



ENGINEERING INC.

STID 4247

RCE #27011 LIC. #537901

March 4, 1993

Ms. Susan L. Hugo
Alameda Co. Dept. of Environmental Health
Hazardous Materials Program
80 Swan Way, Room 200
Oakland, California 94821

**RE: EXCAVATION VERIFICATION SAMPLE ANALYTICAL RESULTS
5714 SAN PABLO AVENUE, OAKLAND, CALIFORNIA**

Dear Ms. Hugo:


This letter is in response to our conversation on March 4, 1993 regarding the status of the subject site. The analytical laboratory reports you requested for the excavation verification samples are contained in Attachment A and the sample collection locations are shown on Figure 1. Petroleum hydrocarbons were not detected, and the metal concentrations approximate background level. However, several compounds on the US EPA Priority Pollutants List (PPL) have been detected.

A preliminary review of the chemical literature indicates the PPL compounds detected are derivatives of coal tar and have very low solubility in water. The PPL compounds appear to be present in a black soil layer located approximately 2 feet below grade, varying in thickness from less than an inch to approximately 3 feet, and located as shown on Figure 2. The black soil zone may extend off-site, and although uncertain, imported fill appears to be a likely source. The extent of the impacted soil is based on interpretation of soil borings completed as part of previous site work by others, and our own field observations during excavation of the gasoline impacted soil. The nature of the impacted soil zone also indicates that it is not related to typical underground fuel storage tank activities.

Ms. Susan Hugo
March 1993

In order to determine the most appropriate course of action, we would like to meet with you on-site at your earliest convenience. Please call me at (916) 723-7645.

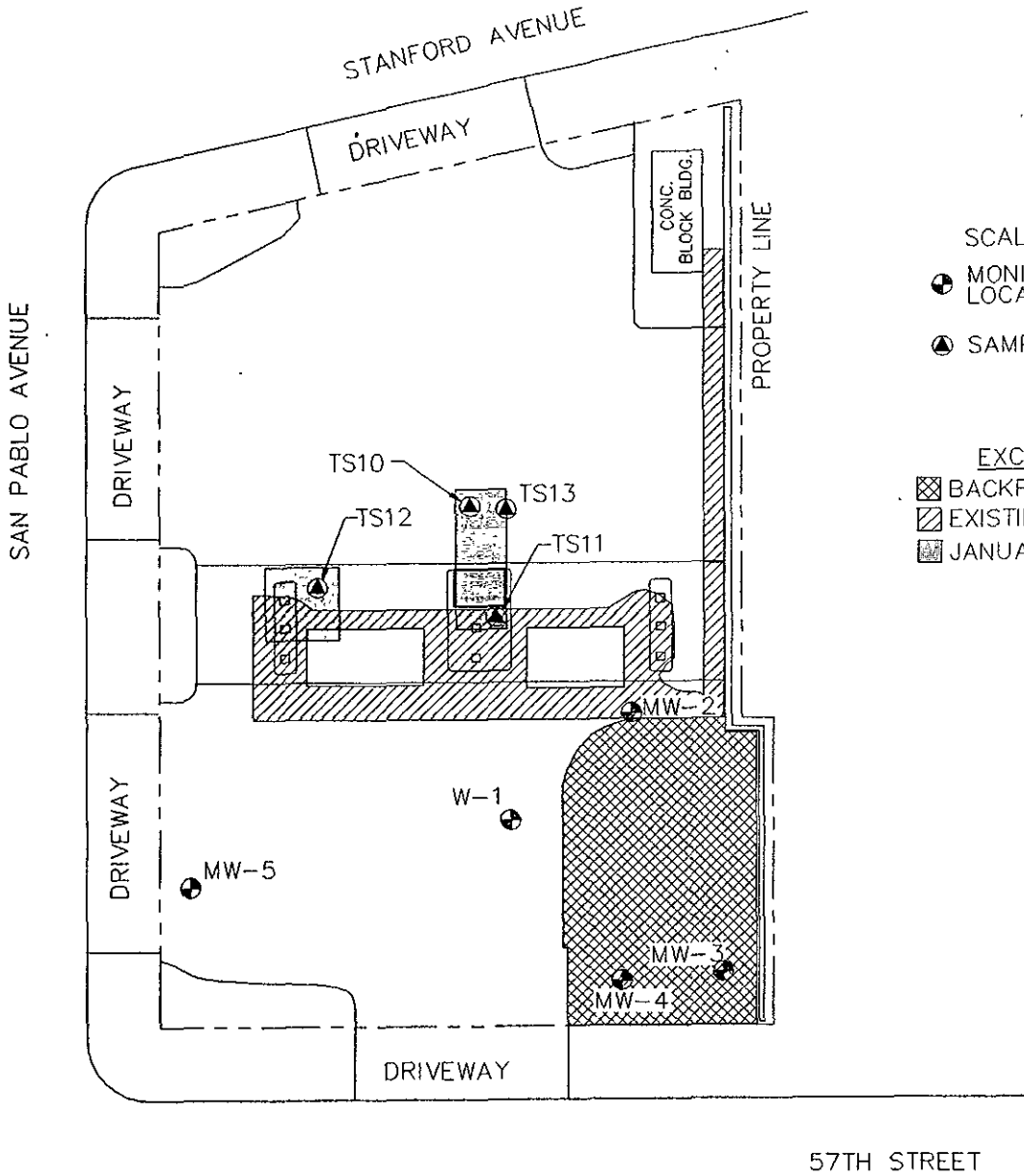
Sincerely,

for 
John N. Church,
Geologist

F:\1129\JC\nad\Hugo.lt2

cc: Ms. Elizabeth H. Altman, Chief Auto Parts, Inc.
Mr. Warren Chapman, Chapman and Shepard
Mr. Lester Feldman, San Francisco Bay Regional Water Quality Control Board

FIGURE 1
5714 SAN PABLO AVENUE
SITE PLAN



SCALE: 1" = 30'

● MONITORING WELL LOCATION

▲ SAMPLE LOCATION

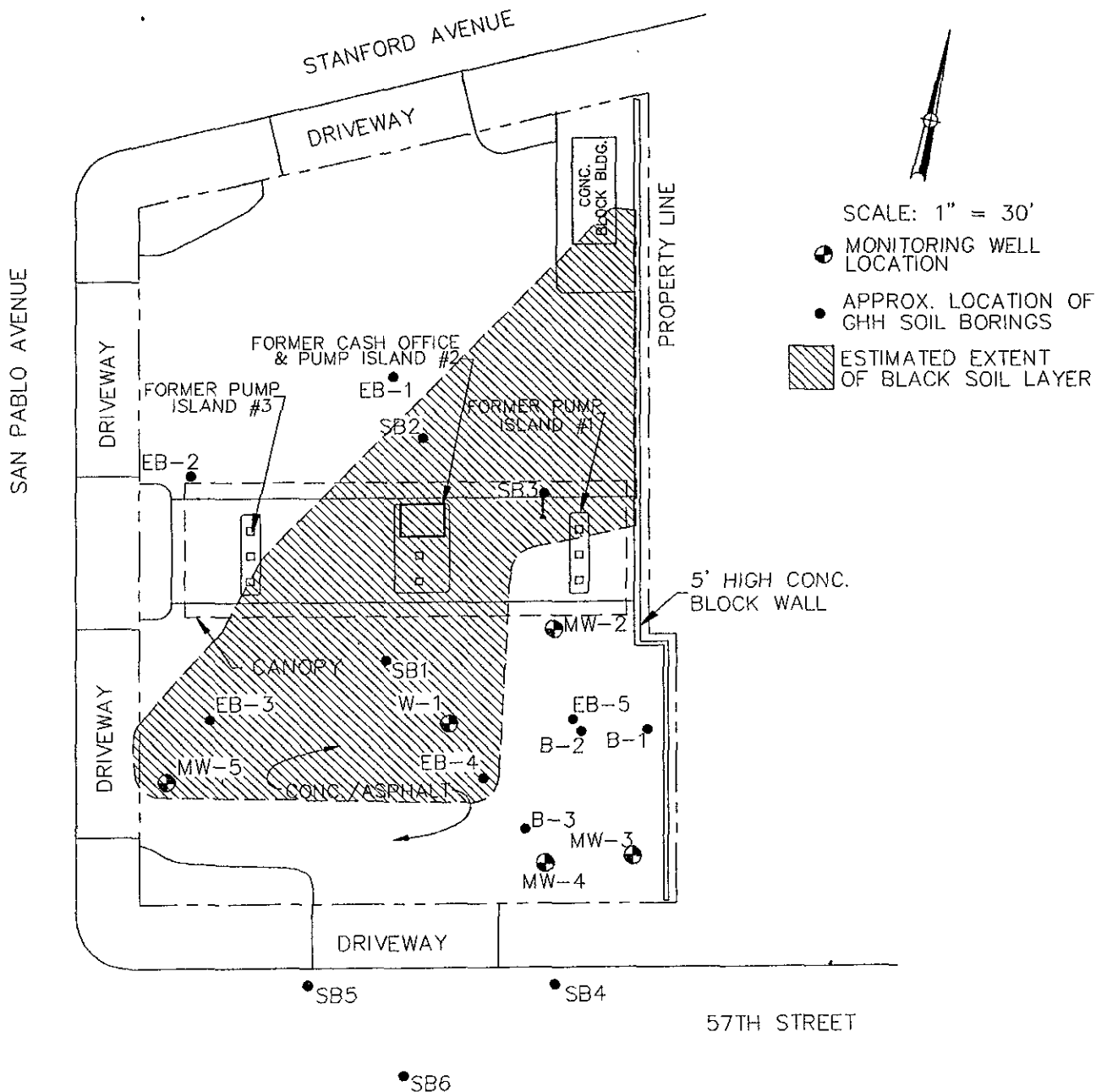
EXCAVATION LEGEND

⊠ BACKFILLED EXCAVATION

▨ EXISTING EXCAVATION

▩ JANUARY 1993 EXCAVATION

FIGURE 2
5714 SAN PABLO AVENUE
ESTIMATED EXTENT
OF BLACK SOIL LAYER





Sample Log 4469

4469-3

Sample: MW-4

From : Project # 1129 (San Pablo)

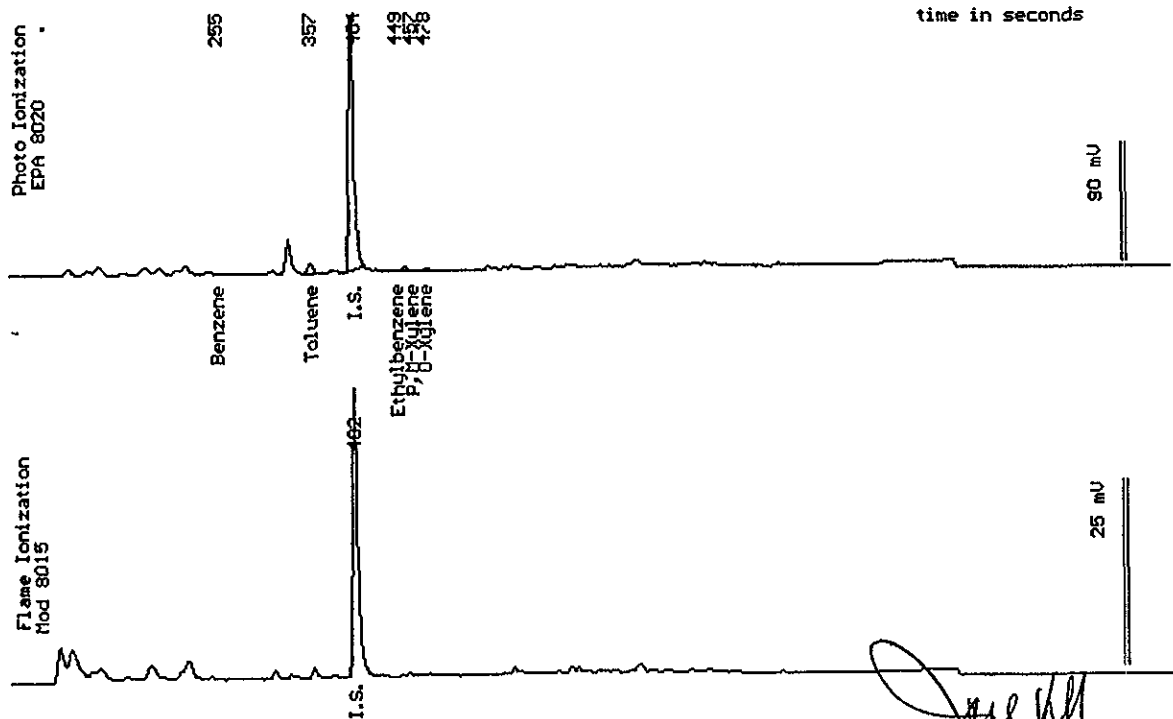
Sampled : 05/27/92

Dilution : 1:1

QC Batch : 6046a

Matrix : Water

Parameter	(MDL) ug/L	Measured Value ug/L
Benzene	(.50)	<.50
Toluene	(.50)	.84
Ethylbenzene	(.50)	<.50
Total Xylenes	(.50)	.67
TPH as Gasoline	(50)	<50



Date Analyzed: 06-03-92
Column : 0.53mm ID X 30m DB5 (J&W Scientific)

Joel Kiff
Senior Chemist



June 5, 1992
Sample Log 4469

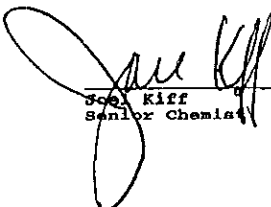
Sample: MW-4^v

From : Project # 1129 (San Pablo)
Sampled : 05/27/92
Analyzed : 06/04/92
Received : 05/28/92
Matrix : Water

--all concentrations are units of ug/L--

601 - Halogenated Volatile Organics

Parameter /	(Reporting Limit)	Measured Value
Chloromethane	(0.50)	<0.50
Chloroethane	(0.50)	<0.50
Vinyl Chloride	(0.50)	3.3 C
Bromomethane	(0.50)	<0.50
Trichlorofluoromethane	(0.50)	<0.50
1,1-Dichloroethene	(0.50)	<0.50
Dichloromethane	(0.50)	.63 C
t-1,2-Dichloroethene	(0.50)	<0.50
1,1-Dichloroethane	(0.50)	<0.50
Chloroform	(0.50)	<0.50
1,1,1-Trichloroethane	(0.50)	<0.50
1,2-Dichloroethane	(0.50)	<0.50
Carbon Tetrachloride	(0.50)	<0.50
1,2-Dichloropropane	(0.50)	<0.50
Trichloroethene	(0.50)	<0.50
Bromodichloromethane	(0.50)	<0.50
c-1,2-Dichloroethene	(0.50)	2.1 C
c-1,3-Dichloropropene	(0.50)	<0.50
t-1,3-Dichloropropene	(0.50)	<0.50
1,1,2-Trichloroethane	(0.50)	<0.50
Tetrachloroethene	(0.50)	<0.50
Dibromochloromethane	(0.50)	<0.50
Chlorobenzene	(0.50)	<0.50
Bromoform	(0.50)	<0.50
1,1,2,2-Tetrachloroethane	(0.50)	<0.50
1,4-Dichlorobenzene	(0.50)	<0.50
1,3-Dichlorobenzene	(0.50)	<0.50
1,2-Dichlorobenzene	(0.50)	<0.50


Joe Kiff
Senior Chemist



Sample Log 4469

4469-3

Sample: MW-4

From : Project # 1129 (San Pablo)

Sampled : 05/27/92

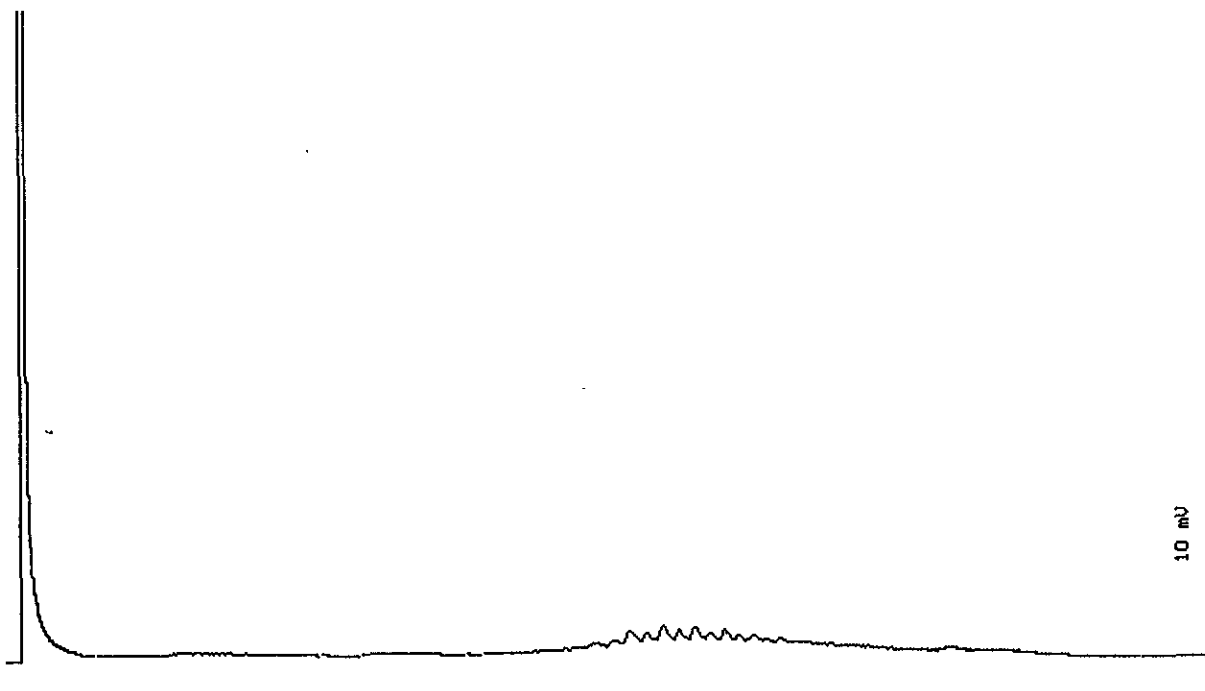
Extracted: 06/03/92

Dilution : 1:1

Matrix : Water

QC Batch : 8030c

Parameter	(MDL) ug/L	Measured Value ug/L
TPH as Diesel	(50)	<50
TPH as Motor Oil	(50)	120



Motor Oil

EPA Mod 8015

Date: 06-04-92 Time: 20:00:10
Column : 0.53mm ID X 15m DB1 (J&W Scientific)

Stuart Podolsky
Stuart Podolsky
Senior Chemist

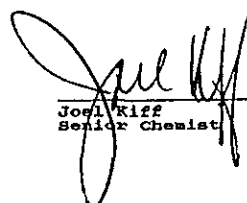


June 5, 1992
Sample Log 4469

Sample: MW-4

From : Project # 1129 (San Pablo)
Sampled : 05/27/92
Received : 05/28/92
Matrix : Water

Parameter	(MDL) ug/L	Measured Value ug/L
Extractable TPH	(50) (50)	Diesel : <50 Motor Oil : 120
Cadmium	(20)	<20
Chromium	(150)	<150
Lead	(5.0)	<5.0
Zinc	(5.0)	32
Nickel	(60)	<60
Oil & Grease	(1000)	<1000


Joel Kiff
Senior Chemist



ENGINEERING INC.

LIC. #537901

8084 OLD AUBURN ROAD

CITRUS HEIGHTS, CA 95610

PROJECT NAME SAN PABLOPROJECT NO. 1129.1SB# 5PAGE 1 OF 1

SOIL BORING LOG

APPROVED

BORING DIAMETER 4" LOCATION NORTH SIDE OF 57TH STREET
 DATE START 1-21-93 @ SAN PABLO AVE. 43' EAST
 DATE FINISH 1-21-93
 GROUT TYPE PORTLAND CEMENT
 DRILLING CO. B & F DRILLING SAMPLING METHOD 2" MOD. CA SPLIT SPOON
 DRILLING METHOD HOLLOW STEM AUGER LOGGED BY: CHRIS LAROSE
 OPERATOR CHRIS FISCUS RIG TYPE MOBILE B-61

DEPTH (FEET)	BLOWS/FT COUNT	HEAD SPACE	SAMPLE ID #	LITHOLOGY
5	7/14/25	16ppm	SB-5@5'	Sand clay; 10YR 5/4 yellowish brown; soft; slightly plastic; very fine to medium sand; sub-angular to subrounded; moist. TOTAL DEPTH = 5 FEET
10				
15				
20				
25				
30				
35				



ENGINEER INC.

LIC. #537901

8064 OLD AUBURN ROAD

CITRUS HEIGHTS, CA 95810

PROJECT NAME SAN PABLO

PROJECT NO. 1129

SB# 3

PAGE 1 OF 1

SOIL BORING LOG

BORING DIAMETER 7" LOCATION 20' ANGLE BORING DRILLED IN SOUTH APPROVED
 DATE START 5/21/92 DIRECTION APPROX. 18' WEST OF CONC.
 DATE FINISH 5/21/92 WALL & APPROX. 65' SOUTH OF SIDEWALK
 GROUT TYPE PORTLAND CEMENT GROUT (NORTH SIDE OF SITE)
 DRILLING CO. B & F DRILLING SAMPLING METHOD CA SPLIT SPOON
 DRILLING METHOD HOLLOW STEM AUGER LOGGED BY: JOHN N. CHURCH
 OPERATOR BREESE FRANKS RIG TYPE B-53

DEPTH (FEET)	BLOWS/FT COUNT	HEAD SPACE	SAMPLE ID #	LITHOLOGY
				Asphalt
				Sandy silt; 2.5Y 3/2 very dark grayish brown; damp. ML
5	4/3/3	Oppm	SB3-5	Sandy silty clay with abundant rock fragments; 2.5Y 6/2 light grayish brown; wet; soft. CL ▼
10				TOTAL DEPTH = 9 FEET
15				
20				
25				
30				
35				



ENGINEERING INC.

LIC. #537901

8084 OLD AUBURN ROAD

CITRUS HEIGHTS, CA 95610

PROJECT NAME SAN PABLO

PROJECT NO. 1129

SB# 234

PAGE 1 OF 1

SOIL BORING LOG

BORING DIAMETER 7" LOCATION APPROX. 55 FEET SOUTH OF APPROVED
 DATE START 5/21/92 SIDEWALK & APPROX. 40 FEET WEST OF
 DATE FINISH 5/21/92 CONCRETE WALL
 GROUT TYPE PORTLAND CEMENT GROUT
 DRILLING CO. B & F DRILLING SAMPLING METHOD CA SPLIT SPOON
 DRILLING METHOD HOLLOW STEM AUGER LOGGED BY: JOHN N. CHURCH
 OPERATOR BREESE FRANKS RIG TYPE B-53

DEPTH (FEET)	BLOWS/FT COUNT	HEAD SPACE	SAMPLE ID #	LITHOLOGY
				Asphalt & subgrade.
				Sandy silt; 2.5Y 2/2 black; damp. ML
				Red brick
5	3/5/7	Oppm	SB2-5	Sandy silty clay; 2.5Y 5/4 light olive brown; damp. CL
				TOTAL DEPTH = 6 FEET
10				
15				
20				
25				
30				
35				



ENGINEERING INC.

LIC. #537901

8084 OLD AUBURN ROAD

CITRUS HEIGHTS, CA 95610

PROJECT NAME SAN PABLOPROJECT NO. 1129SB# 1PAGE 1 OF 1

SOIL BORING LOG

BORING DIAMETER 7" LOCATION 45' DUE WEST OF CORNER APPROVED
 DATE START 5/20/92 IN CONCRETE WALL
 DATE FINISH 5/21/92
 GROUT TYPE PORTLAND CEMENT GROUT
 DRILLING CO. B & F DRILLING SAMPLING METHOD CA SPLIT SPOON
 DRILLING METHOD HOLLOW STEM AUGER LOGGED BY: JOHN N. CHURCH
 OPERATOR CHRIS FISCUS RIG TYPE B-53

DEPTH (FEET)	BLOWS/FT COUNT	HEAD SPACE	SAMPLE ID #	LITHOLOGY
				Asphalt & subgrade.
				Sandy silt; 2.5Y 2/2 black; damp. ML
5	4/8/12	Oppm	SB1-5	Sandy silty clay; 10YR 5/4 yellowish brown; very stiff; damp CL
10	7/14/27	Oppm	SB1-10	▼ Grounwater on fractures. TOTAL DEPTH = 10 FEET
15				
20				
25				
30				
35				



ENGINEERING INC.
LIC. #537901

8084 OLD AUBURN ROAD CITRUS HEIGHTS, CA 95610

WELL LOG

PROJECT NAME SAN PABLO

PROJECT NO. 1129

MW# 235

PAGE 1 OF 1

BORING DIAMETER 10.5" LOCATION APPROX 25' NORTH OF
 SCREEN LENGTH 14' SW CORNER OF SITE
 SLOT 0.020" DRILLING METHOD HOLLOW STEM AUGER
 BLANK LENGTH 5' SAMPLING METHOD CA SPLIT SPOON
 DIAMETER 4" LOGGED BY: JOHN N. CHURCH
 DATE START 5/20/92 DRILLING CO. B & F DRILLING
 DATE FINISH 5/21/92 OPERATOR CHRIS FISCUS

APPROVED:

DEPTH (FEET)	BLOWS/FT COUNT	HEAD SPACE	SAMPLE ID #	LITHOLOGY	CONSTRUCTION
5	6/5/7	0.3ppm	MW5-5	Asphalt & subgrade. Sandy silt; 2.5Y 3/2 very dark grayish brown; damp. ML Clay; 10YR 3/6 dark yellowish brown; stiff; damp. CL	
10	5/6/12		MW5-10	▼ Groundwater in fractures. Zone containing coarse sand sized grains.	
15					
20				TOTAL DEPTH = 19 FEET	
25					
30					
35					



ENGINEERING INC.
LIC.#537901

WELL LOG

PROJECT NAME SAN PABLO

PROJECT NO. 1129

MW# 4

PAGE 1 OF 1

8084 OLD AUBURN ROAD CITRUS HEIGHTS, CA 95610

BORING DIAMETER 10.5" LOCATION APPROX. 25' WEST OF EAST CONC.
 SCREEN LENGTH 14' WALL 5' N OF SIDEWALK, 5' S OF PROPERTY
 SLOT 0.020" DRILLING METHOD HOLLOW STEM AUGER
 BLANK LENGTH 5' SAMPLING METHOD CA SPLIT SPOON
 DIAMETER 4" LOGGED BY: JOHN N. CHURCH
 DATE START 5/21/92 DRILLING CO. B & F DRILLING
 DATE FINISH 5/21/92 OPERATOR CHRIS FISCUS

APPROVED:

DEPTH (FEET)	BLOWS/FT COUNT	HEAD SPACE	SAMPLE ID #	LITHOLOGY	CONSTRUCTION
5				Class 2 AB backfill.	
10	5/8/11	31ppm	ES13	Sandy silty clay, 2.5Y 5/6 light olive brown; damp CL ▼Hydrocarbon odor. Water on fractures. Coarse sand zone in clay.	
15				Clay; 10YR 4/6 dark yellowish brown; damp. CL	
20				TOTAL DEPTH = 19 FEET	
25					
30					
35					



ENGINEERING INC.
LIC. #537901

8084 OLD AUBURN ROAD

CITRUS HEIGHTS, CA 95610

WELL LOG

PROJECT NAME SAN PABLO

PROJECT NO. 1129

MW# 3

PAGE 1 OF 1

BORING DIAMETER 10.5" LOCATION APPROX. 8' FROM SE CORNER OF
 SCREEN LENGTH 14' SITE BOUNDARY & SIDE WALK
 SLOT 0.020" DRILLING METHOD HOLLOW STEM AUGER
 BLANK LENGTH 5' SAMPLING METHOD CA SPLIT SPOON
 DIAMETER 4" LOGGED BY: JOHN, N. CHURCH
 DATE START 5/20/92 DRILLING CO. B & F DRILLING
 DATE FINISH 5/21/92 OPERATOR CHRIS FISCUS

APPROVED:

DEPTH (FEET)	BLOWS/FT COUNT	HEAD SPACE	SAMPLE ID #	LITHOLOGY	CONSTRUCTION
				Class 2 AB backfill.	
5	7/9/11	0.6ppm	MW3-5	Sandy silty clay; 2.5Y 5/4 light olive brown; damp; very stiff. CL	
10	10/12/18	0.3ppm	MW3-10	▼ Zone containing coarse sand & sand sized metamorphic rock fragments.	
15	4/11/17	0.6ppm	MW3-15	Clay, with <5% sand sized metamorphic rock fragments; 10YR 3/6 dark yellowish brown; moist; small fractures in clay with slight grayish color & containing ground water. CL	
20				TOTAL DEPTH = 19 FEET	
25					
30					
35					



ENGINEERING INC.

LIC. #537901

8084 OLD AUBURN ROAD

CITRUS HEIGHTS, CA 95610

WELL LOG

PROJECT NAME SAN PABLO

PROJECT NO. 1129

MW# 2

PAGE 1 OF 1

BORING DIAMETER 10.5"

LOCATION APPROXIMATELY 18 FEET WEST
OF CORNER IN CONCRETE WALL

APPROVED:

SCREEN LENGTH 14'

SLOT 0.020"

DRILLING METHOD HOLLOW STEM AUGER

BLANK LENGTH 5'

SAMPLING METHOD CA SPLIT SPOON

DIAMETER 4"

LOGGED BY: JOHN N. CHURCH

DATE START 5/20/92

DRILLING CO. B & F DRILLING

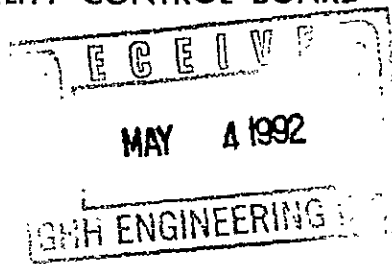
DATE FINISH 5/21/92

OPERATOR CHRIS FISCUS

DEPTH (FEET)	BLOWS/FT COUNT	HEAD SPACE	SAMPLE ID #	LITHOLOGY	CONSTRUCTION
				Class 2 AB backfill.	
5	2/4/5		MW2-5	Sandy silty clay, 10YR 4/4 dark yellowish brown; moist; stiff. CL Material caved off wall of excavation.	
10	4/5/7	0.3ppm	MW2-10	▼	
15	3/6/10				
20				Sandy silty clay, 10YR 4/4 dark yellowish brown; moist; stiff. CL In-place material.	
				TOTAL DEPTH = 19 FEET	
25					
30					
35					

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

SAN FRANCISCO BAY REGION
2101 WEBSTER STREET, SUITE 500
OAKLAND, CA 94612
(510) 464-1255



San Pablo

April 30, 1992

*cc John C
check to karr*



Mr. John Church
GHH Engineering Inc.
8084 Old Auburn Road, Suite E
Citrus Heights, CA 95610

SUBJECT: Discharge of 2,000 gallons of Excavation Dewatering at
5714 San Pablo Ave., Oakland, Alameda County

Dear Mr. Church:

A discharger is required to obtain an NPDES Permit before discharging waste to waters of the State. However, we have received your letter, dated March 20, 1992 requesting permission to discharge 2,000 gallons of excavation dewatering generated from the above site into the storm drainage system. Based on the information contained in your letter, the water quality concerns of your discharge are considered to be insignificant. Therefore, I will not recommend that the Regional Board take enforcement action if the subject 2,000 gallons of excavation dewatering are discharged without an NPDES Permit. Please complete your discharge by May 14, 1992.

If you plan any similar discharge in the future, you must submit a detailed proposal to this Board for review.

Notice is hereby given that it is the responsibility of any person proposing to discharge to a storm drain to obtain authorization to discharge from the agency having jurisdiction over the use of the storm drain system.

Your original check for \$600 is attached. Please submit the correct fee of \$450 to cover costs for staff time. Please call Rico Duazo at (510) 464-0837 if you have any questions.

Sincerely

Steven R. Ritchie
Executive Officer

Donald D. Dalke
Chief, Toxics Cleanup Division

cc: Susan Hugo, Alameda County Department of Environmental Health