0.3

ALL ENVIRONMENTAL, INC.
Environmental Engineering & Construction

ALCO
HAZMAT

94 MAY 25 AM 11:52

May 24, 1994

Mr. R. N. Stefan
La Mirada Association
18 Sunnyside Lane
Orinda, CA 94563

Dear Mr. Stefan:

Re: **Soil Boring and Monitoring Well Installation**
5965 Dougherty Road, Dublin

We are enclosing one copy of the Final Report covering the soil boring and groundwater well installation at 5965 Dougherty Road, Dublin. We are also forwarding a copy of the report to Ms. Eva Chu, Department of Environmental Health in Oakland.

Sincerely,

G. W. Roy

c.c. E. Chu, Dept. of Env. Health, Oakland, CA.

QMR, analyze for TPH-G, TPH-D & BTEX, next sampling in Jun/July

Corporate Headquarters:
2641 Crow Canyon Rd., #5
San Ramon, CA 94583
(510) 820-3224

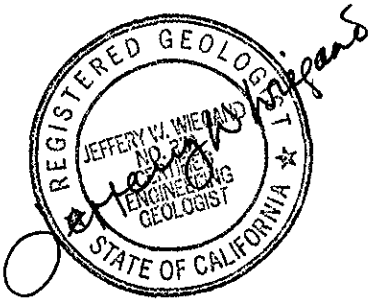
Los Angeles Office:
5031 Pacific Coast Hwy., #178
Torrance, CA 90505
(310) 328-8878

FINAL REPORT

SOIL BORING AND MONITORING WELL INSTALLATION
5965 Dougherty Road
Dublin, CA 94568

Prepared For

La Mirada Association
18 Sunnyside Lane
Orinda, CA 94563



Prepared By

All Environmental, Inc.
2641 Crow Canyon Road, Suite 5
San Ramon, CA 94583

May 19, 1994

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1.0 INTRODUCTION

All Environmental, Inc. (AEI) was contracted by La Mirada Association to conduct soil and groundwater investigations at 5965 Dougherty Road in Dublin, CA. AEI previously removed one 10,000 gallon diesel underground storage tank and one 2,000 gallon gasoline underground storage tank from this site. Samples taken at the time of the tank removal showed hydrocarbon contamination in the soil and groundwater from the excavation, necessitating this investigation. AEI issued a Final Report dated December 3, 1993, covering the tank removal (Ref. 1).

AEI prepared a Work Plan (Ref. 2) to cover the soil and groundwater investigation. This was approved by the Alameda County Health Care Services Agency prior to initiation of the work. A copy of the letter from the county is included in Appendix A, Permits and Notifications.

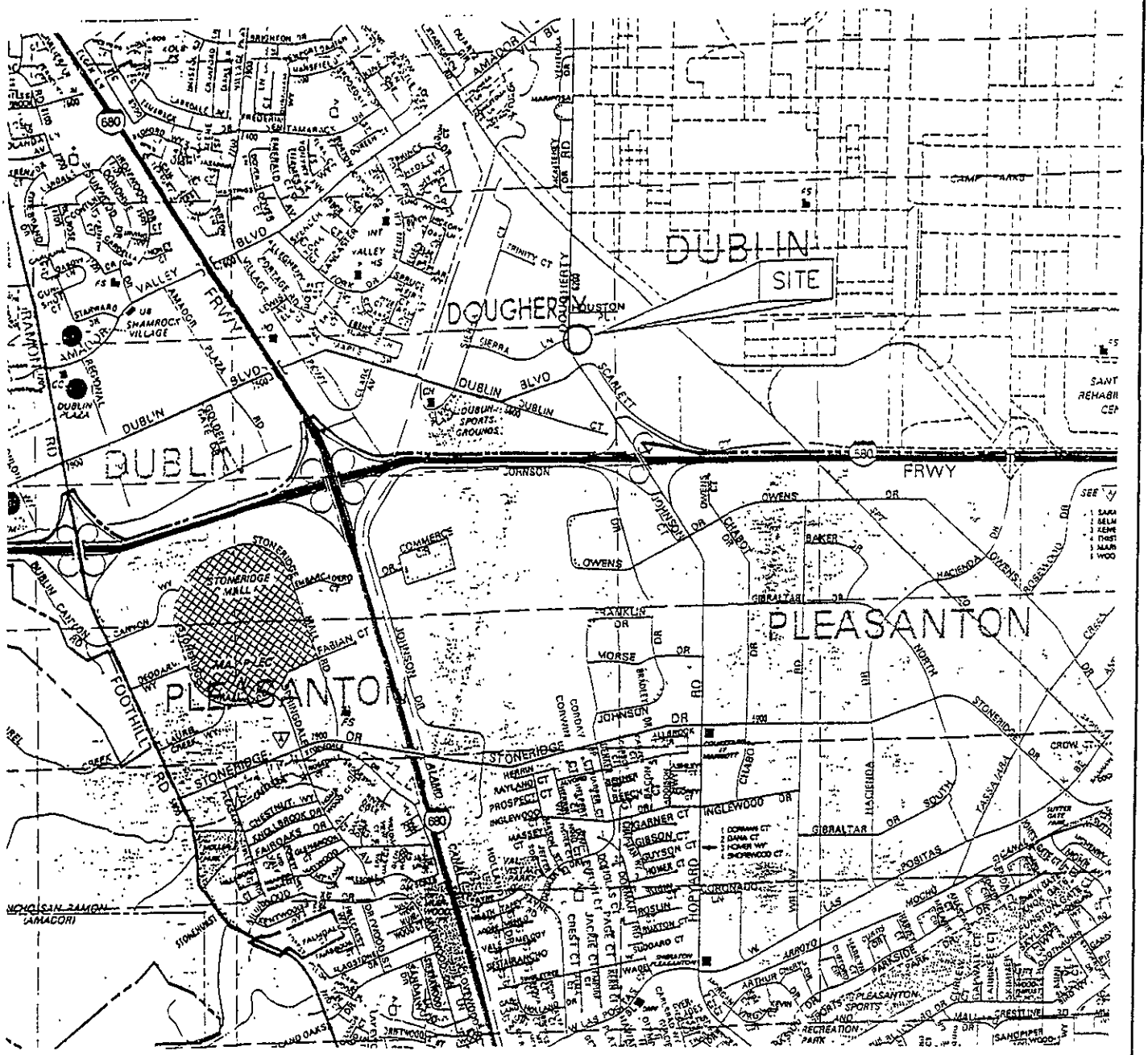
2.0 SITE DESCRIPTION

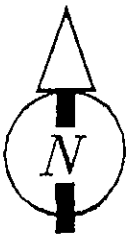
The site is located less than 1/2 of a mile north of Interstate 580 and less than 1 mile east of Interstate 680 in Dublin, in the San Ramon Valley region of California. (Figure 1: Site Location Map). The topography of the site is relatively flat. The nearest surface water is Alamo Canal, located approximately 2,200 feet to the west.

The property is located on the east side of Dougherty Road near the Dougherty Road/Sierra Lane intersection. One building is located on the property, which contains both a supply warehouse and a supply store with offices. There is a fenced supply yard behind the building which previously contained two underground storage tanks. (Figure 2: Site Map)

3.0 GEOLOGY

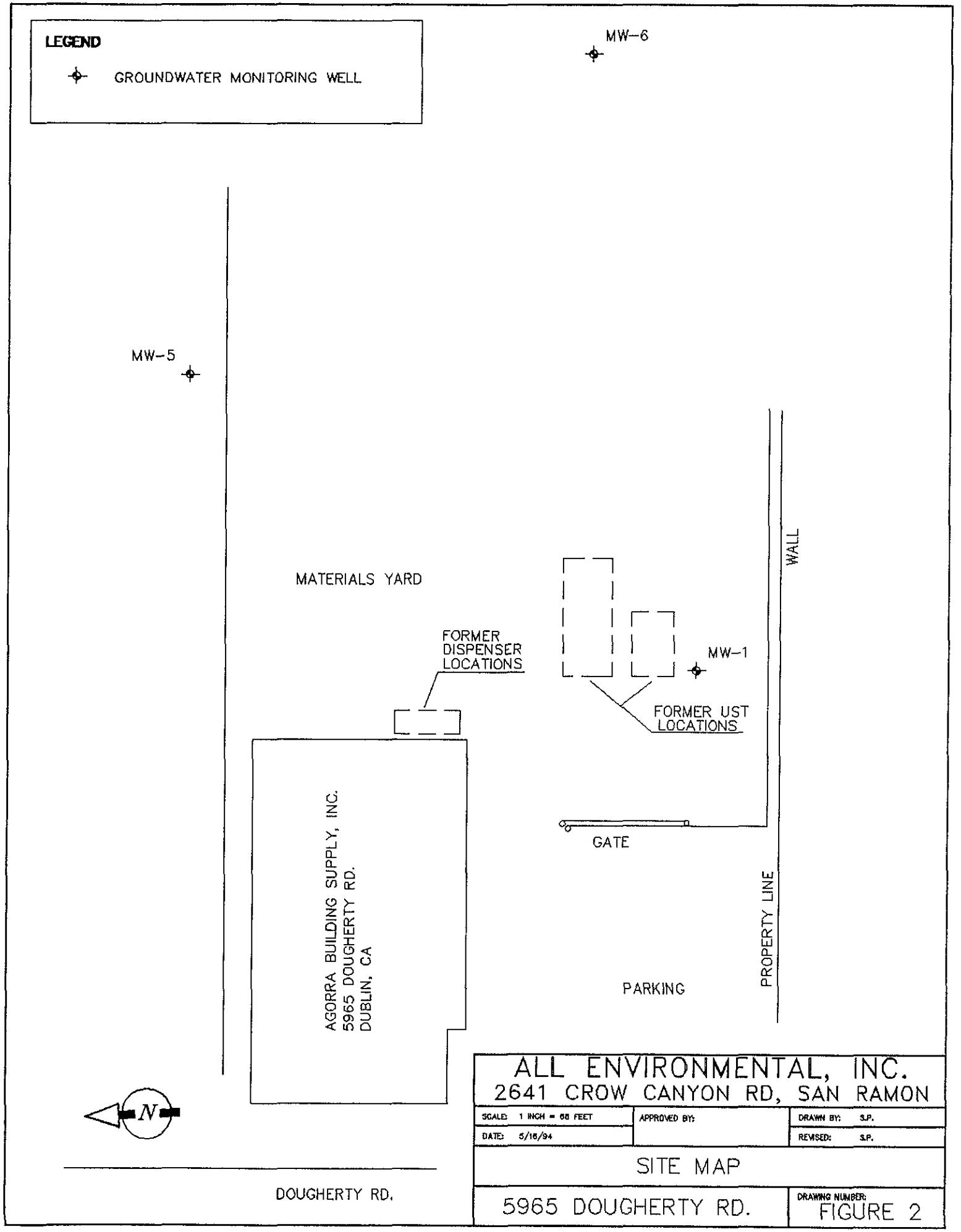
The site is located on semi-consolidated and unconsolidated Quaternary alluvium which was deposited in lake, playa, and stream environments in the San Ramon Valley. Quaternary alluvium is composed primarily of clay, silt, sand and gravel. The elevation of groundwater in the vicinity has been reported to be between 320 and 330 feet above mean sea level (Killingsted 1988, pers. comm.), although thin lenses of perched water bearing permeable sands and gravels can be found at depths as shallow as 9′ below grade. Groundwater flow is generally to the southwest.





From Thomas Bros. Map – 1992

ALL ENVIRONMENTAL, INC. 2641 CROW CANYON RD, SAN RAMON		
SCALE: 1 INCH = 2200 FEET	APPROVED BY:	DRAWN BY: S.P.
DATE: 1/14/94		REVISED: S.P.
SITE LOCATION MAP		
5965 DOUGHERTY ROAD		DRAWING NUMBER: FIGURE 1



ALL ENVIRONMENTAL, INC.
2641 CROW CANYON RD, SAN RAMON

SCALE: 1 INCH = 60 FEET	APPROVED BY:	DRAWN BY: S.P.
DATE: 5/16/94		REVISED: S.P.

SITE MAP

5965 DOUGHERTY RD.

DRAWING NUMBER: FIGURE 2

4.0 PERMITS and NOTIFICATIONS

A permit was obtained from Zone 7 Water Agency for installation of one groundwater monitoring well. A copy is included in Appendix A, Permits and Notifications, along with a copy of the letter from the

5.0 WELL CONSTRUCTION

A groundwater monitoring well was drilled and installed on March 24, 1994, using a hollow stem auger drill. Drilling proceeded to a depth of 20.5 ft. with soil samples taken every 5 ft. Boring logs were maintained by a registered geologist, J. Wiegand. These are presented in Appendix B, Boring And Well Completion Logs.

Two inch flush threaded PVC well casing was installed through the auger to total depth. The bottom 15 ft. was 0.020" slotted well screen with a flush threaded bottom cap. No. 3 Monterey sand was poured through the auger from total depth to 1 to 2 ft. above the slotted well screen. Approximately 1 ft. of medium bentonite pellets was placed above the sand and hydrated with tap water. The remainder of the boring was filled to near grade with neat cement grout. A flush-mounted traffic rated well cover was installed over the casing, and a locking, water-tight inner cap was placed on the casing to complete the installation.

Soil excavated by the augers was placed in DOT 17H 55 gallon drums which were labelled and stored on site pending analysis and proper disposal. The augers and down-hole tools were steam cleaned prior to drilling and again on completion. Steam cleaning water and sampling decontamination rinsates were contained in labeled drums and stored on site pending analysis and proper disposal.

6.0 SOIL SAMPLING

Undisturbed soil samples were taken at approximately 5 ft. intervals during drilling. A 2 inch ID split spoon sampler with 140 lb. down-hole drop hammer was advanced ahead of the auger tip by successive blows from the hammer with a 30 inch drop. Blow counts per six inch travel were recorded. The samples were collected into precleaned 2" by 6" stainless steel liners within the split spoon, and used for field classification of the soil. Selected sample tubes were sealed with aluminum foil, plastic caps and duct tape, for possible laboratory analysis.

Soil sampling equipment was decontaminated prior to each use with a TSP solution and rinsed with tap water in plastic buckets.

Decontamination water was placed into labeled drums for proper disposal.

In response to a request from the County, a soil sample was taken from the area of the dispenser. This was secured from approximately 5 ft. depth using a hand auger and 2" by 6" stainless steel sample tube. The tube was sealed with aluminum foil, plastic caps and duct tape.

The samples were placed in an ice chest and transported under chain-of-custody procedures to Priority Environmental Labs, a State certified analytical laboratory, for analysis.

7.0 WELL DEVELOPMENT AND SAMPLING

The well was developed on May 3, 1994, by surging, bailing and pumping groundwater into labeled drums until reasonably clear.

On May 9, 1994, depth to groundwater was measured using a level indicator, the well was purged of approximately 10 gallons of water, allowed to recharge 100%, and a sample taken using a clean disposable bailer. Water was poured from the bailer into an amber liter bottle and two 40 ml vials until no head space remained and a positive meniscus was formed. The samples were labeled and placed on ice in an ice chest for transport to Priority Environmental Labs under chain of custody for analysis.

Groundwater sampling equipment was decontaminated prior to use and upon completion of sampling by rinsing with TSP solution and tap water. Rinse waters were placed into labeled drums for proper disposal.

The Groundwater Well Sampling Field Log is included in Appendix B, Boring and Well Logs.

8.0 SAMPLE ANALYSES

Two soil samples from the groundwater monitoring well boring (MW-1 Sample 1 & 3), and one from the dispenser (Dispenser 5'), were sent for analysis. All samples were analyzed for TPH Gasoline (EPA Method 5030/8015), Benzene, Toluene, Ethyl Benzene and Total Xylenes (BTEX) (EPA Method 8020), and Lead (EPA Method 7420). MW-1 Sample #3 and Dispenser 5' were also analyzed for TPH Diesel (EPA Method 3550/8015). The well boring samples both analyzed ND for all constituents except lead which showed background levels. The Dispenser sample had moderate contamination from TPH Diesel, Toluene, Ethyl Benzene, Total Xylenes, and background level lead.

The single groundwater sample (MW-1) was analyzed for TPH

Gasoline (EPA Method 5030/8015), TPH Diesel (EPA Method 3510/8015) and BTEX (EPA Method 602). All constituents analyzed ND.

Analytical results are listed in the following table:

Table 1 - Soil and Water Sample Analyses

Sample ID	TPHG mg/Kg	TPHD mg/Kg	Benz. ug/Kg	Tol. ug/Kg	Et.Ben ug/Kg	Xylene ug/Kg	Lead mg/Kg
MW-1#1	ND	---	ND	ND	ND	ND	8.0
MW-1#3	ND	ND	ND	ND	ND	ND	3.6
Disp5'	ND	64	ND	36	54	73	12.
Water	**TPHG ug/L**	**TPHD ug/L**	**Benz. ug/L**	**Tol. ug/L**	**Et.Ben ug/L**	**Xylene ug/L**	
MW-1	ND	ND	ND	ND	ND	ND	

mg/Kg and mg/L = ppm
ug/Kg and ug/L = ppb
ND = not detected
--- = not analyzed

Laboratory results and chain of custody documents are included in Appendix C, Analytical Results.

9.0 GROUNDWATER GRADIENT

Three wells were used to determine groundwater gradient, one on an adjoining property (MW-5), one on the site installed by others (MW-6), and the new well installed by AEI (MW-1). These are shown on Figure 2: Site Map.

R. C. Miller, LS.,PE., established the top of casing elevation for the new well in relation to the existing well on site and the wells on the adjacent site. These are listed below. A copy of R. Miller's report is included in Appendix B, Boring and Well Logs.

Well ID	Well Elevation - Ft. Above Mean Sea Level
MW-1	332.938 ft. - Top of Casing
MW-5	332.448 ft. - "X" on Cover Rim

MW-6 332.633 ft. - "X" on Cover Rim

Depth to water measurements were taken on 5/9/94, resulting in the following groundwater elevations:

Well ID	GW Elevation - Ft. Above Mean Sea Level
MW-1	323.898 ft.
MW-5	324.108 ft.
MW-6	324.233 ft.

Groundwater flow direction is Southwest as shown on Figure 3. The gradient is approximately 0.14 ft/100 ft or 0.001 ft/ft. This will result in very slow groundwater flow, which will probably cause any contaminants to spread laterally in addition to moving with the groundwater. Thus MW-1 should pick up contamination if any exists from the previous tank installation.

10.0 CONCLUSIONS AND RECOMMENDATIONS

AEI completed limited soil and groundwater monitoring on 3/24/94 and 5/9/94 as follow up to the removal of an underground gasoline tank and an underground diesel tank in October and November, 1993. A 2" groundwater monitoring well was installed downgradient from the underground tanks. Soil samples from the well boring showed no contamination from hydrocarbons. A groundwater sample from the new well showed no contamination from hydrocarbons.

A soil sample taken from the dispenser area 5 ft. below grade showed moderate contamination from TPH Diesel, Toluene, Ethyl Benzene and Xylene.

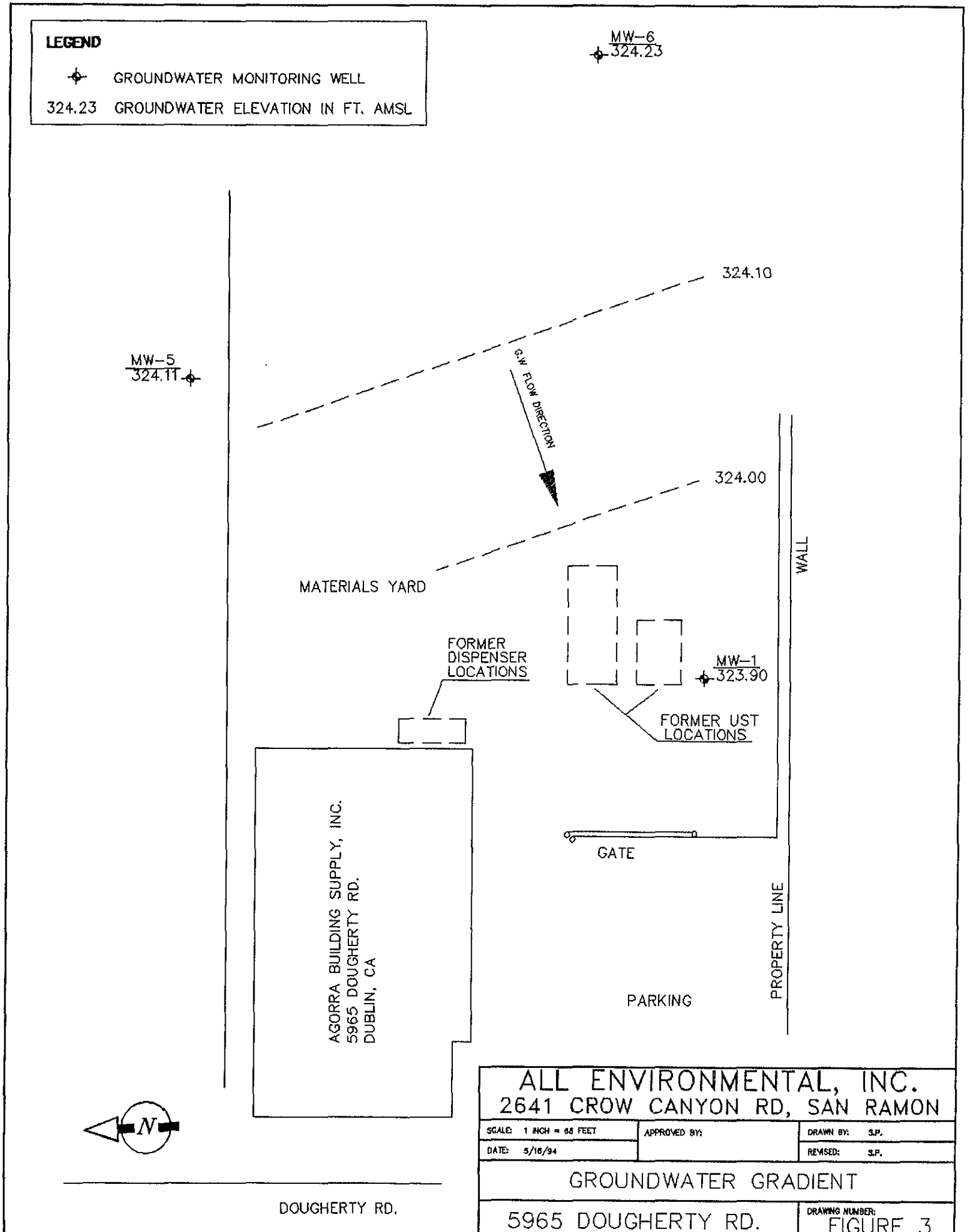
Both the current samples and those taken at tank removal show the soil to be essentially free of contamination. The groundwater sample shows that groundwater has not been impacted. Confirmation of this finding in subsequent groundwater sampling should enable discontinuance of sampling and site closure.

11.0 REFERENCES

The following reports provide additional details regarding this site and the completed to date:

1. Underground Storage Tank Removal - Final Report - dated December 3, 1993, prepared by All Environmental, Inc.

2. Soil Boring and Monitoring Well Installation Work Plan - dated January 13, 1994, prepared by All Environmental, Inc.



ALL ENVIRONMENTAL, INC.
2641 CROW CANYON RD, SAN RAMON

SCALE: 1 INCH = 60 FEET	APPROVED BY:	DRAWN BY: S.P.
DATE: 5/18/94		REVISED: S.P.

GROUNDWATER GRADIENT

5965 DOUGHERTY RD.

DRAWING NUMBER: FIGURE 3

12.0 REPORT LIMITATIONS

This report presents a summary of work completed by All Environmental, Inc., including observations and descriptions of site conditions. Where appropriate, it includes analytical results for samples taken during the course of the work. The number and location of samples are chosen to provide required information, but it cannot be assumed that they are entirely representative of all areas not sampled. All conclusions and recommendations are based on these analyses, observations, and governing regulations. Conclusions beyond those stated and reported herein should not be inferred from this document.

AEI warrants that all services were performed in accordance with the generally accepted practices in the environmental engineering and construction field which existed at the time and location of the work.

APPENDIX A

PERMITS and NOTIFICATIONS

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

StID 4107

January 31, 1994

Mr. Steve Penshorn
All Environmental
2641 Crow Canyon Rd., Ste. 5
San Ramon, CA 94583

Subject: Workplan Approval for 5965 Dougherty Rd., Dublin 94568

Dear Mr. Penshorn:

I have completed review of All Environmental's January 1994 Soil Boring and Monitoring Well Installation Work Plan for the above referenced site. The plan to install one downgradient monitoring well from the former underground storage tank pit is acceptable with the following changes/additions:

1. Provide a site plan showing location and distance of other existing monitoring wells from the proposed well which will be used to confirm gradient direction.

2. Soil samples from the soil boring should also be collected with change in lithology or where obvious soil contamination is noted.

3. Soil collected from the capillary fringe should also be analyzed for TPH-D, in addition to TPH-G and BTEX.

4. The well should not be developed earlier than 72 hours after completion of well installation.

Field activities should commence **within 45 days of the date of this letter.** Please notify this office 72 hours prior to the start of field work. If you have any questions, I can be reached at (510) 271-4530.

Sincerely,

eva chu
Hazardous Materials Specialist

cc: R. N. Stefan, La Mirada Association, 18 Sunnyside Ln.
Orinda, CA 94563
files

stefan2

ZONE 7 WATER AGENCY

5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588 VOICE (510) 484-2600
FAX (510) 462-3914

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 5965 Dougherty Road
Dublin, CA 94568

CLIENT
Name La Mirada Association
Address 18 Sunnyside Lan Voice (510)254-5869
City Orinda Zip 94563

APPLICANT
Name All Environmental, Inc.
Steve Penshorn Fax (510)820-3224
Address 2641 Crow Canyon Voice 820-3224
City San Ramon Zip 94583

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection	___	General	___
Water Supply	___	Contamination	X
Monitoring	X	Well Destruction	___

PROPOSED WATER SUPPLY WELL USE
Domestic ___ Industrial ___ Other ___
Municipal ___ Irrigation ___

DRILLING METHOD:
Mud Rotary ___ Air Rotary ___ Auger X
Cable ___ Other ___

DRILLER'S LICENSE NO. 554979

WELL PROJECTS
Drill Hole Diameter 10.5 in. Maximum
Casing Diameter 2.0 in. Depth 30 ft.
Surface Seal Depth 15 ft. Number 1

GEOTECHNICAL PROJECTS
Number of Borings ___ Maximum
Hole Diameter ___ in. Depth ___ ft.

ESTIMATED STARTING DATE 3/21/94
ESTIMATED COMPLETION DATE 3/21/94

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE L. J. Penshorn Date 3/11/94

FOR OFFICE USE

PERMIT NUMBER ___
LOCATION NUMBER ___

PERMIT CONDITIONS

Circled Permit Requirements Apply

A. GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well Projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER WELLS, INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

C. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

D. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

E. WELL DESTRUCTION. See attached.

Approved ___ Date ___

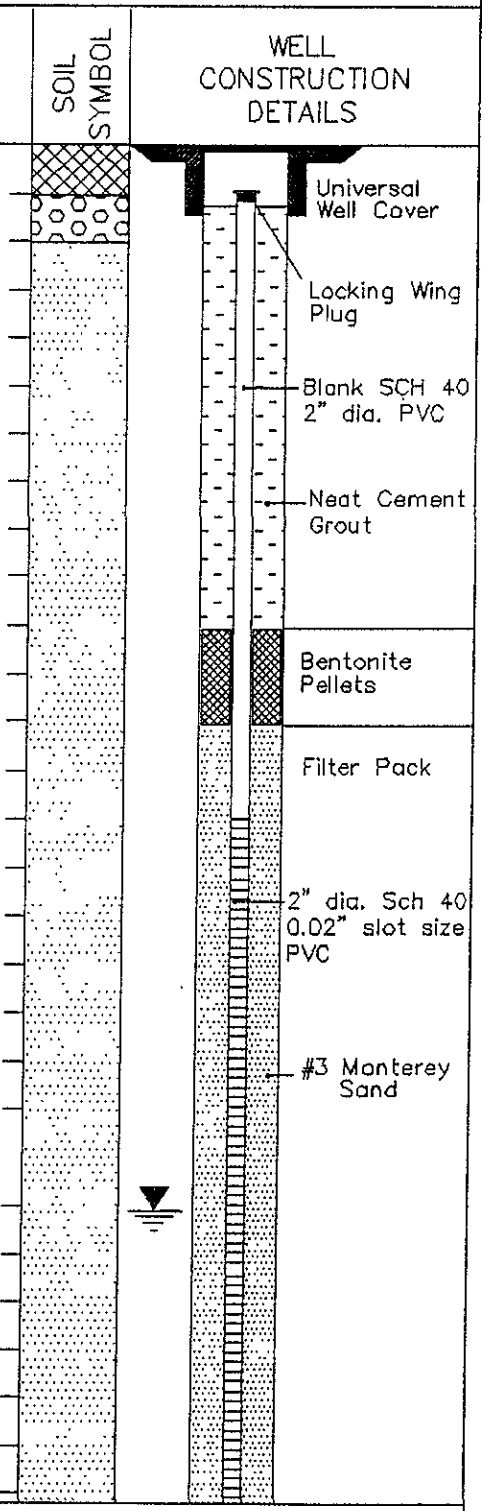
91992

APPENDIX B

BORING and WELL LOGS

PROJECT: LA MIRADA		Log of Well No. MW-1	
BORING LOCATION:	5965 DOUGHERTY ROAD	RELATIVE ELEVATION, TOC: NONE	
DRILLING CONTRACTOR:	WEST HAZ MAT	DATE STARTED: 3/24/94	DATE FINISHED: 3/24/94
DRILLING METHOD:	4.25" I.D. X 8" O.D. HSA	TOTAL DEPTH: 20.5'	SCREEN INT: 20.5–7'
DRILLING EQUIPMENT:	MOBIL DRILL B-57HD	DEPTH TO WATER: 11' TOC	CASING: 2" SCH. 40 PVC
SAMPLING METHOD:	2" I.D. SPLIT SPOON, SS TUBES	LOGGED BY: J. WIEGAND	
HAMMER WEIGHT: 140 lbs.	DROP: 30"	RESPONSIBLE PROFESSIONAL: G. ROY	

DEPTH (FEET)	SAMPLES: SAMPLE NO.	SAMPLES: SAMPLE	SAMPLES: BLOWS/FOOT	DESCRIPTION
				Surface Elevation
				CONCRETE PAVEMENT
1				BASE – GRAVEL, SAND
2				STIFF WET DARK GRAY SILTY CLAY – (CL)
3				NO HC ODOR
4				
5			6	
6	S-1		12	STIFF WET DARK GRAY CLAY (CH)
			14	NO HC ODOR
7				
8				
9				
10			8	
11	S-2		10	AT 10.5' COLOR CHANGES FROM GRAY TO BROWN
			15	NO HC ODOR
12				
13				
14				



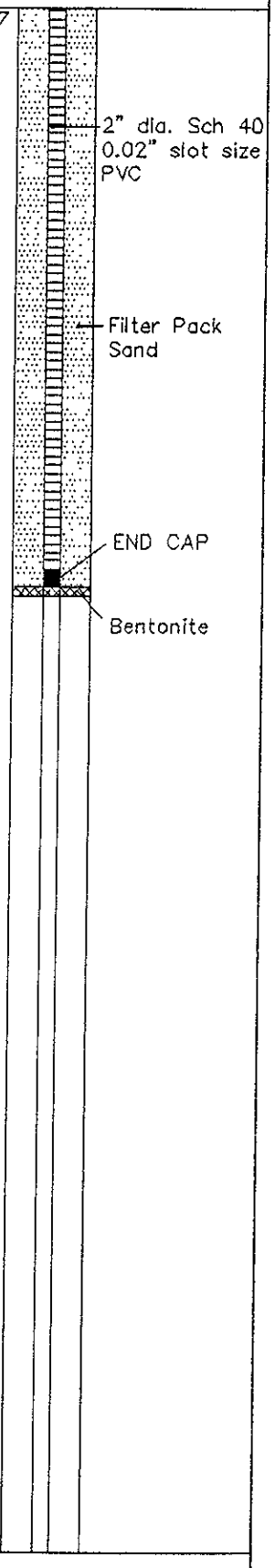
ALL ENVIRONMENTAL, INC.

PROJECT NO. 1043

PROJECT: LA MIRADA

Log of Well No. MW-1

DEPTH (FEET)	SAMPLES: SAMPLE NO.	SAMPLES: SAMPLE	SAMPLES: BLOWS/FOOT	DESCRIPTION	SOIL SYMBOL	WELL CONSTRUCTION DETAILS
				Surface Elevation		
15	S-3		6			
			8	NO HC ODOR		
			10			
16				AS BEFORE - GRAYISH TAN		
17						
18						
19			8			
	S-4		12			
20			16	NO HC ODOR		
21				DENSE SAT MED BN CLAYEY MF SAND (SC)		
22				TD 20.5'		
23						
24						
25						
26						
27						
28						
29						
30						
31						



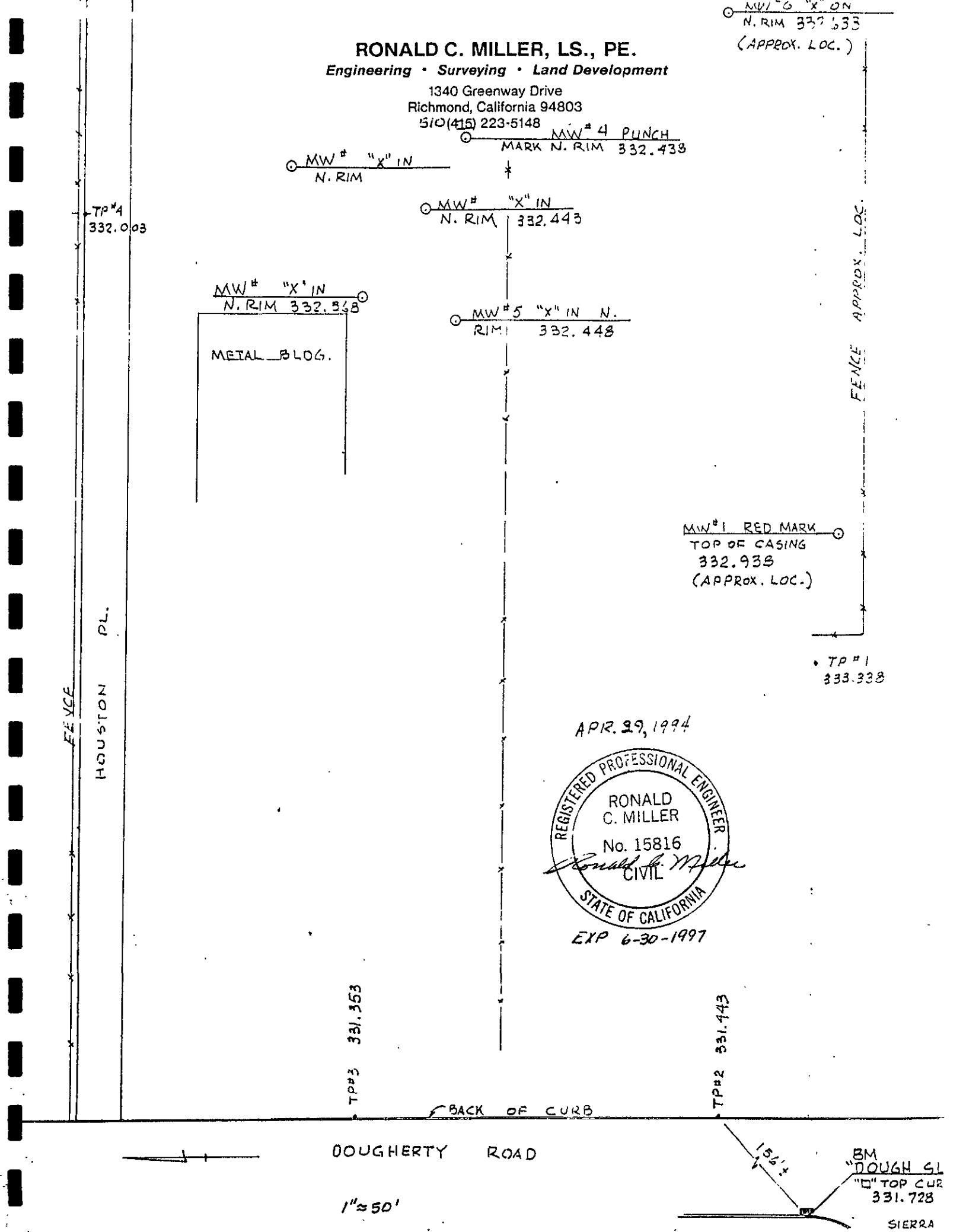
ALL ENVIRONMENTAL, INC.

PROJECT NO. 1043

ALL ENVIRONMENTAL, INC., GW WELL SAMPLING FIELD LOG

PROJECT	
Project Name and Job #	La Mirada Association Job #1043
Project Address	5965 Dougherty Road
	Dublin, CA
Date of Sampling and Name of Sampler	May 9, 1994 Steve DeHope
GW MONITORING WELLS	
Well No. (Designation) and Diameter	MW - 1 2" Diameter
Seal at Grade - Type and Condition	Portland Cement - Good
Well Cap - Type and Condition	Locking Expanding Cap - Water Tight
Elevation of Top of Casing - Ft. Above MSL	332.938
Depth of Well - Ft.	20.0
Depth to Water - Ft.	9.04
Groundwater Elevation - Ft Above MSL	323.898
Floating Product - in.	None
Required GW Purge Before Sampling - Gal.	9 gals.
Actual GW Purge Before Sampling - Gal.	10 gals.
Appearance of Purge Water	Slightly Turbid - Clearing
GW MONITORING SAMPLES	
No. of Samples and Type of Containers	One 1 Liter Bottles, Two 40 ml VOA Vials
GW Temp. and pH	63.1 F 7.62 pH
GW Conductivity	6280 uS/cm
Appearance of GW Samples	Nearly Clear
Samples Iced and Chain of Custody?	Yes/Yes
Sampling Equipment	Submersible Pump for Purge, Disposable Bailer for Sample
Equipment Cleaned Between Samples?	Yes - TSP Wash with Distilled Water Rinse
COMMENTS	
Comments - Sample Odor, Well Recharge, etc.	Well Recovery - Immediate
	Recharge 100% and sample

RONALD C. MILLER, LS., PE.
Engineering • Surveying • Land Development
1340 Greenway Drive
Richmond, California 94803
510(415) 223-5148



APPENDIX C

ANALYTICAL RESULTS

PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

March 31, 1994 PEL # 9403097

ALL ENVIRONMENTAL, INC.

Attn: Guy Roy
Re: Three soil samples for Gasoline/BTEX, Diesel, and total Lead analyses.

Project name: Dublin - La Mirada
Project number: 1043

Date sampled: Mar 24, 1994 Date submitted: Mar 28, 1994
Date extracted: Mar 28-31, 1994 Date analyzed: Mar 28-31,1994

RESULTS:

SAMPLE I.D.	Gasoline (mg/Kg)	Diesel (mg/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylenes (ug/Kg)	Lead (mg/Kg)
Dispenser 5'	N.D.	64	N.D.	36	54	73	12
MW-1 Sample #1	N.D.	---	N.D.	N.D.	N.D.	N.D.	8.0
MW-1 Sample #3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3.6
Blank	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	98.7%	89.3%	79.9%	88.4%	91.7%	84.5%	---
Detection limit	1.0	1.0	5.0	5.0	5.0	5.0	1.0
Method of Analysis	5030/ 8015	3550 / 8015	8020	8020	8020	8020	7420

David Duong
Laboratory Director

1764 Houret Court Milpitas, CA. 95035 Tel: 408-946-9636 Fax: 408-946-9663

Priority Environmental Labs
1764 Houret Court
Milpitas, CA 95035
(408) 946-9636

1764 Houret Ct. Milpitas,CA.95035 Tel:408-946-9636 Fax:408-946-9663

PEL # 9403097

INV # 24617

DATE: 3/28/94 **PAGE:** ___ **OF:** ___

PROJECT MGR.: Gary Ray
COMPANY: ALL ENVIRONMENTAL INC
ADDRESS: 2641 Crow Canyon Rd. Suite E
: San Ramon
PHONE: 510 - 820 - 3224 FAX: ___ - ___ - ___
SIGNATURE: Jeffery Wiegand

ANALYSIS REPORT

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	TPH-Gasoline (EPA 5030,8015)	TPH-Gasoline(5030,8015) w/BTEX(EPA 602,8020)	TPH-Diesel (EPA 3510/3550,8015)	PURGEABLE AROMATICS BTEX (EPA 602,8020)	TOTAL OIL & GREASE (EPA 5520 E&F)	PESTICIDES/PCB (EPA 608,8080)	TOTAL RECOVERABLE HYDROCARBONS EPA 418.1	TOTAL LEAD	NUMBER OF CONTAINERS
DUBLIN MW-3 Sample 1	3.24.94	0820	SOIL	DUBE		X						X	
DUBLIN MW-1 Sample 3	3.24.94	0840	SOIL	DUB2		X	X					X	
DUBLIN DISPENSR 5 Ft	3.24.94	0925	SOIL	DUBE		X	X					X	

PROJECT INFORMATION
PROJECT NAME:: DUBLIN LA MIRADA
PROJECT NUMBER: 1043

SAMPLE RECEIPT
TOTAL # OF CONTAINERS: 3
RECD. GOOD COND./COLD: ___

INSTRUCTIONS & COMMENTS: ___

RELINQUISHED BY: 1	RECEIVED BY: 1	RELINQUISHED BY: 2	RECEIVED BY: 2
SIGNATURE: Jeffery WIEGAND	SIGNATURE:	SIGNATURE:	SIGNATURE:
Date: 3.28.94	Date: 3/28/94	Date:	Date:
NAME: Jeffery Wiegand	NAME:	NAME:	NAME:
Time: 10:45	Time: 14:22	Time:	Time:
COMPANY:	COMPANY: PEL	COMPANY:	COMPANY:

PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

May 10, 1994 PEL # 9405023

ALL ENVIRONMENTAL, INC.

Attn: Steve DeHope
Re: One water sample for Gasoline/BTEX and Diesel analyses.

Project name: La Mirada
Project number: 1043

Date sampled: May 09, 1994
Date extracted: May 09-10, 1994

Date submitted: May 09, 1994
Date analyzed: May 09-10, 1994

RESULTS:

SAMPLE I.D.	Gasoline (ug/L)	Diesel (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Total Xylenes (ug/L)
MW-1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Blank	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	80.2%	100.1%	72.7%	76.8%	92.0%	98.0%
Detection limit	50	50	0.5	0.5	0.5	0.5
Method of Analysis	5030 / 8015	3510 / 8015	602	602	602	602

David Duong
Laboratory Director

1764 Houret Court Milpitas, CA. 95035 Tel: 408-946-9636 Fax: 408-946-9663

Priority Environmental Labs
1764 Houret Court
Milpitas, CA 95035
(408) 946-9636

Chain of Custody

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DATE: 5/9/94 PAGE: 1 OF: 1

PROJECT MANAGER: STEVE PENSHORN
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SAN RAMON, CA 94583
PHONE: (510) 820-3224
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SINGNATURE: [signature]

ANALYSIS REPORT

PEL # 9405023
INV # 24747

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	TPH-Gasoline (EPA 5030,8015)	TPH-Gasoline(5030,8015) w/BTEX(EPA 602,8020)	TPH-Diesel (EPA 3510/3550,8015)	PURGEABLE AROMATICS BTEX (EPA 602,8020)	TOTAL OIL & GREASE (EPA 5520 E&F)	PESTICIDES/PCB (EPA 608,8080)	TOTAL RECOVERABLE HYDROCARBONS EPA 418.1	NUMBER OF CONTAINERS
MW-1	5-9	10:00	W			X	X					3

PROJECT INFORMATION
PROJECT NAME: La Mirada
PROJECT NUMBER: 1043

SAMPLE RECEIPT
TOTAL # OF CONTAINERS: 3
RECD. GOOD COND./COLD: ✓

INSTRUCTIONS & COMMENTS:

RELINQUISHED BY: 1	RECEIVED BY: 1	RELINQUISHED BY: 2	RECEIVED BY: 2
SIGNATURE: [signature] Date: 5-9-94	SIGNATURE: [signature] Date: 5/9/94	SIGNATURE: Date:	SIGNATURE: Date:
NAME: STEVE DeHope Time: 2:00	NAME: Time: 2:15	NAME: Time	NAME: Time:
COMPANY: A.E.I.	COMPANY: PEL	COMPANY:	COMPANY: