ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY

ALEX BRISCOE, Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
OFFICE OF THE DIRECTOR
1131 HARBOR BAY PARKWAY
ALAMEDA, CA 94502
(510) 567-6777
FAX (510) 337-9135

June 30, 2010

John Schroeter EBMUD 375 11th Street, Mail Stop 704 Oakland, CA 94607-4240

William Wilkins
Oakland Redevelopment Agency
250 Frank Ogawa Plaza, Suite 3330
Oakland, CA 94612

Mark Gomez Office of Public Works 250 Frank Ogawa Plaza, Suite 3330 Oakland, CA 94612

Subject: Fuel Leak Case No. RO0002947 and GeoTracker Global ID T0600191509, City of Oakland Redevelopment / EBMUD, 383 11th Street, Oakland, CA 94607

Dear Messrs. Schroeter, Wilkins, & Gomez:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37[h]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Environmental Health (ACEH) is required to 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 the subject site. The subject fuel leak case is closed.

SITE INVESTIGATION AND CLEANUP SUMMARY

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

 Post excavation soil samples not collected. However, site was excavated to facilitate three floors of sub-grade parking.

If you have any questions, please call Paresh Khatri at (510) 777-2478. Thank you.

Sincerely,

Donna L. Drogos, P.E.

Division Chief

Enclosures:

- 1. Remedial Action Completion Certificate
- 2. Case Closure Summary

CC:

Ms. Cherie McCaulou (w/enc) SF- Regional Water Quality Control Board 1515 Clay Street, Suite 1400 Oakland, CA 94612 Closure Unit (w/enc)
State Water Resources Control Board
UST Cleanup Fund
P.O. Box 944212
Sacramento, CA 94244-2120

Paresh Khatri (w/orig enc), D. Drogos (w/enc), T. Le-Khan (w/enc)

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY

DEPARTMENT OF ENVIRONMENTAL HEALTH
OFFICE OF THE DIRECTOR
1131 HARBOR BAY PARKWAY
ALAMEDA, CA 94502
(510) 567-6777
FAX (510) 337-9135

ALEX BRISCOE, Agency Director

June 30, 2010

John Schroeter EBMUD 375 11th Street, Mail Stop 704 Oakland, CA 94607-4240

William Wilkins Oakland Redevelopment Agency 250 Frank Ogawa Plaza, Suite 3330 Oakland, CA 94612 Mark Gomez Office of Public Works 250 Frank Ogawa Plaza, Suite 3330 Oakland, CA 94612

REMEDIAL ACTION COMPLETION CERTIFICATE

Subject: Fuel Leak Case No. RO0002947 and GeoTracker Global ID T0600191509, City of Oakland Redevelopment / EBMUD, 383 11th Street, Oakland, CA 94607

Dear Messrs. Schroeter, Wilkins, & Gomez:

This letter confirms the completion of a site investigation and remedial action for the underground storage tanks formerly 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 former underground storage tank(s) 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, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (h) of Section 25299.37 of the Health and Safety Code.

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

Sincerely,

Ariu Levi Director

Alameda County Environmental Health

Case Closure Procedures

(
	SITE RO 2947	
1.	Closure prepared by:	PK
2.	Date Closure prepared:	4/28/2010
3.	Date closure presented to Supervisor:	·
4.	Date approved by Supervisor:	6/23/2010
5.	Landowner Notification (date)	Yes / No
6.	Date sent to RWQCB:	6/24/2210
7.	GT2 Enforcement Action (date)	6130 12210
8.	RWQCB Concurrence & date:	Yes// No
9.	MWs onsite? If no, go to step #12	Yes No
10.	Sent MW Decommission Letter? (date)	NY .
11.	MW Decommission Report received? (date)	44
12.	Prepare Remedial Action Completion Certificate (date)	6 30 2010
13.	Prepare No Further Action Completion Certificate (date)	6/30/2010
14.	Scan all docs and upload to GT2 (date)	
15.	Move the PDF doc to "Caseworker Electronic Files" to filed in the electronic case file (date)	

CASE CLOSURE SUMMARY LEAKING UNDERGROUND FUEL STORAGE TANK - LOCAL OVERSIGHT PROGRAM

I. AGENCY INFORMATION

Date: June 22, 2010

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway	
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 777-2478	
Responsible Staff Person: Paresh Khatri	Title: Hazardous Materials Specialist	

II. CASE INFORMATION

Site Facility Name: City of Oakland Redevelopment Agency / EBMUD					
Site Facility Address: 383 11 th Street, Oakland, California 94607					
RB Case No.:	RB Case No.: StID No.: LOP Case No.: RO0002947				
URF Filing Date:	Global ID No.: T0600191509	APN: 2-59-23-1			
Responsible Parties Addresses			Phone Numbers		
Mr. John Schroeter EBMUD	375 11 Street, Mail Stop 704 Oakland, CA 94607-4240		510-287-0345		
Mr. William Wilkins Oakland Redevelopment Agency 250 Frank H. Ogawa Plaza, Suite 3330 Oakland, CA 94612			510-238-6358		
Mr. Mark Gomez 250 Frank H. Ogawa Plaza, Suite 3330 Office of Public Works Oakland, CA 94612			510-238-7314		

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
1	850-gallon	Gasoline	Removed	4/23/1987
2	550-gallon	Gasoline	Removed	4/23/1987
3	550-gallon	Gasoline	Removed	4/23/1987
4	250-gallon	Waste oil	Removed	4/23/1987
	Piping		Removed	4/23/1987

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Tanks exhibited external corrosion				
Site characterization complete? Yes Date Approved By Oversight Agency:				
Monitoring wells installed? Yes		Number: 9	Proper screened interval? Yes	
Highest GW Depth Below Ground Surface: 23.62 ft bgs		Lowest Depth: 32.35 ft bgs	Flow Direction: Gradient is flat, but assumed westerly	
Most Sensitive Current Use: Potential drinking water source.				

Summary of Production Wells in Vicinity: No water supply wells were identified within a ¼ mile radius of the site (see RO0000037).				
Are drinking water wells affected? No Aquifer Name: East Bay Plain Groundwater Basin				
Is surface water affected? No Nearest SW Name: Lake Merritt located approximately 2,500 feet to the east of the subject site.				
Off-Site Beneficial Use Impacts (Addresses/Locations): None				
Reports on file? Yes Where are reports filed? Alameda County Environmental Health & Oakland Fire Prevention Bureau				

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL					
Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date		
Tank	One 850-gallon Two 550-gallon One 250-gallon	Disposal, Unreported destination	4/23/1987		
Piping	Unknown	Disposal, Unreported destination	4/23/1987		
Free Product	None reported	and the last	and yet the		
Soil	Unknown	MOVER THE	1/29/1993		
Groundwater	None reported				

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS BEFORE AND AFTER CLEANUP

(Please see Attachments for additional information on contaminant locations and concentrations)

O	Soil (ppm)	Water (ppb)	
Contaminant	Before	After	Before	After
TPH (Gas)	16,000 (MW-1, 5/26/1987)	See note 4	138,040 (B6, 10/8/1987)	<50
TPH (Diesel)	<10	<10	NA	NA
TPH (Motor Oil)	5,700 (UK-1, 4/23/1987)	See note 4	NA	NA
Benzene	48 (MW-1, 5/26/1987)	See note 4	11,025 (B6, 10/8/1987)	<0.2
Toluene	110 (MW-1, 5/26/1987)	See note 4	6,800 (MW-1, 5/28/1987)	<0.2
Ethylbenzene	28 (85, 10/9/1987)	See note 4	1,675 (B6, 10/8/1987)	<0.2
Xylenes	200 (UK-1, 4/23/1987)	See note 4	12,150 (B6, 10/8/1987)	<0.2
MTBE	NA ³	NA ³	NA ²	<5 ¹
Heavy Metals (Cd, Cr, Pb, Ni, Zn)	NA	NA	NA	NA
Other (8260/8240)	NA	NA	510 (MW-1, 5/26/1987)	NA

¹ Other VOCs analyzed (groundwater μg/L after cleanup): <5 μg/L MtBE, TBA, DIPE, ETBE, TAME, EDB, 1.2-DCA all not analyzed

Site History and Description of Corrective Actions:

The City of Oakland Redevelopment Agency / EBMUD (the subject site) is located at 383 11th Street in Oakland, California, (**Figure 1**). Land use in the immediate vicinity is commercial. Four USTs were located on 11th Street near the corner of Webster Street in downtown Oakland, California. Following the UST removals, subsurface investigations consisting of exploratory borings and monitoring well installations and remedial actions consisting of groundwater extraction and onsite soil treatment and over-excavation were conducted at the site. In the early 1990's, the Pacific Renaissance Plaza site was developed within the block boundaries of Franklin, Webster, 9th and 11th Streets. Tenth Street formerly existed between 9th and 11th Street but was incorporated into the project when the block was redeveloped by EBMUD as the EBMUD building and the Pacific Renaissance Plaza.

Four USTs located in a common excavation consisting of one 250-gallon waste oil, one 850-gallon gasoline, and two 550-gallon gasoline, were removed from the site on April 23, 1987. The tanks were located under sidewalk on 11th Street near the Webster Street intersection. Soil sample analytical results detected TPH-g and benzene at concentrations of 11,000 mg/kg and 21 mg/kg, respectively in soil sample UK-3. A groundwater sample was not collected. The USTs are illustrated on **Figure 2** and analytical results summarized on **Table 1**.

On May 26, 1987, two borings (B1 and B2) and one groundwater monitoring well (MW-1) was installed at the site. Soil sample analytical results detected TPH-g and benzene at concentrations of 16,000 mg/kg and 48 mg/kg, respectively. Groundwater sample analytical results detected TPH-g and benzene at concentrations of 66,000 μ g/L and 4,900 μ g/L, respectively. The sampling locations are illustrated on **Figure 3** and analytical results summarized on **Tables 2 and 3**.

On October 9, 1987, borings B3 through B8 were installed to characterize the site. Soil sample analytical results detected 2,800 mg/kg TPH-g [B5 @25.5 to 26 ft bgs] and 14 mg/kg benzene [B3 @ 30 to 30.5 ft bgs]. Groundwater sample analytical results detected 138,040 μ g/L TPH-g and 11,025 μ g/L benzene [B6]. The sampling locations are illustrated on **Figure 4** and analytical results summarized on **Tables 4 and 5**.

² Other VOCs analyzed (groundwater ppb before cleanup): 180 μg/L EDB, 510 μg/L 1.2-DCA , MtBE, TBA, DIPE, ETBE, TAME & EtOH all not analyzed:

³Other VOCs analyzed: MtBE, TBA, DIPE, ETBE, TAME, EDB, 1.2-DCA, & EtOH all not analyzed.

⁴Post excavation soil samples not collected, however, site was excavated to facilitate three floors of sub-grade parking NA - Not Analyzed

In March 1988, a groundwater treatment system was installed at the site. No additional reports of documents are available in the case file. However, this site was redeveloped in conjunction with the Pacific Renaissance Plaza site (RO0000037). Although few reports that document the work at the EBMUD site are within in the Pacific Renaissance Plaza case file, the case closure document for Pacific Renaissance Plaza indicates that the site remediation was conducted for the entire block, which includes this site. In addition, according to EBMUD, significant excavation was performed for site to facilitate three floors of sub-grade parking (**Figure 5**). Additional details are available in the Pacific Renaissance Plaza (RO0000037) case file.

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? Alameda County Environmental Health staff does not make specific determinations concerning public health risk. However, based upon the information available in our files to date, it does not appear that the release would present a significant risk to human health based upon current land use and conditions.

Site Management Requirements: Case closure for this fuel leak site is granted for the current commercial land use only. If any change in land use to any residential or other conservative land use scenario is proposed at this site, Alameda County Environmental Health (AECH) must be notified as required by Government Code Section 65850.2.2. ACEH will re-evaluate the case upon receipt of approved development/construction plans.

Excavation or construction activities in areas of residual contamination require planning and implementation of appropriate health and safety procedures by the responsible party (or current property owner/developer) prior to and during excavation and construction activities.

This site is to be entered into the City of Oakland Permit Tracking System due to the residual contamination on site.

Should corrective action be reviewed if land use changes? Yes.

Was a deed restriction or deed notification file	Date Recorded:			
Monitoring Wells Decommissioned: Yes	Number Retained: 0			
List Enforcement Actions Taken: None				
List Enforcement Actions Rescinded:				

V. ADDITIONAL COMMENTS, DATA, ETC.

Considerations and/or Variances:

Fuel oxygenates other than MTBE were not analyzed.

Conclusion:

Alameda County Environmental Health staff believe that the levels of residual contamination do not pose a significantly threat to water resources, public health and safety, and the environment under the current commercial land use based upon the information available in our files to date. No further investigation or cleanup for the fuel leak case is necessary unless a change in land use to any residential or other conservative land use scenario occurs at the site. ACEH staff recommend closure for the site.

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Paresh Khatri	Title: Hazardous Materials Specialist
Signature: / mythub:	Date: June 22, 2010
Approved by: Donna L. Drogos, P.E.	Title: Division Chief
Signature:	Date: 06/23/10

This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions.

VII. REGIONAL BOARD NOTIFICATION

Regional Board Staff Name: Cherie McCaulou	Title: Engineering Geologist
Notification Date:	

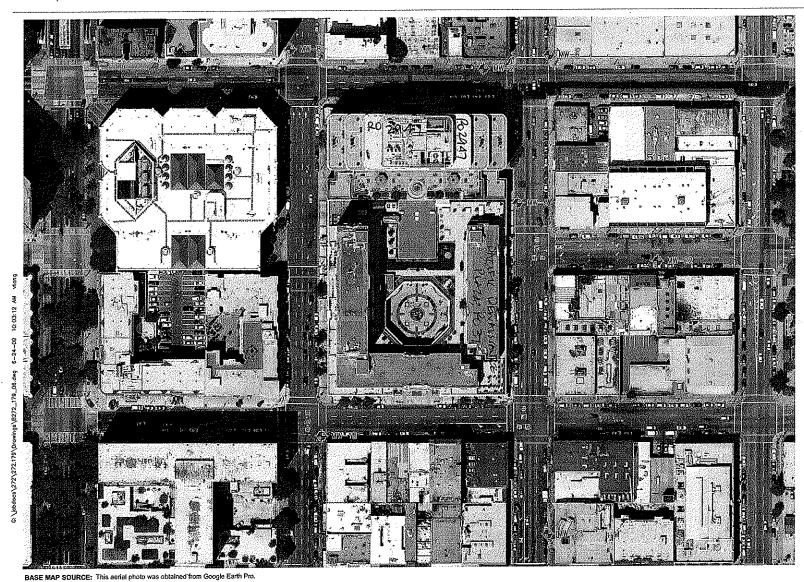
VIII. MONITORING WELL DECOMMISSIONING

Date Requested by ACEH: 7/15/2008	Date of Well Decommissioning Report: 6/26/2009				
All Monitoring Wells Decommissioned: Yes	Number Decommissioned: 9	Number Retained: 0			
Reason Wells Retained: MWs decommissioned as part of RO0000037 case closure.					
Additional requirements for submittal of groundwater data from retained wells: None					
ACEH Concurrence - Signature: Date: 6/22/2010					

Attachments:

- 1. Site Figures 1 through 5
- 2. Analytical Tables 1 through 5
- 3. Boring Logs (15 pp)

This document and the related CASE CLOSURE LETTER & REMEDIAL ACTION COMPLETION CERTIFICATE shall be retained by the lead agency as part of the official site file.

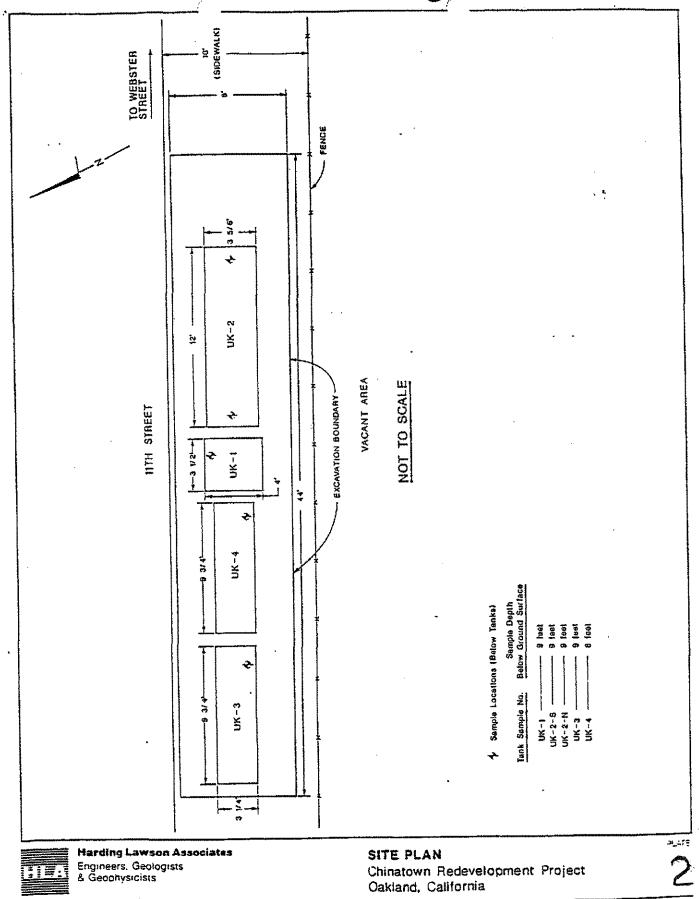


MW-1 APPROXIMATE LOCATION OF MONITORING WELL

0 100 200 FEET

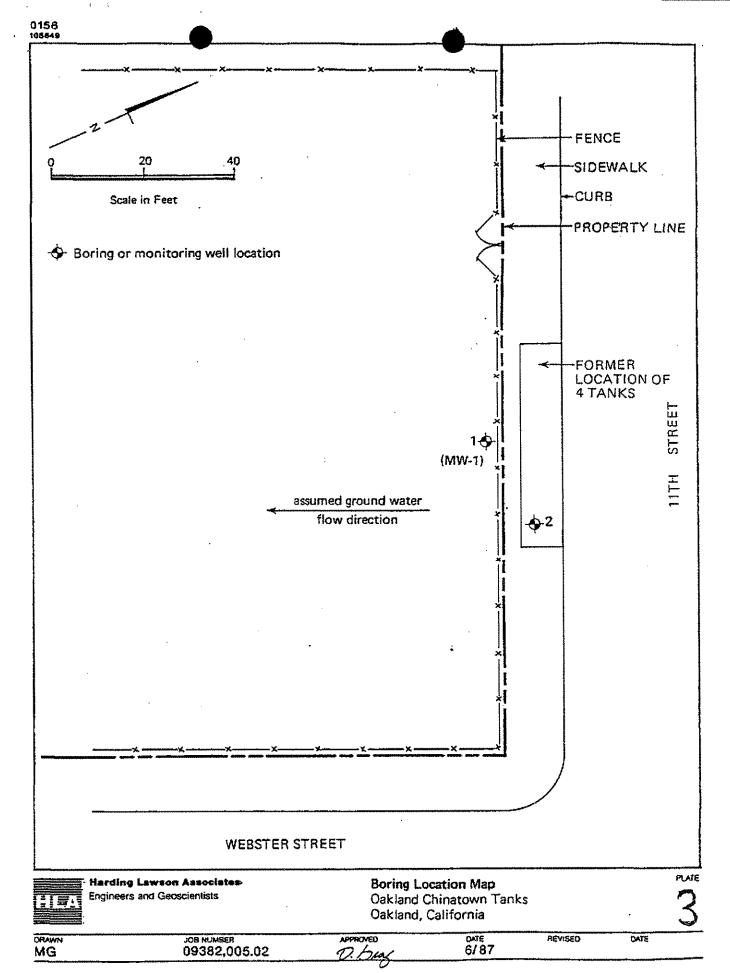
SITE PLAN Renaissance Plaza Project Oakland, California

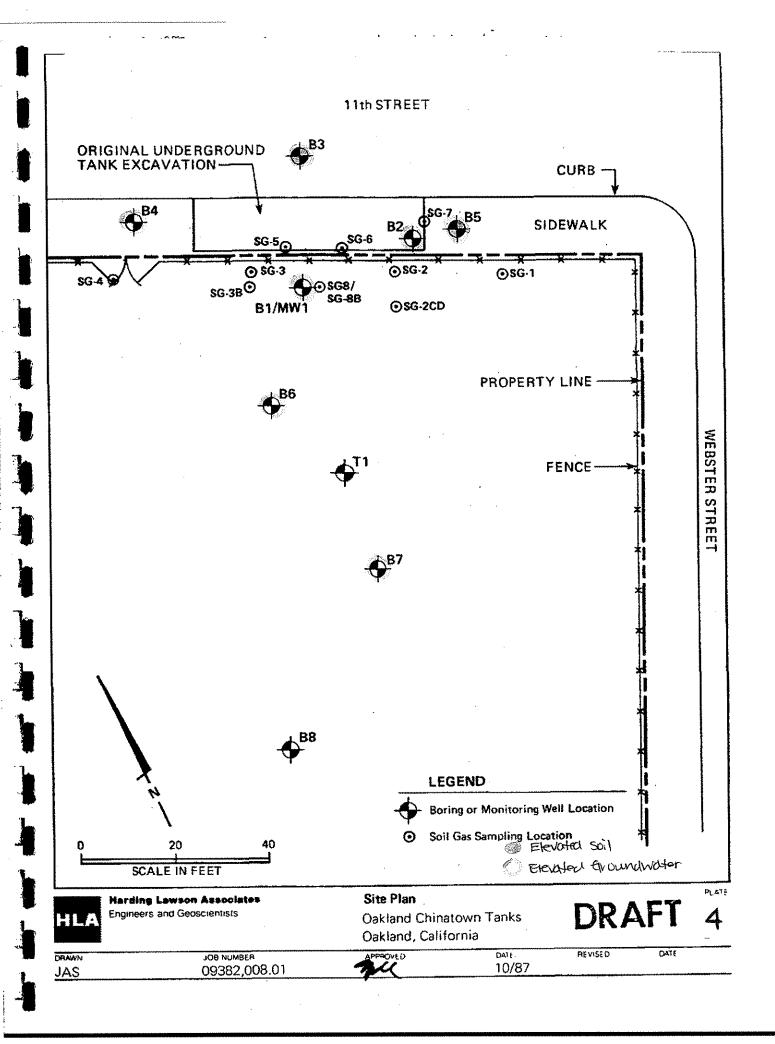
PLATE 2

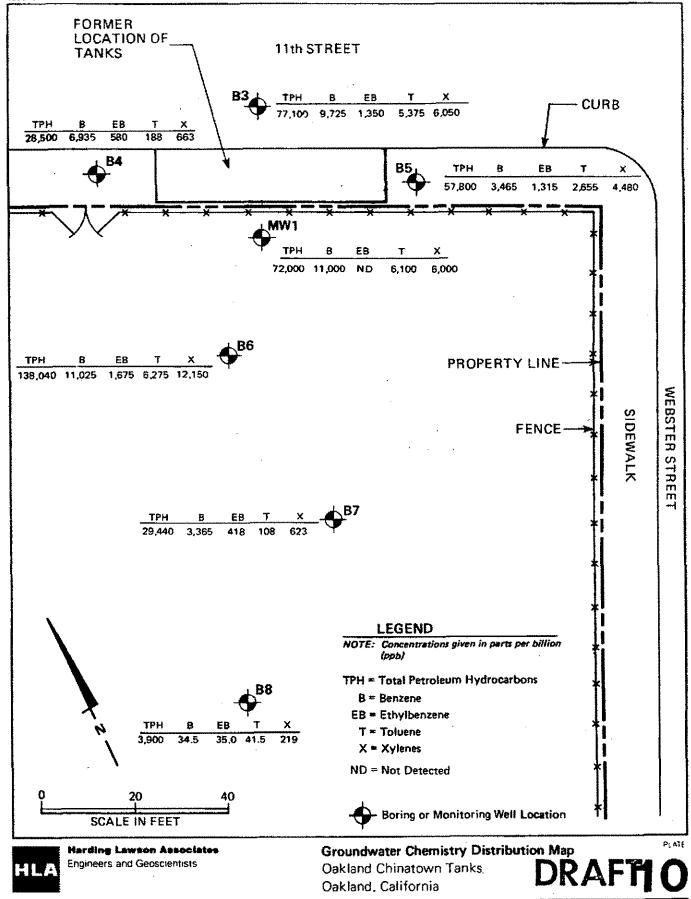


1 10次の動物に

CAJ 9382,005.02 2005.02 5/87







DRAWN JOB NUMBER APPROJED DATE REVISED DATE
JAS 09382,008.01 10/87

Approximate Limits EBMUD PROPERTY excavation EBMUD Property Line Hauling Hauling Yam D Rump AGENCY PROPERTY FRANKLIN STREE EXISTING SAFE AREA Soil Stock pile. Barricade 10th STREET Barrende Rump 40 Acration Slockpile NEW Fencie. STOCKAIC -Flagged ALENCY PRODERTY Flugsed SAFE Proposed Aeration Area. FERCEd A.REA. -Temporory Borricade AGENCY PROPERTY Parking Lot FIGURE 5 9th STREET

TABLE 1

WESCO Laboratories

Date: May 5, 1987

Client: Harding Lawson Associates

Submitted by: Sarah Prowell

Report to: Barry Robson 415-892-0821

WESCO Job#: HLA8725-L

Client Job/P.O. #: 9382,095.02

Date Collected: April 23, 1987.

Date Submitted: April 23, 1987

& Type of Samples: 5 solls

Site: City of Oakland

page 1 of 1

Lab No.	Cilent ID	Benzene mg/kg	Toluene mg/kg	Xylene mg/kg	Gasoline mg/kg
7-7901	UK-1	0.017	0.73	0.52	
7-7902	UK-2-S	2.5	18	76	3600
7-7903	UK-2-N	6.4	5.9	82	3200
7-7904	UK-3	21	30	280	11000
7-7905	UK-4	12	16	200	4600
, , , , ,	METHOD (S)		Note 1	Note 1	Note 2
Lab No.	ClientiD	Ethyl Benzene mg/kg	All 8010 Compounds mg/kg	Method II 01 Extractable Hydrocarbons mg/kg	i & Grease mg/kg
7-7901	UK-1	0.12	<0.015	· 4200*	5700
•	METHOD(S)	Note 1	Note 1	Note 3	Note 4
NOTES:	Note 1: EPA-5020/8020 Note 2: EPA-5020/8015 Note 3: SFRWQCB Method 11 Note 4: EPA-3550/APHA 503E		*Quantif	led as Motor Oll	

mill will

Analytical supervisor

14 Galli Drive, Suite A Novato, California 94947 415 563-6415 A Division of Western Econoccal Science Consess

TABLE 2



1881 S 1 MIL

Date: June 11, 1987

Client dob/P.O. #: 9382,005.02

Client: Harding Lawson Associates

Date Collected: May 26, 1987

Submitted by: Dave Hochmuth

Date Submitted: May 27, 1987

Report to: Dave Hochmuth

& Type of Samples: 4 solls

WESCO Job#: HLA8733-L

Site: Oakland Chinatown

page 1 of 1

L

Lab No.	Client ID	Benzene mg/kg	Toluene 'mg/kg	Xylene mg/kg	Gasolina mg/kg
7-8481	MW 04	0.012	<0.001	<0.001	0.43
7-8482	8002	9.8	22	74	3700
7-8483	ВооЗ	1.6	5.5	42	2400
7-8484	B004	48	110	190	16000
	METHOD(S)	Note 1	Note 1	Note 1	Note 1

NOTES: Note 1: EPA 5020/8020/8015

Analytical supervisor

WESCO Laboratories

Date: June 15, 1987

Client Job/P.O. #: 9382,005.02

Client: Harding Lawson Associates

Date Collected: May 27, 1987

Submitted by: Greg Sengelmann

Date Submitted: May 28, 1987

Report to: Dave Hochmuth

& Type of Samples: 2 waters

WESCO Job#: HLA 8735-L, 2nd EDIT

Site: Oakland Chinatown Tanks

page 1 of 1

Client ID	Gasoline mg/l	Benzene mg/l	Toluene mg/l	Xylene mg/l	Ethylbenzene mg/l	
8721-0101	66	4.9	5.8	5. 1	(0.005	
METHOD(S)	Note 1	, Note 2	Note 2	Note 2	Note 2	
Client ID	1,2-DCA	Trichloro- ethylene mg/l	1,2-dichloro- propane mg/l	- 1,1,2-tri- chloroethane mg/l		
8721-0101	0. 51	0. 036	0.003	ଡ. ଡଡ୍ଥ	0.051	
METHOD (S)	Note 3	Note 3	Note 3	Note 3	Note 3	
Client ID	ethyl vi ether	nyl EPA 601 Compounds	(EDB)*		Freon 113	
8721-0101	(0.005	(0.001	0.18		(0.001	
METHOD (S)	Note 3	Note 3	Note	3	Note 3	
	8721-0101 METHOD(S) Client ID 8721-0101 METHOD(S) Client ID	mg/l 8721-0101 66 METHOD(S) Note 1 Client ID 1,2-DCA 8721-0101 0.5i METHOD(S) Note 3 Client ID 2-chlorethyl virus ether mg/l 8721-0101 (0.005	### ### ### ### ### ### ### ### ### ##	### ### ### ### ### ### ### ### ### ##	### ### ### ### ### ### ### ### ### ##	

NOTES: Note 1: EPA Methods 5020/8015

Note 2: EPA Method 602 Note 3: EPA Method 601

*: Confirmed by liquid/liquid extraction; second column, 6C/ECD

Analytical supervisor

Table 4. Laboratory Results of Chemical Analyses of Soil Samples $^{(1)}$

Xylenes	ND ND 50,000 47,100 850	ND ND 24.3 606.0 198.0	ND 197,000 880 6,594	ND 24,900	3.4	8.4 2.5
Toluene	0.6 ND 13,400 10,000	N 3.0 61.8	0.5 10,000 100 492	000 9,000	0.7	ND 18.7
Ethy1- Benzene	ND 14,600 21,000 350	ND ND 1.0 556.0	ND 28,000 270 1,232	ND 5,600	1.9	0.1 1.0
Benzene	0.5 0.5 5,800 14,000	ND ND 11.7 740.0 525.0	8,300 21 13,047	ND 4,800	4.9	ND 1.4
Total Petroleum Hydrocarbons (as gasoline)	ND(2) ND 2,000,000 2,500,000 31,000	ND ND 120.0 1,400.0 860.0	ND 2,800,000 29,000 470,000	ND 870,000	1,100	ND 330.0
Date Sampled	10/9/87 10/9/87 10/9/87 10/9/87 10/9/87	10/9/87 10/9/87 10/9/87 10/9/87	10/9/87 10/9/87 10/9/87 10/9/87	10/8/87	10/8/87	10/8/87
Sample Depth (feet)	15.5 - 16.0 20.5 - 21.0 25.5 - 26.0 30.0 - 30.5 35.5 - 36.0	15.5 - 16.0 20.5 - 21.0 25.5 - 26.0 30.0 - 30.5 35.5 - 36.0	20.5 - 21.0 25.5 - 26.0 30.0 - 30.5 35.5 - 36.0	21.0 - 21.5 30.0 - 30.5	25.5 - 26.0	20.5 - 21.0 35.5 - 36.0
Boring No.	8 8 8 8 8	78 8 8 8 8 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9	85 85 85 85 85	98	18	88 88

 $[\]frac{1}{2}$ Concentrations in parts per billion $\frac{1}{2}$ Not detected

Table 5. Laboratory Results of Chemical Analyses of Ground-Water Samples $^{(1)}$

Other Purgeable Priority Pollutants	9	NA(3)	NA	A	A.	MA	N.
Xylenes	6,000	6,050	663	4,480	12,150	623	219
Toluene	6,100	5,375	188	2,655	6,275	108	41.5
Ethyl- Benzene	ND(2)	1,350	580	1,315	1,675	418	35.0
Benzene	11,000	9,725	6,935	3,465	11,025	3,365	74.5
Total Petroleum Hydrocarbons (as gasoline)	72,000	77,100	28,500	57,800	138,040	29,440	3,900
Date Sampled	8/28/87	10/9/87	10/9/87	10/9/87	10/8/87	10/8/87	10/8/87
Monitoring Well No. or Boring No.	N. C.	83 **	84	85 %	*** 98	: 87 9	88

1 Concentrations in parts per billion 2 Not detected 3 Not analyzed

HIEA

Ϊ.

Harding Lawson Associates

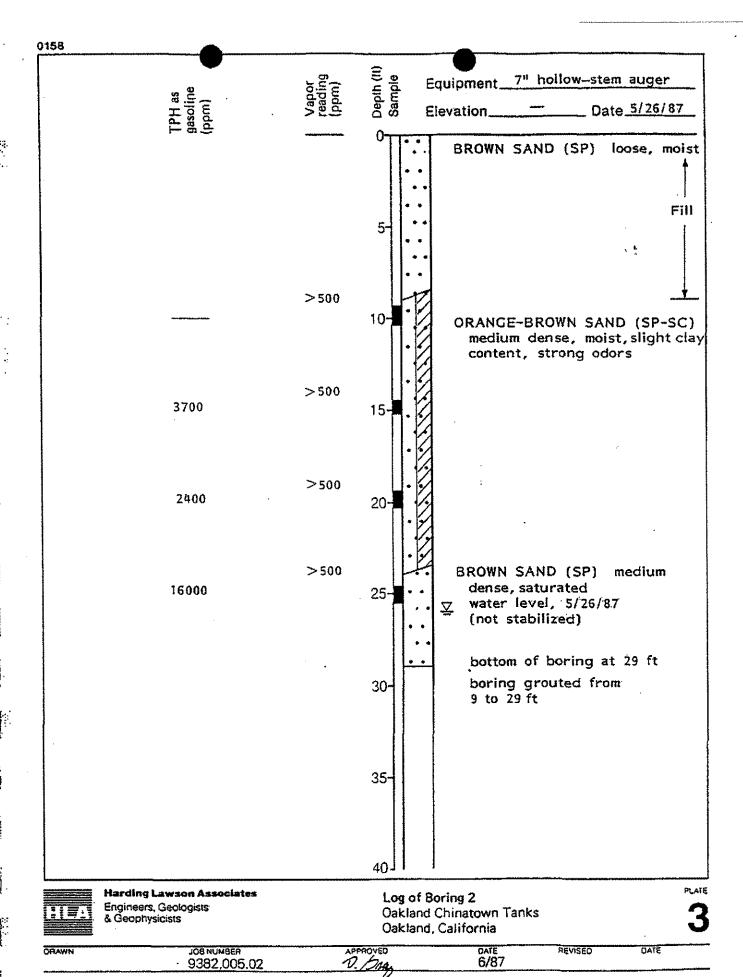
Engineers, Geologists & Geophysicists

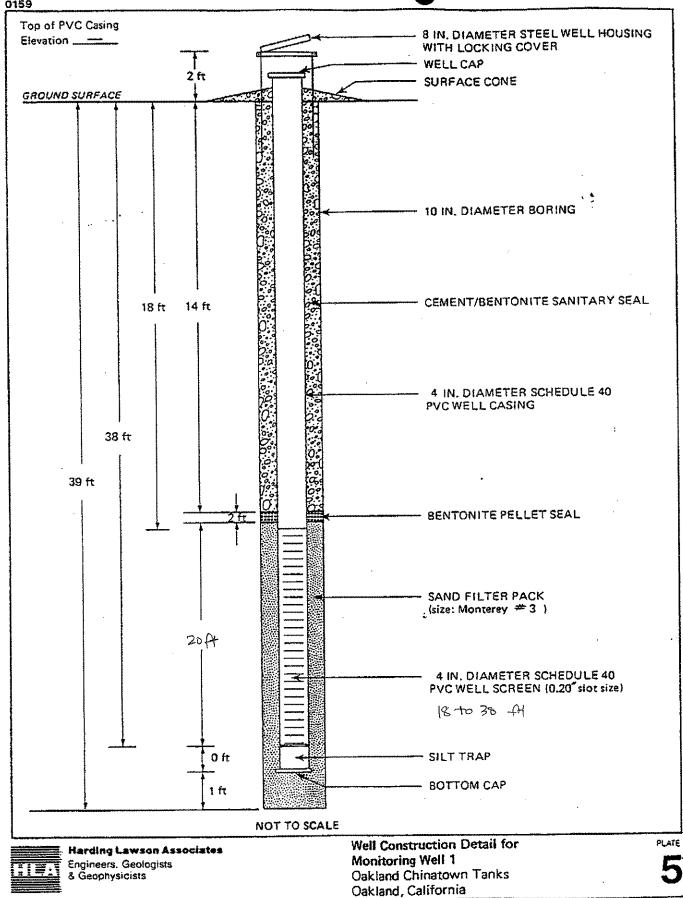
Log of Boring 1
Oakland Chinatown Tanks
Oakland, California

PLATE

2

DRAWN JOB NUMBER APPROVED DATE REVISED DATE 9382,005.02' 17 Such 6/87

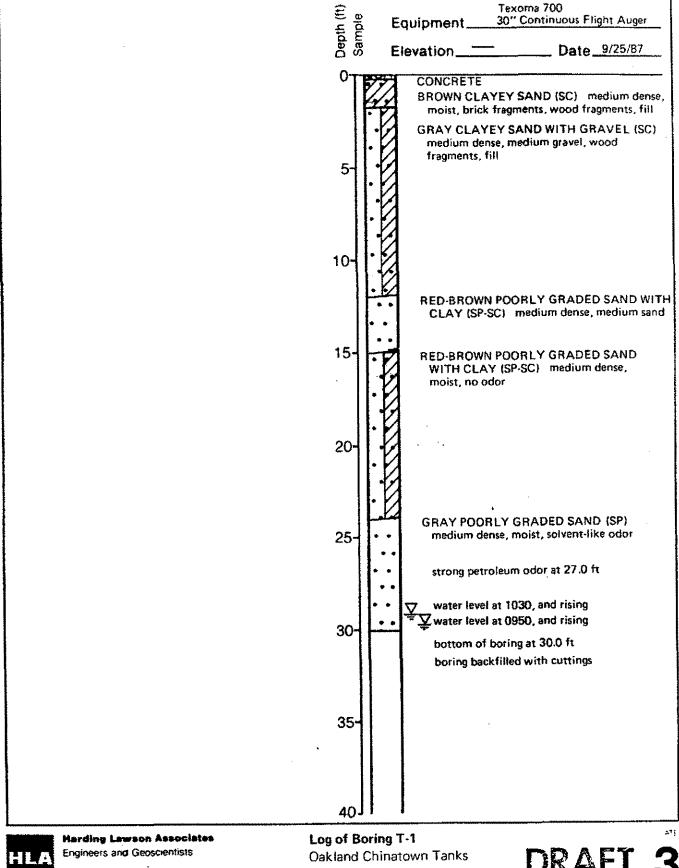




DRAWN JOB NUMBER APPROVED DATE REVISED DATE
9382,005.02 Draf 6/87

FORM GW1

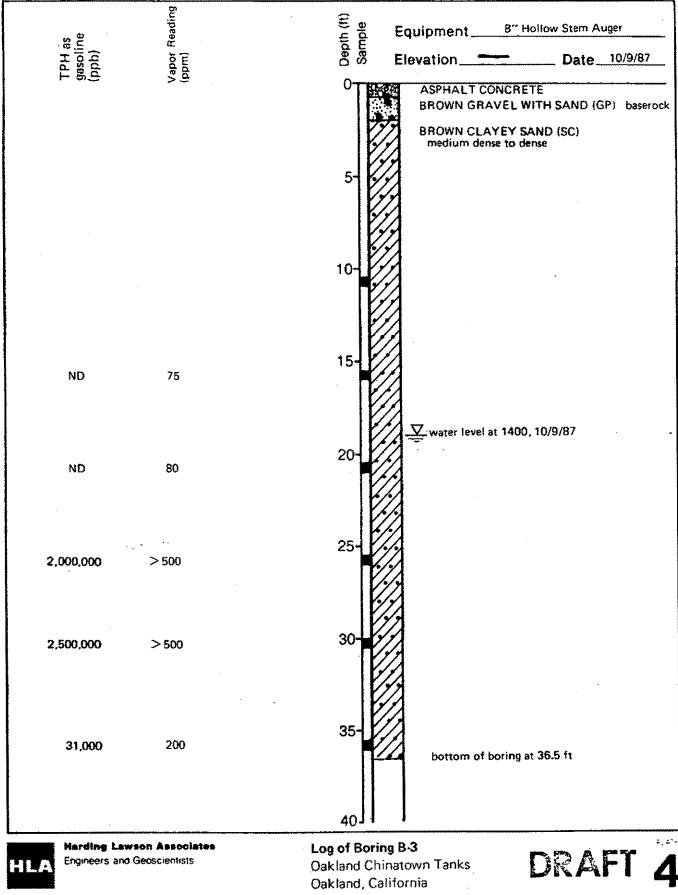
.



Oakland, California

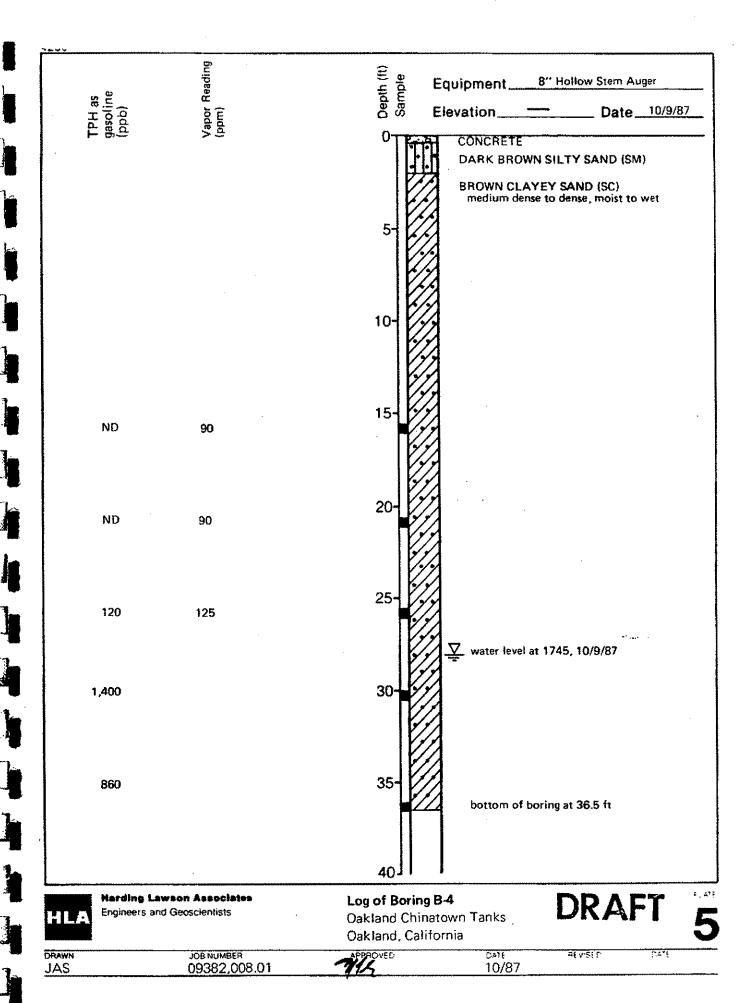
APPROVED DRAWN JOS NUMBER ALV'S: C 10/87 09382,008.01 JAS

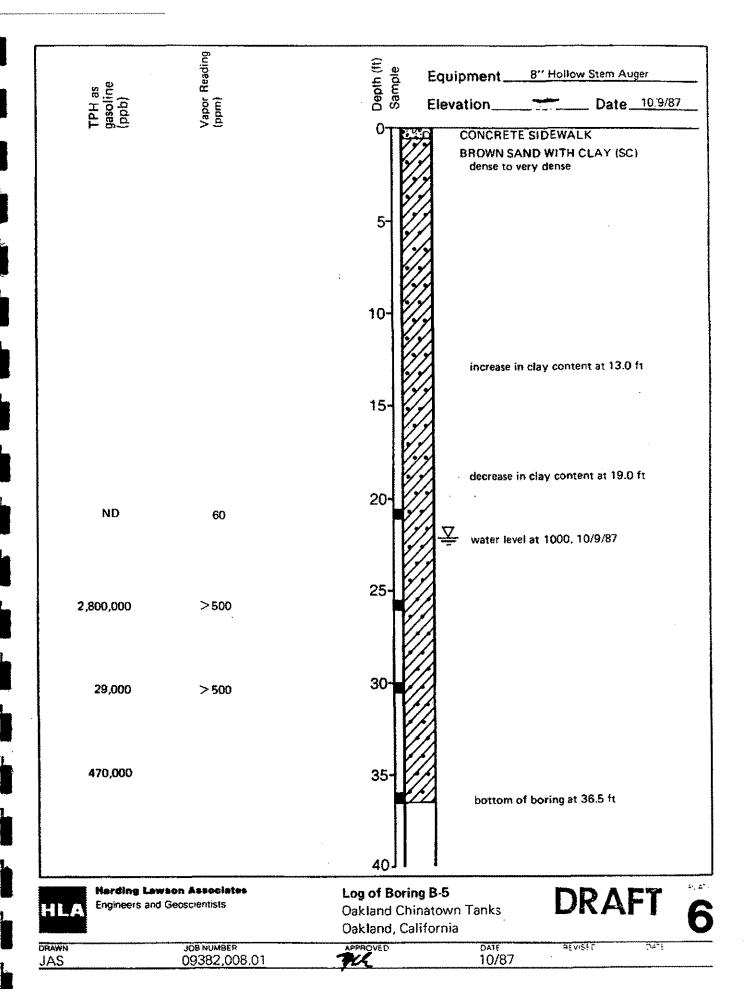
ł

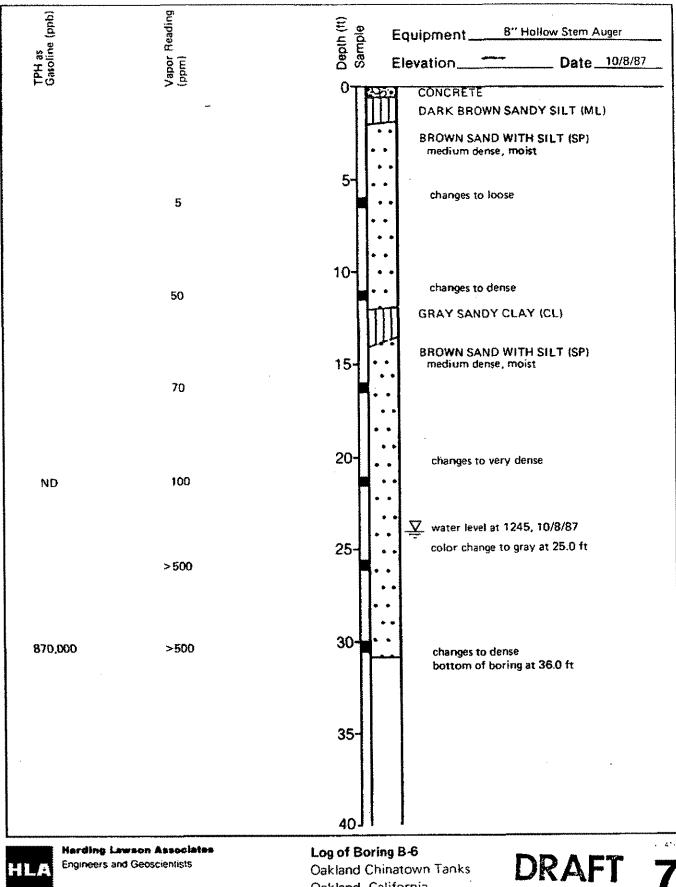


 DRAWN
 JOB NUMBER
 APPROVED
 DATE
 REVISED
 DATE

 JAS
 09382,008.01
 10/87





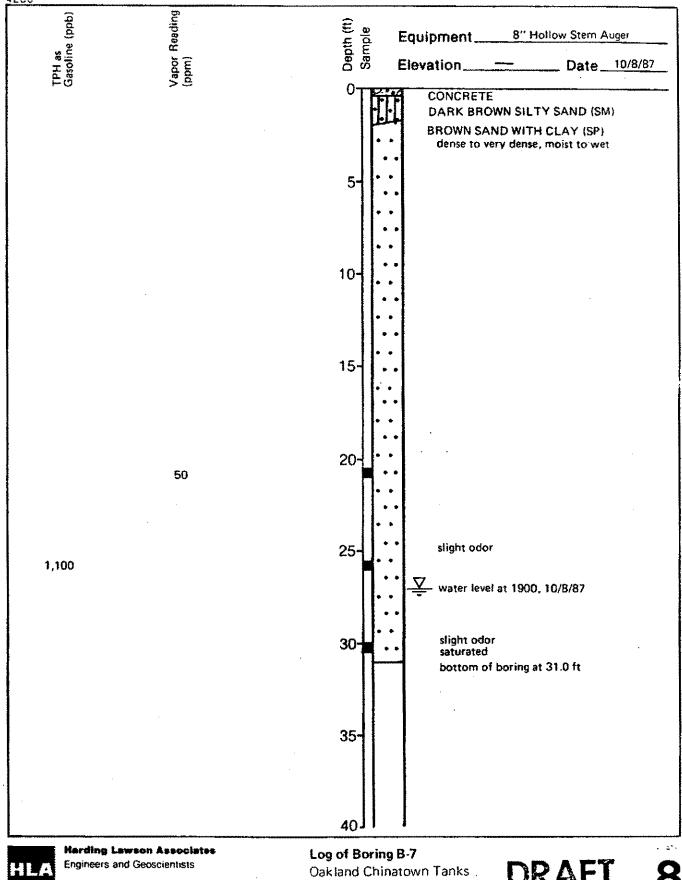


Oakland, California

3€ \ 5€ 7

JOB NUMBER 09382,008.01 DRAWN **JAS**

2140 10/87



Oakland, California

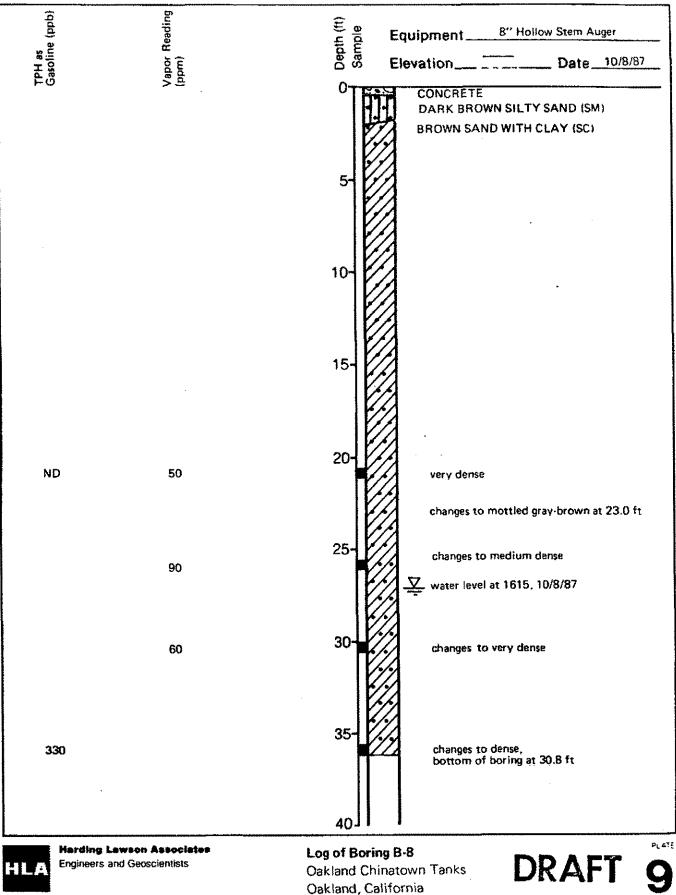
DRAFT

DRAWN JAS JOB NUMBER 09382,008.01

APPHOVED

TAI 10/87 REV SEC

7.71



DRAWN JOB NUMBER DATE REVISED 09382,008.01 10/87 <u>JAS</u>

Top of PVC Casing Equipment CME 55 Hollow Stem Auger Sample Elevation 39.55 ft Elevation_40.1 ft Date_12/8/87 See below for Well Top Detail GROUND SURFACE 12 IN. DIAMETER STEEL WELL **ASPHALT** ENGINEERED FILL HOUSING WITH LOCKING COVER DARK YELLOWISH BROWN (10YR 4/4-6/5) CLAYEY WATERPROOF WELL CAP SAND (SC) medium dense, moist, very fine grained REINFORCED CONCRETE WELL HOUSING ENCLOSURE BENTONITE-CEMENT SEAL 12 IN. DIAMETER BORING DARK YELLOWISH BROWN (10YR 5/6) SAND WITH 10 4 IN. DIAMETER SCHEDULE 40 CLAY (SP-SC) dense, moist, very fine to PVC WELL CASING fine grained 15 OLIVE (5Y 4/2) SAND WITH CLAY (SP-SC) medium BENTONITE PELLET SEAL dense, moist, very fine to fine grained 20 SAND FILTER PACK (size: Monterey #3) DARK YELLOWISH BROWN (10YR 5/6) CLAYEY SAND (SC) very dense, moist, very fine grained OLIVE (5Y 5/2-4/2) SAND (SP) dense, wet, 25 4 IN. DIAMETER SLOTTED SCHEDULE 40 PVC WELL SCREEN (0.020 in. slot size) 30 35 BROWN (10YR 4/3) SAND (SP) hard, poorly sorted, fine grained BROWN (10YR 5/3) SANDY CLAY (CL) with gravel, medium stiff, wet, fine sand and gravel OLIVE (5Y 4/3) CLAY WITH SILT (CL) moist BOTTOM CAP bottom of boring at 45.5 ft PLATE



Harding Lawson Associates

Engineers and Geoscientists

Log of Boring and Well Completion Detail MW-2 City of Oakland Chinatown Redevelopment Area Ground-Water Investigation Oakland, California

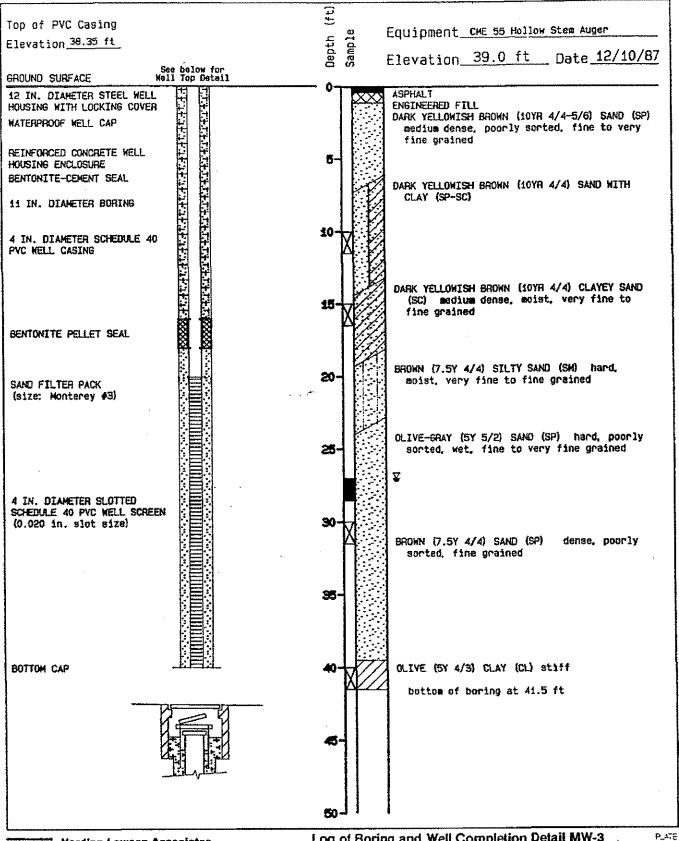
ローカンへ

APPROVED

DATE REVISED DATE

JOB NUMBER 9382, 012.02

1/88





Harding Lawson Associates Encineers and Geoscientists Log of Boring and Well Completion Detail MW-3
City of Oakland Chinatown Redevelopment Area
Ground-Water Investigation
Oakland, California

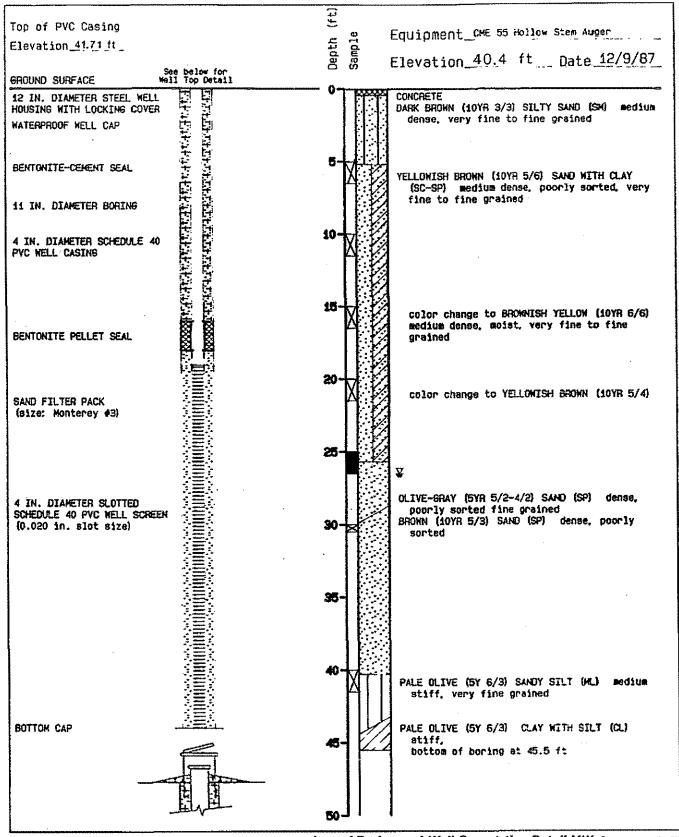
A₂

D=4AN JOB NUMBER 9382, 012.02

APPROTEC

CATE 4/00 PENSED

DATE





Harding Lawson Associates Engineers and Geoscientists

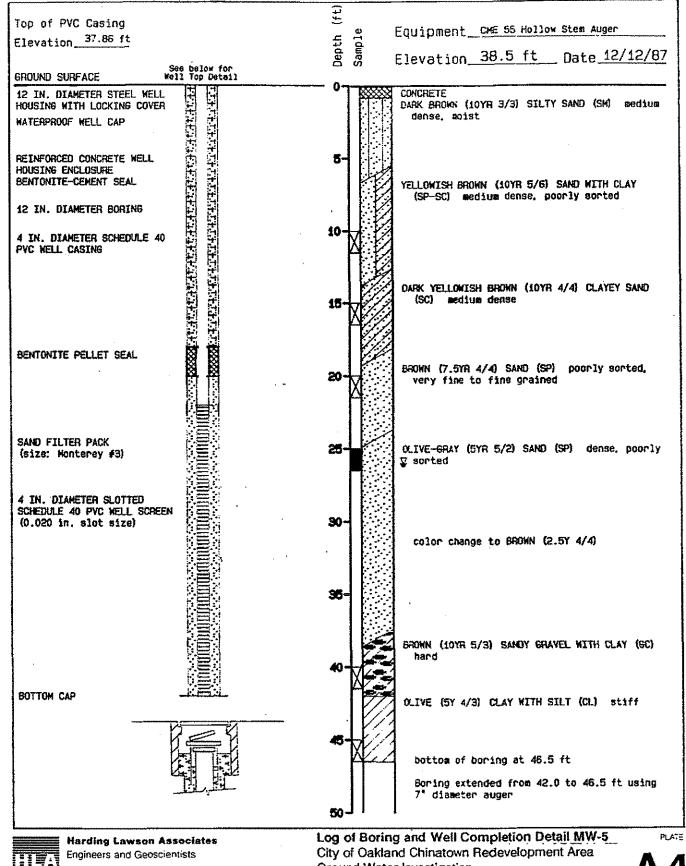
Log of Boring and Well Completion Detail MW-4 City of Oakland Chinatown Redevelopment Area Ground-Water Investigation Oakland, California

DRAWN

JOS NUMBES 9382, 012.02 APPROVED

≐EVISET

DATE 1/88



Ground-Water Investigation Oakland, California

1/88

DRAWN

JOB NUMBER 9382, 012.02 APPROVED

REVISED

€"خت

Khatri, Paresh, Env. Health

From:

Cherie MCcaulou [CMccaulou@waterboards.ca.gov]

Sent:

Wednesday, June 30, 2010 11:09 AM

To:

Khatri, Paresh, Env. Health

Subject:

Re: RO0002947; Closure Summary for City of Oakland RedevelopmentAgency/EBMUD

(T0600191509)

Paresh - Thanks for the notification. We have no objection to ACEH's recommendation for case closure of Case #RO02947 (Oakland Redevelopment Agency).

Sincerely,

Cherie McCaulou Engineering Geologist San Francisco Bay Regional Water Quality Control Board cmccaulou@waterboards.ca.gov 510-622-2342

>>> "Khatri, Paresh, Env. Health" <<u>paresh.khatri@acgov.org</u>> 6/24/2010 8:45 AM >>> Hello Cherie,

Attached is a closure summary for RO0002947; City of Oakland Redevelopment Agency/EBMUD located at 383 11th Street in Oakland to comply with the RWQCB's 30-day review period. If no comments from the RWQCB are received within the 30-day review period, ACEH's will proceed with case closure.

Please contact me should you have any comments or questions regarding the subject site.

Sincerely,

Paresh C. Khatri Hazardous Materials Specialist Alameda County Environmental Health Local Oversight Program 1131 Harbor Bay Parkway Alameda, CA 94502-6577

Phone: (510) 777-2478 Fax: (510) 337-9335

E-mail: Paresh.Khatri@acgov.org

http://www.acgov.org/aceh/lop/lop.htm

<u>Confidentiality Notice</u>: This e-mail message, including any attachments, is for the sole use of intended recipient(s) and may contain confidential and protected information. Any unauthorized review, use, disclosure, or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message.