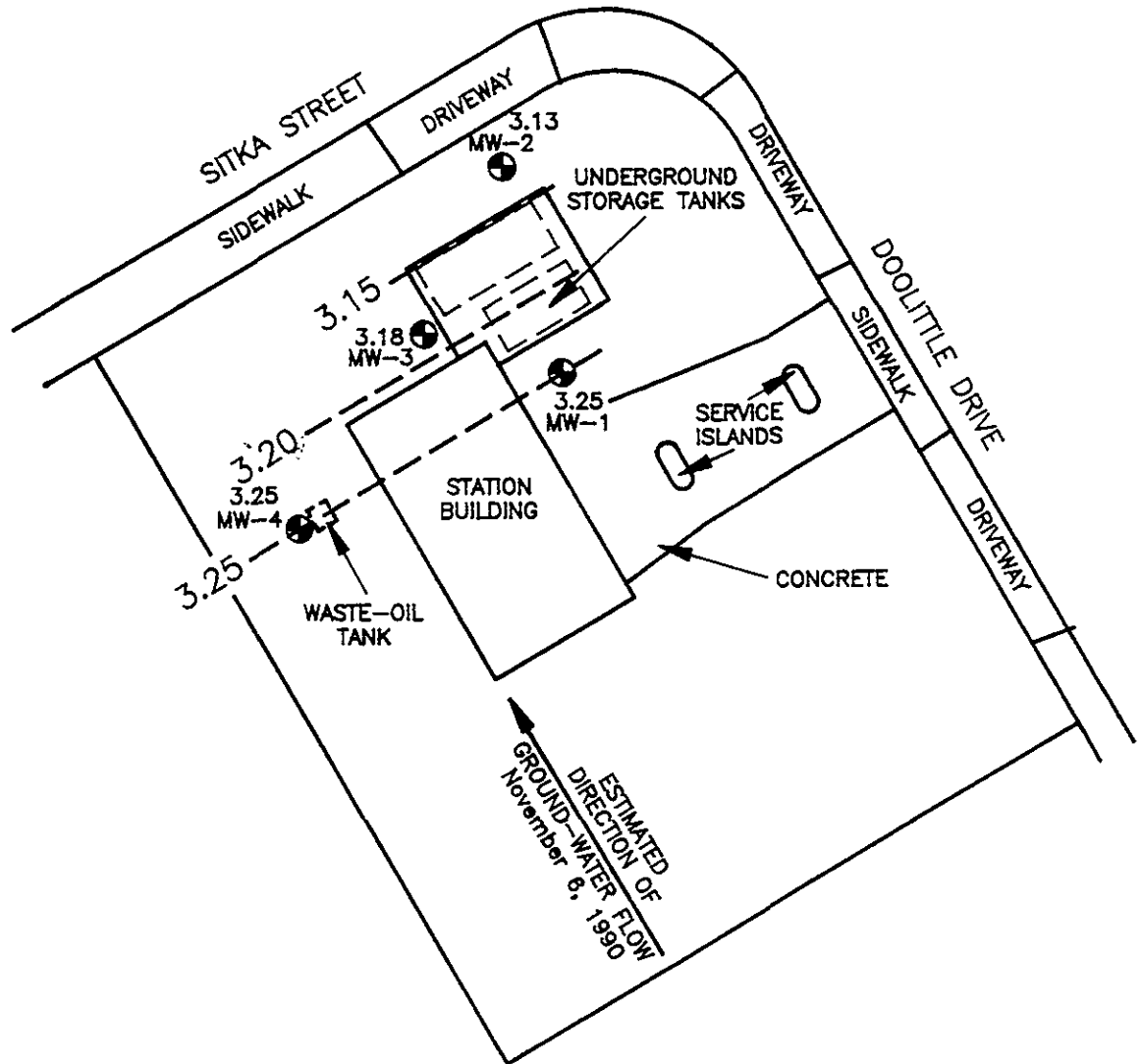
Source: Modified from plan supplied by Unocal



PROJECT NO. 18052-4

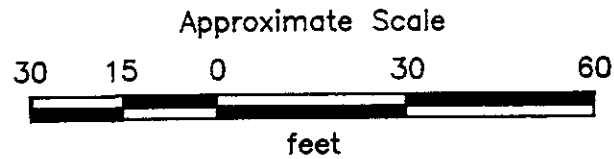
**GENERALIZED SITE PLAN AND
GROUND-WATER ELEVATION MAP
Unocal Station No. 3844
1903 Doolittle Drive
San Leandro, California**

**PLATE
2**



- 3.25 — = Line of equal elevation of ground water in feet
- 3.25 = Elevation of ground water in feet above mean sea level
- MW-4 ⊕ = Monitoring well

ESTIMATED
DIRECTION OF
GROUND-WATER FLOW
November 8, 1990



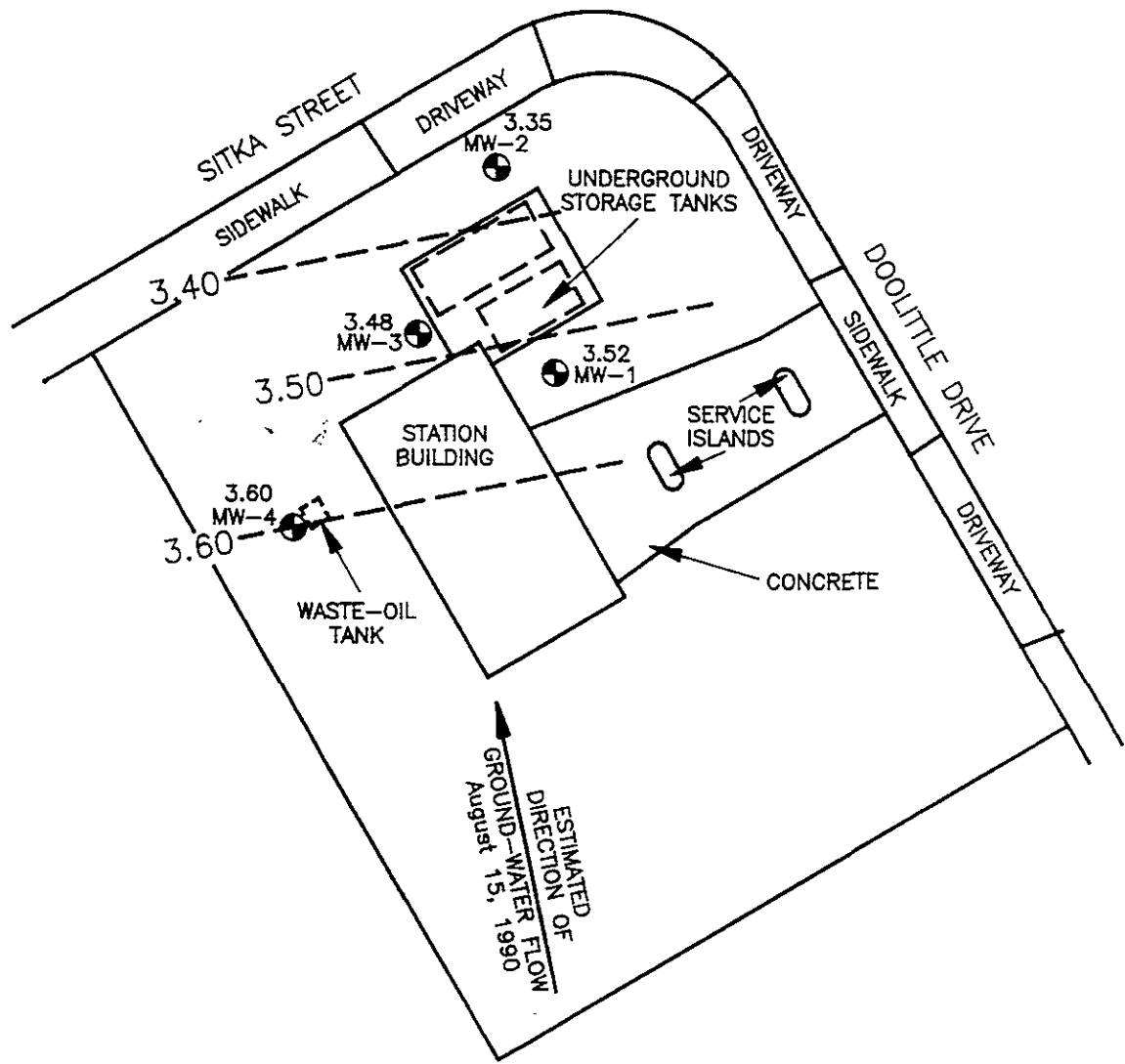
Source: Modified from plan supplied by Unocal



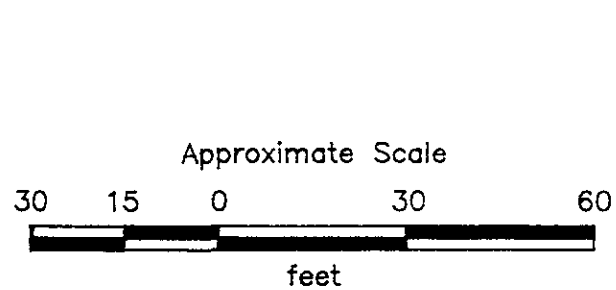
PROJECT NO. 18052-3

GROUND-WATER ELEVATION MAP
Unocal Station No. 3844
1903 Doolittle Drive
San Leandro, California

PLATE
P - 3



- 3.60 ——— = Line of equal elevation of ground water in feet
- 3.60 = Elevation of ground water in feet above mean sea level
- MW-4 ⊕ = Monitoring well



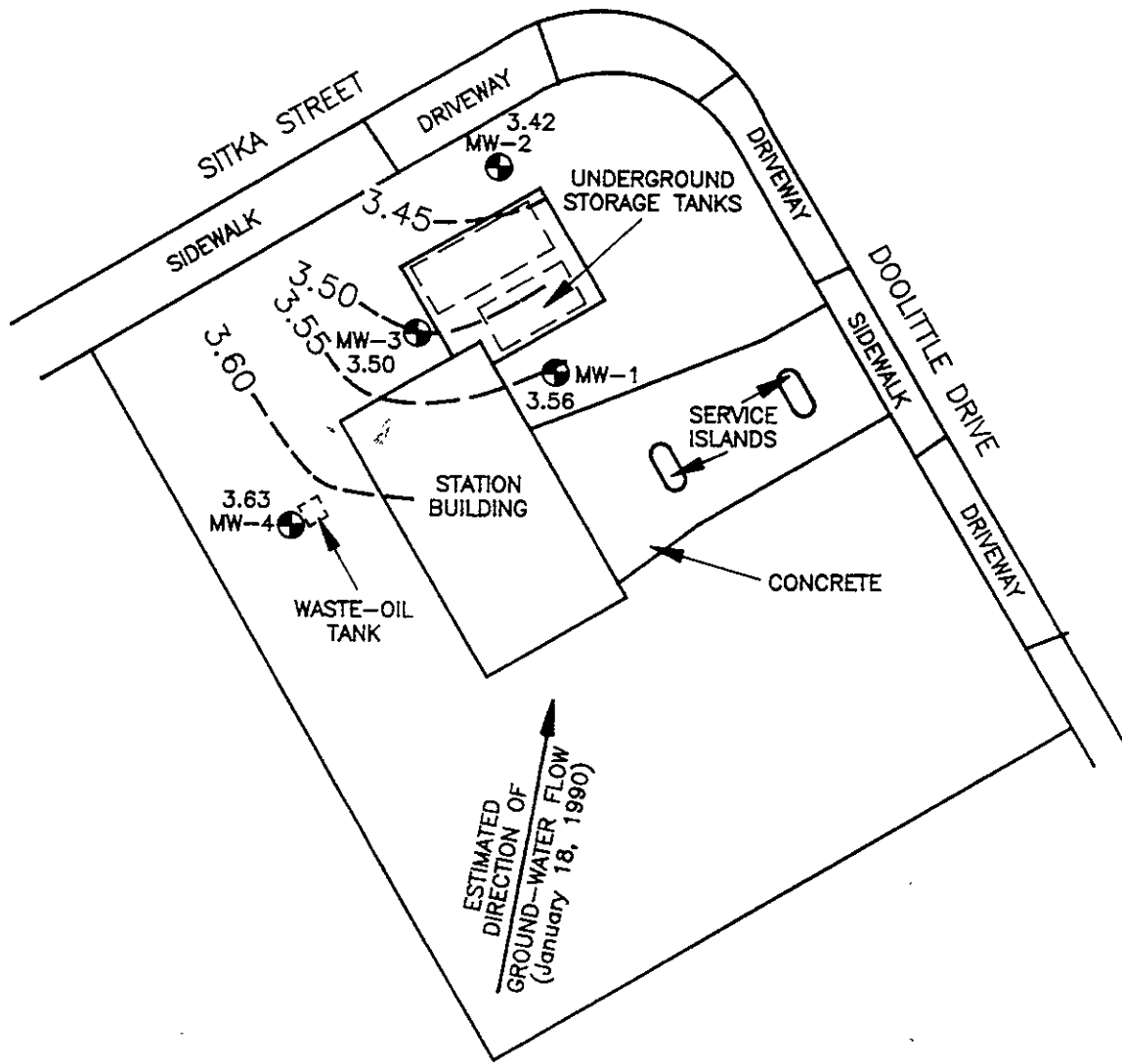
Source: Modified from plan supplied by Unocal



PROJECT NO. 18052-3

GROUND-WATER ELEVATION MAP
Unocal Station No. 3844
1903 Doolittle Drive
San Leandro, California

PLATE
P - 3



3.60 ---

= Line of equal elevation of ground water in feet

3.63 = Elevation of ground water in feet above mean sea level

MW-4 ⊕ = Monitoring well



Approximate Scale



feet

Source: Modified from plan supplied by Unocal



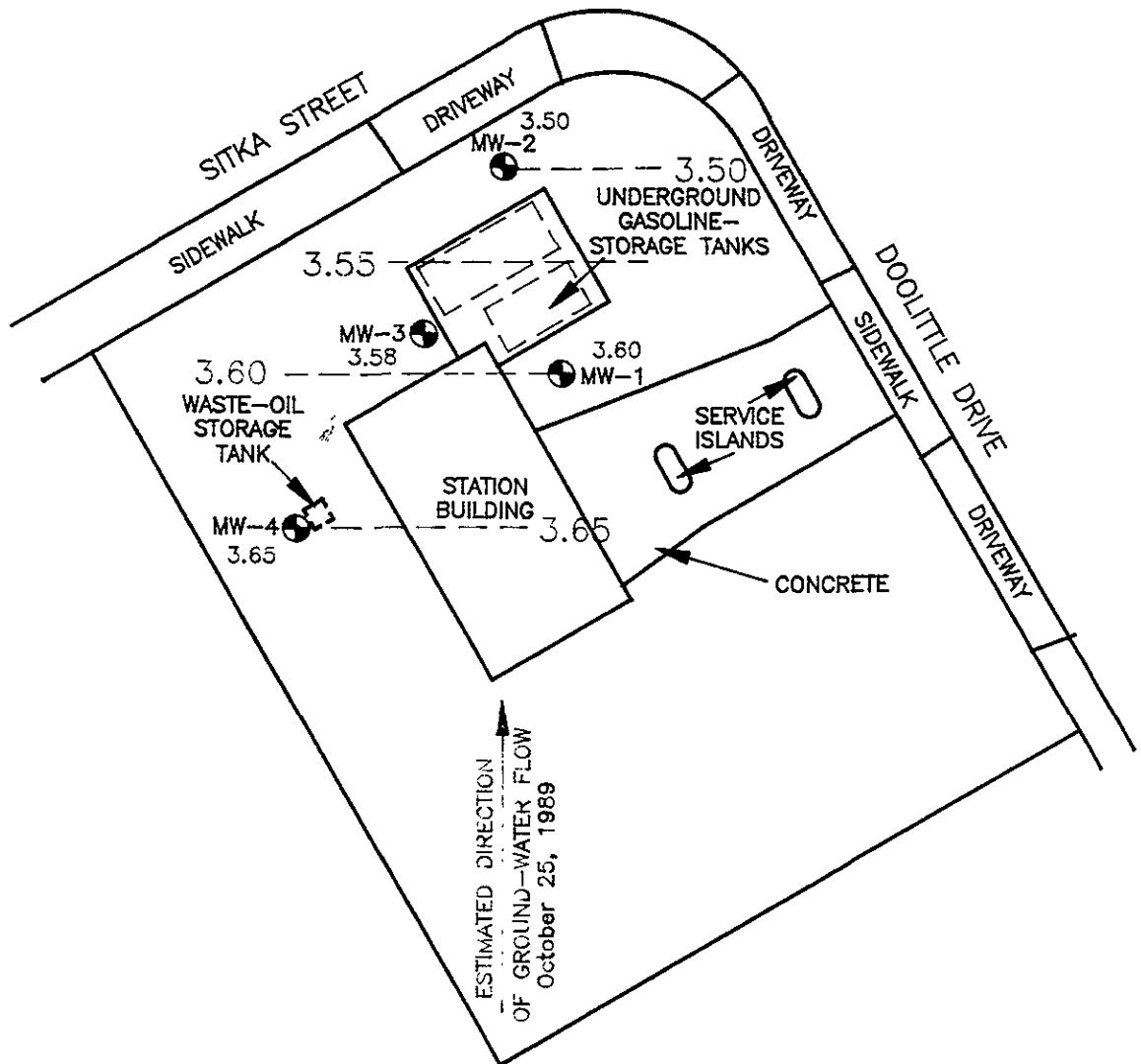
Applied GeoSystems

PROJECT NO. 18052-2

GROUND-WATER ELEVATION MAP
Unocal Station No. 3844
1903 Doolittle Drive
San Leandro, California


PLATE

P - 3

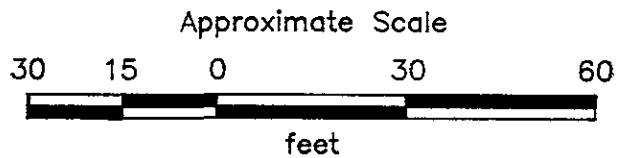
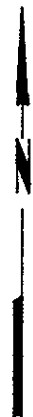


--- 3.65 = Line of equal elevation
of ground water in feet
above mean sea level

3.65 = Elevation of ground water

MW-4  = Monitoring well

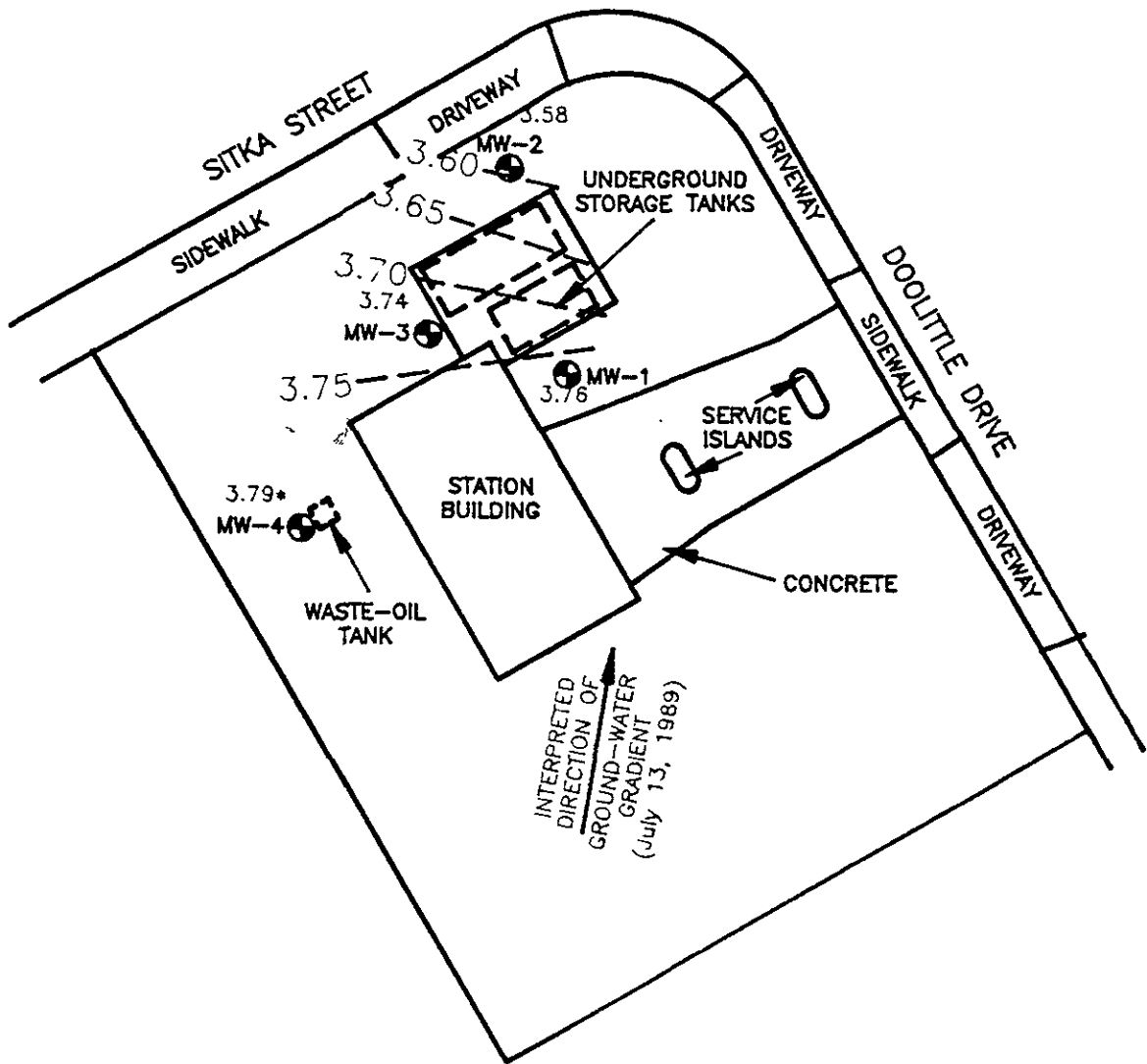
Source: Modified from plan
supplied by Unocal



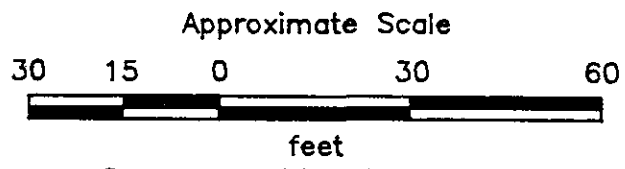
PROJECT NO. 18052-2

GROUND-WATER ELEVATION MAP
Unocal Station No. 3844
1903 Doolittle Drive
San Leandro, California

PLATE
P - 3



- 3.75 --- = Line of equal elevation of ground water in feet
- 3.76 = Elevation of ground water in feet above mean sea level
- 3.79* = Measured on 7-27-89
- MW-4 ● = Monitoring well



Source: Modified from plan supplied by Unocal

Elevations of well MW-1 - MW-3 surveyed by Ron Archer (July 13, 1989)

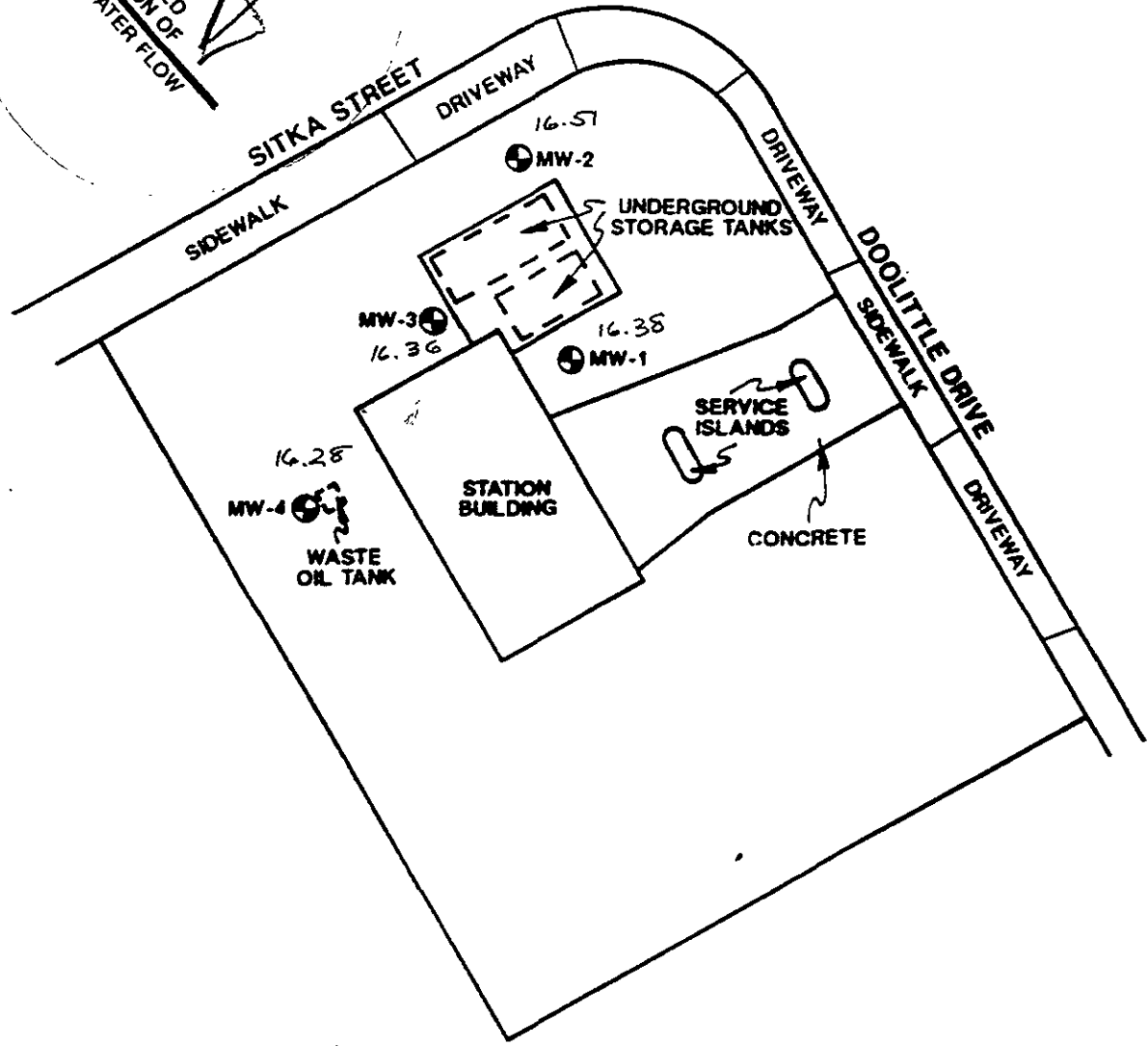


PROJECT NO. 18052-2

GROUND-WATER ELEVATION MAP
Unocal Station No. 3844
1903 Doolittle Drive
San Leandro, California

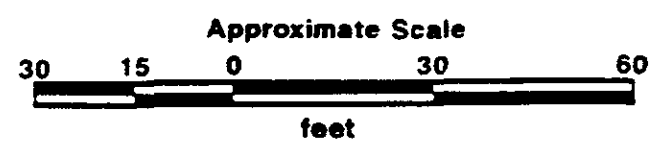
PLATE
P - 3

MEASURED
DIRECTION OF
GROUND-WATER FLOW



⊕ = Monitoring well location

Source: Modified from plan
supplied by UNOCAL



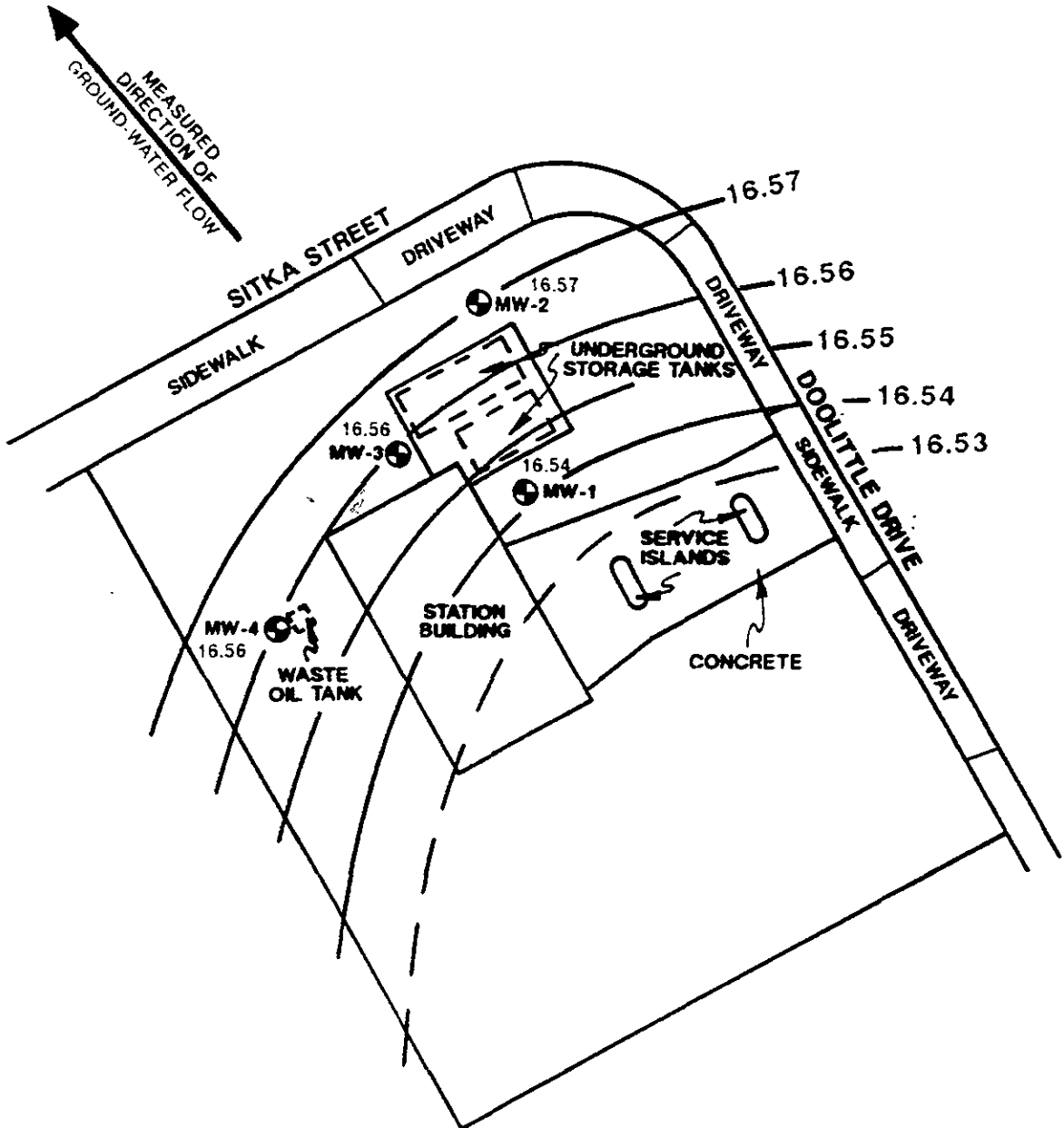
JANUARY 5, 1989



PROJECT NO. 018052-1

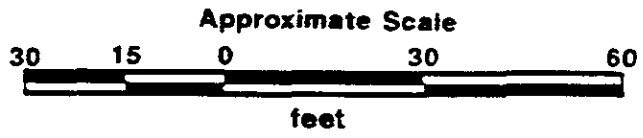
GENERALIZED SITE PLAN
UNOCAL Station No. 3844
1903 Doolittle Drive
San Leandro, California

PLATE
P - 2



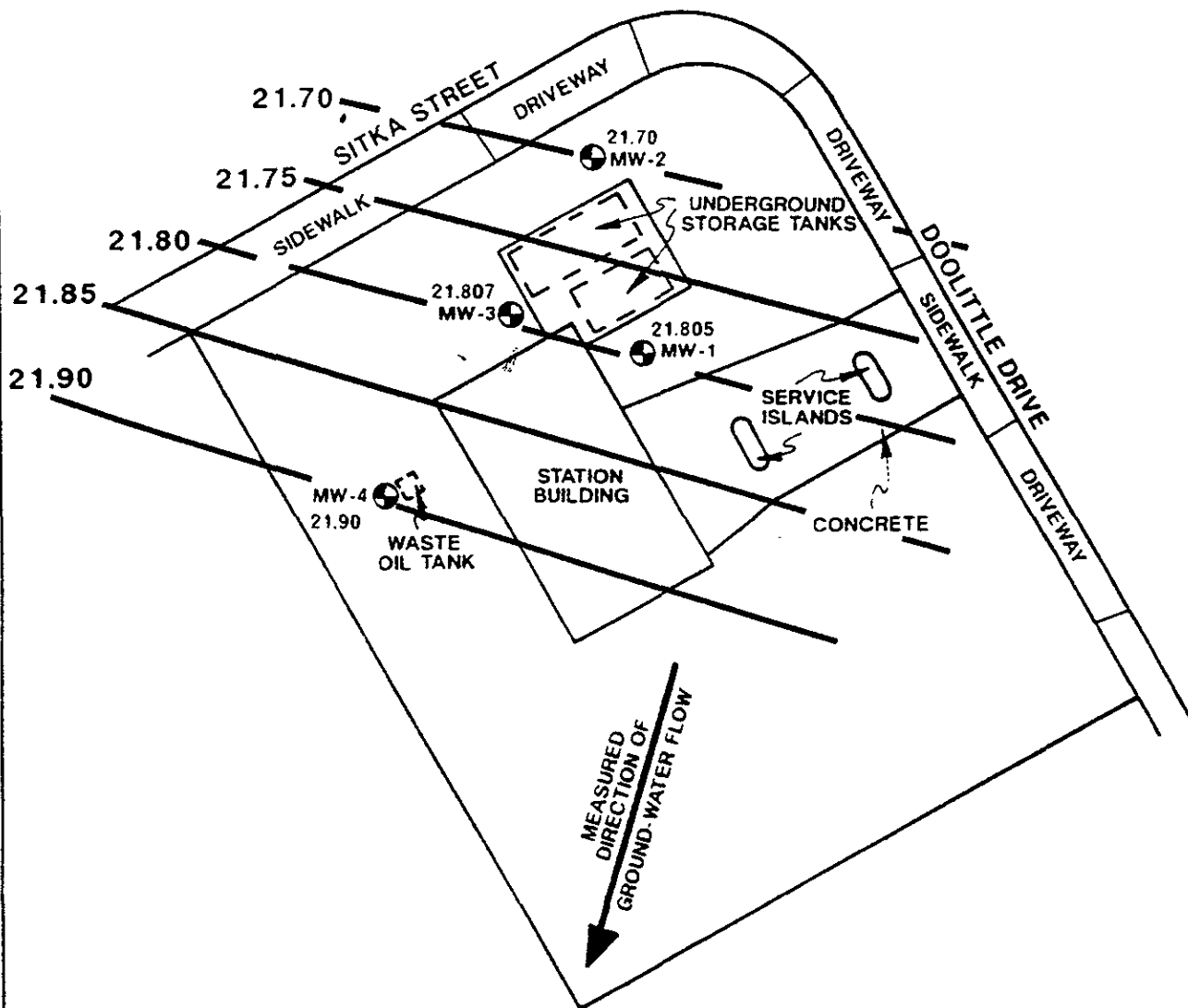
MEASURED
DIRECTION OF
GROUND-WATER FLOW

16.57 — = Line of equal depth to ground water
 MW-4 ⊕ = Monitoring well location
 Source: Modified from plan supplied by UNOCAL



SEPTEMBER 19, 1988

	<p>GROUND-WATER POTENTIOMETRIC SURFACE MAP UNOCAL Station No. 3844 1903 Doolittle Drive San Leandro, California</p>	<p>PLATE P - 3</p>
<p>PROJECT NO. 018052-2</p>		



MEASURED
DIRECTION OF
GROUND-WATER FLOW

21.90
= Line of equal depth to ground water
= Monitoring well location

Source: Modified from plan
supplied by UNOCAL



JUNE 16, 1988



GROUND-WATER POTENTOMETRIC
SURFACE MAP
UNOCAL Station No. 3844
1903 Doolittle Drive
San Leandro, California

PLATE
P - 3

PROJECT NO. 018052-1

Blows/ Ft.	Sample No.	USCS	DESCRIPTION	WELL CONST.
0			Asphalt (3 inches).	
2		SP	Sand, medium-grained, light brown, dry, medium dense.	
4	11		OVM = 2.7ppm.	
6				
8				
10	21		Some fine-grained gravel, slightly damp, OVM = 13.1ppm.	
12				
14	14		Damp, OVM = 372ppm.	
16				
18				
20	7	CL	Clay, dark brown, very moist, medium to high plasticity, stiff, OVM = 2.3ppm.	
22				
24	S-25		No sample recovered.	
26				
28				
30				

(Section continues downward)



43255 Mission Blvd. Suite B Emeryville, CA 94520 415 651-7906

LOG OF BORING B-1/MW-1

UNOCAL Station No. 3844

1903 Doolittle Drive
San Leandro, California

PLATE

P - 5

PROJECT NO. 018052-1

DEPTH IN FEET	Blows/ Ft.	Sample No.	USCS	DESCRIPTION	WELL CONST.
	30	13	S-30	CL	
32					
34	15	S-35		Very stiff, OVM = 2.6ppm.	
36				Total Depth = 35½ feet.	
38					
40					
42					
44					
46					
48					
50					



Applied GeoSystems
 22150 Mission Blvd., Suite B, Torrance, CA 90509 (415-651-1906)

LOG OF BORING B-1/MW-1

UNOCAL Station No. 3844

1903 Doolittle Drive

San Leandro, California

PLATE

P - 6

PROJECT NO

018052-1

Blows/ Ft.	Sample -No.	USCS	DESCRIPTION	WELL CONST.
0			Asphalt (3 inches).	
2		ML	Silty sand, yellow-brown, fine-grained sand, damp, slight plasticity, medium dense.	
4	20		OVM = 6.2ppm.	
6	S-5			
8				
10	15	GP	Sandy gravel, fine-grained, brown, damp, medium dense, OVM = 21.2ppm.	
12				
14	32		Gravel, fine-grained, slightly sandy, gray-brown, very moist, dense, OVM = 2.1ppm.	
16	35		OVM = 19.3ppm.	
18				
20	S-20		Gravelly sand, some silt, brown-gray, wet, very loose.	
22				
24	75		Gravel, some fine-grained sand, gray-brown, wet, very loose, OVM = 7.2ppm.	
26	S-26.5		OVM = 22.2ppm.	
28				
30		CL	Silty clay, minor fine-grained gravel, dark gray-blue, wet, medium to high plasticity, hard.	
			(Section continues downward)	



Applied GeoSystems
2275 Stinson Blvd., Suite B, Fremont, CA 94539-1415 415-851-7906

LOG OF BORING B-2/MW-2

UNOCAL Station No. 3844

1903 Doolittle Drive
San Leandro, California

PLATE

P - 7

PROJECT NO. 018052-1

DEPTH IN FEET	Blows/ Ft.	Sample No.	USCS	DESCRIPTION	WELL CONST.
	30	45	S-30	CL	Silty clay, minor fine-grained gravel, dark gray-blue, wet, medium to high plasticity, hard, OVM = 9.1ppm.
32					
34	40	S-35		OVM = 4.6ppm.	
36				Total Depth = 35½ feet.	
38					
40					



Applied GeoSystems, Suite B, Fremont, CA 94539-4415, 651-9606

LOG OF BORING B-2/MW-2
 UNOCAL Station No. 3844
 1903 Doolittle Drive
 San Leandro, California

PLATE
P - 8

PROJECT NO. 018052-1

Blows/ Ft.	Sample No.	USCS	DESCRIPTION	WELL CONST.
0			Asphalt (3 inches).	
2		SP	Sand, medium-grained, some fine-grained gravel, light brown, damp, loose.	
4	9		OVM = 0ppm.	
6	S-5			
8		GP	Sandy fine-grained gravel, light brown, damp, medium dense.	
10	25		OVM = 0ppm.	
12				
14	19		With some clay, wet, OVM = 0ppm.	
16				
18				
20	32			
22				
24				
26	S-25		OVM = 0ppm.	
28		CH	Clay, gray, wet, high plasticity, medium stiff.	
30	6		OVM = 0ppm.	
	S-29			

(Section continues downward)



Applied GeoSystems
 10000 Wilshire Blvd, Suite B, Los Angeles, CA 90024 415 651-1906

LOG OF BORING B-3/MW-3

UNOCAL Station No. 3844

1903 Doolittle Drive
 San Leandro, California

PLATE

P - 9

PROJECT NO. 018052-1

DEPTH IN FEET	Blows/ Ft.	Sample No.	USCS	DESCRIPTION	WELL CONST.
	30			CH	Clay, gray, wet, high plasticity, medium stiff.
32	12	S-32			
34				Total Depth = 32½ feet. Boring terminated due to aquitard.	
36					



LOG OF BORING B-3/MW-3

UNOCAL Station No. 3844

1903 Doolittle Drive
San Leandro, California

PLATE

P - 10

PROJECT NO. 018052-1

Blows/ Ft.	Sample No.	USCS	DESCRIPTION	WELL CONST.
0			Asphalt (3 inches).	
2		GP	Sandy gravel, medium-grained sand, fine-grained gravel, light brown, damp, medium dense.	
4				
13	S-5			
6				
8				
10	S-10		Some silt.	
12				
14				
40	S-15		Dense.	
16				
18				
20	S-20		Wet, very dense.	
22				
24		CL	Gravelly clay, gray, wet, medium plasticity, hard.	
32	S-25			
26				
28		CL	Silty clay, gray, wet, medium plasticity, very stiff.	
30				

(Section continues downward)



Applied GeoSystems
 11555 Wilshire Blvd., Suite 810, Beverly Hills, CA 90210-4115

LOG OF BORING B-4/MW-4

UNOCAL Station No. 3844

1903 Doolittle Drive
 San Leandro, California

PLATE

P - 11

PROJECT NO. 018052-1

DEPTH IN FEET	Blows/ Ft.	Sample No.	USCS	DESCRIPTION	WELL CONST.
	30	27	S-30	CL	Silty clay, gray, wet, medium plasticity, very stiff.
32					
34	20	S-35			
36	Total Depth = 35½ feet.				
38					
40					



Applied GeoSystems
 2255 Mission Street, Suite B, Fremont, CA 94539-4155-1906

LOG OF BORING B-4/MW-4
 UNOCAL Station No. 3844
 1903 Doolittle Drive
 San Leandro, California

PLATE
P - 12

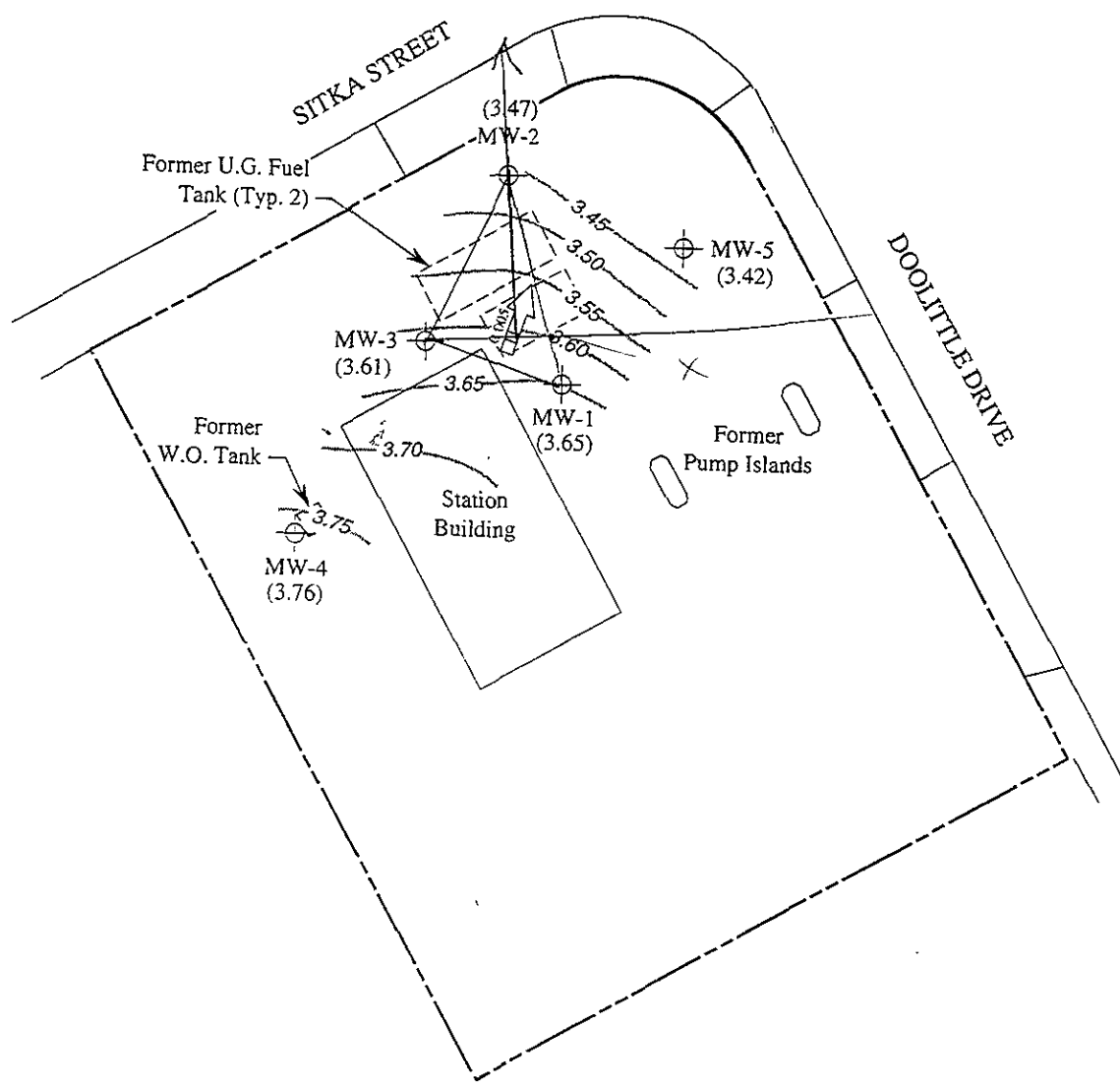
PROJECT NO. 018052-1

Total depth of boring: 33 feet
 Diameter of boring: 8 inches
 Date drilled: - 3-11-93
 Drilling Company: West Hazmat Drilling
 Driller: Randy Wolfe
 Drilling method: Hollow-Stem Auger
 Field Geologist: Brian Worden





Casing diameter: 4 inches
 Casing material: Sch 40 PVC
 Slot size: 0.020-inch
 Sand size: No. 3 Sand
 Blank casing from 0 feet to 8 feet
 Perforated casing from 8 feet to 33 feet
 Annular seal from 0 feet to 5 feet
 Bentonite plug from 5 feet to 6 feet
 Sand pack from 6 feet to 33 feet

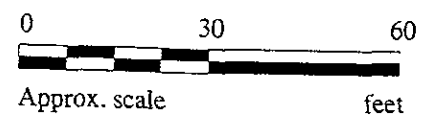
Depth	Sample No.	Blows	OVM	USCS Code	Description	Well Const.
2				SW	Sand, well graded, light brown, medium dense, moist, 10% subrounded to angular gravel 1/2 to 1.5 inches in diameter.	
4	S-4	8 9 7	4			
6				SC/GC	Gravelly sand with clay, medium brown, moist. (20% fines, 40% sand and gravel.)	
8		5 6 6 6 6 9	0.1	CL	Sandy clay with silt, medium brown, stiff, moist.	
10	S-9			SM	Silty sand with gravel, medium brown, moist.	
12	S-11.5		0	ML/CL	Silty clay/clayey silt, 10% fine-grained sand, gray with yellow-brown mottling, stiff, moist.	
14		4 4 5			Wet.	
16		3 4 4 7				
18						
20		3 4 5		CL	Silty clay, medium gray with some black mottling, stiff, wet, low plasticity.	
22						
24		7 17 21 12 18 31			Driller noted lithology change "stiffer material" at ~ 24'. With 10% fine-grained sand, dark brown, medium to high plasticity, wet. Clay is moist but rootholes have free water and red oxidation.	
26					Clay with trace gravel, dark gray to black, dry to slightly moist.	
28					With sand and fine-grained gravel, medium gray. With fine-grained sand, white to very light gray, dry to wet. 5% dry hardened (Calcium Carbonate?) 1/4" nodules of clay.	
30						
32		7 9 15			Silty clay light gray with orange-brown and black mottling, stiff, slightly damp, to very moist. Soil in shoe feels very stiff and appears dry.	
34					Total Depth = 33 feet.	
36						
38						
40						

RESNA	LOG OF BORING FOR MW-5	PLATE D-2
	UNOCAL STATION NO. 3844	
	1903 DOOLITTLE DRIVE	
	SAN LEANDRO, CALIFORNIA	
PROJECT NO. 18052.6B		



LEGEND

-  Monitoring well
-  Ground water elevation in feet above Mean Sea Level
-  Direction of ground water flow with approximate hydraulic gradient
-  Contours of ground water elevation

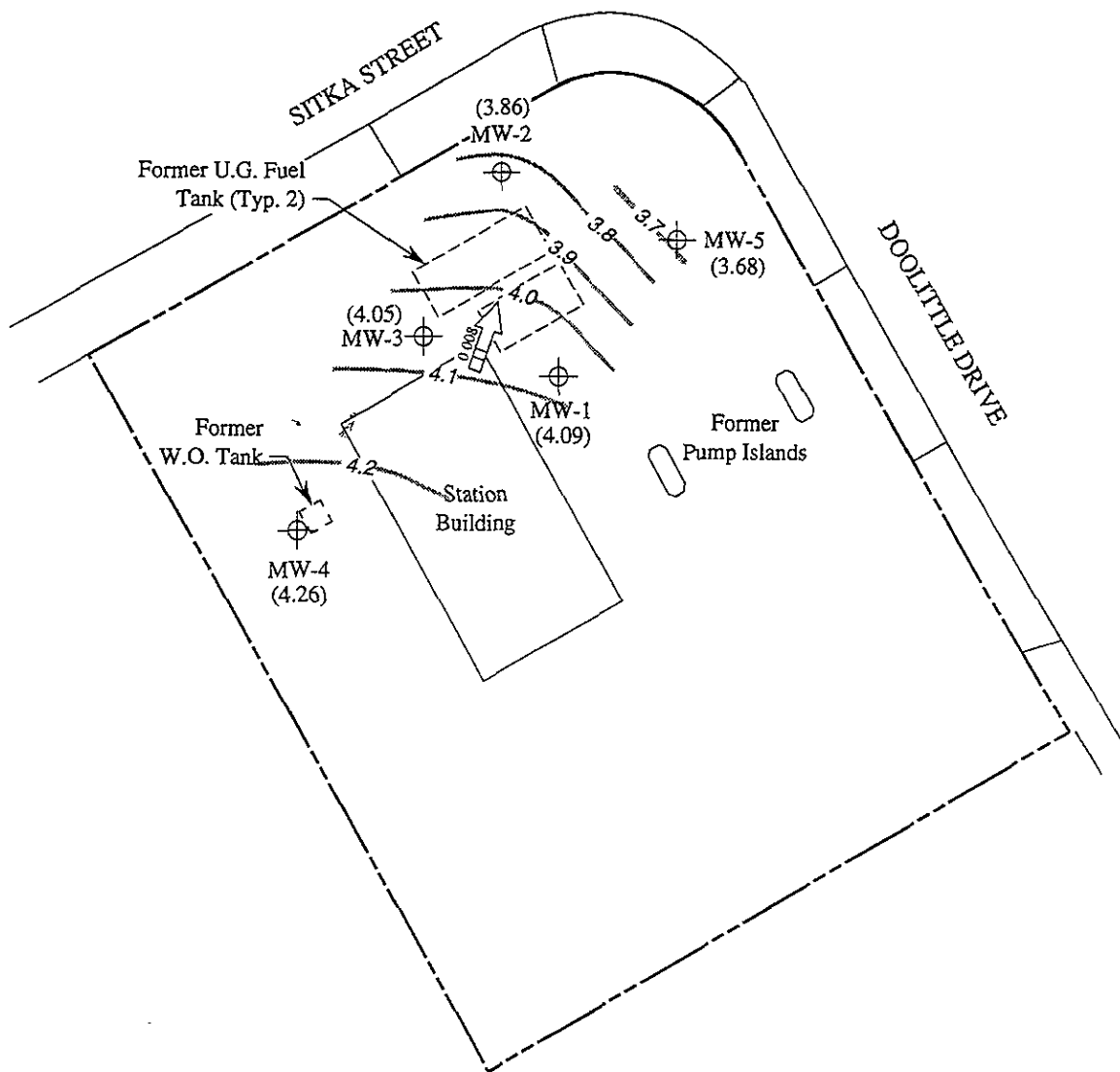


POTENTIOMETRIC SURFACE MAP FOR THE SEPTEMBER 12, 1994 MONITORING EVENT







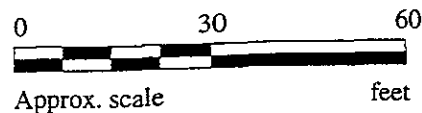
**FORMER UNOCAL S/S #3844
1903 DOOLITTLE DRIVE
SAN LEANDRO, CALIFORNIA**

**FIGURE
1**



LEGEND

-  Monitoring well
-  Ground water elevation in feet above Mean Sea Level
-  Direction of ground water flow with approximate hydraulic gradient
-  Contours of ground water elevation

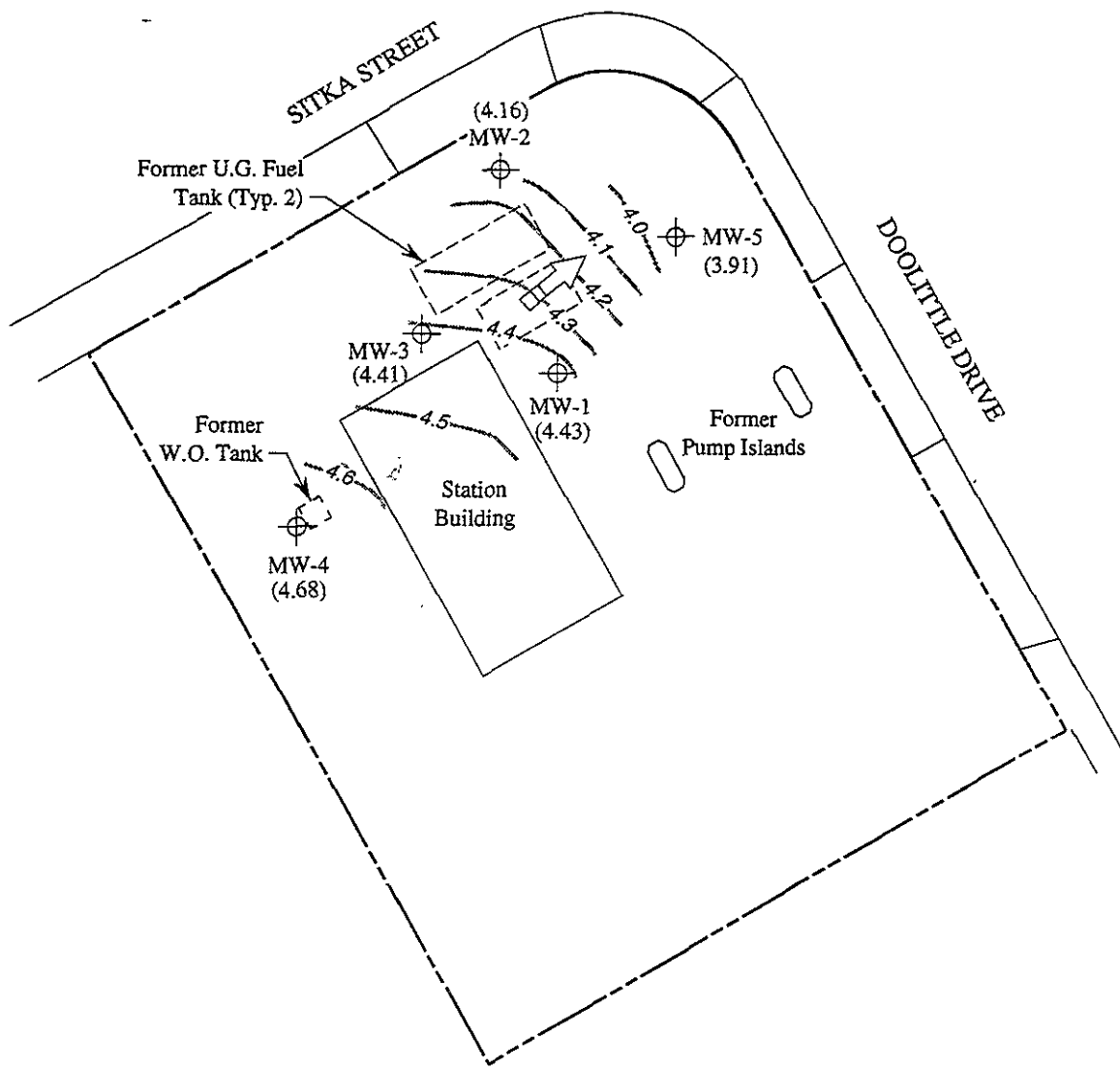


POTENTIOMETRIC SURFACE MAP FOR THE JUNE 14, 1994 MONITORING EVENT



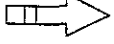



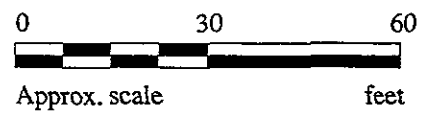
**FORMER UNOCAL S/S #3844
1903 DOOLITTLE DRIVE
SAN LEANDRO, CALIFORNIA**

**FIGURE
1**



LEGEND

-  Monitoring well
-  Ground water elevation in feet above Mean Sea Level
-  Direction of ground water flow
-  Contours of ground water elevation

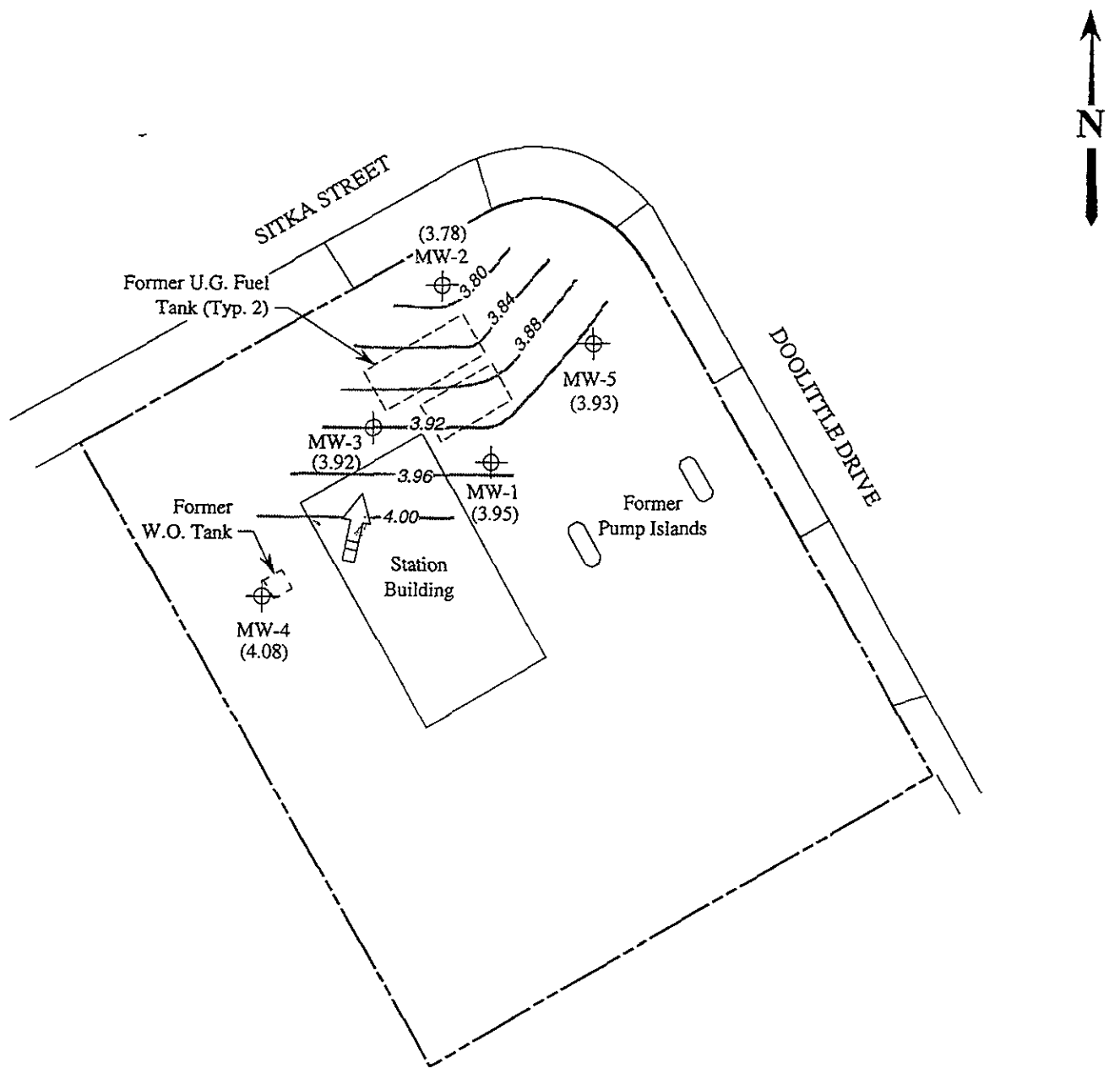


POTENTIOMETRIC SURFACE MAP FOR THE MARCH 17, 1994 MONITORING EVENT

MPDS
SERVICES, INC.

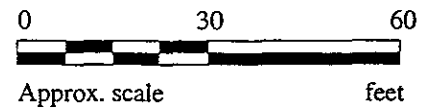
FORMER UNOCAL S/S #3844
1903 DOOLITTLE DRIVE
SAN LEANDRO, CALIFORNIA

FIGURE
1



LEGEND

- ⊕ Monitoring well
- () Ground water elevation in feet above Mean Sea Level
- Direction of ground water flow
- Contours of ground water elevation

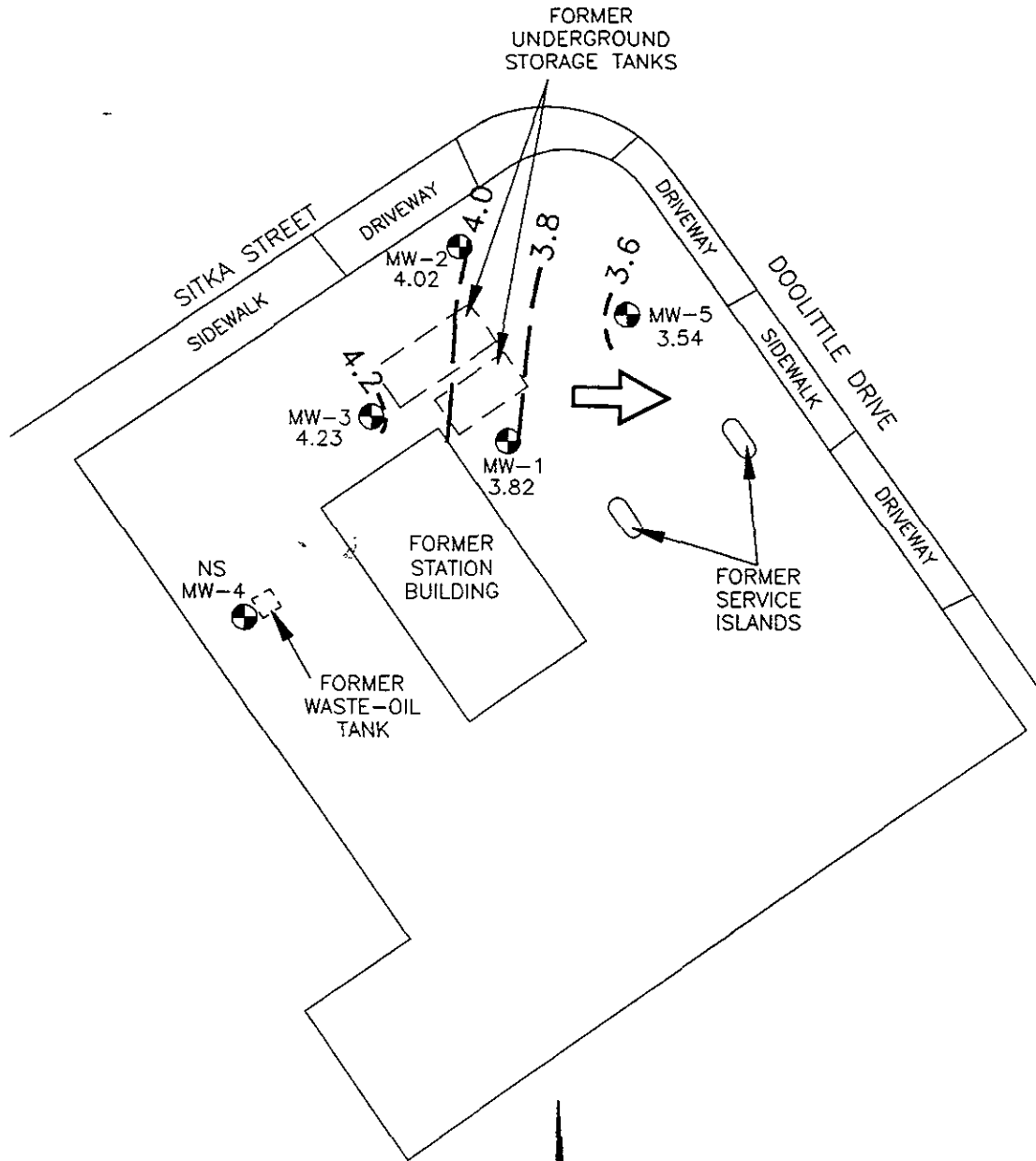


POTENTIOMETRIC SURFACE MAP FOR THE DECEMBER 14, 1993 MONITORING EVENT

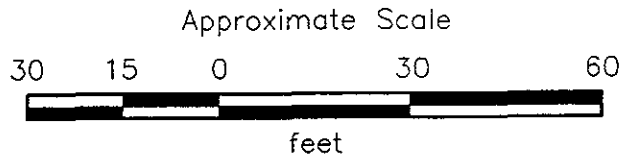
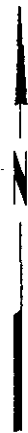
MPDS
SERVICES, INC.

FORMER UNOCAL S/S #3844
1903 DOOLITTLE DRIVE
SAN LEANDRO, CALIFORNIA

FIGURE
1



- 4.2 — = Inferred line of equal groundwater elevation in feet above mean sea level
- 4.23 = Groundwater elevation in feet above mean sea level
- NS = Not sampled
- ➔ = Approximate direction of groundwater flow
- MW-4 ● = Monitoring well



Source: Modified from plan supplied by Unocal

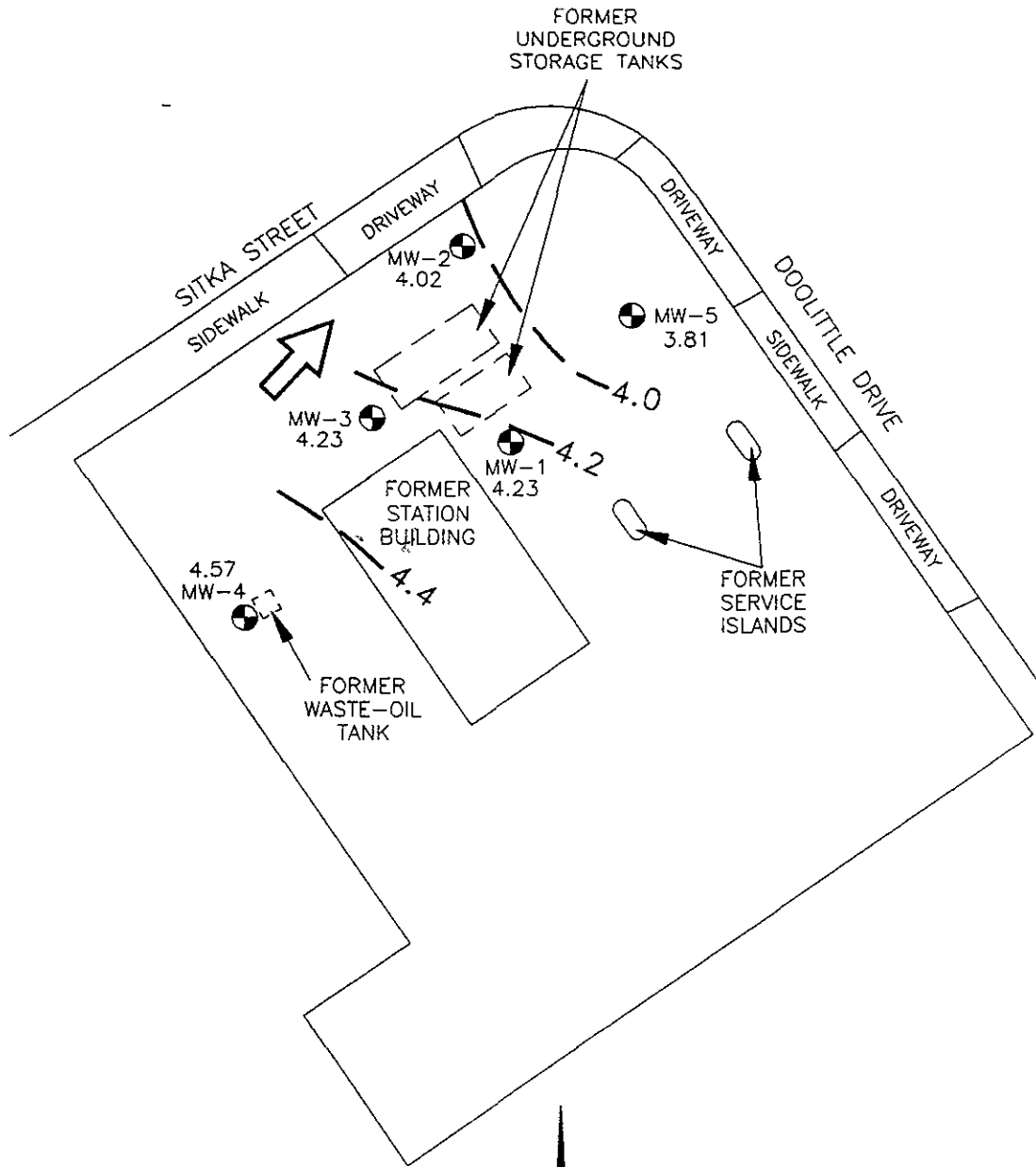
NOTE: Contours are based on interpretation of available data, and are not intended to imply certainty.





**GENERALIZED SITE PLAN AND
POTENTIOMETRIC SURFACE MAP (9/1/93)**
Former Unocal Station 3844
1903 Doolittle Drive
San Leandro, California

PLATE
2

PROJECT 18052.6A



- 4.4 — = Inferred line of equal groundwater elevation in feet above mean sea level
- 4.57 = Groundwater elevation in feet above mean sea level
-  = Approximate direction of groundwater flow
- MW-4  = Monitoring well

Approximate Scale

30 15 0 30 60

feet

Source: Modified from plan supplied by Unocal

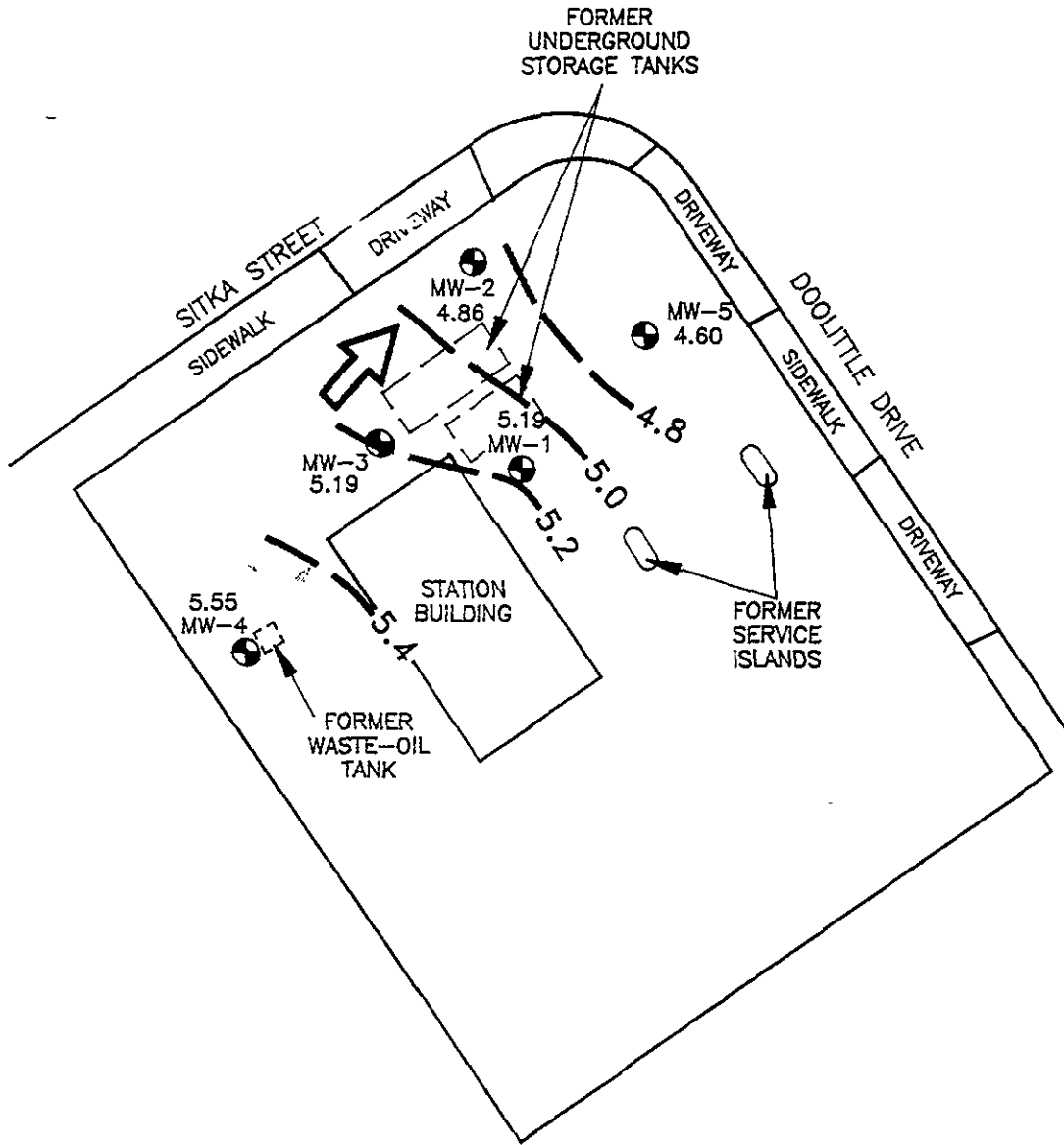
NOTE: Contours are based on interpretation of available data, and are not intended to imply certainty.

RESNA
Working to Restore Nature

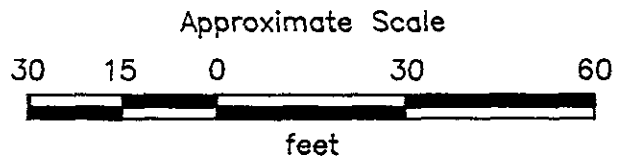
**GENERALIZED SITE PLAN AND
POTENTIOMETRIC SURFACE MAP (6/24/93)
Former Unocal Station 3844
1903 Doolittle Drive
San Leandro, California**

**PLATE
2**

PROJECT 18052.6A



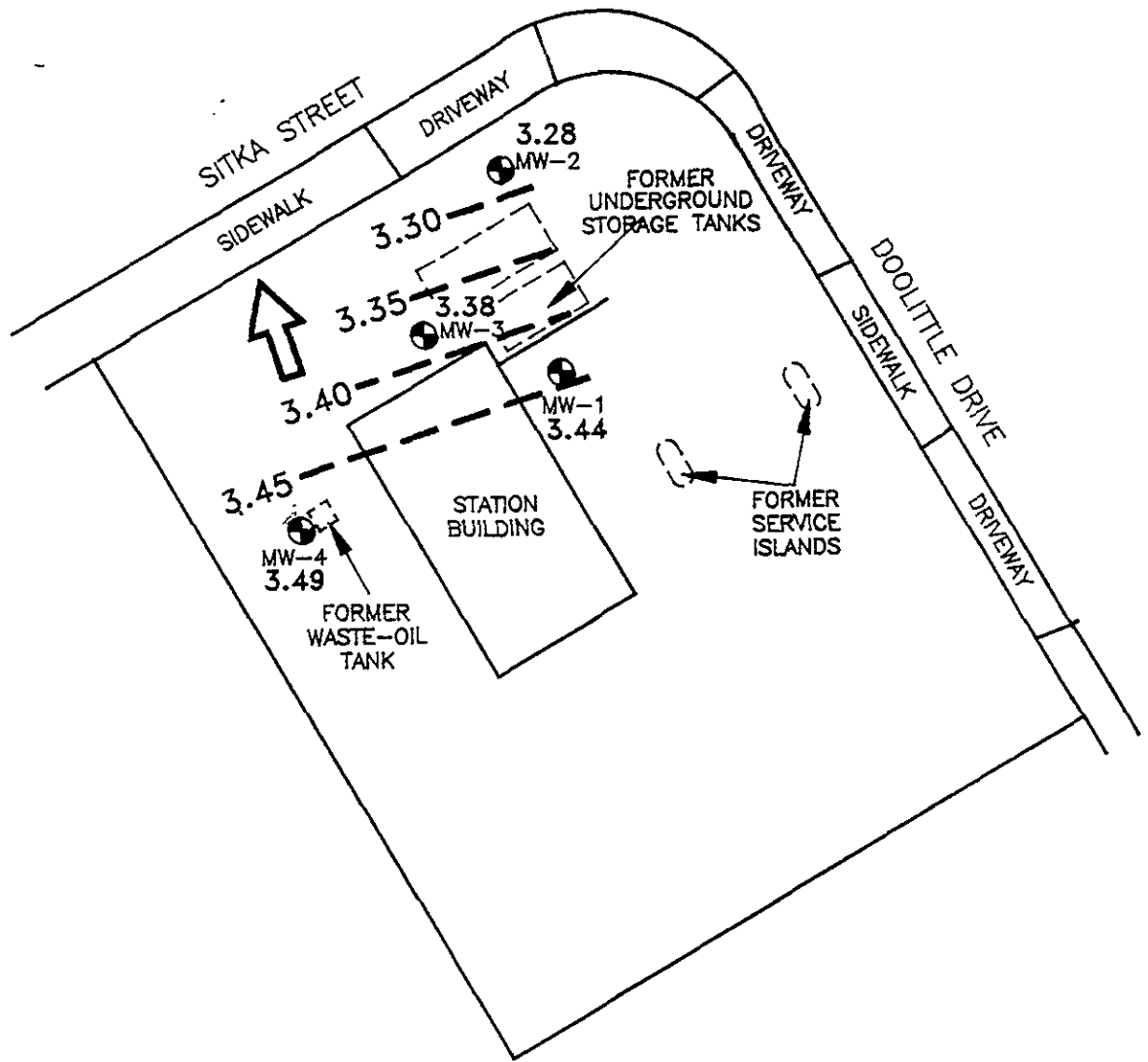
- 5.4 - - - = Line of equal elevation of ground water in feet
- 5.55 = Elevation of ground water in feet above mean sea level
- = Approximate direction of groundwater flow
- MW-4 ⊕ = Monitoring well





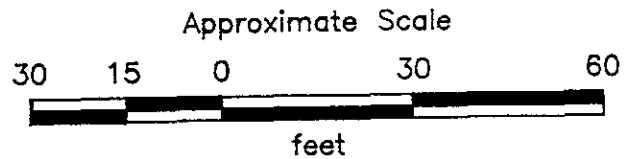
Source: Modified from plan supplied by Unocal

NOTE: Contours are based on interpretation of available data, and are not intended to imply certainty.

	GENERALIZED SITE PLAN AND POTENTIOMETRIC SURFACE MAP (3/26/93)	PLATE 2
	UNOCAL STATION NO. 3844	
	1903 DOOLITTLE DRIVE	
	SAN LEANDRO, CALIFORNIA	
PROJECT NO. 18052.6A		



- 3.45 --- = Line of equal elevation of ground water in feet
- 3.49 = Elevation of ground water in feet above mean sea level
-  = Approximate direction of groundwater flow
- MW-4  = Monitoring well



Source: Modified from plan supplied by Unocal

NOTE: Contours are based on interpretation of available data, and are not intended to imply certainty.

RESNA	GENERALIZED SITE PLAN AND POTENTIOMETRIC SURFACE MAP (9/25/92)	PLATE 2
	UNOCAL STATION NO. 3844	
1903 DOOLITTLE DRIVE		
SAN LEANDRO, CALIFORNIA		
PROJECT NO. 18052-5A		