

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY  
DAVID J. KEARS, Agency Director

November 3, 1998

STID 1956

ENVIRONMENTAL HEALTH SERVICES

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

REMEDIAL ACTION COMPLETION CERTIFICATION

Pleasanton Ready Mix Concrete  
3400 Boulder Court  
Pleasanton, CA 94566  
Attn: Al Riebli

RE: Pleasanton Ready Mix Concrete, 3400 Boulder Court, Pleasanton

Dear Mr. Riebli:

This letter confirms the completion of a site investigation and remedial action for the underground storage tanks located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the underground storage tanks are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground tank release is required.

This notice is issued pursuant to a regulation contained in Section 2721(e) of Title 23 of the California Code of Regulations.

Please contact our office if you have any questions regarding this matter.

Sincerely,

Mee Ling Tung  
Director, Environmental Health Services

c: Dick Pantages, Chief, Env. Protection Division  
Chuck Headlee, RWQCB  
Dave Deaner, SWRCB (w/attachment)  
Danielle Stefani, Livermore-Pleasanton Fire Department (w/attach.)

SOS/files

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Mr. Al Riebli  
Pleasanton Ready Mix Concrete  
3400 Boulder Court  
Pleasanton, CA 94566

RE: Pleasanton Ready Mix Concrete, 3400 Boulder Court, Pleasanton

Dear Mr. Riebli:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37[h]) of the California Health and Safety Code. The State Water Resources Control Board (SWRCB) has required since March 1, 1997 that this agency use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at this site.

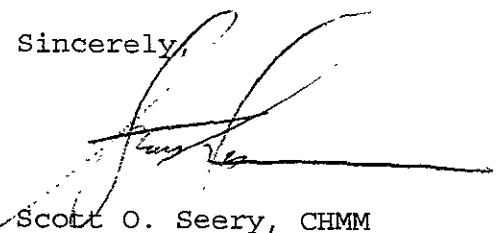
**SITE INVESTIGATION AND CLEANUP SUMMARY**

Please be advised that the following conditions exist at the site:

- o Up to 1800 parts per million (ppm) Total petroleum hydrocarbons as gasoline and 4.3 ppm benzene are present in soil at a depth of 18.5 feet below grade directly adjacent the gasoline underground storage tank location.

If you have any questions, please contact the undersigned at (510) 567-6783.

Sincerely,

  
Scott O. Seery, CHMM  
Hazardous Materials Specialist

Enclosures:

1. Case Closure Letter
2. Case Closure Summary

cc: Dick Pantages, Chief

SIGNED  
COPY -

RB# 01-2271

OK to close

**CASE CLOSURE SUMMARY**  
**Leaking Underground Fuel Storage Tank Program**

**I. AGENCY INFORMATION**

Date: 09/02/98

Agency name: **Alameda County-EPD** Address: **1131 Harbor Bay Pkwy #250**  
City/State/Zip: **Alameda, CA 94502** Phone: **(510) 567-6700**  
Responsible staff person: **Scott Seery** Title: **Haz. Materials Spec.**

**II. CASE INFORMATION**

Site facility name: **Pleasanton Ready Mix Concrete**  
Site facility address: **3400 Boulder Court, Pleasanton, CA 94566**  
RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: **1956**  
URF filing date: **11/15/97** SWEEPS No: **N/A**

<u>Responsible Parties:</u>	<u>Addresses:</u>	<u>Phone Numbers:</u>
Pleasanton Ready Mix Concrete <u>Attn:</u> Al Riebli	3400 Boulder Ct. Pleasanton, CA 94566	(925) 846-3226

CALIFORNIA REGIONAL WATER

OCT 16 1998

QUALITY CONTROL BOARD

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	10,000	diesel	closed in-place	9/12/97
2	2,000	gasoline	closed in-place	"

**III. RELEASE AND SITE CHARACTERIZATION INFORMATION**

Cause and type of release: UNK (possible overfilling)

Site characterization complete? YES

Date approved by oversight agency:

Monitoring Wells installed? NO Number: NA

Proper screened interval? NA

Highest GW depth below ground surface: > 45' BG Lowest depth: > 45' BG

Flow direction: UNK (presumed towards Arroyo Valle)

Most sensitive current use: industrial / light industrial

Are drinking water wells affected? NO Aquifer name: Amador subbasin, Livermore Valley

Is surface water affected? NO Nearest affected SW name: NA

**Leaking Underground Fuel Storage Tank Program**

Off-site beneficial use impacts (addresses/locations): NA

Report(s) on file? **YES**      Where is report filed? **Alameda County**  
**1131 Harbor Bay Pkwy**  
**Alameda CA 94502**

**Treatment and Disposal of Affected Material:**

<u>Material</u>	<u>Amount (include units)</u>	<u>Action (Treatment or Disposal w/destination)</u>	<u>Date</u>
Tank	NA		
Piping	NA		
Free Product	NA		
Soil	NA		
Groundwater	NA		
Barrels	NA		

**III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued)**  
**Maximum Documented Contaminant Concentrations - - Before and After Cleanup**

<b>Contaminant</b>	<b>Soil (ppm)<sup>1,2</sup></b>		<b>Water (ppb)</b>	
	<u>Before</u>	<u>After</u>	<u>Before</u>	<u>After</u>
TPH (Gas)	1800	ND	NA	NA
TPH (Diesel)	ND	NA		
Benzene	4.3	ND		
Toluene	0.12	"		
Xylene	6.0	"		
Ethylbenzene	2.0	"		
Oil & Grease	NA	NA		
Heavy metals	"	"		
Other <b>MtBE</b>	"	ND		

Note: 1) All "before" soil samples from the 18.5' sample collected from boring B-3, emplaced during September 1997.

2) All "after" soil data from borings completed in July 1998.

**Comments (Depth of Remediation, etc.):**

In preparation for in-place closure, slant borings were advanced adjacent to one (1) 10,000 gallon diesel and one (1) 2000 gallon gasoline underground storage tanks (UST). Undisturbed soil samples were collected from depths of up to a reported 21.5 feet below grade (BG), and analyzed for the suite of fuel compounds commensurate with the product stored in each tank.

### Leaking Underground Fuel Storage Tank Program

Up to 1800 ppm TPH-G and 4.3 ppm benzene, among other aromatic compounds detected, were identified in those borings advanced adjacent to the gasoline UST. No detectable target compounds were identified in samples collected from the borings emplaced adjacent to the diesel UST.

#### IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? yes

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? yes

Does corrective action protect public health for current land use? YES  
Site management requirements: NA

Should corrective action be reviewed if land use changes? YES

Monitoring wells Decommissioned: NA

Number Decommissioned: NA                      Number Retained: NA

List enforcement actions taken: None

List enforcement actions rescinded: NA

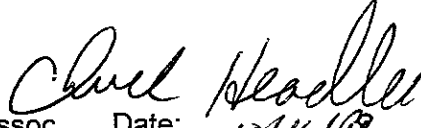
#### V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Scott Seery                      Title: Haz Mat Specialist  
Signature:                       Date: 9-28-98

Reviewed by  
Name: Tom Peacock                      Title: Supervising Haz Mat Specialist  
Signature:                       Date: 9-28-98

Name: Amir Gholami                      Title: Haz Mat Specialist  
Signature:                       Date: 9/8/98

#### VI. RWQCB NOTIFICATION

Date Submitted to RB: 9-28-98                      RB Response:   
RWQCB Staff Name: Chuck Headlee                      Title: San. Eng. Assoc.                      Date: 10/16/98

Leaking Underground Fuel Storage Tank Program

VII. ADDITIONAL COMMENTS, DATA, ETC.

Four (4) additional soil borings were advanced about the gasoline UST pit during July 1998 to further assess the release. Three borings were advanced to 40', while the fourth was advanced to 45' BG in an attempt to intercept groundwater. Groundwater was not encountered to the depth explored.

Soil samples were collected at standard 5' intervals, beginning at 10' (the approximate depth of the UST invert) for potential laboratory analyses. Only the 10' and 40' samples were analyzed based on the reported absence of any field evidence of hydrocarbon impact. No detectable target compounds were identified in those samples analyzed.

Clearly, no significant release from the gasoline UST occurred. Concentrations of gasoline compounds (e.g., benzene) identified at the 18.5' depth during the 1997 assessment of the gasoline UST appear isolated, as demonstrated during the 1998 assessment. Consequently, no additional assessment or clean-up appear warranted.

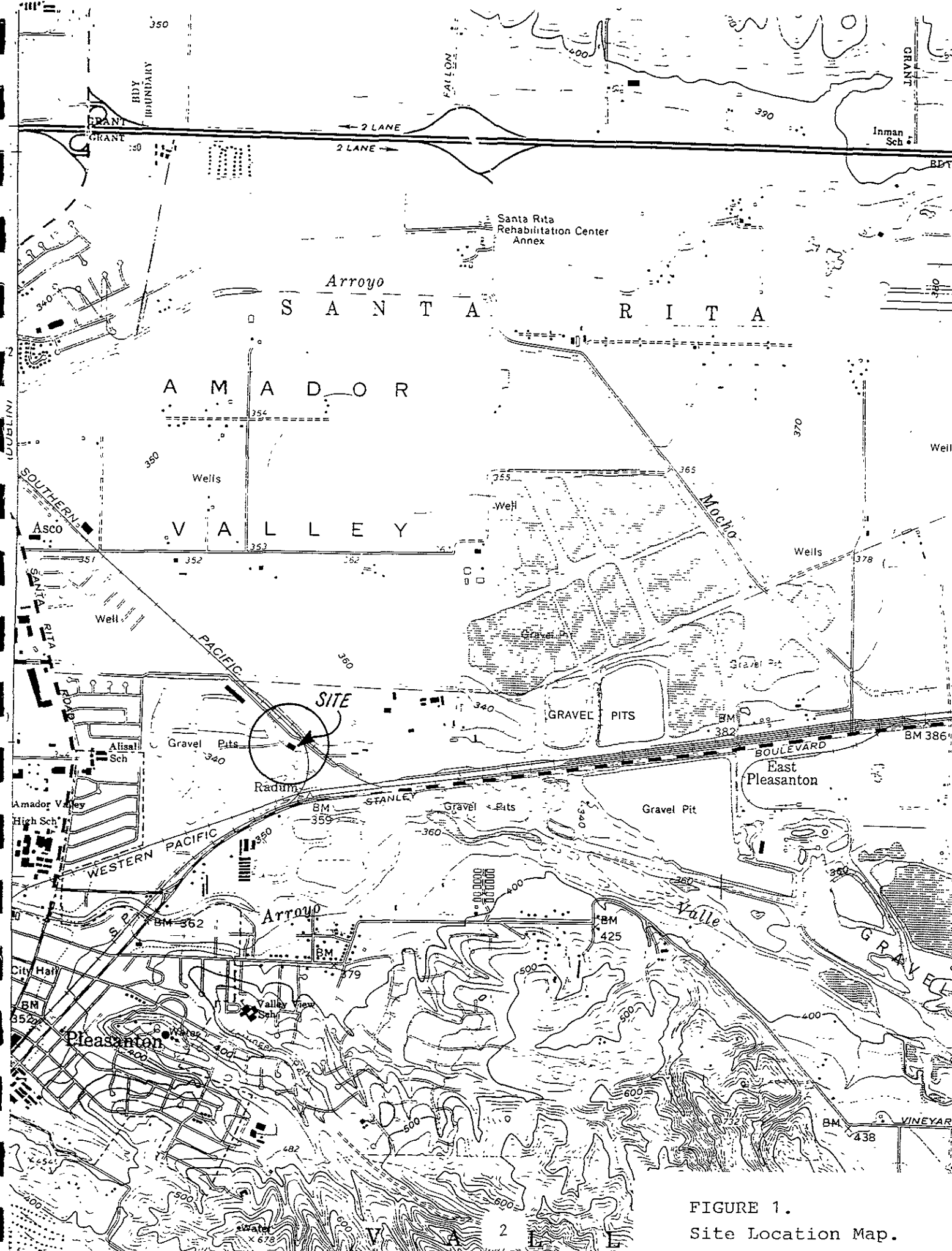
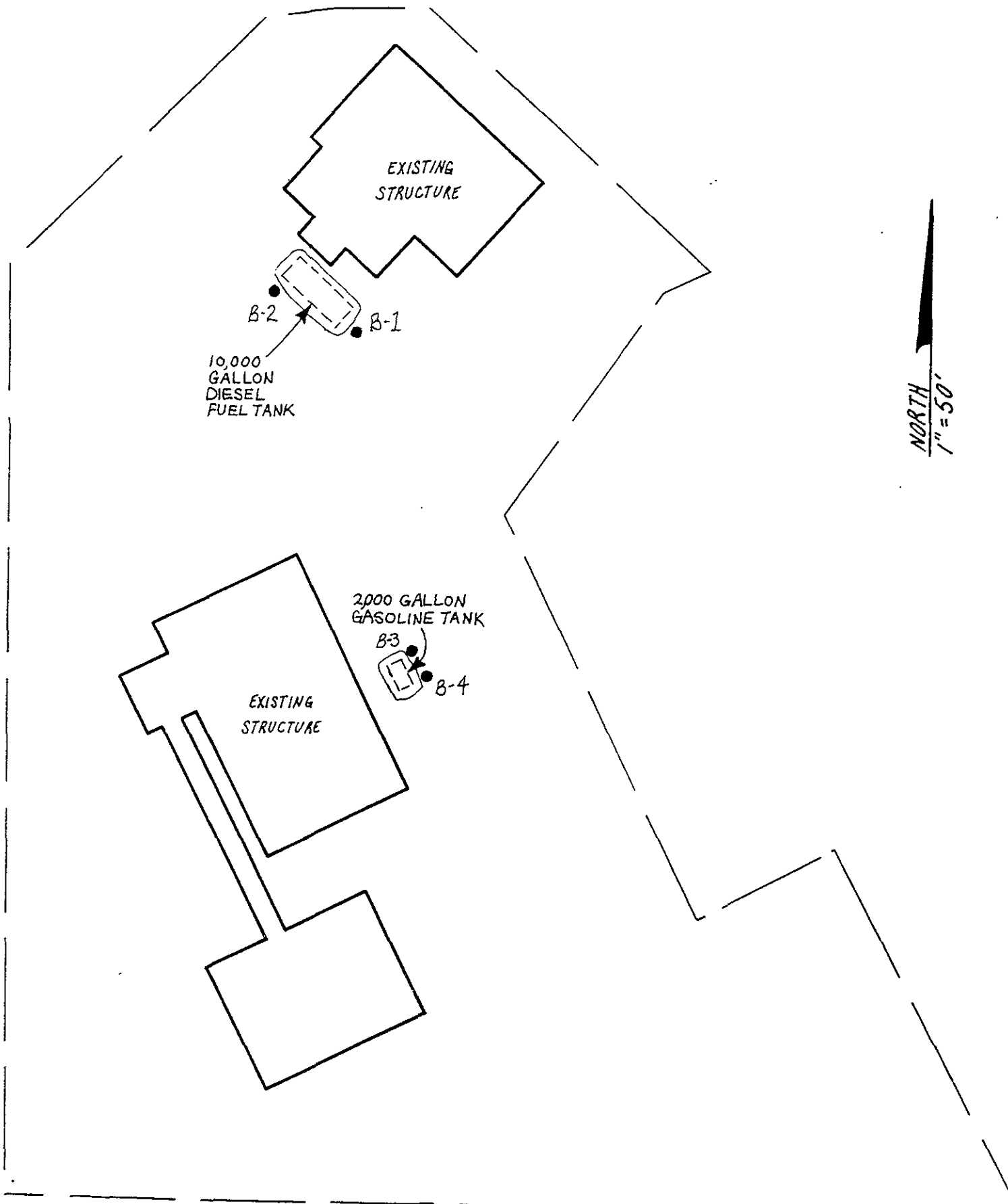


FIGURE 1.  
Site Location Map.

1997 Assessment





NORTH  
1" = 50'

PROPERTY LINE ↗

FIGURE 3.

TABLE 1. Soil Sampling Results

Soil Boring	Depth (feet)	TPH as Gasoline (mg/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethylbenzene (ug/Kg)	Total Xylenes (ug/Kg)	TPH as Diesel (mg/Kg)
B-1	21.5	ND	ND	ND	ND	ND	ND
B-2	21.5	ND	ND	ND	ND	ND	ND
B-3	18.5	1,800	4,300	120	2,000	6,000	ND
B-4	19.5	6.5	ND	22	14	51	ND
Detection Limit	1.0	5.0	5.0	5.0	5.0	5.0	1.0

8  
 diesel UST  
 gasoline UST

SLANTED  
BOREHOLE B-1

BLOW COUNT	SAMPLE	USCS	DESCRIPTION	WELL CONST.
0			GRAVEL SURFACE	
2				
4			BRN CLAYEY SILT (ML), slightly moist, crumbly, stiff, low plasticity. --coarse sand	
6				
8				
10	OVM 0 ppm V/V		DK BRN SILTY SAND (SM), moist, fine-med grain, sl. loose.	
12				
14	OVM 0 ppm V/V		DK BRN CLAYEY SILT (ML), moist, dense, mod-high plasticity.	
16				
18				
20	OVM 0 ppm 8 13 9 12		DK BRN CLAYEY SILT (ML), moist, dense, mod-high plasticity.	
22				

Total Depth of Borehole = 21.5'

TERRA NEXUS	LOG OF SLANTED BOREHOLE B-1 Pleasanton Ready Mix Concrete, Inc. 3400 Boulder Street, Pleasanton, CA	FIGURE
DATE 9/12/97	PROJECT NO. 97-18244	B-1
TOC ELEVATION NA	EQUIPMENT 8" Hollow Stem Augers	

SLANTED  
BOREHOLE B-2

	BLOW COUNT	SAMPLE	USCS	DESCRIPTION	WELL CONST.
0				GRAVEL SURFACE	
2					
4					
6				BRN CLAYEY SILT (ML), slightly moist, Stiff, crumbly, low plasticity	
8					
10				DK BRN CLAYEY SILT (ML) moist, crumbly, stiff, low-med plasticity.	
12					
14				DK BRN CLAYEY SILT (ML), moist, crumbly low plasticity.	
16					
18					
20				DK BRN CLAYEY SILT (ML), moist, stiff, crumbly, low-med plasticity.	
22					

DEPTH IN FEET

OVM  
0 ppm  
1/4  
  
 OVM  
0 ppm  
1/4  
  
 OVM  
0 ppm  
7  
11  
14  
18

Total Depth of Borehole = 21.5'

TERRA NEXUS	LOG OF SLANTED BOREHOLE B-2 Pleasanton Ready Mix Concrete, Inc. 3400 Boulder Street, Pleasanton, CA	FIGURE
DATE 9/12/97	PROJECT NO. 97-18244	B-2
TOC ELEVATION NA	EQUIPMENT 8" Hollow Stem Augers	

SLANTED  
BOREHOLE B-3

BLOW COUNT	SAMPLE	USCS	DESCRIPTION	WELL CONST.
0			GRAVEL SURFACE	
2				
4				
6			DK BRN CLAYEY SILT (ML), moist, crumbly stiff, low plasticity.	
8				
10	OVM 4 ppm V/V		DK BRN CLAYEY SILT (ML), moist, crumbly low plasticity.	
12				
14	OVM 781 ppm V/V		DK BRN CLAYEY SILT (ML), moist, crumbly low plasticity. (Slight Petroleum Odor)	
16				
18	9 12 14 18 OVM 656 ppm		DK BRN CLAYEY SILT (ML), moist, stiff, low plasticity. (Petroleum Odor)	
20				

Total Depth of Borehole = 19'

TERRA NEXUS	LOG OF SLANTED BOREHOLE B-3 Pleasanton Ready Mix Concrete, Inc. 3400 Boulder Street, Pleasanton, CA	FIGURE  B-3
DATE 9/12/97	PROJECT NO. 97-18244	
TOC ELEVATION NA	EQUIPMENT 8" Hollow Stem Auger	

SLANTED  
BOREHOLE B-4

BLOW COUNT	SAMPLE	USCS	DESCRIPTION	WELL CONST.
0			GRAVEL SURFACE	
2				
4				
6			DK BRN CLAYEY SILT (ML), slightly moist, crumbly, low plasticity.	
8				
10	OVM 7 ppm V/V		DK BRN CLAYEY SILT (ML), moist, crumbly low plasticity.	
12				
14				
16	OVM 154 ppm V/V		DK BRN CLAYEY SILT (ML), moist, stiff, low plasticity. (Slight Petroleum Odor)	
18	OVM 284 ppm 3 V/V 7 12 13		DK GY BRN CLAYEY SILT (ML), moist, crumbly, stiff, low plasticity. (Slight Petroleum Odor)	
20				

DEPTH IN FEET

Total Depth of Borehole = 20'

TERRA NEXUS	LOG OF SLANTED BOREHOLE B-4 Pleasanton Ready Mix Concrete, Inc. 3400 Boulder Street, Pleasanton, CA	FIGURE  B-4
DATE 9/12/97	PROJECT NO. 97-18244	
TOC ELEVATION NA	EQUIPMENT 8" Hollow Stem Augers	

1998 Assessment

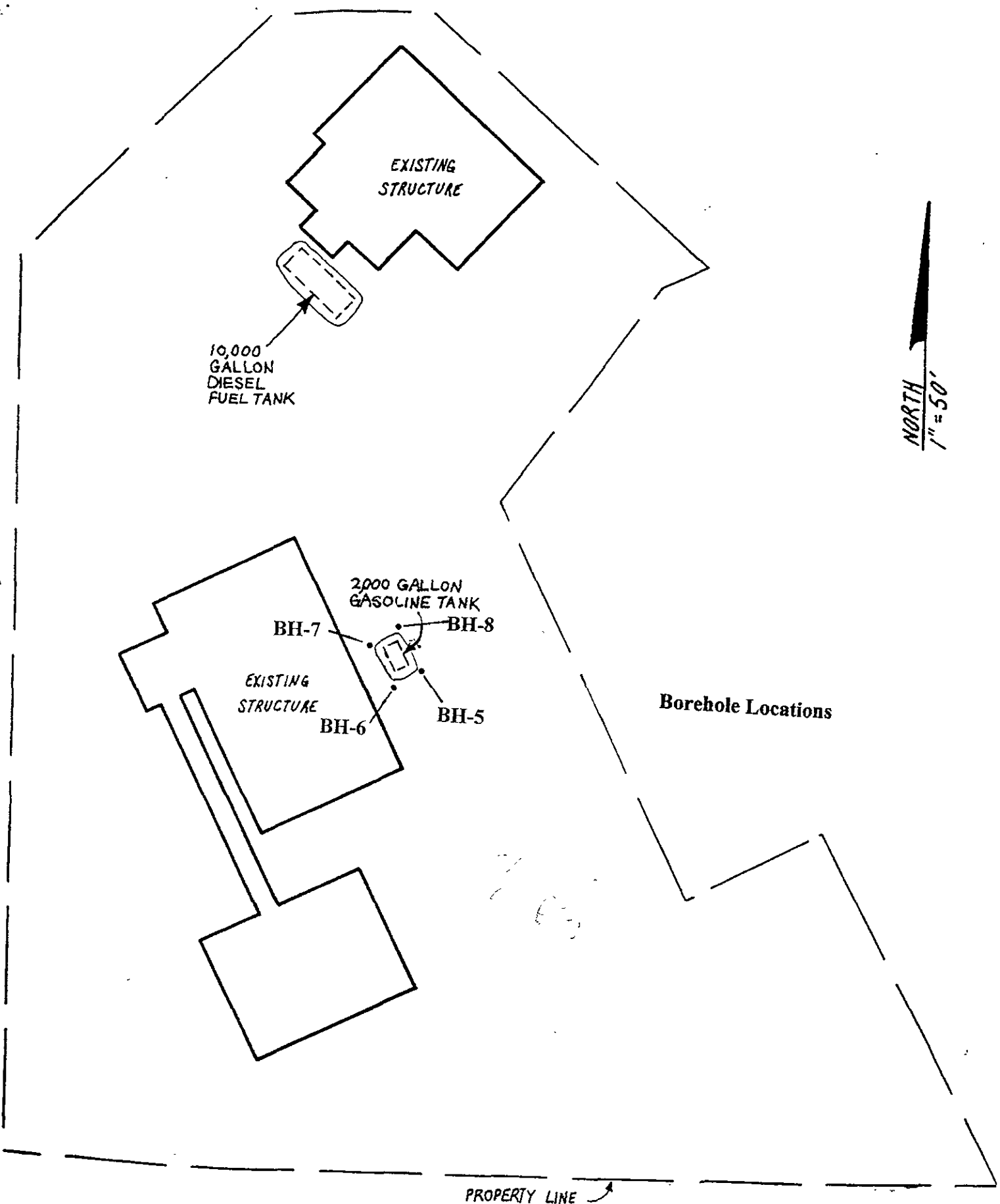


Figure 2  
Borehole Locations



**TABLE 1. SOIL SAMPLING RESULTS**

<b>Soil Boring</b>	<b>Depth (feet)</b>	<b>TPH as Gasoline (mg/kg)</b>	<b>Benzene (ug/kg)</b>	<b>Toluene (ug/kg)</b>	<b>Ethylbenzene (ug/kg)</b>	<b>Total Xylenes (ug/Kg)</b>	<b>MTBE (ug/kg)</b>
BH-5	10	ND	ND	ND	ND	ND	ND
BH-5	40	ND	ND	ND	ND	ND	ND
BH-6	10	ND	ND	ND	ND	ND	ND
BH-6	40	ND	ND	ND	ND	ND	ND
BH-7	10	ND	ND	ND	ND	ND	ND
BH-7	40	ND	ND	ND	ND	ND	ND
BH-8	10	ND	ND	ND	ND	ND	ND
BH-8	40	ND	ND	ND	ND	ND	ND
<b>Detection Limit</b>	1	5	5	5	5	5	5

ND=Not Detected

DEPTH IN FEET	BLOW COUNT	SAMPLE	USCS	DESCRIPTION	WELL CONST.
	0				GRAVEL SURFACE
3				Clayey Silt (ML), brown, medium stiff, moist, low plasticity, minor pebbles, low permeability	
6				(Fill)	
9	12	SP		Clayey Silt with sand (ML), gray brown, stiff, moist, mod. plasticity, 10-20 % sand, low permeability (OVM=0)	
12	12				
12	12				
15	8	SP		Clayey Silt (ML), dark brown, med. Stiff, moist, low plasticity, low permeability	
18	12				
21	13	SP		Clayey Silt (ML), brown, stiff, moist, low plasticity, low permeability (OVM=0)	
24	15				
27	8	SP			
30	10			@ 26 ft color change to lighter brown	
33	12	SP		Clayey Silt (ML), light brown, stiff, moist, very stiff, low plasticity, minor black mottling, low permeability (OVM=0)	
36	14				
39	8	SP		Silty Clay (CL), brown, stiff, very moist, mod. plasticity, very low permeability (OVM=0)	
42	13				
45	16	SP		No ground water encountered	
				Borehole started 07:50, completed 08:40	

Total Depth of Borehole = 41.5 ft

TERRA NEXUS	Log of Exploratory Borehole BH-5 Pleasanton Ready Mix Concrete, Inc. 3400 Boulder Street, Pleasanton, CA	FIGURE  BH-5
DATE 7/23/98		
TOC ELEVATION NA	EQUIPMENT 8" Hollow Stem Augers	

DEPTH IN FEET

BLOW COUNT	SAMPLE	USCS	DESCRIPTION	WELL CONST.
0			GRAVEL SURFACE	↑
3			Clayey Silt (ML), dark brown, med. Stiff, very moist, low plasticity, low permeability (Fill) (OVM=0)	
6				
9	7 7 SP		Silty Clay (CL), yellow brown, stiff, very moist, mod. plasticity, low permeability (OVM=0)	
12	10			
15	4 7 SP		Clayey Silt (ML), yellow brown, stiff, moist, low plasticity, minor reddish mottling, low permeability (OVM=0)	
18	10			
21	5 7 SP			
24	6 8 SP		Silty Clay (CL), light brown, stiff very moist, mod. Plastic, minor fine to medium-grained sand, low permeability (OVM=0)	
27	9			
30	6 8 9 SP		Clayey Silt (ML), yellow brown, stiff, very moist, low to mod. plasticity, low permeability (OVM=0)	
33	9			
36	8 12 SP		Sandy Silt (ML), yellow brown, very stiff to hard, moist, 15-25% fine to coarse-grained sand, low plasticity, low to moderate permeability (OVM=0)	
39	9 8 SP			
42	26		No ground water encountered	↓
45			Borehole started 09:15, completed 09:50	

PORTLAND TYPE I/II CEMENT

Total Depth of Borehole = 41.5 ft

TERRA NEXUS	Log of Exploratory Borehole BH-6 Pleasanton Ready Mix Concrete, Inc. 3400 Boulder Street, Pleasanton, CA	FIGURE  BH-6
DATE 7/23/98		
TOC ELEVATION NA	EQUIPMENT 8" Hollow Stem Augers	

DEPTH IN FEET		BLOW COUNT	SAMPLE	USCS	DESCRIPTION	WELL CONST.
0					GRAVEL SURFACE	↑
3					Clayey Silt (ML), dark gray brown, med. Stiff, very moist, minor fine to coarse-grained sand and pebbles low permeability (Fill) (OVM=0)	
6					Clayey Silt (ML), yellow brown, stiff, moist, low to mod. plasticity, 10% fine to coarse-grained sand, low permeability (OVM=0)	
9	8	8	SP			
12	8	8				
15	6	6	SP		Sandy Silt (ML), brown, stiff, very moist, low plasticity, fine-grained sand and minor pebbles, low permeability (OVM=0)	
18	6	6				
21	8	8	SP		@ 19 ft becomes softer	
24	4	5	SP		softer: driller	
27	13	13			Silty Clay (CL), brown, med. stiff, moist, mod. plasticity, low permeability (OVM=0)	
30	8	13	SP		Clayey Silt (ML), yellow brown, stiff to very stiff, very moist, 10-25% fine to coarse-grained sand, low plasticity, low permeability (OVM=0)	
33	20	20				
36	7	14	SP		Clayey Silt (ML), yellow brown, stiff to very stiff, moist, mod. plasticity low permeability (OVM=0)	
39	15	30	SP			
42	50/4"				No ground water encountered	↓
45					Borehole started 10:40, completed 11:15	
Total Depth of Borehole = 41.5 ft						
TERRA NEXUS			Log of Exploratory Borehole BH-7 Pleasanton Ready Mix Concrete, Inc. 3400 Boulder Street, Pleasanton, CA			FIGURE
DATE 7/23/98						BH-7
TOC ELEVATION NA			EQUIPMENT 8" Hollow Stem Augers			

DEPTH IN FEET	BLOW COUNT	SAMPLE	USCS	DESCRIPTION	WELL CONST.
	0				GRAVEL SURFACE
3				Clayey Silt (ML), light brown, stiff, moist, low plasticity (Fill) low permeability (OVM=0)	
6					
9	9	SP			
	11				
12	11				
15	8	SP		Clayey Silt (ML), yellow brown, med. stiff, moist, minor fine-grained sand, low plasticity low permeability (OVM=0)	
	8				
18	9				
21	13	SP			
	14				
24	9	SP		Clayey Silt (ML), yellow brown, stiff, moist, low to mod. plasticity, low permeability (OVM=0)	
	11				
	13				
27					
30	10	SP		Clayey Silt (ML), yellow brown, very stiff, moist, low plasticity, 10-20% fine-grained sand and minor pebbles, low permeability (OVM=0)	
	16				
	19				
33					
36	7	SP		@ 36 ft reddish and black mottling	
	11				
	15				
39	5	SP		No ground water encountered	
	11				
	16				
42				Borehole started 12:10, completed 13:00	
45					
Total Depth of Borehole = 45.0 ft					
TERRA NEXUS				Log of Exploratory Borehole BH-8 Pleasanton Ready Mix Concrete, Inc. 3400 Boulder Street, Pleasanton, CA	
DATE 7/23/98				FIGURE BH-8	
TOC ELEVATION NA					
				EQUIPMENT 8" Hollow Stem Augers	