SECOR

SECOR INTERNATIONAL INCORPORATED

www.secor.com

290 Conejo Ridge Avenue
Thousand Oaks, CA 91361
805-230-1266 TEL
805-230-1277 FAX

ATLANTIC RICHFIELD COMPANY QUARTERLY REPORT
Quarter 3, 2005 (October 15, 2005)

Station No:	5201	Address:	15711 Victory Boulevard., Los Angeles, CA

Atlantic Richfield Company Environmental Engineer/Phone No.:	Mr. Ray Vose / (818) 957-1755
Consulting Co./Contact Person/Phone No.:	SECOR / Mr. Gareth Roberts / (805) 230-1266 Ext. 240
SECOR Project No.:	37BP.05201.02
Primary Agency/Regulatory ID No.:	Los Angeles Fire Department / Monte Buckner / Facility ID# 17136
Other Agencies to Receive Copies:	N/A

WORK PERFORMED THIS QUARTER [Third - 2005]:

1. Prepared Quarterly Status Report.
2. Await LAFD response to *Request to Reconsider Closure Report* dated March 22, 2005.

WORK PROPOSED NEXT QUARTER [Fourth - 2005]:

1. Submit Quarterly Status Report and await LAFD Response to *Request to Reconsider Closure Report* dated March 22, 2005.

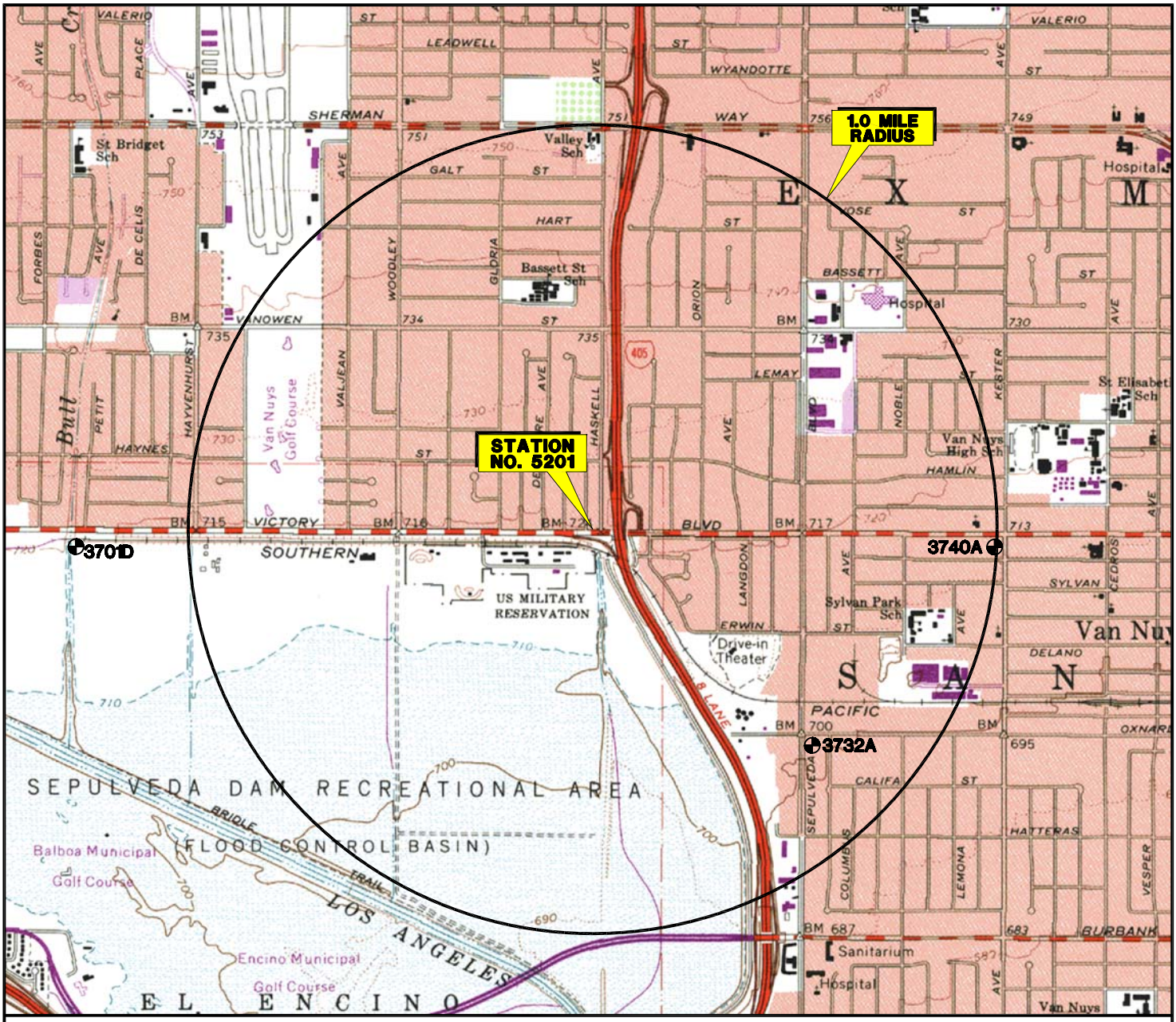
Current Phase of Project:	Assessment/Closure	(Assmnt, Remed. etc.)
Frequency of Sampling:	None	(Quarterly, etc.)
Frequency of Monitoring:	None	(Monthly, etc.)
Is Separate Phase Hydrocarbon Present On-site:	No	(Yes/No)
Cumulative SPH Recovered to Date:	N/A	(gallons)
SPH Recovered This Quarter:	None	(gallons)
Bulk Soil Removed to Date:	unknown	(cubic yards)
Bulk Soil Removed This Quarter:	0	(cubic yards)
Water Wells or Surface Waters w/I a One-Mile Radius & Their Respective Directions:	3732A – 4,000' SE	(Distance and Direction)
Current Remediation Techniques:	None	(SVES, SPH Removal, etc.)
Permits for Discharge:	None	(NPDES, POTW, etc.)
Approximate Depth to Groundwater	160 feet	(Measured Feet)
Groundwater Gradient:	Regionally S-SE	(Direction)
	N/A	(Magnitude)

Agency Directive Requirements: "Submit a Remedial Action Plan" – LAFD letter dated January 12, 2005

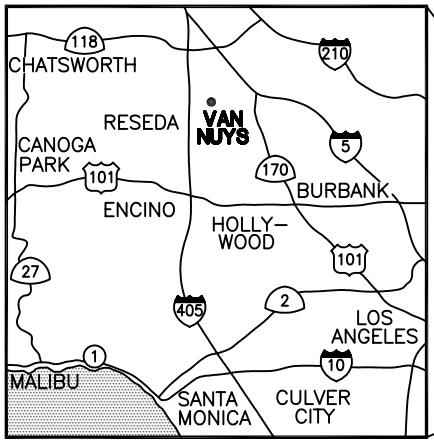
ATTACHED:

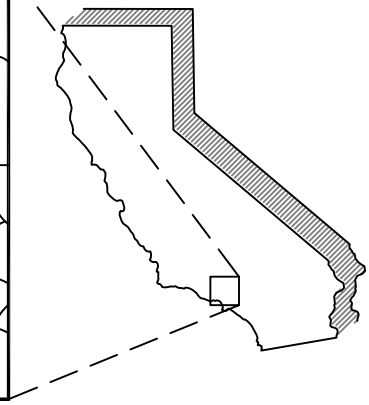
Figure 1 - Site Location Map Showing Observation Wells within a One-Mile Radius
Figure 2 - Site Map Showing Soil Boring Locations
Figure 3 - Site Map Showing Former Dispenser and Piping Sample Locations (December 2000)
Figure 4 – Site Map Showing Cross-Section Index
Figure 5 – Cross Section A-A'
Figure 6 – Cross Section B-B'
Figure 7 - Site Map Showing Hydrocarbon Concentrations in Soil
Table 1 - Summary of Soil Analytical Results
Appendix A - LAFD Correspondence

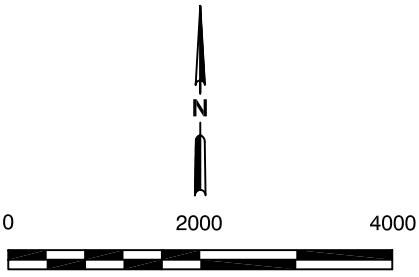
FIGURES



SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP, VAN NUYS QUADRANGLE, 1966
PHOTOREVISED 1972

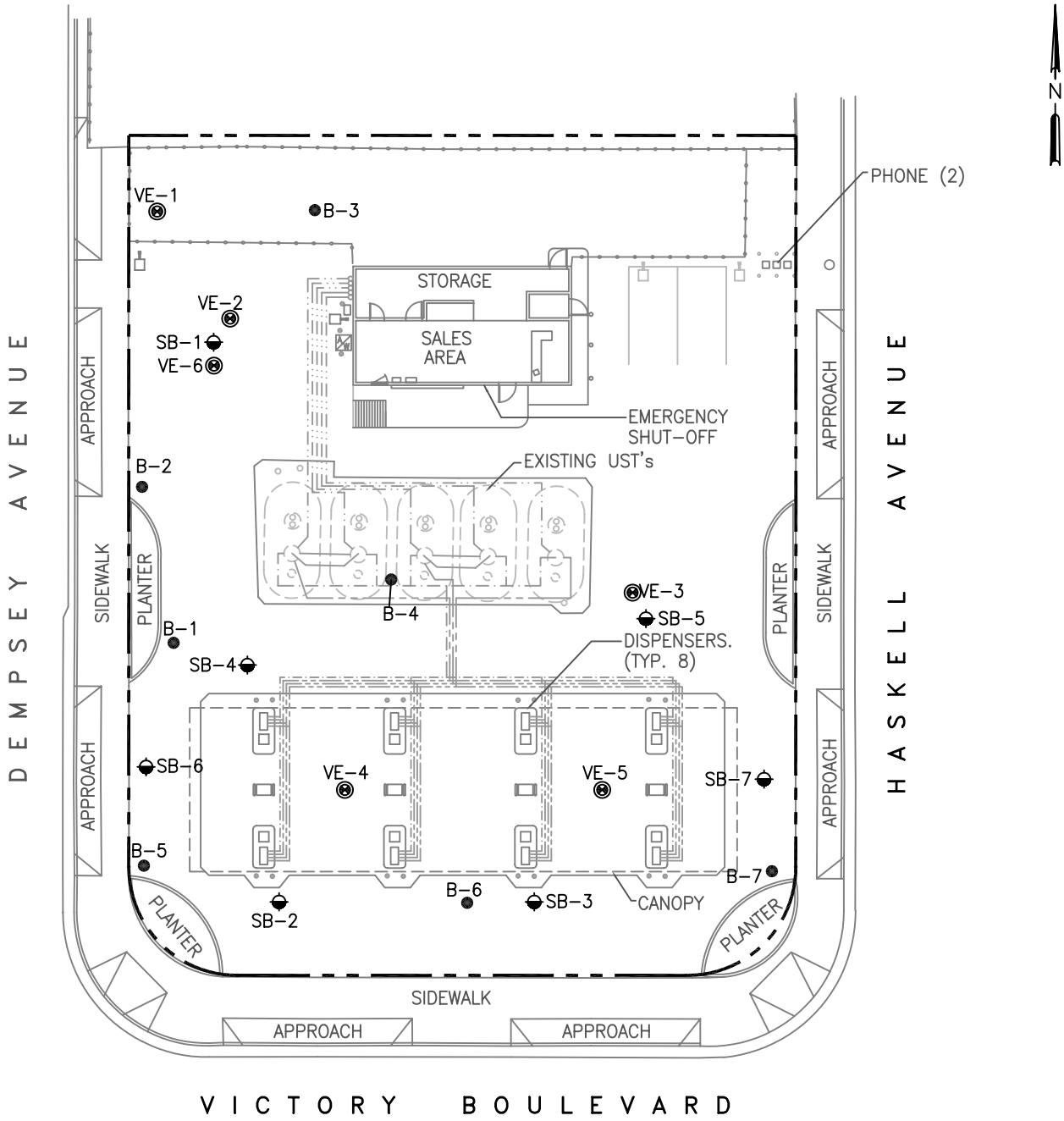






SECOR 290 Conejo Ridge Avenue, Suite 200 Thousand Oaks, CA 91361 (805) 230-1266/230-1277 (Fax)	FOR: ATLANTIC RICHFIELD COMPANY STATION NO. 5201 15711 Victory Boulevard Van Nuys, California		**SITE LOCATION MAP SHOWING WELLS INDENTIFIED WITH A ONE-MILE RADIUS**		FIGURE: **1**
	JOB NUMBER: 37BP.05201.00	DRAWN BY: RLE	CHECKED BY: G. Roberts	APPROVED BY: G. Roberts	DATE: 10/15/05

FILEPATH:M:\ARCO\5201 Van Nuys\Q3-05\5201-SLMR(GRID).dwg | rerdman | Sep 08, 2005 at 12:43 | Layout: SLMR



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)

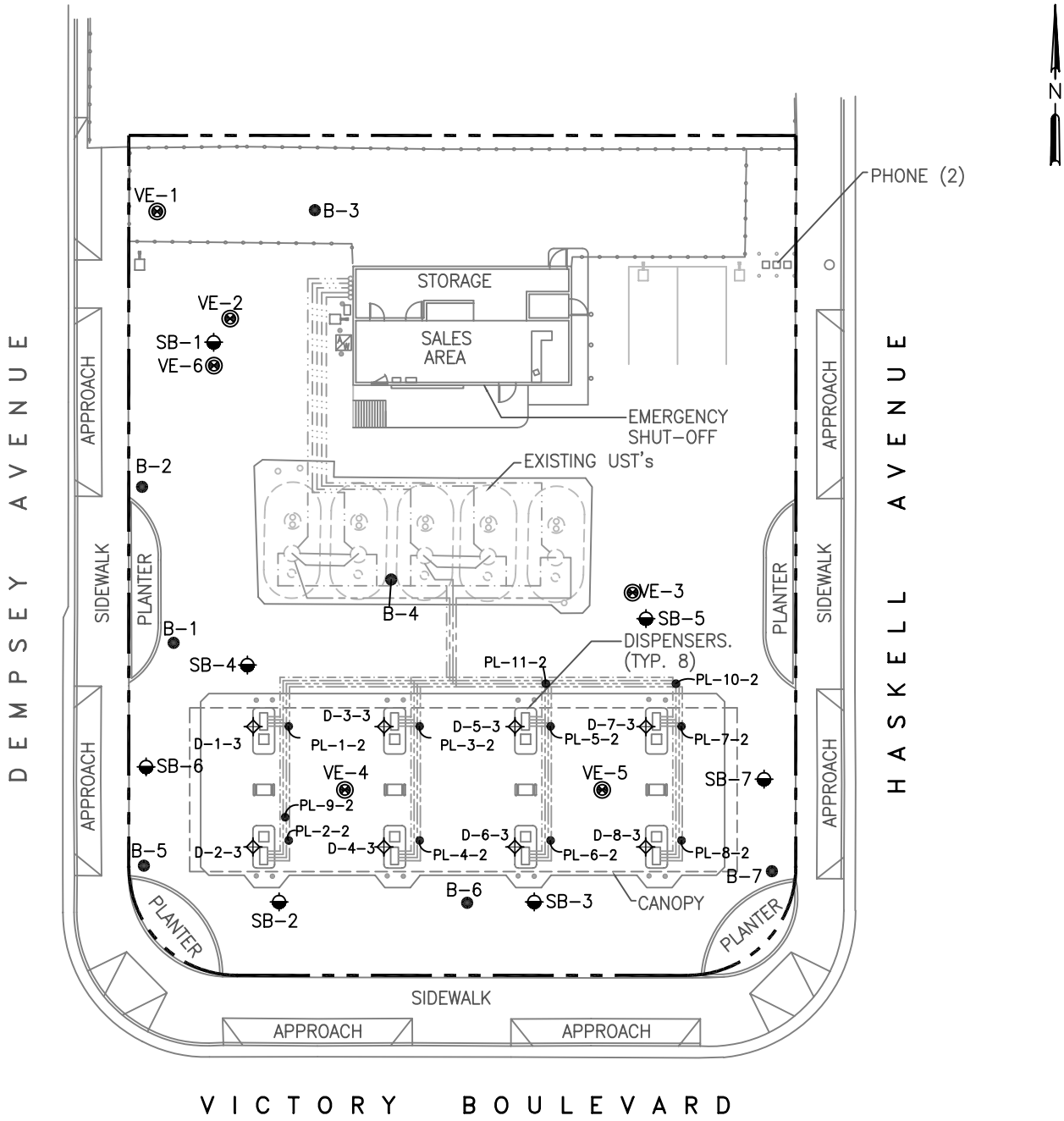
FOR:
ATLANTIC RICHFIELD COMPANY
STATION NO. 5201
15711 Victory Boulevard
Van Nuys, California

SITE MAP SHOWING SOIL BORING LOCATIONS

FIGURE: **2**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
37BP.05201.03.1078	RLE	J. Dasinger	G. Roberts	10/15/05

FILEPATH:M:\ARCO\5201 Van Nuys\Q3-05\5201-HYD.dwg|rerdman|Sep 08, 2005 at 12:44|Layout: SMSBL_FIG2



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)

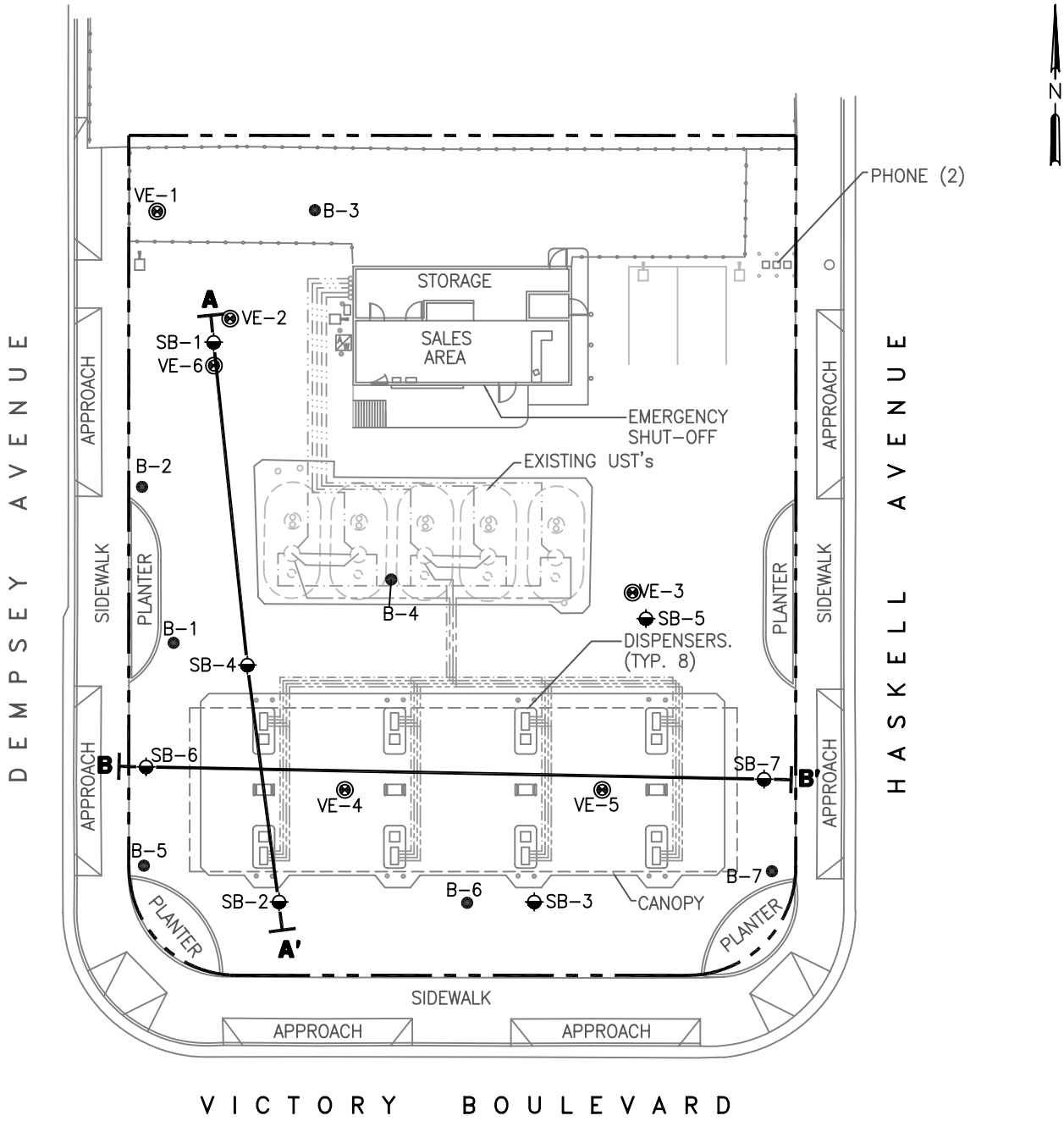
FOR:
ATLANTIC RICHFIELD COMPANY
STATION NO. 5201
15711 Victory Boulevard
Van Nuys, California

SITE MAP SHOWING FORMER DISPENSER AND PIPING SAMPLE LOCATIONS [DECEMBER, 2000]

FIGURE: **3**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
37BP.05201.03.1078	RLE	J. Dasinger	G. Roberts	10/15/05

FILEPATH:M:\ARCO\5201 Van Nuys\Q3-05\5201-HYD.dwg | rerdman | Sep 08, 2005 at 12:44 | Layout: FASM2_FIG3



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)

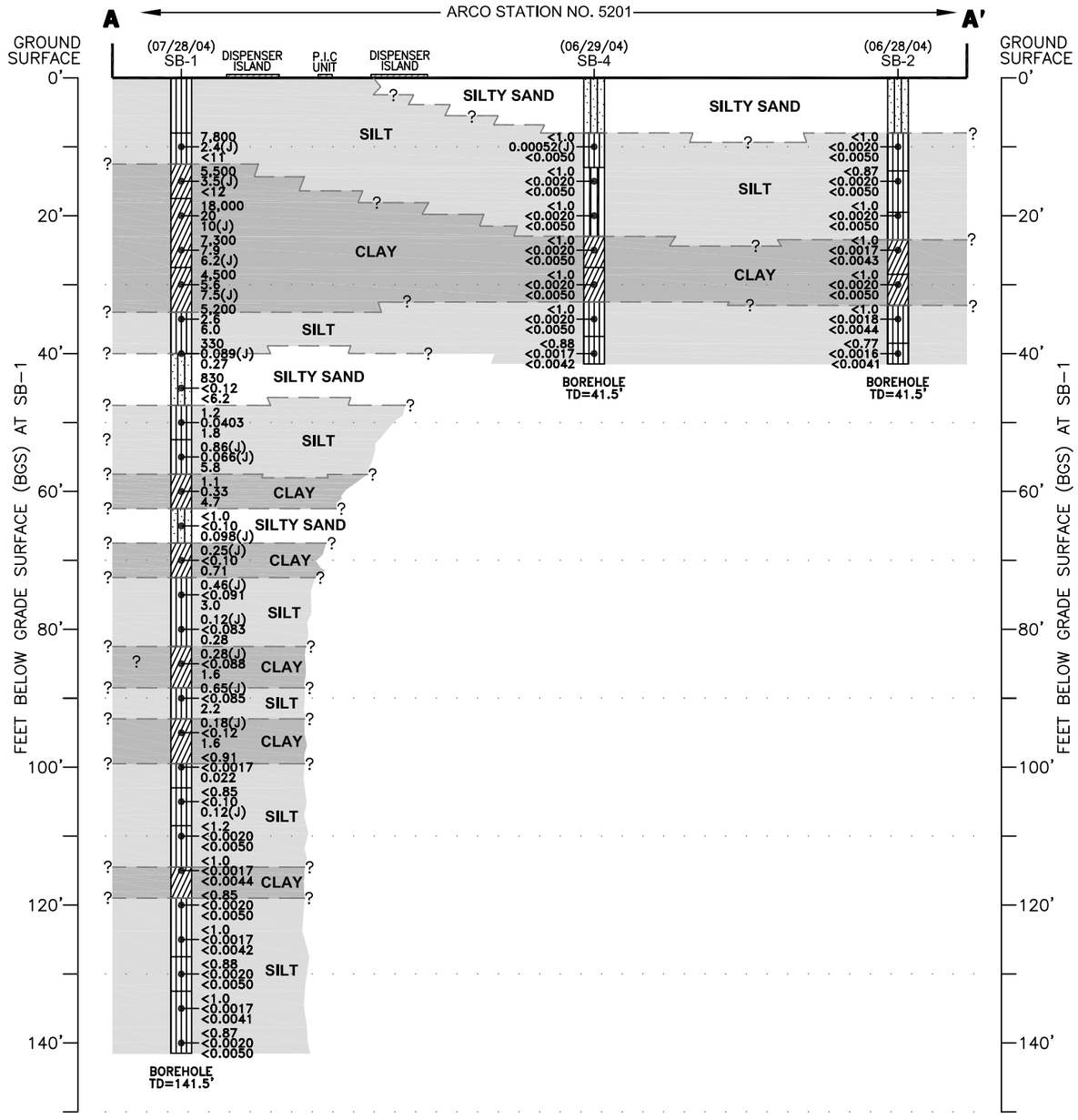
FOR:
ATLANTIC RICHFIELD COMPANY
STATION NO. 5201
15711 Victory Boulevard
Van Nuys, California

SITE MAP SHOWING CROSS-SECTION INDEX

FIGURE: **4**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
37BP.U5201.03.1082	RLE	G. Roberts	G. Roberts	10/15/05

FILEPATH:M:\ARCO\5201 Van Nuys\Q3-05\5201-CSX.dwg|rerdman|Sep 08, 2005 at 12:45|Layout: CSX



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)

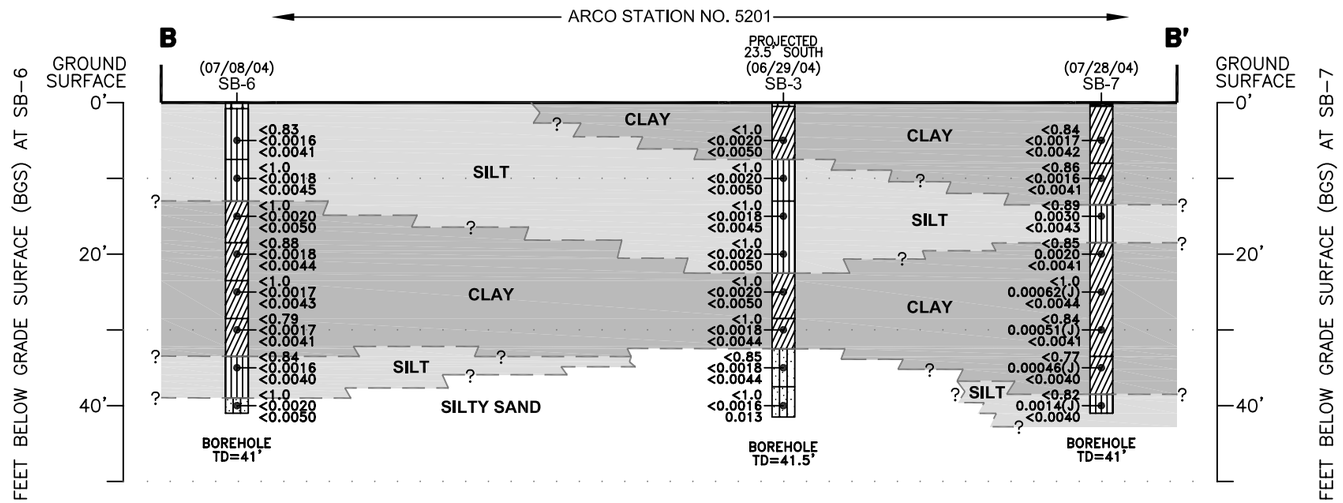
FOR:
ATLANTIC RICHFIELD COMPANY
STATION NO. 5201
15711 Victory Boulevard
Van Nuys, California

CROSS-SECTION A-A'

FIGURE: **5**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
37BP.U5201.03.1082	RLE	G. Roberts	G. Roberts	10/15/05

FILEPATH:M:\ARCO\5201 Van Nuys\Q3-05\5201-CSX.dwg | rerdman | Sep 08, 2005 at 12:46 | Layout: CSA



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	RLE	G. Roberts	G. Roberts	10/15/05

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

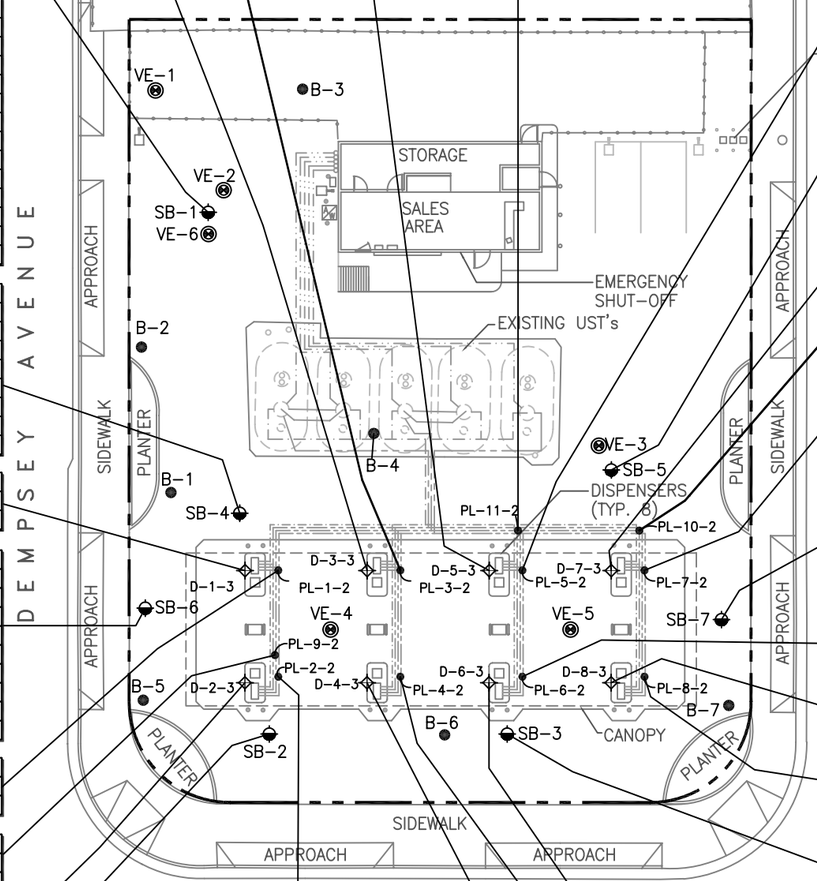
SAMPLE ID:	SB-2		SAMPLE DATE:	06/28/04
DEPTH	GRO	BENZ	MTBE	TBA
10'	<1.0	<0.0020	<0.0050	<0.050
15'	<0.87	<0.0020	<0.0050	<0.050
20'	<1.0	<0.0020	<0.0050	<0.050
25'	<1.0	<0.0017	<0.0043	<0.043
30'	<1.0	<0.0020	<0.0050	<0.050
35'	<1.0	<0.0018	<0.0044	<0.044
40'	<0.77	<0.0016	<0.0041	<0.041

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)

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	RLE	J. Dasinger	G. Roberts	10/15/05

FILEPATH:M:\ARCO\5201 Van Nuys\Q3-05\5201-HYD.dwg|rerdman|Sep 08, 2005 at 12:44|Layout: HYD_FIG7

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]	0.00048[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)

ATTACHMENT A

LAFD Correspondence

CITY OF LOS ANGELES

CALIFORNIA

BOARD OF
FIRE COMMISSIONERS

CORINA ALARCON
PRESIDENT

JAY H. GRODIN
VICE-PRESIDENT

ROLAND L. COLEMAN
LOUISE L. FRANKEL
TYRONE FREEMAN

BLANCA GOMEZ-REVELLES
EXECUTIVE ASSISTANT

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

RECEIVED JUN 2 4 2004

June 22, 2004

Mr. Raymond Vose
Atlantic Richfield
P.O. Box 8385
La Cresenta, CA 91224

Facility ID# 17136
RE: PERMIT# 11350-1

ARCO Station #5201
15711 Victory Boulevard
Van Nuys, California

Dear Mr. Vose:

The Fire Department has reviewed the Work Plan for Site Assessment Report dated March 19, 2003, as submitted by Secor International, Incorporated.

We are unable to approve your report regarding this site until we receive the following information:

- See attached drawing for revised approved boring locations.
- Provide detail drawing for vapor extraction/groundwater monitoring well.
- Note in your report that well installations require a permit from the Los Angeles County Department of Health.

Using the Site Address and Permit Number shown at the top of this letter, please label the title of your pending report to be submitted as " **ADDITIONAL REQUIREMENTS - SITE ASSESSMENT REPORT.**"

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

Failure to provide this information will delay the processing of this site.

If you require additional information from the Los Angeles Fire Department, please contact Inspector Monte Buckner of the Environmental Unit, at (213) 978-3627.

Very truly yours,

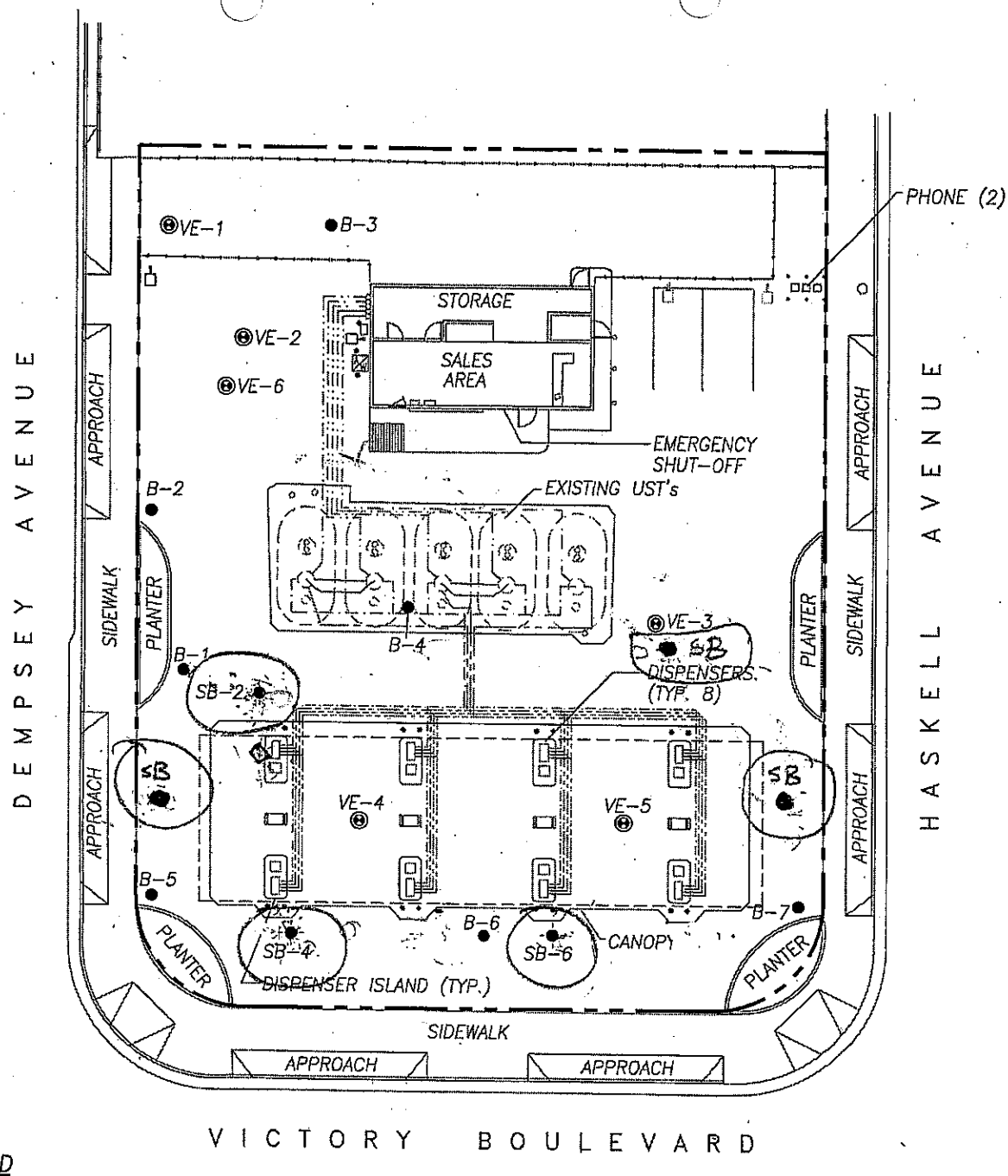
WILLIAM R. BAMATTRE
Fire Chief

Frank K. Comfort

Frank K. Comfort, Captain I
Commander, Environmental Unit

FKC:MB: kmr: 15711victorybl#11350-1

cc: Gareth Robert Secor International, Incorporated



LEGEND

- SITE PROPERTY LINE
- EXISTING PRODUCT PIPING
- EXISTING VAPOR RECOVERY PIPING
- EXISTING VENT PIPING
- VE-4 — SOIL VAPOR EXTRACTION WELL LOCATIONS
- SB-3 — PROPOSED SOIL BORING LOCATIONS
- B-3 — HISTORICAL SOIL BORING LOCATIONS

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 IN 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 PROPOSED AND HISTORICAL SOIL BORING LOCATIONS**		FIGURE: **2**
	JOB NUMBER: 37BP.05201.02.0134	DRAWN BY: R. Roman	CHECKED BY: J. Dasinger	APPROVED BY: G. Roberts	DATE: 03/16/04

M:\ARCO\5201\Report_3-04

5201_NNP.DWG / PBL_FIG2 (LAYOUT)

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: 6/22/2004

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

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

Addt'l Requirements - Workplan for Site Assessment

LAFD Facility I.D. No. 17136

LAFD Division 5 Permit No. 11350

Site/Facility Name: ARCO Station #5201

Site Address: 15711 Victory Boulevard **City/State/Zip: Van Nuys, CA, 91406**

Site Facility Description: Gasoline Service Station

Tank Owner/Tank Operator/Responsible Party Contact Information	**Consultant Information**
Contact Name and Title:	**Contact Name and Title:**
Contact Phone No.	**Contact Phone No.**
Company Name:	**Company Name:**
Company Address:	**Company Address:**
City/State/Zip: Los Angeles, CA,	**City/State/Zip: Los Angeles, CA,**