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

SCOT
7-5-04

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

June 28, 2004

Fred Granholt
P.O. Box 798
Burney, CA 96013

Olpington Cx N V
1055 Corporate Center Dr. #420
Monterey Park, CA 91754-7668

Dear Sir or Madam:

Subject: Fuel Leak Site Case Closure: Granholt Sheet Metal, 501 San Pablo Ave., Albany, CA 94706, Case No. RO0000120

This letter confirms the completion of a site investigation and remedial action for the heating oil underground storage tank(s) 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 25299.37 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.77 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,

Mee Ling Tung
Director
Alameda County Environmental Health

cc: Ms. Betty Graham (w/enc)
Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, CA 94612

Mr. Toru Okamoto (w/enc)
State Water Resources Control Board
Underground Storage Tank Cleanup Fund
P.O. Box 944212
Sacramento, CA 94244-2120

City of Oakland Fire Services OES (w/enc)
1605 M.L. King Jr. Way
Oakland, CA 94612-1328

City of Oakland Community & Economic Development Agency (w/enc)
Planning & Zoning Division
250 Frank Ogawa Plaza, Suite 2114
Oakland, CA 94612

Don Hwang (w/orig enc), D. Drogos (w/enc), R. Garcia (w/enc)

8/15/00 RB# 01-0719

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

00 SEP 19 PM 2:51

I. AGENCY INFORMATION

Date: July 26, 2000
Agency name: Alameda County-HazMat
Address: 1131 Harbor Bay Pkwy
City/State/Zip: Alameda, CA 94502
Phone: (510) 567-6746
Responsible staff person: Don Hwang
Title: Hazardous Materials Specialist

II. CASE INFORMATION

Site facility name: Granholt Sheet Metal
Site facility address: 501 San Pablo Ave., Albany, CA 94706
RB LUSTIS Case No: N/A
Local Case No./LOP Case No.: 1756
URF filing date: September 11, 1989
SWEEPS No: N/A

Responsible Parties:	Addresses:	Phone Numbers:
Fred Granholt	P.O. Box 798, Burney, CA 96013	530/335-4818

Tank No:	Size in gal.:	Contents:	Closed in-place or removed?:	Date:
	500	Gasoline	removed	September 6, 1989

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: unknown,undetermined
Site characterization complete? YES
Date approved by oversight agency:
Monitoring Wells installed? YES Number: 1
Proper screened interval? YES, but the screened interval of 5 ft. to 15 ft. below ground surface (bgs) was not high enough for 9 of 16 sampling events.
Highest GW depth below ground surface: 1.36 ft. bgs Lowest depth: 10.00 ft. bgs
Flow direction: west-northwest
Most sensitive current use: commercial
Are drinking water wells affected? no Aquifer name: na
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 Environmental Health, 1131 Harbor Bay Pkwy, Alameda, CA 94502

Treatment and Disposal of Affected Material:

Material	Amount (include units)	Action (Treatment or Disposal w/destination)	Date
Tank	1	Disposal	September 8, 1999
	H & H Ship	Service Co., 220 China Basin St., San Francisco, CA 94107	
Soil		undocumented	
Groundwater		undocumented	

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
TPH (Gas)	110[1]	20[4]	4,900[6]	ND[5]
Benzene	0.51[2]	ND[4]	92[7]	ND[5]
Toluene	3.0[2]	ND[4]	16[6]	ND[5]
Ethylbenzene	1.3[2]	ND[4]	35[6]	ND[5]
Xylenes	6.0[2]	ND[4]	130[6]	ND[5]
Methyl Tertiary-Butyl Ether (MTBE)	NT[3]	NT[3]	NT[3]	ND[5]

[1] Sample #2 collected 9/6/89 below end of tank at 8 ft. bgs.
[2] Sample #1 collected 9/6/89 below end of tank at 8 ft. bgs.
[3] Not Tested.
[4] Sample #4 collected 9/6/89 below middle of tank at 9 ft. bgs.
[5] MW1 collected 6/20/94,9/13/94,12/5/94.
[6] MW1 collected 12/7/92.
[7] MW1 collected 2/1/91.
[8] MW1 collected 8/25/99.
ND:NonDetect.

Methyl Tertiary-Butyl Ether (MTBE)	NT[3]	NT[3]	NT[3]	ND[5]

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: A site safety plan must be prepared for construction workers in the event excavation/trenching is proposed in the vicinity of residual soil and groundwater contamination.
Should corrective action be reviewed if land use changes? YES
Monitoring wells Decommissioned?: no
Number Decommissioned: 0 Number Retained: 1
List enforcement actions taken: none
List enforcement actions rescinded: none

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Don Hwang Title: Haz Mat Specialist

Signature: Don Hwang Date: 7/26/00

Reviewed by

Name: Eva Chu Title: Haz Mat Specialist

Signature: Eva Chu Date: 7/27/00

Name: Thomas Peacock Title: Supervisor

Signature: Thomas Peacock Date: 8-2-00

VI. RWQCB NOTIFICATION

Date Submitted to RB: 8/9/00 RB Response: Concur

RWQCB Staff Name: Chuck Headlee Title: EG

Signature: Chuck Headlee Date: 8/22/00

VII. ADDITIONAL COMMENTS, DATA, ETC.

On September 6, 1989, a 500 gal. Gasoline tank was removed from beneath the sidewalk on Brighton St. from the property located at 501 San Pablo Ave. The tank "was open and had approximately 50 gallons of what appeared to be water. No obvious holes in tank." A small pool of liquid contamination was visible at the bottom of the hole. Three soil samples, #1, #2, and #4, were collected from the bottom of the pit. Two of the samples, #1 and #2, were collected from the ends of the tank at a depth of 8 ft. After a foot of soil was overexcavated from the pit bottom, the other sample, #4 was collected beneath the tank at a depth of 9 ft. A composite sample, #3, was collected from the stockpiled soil. The results for sample #1 were 49 mg/kg Low/Medium B.P. Hydrocarbons, 0.51 mg/kg Benzene (B), 3.0 ppm Toluene (T), 1.3 ppm Ethylbenzene (E), 6.0 ppm Xylene (X). The results for sample #2 were 110 mg/kg Low/Medium B.P. Hydrocarbons, 0.20 mg/kg Benzene,.20 ppm Toluene, 1.0 ppm Ethylbenzene, 2.8 ppm Xylene. The results for sample #4 were 20 mg/kg Low/Medium B.P. Hydrocarbons, ND mg/kg Benzene, ND ppm Toluene, ND ppm Ethylbenzene, ND ppm Xylene. The results for sample #3 were 85 mg/kg Low/Medium B.P. Hydrocarbons, 0.24 mg/kg Benzene, 1.3 ppm Toluene, 1.3 ppm Ethylbenzene, 7.4 ppm Xylene.

On June 7, 1990, a groundwater monitoring well was installed through the former tank pit Soil samples of the borings were collected at 10 and 15 ft Samples were analyzed for Total Petroleum Hydrocarbon- Gasoline (TPH-G) and BTEX Benzene was found to be ND for both samples For MW-1 @ 10 ft , TPH-G was 15 mg/kg, Toluene was ND, Ethylbenzene was 0 18mg/kg, and Xylene was 0 18 mg/kg For MW-1 @ 15 ft , the

concentrations found for the same constituents were ND, ND, 0.05mg/kg, ND, and ND. Quarterly monitoring was performed from June 12, 1990 through December 5, 1994. The highest concentrations found for each of the groundwater constituents were 4,900 ug/l TPH-G, 92 ug/l Benzene, 16 ug/l Toluene, 35 ug/l Ethylbenzene, and 130 ug/l Xylene. All groundwater constituents were ND for the last three quarters.

As part of another investigation onsite, 3 borings, B-3/TMW-2, B-2, B-1, were drilled on the site to a depth of 15 ft. on February 24, 1992. Soil samples from borings B-1 and B-3 were analyzed for lead, tin, and zinc. The highest concentrations found were 8.9 mg/kg for lead, 36.3 mg/kg for tin, and 45.7 mg/kg for zinc. One groundwater sample was also collected from each of these borings as well as from the existing monitoring well, MW-1 (MW-HS). The samples were analyzed for TPH-G and BTEX. The concentrations from the monitoring well were 670 ug/l TPH-G, 3.9 ug/l Benzene, 4.9 ug/l Toluene, 16 ug/l Ethylbenzene, and 11 ug/l Xylene. The concentrations from the borings were ND for all constituents.

Soil beneath the site consists of black silty clay to a depth of 10 ft. below ground surface (bgs). Gravelly silty clay is at 10-14 ft. bgs. Finally, sandstone was encountered at 14 ft. bgs at the bottom of the exploratory borings. Groundwater was encountered at 10-11.5 ft. bgs. Preliminary survey of these temporary wells revealed groundwater flow towards the west-northwest.

On August 25, 1999, a groundwater sample was collected from MW-1 and was ND for Methyl Tertiary-Butyl Ether (MTBE).

In summary, case closure is recommended because:

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

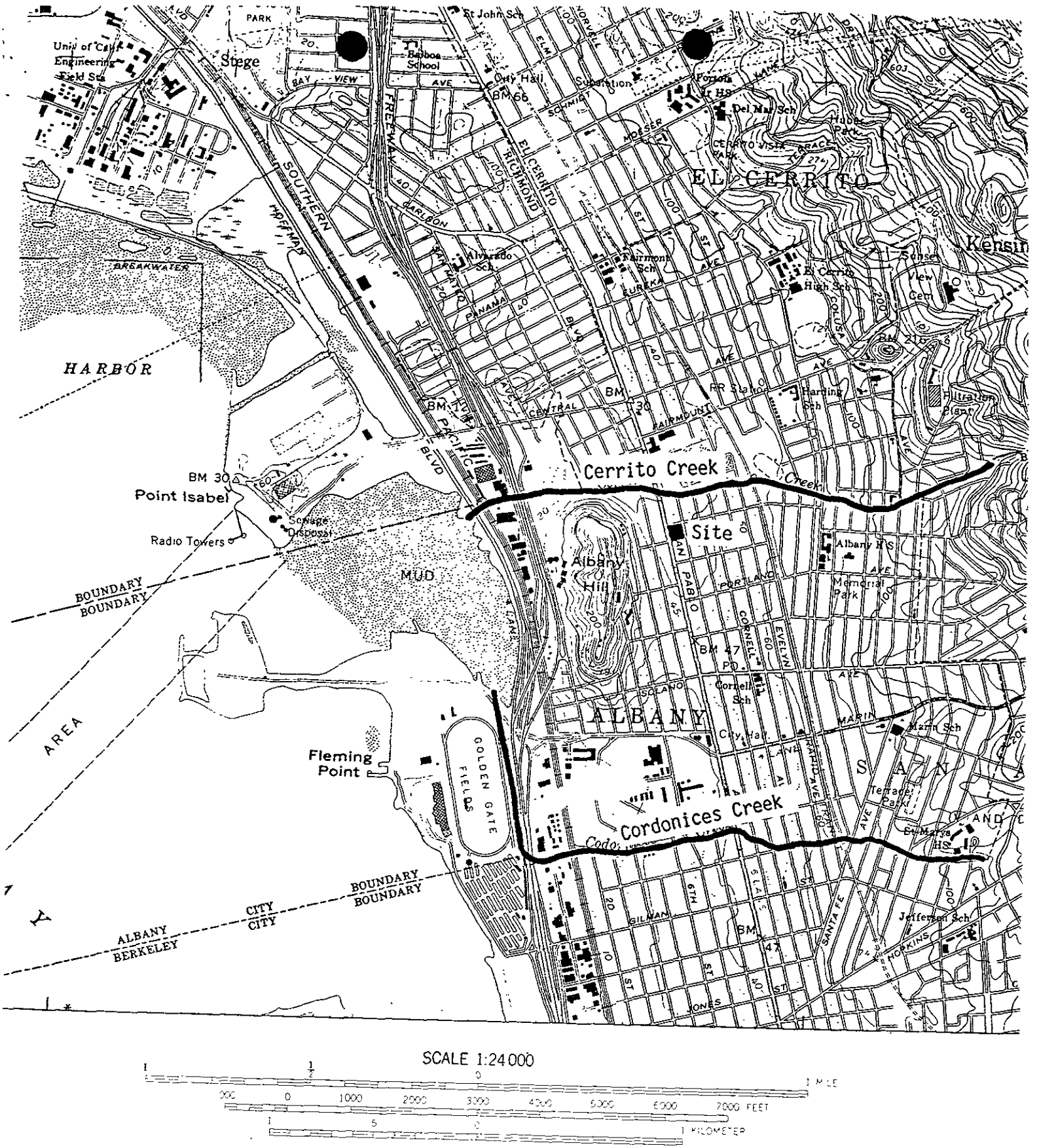
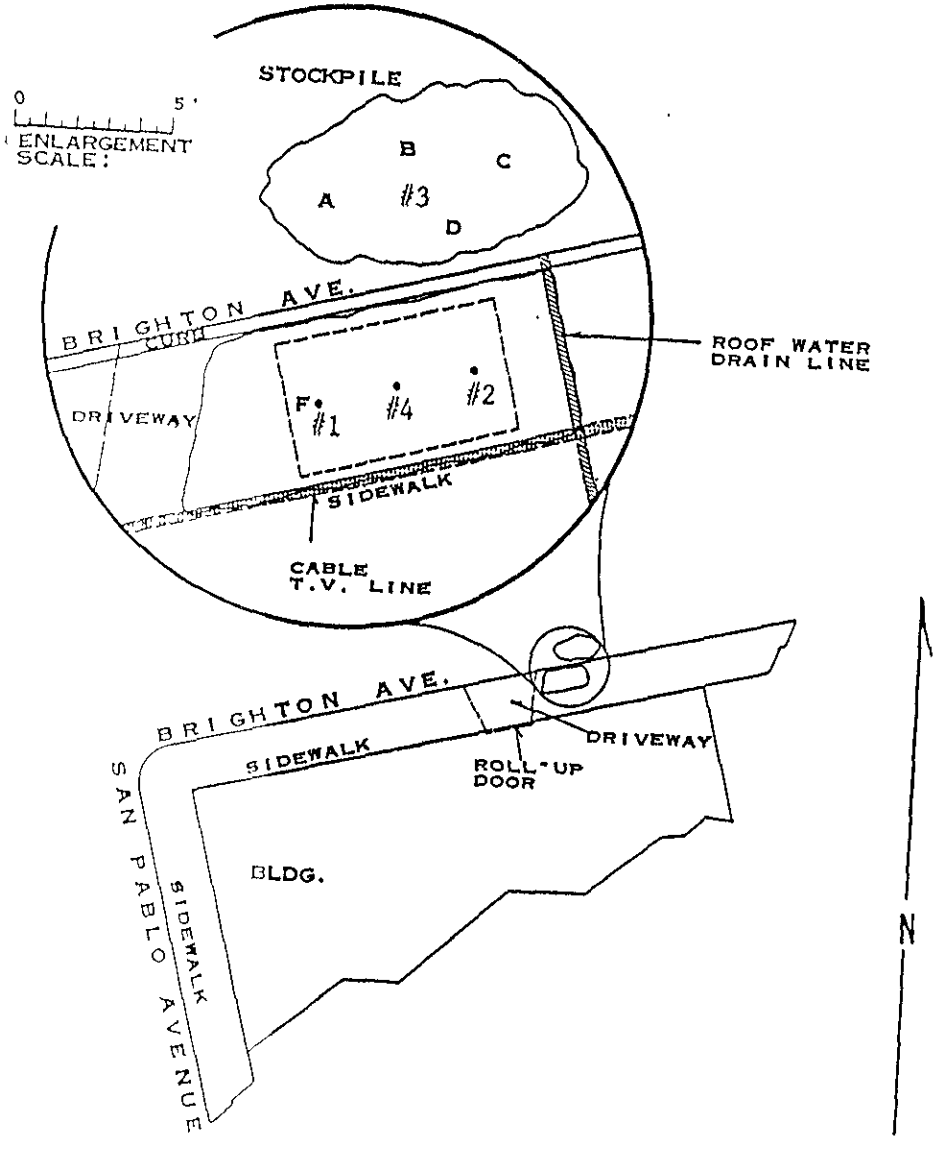


FIGURE 1.

Vicinity Map.



SCALE: 0 50'

MAP REF: THOMAS BROS. CONTRA COSTA CO. P.67 D-2

LEGEND: F = FILL END

#1 SOIL SAMPLE FROM 8' ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS (TPH) AS GASOLINE AND BENZENE, TOLUENE, XYLENES AND ETHYLBENZENE (BTXE) AT SEQUOIA ANALYTICAL LABORATORY SEQUOIA LAB NO. 909-0370

#2 SOIL SAMPLE FROM 8' ANALYSIS FOR TPH AS GASOLINE AND BTXE SEQUOIA LAB NO. 909-0371

#3 STOCKPILE SOIL COMPOSITE AT SAMPLE POINTS A-D ANALYSIS FOR TPH AS GASOLINE AND BTXE SEQUOIA LAB NO. 909-0372

#4 SOIL SAMPLE FROM 9' ANALYSIS FOR TPH AS GASOLINE AND BTXE SEQUOIA LAB NO. 909-0349

SAMPLING PERFORMED BY BRENT ADAMS
DIAGRAM PREPARED BY BRENT ADAMS

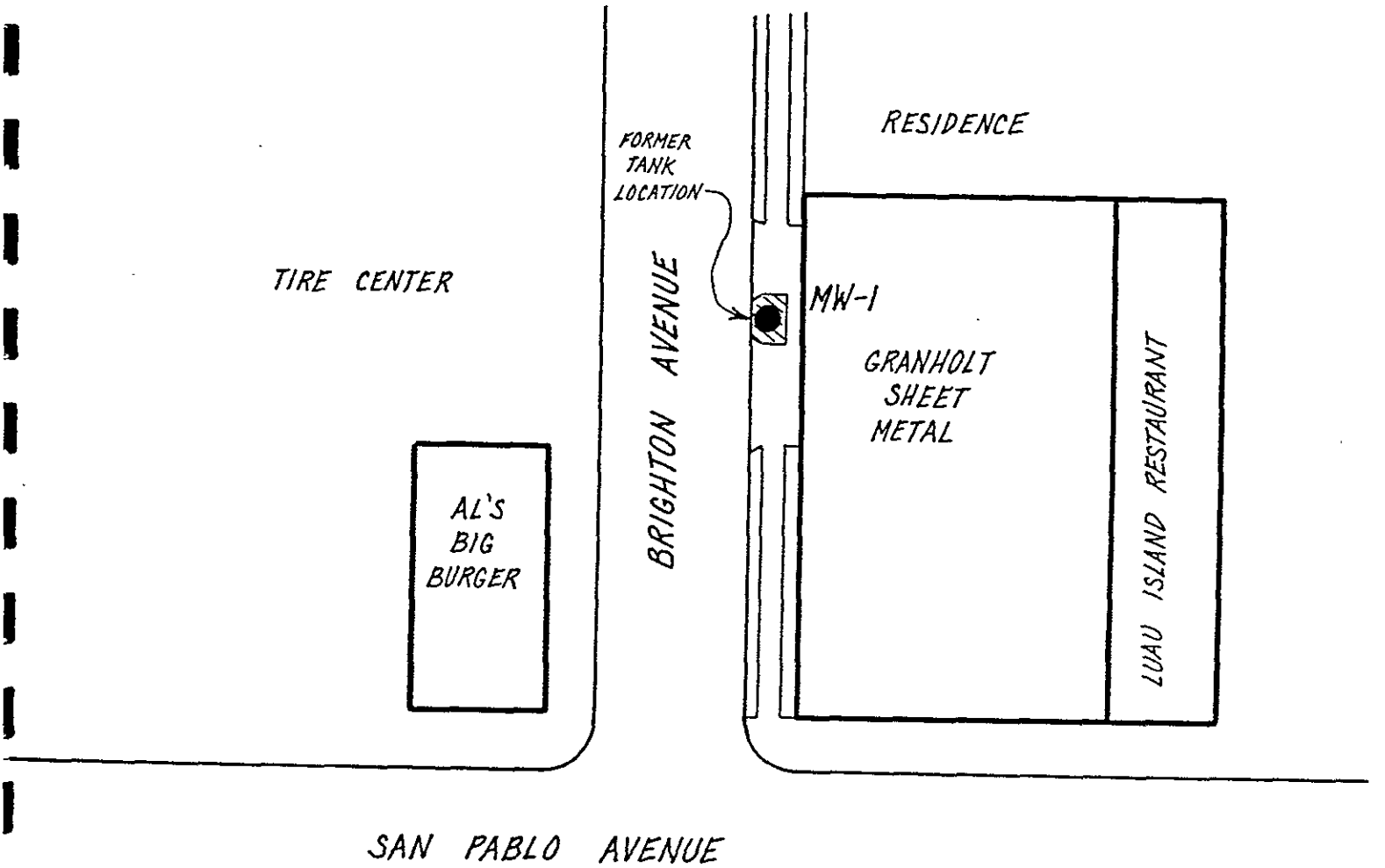
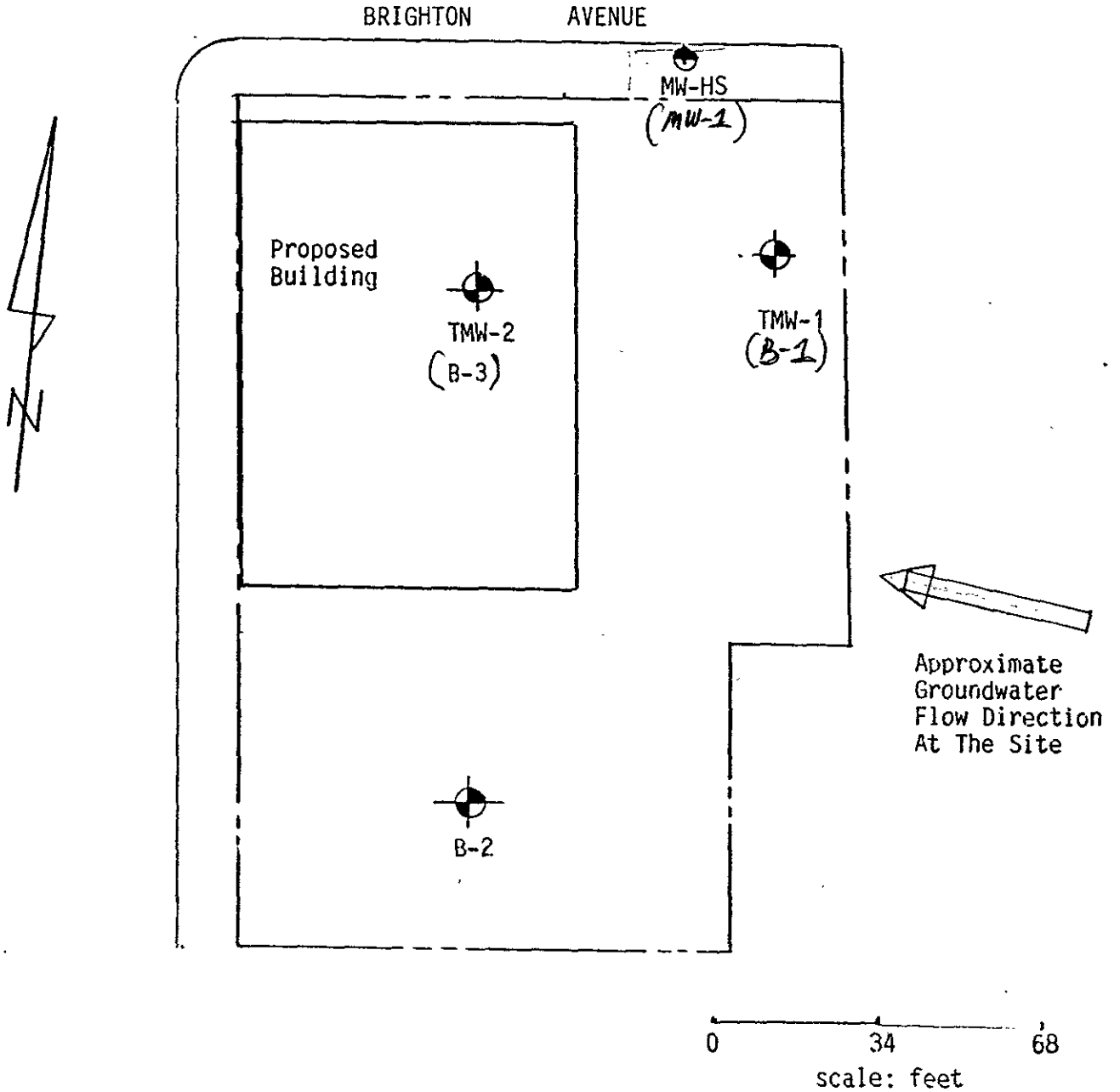


FIGURE 2.
Site Map.



Project: 92284-ASA	SITE PLAN
Date: March 1992	
Figure: 2	

ADVANCE SOIL TECHNOLOGY, INC.

Contamination, Monitoring Well, Soil, Foundation & Geological Services
12340 S. Saratoga-Sunnyvale Rd., Unit 4, Saratoga, CA 95070 (408) 446-0809

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Blaine Tech Services	Client Project ID:	#890906A1, Delta Bay Builders	Sampled: Sep 7, 1989
1370 Tully Rd., Suite 505	Matrix Descript:	Soil	Received: Sep 7, 1989
San Jose, CA 95122	Analysis Method:	EPA 5030/8015/8020	Analyzed: Sep 18, 1989
Attention: Richard Blaine	First Sample #:	909-0370	Reported: Sep 19, 1989

TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
909-0370	#1	49	0.51	3.0	1.3	6.0
909-0371	#2	110	0.20	0.20	1.0	2.8
9090372 A-D	#3	85	0.24	1.3	1.3	7.4
Detection Limits:		**1.0**	**0.05**	**0.1**	**0.1**	**0.1**

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard
Analytes reported as N D were not present above the stated limit of detection

SEQUOIA ANALYTICAL

Belinda C. Vega
Project Manager

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Blaine Tech Services	Client Project ID:	BTS #890906A1, Delta Bay Builders	Sampled:	Sep 6, 1989
1370 Tully Rd., Suite 505	Sample Descript.:	Soil	Relogged:	Oct 3, 1989
San Jose, CA 95122	Analysis Method:	EPA 5030/8015/8020	Analyzed:	Oct 9, 1989
Attention: Richard Blaine	Lab Number:	910-0349 #4	Reported:	Oct 10, 1989

TOTAL PETROLEUM FUEL HYDROCARBONS WITH BTEX DISTINCTION (EPA 8015/8020)

Analyte	Detection Limit mg/kg (ppm)	Sample Results mg/kg (ppm)
Low to Medium Boiling Point Hydrocarbons	1.0	20
Benzene	0.05	N.D.
Toluene	0.1	N.D.
Ethyl Benzene	0.1	N.D.
Xylenes	0.1	N.D.

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard
Analytes reported as N D were not present above the stated limit of detection

SEQUOIA ANALYTICAL

Elizabeth W. Hackl
Project Manager

9100349 BLA <1>

TABLE 1. Soil Sampling Results.
Granholt Sheet Metal, Albany

SAMPLED 6/7/90

Boring	Depth (feet)	Gasoline (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Xylenes (mg/kg)
MW-1	10	15	ND	ND	0.18	0.18
	15	ND	ND	0.05	ND	ND
DETECTION LIMIT (mg/kg)		0.5	0.015	0.015	0.015	0.045

Table 1.

Groundwater Sampling Results

Well	Date	TPH as Gasoline (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)
MW-1	06-12-90	770	3.0	ND	3.0	4.0
	02-01-91	740	92	7.0	2.7	3.2
	06-03-91	ND	ND	ND	ND	ND
	12-17-91	560	8.3	11	8.1	61
	03-06-92	700	6.0	9.9	22	40
	05-28-92	1,000	4.2	5.1	15	30
	08-31-92	1,600	13	12	27	57
	12-07-92	4,900	12	16	35	130
	03-22-93	3,900	8.2	8.5	17	42
	06-04-93	1,600	0.9	1.6	1.8	4.2
	09-24-93	1,400	3.3	3.7	7.3	17
	12-15-93	1,400	1.8	2.0	4.8	17
	03-11-94	670	5.0	4.9	2.7	30
	06-20-94	ND	ND	ND	ND	ND
	09-13-94	ND	ND	ND	ND	ND
	12-05-94	ND	ND	ND	ND	ND
Detection Limit		50	0.5	0.5	0.5	0.5

ND = not detected

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-08-0404

To: **Hageman-Aguiar, Inc.**
Attn.: Randal Wilson

Test Method 8260A
Prep Method: 5030

MTBE - Volatile Organics by GC/MS

Sample ID:	**MW-1**	Lab Sample ID:	**1999-08-0404-001**
Project:	Granholt Metals	Received	08/25/1999 16:43
		Extracted:	09/01/1999 16:25
Sampled:	08/25/1999 14:57	QC-Batch:	1999/09/01-01.07
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	09/01/1999 16:26	
Surrogate(s)						
1,2-Dichloroethane-d4	85.9	76-114	%	1.00	09/01/1999 16:26	

LOCATION OF BORING

SEE SITE MAP

JOB NO.	CLIENT	LOCATION
	GRANHOLT	ALBANY

DRILLING METHOD:	BORING NO.
8" HOLLOW STEM AUGER	MW-1
	SHEET 1 of 1
SAMPLING METHOD:	DRILLING
2" SPLIT BARREL SAMPLER WITH BRASS LINERS	START / FINISH

					START	FINISH
WATER LEVEL						
TIME					TIME 0900	TIME 1026
DATE					DATE 6/7/90	DATE 6/7/90
CASING DEPTH						

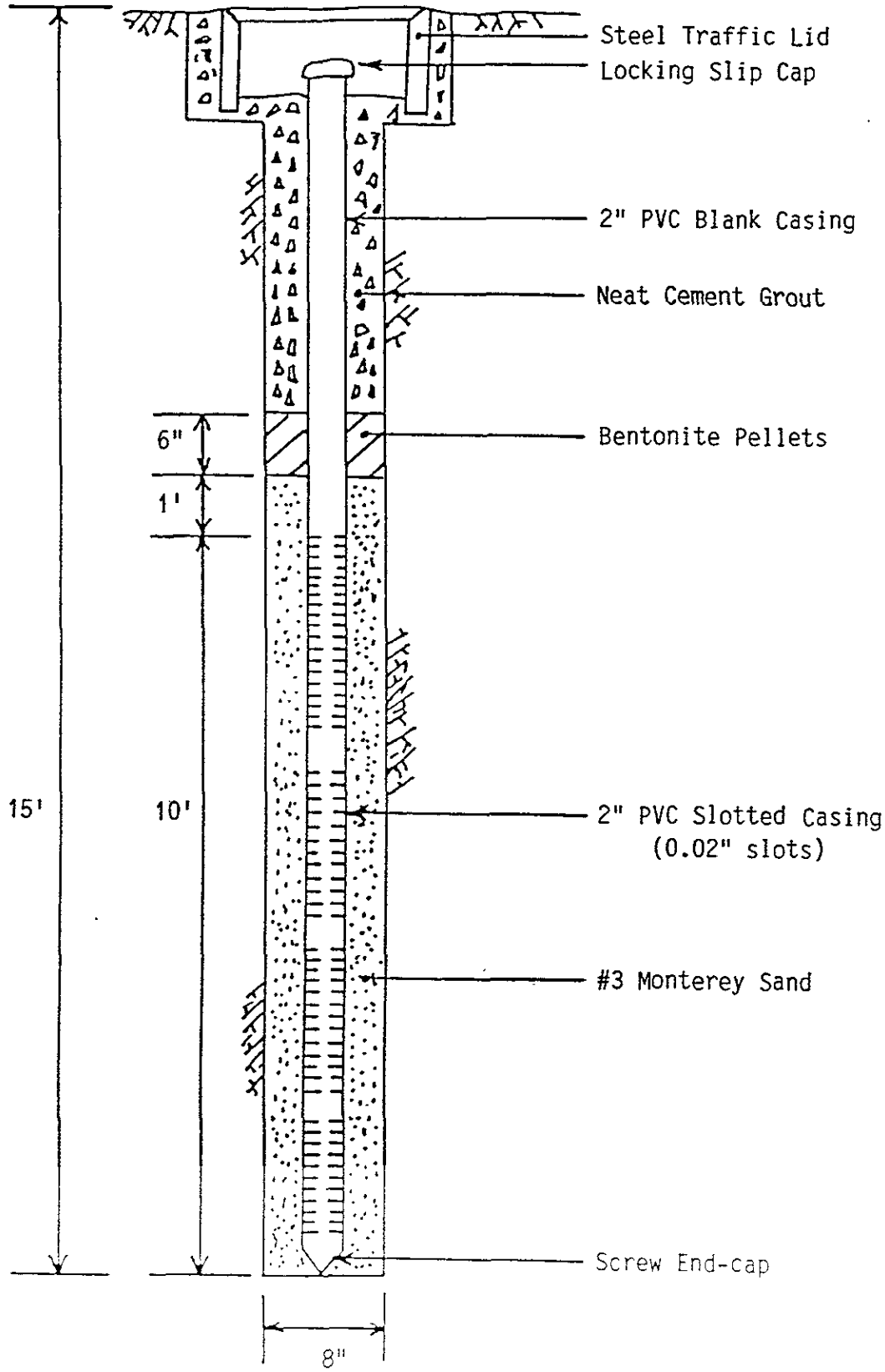
DRILLING CONTR. _____ DATUM _____ ELEVATION _____

DATE _____ CHK'D BY _____

SAMPLER TYPE	INCHES DRIVEN / INCHES RECOVERED	DEPTH OF CASING	SAMPLE NO. / SAMPLE DEPTH	BLOWS/FT. SAMPLER	TIME	DEPTH IN FEET	SOIL GRAPH	SURFACE CONDITIONS:
						0		CONCRETE
						1		GREY SAND (SP), FILL, FINE GRAIN, LOOSE
						2		
						3		
						4		SAME, SATURATED
2" SPLIT	18/4			1/1/1	0948	5		(NO ODOR)
						6		
						7		
						8		
						9		GREY GRAVELLY CLAY (CH), MOIST, STIFF, VERY GRAVELLY, ANGULAR & SUB-ANGULAR GRAVEL TO
2" SPLIT	18/15			10/13/28	1008	10		
						1		BRN GRAVELLY CLAY (CH), NEARLY DRY, STIFF, VERY GRAVELLY, ANGULAR & SUB-ANGULAR TO 1"
						2		
						3		
						4		
						5		DK BRN CLAY (CH) & LT BRN SANDSTONE, NEARLY DRY, SANDSTONE & CLAY INTERBEDDED IN LARGE POCKETS, SANDSTONE MODERATELY CONSOLIDATED, CLAY STIFF, MODERATE PLASTICITY
2 SPLIT	18/12			9/17/21	1026	6		
						7		
						8		TOTAL DEPTH = 16' BLS
						9		
						0		

REGISTERED PROFESSIONAL ENGINEER
GARY H. AGUIAR
No. C-34262
CIVIL
STATE OF CALIFORNIA

MONITORING WELL MW-1



Granholt Sheet Metal
Albany, CA

2/24/92

SAMPLE NO.	COMPOUNDS (ppb)	CONCENTRATIONS (ppb)	DETECTION LIMITS (ppb)
MW-HS	TPH-G	670	50
	Benzene	3.9	0.50
	Toluene	4.9	0.50
	Ethyl-Benzene	16	0.50
	Xylenes	11	0.50
MW-1	TPH-G	ND	50
	Benzene	ND	0.50
	Toluene	ND	0.50
	Ethyl-Benzene	ND	0.50
	Xylenes	ND	0.50
MW-2	TPH	ND	50
	Benzene	ND	0.50
	Toluene	ND	0.50
	Ethyl-Benzene	ND	0.50
	Xylenes	ND	0.50

TABLE 2. Groundwater Sampling Results
Granholt Sheet Metal, Albany

Well	Sampled 6-12-90				
	Weathered Gasoline (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Xylenes (ug/L)
MW-1	770	3.0	ND	3.0	4.0
DETECTION LIMIT (ug/L)	50	0.3	0.3	0.3	0.6