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

RAFAT A. SHAHID, DIRECTOR

Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510)567-6700 FAX (510)337-9335 cc:458

REMEDIAL ACTION COMPLETION CERTIFICATION

February 5, 1996

Attn: Marc Silvani
California Glass Company
155 - 98th Ave
Oakland CA 94603

Dear Mr. Silvani:

UNDERGROUND STORAGE TANK (UST) CASE
California Glass Company
155 - 98th Ave
Oakland CA 94603
SITE NO. 3848

This letter confirms the completion of site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Enclosed is the Case Closure Summary for the referenced site for your records.

Based upon the available information, including the current land use, 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 storage tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, California Code of Regulations, Division 3, Chapter 16, Section 2721 (e). If a change in land use is proposed, the owner must promptly notify this agency.

Please telephone Amy Leech at (510)567-6700 if you have any questions regarding this matter.

Sincerely,

Jun Makishima, Interim Director

ATTACHMENT

c: Bruce Hageman, Hageman-Aguiar Inc., 3732 Mt. Diablo Blvd. Suite 372, Lafayette, CA 94549
Kevin Graves, RWQCB
Mike Harper, SWRCB w/attachment
Acting Chief of Environmental Protection Division
Files(ALL)

ALAMEDA COUNTY
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RAFAT A. SHAHID, DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700

StId 3848

November 1, 1995

Attn: Marc Silvani
California Glass Company
155 - 98th Ave
Oakland CA 94603

Subject: Case Closure for California Glass Company located at 155 - 98th Ave., Oakland, CA 94603

Dear Mr. Silvani:

The Alameda County Department of Environmental Health, Environmental Protection Division and the San Francisco Regional Water Quality Control Board have reviewed the case closure summary for the above referenced site and concur that no further action related to the release from the two former underground storage tanks is required at this time. Before a remedial action completion letter is sent, the on-site monitoring wells should be decommissioned, if they will no longer be monitored. Please notify this office upon completion of well destruction or of your intentions to continue monitoring so that a closure letter can be issued.

Please call me at (510)567-6755 if you have questions.

Sincerely,

Amy Leech
Hazardous Materials Specialist

c: Acting Chief of Environmental Protection - File(ALL)

01-2123

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

CALIFORNIA REGIONAL WATER
OCT 10 1995
QUALITY CONTROL BOARD

I. AGENCY INFORMATION

Agency name: **Alameda County-HazMat**
Date:City/State/Zip: **Alameda, CA 94502**
Responsible staff person: **Amy Leech**
Date: **09/12/95**
Address: **1131 Harbor Bay Pkwy**
Phone: **(510) 567-6700**
Title: **Hazardous Materials Spec.**

II. CASE INFORMATION

Site facility name: **California Glass Company**
Site facility address: **155 - 98th Avenue, Oakland,CA 94603**
RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.:**3848**
URF filing date: 02/07/95 SWEEPS No: **N/A**

Responsible Parties:	**Addresses:**	**Phone Numbers:**
Attn: Marc Silvani	155 - 98th Ave	(510)635-7700
California Glass Co.	Oakland CA 94603	

Tank No:	**Size in gal.:**	**Contents:**	**Closed in-place or removed?:**	**Date:**
1	12,000	Diesel	removed	12/01/94
2	10,000	Gasoline	removed	12/02/94

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: **Unknown**

Site characterization complete? **Yes**

Date approved by oversight agency: **09/12/95**

Monitoring Wells installed? **Yes** Number: **3**
Proper screened interval? **Yes**

Flow direction: **South-Southeast and Southwest**

Most sensitive current use: **Commercial**

Are drinking water wells affected? **No** Aquifer name: **N/A**

Is surface water affected? **NO** Nearest affected SW name:**N/A**

Off-site beneficial use impacts (addresses/locations): **Not Known**

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

ENVIRONMENTAL PROTECTION
95 OCT 20 PM 2:09

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (cont'd)

Treatment and Disposal of Affected Material:

Material	Amount (include units)	Action (Treatment of Disposal w/destination)	Date
Tank	2 USTs	Erickson, Inc. 255 Par Blvd., Richmond, CA	12/1&2/94
Product/Water	945 gallons	Alviso Oil 5002 Archer St., Alviso, CA	11/30/94
Soil	126 c.y.	BFI Vasco Road, Livermore, CA	01/11/95

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)	
	Before[1]	After[2]	Before[4]	After[5]
TPH (Gasoline)	230	37	5,900	ND
TPH (Diesel)	170[3]	170[3]	150	"
Benzene	0.210	0.020	16	"
Toluene	0.210	0.023	11	"
Ethylbenzene	0.170	0.050	9.6	"
Xylene	0.590	0.074	19	"
Total Lead	14	7.8	ND	NT

1 Before Soil sample collected at the west end of the gasoline UST pit before overexcavation.
2 After Soil sample collected at the east end of the gasoline UST pit.
3 Soil collected from boring EA-2 at 5 feet bgs
4 Before Water is a "grab" groundwater sample collected from the gasoline pit.
5 After Water is the results of the 6/95 groundwater monitoring.

Comments (Depth of Remediation, etc.):
Overexcavation of soil was completed at the west end of the gasoline UST pit. Confirmation results after the overexcavation identified trace amounts of TPHg and BTEX.

IV. CLOSURE

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

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

Does corrective action protect public health for current land use? **YES**

Should corrective action be reviewed if land use changes? **YES**

Monitoring wells Decommissioned: **NO**
Number Decommissioned: **N/A** Number Retained: **3**

List enforcement actions taken: **None**

List enforcement actions rescinded: **N/A**

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Amy Leech Title: Hazardous Materials Spec.
Signature: Amy Leech Date: 10/2/95

Reviewed by
Name: Juliet Shin Title: Sr. Hazardous Mat. Spec.
Signature: Juliet Shin Date: 9/29/95

Name: Eva Chu Title: Hazardous Materials Spec.
Signature: Eva Chu Date: 9/29/95

VI. RWQCB NOTIFICATION

Date Submitted to RB: RB Response: Approved
RWQCB Staff Name: Kevin Graves, P.E.
Title: Assoc. Water Resources Control Engineer
Signature: Kevin Graves Date: 10/16/95

VII. ADDITIONAL COMMENTS

On December 1 & 2, 1995, two underground storage tanks (USTs) were removed from the California Glass Company located at 155 - 98th Street in Oakland: one 12,000-gallon diesel UST and one 10,000-gallon gasoline UST. The tar wrapping of the diesel UST was minimally degraded, and no holes were observed in either of the tanks. The tanks were approximately located 20 feet apart in separate pits. See attachment 1 for site map. Groundwater was observed in each pit at approximately 8.5 feet bgs.

ADDITIONAL COMMENTS (cont'd)

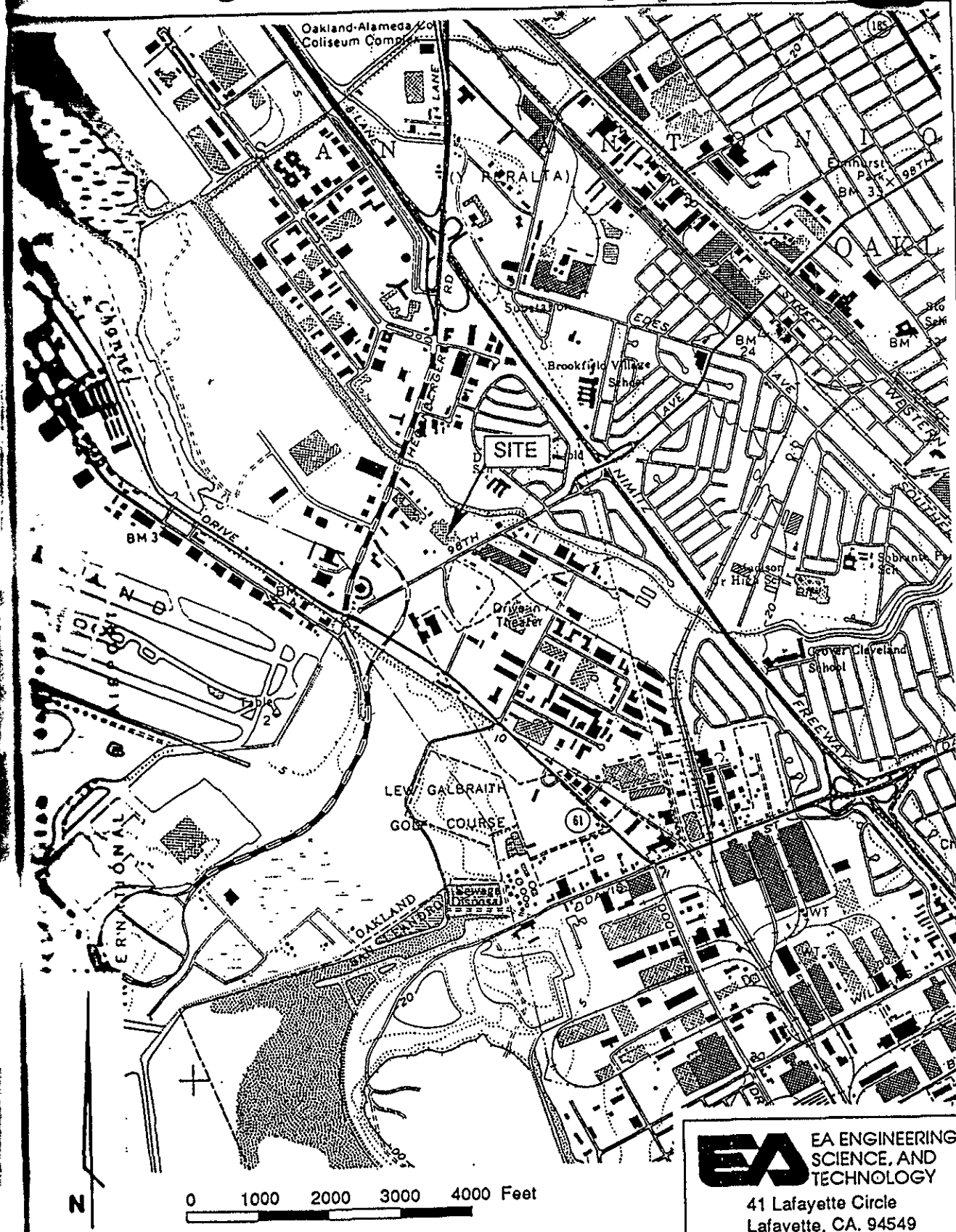
On December 1, 1994, a "grab" groundwater sample and sidewall soil samples were collected within the native heavy clay at the soil/water interface at all four sides of the diesel UST pit. Analytical results from these samples were ND for TPHg&d and BTEX.

On December 2, 1994, a "grab" groundwater sample and two sidewall samples were collected at both ends of the gasoline UST pit. Elevated levels of TPHg&d and BTEX were identified in both the soil and groundwater samples. 37 ppm TPHg and trace levels (<1ppm) BTEX were identified in the sample collected from the east end of the tank pit underneath the location of the pump. 230 ppm TPHg and trace levels (1<ppm) of BTEX were identified in the sample collected from the west end of the tank pit. 5,900 ppb TPHg, 150 ppb TPHd and 16/11/9.6/19 ppb BTEX, respectively, were identified in the "grab" groundwater sample.

Overexcavation of soil at the west end of the gasoline UST pit occurred on December 20, 1994. Confirmation soil samples identified trace levels of TPHg (up to 3.5 ppm) and BTEX (<1ppm).

Three groundwater monitoring wells (EA1 - EA3) were installed in March 1990 at this site to determine soil and groundwater conditions in the vicinity of the subject USTs after the current owner acquired the property. See attachment 2 for boring logs. Soil samples collected at 5' and 10' bgs from the three borings identified up to 170 ppm TPHd and ND for BTEX (EA2@5'). See attachment 3 for results. Groundwater was sampled and analyzed from monitoring wells EA-1, EA-2, and EA-3 for three quarters (4/90, 2/95, 6/95) over the past five years. Low levels of TPHd (<=310ppb) were detected in all three monitoring wells. No TPHg or BTEX (except for 2.1 ppb toluene detected in EA-3 in 4/90) has been detected. See attachment 4.

Residual soil contamination was removed during overexcavation activities and it appears that groundwater has been minimally impacted at this site. Further investigation is not warranted.



EA ENGINEERING, SCIENCE, AND TECHNOLOGY
41 Lafayette Circle
Lafayette, CA. 94549

Figure 1. Location and topography of the California Glass Company, 155 98th Avenue, Oakland, California.

Drawn	Date
Reviewed KSF	Date 4/23/90

Site Map →

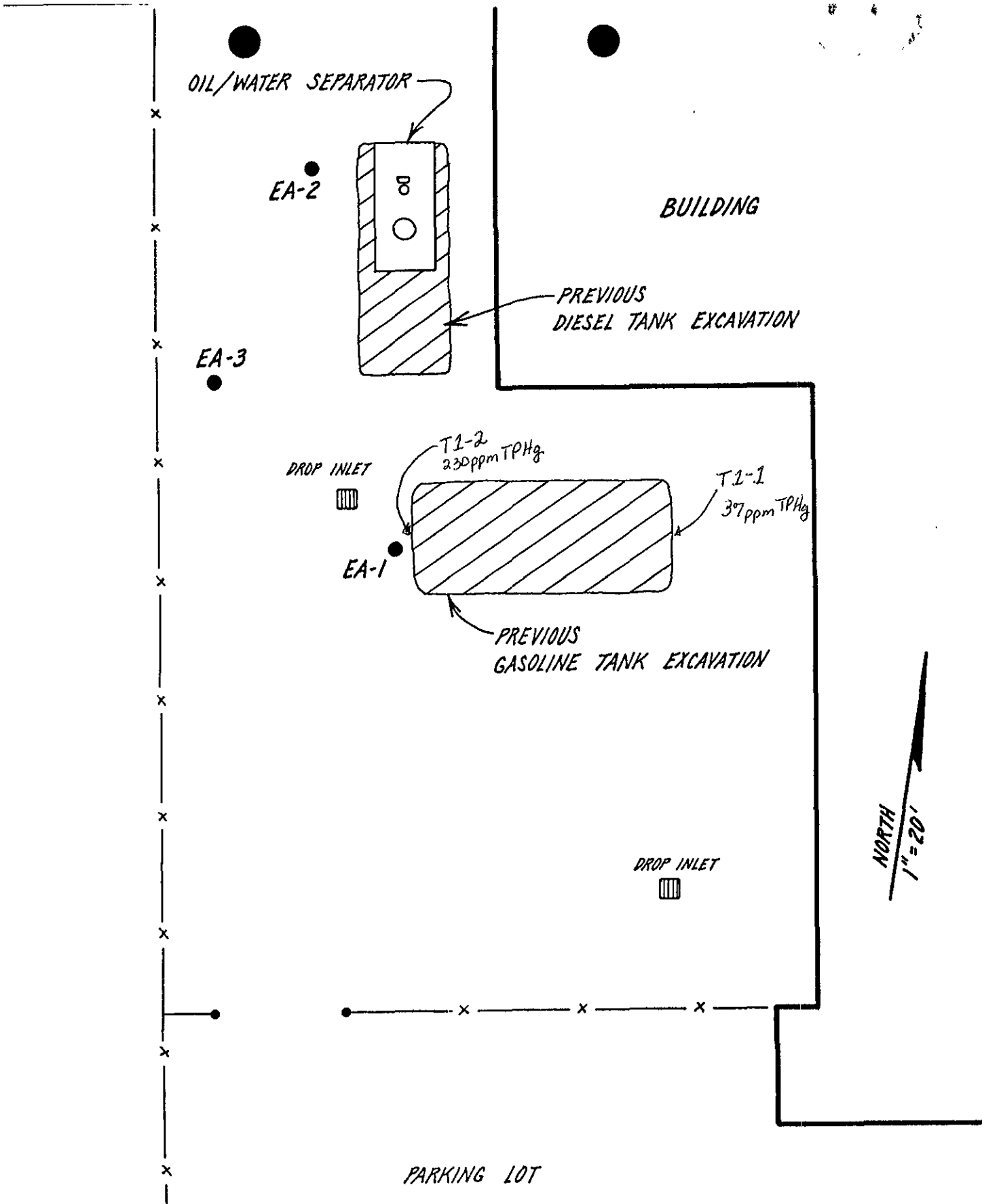


FIGURE 2.
Site Map.

(2)

EA ENGINEERING, SCIENCE, AND TECHNOLOGY

LOG OF SOIL BORING **EA1**

Coordinates: West end of south UST

Elevation top of casing:

Casing below surface:

CLIENT	JOB NUMBER	LOCATION
California Glass	11473.01	98th Street Oakland, CA

DRILLING AND SAMPLING METHODS: D - 10" ϕ hollow stem auger; S - 2" ϕ split spoon sampler

				DRILLING START	DRILLING FINISH
WATER LEVEL	10'	7:1/2'			
TIME	0907			TIME 0840	TIME 0930
DATE	2/26/90	2/26/90			
REFERENCE	Asphalt	Asphalt		DATE 3/26/90	DATE 3/26/90

SURFACE CONDITIONS: Asphalt with gravel.

DESCRIPTION by: Kirk Hilbelink

Inches Driven	Inches Recover	Blows/6" Sampler	OVA Reading	WELL DETAIL	DEPTH (Feet)	GRAPHIC LOG
					0	
					1	
					2	
					3	CL
		2			4	
18	18	4	5'		5	
		6			6	
					7	
					8	
		1			9	
18	18	2	10'		10	CL
		3			11	
					12	
					13	
		2			14	
18	18	9	15'		15	
		14			16	GP
					17	
					18	
					19	
					20	

Dark, black, crumbly clay; rolls together, petroleum odor.

Black, sticky clay w/gray, soft clay; plant material, roots, etc. No odor.

Poorly sorted, subrounded to well-rounded sandy gravel saturated with water.

EA ENGINEERING, SCIENCE, AND TECHNOLOGY

LOG OF SOIL BORING **EA2**

Coordinates: West of north UST

Elevation top of casing:

Casing below surface:

CLIENT	SITE NUMBER	LOCATION
California Glass	11473.01	98th Street Oakland, CA

DRILLING AND SAMPLING METHODS: D - 10" ϕ hollow stem auger; S - 2" ϕ split spoon sampler

				DRILLING START	DRILLING FINISH
WATER LEVEL	10'	9'			
TIME	1215			TIME 1122	TIME 1316
DATE	2/26/90	2/26/90			
REFERENCE	Asphalt	Asphalt		DATE 3/26/90	DATE 3/26/90

SURFACE CONDITIONS: Asphalt/gravel.

DESCRIPTION by: Kirk Hilbelink

Inches Driven	Inches Recover	Blows/6" Sampler	OVA Reading	WELL DETAIL	DEPTH (Feet)	GRAPHIC LOG
					0	
					1	CL
					2	
					3	Black
		1			4	Gray
18	18	2	5'		5	
		2			6	
					7	
					8	
		1			9	
18	18	3	10'		10	
		4			11	CL
					12	
					13	
		1			14	
18	18	1	15'		15	
		6			16	GP
					17	
					18	
		6			19	
18	18	12	20'		20	
		12				

Gray, moist clay with gravel 3.5 ft at gray/black contact.

Black, stiff clay.

Poorly sorted subangular, subrounded sandy gravel. Highly saturated with water.

Same as above but with more fine sand and silt. No odor.

EA ENGINEERING, SCIENCE, AND TECHNOLOGY

LOG OF SOIL BORING **EA3**

Coordinates: West edge of parking lot

Elevation top of casing:

Casing below surface:

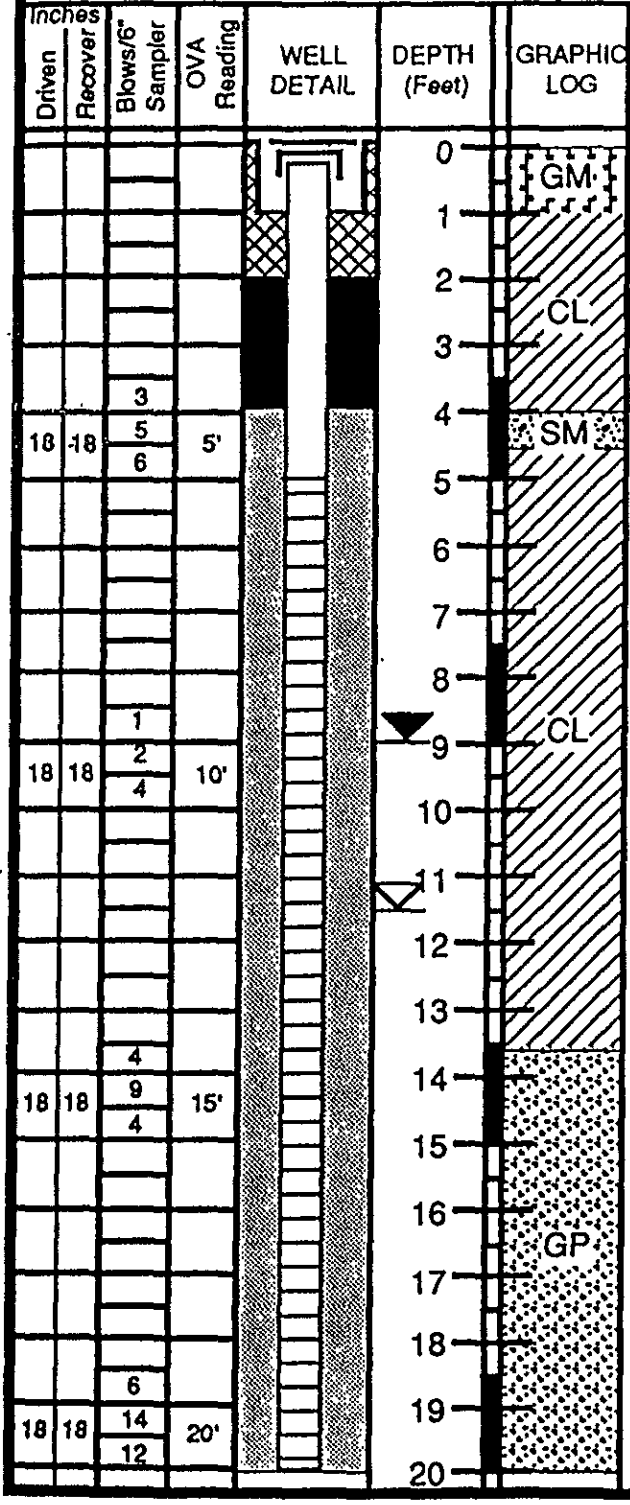
CLIENT	JOB NUMBER	LOCATION
California Glass	11473.01	98th Street Oakland, CA

DRILLING AND SAMPLING METHODS: D - 10" ø hollow stem auger; S - 2" ø split spoon sampler

				DRILLING START	DRILLING FINISH
WATER LEVEL	11.5'	9.0'			
TIME	0920	0936		TIME 0855	TIME 0950
DATE	3/27/90	3/27/90		DATE 3/27/90	DATE 3/27/90
REFERENCE	Asphalt	Asphalt			

SURFACE CONDITIONS: Asphalt/Gravel.

DESCRIPTION by: Kirk Hilbelink



Black dry clay w/organics, no odor. Medium grained sand layer ~6" thick at 4 feet.

Gray, moist clay w/organics; balls up easily. No odor.

Poorly sorted sand with up to .25 inch pebbles, saturated with water.

Same as above but with larger diameter matrix (up to 1/2 inch).

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TABLE 2 SOIL SAMPLE ANALYTICAL RESULTS (mg/kg), CALIFORNIA GLASS COMPANY, OAKLAND, CALIFORNIA, 26 MARCH 1990

Borehole	Sample Depth (feet)	TPH (gasoline)	TPH (diesel)	Benzene	Toluene	Xylenes	Ethylbenzene
EA1	5	<1.0	<10	<0.005	<0.005	0.019	<0.005
	10	<1.0	<10	<0.005	<0.005	<0.005	<0.005
EA2	5	<1.0	170	<0.005	<0.005	<0.005	<0.005
	10	<1.0	19	<0.005	<0.005	<0.005	<0.005
EA3	5	<1.0	12	<0.005	<0.005	<0.005	<0.005
	10	<1.0	<10	<0.005	<0.005	<0.005	<0.005

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TABLE 3.

Shallow Groundwater Sampling Results

Well	Date	TPH as Gasoline (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	TPH as Diesel (ug/L)
EA-1	04-03-90	ND	ND	ND	ND	ND	(*)
	02-13-95	ND	ND	ND	ND	ND	130
	06-05-95	ND	ND	ND	ND	ND	ND
EA-2	04-03-90	ND	ND	ND	ND	ND	(*)
	02-13-95	ND	ND	ND	ND	ND	310
	06-05-95	ND	ND	ND	ND	ND	ND
EA-3	04-03-90	ND	ND	2.1	ND	ND	(*)
	02-13-95	ND	ND	ND	ND	ND	280
	06-05-95	ND	ND	ND	ND	ND	ND
Detection Limit		50	0.5	0.5	0.5	0.5	50

ND = Not Detected

(*) = Diesel was not detected, but at a detection limit of 1,000 ug/L