

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES

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

REMEDIAL ACTION COMPLETION CERTIFICATION

StID 3069 - 2601 35th Ave, Oakland, CA
(1-2,000 and 4-500 gallon tanks removed in August 21,
1991)

June 27, 1997

Mr. Jim Johnson
Saab Saver
2601 35th Avenue
Oakland, CA 94619

Dear Mr. Johnson:

This letter confirms the completion of 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 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 Title 23, Section 2721(e) of the California Code of Regulations.

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

Sincerely,

Mee Ling Tung, Director

cc: Chief, Division of Environmental Protection
Kevin Graves, RWQCB
Dave Deaner, SWRCB (with attachment-case closure summary)
Leroy Griffin, OFD
files-ec (saab.3)

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

RO#1105

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

StID 3069

June 27, 1997

Mr. Jim Johnson
Saab Saver
2601 35th Ave
Oakland, CA 94619

Re: Fuel Leak Site Case Closure for Saab Saver, at
2601 35th Ave, Oakland, CA 94619

Dear Mr. Johnson:

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 Protection Division 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:

- o up to 1,400 parts per million total petroleum hydrocarbons as gasoline (ppm TPHg) and 1,900 ppm TPH as diesel remain in soil below the former USTs, dispenser islands and product piping.

If you have any questions, please contact me at (510) 567-6762.

eva chu
Hazardous Materials Specialist

enclosure:

1. Case Closure Letter
2. Case Closure Summary

c: Frank Kliever, City of Oakland-Planning, 1330 Broadway,
2nd Floor, Oakland, CA 94612
files (saab.4)

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: February 5, 1997

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

II. CASE INFORMATION

Site facility name: **Saab Saver**
 Site facility address: **2601 35th Ave, Oakland, CA 94619**
 RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: **3069**
 URF filing date: **1/8/92** SWEEPS No: **N/A**

<u>Responsible Parties:</u>	<u>Addresses:</u>	<u>Phone Numbers:</u>
Jim Johnson	2601 35th Ave	
Saab Saver	Oakland, CA 94619	

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	2,000	Gasoline/Diesel	Removed	8/21/91
2	500	Waste Oil	"	"
3	500	Gasoline	"	"
4	500	"	"	"
5	500	"	"	"

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: **Unknown**
 Site characterization complete? **YES**
 Date approved by oversight agency: **1/30/97**
 Monitoring Wells installed? **Yes** Number: **3**
 Proper screened interval? **Yes**
 Highest GW depth below ground surface: **5.90'** Lowest depth: **10.81'** in MW-1
 Flow direction: **Northwest**
 Most sensitive current use: **Commercial**
 Are drinking water wells affected? **No** Aquifer name: **Unknown**
 Is surface water affected? **No** Nearest affected SW name: **NA**
 Off-site beneficial use impacts (addresses/locations): **None**

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

Treatment and Disposal of Affected Material:

<u>Material</u>	<u>Amount</u> <u>(include units)</u>	<u>Action (Treatment</u> <u>or Disposal w/destination)</u>	<u>Date</u>
Tank Piping	5 USTs	Disposed by Erickson, Richmond, CA	8/21/91

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)	
	Before ¹	After ²	Before	After
TPH (Gas)	1,400		110	100
TPH (Diesel)	1,900		ND	ND
Benzene	ND		ND	ND
Toluene	0.98		ND	ND
Ethylbenzene	27		ND	ND
Xylenes	20		ND	ND
MTBE	NA		7	18
Oil & Grease		ND	ND	NA
Heavy metals Cr/Ni	110/400		19/43 ³	
Other	8270		ND	
	8010		ND	

- NOTE: 1 soil collected during UST removal, 8/91
 2 no overexcavation. All soil was placed back into visqueen-lined pit
 3 metal concentrations do not exceed CA MCLs for primary drinking water

Comments (Depth of Remediation, etc.):

See Section VII, Additional Comments, etc...

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**
 Site management requirements: **None**
 Should corrective action be reviewed if land use changes? **YES**
 Monitoring wells Decommissioned: **No**
 Number Decommissioned: **0** Number Retained: **3, pending site closure**
 List enforcement actions taken: **None**
 List enforcement actions rescinded: **NA**

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: **Eva Chu** Title: **Haz Mat Specialist**

Signature: *Eva Chu* Date: *2/19/97*

Reviewed by

Name: **Madhulla Logan** Title: **Haz Mat Specialist**

Signature: *Madhulla Logan* Date: *2/5/97*

Name: **Thomas Peacock** Title: **Supervisor**

Signature: *Thomas Peacock* Date: *2-18-97*

VI. RWQCB NOTIFICATION

Date Submitted to RB: *2/20/97* RB Response: *Approved*

RWQCB Staff Name: **Kevin Graves** Title: **AWRCE**

Signature: *Kevin Graves* Date: *3-18-97*

VII. ADDITIONAL COMMENTS, DATA, ETC.

A total of five USTs (1-500 gallon waste oil, 3-500 gallon gasoline, and 1-2,000 gallon gas/diesel) were removed on August 21, 1991. Stained soil and strong hydrocarbon odors were noted from the pit. Soil samples collected from the tank pit exhibited up to 1,900 ppm TPHd, 1,400 ppm TPHg, and elevated levels of chromium (110 ppm) and Nickel (400 ppm). Soil excavated from the pit was placed back into the visqueen-lined pit. (See Figs 1, 2)

In December 1995 three groundwater monitoring wells (MW-1 through MW-3) and seven exploratory soil borings (B-1 through B-7) were drilled/advanced. Soil samples were collected at a maximum of five foot intervals and field screened with an OVM Photoionization Detector (PID). Organic vapors were not detected in any of the boreholes except for boring MW-1 and boring B7, at a depth of 10', where a slight to moderate oily odor was reported. Soil collected from each borehole at 10' and 14' bgs was analyzed for TPHd, TPHg, and BTEX/MTBE. Elevated TPHg/TPHd levels were only detected from boring MW-1. The other constituents were either non-detect or were detected at low levels. (See Fig 3, Table 1)

Soil samples were also collected from the pipe trench (T1-2.0) and beneath each dispenser (D1-2.5, D2-2.5). TPHd concentrations ranged from 250 to 590 ppm and TPHg concentrations ranged from 180 to 1,400 ppm. Benzene was not detected in any of the soil samples. (See Table 2)

Sediments underlying the site consist primarily of silty clay to a depth of ~12.5', beneath which clayey sand is generally encountered. Based on the general absence of soil discoloration, elevated PID readings, and petroleum hydrocarbon odors in the boreholes, the subsurface soil appears to be minimally impacted by the fuel release. (See Boring Logs)

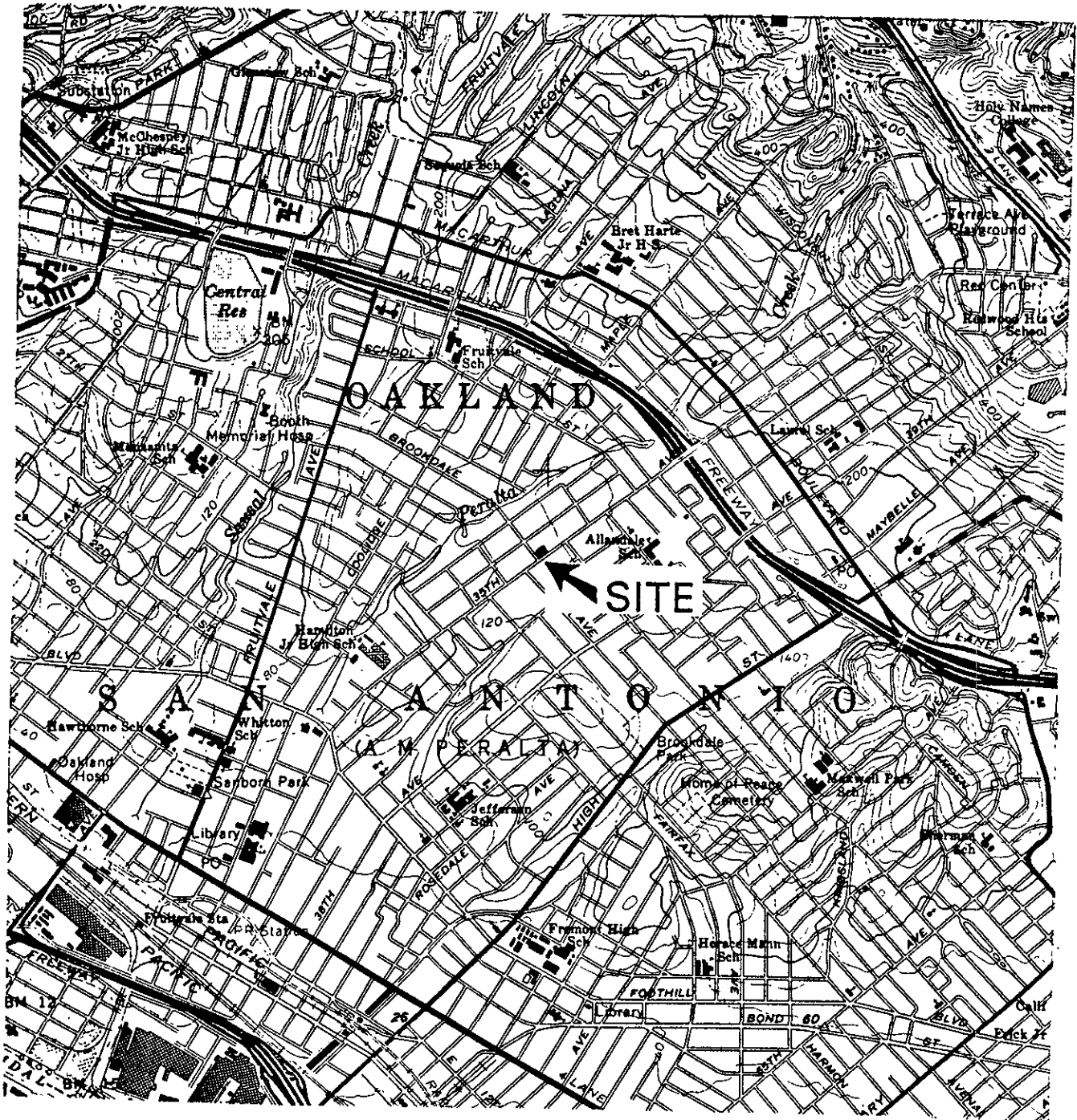
Groundwater has been sampled for four consecutive quarters (Dec 1995 to Oct 1996) without detecting but a trace of TPHg (100ppb) and MTBE (18 ppb). BTEX, TOG, 8010, and 8270 compounds have not been identified above the detection limits (see Table 3). Groundwater does not appear to be significantly impacted by the fuel release. Continued monitoring/sampling is not warranted.

In summary, case closure is recommended because:

- o the leak and ongoing sources have been removed;
- o the site has been adequately characterized;
- o the dissolved plume is not migrating;
- o no water wells, surface water, or other sensitive receptors are likely to be impacted; and,
- o the site presents no significant risk to human health or the environment.

P & D ENVIRONMENTAL

4020 Panama Court
Oakland, CA 94611
Telephone (510) 658-6916

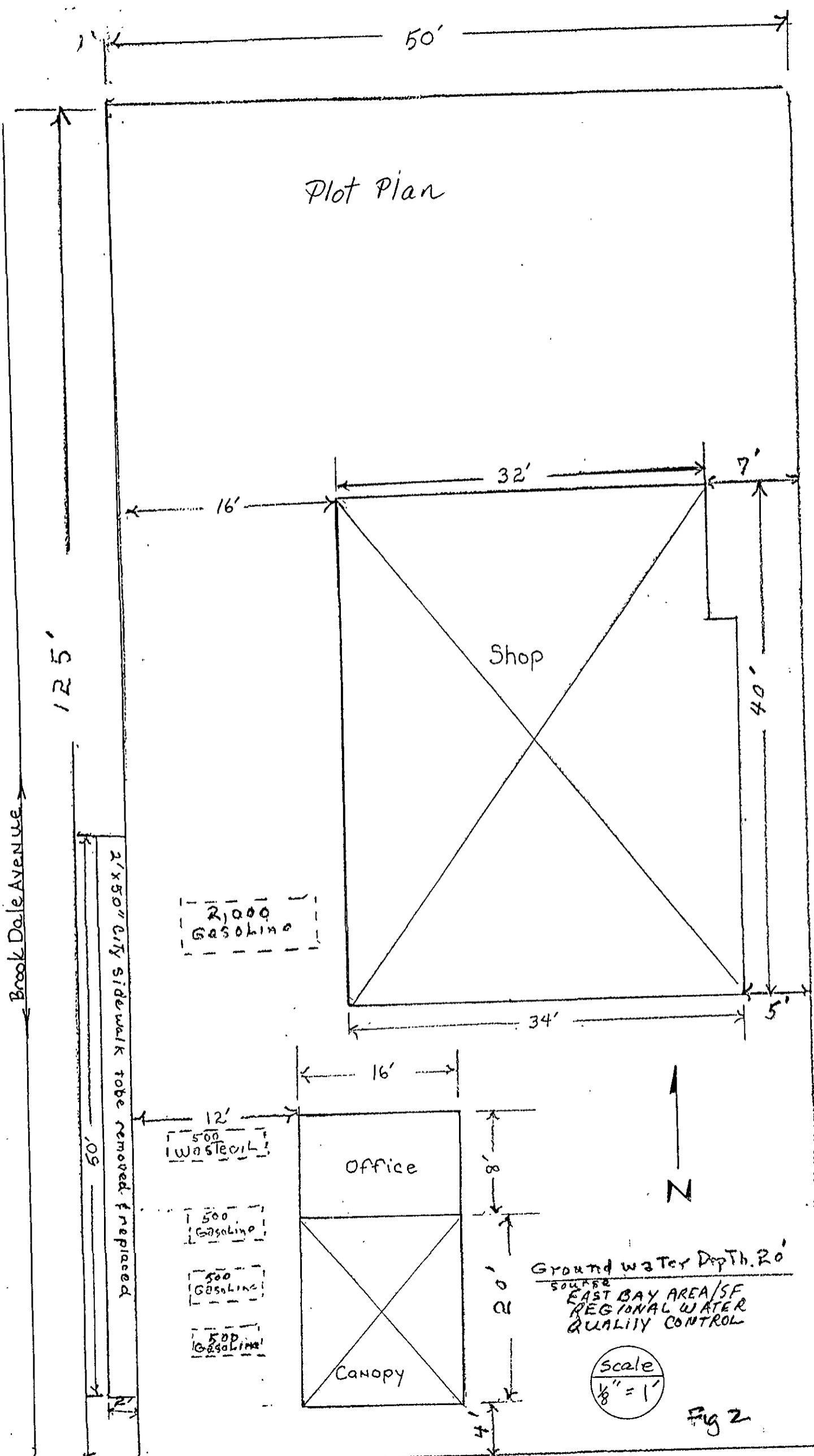


Base Map From
U.S. Geological Survey
Oakland East, Calif.
7.5 Minute Quadrangle
Photorevised 1980



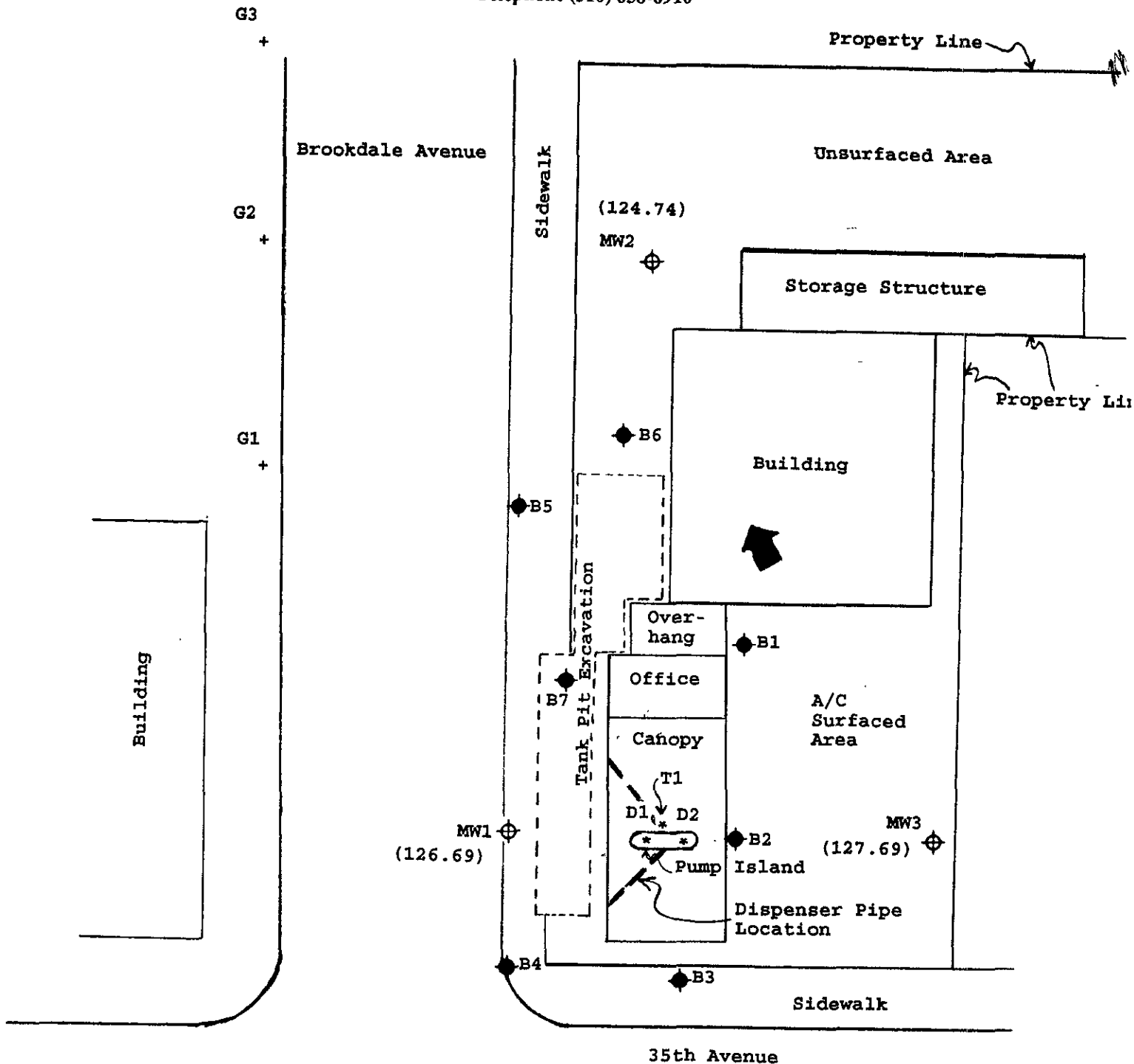
0 1000 2000
Scale in Feet

Figure 1
SITE LOCATION MAP
SAAB Saver Facility
2601 35th Avenue
Oakland, California



P & D ENVIRONMENTAL

4020 Panama Court
 Oakland, CA 94611
 Telephone (510) 658-6916



LEGEND

- ⊕ Monitoring Well Location
- ◆ Exploratory Boring Location
- + Proposed Groundwater Grab Sample Location
- * Soil Sample Collection Location
- () Groundwater Water Surface Elevation in Feet MSL on December 18, 1995
- ➔ Groundwater Flow Direction

Based Map Prepared
 By P&D Environmental
 December, 1995

0 10 20
 Scale in Feet

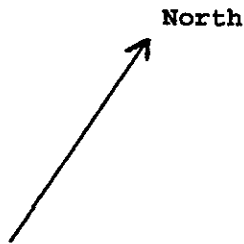


Figure # 3
 SITE PLAN
 SAAB Saver Facility
 2601 35th Avenue
 Oakland, California

10
Monitoring →

TABLE #1
SOIL BORING
LABORATORY ANALYTICAL RESULTS
(Samples Collected on December 5 & 6, 1995)

Sample Location	TPH-D	TPH-G	Benzene	Toluene	Ethyl-benzene	Xylenes
MW1-10.0	490	1,200	ND	2.4	3.2	6.4
MW1-14.5	ND	ND	ND	ND	ND	ND
MW2-10.0	ND	ND	ND	ND	ND	ND
MW2-14.5	ND	ND	ND	ND	ND	ND
MW3-10.0	ND	ND	ND	ND	ND	ND
MW3-14.5	ND	ND	ND	ND	ND	ND
B1-10.0	ND	ND	ND	ND	ND	0.007
B1-14.5	ND	ND	ND	ND	ND	ND
B2-10.0	ND	ND	ND	ND	ND	0.008
B2-14.5	ND	ND	ND	ND	ND	ND
B3-10.0	ND	ND	ND	ND	ND	ND
B3-14.5	ND	ND	ND	ND	ND	ND
B4-10.0	ND	ND	ND	ND	ND	ND
B4-14.5	ND	ND	ND	ND	ND	ND
B5-10.0	ND	ND	ND	ND	ND	ND
B5-14.5	ND	ND	ND	ND	ND	ND
B6-10.0	ND	ND	ND	ND	ND	ND
B6-14.5	ND	ND	ND	ND	ND	ND
B7-10.0+	42	27	ND	0.035	0.078	0.16
B7-14.5++	ND	ND	ND	ND	ND	ND

NOTES:

TPH-D = Total Petroleum Hydrocarbons as Diesel.

TPH-G = Total Petroleum Hydrocarbons as Gasoline.

ND = Not Detected.

+ = TTLC Nickel was detected at 180 ppm; EPA 8010 compounds were not detected; EPA 8270 compounds were not detected.

++ = TTLC Nickel was detected at 220 ppm; EPA 8010 compounds were not detected; EPA 8270 compounds were not detected.

Results are in parts per million (ppm), unless otherwise specified.

TABLE # 2
DISPENSER ISLAND AND PIPE TRENCH
LABORATORY ANALYTICAL RESULTS
(Samples Collected on December 6, 1995)

Sample Location	TPH-D	TPH-G	Benzene	Toluene	Ethyl-benzene	Xylenes
D1-2.5	590	810	ND	0.36	3.3	2.3
D2-2.5	560	1,400	ND	2.4	5.7	15
T1-2.0	250	180	ND	0.039	0.31	1.2

NOTES:

TPH-D = Total Petroleum Hydrocarbons as Diesel.

TPH-G = Total Petroleum Hydrocarbons as Gasoline.

ND = Not Detected.

Results are in parts per million (ppm), unless otherwise specified.

TABLE # 3
GROUNDWATER
LABORATORY ANALYTICAL RESULTS

Sample Location	TPH-D	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes
Samples Collected on October 24, 1996							
MW1	ND	0.10	0.018	ND	ND	ND	ND
MW2	ND	ND	ND	ND	ND	ND	ND
MW3	ND	ND	ND	ND	ND	ND	ND
Samples Collected on July 30, 1996							
MW1+	ND	0.076	0.035	ND	ND	ND	ND
MW2+	ND	ND	ND	ND	ND	ND	ND
MW3+	ND	ND	0.018	ND	ND	ND	ND
Samples Collected on March 27, 1996							
MW1++	ND	ND	0.0070	ND	ND	ND	ND
MW2++	ND	ND	ND	ND	ND	ND	ND
MW3++	ND	ND	ND	ND	ND	ND	ND
Samples Collected on December 18, 1995							
MW1+++	ND	0.110	NA	ND	ND	ND	ND
MW2	ND	ND	NA	ND	ND	ND	ND
MW3	ND	ND	NA	ND	ND	ND	ND

NOTES:

TPH-D = Total Petroleum Hydrocarbons as Diesel.

TPH-G = Total Petroleum Hydrocarbons as Gasoline.

ND = Not Detected.

NA = Not Analyzed.

+ = Oil and Grease EPA Method 5520, and EPA Method 8270 compounds were not detected.

++ = EPA Method 8270 compounds were not detected.

+++ = TRPH was not detected; EPA 8010 compounds were not detected; EPA 8270 compounds were not detected; TTLC cadmium and lead were not detected; TTLC chromium, nickel, and zinc were detected at concentrations of 0.19, 0.43, and 0.14 ppm, respectively.

Results are in parts per million (ppm), unless otherwise specified.

P & D ENVIRONMENTAL

4020 Panama Court

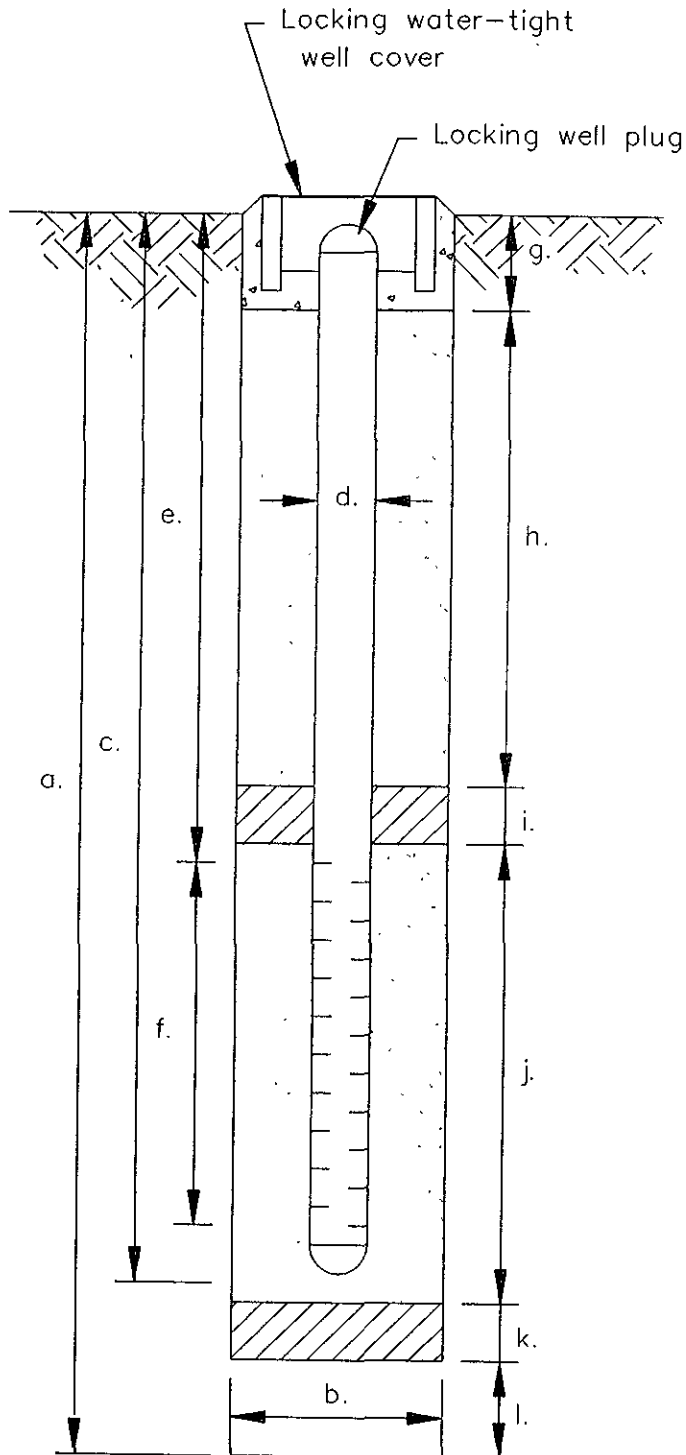
Oakland, CA 94611

Telephone (510) 658-6916

WELL CONSTRUCTION DETAILS

PROJECT NUMBER 0086
 PROJECT NAME SAAB Saver - Oakland
 COUNTY Alameda
 WELL PERMIT NO. 950800

BORING\WELL NO. MW1
 TOP OF CASING ELEV. 132.98 Feet
 GROUND SURFACE ELEV. 133.49 Feet
 DATUM Mean Sea Level



EXPLORATORY BORING

a. Total Depth 23.0 ft
 b. Diameter 8.0 in
 Drilling Method Hollow Stem Auger

WELL CONSTRUCTION

c. Casing length 23.0 ft
 Material Schedule 40 PVC
 d. Diameter 2.0 in
 e. Depth to top perforations 8.0 in
 f. Perforated length 15.0 ft
 Perforated interval from 8.0 to 23.0 ft
 Perforation type Factory Slot
 Perforation size 0.010 inch
 g. Surface sanitary seal 2.0 ft
 Seal material Concrete
 h. Sanitary seal 4.0 ft
 Seal material Neat Cement
 i. Filter pack seal 1.0 ft
 Seal material Bentonite Pellet
 j. Filter pack length 16.0 ft
 Filter pack interval from 7.0 to 23.0 ft
 Pack material #2/12 Lonestar Sack Sa
 k. Bottom seal 0 ft
 Seal material None
 l. Sluff in bottom of borehole 0 ft

BORING NO: MW1	PROJECT NO: 0086	PROJECT NAME: SAAB Saver, Oakland
BORING LOCATION: In sidewalk adjacent to Bookdale Ave.		ELEVATION & DATUM: Top of Casing = 132.98 Feet. Mean Sea Level
DRILLING AGENCY: Exploration Geoservices	DRILLER: John & Mike	DATE & TIME STARTED: 12/6/95
DRILLING EQUIPMENT: Mobile B40 Hollow Stem Auger		DATE & TIME FINISHED: 12/6/95
COMPLETION DEPTH: 23.0 Feet	BEDROCK DEPTH: None Encountered	LOGGED BY: Paul H. King
FIRST WATER DEPTH: 13.0 Feet	NO. OF SAMPLES: 2 Soil	CHECKED BY:

DEPTH (FT)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	PID	BLOW COUNT PER 6"	REMARKS
0	Concrete					Borehole drilled using 8" O.D. hollow stem augers. Samples collected using a 2-1/2" O.D. California modified split spoon sampler lined with 2" dia. brass tubes.
5	Dark Gray SILTY CLAY (CL); fine sand, minor coarse sand, moist, hard. No Petroleum Hydrocarbon (PHC) odor.	CL	See Attached Diagram	0	17 30 33	
10	Dark Gray SILTY CLAY (CL); fine to medium sand, minor coarse sand, gravel 1/4 to 1 inch diameter, moist, hard. Slight to moderate oily odor.			0	16 18 22	Groundwater first encountered at 13.0 ft. below ground surface 1:10 PM, 12/6/95.
15	Light Brown CLAYEY SAND (SC); fine to coarse sand, saturated, medium dense. No PHC odor.	SC		0	5 7 12	
20	Light Brown SANDY CLAY (CL); fine to coarse sand, saturated, hard. No PHC odor.	CL		0	27 50/5"	
25	Light Brown SILTY CLAY (CL); minor black mottling, saturated, hard, No PHC odor.				16 22 25	
30						Borehole cleaned out to 23.0 ft. Borehole converted to monitoring well 12/6/95.

WELL NO: 72	PROJECT NO: 0086	PROJECT NAME: SAAB Saver, Oakland		
RING LOCATION: Its backyard near Brookdale Ave.		ELEVATION & DATUM Top of Casing = 133.62 Feet. Mean Sea Level		
DRILLING AGENCY: Exploration Geoservices		DRILLER: John & Mike	DATE & TIME STARTED	DATE & TIME FINISHED
DRILLING EQUIPMENT: Mobile B40 Hollow Stem Auger			12/6/95	12/6/95
COMPLETION DEPTH: 25.0 Feet		BEDROCK DEPTH: None Encountered	LOGGED BY:	CHECKED BY:
FIRST WATER DEPTH: 15.0 Feet		NO. OF SAMPLES: 2 Soil	Paul H. King	

DEPTH (FT)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	PID	BLOW COUNT PER 6"	REMARKS
0	Concrete					
5	Dark Brown SILTY CLAY (CL); fine to medium sand, moist, hard. No Petroleum Hydrocarbon (PHC) odor.	CL	See Attached Diagram	0	20 27 35	Borehole drilled using 8" O.D. hollow stem augers. Samples collected using a 2-1/2" O.D. California modified split spoon sampler lined with 2" dia. brass tubes.
10	Brown SILTY CLAY (CL); minor fine to coarse sand, moist, hard. No PHC odor.			0	27 31 40	
15	Brown SILTY CLAY (CL); minor fine to medium sand, orange mottling, saturated, hard. No PHC odor.	▽		0	10 13 26	Groundwater first encountered at 15.0 ft. below ground surface 9:00 AM, 12/6/95.
20	Light Brown CLAYEY SAND (SC); fine to coarse sand, gravel 1/4 to 1 inch diameter, saturated dense. No PHC odor.	SC		0	10 15 16	
25	Light Brown SILTY CLAY (CL); minor medium to coarse sand, minor orange mottling, saturated, hard. No PHC odor.	CL		0	13 20 28	Borehole cleaned out to 25.0 ft. Borehole converted to monitoring well 12/6/95.
30						

WELL NO: W3	PROJECT NO: 0086	PROJECT NAME: SAAB Saver, Oakland	ELEVATION & DATUM: Top of Casing = 134.98 Feet Mean Sea Level	
BORING LOCATION: On northeastern edge of property		DRILLING AGENCY: Exploration Geoservices		
DRILLING EQUIPMENT: Mobile B40 Hollow Stem Auger		DRILLER: John & Mike	DATE & TIME STARTED: 12/5/95	DATE & TIME FINISHED: 12/5/95
COMPLETION DEPTH: 25.0 Feet	BEDROCK DEPTH: None Encountered		LOGGED BY: Paul H. King	CHECKED BY:
FIRST WATER DEPTH: 15.0 Feet	NO. OF SAMPLES: 2 Soil			

DEPTH (FT)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	PID	BLOW COUNT PER 8"	REMARKS
0	Asphalt					
5	Dark Brown SANDY CLAY (CL); abundant fine to medium sand, dark gray mottling along fractures, moist, hard. No Petroleum Hydrocarbon (PHC) odors.	CL	See Attached Diagram	0	12 20 25	Borehole drilled using 8" O.D. hollow stem augers. Samples collected using a 2-1/2" O.D. California modified split spoon sampler lined with 2" dia. brass tubes. Groundwater first encountered at 15.0 ft. below ground surface 11:40 AM, 12/5/95.
10	Dark Brown SILTY CLAY (CL); coarse sand, trace gravel 1/4 inch diameter, minor dark gray mottling, moist, very stiff. No PHC odor.			0	8 8 15	
15	Brown CLAYEY SAND (SC); fine to medium sand, wet, medium dense. No PHC odor.	▽		0	8 10 18	
20	Light Brown CLAYEY SAND (SC); fine to medium sand, minor coarse sand, minor fine gravel 1/4 inch diameter, saturated, very dense. No PHC odor.	SC		0	31 50/5"	
25	Light Brown SANDY CLAY (CL); fine sand, minor medium and coarse sand, black mottling, saturated, hard. No PHC odor.	CL		0	28 50/5"	
30						Borehole cleaned out to 25.0 ft. Borehole converted to monitoring well 12/5/95.

BORING NO: B7		PROJECT NO: 0086		PROJECT NAME: SAAB Saver, Oakland			
BORING LOCATION: In former waste oil tank pit vicinity				ELEVATION & DATUM: N/A			
DRILLING AGENCY: Exploration Geoservices			DRILLER: John & Mike		DATE & TIME STARTED	DATE & TIME FINISHED	
DRILLING EQUIPMENT: Mobile B40 Hollow Stem Auger					12/6/95	12/6/95	
COMPLETION DEPTH: 15.0 Feet			BEDROCK DEPTH: None Encountered		LOGGED BY: Paul H. King		CHECKED BY:
FIRST WATER DEPTH: None encountered			NO. OF SAMPLES: 2 Soil				

DEPTH (FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	PID	BLOW COUNT PER 6"	REMARKS
0						Borehole drilled using 8" O.D. hollow stem augers. Samples collected using a 2-1/2" O.D. California modified split spoon sampler lined with 2" dia. brass tubes.
5	Dark Brown CLAYEY SAND (SC); medium to coarse sand, moist, very dense. No Petroleum Hydrocarbon (PHC) odor. (FILL)	SC	No Well Constructed	0	12 28 26	
10	Gray SILTY CLAY (CL); medium to coarse sand, minor gravel 1/2 inch diameter, moist, hard. Moderate oily odor.	CL		100	13 20 29	
15	Brown SANDY CLAY (CL); fine sand, minor orange and black mottling, wet, hard. No PHC odor.			0	13 15 26	
20						
25						
30						