

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

REMEDIAL ACTION COMPLETION CERTIFICATION

StID 354 - 1229 28th Street, Oakland, CA
(2-6K, 1-6.5K, 1-2K, 1-1K stoddard solvent and 1-500
gallon diesel tanks removed in 1989-1990)

March 18, 1998

Ms Lynne and Diana Glassman
Meyer & Annegret Trust
1225 7th Street
Oakland, CA 94607

Mr. Albert Plute
18376 Jill Way
Castro Valley, CA 94546

Dear Ms. Glassman and Mr. Plute:

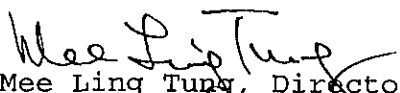
This letter confirms the completion of site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the 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: Richard Pantages, Chief of Division of Environmental Protection
Chuck Headley, RWQCB
Dave Deaner, SWRCB
Leroy Griffin, OFD
files-ec (plute.3)

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY

DAVID J. KEARS, Agency Director

StID 354

March 18, 1998

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1225 7th Street
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ENVIRONMENTAL HEALTH SERVICES.

ENVIRONMENTAL PROTECTION (LOP)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700

Mr. Frank Kliewer
18376 Jill Way
Castro Valley, CA 94546

Re: Fuel Leak Site Case Closure for 1229 28th Street, 225 3rd
Street, Oakland, CA 94607

Dear Ms. Glassman and Mr. Plute:

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 270 ppm TPH as diesel remain in soil in the vicinity of the former USTs;
- o up to 17 ppb benzene remain in groundwater beneath the site; and,
- o a site health and safety plan is required if excavation/trenching is proposed in the vicinity of residual soil and groundwater contamination.

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 Kliewer
City of Oakland-Planning
1330 Broadway, 2nd Floor
Oakland, CA 94612

files (plute.4)



CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: December 9, 1997

Agency name: Alameda County-HazMat Address: 1131 Harbor Bay Pkwy
City/State/Zip: Alameda, CA 94502 Phone: (510) 567-6700
Responsible staff person: T. Peacock Title: Supervisor, HMS

II. CASE INFORMATION

Site facility name: Marshall Steel Cleaners
Site facility address: 1229 28th Street, Oakland, CA 94608
RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 354
URF filing date: 9/7/89 SWEEPS No: N/A

Responsible Parties: Addresses: Phone Numbers:

- | | |
|---|--|
| 1. Meyer & Annegret Trust
Lynne and Diana Glassman
1225 7th Street
Oakland, CA 94607 | 2. Albert Plute
18376 Jill Way
Castro Valley, CA 94546 |
|---|--|

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	6,000	Stoddard Solvent	Removed	Aug 1989
2	6,000	"	"	"
3	6,500	"	"	"
4	500	Diesel	"	May 1990
5	2,000	Stoddard Solvent	"	June 1989
6	1,000	"	"	June 1989

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: Unknown
Site characterization complete? YES
Date approved by oversight agency: 7/17/97
Monitoring Wells installed? Yes Number: 1
Proper screened interval? Yes, 4' to 23'bgs
Highest GW depth below ground surface: 4.07' Lowest depth: 6.85'
Flow direction: SW, based on data collected at 2850 Poplar Street, approximately two blocks (800') away, and at 2711 Union Street, across the street.

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

86 JAN 22 AM 10:11
7/17/97

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	3 USTs	Disposed by H & H, San Francisco	Aug 1989
	3 USTs	Disposed by Erickson, in Richmond	5/10/90
Rinsate	1,000 gallons	Disposed by H & H, San Francisco	5/4/90

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

<u>Contaminant</u>	<u>Soil (ppm)</u>		<u>Water (ppb)</u>	
	<u>Before¹</u>	<u>After</u>	<u>Before²</u>	<u>After³</u>
TPH (Stoddard Solvent) *	NA		NA	<50
TPH (Diesel)	270		1,900	120
Benzene	ND		ND	17
Toluene	0.066		ND	5.2
Ethylbenzene	1.8		ND	1.8
Xylenes	ND		ND	28
MtBE	32		NA	32
Other	Cl-HC	ND ⁴	ND ⁵	NA


NOTE: 1 soil sample collected at time of UST removal, Aug 1989
 2 "grab" water sample from pit, Aug 1989
 3 water from well MW-1, Feb 1997
 4 soil sample from USTs removed under sidewalk of 28th Street, May 1990
 5 ND for chlorobenzene and dichlorobenzene, ie
 * stoddard solvent boiling range is C₅-C₁₁, and diesel range is C₁₀-C₂₂, therefore, TPHd is the wrong analysis to characterize stoddard solvent.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? _____
 Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? _____
 Does corrective action protect public health for current land use? **YES**
 Site management requirements: **A site health and 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: **None, pending site closure**
 Number Decommissioned: **0** Number Retained: **1**
 List enforcement actions taken: **NOVs issued 4/19/95, 5/31/95, 12/27/95**
 List enforcement actions rescinded:

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Eva Chu Title: Haz Mat Specialist

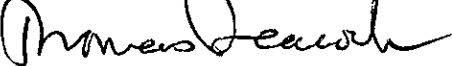
Signature:  Date: 12/31/97

Reviewed by

Name: Barney Chan Title: Haz Mat Specialist

Signature:  Date: 12/12/97

Name: Thomas Peacock Title: Supervisor

Signature:  Date: 12-30-97

VI. RWQCB NOTIFICATION

Date Submitted to RB: 1/2/98 RB Response: Concur

RWQCB Staff Name: ^{Stephen Hill} ~~Kevin Graves~~ Title: ~~AWRCE~~ ^{ES IV Supr}

Signature:  Date: 1/20/98

VII. ADDITIONAL COMMENTS, DATA, ETC.

In June 1989 two stoddard solvent USTs (1-2K and 1-1K gallon tanks) were removed from 28th Street (under sidewalk) illegally and transported to Carter's Scrap Yard, a non-permitted TDSF. Following enforcement action taken by Alameda County District Attorney's Office 1990 the two tanks at Carter's Scrap Yard were transported in May 1990 to Erickson for proper treatment and disposal. At this time the remaining UST (500 gallon diesel tank) under the sidewalk of 28th Street was removed. Soil samples (S1, S2, S5 through S8) were collected from the sidewalls and floor bottom of the pit and analyzed for TPHd and VOCs (Method 8240). The only constituents detected was up to 32ppm TPHd. Soil samples were not analyzed for TPH as stoddard solvent (TPHss). (See Fig 1, 2 and Table 1, 2)

In August 1989 three other stoddard solvent USTs (1-6,500 gallon and 2-6K gallon solvent tanks) were removed from the sidewalk of Union Street. Groundwater was encountered at ~10.5'bgs. Six sidewall samples (A-1, A-2, B-1, B-2, C-1, and C-2) were collected from the capillary fringe zone. A grab water sample (W-1) was collected from the pit of the former 6,500 gallon UST. All samples were analyzed for TPHd and BTEX. Up to 270 ppm TPHd and ND to trace levels of BTEX were identified in soil. The water sample contained 1,900ppb TPHd and did not identify BTEX. It was believed soil generated from the tank removal was returned to the pit without characterization. Again, the samples collected were not analyzed for TPHss. (See Fig 3, Table 3)

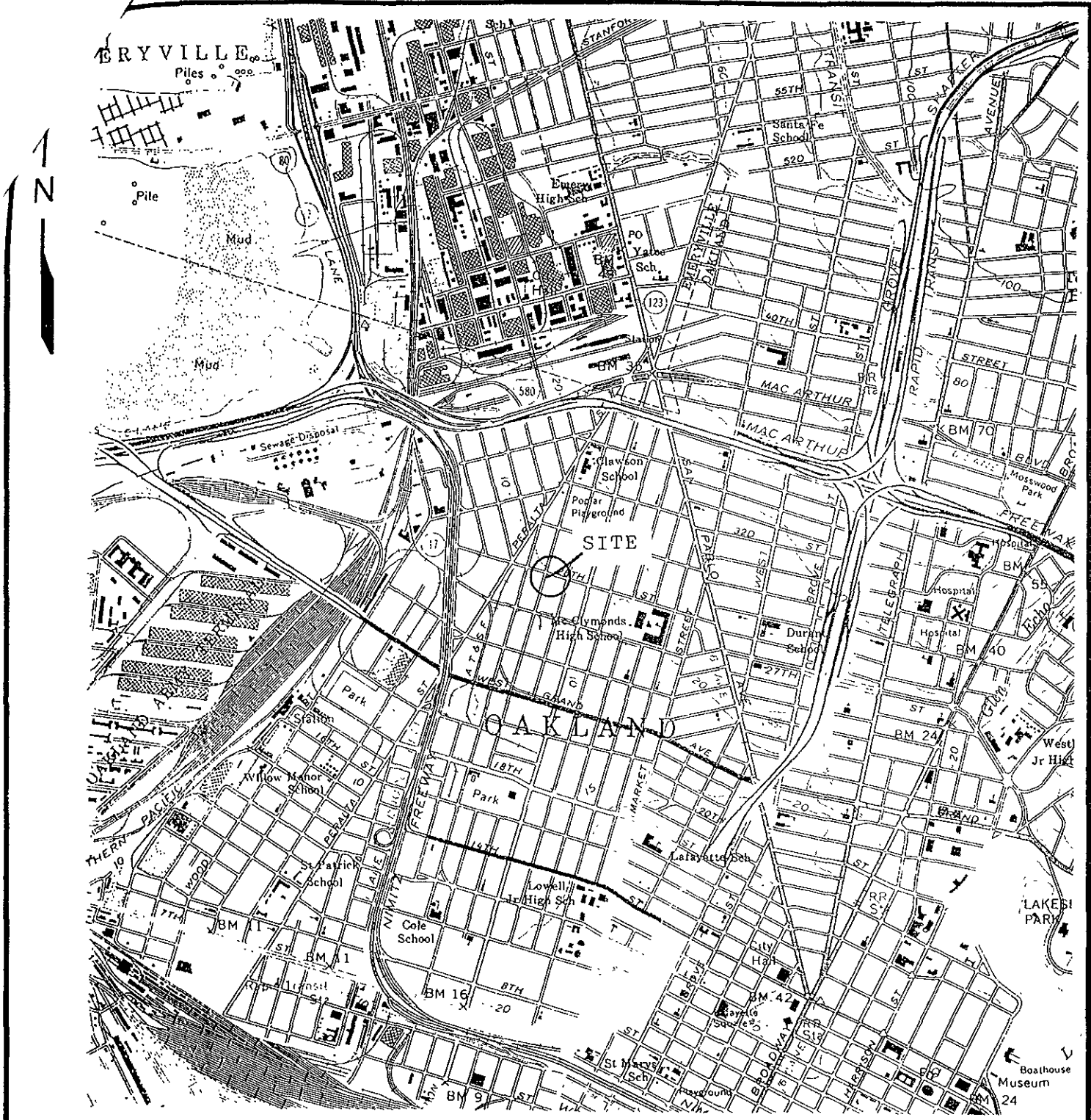
In May 1996 three hand augered borings (BH-A, BH-B, and BH-C) were drilled in the former tank pit on Union Street to collect soil samples from the fill material at ~3' bgs. A soil boring, BH-D, was also advanced "downgradient" of the pit to a depth of ~25' bgs and completed as groundwater monitoring well MW-1. A soil sample was collected from 6' bgs from boring BH-D. This time all soil samples were analyzed for TPH-ss, as well as TPHd, BTEX, and MtBE. Low to ND levels of these constituents were identified. (See Fig 4, Table 4)

Groundwater has been sampled for four consecutive quarters (from 5/96 to 2/97). Low levels of TPHss, TPHd, BTEX, and MtBE have been identified. However, the levels should not pose a risk to human health or the environment. (See Table 5)

Stoddard Solvent is composed of ~85% nonane and 15% trimethyl benzene. These compounds are insoluble in water. Although soil from the former tank pit on 28th Street was not analyzed for TPHss, its location is upgradient of well MW-1 (~60' away). If there were a significant release from these former tanks it should have been detected at the downgradient well. The absence of elevated concentrations of TPHss in well MW-1 suggests the fuel release from the former USTs on Union Street and 28th Street was not significant.

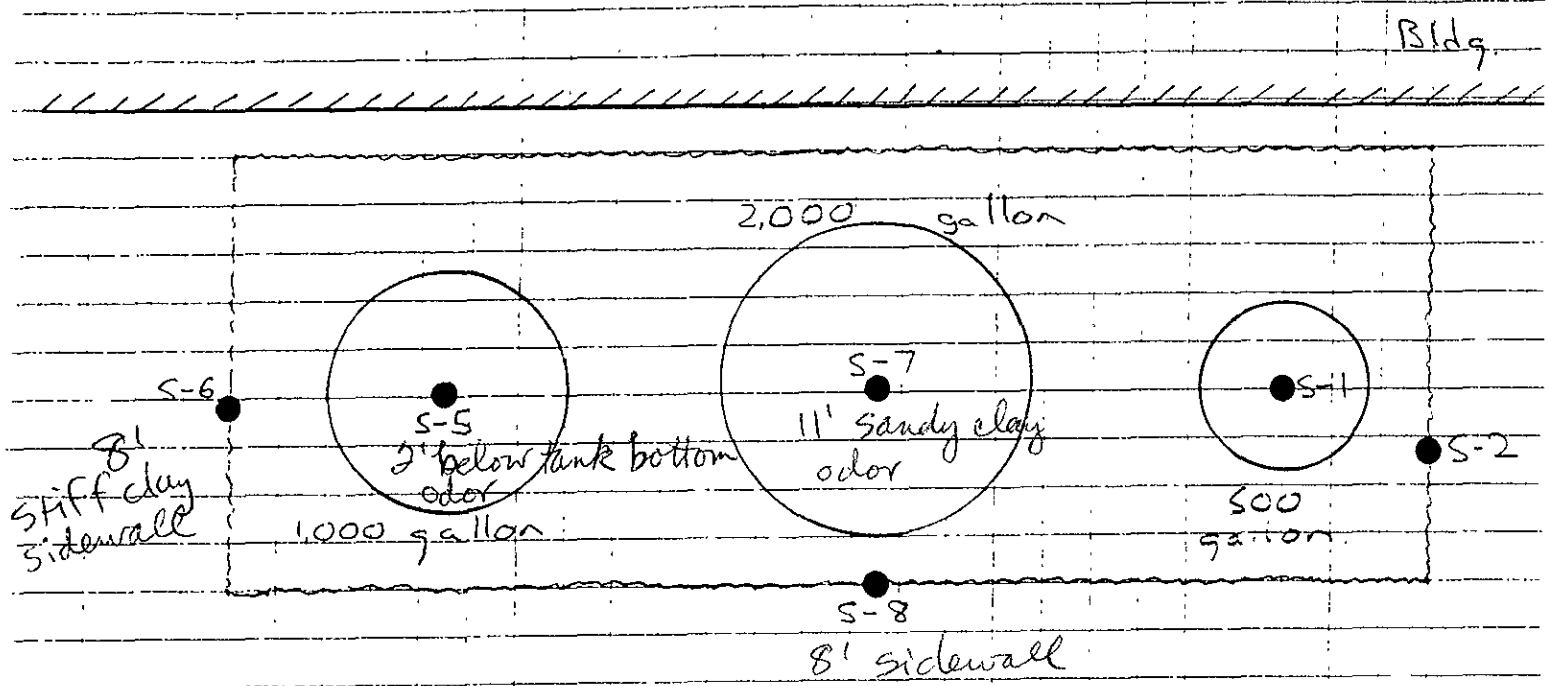
In summary, case closure is recommended because:

- 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.



SITE LOCATION MAP	
Former Plute Property 1229 - 28th Street Oakland, California	
Aqua Science Engineers	Figure 1

BASE: Oakland West 7.5 minute quadrangle topographic map, dated 1960, scale 1:24,000.



No scale

Excavation tank and sample locations approximate based on field notes.

28th St.

S-3 + S-4? maybe SP
assumed PCE USTs based on odor.

info as per Mike Katz of Blymer

Figure 2

Table 1

Client NO: 36.99
Client Name: All Mercedes Dismantling
NET Log No: 1881

Date: 05-11-90

Page: 2

Ref: All Mercedes Dismantling, Project: 90175

Descriptor, Lab No. and Results

Parameter	Method	Reporting Limit	AMD-S-1	AMD-S-2	Units
			05-04-90 1500	05-04-90 1500	
PETROLEUM HYDROCARBONS EXTRACTABLE (SOIL)			--	--	
DILUTION FACTOR *			10	1	
DATE EXTRACTED			05-08-90	05-08-90	
DATE ANALYZED			05-08-90	05-08-90	
METHOD GC FID/3550 as Diesel		1	32	24	mg/Kg

TABLE 2

Client Acct: 36.01
 Client Name: AI Plute
 NET Log No: 1967

Date: 05-21-90
 Page: 2

Ref: All Mercedes, Project:90175

Descriptor, Lab No. and Results

Parameter	Reporting Limit	S-5	S-6	S-7	Units
		05-10-90 1612	05-10-90 1625	05-10-90 1640	
		52936	52937	52938	
METHOD 8240					
DATE ANALYZED		05-16-90	05-16-90	05-16-90	
DILUTION_FACTOR *		1	10	1	
Benzene	25	ND	ND	ND	ug/Kg
Acetone	50	ND	ND	ND	ug/Kg
Bromodichloromethane	25	ND	ND	ND	ug/Kg
Bromoform	25	ND	ND	ND	ug/Kg
Bromomethane	25	ND	ND	ND	ug/Kg
2-Butanone	50	ND	ND	ND	ug/Kg
Carbon disulfide	25	ND	ND	ND	ug/Kg
Carbon tetrachloride	25	ND	ND	ND	ug/Kg
Chlorobenzene	25	ND	ND	ND	ug/Kg
Chloroethane	25	ND	ND	ND	ug/Kg
2-Chloroethyl Vinyl Ether	50	ND	ND	ND	ug/Kg
Chloroform	25	ND	ND	ND	ug/Kg
Chloromethane	25	ND	ND	ND	ug/Kg
Dibromochloromethane	25	ND	ND	ND	ug/Kg
1,2-Dichlorobenzene	25	ND	ND	ND	ug/Kg
1,3-Dichlorobenzene	25	ND	ND	ND	ug/Kg
1,4-Dichlorobenzene	25	ND	ND	ND	ug/Kg
1,1-Dichloroethane	25	ND	ND	ND	ug/Kg
1,2-Dichloroethane	25	ND	ND	ND	ug/Kg
1,1-Dichloroethene	25	ND	ND	ND	ug/Kg
trans-1,2-Dichloroethene	25	ND	ND	ND	ug/Kg
1,2-Dichloropropane	25	ND	ND	ND	ug/Kg
cis-1,3-Dichloropropene	25	ND	ND	ND	ug/Kg
trans-1,3-Dichloropropene	25	ND	ND	ND	ug/Kg
Ethylbenzene	25	ND	ND	ND	ug/Kg
2-Hexanone	50	ND	ND	ND	ug/Kg
Methylene chloride	25	ND	ND	ND	ug/Kg
4-Methyl-2-pentanone	50	ND	ND	ND	ug/Kg
Styrene	25	ND	ND	ND	ug/Kg
1,1,2,2-Tetrachloroethane	25	ND	ND	ND	ug/Kg
Tetrachloroethene	25	ND	ND	ND	ug/Kg
Toluene	25	ND	ND	ND	ug/Kg
1,1,1-Trichloroethane	25	ND	ND	ND	ug/Kg
1,1,2-Trichloroethane	25	ND	ND	ND	ug/Kg
Trichloroethene	25	ND	ND	ND	ug/Kg
Trichlorofluoromethane	25	ND	ND	ND	ug/Kg
Vinyl Acetate	50	ND	ND	ND	ug/Kg

Client Acct: 36.01
Client Name: Al Plute
NET Log No: 1967

cont. Table 2

Date: 05-21-90
Page: 3

Ref: All Mercedes, Project:90175

Descriptor, Lab No. and Results

Parameter	Reporting Limit	S-5	S-6	S-7	Units
		05-10-90 1612	05-10-90 1625	05-10-90 1640	
Vinyl chloride	25	ND	ND	ND	ug/Kg
Xylenes, total	25	ND	ND	ND	ug/Kg

Client Acct: 36.01 *Cont. Table 2*
 Client Name: Al Plute
 NET Log No: 1967

Date: 05-21-90
 Page: 4

Ref: All Mercedes, Project:90175

Descriptor, Lab No. and Results

Parameter	Reporting Limit	S-8	METHOD BLANK	Units
		05-10-90 1645	52940	
METHOD 8240				
DATE ANALYZED		05-16-90	05-16-90	
DILUTION FACTOR *		10	1	
Benzene	25	ND	ND	ug/Kg
Acetone	50	ND	ND	ug/Kg
Bromodichloromethane	25	ND	ND	ug/Kg
Bromoform	25	ND	ND	ug/Kg
Bromomethane	25	ND	ND	ug/Kg
2-Butanone	50	ND	ND	ug/Kg
Carbon disulfide	25	ND	ND	ug/Kg
Carbon tetrachloride	25	ND	ND	ug/Kg
Chlorobenzene	25	ND	ND	ug/Kg
Chloroethane	25	ND	ND	ug/Kg
2-Chloroethyl Vinyl Ether	50	ND	ND	ug/Kg
Chloroform	25	ND	ND	ug/Kg
Chloromethane	25	ND	ND	ug/Kg
Dibromochloromethane	25	ND	ND	ug/Kg
1,2-Dichlorobenzene	25	ND	ND	ug/Kg
1,3-Dichlorobenzene	25	ND	ND	ug/Kg
1,4-Dichlorobenzene	25	ND	ND	ug/Kg
1,1-Dichloroethane	25	ND	ND	ug/Kg
1,2-Dichloroethane	25	ND	ND	ug/Kg
1,1-Dichloroethene	25	ND	ND	ug/Kg
trans-1,2-Dichloroethene	25	ND	ND	ug/Kg
1,2-Dichloropropane	25	ND	ND	ug/Kg
cis-1,3-Dichloropropene	25	ND	ND	ug/Kg
trans-1,3-Dichloropropene	25	ND	ND	ug/Kg
Ethylbenzene	25	ND	ND	ug/Kg
2-Hexanone	50	ND	ND	ug/Kg
Methylene chloride	25	ND	ND	ug/Kg
4-Methyl-2-pentanone	50	ND	ND	ug/Kg
Styrene	25	ND	ND	ug/Kg
1,1,2,2-Tetrachloroethane	25	ND	ND	ug/Kg
Tetrachloroethene	25	ND	ND	ug/Kg
Toluene	25	ND	ND	ug/Kg
1,1,1-Trichloroethane	25	ND	ND	ug/Kg
1,1,2-Trichloroethane	25	ND	ND	ug/Kg
Trichloroethene	25	ND	ND	ug/Kg
Trichlorofluoromethane	25	ND	ND	ug/Kg
Vinyl Acetate	50	ND	ND	ug/Kg

Client Acct: 36.01 *cont. Table 2*
Client Name: Al Plute
NET Log No: 1967

Date: 05-21-90
Page: 5

Ref: All Mercedes, Project:90175

Descriptor, Lab No. and Results

Parameter	Reporting Limit	S-8 05-10-90 1645		Units
		52939	METHOD BLANK 52940	
Vinyl chloride	25	ND	ND	ug/Kg
Xylenes, total	25	ND	ND	ug/Kg



KAPREALIAN ENGINEERING, INC.

Consulting Engineers

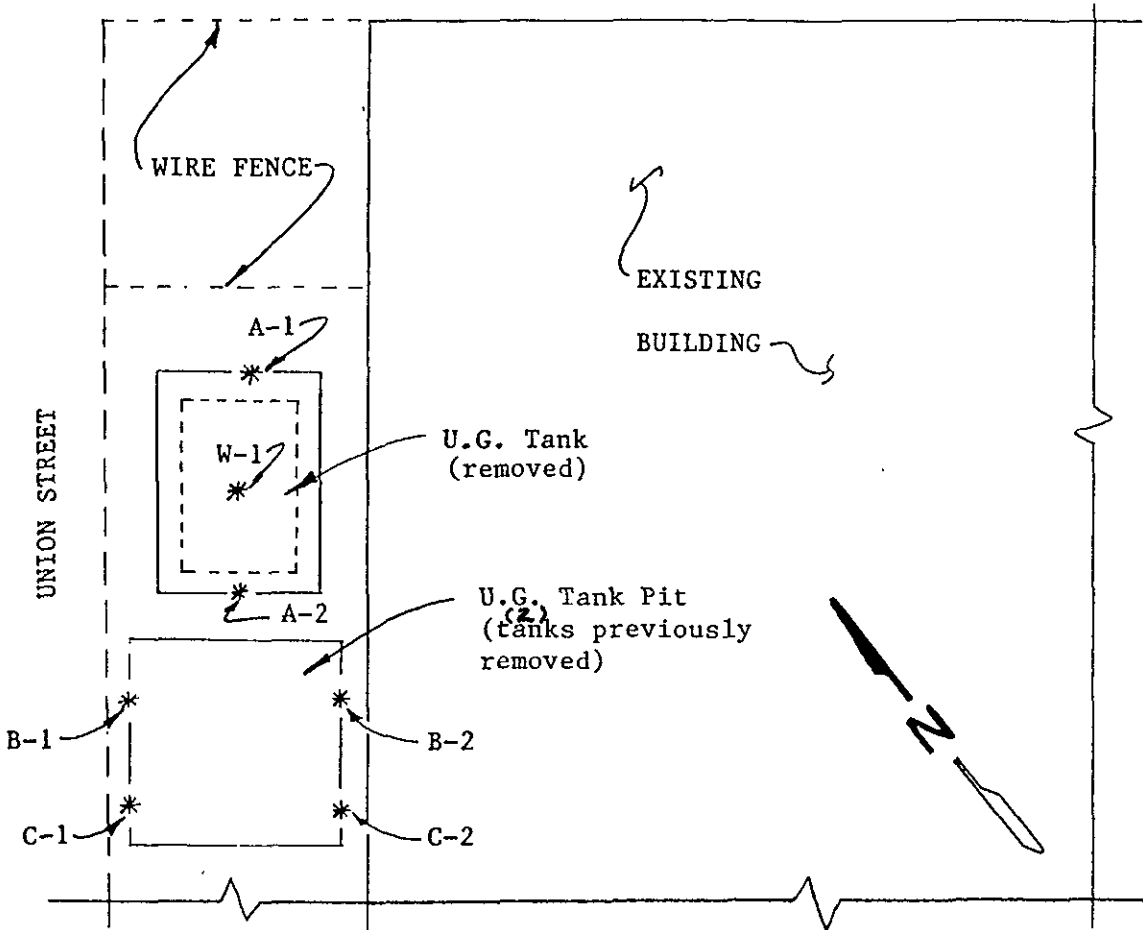
P. O. BOX 913

BENICIA, CA 94510

(707) 746-6915

569-0505

3 more USTs on → 28TH STREET



SITE PLAN

n.t.s.

* Sample Location

Albert John Plute Co.
1229 - 28th Street
Oakland, California

RECEIVED
SEP 11 1989
SUPERSTRUCTURES, INC.

Fig 3

MW-1

Union Street

Sidewalk

28th Street

Anticipated
Groundwater
Flow Direction

Building

Sidewalk

Approximate
location of USTs
removed in
June 1989 and
May 1990

LEGEND



Monitoring Well



Former UST

NORTH

SCALE

1" = 20'

Well Location Map

Former Plute Property
1229 - 28th Street
Oakland, California

AQUA SCIENCE ENGINEERS, INC.

Figure 2

KEI-J89-0809.R1
September 8, 1989

TABLE 3

SUMMARY OF LABORATORY ANALYSES
SOIL
(Results in ppm) ✓

8-15-89

<u>Sample #</u>	<u>Depth (feet)</u>	<u>TPH as Diesel</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Xylenes</u>	<u>Ethylbenzene</u>
A1	10	270 ✓	ND ✓	.045 ✓	ND ✓	.130 ✓
A2	10	17 ✓	ND ✓	0.29 ✓ 0.029 ✓	ND ✓	ND ✓
B1	10	3.0 ✓	ND ✓	ND ✓	ND ✓	ND ✓
B2	10	130 ✓	ND ✓	0.66 ✓ 0.066 ✓	1.80 ✓ ND ✓	ND ✓ 1.8 ✓
C1	10	32 ✓	ND ✓	ND ✓	ND ✓	ND ✓ 0.059 ✓
C2	10	35 ✓	ND ✓	ND ✓	ND ✓	ND ✓

SUMMARY OF LABORATORY ANALYSES
GROUND WATER

(Results in ppb) ✓ 8-15-89

<u>Sample #</u>	<u>Diesel</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Xylenes</u>	<u>Ethylbenzene</u>
W1	1,900 ✓	ND ✓	ND ✓	ND ✓	ND ✓

water was not purged + let to recharge

ND = Non-detectable.

NOTE: Chlorobenzene and Dichlorobenzene were non-detectable for all samples. ✓ (soil + water)

RECEIVED
SEP 11 1989
SUPERSTRUCTURES, INC.

C. Drill cuttings were contained in DOT 17H drums for future disposal by the client.

5.0 ANALYTICAL RESULTS FOR SOIL

The soil samples collected from 3.0-foot bgs in borings BH-A, BH-B and BH-C and 6.0-foot bgs in boring BH-D were analyzed by MAI for TPH-SS by modified EPA Method 5030/8015, TPH-D by modified EPA Method 3510/8015, and BTEX and MTBE by EPA Method 8020. The analytical results are tabulated in Table One, and a copy of the certified analytical report and chain of custody form are included in Appendix D.

TABLE ONE
 Summary of Chemical Analysis of SOIL Samples
 All results are in parts per million

Boring & Depth	TPH-SS	TPH-D	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE
BH-A-3.0'	29	19*	< 0.005	< 0.005	< 0.005	0.13	< 0.05
BH-B-3.0'	75	25*	< 0.005	< 0.005	0.008	0.26	< 0.05
BH-C-3.0'	24	9*	< 0.005	< 0.005	< 0.005	0.097	< 0.05
BH-D-6.0'	9.8	3.6*	< 0.005	< 0.005	< 0.005	0.029	< 0.05

Notes:

* = Non-typical chromatogram pattern

TPH-SS concentrations ranged from a low of 9.8 ppm in the soil sample collected from boring BH-D to a high of 75 ppm in the soil sample collected from boring BH-B. TPH-D concentrations ranged from a low of 3.6 ppm in the soil sample collected from boring BH-D to a high of 25 ppm in the soil sample collected from boring BH-B. Only very low concentrations of ethylbenzene and total xylenes (a high of 0.008 ppm ethylbenzene and 0.26 ppm total xylenes) were detected in the soil samples. No benzene, toluene or MTBE was detected in any of the soil samples.

TABLE ONE 5
Summary of Chemical Analysis of GROUNDWATER Samples
 All results are in parts per billion

Date Sampled	TPH-SS	TPH-D	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE
<u>MW-1</u>							
5-06-96	70*	200*	0.55	1.9	<0.5	0.51	25
8-01-96	97	470*	2.2	6.2	0.51	12	<5
11-12-96	130*	52*	1.4	<0.5	<0.5	7.6	85
02-06-97	<50	120	17	5.2	1.8	28	32

* = Non-typical chromatogram pattern

4.0 CONCLUSIONS AND RECOMMENDATIONS

The hydrocarbon concentrations detected in groundwater samples collected this quarter are generally consistent with previous results. The benzene concentration of 17 parts per billion (ppb) exceeded the California Department of Toxic Substances Control (DTSC) maximum contaminant level (MCL) for drinking water of 1 ppb. However, since groundwater in the site vicinity is not utilized for drinking water, projects in the site vicinity are often closed with hydrocarbon concentrations exceeding DTSC MCLs.

Based on these results, ASE recommends that this site be considered for case closure.

5.0 REPORT LIMITATIONS

The results of this investigation represent conditions at the time of the groundwater sampling, at the specific locations where the samples were collected, and for the specific parameters analyzed by the laboratory.

It does not fully characterize the site for contamination resulting from unknown sources, or for parameters not analyzed by the laboratory. All of the laboratory work cited in this report was prepared under the direction of an independent CAL-EPA certified laboratory. The independent laboratory is solely responsible for the contents and conclusions of the analytical data.

BORING LOG AND MONITORING WELL CONSTRUCTION DETAILS

Boring BH-D/Well MW-1

Project Name: Former Plute Property

Project Location: 1229 - 28th Street, Oakland, CA

Page 1 of 1

Driller: Soils Exploration Services

Type of Rig: CME 55

Type and Size of Auger: 8-inch O.D. Hollow-stem

Logged By: Robert E. Kitay

Date Drilled: May 1, 1996

Checked By: David M. Schultz, P.E.

WATER AND WELL DATA

Depth of Water First Encountered: 6.5'

Total Depth of Well Completed: 23.5'

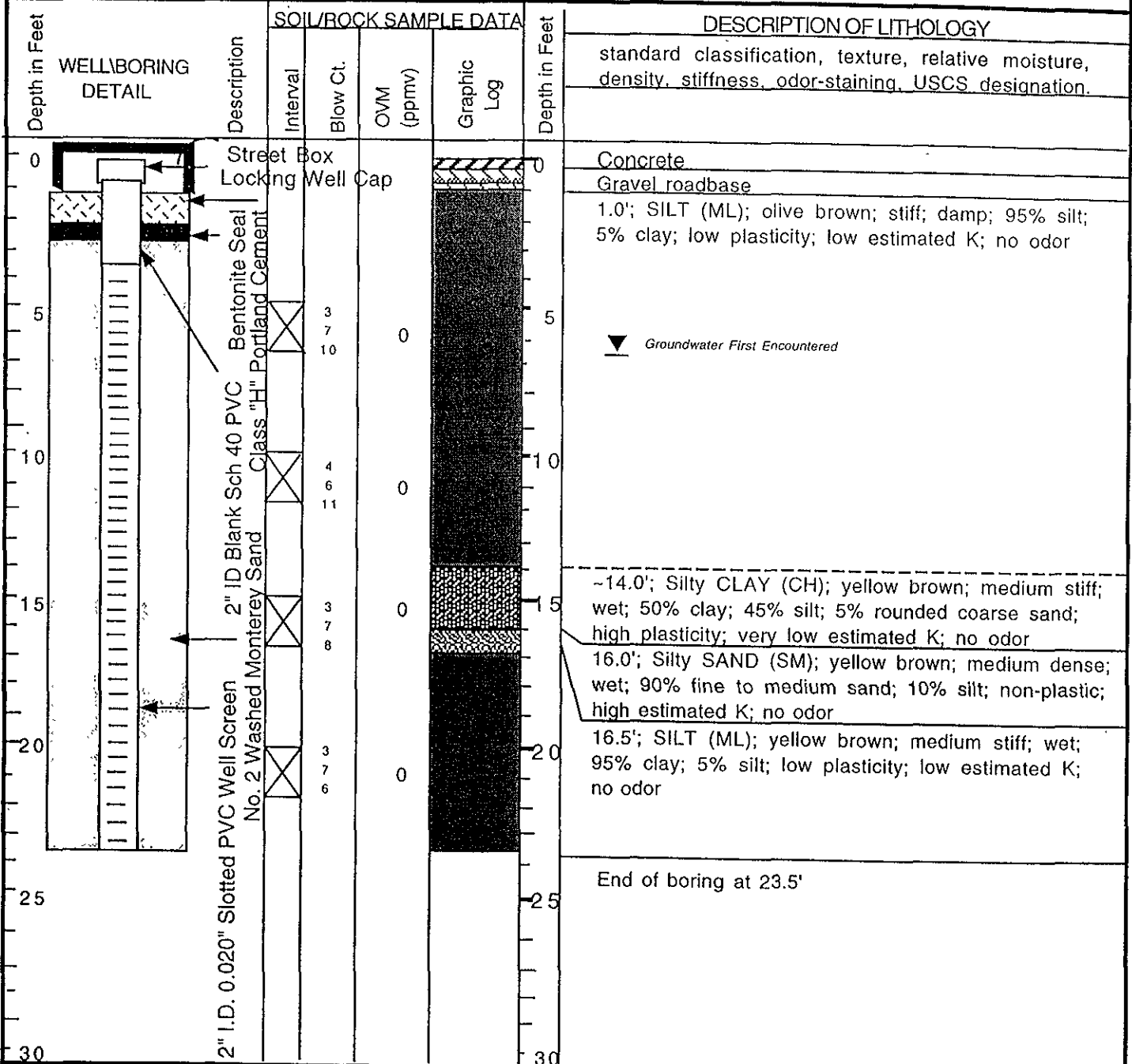
Static Depth of Water in Well: 6.5'

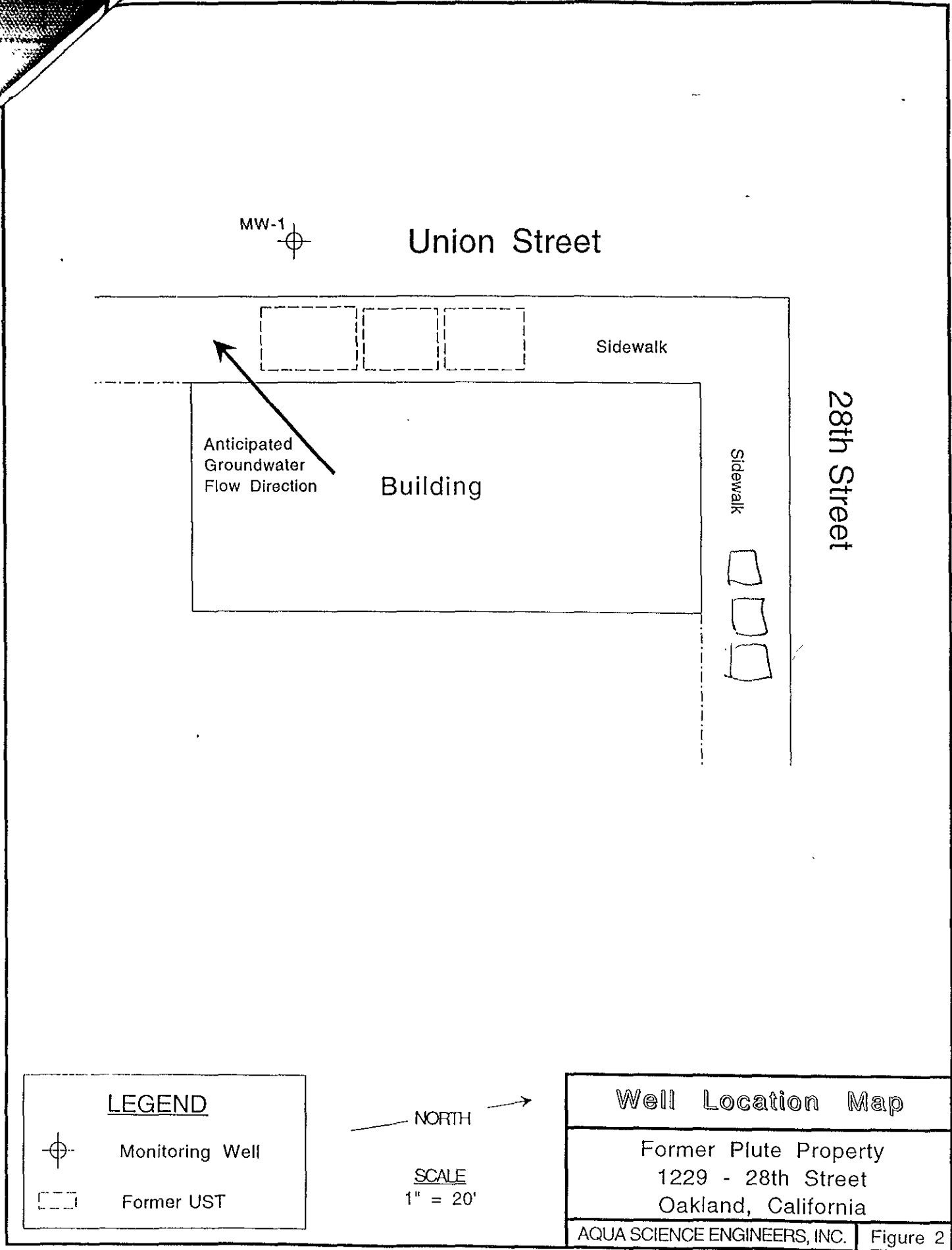
Well Screen Type and Diameter: 2" Diameter Schedule 40 PVC

Total Depth of Boring: 23.5'

Well Screen Slot Size: 0.020"

Type and Size of Soil Sampler: 2" I.D., Calif. Split-barrel





LEGEND



Monitoring Well



Former UST



NORTH

SCALE
1" = 20'

Well Location Map

Former Plute Property
1229 - 28th Street
Oakland, California