REQUIRED INFORMATION FORM

INSTRUCTIONS: This form is to be filled out completely and must be the first page of any document, including all reports, submitted to the Los Angeles Fire Department (LAFD) Underground Storage Tank Unit (UST). To ensure accuracy this form must be completed on the computer or typed out. **Hand printing or writing will not be accepted.** The correct LAFD **Facility I.D. No.** and **Division 5 Permit No.** must be included for the submittal to be processed.

**** (SOME INFORMATION MAY ALREADY BE PRE-ENTERED FOR YOUR CONVENIENCE)**

PLEASE NOTE THAT AN ACCOMPANYING INTRODUCTORY LETTER ON YOUR COMPANY LETTERHEAD CANNOT BE SUBSTITUTED FOR THIS FORM.

Today's Date: 03/22/05

Mail to: City of Los Angeles Fire Department
Environmental Unit – Underground Storage Tanks
Attn: **Valerie Toney**
200 North Main Street, Rm. 1700
Los Angeles, CA., 90012

Report Title
(Please select the applicable title from the drop down menu)

Request to Reconsider Closure

LAFD Facility I.D. No. 17136

LAFD Division 5 Permit No. 10518
LAFD Site Assessment Permit No. 11350

Site/Facility Name: Arco Station No. 5201

Site Address: 15711 Victory Boulevard

City/State/Zip: Van Nuys, CA

Site Facility Description: Gasoline Station

Tank Owner/Tank Operator/Responsible Party Contact Information

Contact Name and Title:
Mr. Raymond Vose, Environmental Business Manager
Contact Phone No.
(818) 975-1755
Company Name:
Atlantic Richfield Company
Company Address:
P.O. Box 8385
City/State/Zip:
La Crescenta, California 91224-9977

Consultant Information

Contact Name and Title:
Mr. Gareth Roberts

Contact Phone No.
(805) 230-1266 ext. 240
Company Name:
SECOR International Incorporated
Company Address:
290 Conejo Ridge Ave, Suite 200
City/State/Zip:
Thousand Oaks, California 91361

SECOR

SECOR
INTERNATIONAL
INCORPORATED

www.secor.com

290 Conejo Ridge Ave., Suite 200
Thousand Oaks, CA 91361
805-230-1266 TEL
805-230-1277 FAX

March 22, 2005

Ms. Valerie Toney
Los Angeles Fire Department
200 North Main Street
Los Angeles, CA. 90012

RE: REQUEST TO RECONSIDER CLOSURE
ARCO Station No. 5201
15711 Victory Boulevard
Van Nuys, California
LAFD Facility ID No. 17136

Dear Ms. Toney:

SECOR International Incorporated (SECOR), on behalf of the Atlantic Richfield Company (Atlantic Richfield), is submitting the letter requesting that the Los Angeles City Fire Department reconsider issuing case closure for ARCO Station No. 5201 (Site), located at 15711 Victory Boulevard in Van Nuys, California (Figures 1 and 2).

Between June 28 and July 8, 2004, SECOR advanced a total of seven soil borings (SB-1 through SB-7) to define the vertical and lateral extent of adsorbed-phase petroleum hydrocarbons identified during upgrade of the product lines and dispensers in December 2000. The site assessment results and a request for closure were included in SECOR's *Site Assessment Report and Request for Closure* dated December 10, 2004. In a letter dated January 12, 2005 the Los Angeles City Fire Department (LAFD) stated they had reviewed the Site Assessment Report and requested that a Remedial Action Plan (RAP) be submitted (Appendix B). Historical soil analytical data is included in Appendix B.

CLOSURE JUSTIFICATION

SECOR would like to request that the LAFD reconsider issuing case closure based on the following criteria:

- The site is considered a "low risk" soil only case. Groundwater has not been encountered during drilling at the Site to a total depth of 142 feet bgs (maximum depth explored).
- There are no public drinking water supply wells identified within a one-mile radius of the Site.
- The highest concentrations of adsorbed-phase hydrocarbons are primarily limited to the northwestern perimeter of the Site, are vertically defined, and appear to be related to an older release associated with USTs removed in 1992. The locations of petroleum hydrocarbon-impacted soil identified during the subsurface investigation in 2004 are similar to those identified during previous investigations conducted in 1992 and 1993. As indicated by newly installed soil boring SB-1, and historical borings VE-2 and VE-6, the bulk of the hydrocarbon plume extends from approximately 15 to 45 feet bgs in the location of the former USTs.
- Analytical data collected during the recent Site assessment activities indicates that the hydrocarbon plume is stable, and that natural attenuation is occurring. Soil samples analyzed from recent soil boring SB-1 indicated significantly lower concentrations of benzene compared to soil samples analyzed from similar depth intervals in historical soil borings VE-2 and VE-6 (April

and December 1993). A maximum benzene concentration of 210 mg/kg was identified in VE-2 at 15 feet bgs in April 1993. A maximum benzene concentration of 20 mg/kg was identified in SB-1 at 20 feet bgs in June 2004.

- The source of the release has been removed. The original USTs were removed and replaced in July 1992. In October 2002, the product lines were upgraded with new double contained fiberglass piping, and under-dispenser containment sumps were installed below the new dispensers.

- Soil beneath the site consists predominantly of lower permeability silts and clays, which inhibitive the vertical migration of petroleum hydrocarbons.

Based on the above-mentioned criteria, SECOR on behalf of Atlantic Richfield, requests that the LAFD reconsider issuing closure and that no further action be granted for ARCO Station No. 5201.

If you have any questions regarding this Site or letter, please do not hesitate to contact the undersigned at (805) 230-1266, ext. 240.

Sincerely,

SECOR International Incorporated

Gareth Roberts, R.G. No. 7442
Senior Geologist

REGISTERED GEOLOGIST
GARETH P. ROBERTS
No. 7442
STATE OF CALIFORNIA

Appendices: Figure 1 – Site Location Map Showing Wells Identified Within A One-Mile Radius
Figure 2 – Site Map Showing Soil Boring Locations
Figure 3 – Site Map Showing Former Dispenser and Piping Sample Locations (October 2002)
Figure 4 – Site Map Showing Cross Section Lines A-A' and B-B'
Figure 5 – Site Map Showing Cross Section A-A'
Figure 6 – Site Map Showing Cross Section B-B'
Figure 7 – Site Map Showing Hydrocarbon Concentrations in Soil
Appendix A – LAFD Correspondence
Appendix B – Historical Analytical Data Tables

cc: Mr. Ray Vose – Atlantic Richfield

REFERENCES

Delta Environmental Consultants, Inc. 1992, Preliminary Tank Replacement Assessment, ARCO Station No. 5201, 15711 Victory Boulevard, Van Nuys, California, June 16, 1992.

Delta Environmental Consultants, Inc. 1992, Tank Excavation Assessment Report, ARCO Station No. 5201, 15711 Victory Boulevard, Van Nuys, California, November 4, 1992.

Delta Environmental Consultants, Inc. 1993, Additional Site Assessment Report, ARCO Station No. 5201, 15711 Victory Boulevard, Van Nuys, California, August 30, 1993.

Delta Environmental Consultants, Inc. 1994, Additional Vadose Well Installation Report, ARCO Station No. 5201, 15711 Victory Boulevard, Van Nuys, California, January 21, 1994.

Delta Environmental Consultants, Inc. 1994, Remedial Action Plan, ARCO Station No. 5201, 15711 Victory Boulevard, Van Nuys, California, January 10, 1994.

Delta Environmental Consultants, Inc. 1994, Soil Vapor Extraction Test, ARCO Station No. 5201, 15711 Victory Boulevard, Van Nuys, California, May 18, 1994.

Delta Environmental Consultants, Inc. 1996, Compliance Soil Sampling Results, ARCO Station No. 5201, 15711 Victory Boulevard, Van Nuys, California, October 9, 1996.

Delta Environmental Consultants, Inc. 1997, Request for Site Closure Letter, ARCO Station No. 5201, 15711 Victory Boulevard, Van Nuys, California, January 30, 1997.

Los Angeles Department of Public Works (LADPW), 2000 and 2003 Hydrologic Records, Prepared by the Hydraulic Records Unit February 2004.

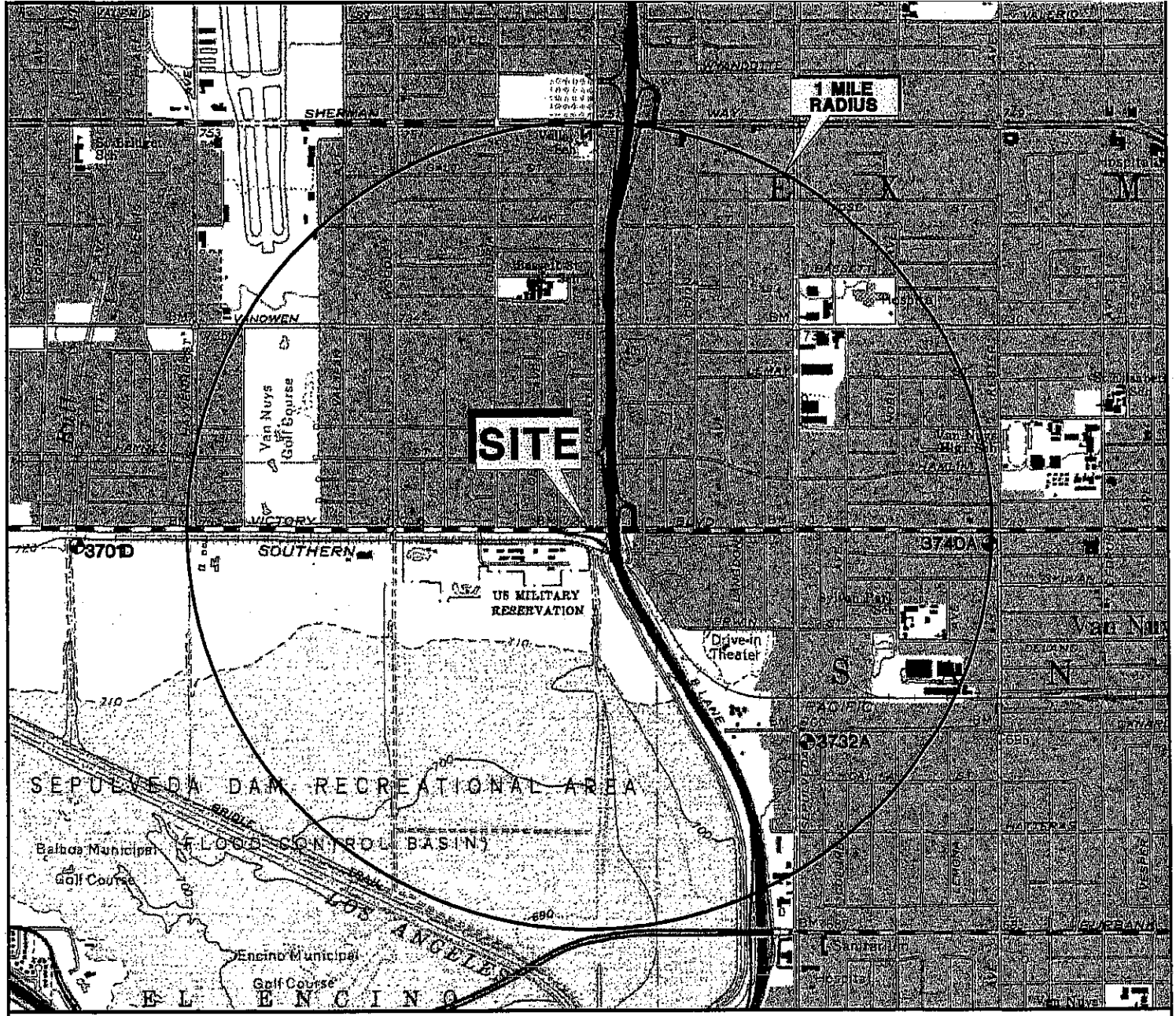
SECOR International Incorporated, 2003. Dispenser and Product Line Replacement Report, ARCO Service Station No. 5201, 15711 Victory Boulevard, Van Nuys, California. January 24.

SECOR International Incorporated, 2004. Site Assessment Report and Request for Closure, ARCO Service Station No. 5201, 15711 Victory Boulevard, Van Nuys, California. December 10.

United States Geological Survey (USGS), 1966, Van Nuys Quadrangle, 7.5 minute topographic, photorevised 1972.

Upper Los Angeles River Area Watermaster, May 2003. Watermaster Service in the Upper Los Angeles River Area, Los Angeles County, 2001-2002 Water Year, October 1, 2001 - September 30, 2002.

FIGURES



SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP, VAN NUYS QUADRANGLE, 1966
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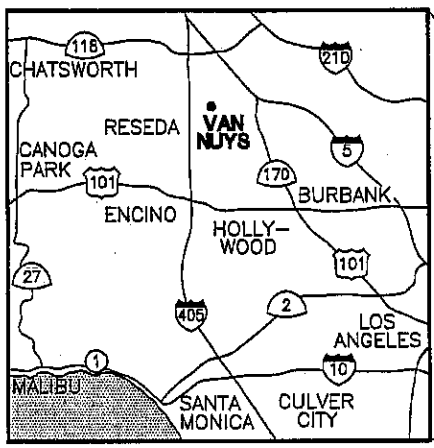

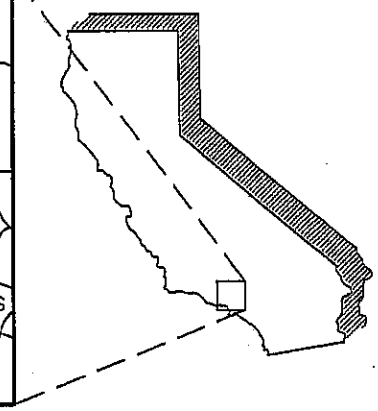

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APPROXIMATE SCALE (FEET)

SECOR 290 Conejo Ridge Avenue, Suite 200 Thousand Oaks, CA 91361 (805) 230-1266/230-1277 (Fax)	FOR: ATLANTIC RICHFIELD COMPANY STATION NO. 5201 15711 Victory Boulevard Van Nuys, California		SITE LOCATION MAP SHOWING WELLS INDENTIFIED WITH A ONE-MILE RADIUS		FIGURE: 1
	JOB NUMBER: 37BP.U5201.03.1082	DRAWN BY: R. Roman	CHECKED BY: G. Roberts	APPROVED BY: G. Roberts	DATE: 11/30/04

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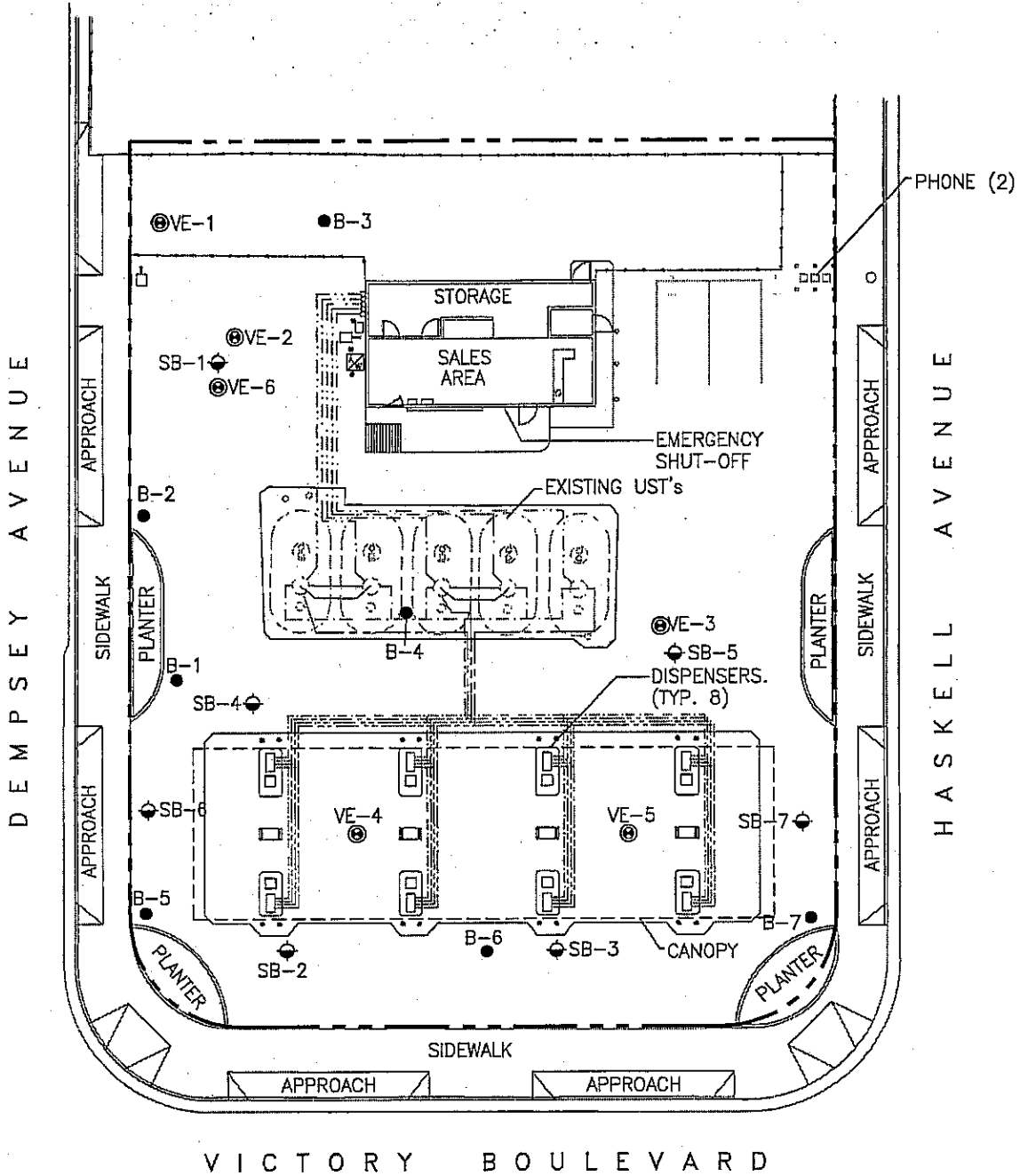


LEGEND

— — — —	SITE PROPERTY LINE
— - — - —	EXISTING PRODUCT PIPING
- · - · -	EXISTING VAPOR RECOVERY PIPING
- · - · -	EXISTING VENT PIPING
VE-4 ◎	SOIL VAPOR EXTRACTION WELL
SB-1 ⬙	SOIL BORING (SECOR 2004)
B-3 ●	HISTORICAL SOIL BORING

NOTES:

1. MAP REFERENCE: F.F. & ASSOCIATES, DATED OCTOBER 1, 2002.
2. NOT A SURVEYED MAP, SITE FEATURES AND LOCATIONS ARE APPROXIMATE.

0 30 60

APPROXIMATE SCALE (FEET)

SECOR
290 Conejo Ridge Avenue, Suite 200
Thousand Oaks, CA 91361
(805) 230-1266/230-1277 (Fax)

PREPARED FOR:
ATLANTIC RICHFIELD COMPANY
STATION NO. 5201
15711 Victory Boulevard
Van Nuys, California

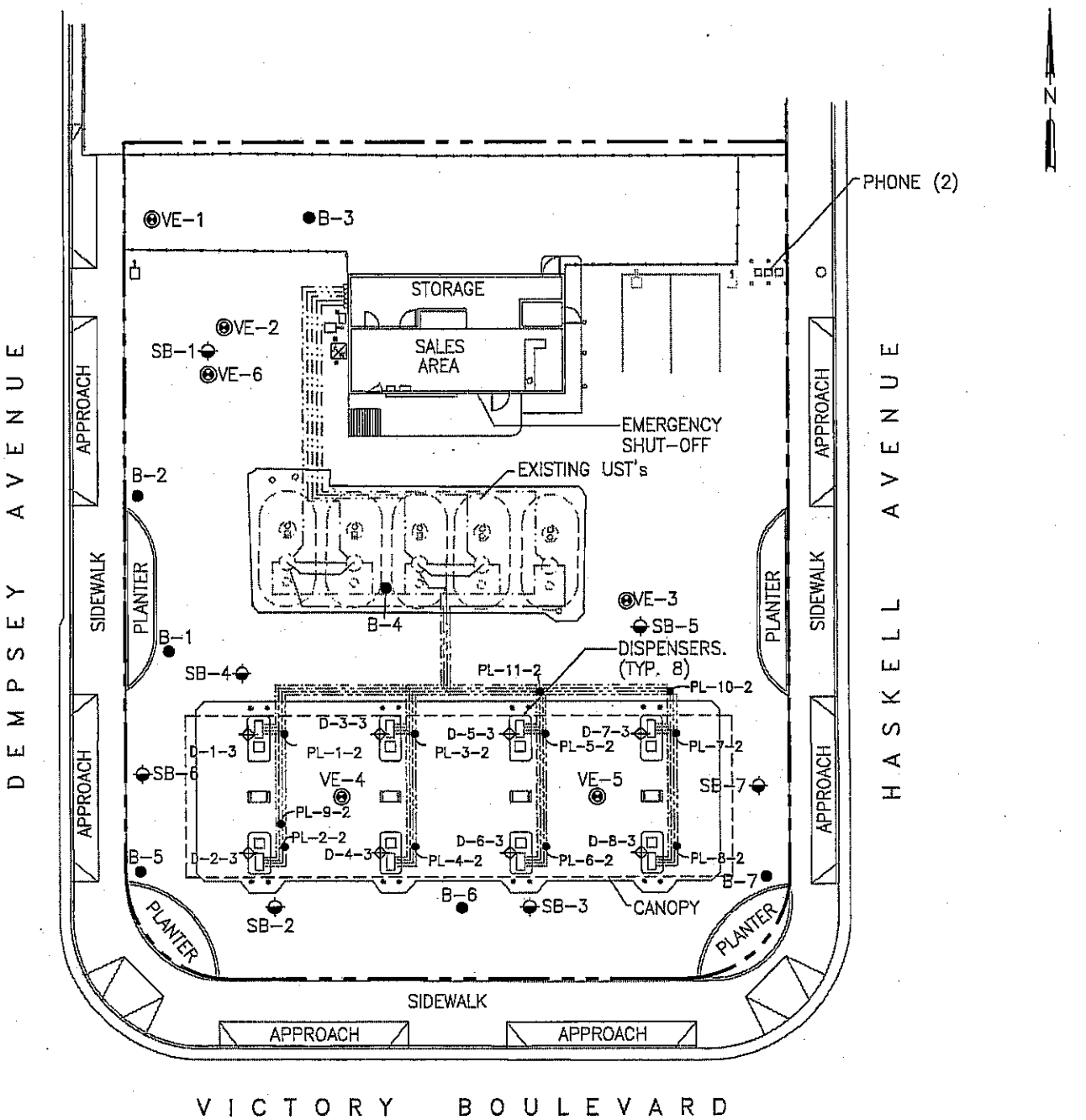
SITE MAP SHOWING SOIL BORING LOCATIONS

FIGURE: 2

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
37BP.05201.03.1078	R. Roman	J. Dasinger	G. Roberts	08/12/04

M:\ARCO\5201\Report_8-04

5201-HYD.DWG / SMSBL_FIG2 (LAYOUT)



LEGEND

— — — —	SITE PROPERTY LINE
	EXISTING PRODUCT PIPING
	EXISTING VAPOR RECOVERY PIPING
	EXISTING VENT PIPING
VE-4	SOIL VAPOR EXTRACTION WELL
SB-1	SOIL BORING (SECOR 2004)
B-3	HISTORICAL SOIL BORING
D-4-3	DISPENSER SAMPLE
PL-4	PRODUCT PIPING SAMPLE

NOTES:

1. MAP REFERENCE: F.F. & ASSOCIATES, DATED OCTOBER 1, 2002.
2. NOT A SURVEYED MAP, SITE FEATURES AND LOCATIONS ARE APPROXIMATE.

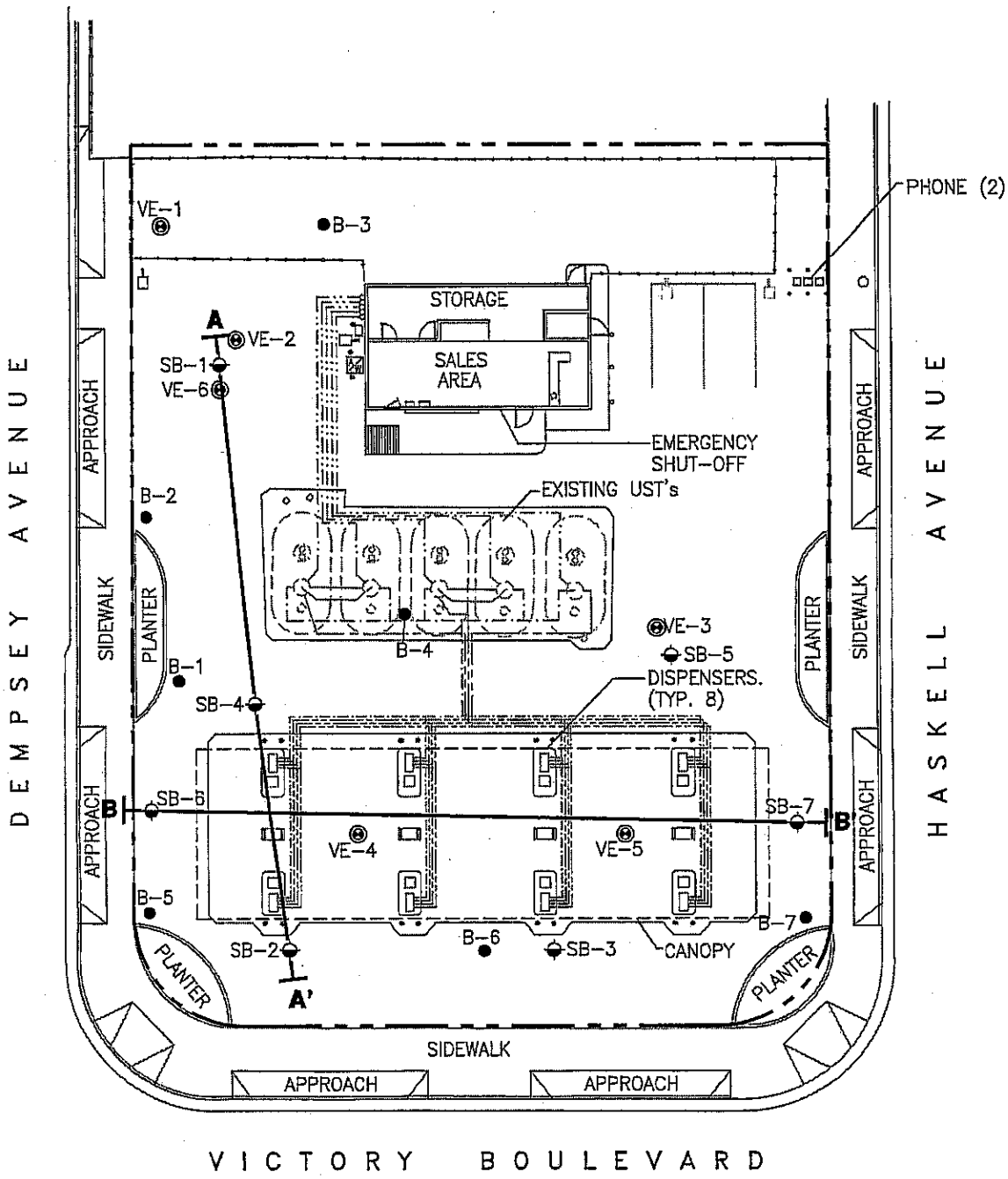
0 30 60

APPROXIMATE SCALE (FEET)

SECOR 290 Conejo Ridge Avenue, Suite 200 Thousand Oaks, CA 91361 (805) 230-1266/230-1277 (Fax)	PREPARED FOR: ATLANTIC RICHFIELD COMPANY STATION NO. 5201 15711 Victory Boulevard Van Nuys, California		**SITE MAP SHOWING FORMER DISPENSER AND PIPING SAMPLE LOCATIONS [DECEMBER, 2000]**		FIGURE: **3**
	JOB NUMBER: 37BP.05201.03.1078	DRAWN BY: R. Roman	CHECKED BY: J. Dasinger	APPROVED BY: G. Roberts	DATE: 08/12/04

M:\ARCO\5201\Report_8-04

5201-HYD.DWG / FASM_FIG3 (LAYOUT)



LEGEND

— — — —	SITE PROPERTY LINE
A———A'	CROSS-SECTION INDEX
— — — — —	EXISTING PRODUCT PIPING
-·-·-·-·-	EXISTING VAPOR RECOVERY PIPING
-·-·-·-·-	EXISTING VENT PIPING
VE-4 ◉	SOIL VAPOR EXTRACTION WELL
SB-1 ⊕	SOIL BORING (SECOR 2004)
B-3 ●	HISTORICAL SOIL BORING

NOTES:

1. MAP REFERENCE: F.F. & ASSOCIATES, DATED OCTOBER 1, 2002.
2. NOT A SURVEYED MAP, SITE FEATURES AND LOCATIONS ARE APPROXIMATE.

0 30 60

APPROXIMATE SCALE (FEET)

SECOR 290 Conejo Ridge Avenue, Suite 200 Thousand Oaks, CA 91361 (805) 230-1266/230-1277 (Fax)	FOR: ATLANTIC RICHFIELD COMPANY STATION NO. 5201 15711 Victory Boulevard Van Nuys, California		**SITE MAP SHOWING CROSS-SECTION INDEX**		FIGURE: **4**
	JOB NUMBER: 37BP.U5201.03.1082	DRAWN BY: R. Roman	CHECKED BY: G. Roberts	APPROVED BY: G. Roberts	DATE: 11/30/04

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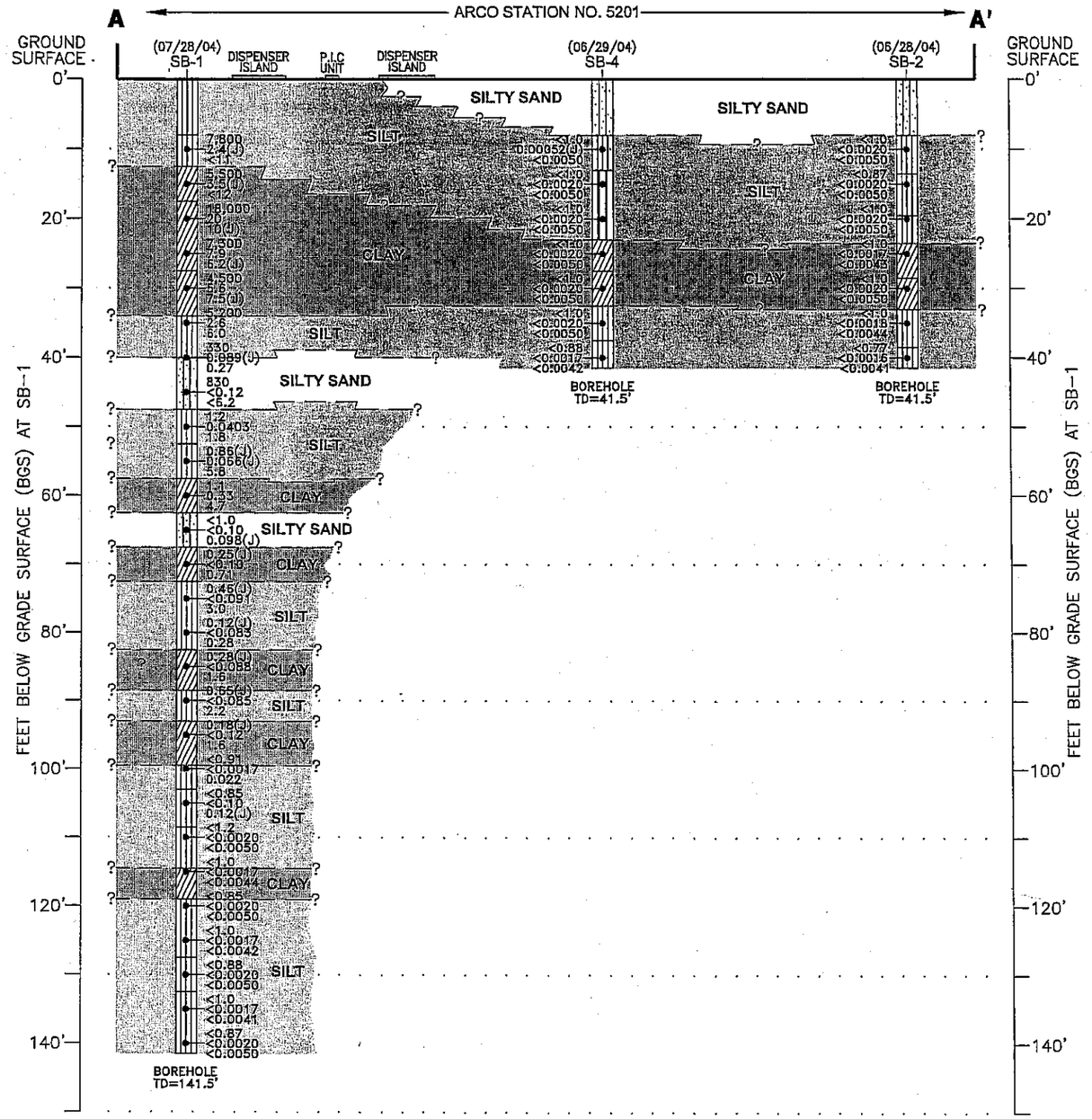


LEGEND

	(SW)	WELL GRADED SAND WELL GRADED SAND WITH GRAVEL
	(SW–SM)	WELL GRADED SAND WITH SILT
	(SP)	POORLY GRADED SAND
	(SP–SM)	POORLY GRADED SAND WITH SILT
	(SP–SC)	POORLY GRADED SAND WITH CLAY
	(SM)	SILTY SAND, SILTY SAND WITH GRAVEL
	(ML)	SILT, SANDY SILT, SILT WITH SAND
	(CL)	LEAN CLAY, SILTY CLAY, CLAY WITH SAND, SANDY CLAY
	(SC)	CLAYEY SAND
	(CH)	FAT CLAY WITH SAND
	(MH)	ELASTIC SILT
	Asphalt	ASPHALT
		COLOR OR OTHER CHANGE TO SAME LITHOLOGIC UNIT
	GRO BENZ MTBE	SOIL SAMPLE LOCATIONS WITH GASOLINE RANGE ORGANICS (C4–C12) [GRO], BENZENE [BENZ] AND METHYL–TERTIARY–BUTYL ETHER [MTBE] CONCENTRATIONS REPORTED IN MILLIGRAMS PER KILOGRAM (mg/Kg)
	(J)	ESTIMATED VALUE; BELOW LABORATORY REPORTING LIMIT AND ABOVE THE METHOD DECTION LIMIT (MDL)
		APPROXIMATE LITHOLOGIC CONTACT, QUERIED (?) WHERE INFERRED

NOTES:

1. GROUND SURFACE NOT ADJUSTED TO DEPICT ELEVATIONS AND RELATIVE TOPOGRAPHY.
2. HORIZONTAL EXAGGERATION OF WELLS DONE FOR CLARITY. FIGURE DOES NOT REFLECT ACTUAL BOREHOLE DIAMETERS.

HORIZONTAL SCALE IN FEET: 0 20 40

VERTICAL SCALE IN FEET: 0 20 40

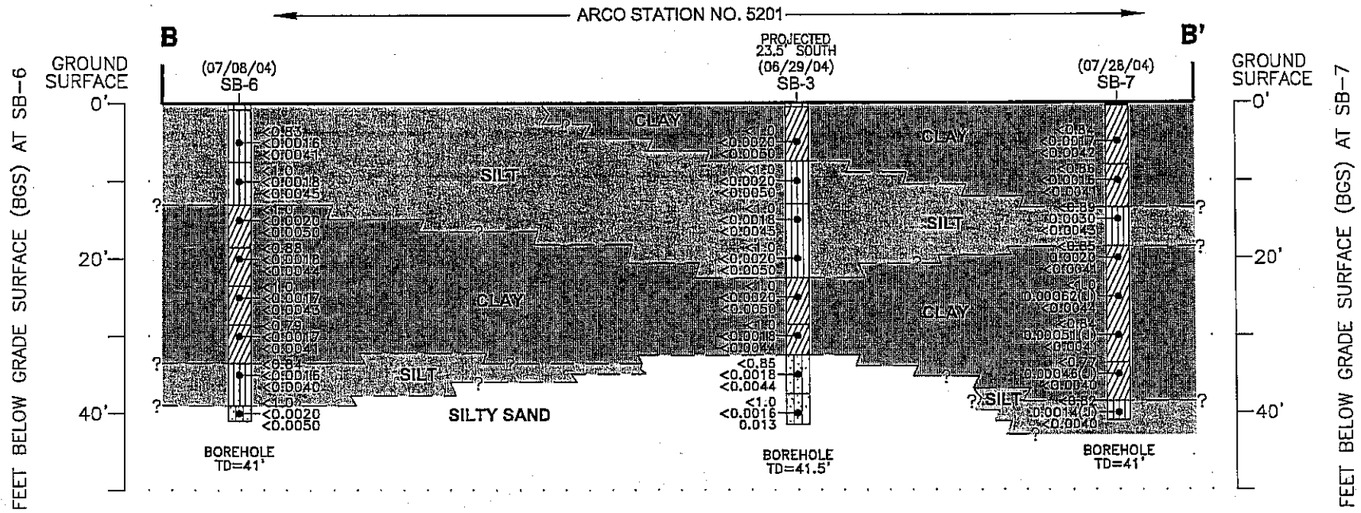
SECOR
290 Conejo Ridge Avenue, Suite 200
Thousand Oaks, CA 91361
(805) 230-1266/230-1277 (Fax)

FOR:
ATLANTIC RICHFIELD COMPANY
STATION NO. 5201
15711 Victory Boulevard
Van Nuys, California

CROSS-SECTION A-A'

FIGURE: **5**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
37BP.U5201.03.1082	R. Roman	G. Roberts	G. Roberts	12/08/04



LEGEND

	(SW)	WELL GRADED SAND WELL GRADED SAND WITH GRAVEL
	(SW–SM)	WELL GRADED SAND WITH SILT
	(SP)	POORLY GRADED SAND
	(SP–SM)	POORLY GRADED SAND WITH SILT
	(SP–SC)	POORLY GRADED SAND WITH CLAY
	(SM)	SILTY SAND, SILTY SAND WITH GRAVEL
	(ML)	SILT, SANDY SILT, SILT WITH SAND
	(CL)	LEAN CLAY, SILTY CLAY, CLAY WITH SAND, SANDY CLAY
	(SC)	CLAYEY SAND
	(CH)	FAT CLAY WITH SAND
	(MH)	ELASTIC SILT
	Asphalt	ASPHALT

COLOR OR OTHER CHANGE TO SAME LITHOLOGIC UNIT

GRO BENZ MTBE — SOIL SAMPLE LOCATIONS WITH GASOLINE RANGE ORGANICS (C4–C12) [GRO], BENZENE [BENZ] AND METHYL–TERTIARY–BUTYL ETHER [MTBE] CONCENTRATIONS REPORTED IN MILLIGRAMS PER KILOGRAM (mg/Kg)

(J) — ESTIMATED VALUE; BELOW LABORATORY REPORTING LIMIT AND ABOVE THE METHOD DECTION LIMIT (MDL)

— ? — APPROXIMATE LITHOLOGIC CONTACT, QUERIED (?) WHERE INFERRED

NOTES:

1. GROUND SURFACE NOT ADJUSTED TO DEPICT ELEVATIONS AND RELATIVE TOPOGRAPHY.
2. HORIZONTAL EXAGGERATION OF WELLS DONE FOR CLARITY. FIGURE DOES NOT REFLECT ACTUAL BOREHOLE DIAMETERS.

HORIZONTAL SCALE IN FEET: 0 20 40

VERTICAL SCALE IN FEET: 0 20 40

SECOR
290 Conejo Ridge Avenue, Suite 200
Thousand Oaks, CA 91361
(805) 230-1266/230-1277 (Fax)

FOR:
ATLANTIC RICHFIELD COMPANY
STATION NO. 5201
15711 Victory Boulevard
Van Nuys, California

CROSS-SECTION B-B'

FIGURE: 6

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
37BP.U5201.03.1082	R. Roman	G. Roberts	G. Roberts	12/08/04

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SAMPLE ID:	SB-1		SAMPLE DATE:	06/28/04
DEPTH	GRO	BENZ	MTBE	TBA
10'	7,800	2.4(J)	<11	<220
15'	5,500	3.5(J)	<12	<250
20'	18,000	20	10(J)	<500
25'	7,300	7.9	6.2(J)	<210
30'	4,500	5.6	7.5(J)	<160
35'	5,200	2.6	6.0	2.3(J)
40'	330	0.089(J)	0.27	<5.0
45'	830	<0.12	<0.31	<6.2
50'	1.2	0.0043	1.8	0.079
55'	0.86(J)	0.066(J)	5.8	0.46(J)
60'	1.1	0.33	4.7	<5.0
65'	<1.0	<0.10	0.098(J)	<5.0
70'	0.25(J)	<0.10	0.71	<5.0
75'	0.46(J)	<0.091	3.0	<4.5
80'	0.12(J)	<0.083	0.28	2.8(J)
85'	0.28(J)	<0.088	1.6	0.49(J)
90'	0.65(J)	<0.085	2.2	<4.3
95'	0.18(J)	<0.12	1.6	<5.9
100'	<0.91	<0.0017	0.022	0.032(J)
105'	<0.85	<0.10	0.12(J)	<5.0
110'	<1.2	<0.0020	<0.0050	<0.050
115'	<1.0	<0.0017	<0.0044	<0.044
120'	<0.85	<0.0020	<0.0050	<0.050
125'	<1.0	<0.0017	<0.0042	<0.042
130'	<0.88	<0.0020	<0.0050	<0.050
135'	<1.0	<0.0017	<0.0041	<0.041
140'	<0.87	<0.0020	<0.0050	<0.050

SAMPLE ID:	SB-4		SAMPLE DATE:	06/29/04
DEPTH	GRO	BENZ	MTBE	TBA
10'	<1.0	0.00052(J)	<0.0050	<0.050
15'	<1.0	<0.0020	<0.0050	<0.050
20'	<1.0	<0.0020	<0.0050	<0.050
25'	<1.0	<0.0020	<0.0050	<0.050
30'	<1.0	<0.0020	<0.0050	<0.050
35'	<1.0	<0.0020	<0.0050	<0.050
40'	<0.88	<0.0017	<0.0042	<0.042

SAMPLE ID:	D1-3		SAMPLE DATE:	10/28/02
DEPTH	GRO	BENZ	MTBE	TBA
3'	0.95(J)	<0.12	5.3	0.84(J)

SAMPLE ID:	SB-6		SAMPLE DATE:	07/08/04
DEPTH	GRO	BENZ	MTBE	TBA
5'	<0.83	<0.0016	<0.0041	<0.041
10'	<1.0	<0.0018	<0.0045	<0.045
15'	<1.0	<0.0020	<0.0050	<0.050
20'	<0.88	<0.0018	<0.0044	<0.044
25'	<1.0	<0.0017	<0.0043	<0.043
30'	<0.79	<0.0017	<0.0041	<0.041
35'	<0.84	<0.0016	<0.0040	<0.040
40'	<1.0	<0.0020	<0.0050	<0.050

SAMPLE ID:	PL-1		SAMPLE DATE:	10/28/02
DEPTH	GRO	BENZ	MTBE	TBA
2'	<0.85	<0.0015	<0.0038	<0.038

SAMPLE ID:	PL-9		SAMPLE DATE:	10/28/02
DEPTH	GRO	BENZ	MTBE	TBA
2'	<0.88	<0.0020	<0.0050	<0.050

SAMPLE ID:	D2-3		SAMPLE DATE:	10/28/02
DEPTH	GRO	BENZ	MTBE	TBA
3'	0.13(J)	<0.0020	0.0047(J)	<0.050

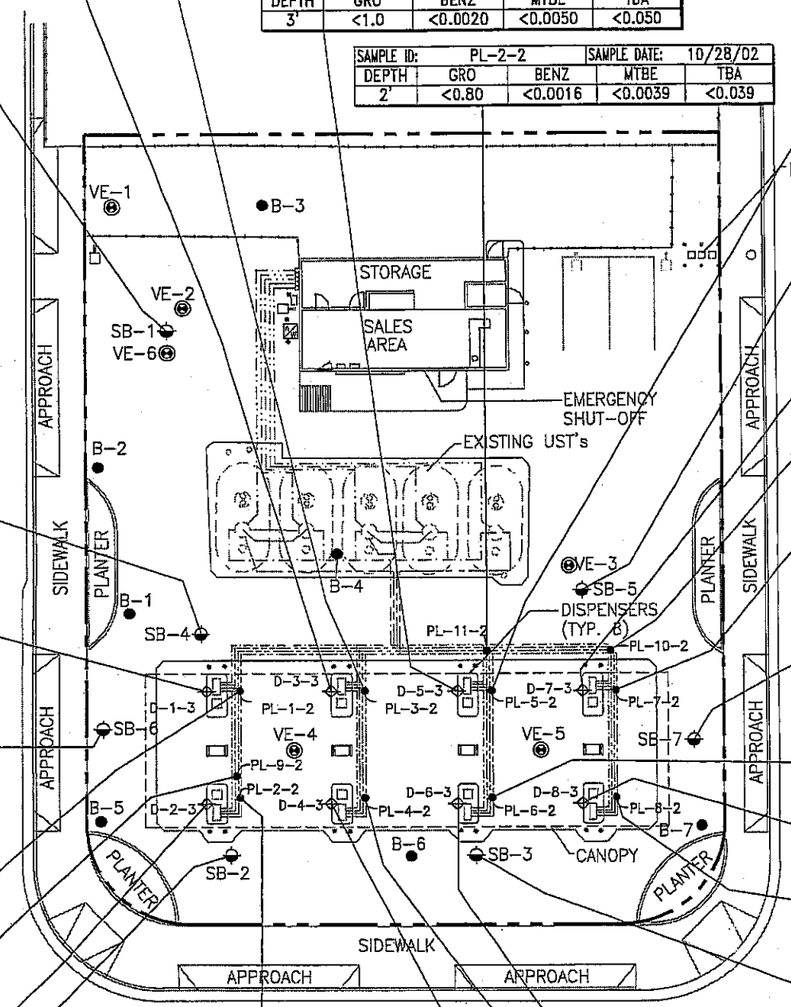
SAMPLE ID:	SB-2		SAMPLE DATE:	06/28/04
DEPTH	GRO	BENZ	MTBE	TBA
10'	<1.0	<0.0020	<0.0050	<0.050
15'	<0.87	<0.0020	<0.0050	<0.050
20'	<1.0	<0.0020	<0.0050	<0.050
25'	<1.0	<0.0017	<0.0043	<0.043
30'	<1.0	<0.0020	<0.0050	<0.050
35'	<1.0	<0.0018	<0.0044	<0.044
40'	<0.77	<0.0016	<0.0041	<0.041

SAMPLE ID:	D3-3		SAMPLE DATE:	10/28/02
DEPTH	GRO	BENZ	MTBE	TBA
3'	0.36(J)	0.0018(J)	0.031	<0.050

SAMPLE ID:	PL-3-2		SAMPLE DATE:	10/28/02
DEPTH	GRO	BENZ	MTBE	TBA
2'	<1.0	0.00080(J)	<0.0044	<0.044

SAMPLE ID:	D5-3		SAMPLE DATE:	10/28/02
DEPTH	GRO	BENZ	MTBE	TBA
3'	<1.0	<0.0020	<0.0050	<0.050

SAMPLE ID:	PL-2-2		SAMPLE DATE:	10/28/02
DEPTH	GRO	BENZ	MTBE	TBA
2'	<0.80	<0.0016	<0.0039	<0.039



SAMPLE ID:	PL-2-2		SAMPLE DATE:	10/28/02
DEPTH	GRO	BENZ	MTBE	TBA
2'	<0.80	<0.0016	<0.0039	<0.039

SAMPLE ID:	D4-3		SAMPLE DATE:	10/28/02
DEPTH	GRO	BENZ	MTBE	TBA
3'	<1.0	<0.0020	<0.0050	<0.050

SAMPLE ID:	PL-4-2		SAMPLE DATE:	10/28/02
DEPTH	GRO	BENZ	MTBE	TBA
2'	<1.0	<0.0017	<0.0041	<0.041

SAMPLE ID:	D6-3		SAMPLE DATE:	10/28/02
DEPTH	GRO	BENZ	MTBE	TBA
3'	<0.91	<0.0018	0.00072(J)	<0.044

SAMPLE ID:	PL-5-2		SAMPLE DATE:	10/28/02
DEPTH	GRO	BENZ	MTBE	TBA
2'	<1.0	<0.0017	<0.0042	<0.042

SAMPLE ID:	SB-5		SAMPLE DATE:	06/29/04
DEPTH	GRO	BENZ	MTBE	TBA
10'	<1.0	<0.0020	<0.0050	<0.050
15'	<1.0	<0.0020	<0.0050	<0.050
20'	<1.0	<0.0020	<0.0050	<0.050
25'	<1.0	<0.0020	<0.0050	<0.050
30'	<0.86	<0.0018	<0.0044	<0.044
35'	<0.83	<0.0017	<0.0043	<0.043
40'	<0.90	<0.0016	<0.0041	<0.041

SAMPLE ID:	D7-3		SAMPLE DATE:	10/28/02
DEPTH	GRO	BENZ	MTBE	TBA
3'	<1.1	<0.0018	<0.0044	<0.044

SAMPLE ID:	PL-10-2		SAMPLE DATE:	10/28/02
DEPTH	GRO	BENZ	MTBE	TBA
2'	<1.0	<0.0020	<0.0050	<0.050

SAMPLE ID:	PL-7-2		SAMPLE DATE:	10/28/02
DEPTH	GRO	BENZ	MTBE	TBA
2'	<0.73	<0.0016	<0.0041	<0.041

SAMPLE ID:	SB-7		SAMPLE DATE:	07/08/04
DEPTH	GRO	BENZ	MTBE	TBA
5'	<0.84	<0.0017	<0.0042	<0.042
10'	<0.86	<0.0016	<0.0041	<0.042
15'	<0.89	0.0030	<0.0043	<0.043
20'	<0.85	0.0020	<0.0041	<0.041
25'	<1.0	0.00062(J)	<0.0044	<0.044
30'	<0.84	0.00051(J)	<0.0041	<0.041
35'	<0.77	0.00046(J)	<0.0040	<0.040
40'	<0.82	0.0014(J)	<0.0040	<0.040

SAMPLE ID:	PL-6-2		SAMPLE DATE:	10/28/02
DEPTH	GRO	BENZ	MTBE	TBA
2'	<0.77	<0.0018	0.0022(J)	<0.045

SAMPLE ID:	D8-3		SAMPLE DATE:	10/28/02
DEPTH	GRO	BENZ	MTBE	TBA
3'	<1.1	<0.089	0.42	2.6(J)

SAMPLE ID:	PL-8-2		SAMPLE DATE:	10/28/02
DEPTH	GRO	BENZ	MTBE	TBA
2'	<0.86	<0.0018	<0.0044	<0.044

SAMPLE ID:	SB-3		SAMPLE DATE:	06/29/04
DEPTH	GRO	BENZ	MTBE	TBA
5'	<1.0	<0.0020	<0.0050	<0.050
10'	<1.0	<0.0020	<0.0050	<0.050
15'	<1.0	<0.0018	<0.0045	<0.045
20'	<1.0	<0.0020	<0.0050	<0.050
25'	<1.0	<0.0020	<0.0050	<0.050
30'	<1.0	<0.0018	<0.0044	<0.044
35'	<0.85	<0.0018	<0.0044	<0.044
40'	<1.0	<0.0016	0.013	<0.040

LEGEND

- SITE PROPERTY LINE
- EXISTING PRODUCT PIPING
- EXISTING VAPOR RECOVERY PIPING
- EXISTING VENT PIPING
- VE-4 SOIL VAPOR EXTRACTION WELL
- SB-1 SOIL BORING (SECOR 2004)
- B-3 HISTORICAL SOIL BORING

DEPTH	GRO	BENZ	MTBE	TBA

SOIL SAMPLE DEPTH WITH CORRESPONDING GASOLINE RANGE ORGANICS [GRO], BENZENE [BENZ], METHYL TERTIARY BUTYL ETHER [MTBE] AND TERTIARY BUTANOL [TBA]CONCENTRATIONS IN MILLIGRAMS PER KILOGRAM (mg/kg)

(J) ESTIMATED VALUE BETWEEN METHOD DETECTION LIMIT AND REPORTING LIMIT

NOTES:

1. MAP REFERENCE: F.F. & ASSOCIATES, DATED OCTOBER 1, 2002.
2. NOT A SURVEYED MAP, SITE FEATURES AND SAMPLE LOCATIONS ARE APPROXIMATE.

0 30 60

APPROXIMATE SCALE (FEET)

SECOR
290 Conejo Ridge Avenue, Suite 200
Thousand Oaks, CA 91361
(805) 230-1266/230-1277 (Fax)

PREPARED FOR:
ATLANTIC RICHFIELD COMPANY
STATION NO. 5201
15711 Victory Boulevard
Van Nuys, California

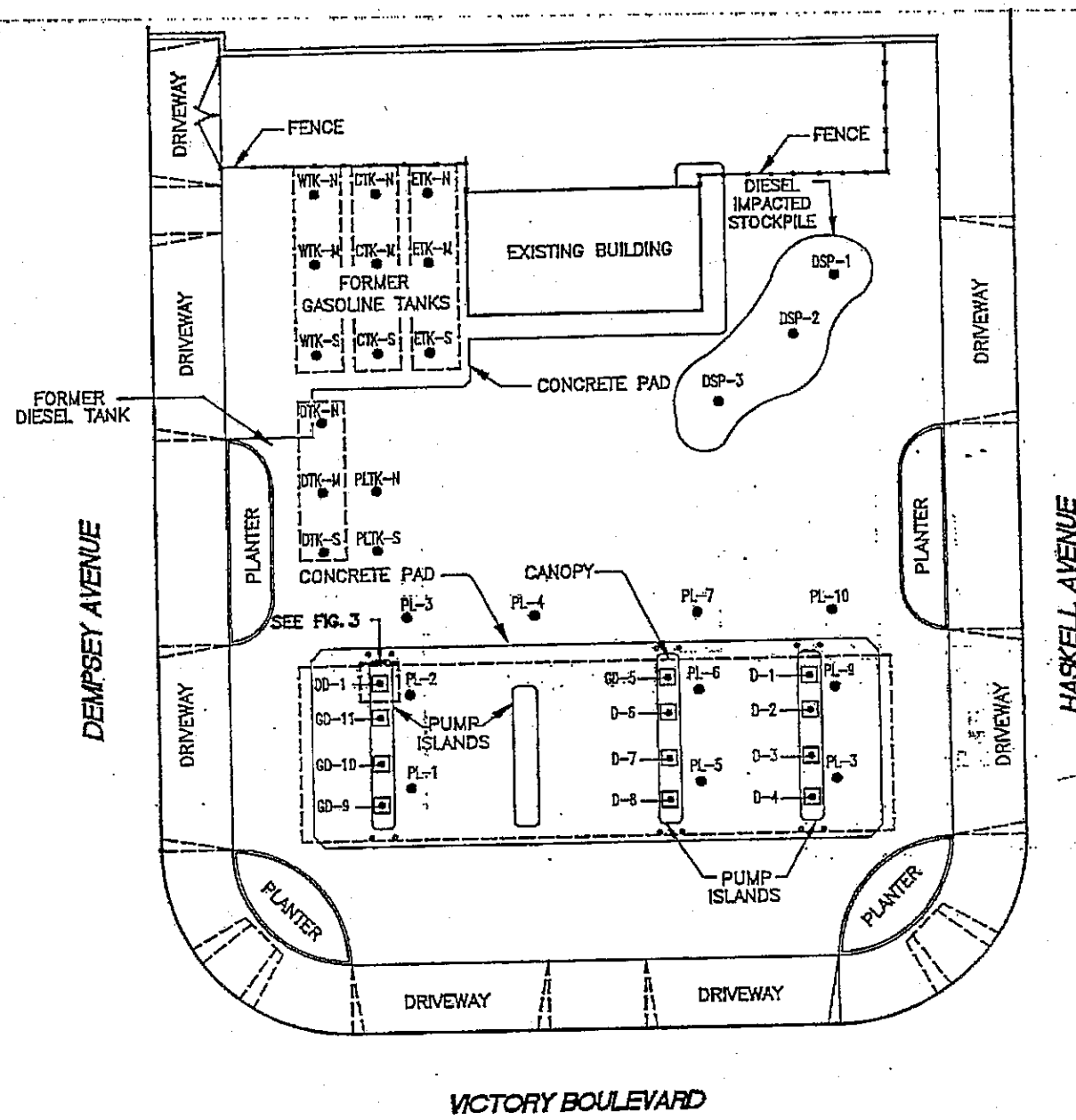
SITE MAP SHOWING HYDROCARBON CONCENTRATIONS IN SOIL

FIGURE: 7

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
37BP.05201.03.1078	R. Roman	J. Dasinger	G. Roberts	08/12/04

M:\ARCO\5201\Report_8-04

5201-HYD.DWG / HYD_FIG7 (LAYOUT)



LEGEND

● D--1 SOIL SAMPLE LOCATION

(OTHER STOCKPILES NOT SHOWN FOR CLARITY)

N

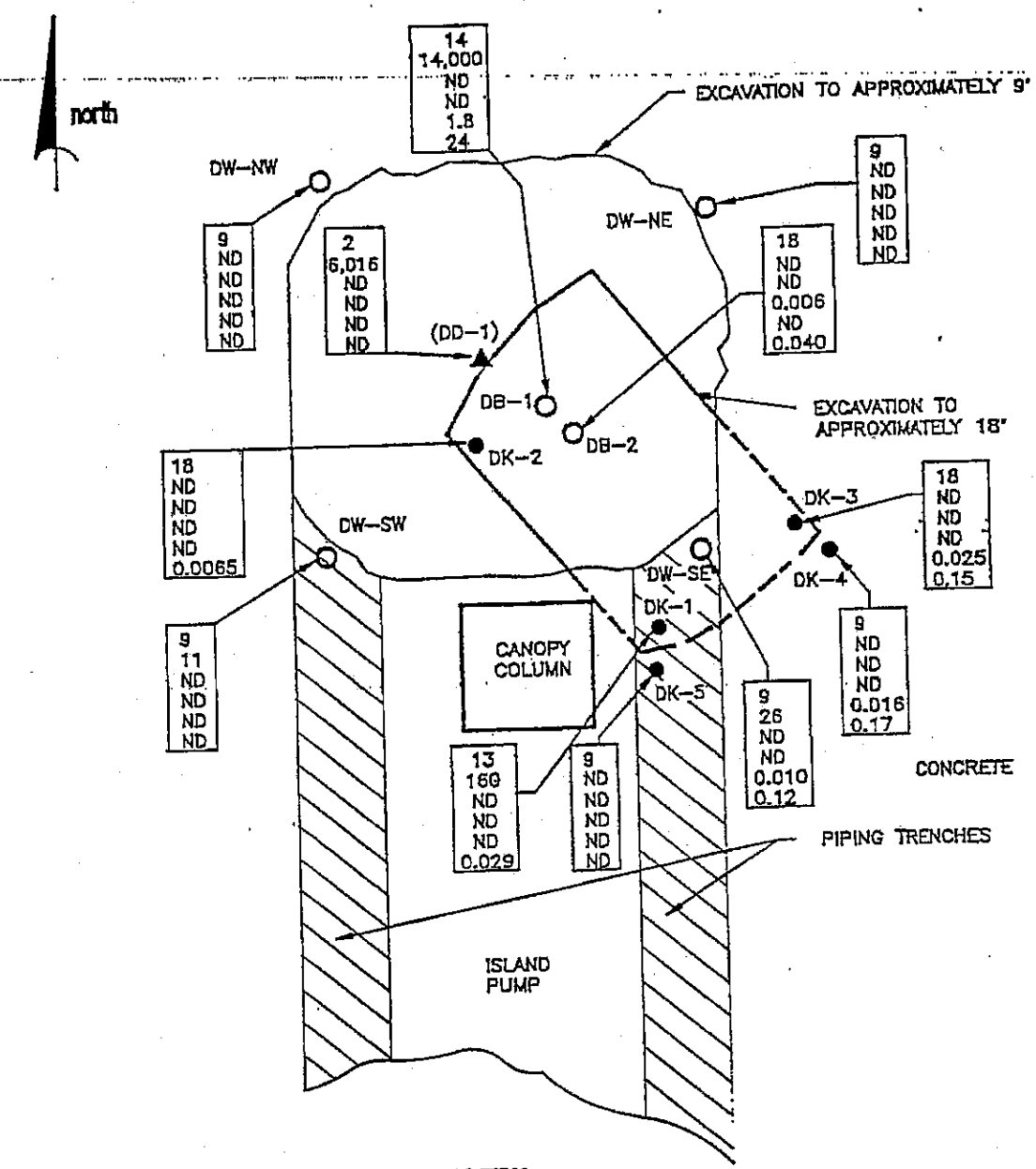
0 30 FT

SCALE: 1"=30'

FIGURE 2.

SITE/SAMPLE LOCATION PLAN
ARCO STATION NO. 5201
15711 VICTORY BOULEVARD
VAN NUYS, CA

PROJECT NO. 45-92-823	DRAWN BY G. ROSAS	Delta Environmental Consultants, Inc.
FILE NO. 2-823-03	PREPARED BY J. AMATO	
DATE 28 AUG 92 / REV. 0	REVIEWED BY	



PLAN VIEW

0 3'

SCALE 1"=3'

LEGEND

- ● SOIL SAMPLES COLLECTED 7-17-92 (DEPTH)
- o SOIL SAMPLES COLLECTED 7-7-92 (DEPTH)
- ▲ DD-1 SAMPLE COLLECTED 7-10-92 (DEPTH)

9	SAMPLE COLLECTION DEPTH
11	TPHd CONCENTRATION IN mg/kg
ND	BENZENE CONCENTRATION IN mg/kg
ND	TOLUENE CONCENTRATION IN mg/kg
ND	ETHYLEBENZENE CONCENTRATION IN mg/kG
ND	XYLENES CONCENTRATION IN mg/kg

FIGURE 3

DIESEL DISPENSER OVEREXCAVATION
ARCO STATION NO. 5201
15711 VICTORY BOULEVARD
VAN NUYS, CA.

PROJECT NO. 45-92-823		DRAWN BY G. ROSAS
FILE NO. 2-823-02		PREPARED BY J. AMATO
DATE 28 AUG 92	REV. 0	REVIEWED BY

Delta Environmental Consultants, Inc.

APPENDIX A

LAFD Correspondence

RECEIVED JAN 19 2005

Roberts

BOARD OF FIRE COMMISSIONERS

JAY H. GRODIN
PRESIDENT

ROLAND COLEMAN
VICE PRESIDENT

LOUISE L. FRANKEL
TYRONE FREEMAN
VERONICA GUTIERREZ

BLANCA GOMEZ-REVELLES
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CITY OF LOS ANGELES

CALIFORNIA

JAMES K. HAHN
MAYOR

DEPARTMENT OF FIRE

WILLIAM R. BAMATTRE
FIRE CHIEF

200 NORTH MAIN STREET
LOS ANGELES, CA 90012

(213) 978-3800
FAX: (213) 978-3815

http://www.lafd.org

January 12, 2005

Mr. Ray Vose
ARCO Products Co.
4 Centerpointe Dr., LPR4-176
La Palma, CA 90623-1066

Facility ID #: 17136

SITE: ARCO Station No. 5201
15711 Victory Blvd.
Van Nuys, CA
RE: Permit #: 10518

Dear Mr. Vose:

The Fire Department has reviewed the Site Assessment Report dated December 10, 2004 as submitted by Secor International Incorporated.

Please develop and submit a Remedial Action Work Plan describing the recommended method of remediation and feasible alternatives, taking into consideration cost effectiveness, time required for completion, potential risk to the public and environment and effectiveness of the various options.

In order to facilitate further processing of your pending report and other document submittals, complete and return the enclosed "Required Information Form" with your future report submittals, according to the instructions at the top of the form.

If you require additional information from the Los Angeles Fire Department, please contact Ms. Valerie Toney, Manager, Hazardous Materials Programs, at 213-978-3684.

Very truly yours,

WILLIAM R. BAMATTRE
Fire Chief

Kurt Fasmer, Captain I
Commander, Environmental Unit

cc: Mr. Gareth Roberts; Secor International Incorporated; 290 Conejo Ridge Ave., Suite 200; Thousand Oaks, CA 91361

REQUIRED INFORMATION FORM

INSTRUCTIONS: This form is to be filled out completely and must be the first page of any document, including all reports, submitted to the Los Angeles Fire Department (LAFD) Underground Storage Tank Unit (UST). To ensure accuracy this form must be completed on the computer or typed out. **Hand printing or writing will not be accepted.** The correct LAFD **Facility I.D. No.** and **Division 5 Permit No.** must be included for the submittal to be processed.
**** (SOME INFORMATION MAY ALREADY BE PRE-ENTERED FOR YOUR CONVENIENCE)**

PLEASE NOTE THAT AN ACCOMPANYING INTRODUCTORY LETTER ON YOUR COMPANY LETTERHEAD CANNOT BE SUBSTITUTED FOR THIS FORM.

Today's Date: 1/12/2005

Mail to: City of Los Angeles Fire Department
Environmental Unit – Underground Storage Tanks
Attn: Valerie Toney
200 North Main Street, Rm. 1700
Los Angeles, CA., 90012

Report Title
(Please select the applicable title from the drop down menu)

Remedial Action Plan

LAFD Facility I.D. No. 17136

LAFD Division 5 Permit No. 10518
LAFD Site Assessment Permit No. 11350

Site/Facility Name: ARCO Station No. 5201

Site Address: 15711 Victory Blvd.

City/State/Zip: Van Nuys, CA,

Site Facility Description: Gasoline Station

Tank Owner/Tank Operator/Responsible Party Contact Information

Contact Name and Title:

Contact Phone No.

Company Name:

Company Address:

City/State/Zip: Los Angees, CA,

Consultant Information

Contact Name and Title:

Contact Phone No.

Company Name:

Company Address:

City/State/Zip: Los Angeles, CA,

APPENDIX B

Historical Analytical Tables

TABLE 1
HISTORICAL SOIL ANALYTICAL DATA
ARCO STATION NO. 5201
15711 VICTORY BOULEVARD
VAN NUYS, CALIFORNIA

EPA Method:		8015B	8260B									
SAMPLE ID	SAMPLE DATE	TPHg/VFH mg/kg	B mg/kg	T mg/kg	E mg/kg	X mg/kg	MTBE mg/kg	TBA mg/kg	DIPE mg/kg	ETBE mg/kg	TAME mg/kg	Ethanol mg/kg
D1-3	10/28/02	0.95[J]	<0.12	<0.012	0.016[J]	<0.24	5.3	0.84[J]	<0.30	<0.30	<0.30	<0.30
D2-3	10/28/02	0.13[J]	<0.0020	<0.0020	<0.0020	<0.0040	0.0047[J]	<0.050	<0.0050	<0.0050	<0.0050	<0.0050
D3-3	10/28/02	0.36[J]	0.0018[J]	0.019	0.0061	0.037	0.031	<0.050	<0.0050	<0.0050	<0.0050	<0.0050
D4-3	10/28/02	<1.0	<0.0020	<0.0020	<0.0020	<0.0040	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.0050
D5-3	10/28/02	<1.0	<0.0020	<0.0020	0.00052[J]	0.0022[J]	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.0050
D6-3	10/28/02	<0.91	<0.0018	<0.0018	<0.0018	<0.0035	0.00072[J]	<0.044	<0.0044	<0.0044	<0.0044	<0.0044
D7-3	10/28/02	<1.1	<0.0018	<0.0018	<0.0018	<0.0036	<0.0044	<0.044	<0.0044	<0.0044	<0.0044	<0.0044
D8-3	10/28/02	<1.1	<0.089	<0.089	0.011[J]	<0.18	0.42	2.6[J]	<0.22	<0.22	<0.22	<0.22
PL-1-2	10/28/02	<0.85	<0.0015	0.00055[J]	<0.00028[J]	<0.0031	<0.0038	<0.038	<0.0038	<0.0038	<0.0038	<0.0038
PL-2-2	10/28/02	<0.80	<0.0016	<0.0016	<0.0016	<0.0031	<0.0039	<0.039	--	<0.0039	<0.0039	<0.0039
PL-3-2	10/28/02	<1.0	0.00080[J]	0.0011[J]	0.00046[J]	0.0019[J]	<0.0044	<0.044	<0.0044	<0.0044	<0.0044	<0.0044
PL-4-2	10/28/02	<1.0	<0.0017	<0.0017	<0.0017	<0.0033	<0.0041	<0.041	<0.0041	<0.0041	<0.0041	<0.0041
PL-5-2	10/28/02	<1.0	<0.0017	<0.0017	<0.0017	<0.0033	<0.0042	<0.042	<0.0042	<0.0042	<0.0042	<0.0042
PL-6-2	10/28/02	<0.77	<0.0018	<0.0018	<0.0018	<0.0036	0.0022[J]	<0.045	<0.0045	<0.0045	<0.0045	<0.0045
PL-7-2	10/28/02	<0.73	<0.0016	<0.0016	<0.0016	<0.0033	<0.0041	<0.041	<0.0041	<0.0041	<0.0041	<0.0041
PL-8-2	10/28/02	<0.86	<0.0018	<0.0018	<0.0018	<0.0035	<0.0044	<0.044	<0.0044	<0.0044	<0.0044	<0.0044
PL-9-2	10/28/02	<0.88	<0.0020	<0.0020	<0.0020	<0.0040	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.0050
PL-10-2	10/28/02	<1.0	<0.0020	<0.0020	<0.0020	<0.0040	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.0050
PL-11-2	10/28/02	<1.1	<0.0016	0.00016[J]	<0.0016	<0.0032	<0.0041	<0.041	<0.0041	<0.0041	<0.0041	<0.0041
SP-1	10/28/02	<1.0	<0.0017	<0.0017	<0.0017	<0.0034	0.0011[J]	<0.042	<0.0042	<0.0042	<0.0042	<0.0042
SP-2	10/28/02	<1.0	<0.0020	<0.0020	<0.0020	<0.0040	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.0050
SP-3	10/28/02	1.4	<0.0018	0.0016[J]	0.012	0.076	<0.0044	0.015[J]	<0.0044	<0.0044	<0.0044	<0.0044
SP-4	10/28/02	<0.82	<0.0016	<0.0016	<0.0016	<0.0032	0.0056	<0.040	<0.0040	<0.0040	<0.0040	<0.0040
SP-5	10/28/02	<0.87	<0.0018	<0.0018	<0.0018	<0.0035	<0.0044	<0.044	<0.0044	<0.0044	<0.0044	<0.0044
SP-6	10/28/02	3.1	<0.0017	<0.0017	<0.0017	<0.0033	0.00064[J]	<0.041	<0.0041	<0.0041	<0.0041	<0.0041
SP-7	10/28/02	0.10[J]	<0.0016	0.00062[J]	0.00062[J]	0.021	0.0093	<0.041	<0.0041	<0.0041	<0.0041	<0.0041
SB-1-10	06/28/04	7,800	2.4[J]	140	87	610	<11	<220	<11	<11	<11	<650
SB-1-15	06/28/04	5,500	3.5[J]	190	120	810	<12	<250	<12	<12	<12	<750
SB-1-20	06/28/04	18,000	20	1,000	600	3,700	10[J]	<500	<25	<25	<25	<1,500
SB-1-25	06/28/04	7,300	7.9	330	170	960	6.2[J]	<210	<11	<11	<11	<640
SB-1-30	06/28/04	4,500	5.6	210	110	610	7.5[J]	<160	<8.1	<8.1	<8.1	<490
SB-1-35	06/28/04	5,200	2.6	74	39	210	6.0	2.3[J]	<2.1	<2.1	<2.1	<130
SB-1-40	06/28/04	330	0.089[J]	7.7	7.7	41	0.27	<5.0	<0.25	<0.25	<0.25	<15
SB-1-45	06/28/04	830	<0.12	2.1	3.9	24	<0.31	<6.2	<0.31	<0.31	<0.31	<19
SB-1-50	06/28/04	1.2	0.0043	0.033	0.011	0.070	1.8	0.079	<0.0043	<0.0043	0.0020[J]	0.13[J]
SB-1-55	06/28/04	0.86[J]	0.066[J]	0.19	0.023[J]	0.13[J]	5.8	0.46[J]	<0.21	<0.21	<0.21	<13
SB-1-60	06/28/04	1.1	0.33	0.12	0.33	0.51	4.7	<5.0	<0.25	<0.25	<0.25	<15
SB-1-65	06/28/04	<1.0	<0.10	1.9	1.2	7.8	0.098[J]	<5.0	<0.25	<0.25	<0.25	<15
SB-1-70	06/28/04	0.25[J]	<0.10	<0.10	<0.10	<0.20	0.71	<5.0	<0.25	<0.25	<0.25	<15
SB-1-75	06/28/04	0.46[J]	<0.091	<0.091	0.40	<0.18	3.0	<4.5	<0.23	<0.23	<0.23	<14
SB-1-80	06/28/04	0.12[J]	<0.083	<0.083	<0.083	<0.17	0.28	2.8[J]	<0.21	<0.21	<0.21	<12
SB-1-85	06/28/04	0.28[J]	<0.088	<0.088	<0.088	<0.18	1.6	0.49[J]	<0.22	<0.22	<0.22	<13
SB-1-90	06/28/04	0.65[J]	<0.085	<0.085	<0.085	0.045[J]	2.2	<4.3	<0.21	<0.21	<0.21	<13
SB-1-95	06/28/04	0.18[J]	<0.12	<0.12	<0.12	<0.23	1.6	<5.9	<0.29	<0.29	<0.29	<18
SB-1-100	06/28/04	<0.91	<0.0017	<0.0017	<0.0017	<0.0035	0.022	0.032[J]	<0.0043	<0.0043	<0.0043	<0.26
SB-1-105	06/28/04	<0.85	<0.10	0.045[J]	<0.10	0.079[J]	0.12[J]	<5.0	<0.25	<0.25	<0.25	<15
SB-1-110	06/28/04	<1.2	<0.0020	<0.0020	<0.0020	0.0028[J]	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.30
SB-1-115	06/28/04	<1.0	<0.0017	<0.0017	0.00045[J]	0.0033[J]	<0.0044	<0.044	<0.0044	<0.0044	<0.0044	<0.26
SB-1-120	06/28/04	<0.85	<0.0020	0.0021	0.00078[J]	0.0039[J]	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.30
SB-1-125	06/28/04	<1.0	<0.0017	<0.0017	<0.0017	<0.0034	<0.0042	<0.042	<0.0042	<0.0042	<0.0042	<0.25
SB-1-130	06/28/04	<0.88	<0.0020	0.0029	0.00089[J]	0.0048	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.30
SB-1-135	06/28/04	<1.0	<0.0017	0.00079[J]	<0.0017	<0.0033	<0.0041	<0.041	<0.0041	<0.0041	<0.0041	<0.25
SB-1-140	06/28/04	<0.87	<0.0020	0.0016[J]	<0.0020	0.0019[J]	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.30

TABLE 1
HISTORICAL SOIL ANALYTICAL DATA
ARCO STATION NO. 5201
15711 VICTORY BOULEVARD
VAN NUYS, CALIFORNIA

EPA Method:		8015B	8260B									
SAMPLE ID	SAMPLE DATE	TPHg/VFH mg/kg	B mg/kg	T mg/kg	E mg/kg	X mg/kg	MTBE mg/kg	TBA mg/kg	DIPE mg/kg	ETBE mg/kg	TAME mg/kg	Ethanol mg/kg
SB-2-10	06/28/04	<1.0	<0.0020	<0.0020	<0.0020	<0.0040	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.30
SB-2-15	06/28/04	<0.87	<0.0020	<0.0020	<0.0020	<0.0040	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.30
SB-2-20	06/28/04	<1.0	<0.0020	<0.0020	<0.0020	<0.0040	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.30
SB-2-25	06/28/04	<1.0	<0.0017	<0.0017	<0.0017	<0.0034	<0.0043	<0.043	<0.0043	<0.0043	<0.0043	<0.26
SB-2-30	06/28/04	<1.0	<0.0020	<0.0020	<0.0020	<0.0040	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.30
SB-2-35	06/28/04	<1.0	<0.0018	<0.0018	<0.0018	<0.0036	<0.0044	<0.044	<0.0044	<0.0044	<0.0044	<0.27
SB-2-40	06/28/04	<0.77	<0.0016	<0.0016	<0.0016	<0.0033	<0.0041	<0.041	<0.0041	<0.0041	<0.0041	<0.24
SB-3-5	06/29/04	<1.0	<0.0020	<0.0020	0.00059[J]	0.0042	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.30
SB-3-10	06/29/04	<1.0	<0.0020	<0.0020	<0.0020	<0.0040	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.30
SB-3-15	06/29/04	<1.0	<0.0018	<0.0018	<0.0018	<0.0036	<0.0045	<0.045	<0.0045	<0.0045	<0.0045	<0.27
SB-3-20	06/29/04	<1.0	<0.0020	<0.0020	<0.0020	<0.0040	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.30
SB-3-25	06/29/04	<1.0	<0.0020	<0.0020	<0.0020	<0.0040	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.30
SB-3-30	06/29/04	<1.0	<0.0018	<0.0018	<0.0018	<0.0035	<0.0044	<0.044	<0.0044	<0.0044	<0.0044	<0.26
SB-3-35	06/29/04	<0.85	<0.0018	<0.0018	<0.0018	<0.0035	<0.0044	<0.044	<0.0044	<0.0044	<0.0044	<0.27
SB-3-40	06/29/04	<1.0	<0.0016	<0.0016	<0.0016	<0.0032	0.013	<0.040	<0.0040	<0.0040	<0.0040	<0.24
SB-4-10	06/29/04	<1.0	0.00052[J]	<0.0020	<0.0020	<0.0040	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.30
SB-4-15	06/29/04	<1.0	<0.0020	<0.0020	<0.0020	<0.0040	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.30
SB-4-20	06/29/04	<1.0	<0.0020	<0.0020	<0.0020	<0.0040	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.30
SB-4-25	06/29/04	<1.0	<0.0020	<0.0020	<0.0020	<0.0040	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.30
SB-4-30	06/29/04	<1.0	<0.0020	<0.0020	<0.0020	<0.0040	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.30
SB-4-35	06/29/04	<1.0	<0.0020	<0.0020	<0.0020	<0.0040	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.30
SB-4-40	06/29/04	<0.88	<0.0017	<0.0017	<0.0017	<0.0033	<0.0042	<0.042	<0.0042	<0.0042	<0.0042	<0.25
SB-5-10	06/29/04	<1.0	<0.0020	<0.0020	<0.0020	<0.0040	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.30
SB-5-15	06/29/04	<1.0	<0.0020	<0.0020	<0.0020	<0.0040	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.30
SB-5-20	06/29/04	<1.0	<0.0020	<0.0020	<0.0020	<0.0040	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.30
SB-5-25	06/29/04	<1.0	<0.0020	<0.0020	<0.0020	<0.0040	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.30
SB-5-30	06/29/04	<0.86	<0.0018	<0.0018	<0.0018	<0.0035	<0.0044	<0.044	<0.0044	<0.0044	<0.0044	<0.26
SB-5-35	06/29/04	<0.83	<0.0017	<0.0017	<0.0017	<0.0034	<0.0043	<0.043	<0.0043	<0.0043	<0.0043	<0.26
SB-5-40	06/29/04	<0.90	<0.0016	<0.0016	<0.0016	<0.0033	<0.0041	<0.041	<0.0041	<0.0041	<0.0041	<0.24
SB-6-5	07/08/04	<0.83	<0.0016	<0.0016	<0.0016	<0.0033	<0.0041	<0.041	<0.0041	<0.0041	<0.0041	<0.25
SB-6-10	07/08/04	<1.0	<0.0018	<0.0018	<0.0018	<0.0036	<0.0045	<0.045	<0.0045	<0.0045	<0.0045	<0.27
SB-6-15	07/08/04	<1.0	<0.0020	<0.0020	<0.0020	<0.0040	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.30
SB-6-20	07/08/04	<0.88	<0.0018	<0.0018	<0.0018	<0.0035	<0.0044	<0.044	<0.0044	<0.0044	<0.0044	<0.27
SB-6-25	07/08/04	<1.0	<0.0017	<0.0017	<0.0017	<0.0035	<0.0043	<0.043	<0.0043	<0.0043	<0.0043	<0.26
SB-6-30	07/08/04	<0.79	<0.0017	<0.0017	<0.0017	<0.0033	<0.0041	<0.041	<0.0041	<0.0041	<0.0041	<0.25
SB-6-35	07/08/04	<0.84	<0.0016	<0.0016	<0.0016	<0.0032	<0.0040	<0.040	<0.0040	<0.0040	<0.0040	<0.24
SB-6-40	07/08/04	<1.0	<0.0020	<0.0020	<0.0020	<0.0040	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.30
SB-7-5	07/08/04	<0.84	<0.0017	<0.0017	<0.0017	<0.0034	<0.0042	<0.042	<0.0042	<0.0042	<0.0042	<0.25
SB-7-10	07/08/04	<0.86	<0.0016	<0.0016	<0.0016	<0.0033	<0.0041	<0.041	<0.0041	<0.0041	<0.0041	<0.24
SB-7-15	07/08/04	<0.89	0.0030	<0.0017	<0.0017	<0.0034	<0.0043	<0.043	<0.0043	<0.0043	<0.0043	<0.26
SB-7-20	07/08/04	<0.85	0.0020	<0.0016	<0.0016	<0.0033	<0.0041	<0.041	<0.0041	<0.0041	<0.0041	<0.24
SB-7-25	07/08/04	<1.0	0.00062[J]	<0.0018	<0.0018	<0.0036	<0.0044	<0.044	<0.0044	<0.0044	<0.0044	<0.27
SB-7-30	07/08/04	<0.84	0.00051[J]	<0.0017	<0.0017	<0.0033	<0.0041	<0.041	<0.0041	<0.0041	<0.0041	<0.25
SB-7-35	07/08/04	<0.77	0.00046[J]	<0.0016	<0.0016	<0.0032	<0.0040	<0.040	<0.0040	<0.0040	<0.0040	<0.24
SB-7-40	07/08/04	<0.82	0.0014[J]	<0.0016	<0.0016	<0.0032	<0.0040	<0.040	<0.0040	<0.0040	<0.0040	<0.24

Notes:
Soil samples analyzed for TPHg (carbon range unspecified) prior to July 2004.
mg/kg- Milligrams per kilogram
TPHg - Total petroleum hydrocarbons as gasoline
VFH - Volatile Fuel Hydrocarbons (C4-C12)
B - Benzene
T - Toluene
E - Ethylbenzene
X - Total xylenes
TBA - Tertiary butanol
DIPE - Di-isopropyl ether
ETBE - Ethyl-tertiary-butyl ether
TAME - Tertiary-amyl-methyl ether
MTBE - Methyl-tertiary-butyl ether
<0.0050 - Below reporting limit and method detection limit
J- Estimated value (below laboratory reporting limit and above method detection limit)

TABLE 1

SOIL SAMPLE ANALYTICAL RESULTS
ARCO FACILITY No. 5201
15711 VICTORY BOULEVARD
VAN NUYS, CALIFORNIA
DELTA PROJECT NO. L092-823-A

SOIL BORING NO.	DEPTH (feet)	TPHg	BENZENE	TOLUENE	ETHYLBENZENE	XYLENES
B-5	10	ND	ND	ND	ND	ND
	20	ND	ND	ND	ND	ND
	30	ND	ND	ND	ND	ND
B-6	10	ND	ND	ND	ND	ND
	20	ND	ND	ND	ND	ND
	30	ND	ND	ND	ND	ND
B-7**	10	ND	ND	ND	ND	ND
	20	ND	ND	ND	ND	ND
	30	ND	ND	ND	ND	ND
VE-1	5	ND	ND	ND	ND	ND
	15	ND	ND	ND	ND	ND
	25	ND	ND	ND	ND	ND
	35	ND	ND	ND	ND	ND
	45	ND	ND	ND	ND	ND
VE-2	5	6.8	ND	ND	ND	0.11
	15	22,000	210	1,400	450	2,600
	25	8,900	45	560	180	1,100
	35	7,700	46	720	230	1,400
	45	2,900	10	180	90	430
	55	400	ND*	20	11	72

LEGEND:

TPHg	=	Total petroleum hydrocarbons as gasoline
ND	=	Not detected (minimum detection limits, TPHg = 1.0 parts per million [ppm], benzene, toluene and ethylbenzene = 0.05 ppm, xylenes = 0.06 ppm)
*	=	Detection limit above minimum detection limit due to sample dilution factor, see laboratory report for detection limit
**	=	Samples analyzed after 14-day holding time

NOTES: All results are in ppm (milligrams per kilogram [mg/kg])

TABLE 1

SOIL SAMPLE ANALYTICAL RESULTS
ARCO FACILITY No. 5201
15711 VICTORY BOULEVARD
VAN NUYS, CALIFORNIA
DELTA PROJECT NO. L092-823-A

SOIL BORING NO.	DEPTH (feet)	TPHg	BENZENE	TOLUENE	ETHYLBENZENE	XYLENES
VE-3	10	ND	ND	ND	ND	ND
	20	ND	ND	ND	ND	ND
	30	ND	ND	ND	ND	ND
VE-4	10	4.5	ND	ND	ND	0.06
	20	80	ND*	ND*	0.70	2.0
	30	2.6	ND	ND	0.20	ND
VE-5	5	20	ND*	ND*	0.11	0.86
	15	32	ND*	ND*	024	1.4
	25	29	ND	0.10	1.0	1.9
	35	4.0	ND	ND	0.15	0.47
VE-6	45	760	2.2	45	23	150
	50	16	0.72	0.46	0.15	1.0
	55	12	0.15	0.38	0.071	0.42
	60	12	0.21	0.20	0.077	0.37
	65	ND	ND	ND	ND	ND
	70	ND	0.049	0.33	0.055	0.36
	75	ND	0.013	0.015	0.022	0.14
	80	ND	ND	ND	ND	ND
	90	ND	ND	0.019	ND	0.027
	95	ND	0.0071	0.046	0.011	0.076

LEGEND:

TPHg	=	Total petroleum hydrocarbons as gasoline
ND	=	Not detected (minimum detection limits, TPHg = 1.0 parts per million [ppm], benzene, toluene and ethylbenzene = 0.05 ppm, xylenes = 0.06 ppm)
*	=	Detection limit above minimum detection limit due to sample dilution factor, see laboratory report for detection limit
**	=	Samples analyzed after 14-day holding time

NOTES: All results are in ppm (milligrams per kilogram [mg/kg])

TABLE 2

HISTORICAL SOIL SAMPLE ANALYTICAL RESULTS
ARCO FACILITY No. 5201
15711 VICTORY BOULEVARD
VAN NUYS, CALIFORNIA
DELTA PROJECT No. L092-823-A

SOIL BORING NO.	DEPTH (feet)	CONCENTRATION (mg/kg)		
		TPHg	TPHd	TRPH
B-1	9	NA	ND	NA
B-1	19	NA	ND	NA
B-2	10	61	40	NA
B-2	20	39	ND	NA
B-2	30	1.5	ND	NA
B-2	40	2.1	ND	NA
B-3	10	ND	NA	ND
B-3	20	ND	NA	ND
B-4	10	ND	NA	NA
B-4	20	ND	NA	NA

LEGEND:
- TPHg = Total petroleum hydrocarbons as gasoline
- TPHd = Total petroleum hydrocarbons as diesel
- TRPH = Total recoverable petroleum hydrocarbons
- ND = Not detected (method detection limits: TPHg = 1.0 parts per million [ppm], TPHd and TRPH = 5.0 ppm)
- NA = Not analyzed

Notes: All results are in ppm (milligrams per kilogram [mg/kg])

TABLE 3

ANALYTICAL RESULTS
DISPENSER ISLAND AND PRODUCT LINE SAMPLES
ARCO FACILITY NO. 5201
15711 VICTORY BOULEVARD
VAN NUYS, CALIFORNIA
DELTA PROJECT NO. L092-823-A

SAMPLE	DATE	CONCENTRATIONS (mg/kg)					
		TPHg	BENZENE	TOLUENE	ETHYLBENZENE	XYLENES	MTBE
DI-1	09/19/96	230	0.31	11	5.3	37	2.2
DI-2	09/19/96	6,300	ND<3.0	85	54	540	ND<2.0
DI-3	09/19/96	120	ND<0.060	0.088	0.25	2.3	2.2
DI-4	09/19/96	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.015	ND<1.0
DI-5	09/19/96	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	0.016	ND<1.0
DI-6	09/19/96	9,400	51	410	130	860	390
DI-7	09/19/96	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.015	ND<1.0
DI-8	09/19/96	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.015	ND<1.0
DI-9	09/19/96	3,100	ND<0.30	0.37	13	100	ND<1.0
DI-11	09/19/96	6,200	ND<3.0	110	62	540	9.7
DI-12	09/19/96	20,000	35	360	190	1,600	ND<40

LEGEND:
mg/kg = Milligrams per kilogram
TPHg = Total petroleum hydrocarbons as gasoline
MTBE = Methyl tert-butyl ether
ND< = Not detected at or below the laboratory detection limit

TABLE 4

ANALYTICAL RESULTS - 1992

TANK BOTTOM, PRODUCT PIPING, AND DISPENSER SAMPLES
ARCO FACILITY NO. 5201
15711 VICTORY BOULEVARD
VAN NUYS, CALIFORNIA
DELTA PROJECT NO. L092-823-A

SAMPLE	CONCENTRATIONS (mg/kg)						
	TPHd	TPHg	BENZENE	TOLUENE	ETHYLBENZENE	XYLENES	LEAD
D-1	NA	4,100	ND	70	70	400	4.5
D-2	NA	12,000	ND	360	210	1,400	13
D-3	NA	3,600	ND	380	200	1,600	6.5
D-4	NA	13,000	ND	130	150	1,100	41
GD-5	NA	260	ND	ND	6.0	30	12
D-6	NA	10,000	ND	ND	60	710	90
D-7	NA	4,000	ND	20	50	300	24
D-8	NA	13,000	ND	50	160	940	31
GD-9	NA	4,000	ND	50	60	300	24
GD-10	NA	ND	ND	ND	ND	0.08	ND
GD-11	NA	18,378	11	441.1	321.4	1316.2	1.3
DD-1	6,016	NA	ND	ND	ND	ND	NA
PLTK-N	20	ND	ND	ND	ND	ND	4.3
PLTK-S*	ND	ND	ND	ND	ND	ND	5.2
PL-1	NA	ND	ND	ND	ND	ND	5.6
PL-2	NA	ND	ND	ND	ND	ND	4.7
PL-3	NA	ND	ND	ND	ND	ND	3.9
PL-4	NA	ND	ND	ND	ND	ND	5.2
PL-5	NA	19,000	60	90	180	1,600	18
PL-6	NA	4,400	ND	ND	70	200	22
PL-7	NA	3,700	ND	80	80	490	4.8
PL-8	NA	2.4	ND	ND	ND	0.1	5.2

LEGEND:
- mg/kg = Milligram per kilogram
- TPHd = Total petroleum hydrocarbons as diesel
- TPHg = Total petroleum hydrocarbon as gasoline
- NA = Constituent not analyzed
- ND< = Not detected at or below the laboratory detection limit
- * = Reported as PLTK-5 in laboratory report

Detection Limits: Provided on laboratory reports

TABLE 4

ANALYTICAL RESULTS - 1992
TANK BOTTOM, PRODUCT PIPING, AND DISPENSER SAMPLES
ARCO FACILITY NO. 5201
15711 VICTORY BOULEVARD
VAN NUYS, CALIFORNIA
DELTA PROJECT NO. L092-823-A

SAMPLE	CONCENTRATIONS (mg/kg)						
	TPHd	TPHg	BENZENE	TOLUENE	ETHYLBENZENE	XYLENES	LEAD
PL-9	NA	8,000	ND	280	150	870	11
PL-10	NA	5	0.2	0.8	0.2	0.9	3.6
ETK-N	NA	9,000	ND	170	100	190	19
ETK-M	NA	1,300	ND	5.2	4	48	7.1
ETK-S	NA	9,600	45	75	10	500	22
CTK-N	NA	9,200	93	530	170	980	15
CTK-M	NA	18,000	ND	770	250	1,700	22
CTK-S	NA	5,210	24.1	108	84.8	498.9	ND
WTK-N	NA	22,000	210	1,100	330	1,800	12
WTK-M	NA	6,000	ND	220	120	860	5
WTK-S	NA	7297	64	391.4	166.3	1071.8	ND
DTK-N	NA	NA	0.08	ND	0.09	0.44	NA
DTK-M	ND	NA	NA	NA	NA	0.24	NA
DTK-S	ND	NA	ND	ND	ND	ND	NA
DTK-EW	ND	NA	ND	ND	ND	ND	NA

LEGEND:
mg/kg = Milligram per kilogram
TPHd = Total petroleum hydrocarbons as diesel
TPHg = Total petroleum hydrocarbon as gasoline
NA = Constituent not analyzed
ND< = Not detected at or below the laboratory detection limit
* = Reported as PLTK-5 in laboratory report
Detection Limits: Provided on laboratory reports

TABLE 4

ANALYTICAL SUMMARY - DIESEL DISPENSER OVEREXCAVATION
ARCO FACILITY Nº 5201
15711 VICTORY BOULEVARD
VAN NUYS, CALIFORNIA
DELTA Nº 45-92-823

SAMPLE	TPHd	BENZENE	TOLUENE	ETHYLBENZENE	XYLENES
	CONCENTRATION (mg/kg)				
DW-NW	ND	ND	ND	ND	ND
DW-NE	ND	ND	ND	ND	ND
DW-SW	11.	ND	ND	ND	ND
DW-SE	26.	ND	ND	.01	.12
DB-1	14,000.	ND	ND	1.8	24.
DB-2	ND	ND	.006	ND	.040
DK-1	160.	ND	ND	ND	0.029
DK-2	ND	ND	ND	ND	0.0065
DK-3	ND	ND	ND	0.025	0.15
DK-4	ND	ND	ND	0.016	0.17
DK-5	ND	ND	ND	ND	ND
DK-6‡	7,100.	ND	0.014	0.052	0.38
DK-7‡	520.	ND	0.015	0.18	1.5
DK-8‡	940.	ND	ND	0.015	0.18

TPHd = Total Petroleum Hydrocarbons as Diesel
mg/kg = milligram per kilogram
ND = Not Present Above the Stated Limit of Detection
‡ = Stockpile Samples Collected Following Dispenser overexcavation
Detection Limits: See Attached Data Sheets