01-05-01

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

R0149

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

December 29, 2000

Andre Mercier
551 Gardiner Beach Rd.
Gardiner, WA 98382

Subject: Catering by Andre, 434 – 25th St., Oakland, CA 94612;
StId 5008

REMEDIAL ACTION COMPLETION CERTIFICATION

Dear Mr. Mercier:

This letter confirms the completion of site investigation and remedial action for the one (1) 1,000 gallon diesel/gasoline underground storage tank 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 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 Don Hwang at (510) 567-6746 if you have any questions regarding this matter.

Sincerely,

Mee Ling Tung, Director

c: Chuck Headlee, RWQCB
Dave Deaner, SWRCB
Leroy Griffin, OFD
Richard Burzinski, Earth Tech, 695 River Oaks Parkway, San Jose, CA 95134
File

RB # 01-2264

CALIFORNIA REGIONAL WATER
OCT - 5 2000
QUALITY CONTROL BOARD

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Agency name: Alameda County-HazMat
City/State/Zip: Alameda, CA 94502
Responsible staff person: Don Hwang
Date: September 12, 2000
Address: 1131 Harbor Bay Pkwy
Phone: (510) 567-6746
Title: Hazardous Materials Spec.

II. CASE INFORMATION

Site facility name: Catering by Andre
Site facility address: 434 – 25th St., Oakland, CA 94612
RB LUSTIS Case No: N/A
Local Case No./LOP Case No.: 5008
URF filing date: 4/28/94
SWEEPS No: N/A

Responsible Parties:	Addresses:	Phone Numbers:
Andre Mercier	551 Gardiner Beach Rd. Gardiner, WA 98382	(707) 965-3793

Tank No:	Size in gal.:	Contents:	Closed in-place or removed?:	Date:
	1,000	diesel/gasoline	removed	3/8/94

00 OCT 13 PM 3:51
ENVIRONMENTAL PROTECTION

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: unknown, unknown
Site characterization complete? yes
Date approved by oversight agency: 8/2/94
Monitoring Wells installed? yes Number: 3
Proper screened interval? Although screened interval is 10 – 15 ft. below ground surface (bgs) and only 1out of 7 monitoring events had GW depth within the screened interval, no free product was found & if free product was present, higher contaminant concentrations would be expected.
Highest GW depth below ground surface: 6.00 ft. Lowest depth: 11.12 ft.
Flow direction: NE & SW, 8/26/97:N, 1/23/98:W, 8/26/97:N, 7/31/98:SW
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) unknown
Report(s) on file? yes Where is report(s) filed? Alameda County, 1131 Harbor Bay Pkwy, Alameda, CA 94502 and Oakland Fire Dept, 505-14th St , 7th Floor, Oakland, CA 94612

Treatment and Disposal of Affected Material:

Material	Amount (include units)	Action (Treatment or Disposal w/destination)	Date
Tank	1	Disposal Erickson, Inc., Richmond, CA	3/8/94
Soil	26 yd3	Disposal Redwood Landfill, Novato, CA	4/28/94

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
TPH (Gas)	290[a]	210[a]	7700[g]	3900[k]
TPH (Diesel)	240[b]	6.0[b]	1070[j]	1400[k]
Benzene	<0.03[c]	0.21[c]	99[h]	110[k]
Toluene	0.095[b]	0.20[c]	22[h]	6.2[k]
Ethylbenzene	0.940[d]	1.6[c]	100[g]	17[k]
Xylenes	4.740[d]	6.8[c]	500[g]	37[k]
Methyl Tertiary-Butyl Ether	NT	NT	405[j]	<5[k]

[a] EX4A, 3/14/94 after overexcavation after tank removal
[b] TP-1, 3/8/94 beneath tank after tank removal
[c] EX4, 3/9/94 at excavation perimeter after tank removal
[d] TP-2, 3/8/94 beneath tank after tank removal
[e] B-1.6, 2/18/97 hand augered
[f] B-1.10, 2/18/97 hand augered
[g] MW-1, 9/8/94 monitoring well
[h] MW-2, 9/8/94 monitoring well
[i] MW-1, 8/26/97 monitoring well
[j] MW-1, 6/1/99 monitoring well
[k] MW-1, 8/18/99 monitoring well
NT=Not Tested

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? 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? 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: 3
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: 9/12/00

Reviewed by

Name: Larry Seto Title: Senior Haz Mat Specialist

Signature: Date: 9/12/00

Name: Thomas Peacock Title: Supervisor

Signature: Thomas Peacock Date: 9-28-00

VI. RWQCB NOTIFICATION

Date Submitted to RB: 9/29/00 RB Response: Concur

RWQCB Staff Name Chuck Headlee Title EG

Signature Chuck Headlee Date 10/11/00

VII. ADDITIONAL COMMENTS, DATA, ETC.

Budget Rental Car Agency was the previous property owner prior to the purchase of the property in 1983 by the current property owner, Andre Mercier, the owner of Catering by Andre. Budget Rental Car Agency installed (year unknown) a 1,000 gal. underground storage tank to store gasoline. Catering by Andre has used the tank to store diesel since it took over the property in 1983.

The tank and its fuel dispenser were removed on March 8, 1994. Two soil samples, TP-1, and TP-2, were collected from beneath the tank. Both samples were analyzed for TPH-D, BTEX. For TP-1, the results (ppm) were 240, <0.015, 0.095, <0.015, and 0.014. For TP-2, the results (ppm) were 3.8, <0.015, <0.015, 0.940, and 4.740. Groundwater was present in the excavation. A groundwater sample, TPW-1 was collected. TPH-D was 45,000 ug/l, benzene was 2.6 ug/l, toluene was 17 ug/l, ethyl benzene was 930 ug/l, and xylene was 7,570 ug/l.

Additional excavation to remove hydrocarbon contaminated soil was done on March 9 and 14, 1994. (Groundwater was not encountered during this phase of work.) Soil samples, EX-1, EX-2, EX-3, EX-4, and EX-4A, were collected from the excavation perimeter. The samples were analyzed for TPH-G, TPH-D, BTEX. For EX-1, EX-2, and EX-3: TPH-G and TPH-D were all <1.0 ppm, BTEX were all <0.005 ppm. For EX-4, TPH-G, TPH-D, BTEX, were 58 ppm, 1.8, <0.03, 0.030, 0.110, and 0.230, respectively. For EX-4A, TPH-G, TPH-D, BTEX, were 290 ppm, 6.0, <0.030, 0.050, <0.030, and 0.280, respectively.

On August 31, 1994, 3 soil borings were completed. Soil borings samples were collected on August 31, 1994. The samples were analyzed for TPH-G, TPH-D, BTEX. One soil boring sample was analyzed for each boring. Soil samples, L-2, L-3, and L-5, were all ND for all constituents. The soil borings were subsequently converted into monitoring wells, MW-1, MW-2, and MW-3. Groundwater samples were collected on September 8, 1994. The samples were analyzed for TPH-G, TPH-D, BTEX. For MW-1, the results were 7,700 ug/l, ND, 21, 5.3, 100, and 500. For MW-2, the results were 2,500 ug/l, ND, 99, 22, 40, and 180. For MW-3, the results were 1,100 ug/l, ND, 5.4, 1.2, 1.4, and 1.7.

On Feb. 18, 1997, 2 hand augered borings, B-1 and B-2, were drilled at the site. B-1 was located where the fuel dispenser used to be. B-2 was located just west of the final soil excavation limits. Soil samples were collected and analyzed for TPH-G, BTEX. B-1.2, which was collected 2 ft. below the asphalt surface, were ND for all constituents. B-1.6, which was collected 6 ft. below the asphalt surface, had 210 mg/kg, <0.12, <0.12, 0.72, and 3.0. B-1.10, which was collected 10 feet (ft.) below the asphalt surface, had 190 mg/kg, 0.21, 0.20, 1.6, and 6.8. Both B-2 samples were ND for all constituents.

Also, on Feb. 18, 1997, groundwater sampling from MW-1, MW-2, and MW-3, was reinitiated. The samples were analyzed for TPH-G, BTEX. Results for MW-1 were 4,300 ug/l, 43, <5.0, 120, and 62. Results for MW-2 were 300 ug/l, 9.2, 1.2, ND, and ND. Results for MW-3 were 56 ug/l, 0 80, ND, ND, and ND

On August 26, 1997, groundwater samples were collected The samples were analyzed for TPH-G, BTEX and included MTBE Results for MW-1 were 4,100 ug/l, 85, 12, 28, and 59 Results for MW-2 were 1,100, 31, <1 2, <1 2, and <1 2 Results for MW-3 were 110, 2 8, ND, ND, and ND

On January 23, 1998, groundwater samples were collected. The samples were analyzed for TPH-G, BTEX. Results for MW-1 were 6,100 ug/l, 29, 94, 210, and 390. Results for MW-2 were 360, 12, 1.6, 1.9, and ND. Results for MW-3 were 68, 1.1, ND, ND, and ND.

On July 31, 1998, groundwater samples were collected. The samples were analyzed for TPH-G, BTEX, and MTBE. Results for MW-1 were 10,000 ug/l, 230, 160, 390, 1,600, and ND. Results for MW-2 were 280, 7.7, ND, 0.72, ND, and 71. Results for MW-3 were 120, 2.0, ND, 1.0, 0.94, and 7.5.

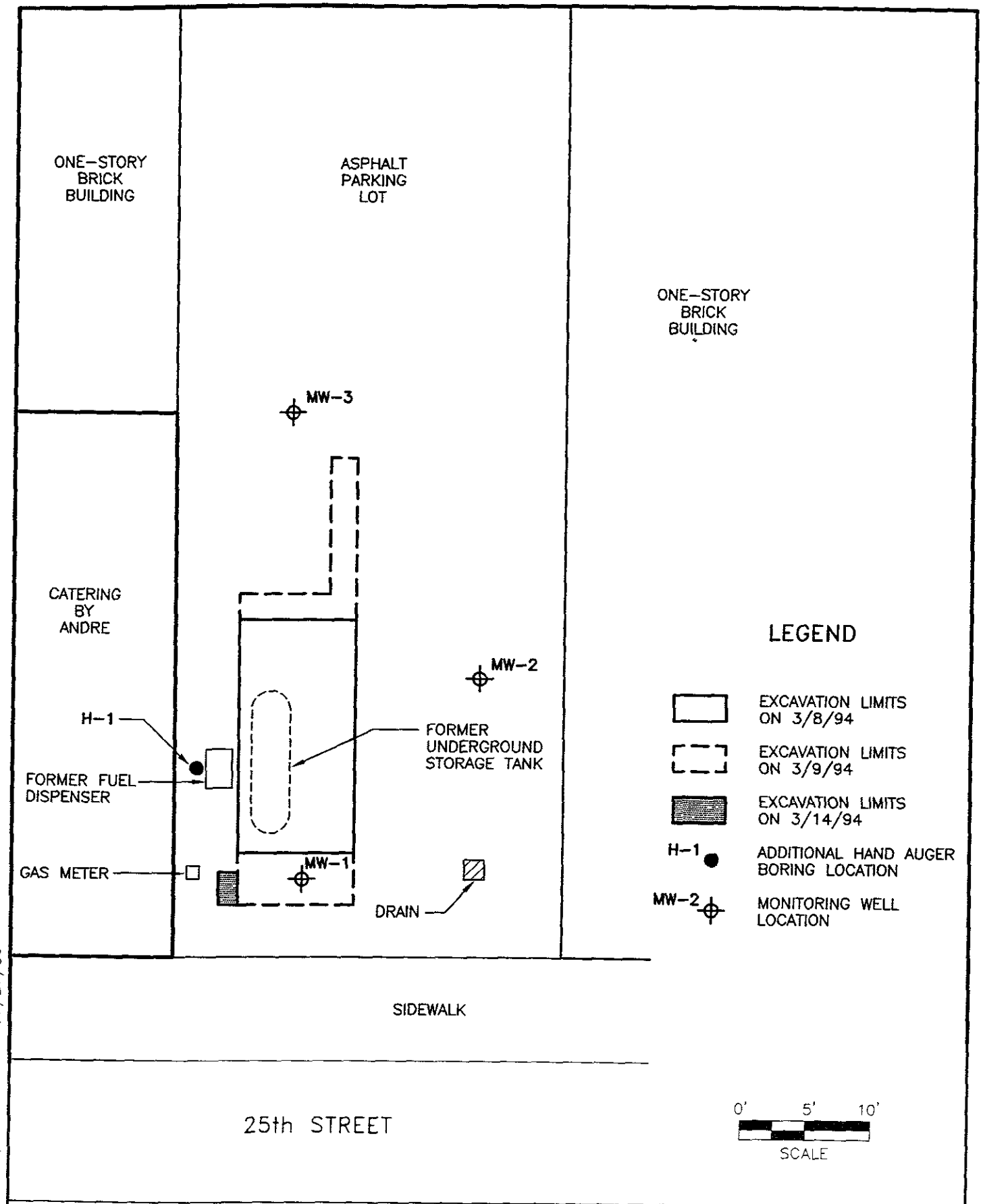
On June 1, 1999, groundwater samples were collected. The samples were analyzed for TPH-G, BTEX, MTBE, and analysis for TPH-D was added. Results for MW-1 were 8,200 ug/l, 263 ug/l, 97.5 ug/l, 268 ug/l, 840 ug/l, 450 ug/l, and 1,070 ug/l, respectively. Results for MW-2 were 300 ug/l, 12.5 ug/l, 1.11 ug/l, 0.936 ug/l, 0.508 ug/l, 8.25 ug/l, and 273 ug/l, respectively. Results for MW-3 were below the detection limits for all contaminants.

Also, on June 1, 1999, one soil boring, H-1, was advanced with a hand auger. Soil samples were collected at 3, 5.5, and 10 ft. below ground surface (bgs). Also, one grab groundwater sample was collected. The samples were analyzed for TPH-G, TPH-D, BTEX, and MTBE. None of these constituents were found in the 3 ft. soil sample. Also, benzene, toluene, and MTBE, were not found in any of the soil samples. TPH-G was found in soil at 29 mg/kg and 226 mg/kg at 5.5, and 10 ft. bgs, respectively. Ethylbenzene was found in soil at 0.08 mg/kg and 2.7 mg/kg at 5.5 and 10 ft. bgs, respectively. Xylene was found in soil at 0.3 mg/kg and 9.8 mg/kg at 5.5 and 10 ft. bgs, respectively. TPH-D was found in soil samples at all depths. These concentrations were 5, 72, and 18.6 mg/kg, at 3, 5.5 and 10 ft. bgs, respectively. The groundwater sample had TPH-G at 65,800 ug/L and TPH-D at 25,200 ug/L. The BTEX concentrations found in groundwater were 964, 210, 328, and 12,100 ug/L, respectively. MTBE was not found in the groundwater sample. When the groundwater concentrations for H-1 were compared to those in the Oakland Tier 2 Site-Specific Target Levels (SSTLs) for Merritt Sands for carcinogenic risk for commercial/industrial inhalation of indoor air vapors, the groundwater concentrations were lower. The H-1 groundwater concentrations for Benzene was 964 ug/L versus the SSTL of 2.2E+04 ug/L. (The other contaminants did not have SSTL values.) Therefore, no significant risk is posed to human health or the environment.

The groundwater samples collected on August 18, 1999 were analyzed with method 8260 which determined that the MTBE concentrations were nondetectable (ND). Therefore, the MTBE concentrations found in previous sampling events were likely false positives.

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 hydrocarbon concentrations appear to be stable,
- 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



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EARTH TECH

FIGURE 3

ADDITIONAL BORING LOCATION MAP

434 25th STREET
OAKLAND, CALIFORNIA

JULY 1999

35267

Sequoia Analytical

1455 McDowell Blvd. North, Ste. D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342

Sequoia San Carlos	Project:	Wayne Stevenson	Sampled: 6/1/99
1551 Industial Blvd.	Project Number:	L906043	Received: 6/2/99
San Carlos, CA 94070	Project Manager:	Wayne Stevenson	Reported: 7/2/99

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
HA-1-3/L906043-05			**P906216-05**				**Soil**	
Gasoline	9060367	6/11/99	6/11/99		400	ND	ug/kg	
Benzene	"	"	"		2.00	ND	"	
Toluene	"	"	"		2.00	ND	"	
Ethylbenzene	"	"	"		2.00	ND	"	
Xylenes (total)	"	"	"		4.00	ND	"	
Methyl tert-butyl ether	"	"	"		10.0	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*102*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*74.0*	"	
HA-1-5.5/L906043-06			**P906216-06**				**Soil**	
Gasoline	9060367	6/11/99	6/11/99		2000	**29200**	ug/kg	
Benzene	"	"	"		10.0	ND	"	
Toluene	"	"	"		10.0	ND	"	
Ethylbenzene	"	"	"		10.0	**82.7**	"	
Xylenes (total)	"	"	"		20.0	**329**	"	
Methyl tert-butyl ether	"	"	"		50.0	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*99.3*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*122*	"	
HS-1-10/L906043-07			**P906216-07**				**Soil**	
Gasoline	9060208	6/11/99	6/11/99		10000	**226000**	ug/kg	1
Benzene	"	"	"		50.0	ND	"	
Toluene	"	"	"		50.0	ND	"	
Ethylbenzene	"	"	"		50.0	**2730**	"	
Xylenes (total)	"	"	"		100	**9760**	"	
Methyl tert-butyl ether	"	"	"		250	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*96.0*	%	
Surrogate 4-Bromofluorobenzene	"	"	"	*65.0-135*		*100*	"	

EARTH TECH

TEST BORING LOG

BOREHOLE NO.: H-1

WELL NO.: NA

PROJECT NAME: 434 25th Street; Oakland	PROJECT NO.: 35267.01
CLIENT: Andre Mercier	DRILLING CONTRACTOR: Earth Tech, Inc.
DRILLING EQUIPMENT: Hand Auger	DRILLER: Richard Burzinski
SAMPLING METHOD: Slide Hammer w/SS liner	TOTAL DEPTH: 13.50' BGS
START DATE: 6/1/99	COMPLETION DATE: 6/1/99
LOGGED BY: R. Burzinski	APPROVED BY: RAB - RG#5674
LOCATION: 434 25th Street; Oakland	SURFACE ELEVATION:

DEPTH	RECOVERY / RQD	BLOW COUNT	SAMPLE NO.	MODE	SOIL CLASS / GRAPHIC LOG	DESCRIPTION	PID READING (PPM)	REMARKS
						0.0'-0.25' ASPHALT		Advance borehole with 3" diameter hand auger. Collected soil sample (HS) with slide hammer in 6" long stainless steel liner.
						0.25'-0.7' BASEROCK: SANDY GRAVEL (GW): brown (7.5YR4/3).		
						0.7'-3.0' CLAY (CH): very dark brown (10YR2/2); moist; firm; high plasticity.		
			HS-1-3'			3.0'-4.0' LEAN CLAY (CL): very dark grayish brown (10YR3/2); moist; firm; high plasticity; trace sand.	4	HS @ 3'.
5						4.0'-7.0' SANDY CLAY (CL): dark grayish brown (10YR4/3); slightly moist; stiff; medium plasticity. Discolored dark greenish gray (10GY3/1) with hydrocarbon odor @ 5.5'. Color change to brown (7.5YR4/2) @ 6.5'.		
			HS-1-5.5'				16	HS @ 5.5'.
						7.0'-12.0' FINE SAND (SP): brown (7.5YR4/2); moist; loose; minor clay. Discolored to dark greenish gray (10Y4/1) with hydrocarbon odor @ 8'. Color change back to brown (7.5YR4/2) @ 8.5'. Color change to grayish brown (2.5Y5/2) @ 10'.		
10			HS-1-10'				144	HS @ 10'.
						12.0'-BOH GRAVELS WITH SAND (GW): grayish brown (2.5Y5/2); wet; loose. Sand is medium to coarse grained.		▽ First groundwater encountered at 13'; rose to 9.8'. Collected grab groundwater sample @ BOH. Backfilled hole with bentonite and hydrated in two foot lifts.
						BOH = 13.5'		
15								
20								

EAFB LOB ET 35267.GPJ 7/14/99

Sequoia Analytical

1551 Industrial Road
San Carlos, CA 94070-4111
(650) 232-9600
FAX (650) 232-9612

Earth Tech	Project:	1	Sampled: 6/1/99
695 River Oaks Parkway	Project Number:	434 25th St. Oakland	Received: 6/2/99
San Jose, CA 95134	Project Manager:	Richard Burzinski	Reported: 7/8/99

Sample Description: **HS-1-H2O**
Laboratory Sample Number: **L906043-04**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
			Sequoia Analytical - San Carlos					
Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT								1
Purgeable Hydrocarbons as Gasoline	9060089	6/15/99	6/15/99		10000	**65800**	ug/l	
Benzene	"	"	"		100	**964**	"	
Toluene	"	"	"		100	**210**	"	
Ethylbenzene	"	"	"		100	**328**	"	
Xylenes (total)	"	"	"		100	**12100**	"	
Methyl tert-butyl ether	"	"	"		1000	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*79.3*	*%*	

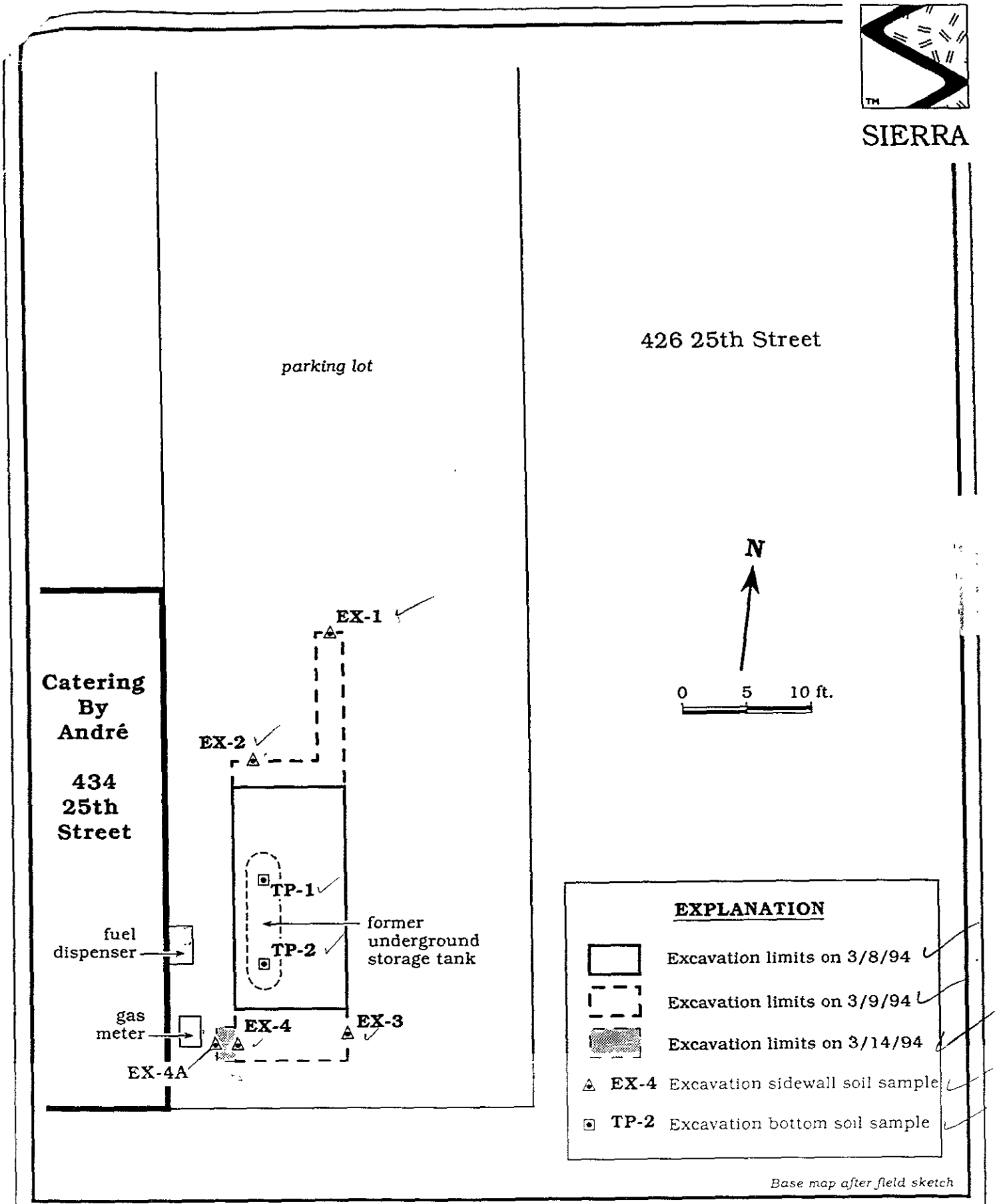
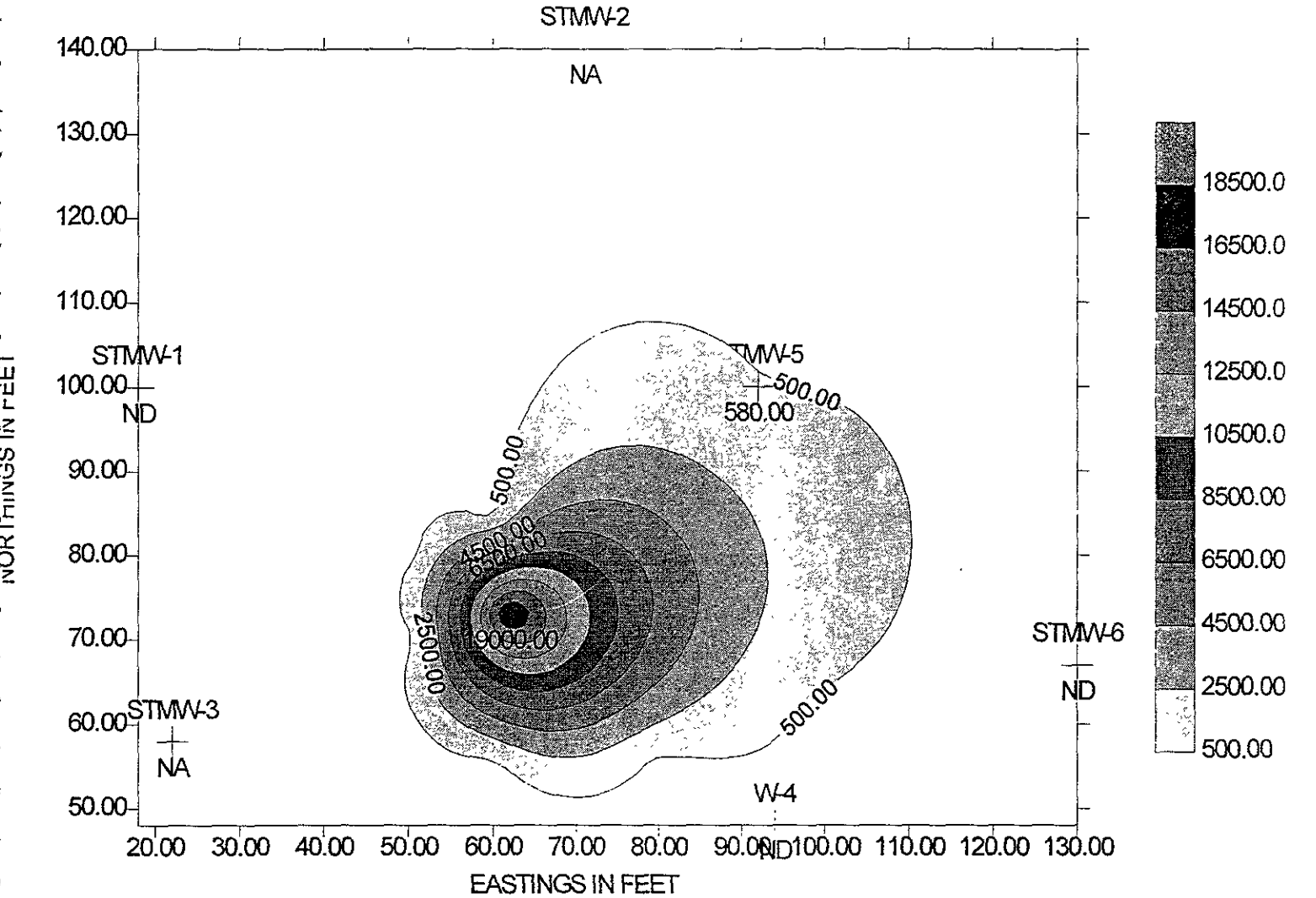


Figure 2. Site Base, Excavation Limit and Soil Sampling Location Map - 434 25th Street, Oakland, California

7-93-556-SI

TPHg PLUME AS OF 09/09/96



SOIL TECH ENGINEERING, INC.

TOTAL XYLENE PLUME AS OF 09/09/96

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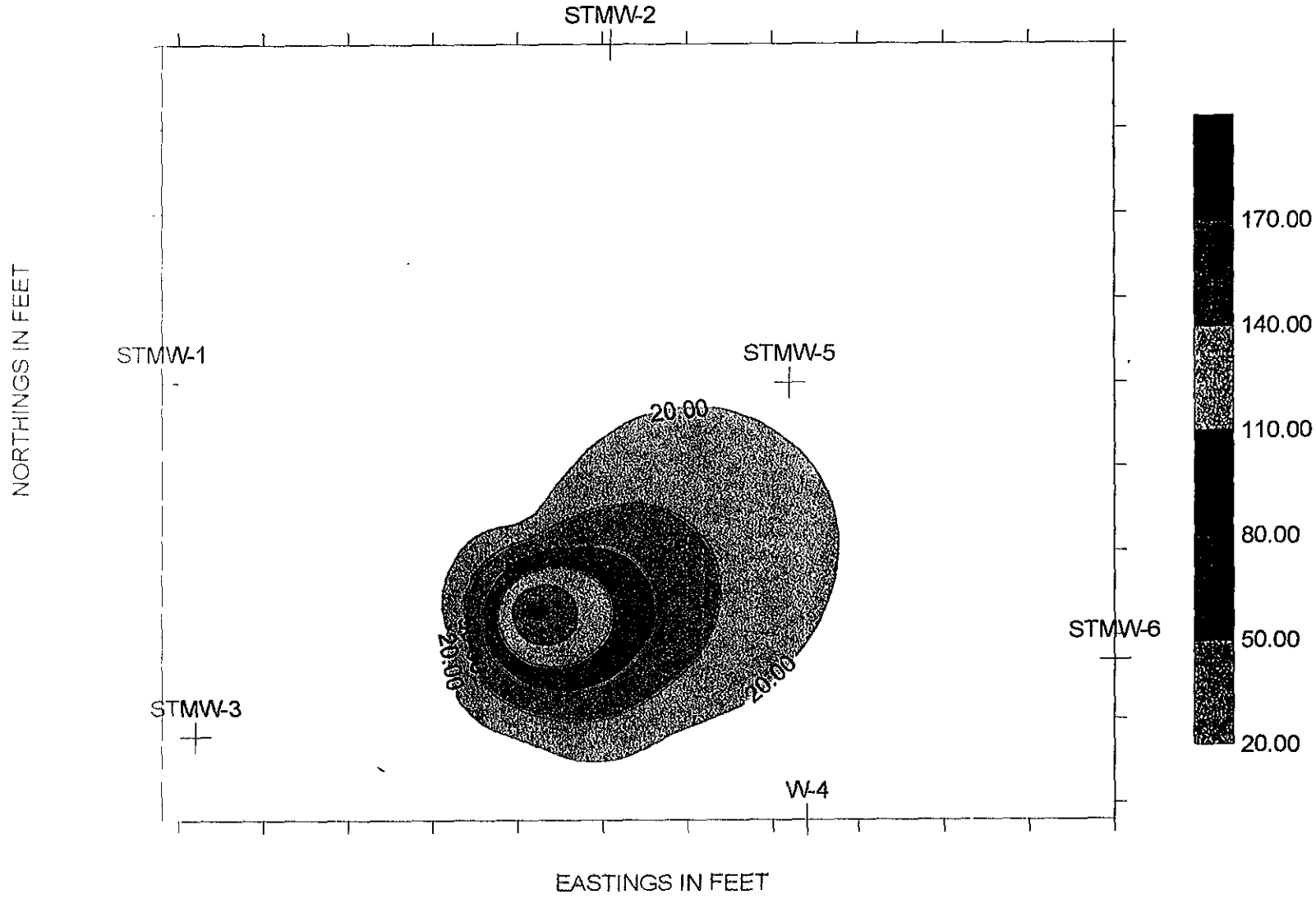

SOIL TECH ENGINEERING, INC.

ETHYL BENZENE PLUME AS OF 09/09/96

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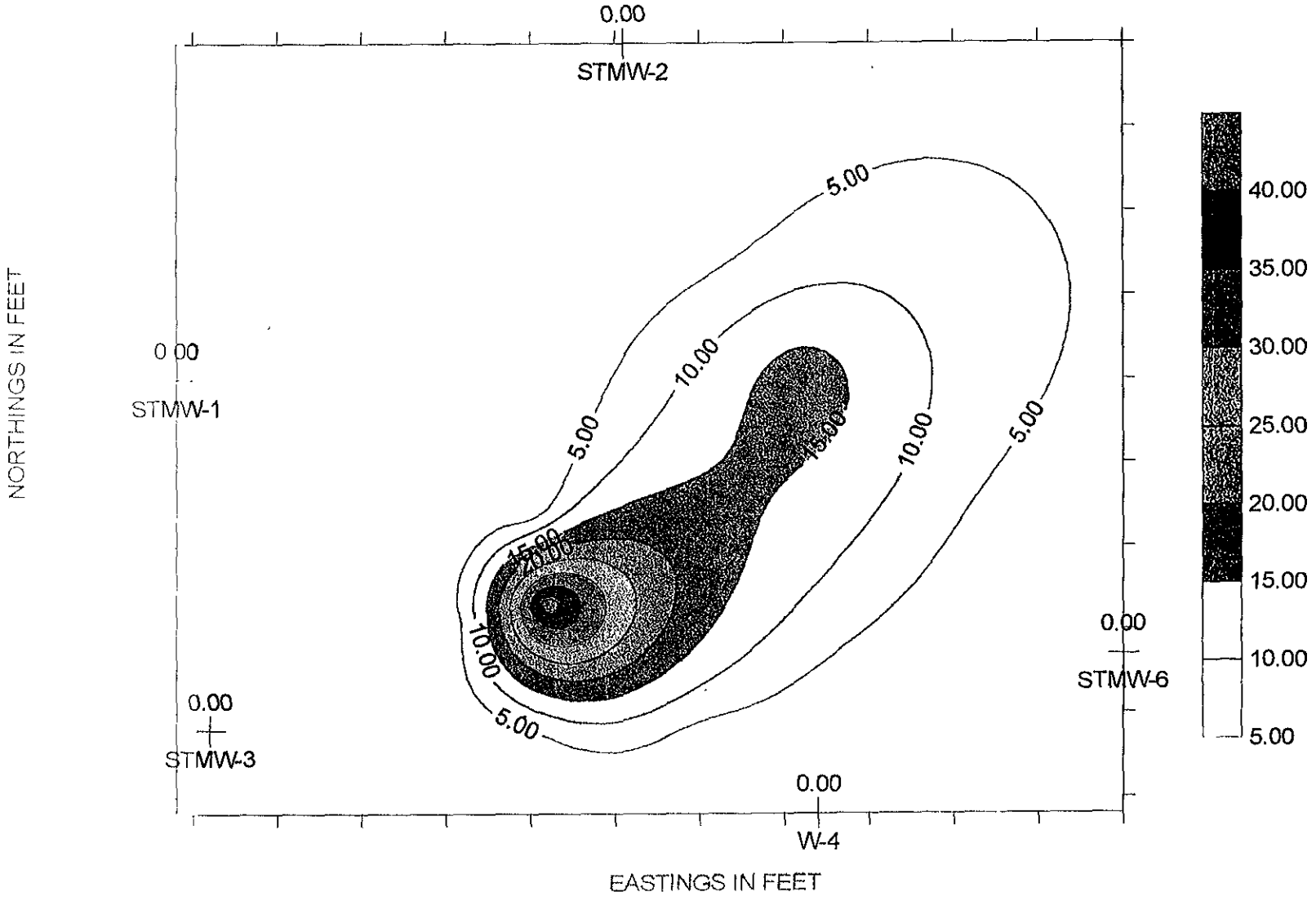

SOIL TECH ENGINEERING, INC.

TOLUENE PLUME AS OF 09/09/96

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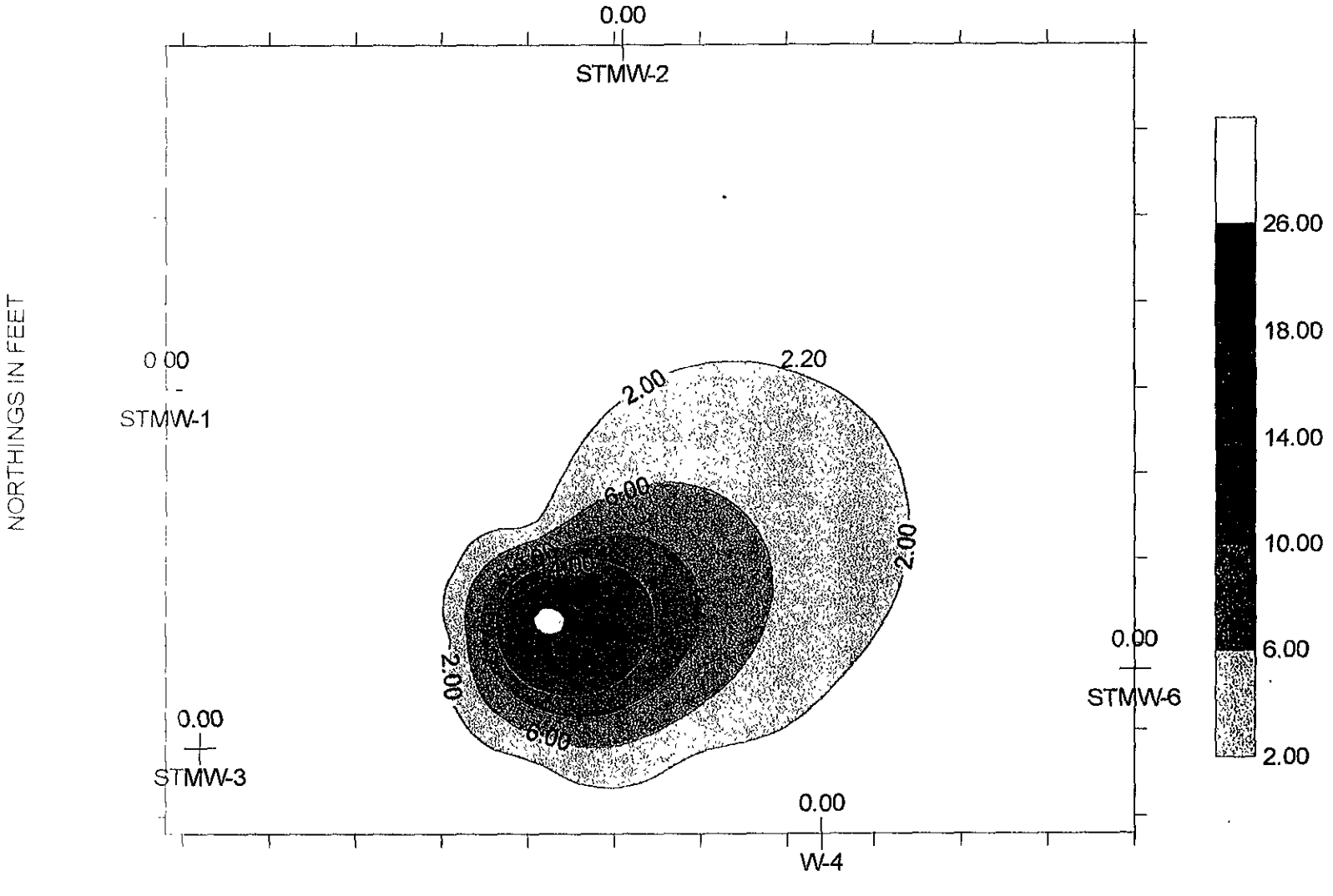


SOIL TECH ENGINEERING, INC.

FILE NO. 7-93-556-SI BENZENE PLUME AS OF 09/09/96

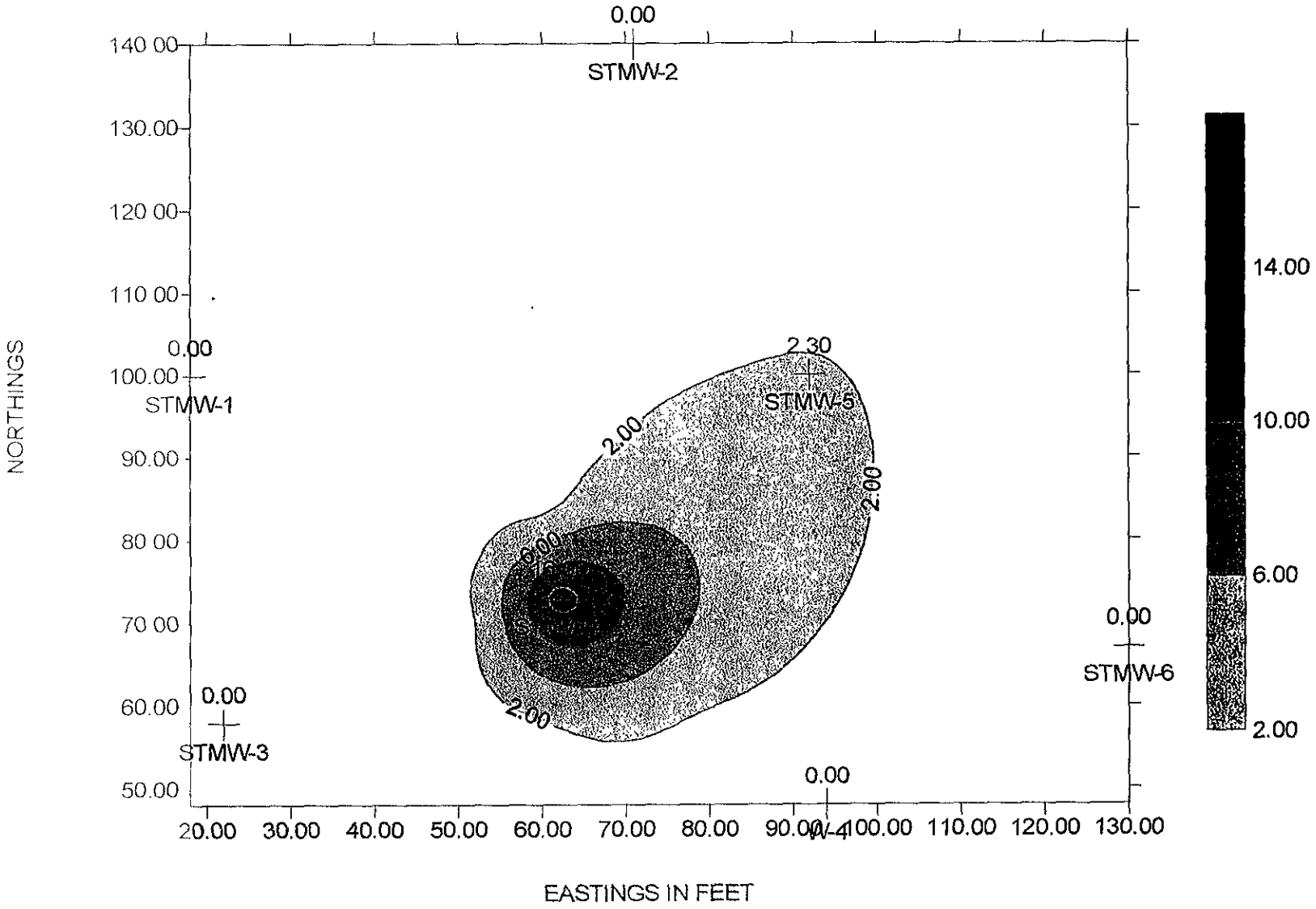


TABLE 2

SOIL SAMPLE ANALYTICAL RESULTS
FEBRUARY 18, 1997

Sample I.D.	Collection Depth	Collection Date	TPH-G (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)
B-1.2	2 fbas	2/18/97	(1.0)	(0.0050)	(0.0050)	(0.0050)	(0.0050)
B-1.6	6 fbas	2/18/97	**210**	(0.12)	(0.12)	**0.72**	**3.0**
B-1.10	10 fbas	2/18/97	**190**	**0.21**	**0.20**	**1.6**	**6.8**
B-2.8	8 fbas	2/18/97	(1.0)	(0.0050)	(0.0050)	(0.0050)	(0.0050)
B-2.10	10 fbas	2/18/97	(1.0)	(0.0050)	(0.0050)	(0.0050)	(0.0050)

Notes:

TPH-G Total petroleum hydrocarbons quantified as gasoline
mg/kg Milligrams per kilogram
fbas Feet below asphalt surface
( ) Not reported at or above the detection limit in parenthesis.

SIERRA

Table 3. Analytic Results for Ground Water - Catering By Andre, 434 25th Street, Oakland, California

Well ID	Date Sampled	Analytic Lab	Analytic Method	TPH(D)	B	T	E	X
				<----------ppb---------->				
TPW-1	3/8/~~88~~ 94	PAL	602/LUFT	45,000	<300	<300	930	7,570
(RA)	3/8/94	PAL	602	---	2.6	17	140	720

EXPLANATION:

TPH(D) = Total Petroleum Hydrocarbons as Diesel
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
LUFT = Leaking Underground Fuel Tanks
DHS = Department of Health Services
RA = Re-analyzed at lower detection limits
ppb = Parts per billion
--- = Not analyzed/Not applicable

ANALYTIC METHODS:

602 = EPA Method 602 for BTEX
LUFT = DHS LUFT Manual Method for TPH(D)

ANALYTIC LABORATORY:

PAL = Precision Analytical Laboratory, Inc., of Richmond, California

78903T GW

Oakland Tier 2 SSTLs for Merritt Sands

Medium	Exposure Pathway	Land Use	Type of Risk	Acenaph-thene	Acenaph-thylene	Acetone	Anthra-cene	Arsenic	Barium	Benz(a)-anthracene	Benzene
Surficial Soil [mg/kg]	Ingestion/ Dermal/ Inhalation	Residential	Carcinogenic					3.8E+00		3.7E+00	3.7E+01
			Hazard	3.9E+03	3.9E+03	5.8E+03	1.9E+04	2.2E+01	5.3E+03		9.9E+01
		Commercial/ Industrial	Carcinogenic					2.4E+01		1.6E+01	1.5E+02
			Hazard	4.0E+04	4.0E+04	5.4E+04	2.0E+05	3.8E+02	1.2E+05		9.2E+02
Subsurface Soil [mg/kg]	Inhalation of Outdoor Air Vapors	Residential	Carcinogenic							SAT	3.9E+00
			Hazard	SAT	SAT	1.2E+04	SAT				1.6E+01
		Commercial/ Industrial	Carcinogenic							SAT	1.5E+01
			Hazard	SAT	SAT	7.0E+04	SAT				9.1E+01
	Inhalation of Indoor Air Vapors	Residential	Carcinogenic							SAT	6.8E-01
			Hazard	SAT	SAT	1.8E+03	SAT				2.3E+00
		Commercial/ Industrial	Carcinogenic							SAT	1.1E+01
			Hazard	SAT	SAT	5.2E+04	SAT				6.5E+01
	Ingestion of Groundwater Impacted by Leachate	Residential	Carcinogenic					*2.1E+01*	*6.0E+02*	3.2E+01	*1.0E-02*
			Hazard	SAT	SAT	2.1E+00	SAT	*2.1E+01*	*6.0E+02*		*1.0E-02*
		Commercial/ Industrial	Carcinogenic					*2.1E+01*	*6.0E+02*	SAT	*1.0E-02*
			Hazard	SAT	SAT	1.4E+01	SAT	*2.1E+01*	*6.0E+02*		*1.0E-02*
Groundwater [mg/l]	Ingestion of Groundwater	Residential	Carcinogenic					*5.0E-02*	*1.0E+00*	5.6E-04	*1.0E-03*
			Hazard	9.4E-01	9.4E-01	1.6E+00	>Sol	*5.0E-02*	*1.0E+00*		*1.0E-03*
		Commercial/ Industrial	Carcinogenic					*5.0E-02*	*1.0E+00*	2.4E-03	*1.0E-03*
			Hazard	>Sol	>Sol	1.0E+01	>Sol	*5.0E-02*	*1.0E+00*		*1.0E-03*
	Inhalation of Indoor Air Vapors	Residential	Carcinogenic							>Sol	1.4E+00
			Hazard	>Sol	>Sol	2.0E+04	>Sol				4.5E+00
		Commercial/ Industrial	Carcinogenic							>Sol	2.2E+01
			Hazard	>Sol	>Sol	5.7E+05	>Sol				1.3E+02
	Inhalation of Outdoor Air Vapors	Residential	Carcinogenic							>Sol	1.8E+02
			Hazard	>Sol	>Sol	4.2E+05	>Sol				6.9E+02
		Commercial/ Industrial	Carcinogenic							>Sol	6.6E+02
			Hazard	>Sol	>Sol	>Sol	>Sol				>Sol
Water for Recreation [mg/l]	Ingestion/ Dermal	Residential	Carcinogenic					2.0E-02		1.6E-04	6.3E-02
			Hazard	1.1E+00	1.7E+00	4.2E+01	>Sol	1.2E-01	2.8E+01		1.8E-01

*Italicized concentrations based on California MCLs

SAT = SSTL exceeds saturated soil concentration of chemical

>SOL = SSTL exceeds solubility of chemical in water

BORING LOCATION 434 - 25TH ST. OAKLAND	APPROVED BY:	GROUND EL: 101.14'
DEPTH/ELEV.WATER:11.5'	DRILL CONTRACTOR: Gregg Drilling	TOTAL DEPTH: 15'
DRILL RIG: M-11	BORING DIA.: 8" OD	DATE DRILLED: 8/31/94	LOGGED BY: LAF

SOIL CLASS	DESCRIPTION	DEPTH	SAMPLE NO.	PR / RQD	REC.	MODE	REMARKS
GW	0.0-0.2' ASPHALT 0.2-0.8' SANDY GRAVEL (BASEROCK)	0				HA	Advanced boring with 8" O.D. Hollow stem augers (HA) @ 8:15 a.m.
CL	0.8-7' (?) LEAN CLAY WITH SAND: Dusky yellowish brown; moist; medium plasticity; firm to stiff; sand is fine to medium grained.	2	B-1	4 5 5	1.0 1.5	DR	2.0 - 3.5': Drive (DR) 2" ID Cal Split Spoon sampler (CS) with 140 lb. hammer with 30" drop. B-1: OVM = 0.5 ppm
	@4' Color change to dark yellow brown	4				HA	
		6	B-2 L-1	5 6 10	1.5 1.5	DR	5 - 6.5': CS B-2 OVM = 0.5 ppm L-1: 6 - 6.5'
CL	7-12' (?) SANDY CLAY: Moderate yellowish brown; slightly moist; stiff; low plasticity. Sand is fine grained, rarely medium grained.	8				HA	
	@10' Sample contains moderate hydrocarbon odor; color change to dusky yellow with pale olive staining/mottling.	10	B-3 L-2	10 12 20	1.5 1.5	DR	10 - 11.5': CS B-3: OVM = 3.8 ppm L-2: 11 - 11.5'
SC	12 (?) - 15' CLAYEY SAND: Moderate yellow brown; moist; low plasticity; sand is fine to medium grained, rarely course. Plastic fines - 30%.	12				HA	Initial H_2O @ ~ 14' After 5 minutes, H_2O rose to 11.5'
	TOTAL DEPTH 15'	14					~~Well Construction~~ 15 - 10': 2" ID slotted 0.010 Sch. 40 PVC with pointed end cap. 10 - 0': Blank 2" ID Sch 40 PVC with locking cap. Sand Seal 15 - 8' #2/16 sand 8 - 6' Bentonite Pellets (Hydrated 6 - 0 Neat cement grout with traffic rated Christy Box
		16					
		18					
		20					

RUST ENVIRONMENT & INFRASTRUCTURE Walnut Creek, California	Catering By Andre 434 - 25th Street Oakland, California	EXPLORATION BORING LOG	BORING NO
		PROJECT NO 89843.100	SHEET NO 1 of 1	MW-1

BORING LOCATION: 434 - 25TH ST. OAKLAND	APPROVED BY:	GROUND EL: 101.20'
DEPTH/ELEV.WATER:-12'	DRILL CONTRACTOR: Gregg Drilling	TOTAL DEPTH: 15'
DRILL RIG: M-11	BORING DIA.: 8" OD	DATE DRILLED: 8/31/94	LOGGED BY: LAF

SOIL CLASS	DESCRIPTION	DEPTH	SAMPLE NO.	PR / ROD	REC.	MODE	REMARKS
GW	0.0-0.4' ASPHALT 0.4-0.8' SANDY GRAVEL (BASEROCK)	0				HA	Advanced boring with 8" O.D. Hollow stem augers (HA) @ 9:30 a.m.
CL/CH	0.8-5.0' LEAN CLAY /FAT CLAY: Grayish black; slightly moist; medium plasticity; firm; trace sand; very fine grained.	2	No sample		0.2 / 1.5	DR	2.0 - 3.5': Drive (DR) 2" ID Cal Split Spoon sampler (CS) with140 lb. hammer with 30" drop.
CL/SC	5.0-10' SANDY CLAY/CLAYEY SAND: Moderate yellowish brown; moist to slightly moist; low plasticity; firm to stiff. Sand varies in content, predominently fine grained.	4				HA	
		6	B-1 L-3	8 8 9	1.2 / 1.5	DR	5 - 6.5': CS B-1: OVM = 2.0 ppm L-3: 6.0 - 6.5'
		8				HA	
SC	10 - 15' CLAYEY SAND: Dusky yellow; slightly moist; slight plasticity; medium dense. Sand is predominently fine with some course grained. Plastic fines approximately 15%.	10	B-2 L-4		1.0 / 1.5	DR	10 - 11.5': CS B-2: OVM = 2 ppm L-4: 10.5 - 11.0'
		12				HA	Initial H_2O @ - 14.5' Pulled Augers out: H_2O @ 12'. Boring terminated @10 a.m.
	TOTAL DEPTH 15'	14					
		16					Well Construction 15 - 10': 2" ID slotted 0.010 Sch. 40 PVC with pointed (threaded) end cap. 10 - 0': Blank 2" ID Sch 40 PVC with locking cap. Sand & Seal 15 - 8': #2/16 sand 8 - 6' Bentonite Pellets (Hydrated) 6 - 0' Neat cement grout with traffic rated Christy Box
		18					
		20					

RUST ENVIRONMENT & INFRASTRUCTURE Walnut Creek, California	Catering By Andre 434 - 25th Street Oakland, California	EXPLORATION BORING LOG	BORING NO
		PROJECT NO 89843 100	SHEET NO 1 of 1	MW-2

BORING LOCATION: 434 - 25TH ST, OAKLAND	APPROVED BY:	GROUND EL: 101.58'
DEPTH/ELEV.WATER:-12'	DRILL CONTRACTOR: Gregg Drilling	TOTAL DEPTH: 15'
DRILL RIG: M-11	BORING DIA.: 8" OD	DATE DRILLED: 8/31/94	LOGGED BY: LAF

SOIL CLASS	DESCRIPTION	DEPTH	SAMPLE NO.	PR / RQD	REC.	MODE	REMARKS
	0.0-0.4' ASPHALT	0				HA	Advanced boring with 8" O.D. Hollow stem augers (HA) @ 10:25 a.m.
GW	0.4-1.0' SANDY GRAVEL (BASEROCK) with minor concrete debris						
CL/CH	1.0 - 2.0' LEAN/FAT CLAY: Grayish black; moist to slightly moist; medium plasticity; firm.	2	B-1	4 3 5	1.0 1.5	DR	2.0 - 3.5': Drive (DR) 2" ID Cal Split Spoon sampler (CS) with 140 lb. hammer with 30" drop.
CL	2.0 - 5.0' LEAN CLAY: Moderate olive brown; damp; stiff; low plasticity. Trace to some very fine sand with occasional course grained.		No sample				B-1: OVM = 1.0 ppm
		4				HA	
SM/SC	5 - 8' (?): SILTY/SANDY/CLAYEY SAND: Moderate yellow brown; slightly damp; medium dense. Sand is very fine grained. Some to trace plastic fines.	6	B-2 L-5	6 10 14	1.5 1.5	DR	5 - 6.5': CS B-2 OVM = 1.0 ppm L-5: 6 - 6.5'
		8				HA	
SM	8 (?) - 15': SILTY SAND: Moderate yellow brown; moist to very moist; medium dense; little to no plastic films.	10	B-3 L-6	6 8 12	1.2 1.5	DR	10 - 11.5': CS B-3: OVM = 2.4 ppm L-6: 11.0 - 11.5'
	@10' Sample: Moist to very moist	12				HA	
	H_2O had Hydrocarbon odor.	14					Initial H_2O @ - 14' Terminated boring @ 10:55 a.m.
	TOTAL DEPTH 15'	16					Well Construction 15 - 10': 2" ID slotted 0.010 Sch. 40 PVC with pointed end cap. 10 - 0': Blank 2" ID Sch 40 PVC with locking cap Sand & Seal 15 - 8' 2/16 sand 8 - 6', Bentonite Pellets (Hydrated, 6 - 0', Neat cement grout with traffic rated Christy Box
		18					
		20					

RUST ENVIRONMENT & INFRASTRUCTURE Walnut Creek, California	Catering By Andre 434 - 25th Street Oakland, California	EXPLORATION BORING LOG		BORING NO
		PROJECT NO 89843 100	SHEET NO 1 of 1	MW-3

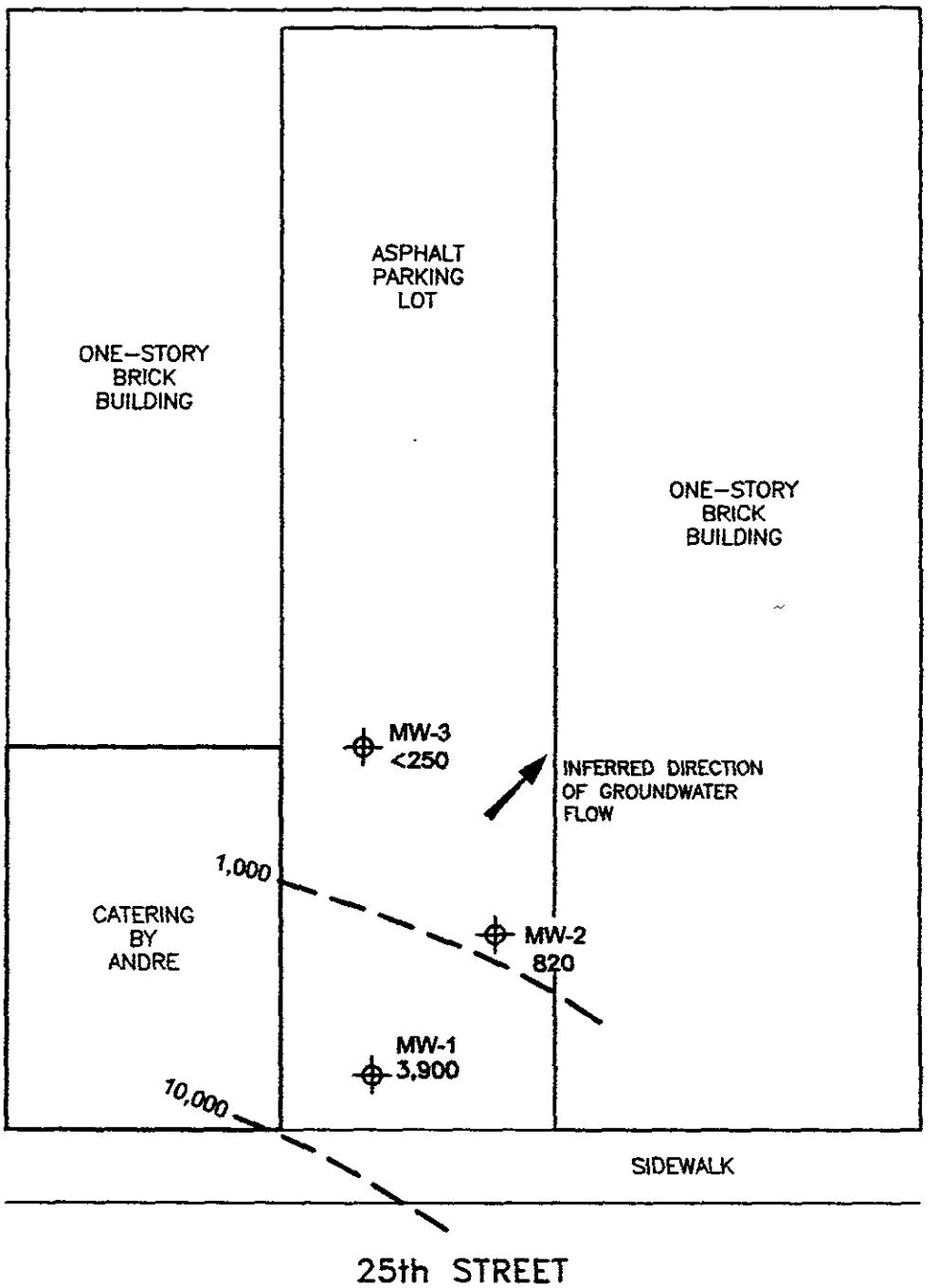
TABLE 1

CATERING BY ANDRE
MONITORING WELL INSTALLATION
SOIL SAMPLE RESULTS

MONITORING WELL NUMBER	DATE SAMPLED	SAMPLE NUMBER	DEPTH (FT)	TPH-D (mg/kg)	TPH-G (mg/kg)	B (µg/kg)	T (µg/kg)	E (µg/kg)	X (µg/kg)	OVM (ppm)
MW-1	8/31/94	B-1	2.0							0.0
		B-2	5.5							0.5
		L-1	6.0	N.T.	N.T.	N.T.	N.T.	N.T.	N.T.	?
		B-3	10.5							3.8
		L-2	11.0	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	?
MW-2	8/31/94	B-1	5.5							2.0
		L-3	6.0	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	?
		B-2	10.0							2.0
		L-4	10.5	N.T.	N.T.	N.T.	N.T.	N.T.	N.T.	?
MW-3	8/31/94	B-1	2.0							1.0
		B-2	5.5							1.0
		L-5	6.0	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	?
		B-3	10.0							2.4
		L-6	11.0	N.T.	N.T.	N.T.	N.T.	N.T.	N.T.	?

NOTES:

N.D.	Not Detected at Method Detection Limits	B	Benzene
N.T.	Not Tested	T	Toluene
TPH-G	Total Petroleum Hydrocarbons as Gasoline	E	Ethylbenzene
TPH-D	Total Petroleum Hydrocarbons as Diesel	X	Xylenes



LEGEND

—10,000— TPHG CONCENTRATION CONTOURS (µg/L)

MW-2 MONITORING WELL LOCATION

SCALE 0' 10' 20' 40'

E A R T H T E C H

TPHG CONCENTRATIONS 8/8/99
CATERING BY ANDRE

434 25th STREET
OAKLAND, CALIFORNIA

JANUARY 2000

35267

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Table 1. Analytic Results for Soil Excavation - Catering By Andre, 434 25th Street, Oakland, California

Sample ID	Depth (ft)	Date Sampled	Analytic Lab	Analytic Method	TPPH(G)	TPH(D)	B	T	E	X
					<----------ppm---------->					
TP-1	10.5	3/8/94	PAL	LUFT/8020	---	240	<0.015	0.095	<0.015	0.0140
TP-2	10.0	3/8/94	PAL	LUFT/8020	---	3.8	<0.015	<0.015	0.940	4.740
EX-1	10.5	3/9/94	PAL	8015/LUFT/8020	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005
EX-2	10.5	3/9/94	PAL	8015/LUFT/8020	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005
EX-3	8.0	3/9/94	PAL	8015/LUFT/8020	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005
EX-4	10.0	3/9/94	PAL	8015/LUFT/8020	58	1.8	<0.03	0.030	0.110	0.230
EX-4A	10.0	3/14/94	PAL	8015/LUFT/8020	290	6.0	<0.030	0.050	<0.030	0.280

EXPLANATION:

TPPH(G) = Total Purgeable Petroleum Hydrocarbons as Gasoline
TPH(D) = Total Petroleum Hydrocarbons as Diesel
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
LUFT = Leaking Underground Fuel Tanks
DHS = Department of Health Services
ppm = Parts per million
--- = Not analyzed/not applicable

ANALYTIC METHODS:

8015 = EPA Method 8015/5030 for TPPH(G)
LUFT = DHS LUFT Manual Method for TPH(D)
8020 = EPA Method 8020 for BTEX

ANALYTIC LABORATORY:

PAL = Precision Analytical Laboratory, Inc., of Richmond, California

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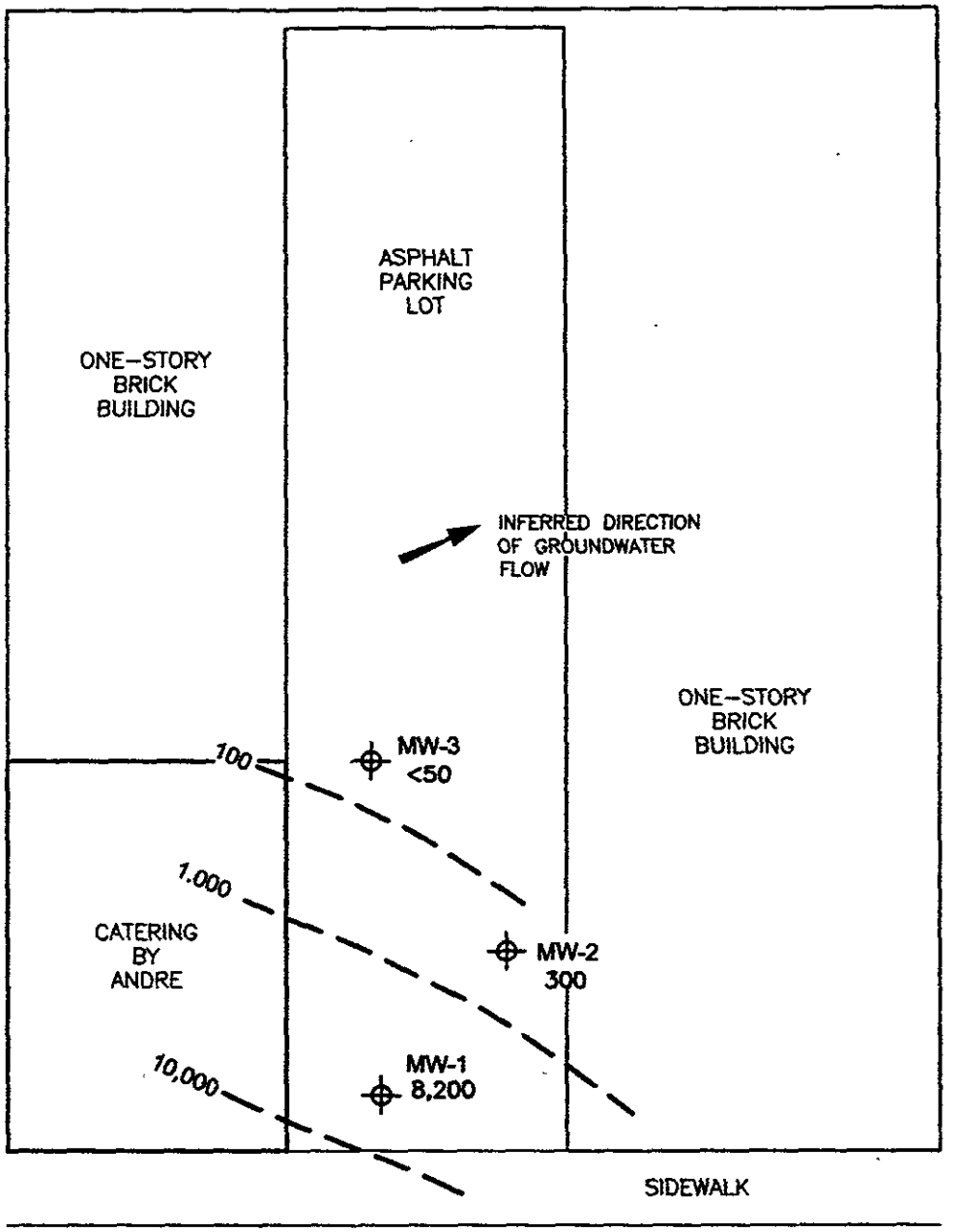

LEGEND

— —10,000— — TPHG CONCENTRATION CONTOURS (µg/L)

MW-2 MONITORING WELL LOCATION

SCALE 0' 10' 20' 40'

EARTH TECH

TPHG CONCENTRATIONS 6/1/99
CATERING BY ANDRE

434 25th STREET
OAKLAND, CALIFORNIA

JANUARY 2000

35267

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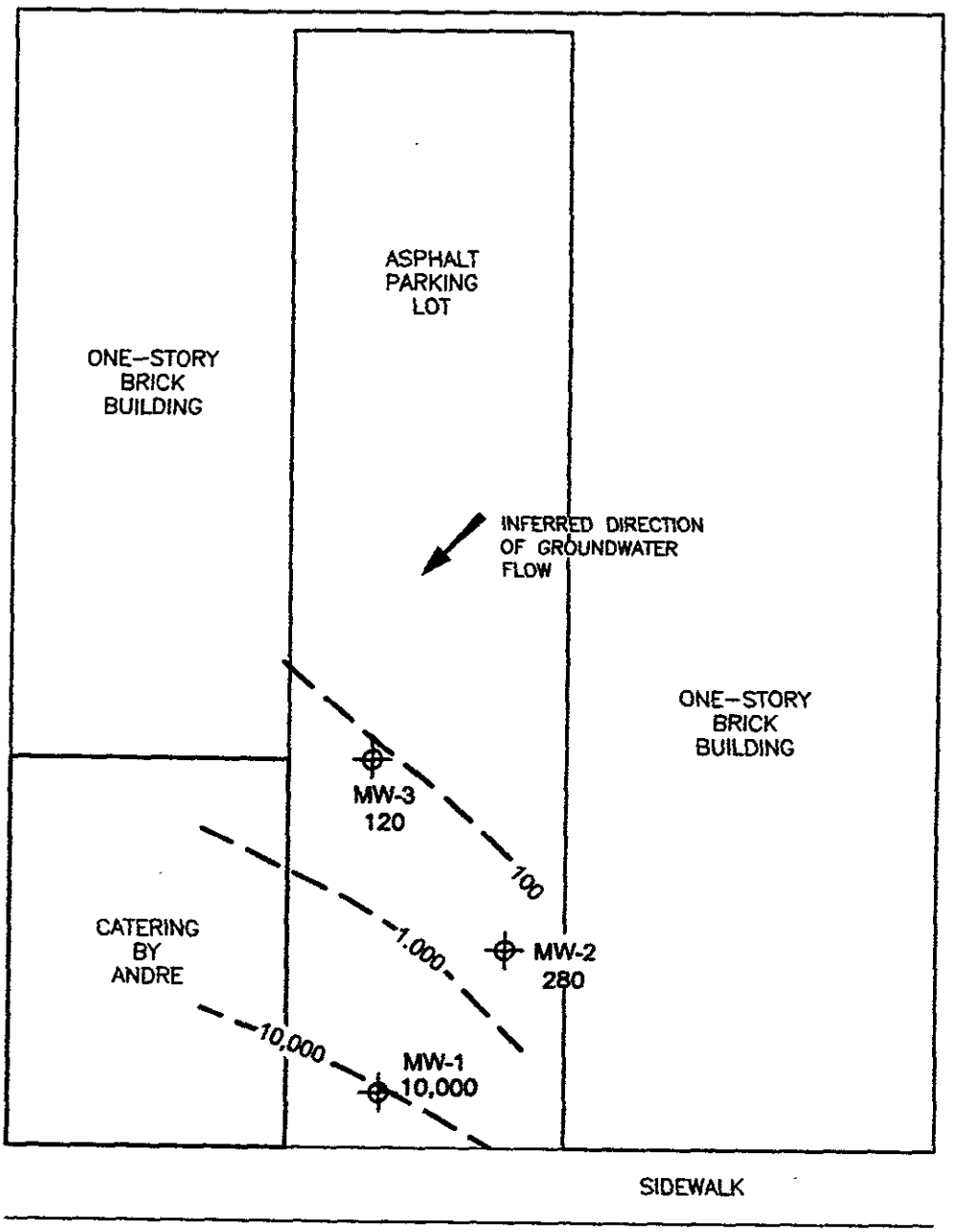

LEGEND

—10,000— TPHG CONCENTRATION CONTOURS (µg/L)

MW-2 MONITORING WELL LOCATION

SCALE 0' 10' 20' 40'

EARTH TECH

TPHG CONCENTRATIONS 7/31/98
CATERING BY ANDRE

434 25th STREET
OAKLAND, CALIFORNIA

JANUARY 2000

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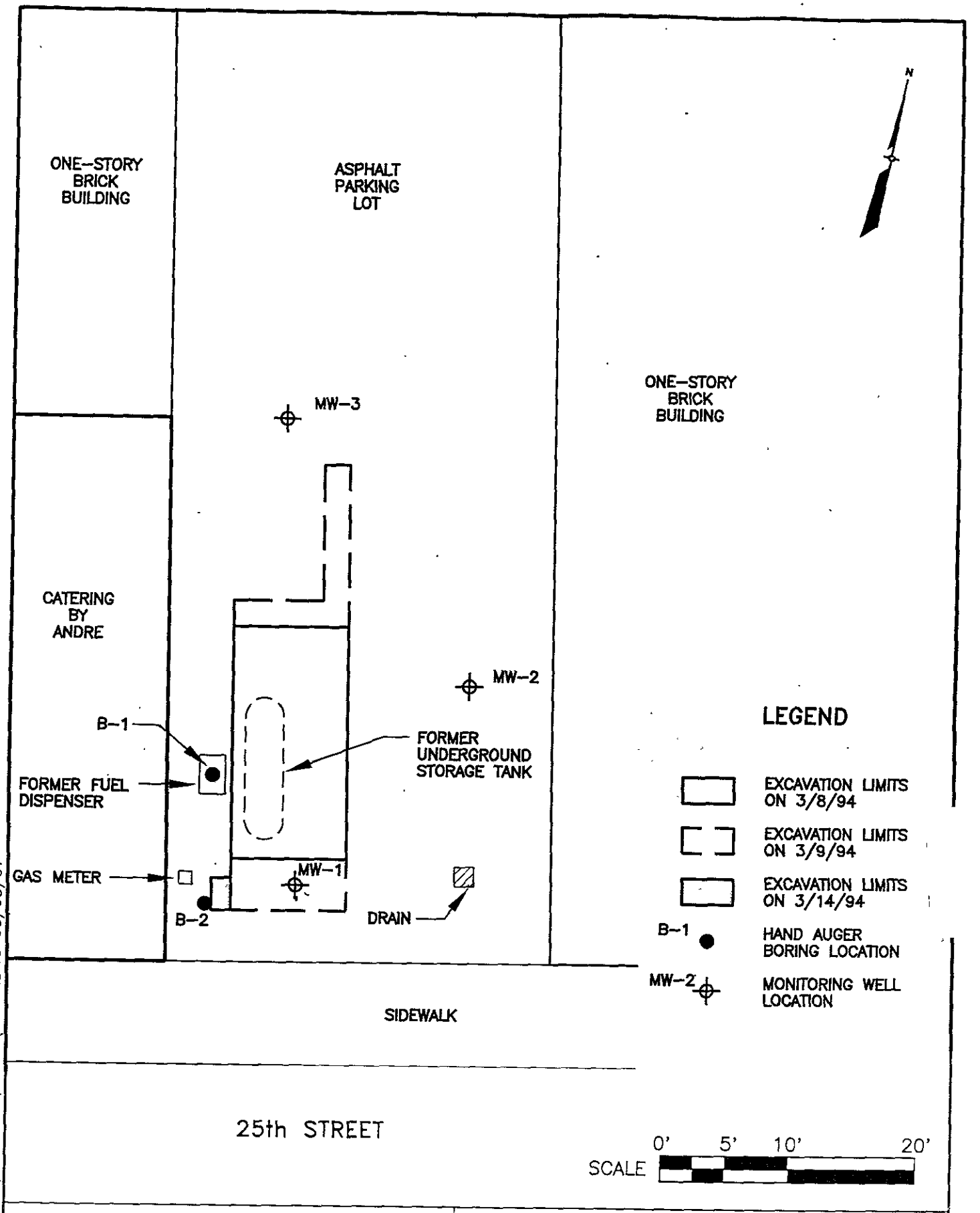

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Rust Environment & Infrastructure Inc.

FIGURE 3
BORING LOCATION MAP
CATERING BY ANDRE
434 25th STREET
OAKLAND, CALIFORNIA

APRIL 1997

69456

TABLE 1. GROUNDWATER ANALYTICAL RESULTS

September 8, 1994

Chromatogram Pattern	Sample I.D.	TPH-G (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE
NS	MW-1	7,700	21	5.3	100	500	NT
NS	MW-2	2,500	99	22	40	180	NT
NS	MW-3	1,100	5.4	1.2	1.4	1.7	NT

February 18, 1997

Chromatogram Pattern	Sample I.D.	TPH-G (µg /L)	Benzene (µg /L)	Toluene (µg /L)	Ethylbenzene (µg /L)	Total Xylenes (µg /L)	MTBE
gas	MW-1	4,300	43	(5.0)	120	62	NT
gas & unidentified HC <C8	MW-2	300	9.2	1.2	(0.50)	(0.50)	NT
unidentified HC C6-C8	MW-3	56	0.8	(0.50)	(0.50)	(0.50)	NT

August 26, 1997

Chromatogram Pattern	Sample I.D.	TPH-G (µg /L)	Benzene (µg /L)	Toluene (µg /L)	Ethylbenzene (µg /L)	Total Xylenes (µg /L)	MTBE
gas	MW-1	4,100	85	12	28	59	53
gas	MW-2	1,100	31	(1.2)	(1.2)	(1.2)	30
gas & unidentified HC (<C8)	MW-3	110	2.8	(0.50)	(0.50)	(0.50)	11

January 23, 1998

Chromatogram Pattern	Sample I.D.	TPH-G (µg /L)	Benzene (µg /L)	Toluene (µg /L)	Ethylbenzene (µg /L)	Total Xylenes (µg /L)	MTBE
gas	MW-1	6,100	29	94	210	390	32
gas	MW-2	360	12	1 6	1.9	(0.50)	16
gas & unidentufied HC at C6-C8	MW-3	68	1.1	(0 50)	(0.50)	(0 50)	6 3

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Table 2. Analytic Results for Soil Stockpile Sampling - Catering By Andre, 434 25th Street, Oakland, California

Sample ID	Date Sampled	Analytic Lab	Analytic Method	TPPH(G)	TPH(D)	B	T	E	X
				<----------ppm---------->					
SP-1 - SP-4	3/9/94	PAL	8015/LUFT/8020	2.8 ✓	5.1 ✓	<0.005 ✓	<0.005 ✓	<0.005 ✓	<0.005 ✓
SP2-1A - SP2-4A	3/14/94	PAL	8015/LUFT/8020	84	14	<0.015	0.019	<0.015	0.019

EXPLANATION.

TPPH(G) = Total Purgeable Petroleum Hydrocarbons as Gasoline
TPH(D) = Total Petroleum Hydrocarbons as Diesel
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
LUFT = Leaking Underground Fuel Tanks
DHS = Department of Health Services
ppm = Parts per million
--- = Not analyzed/not applicable

ANALYTIC METHODS:

8015 = EPA Method 8015/5030 for TPPH(G)
LUFT = DHS LUFT Manual Method for TPH(D)
8020 = EPA Method 8020 for BTEX

ANALYTIC LABORATORY:

PAL = Precision Analytical Laboratory, Inc., of Richmond, California

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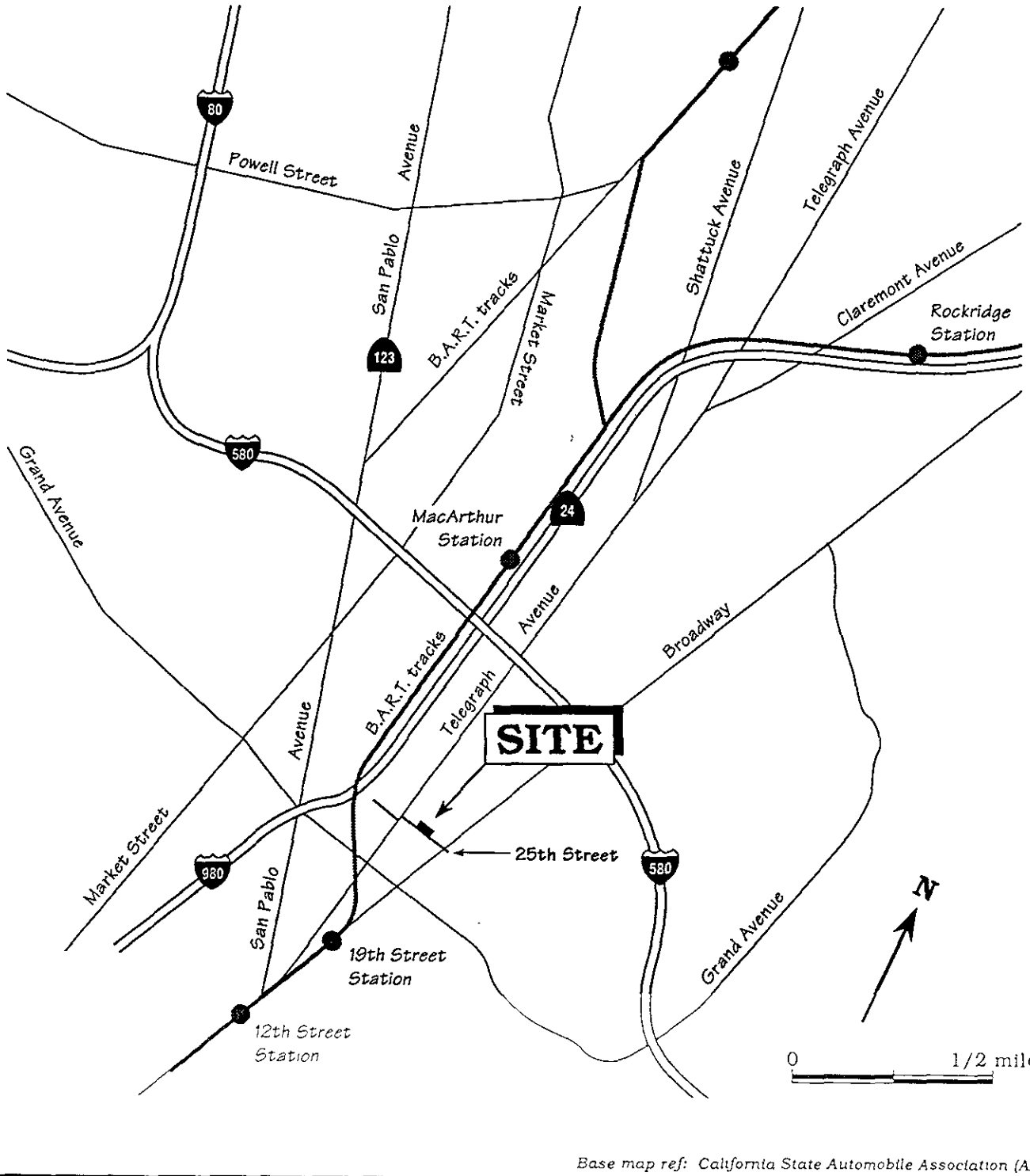
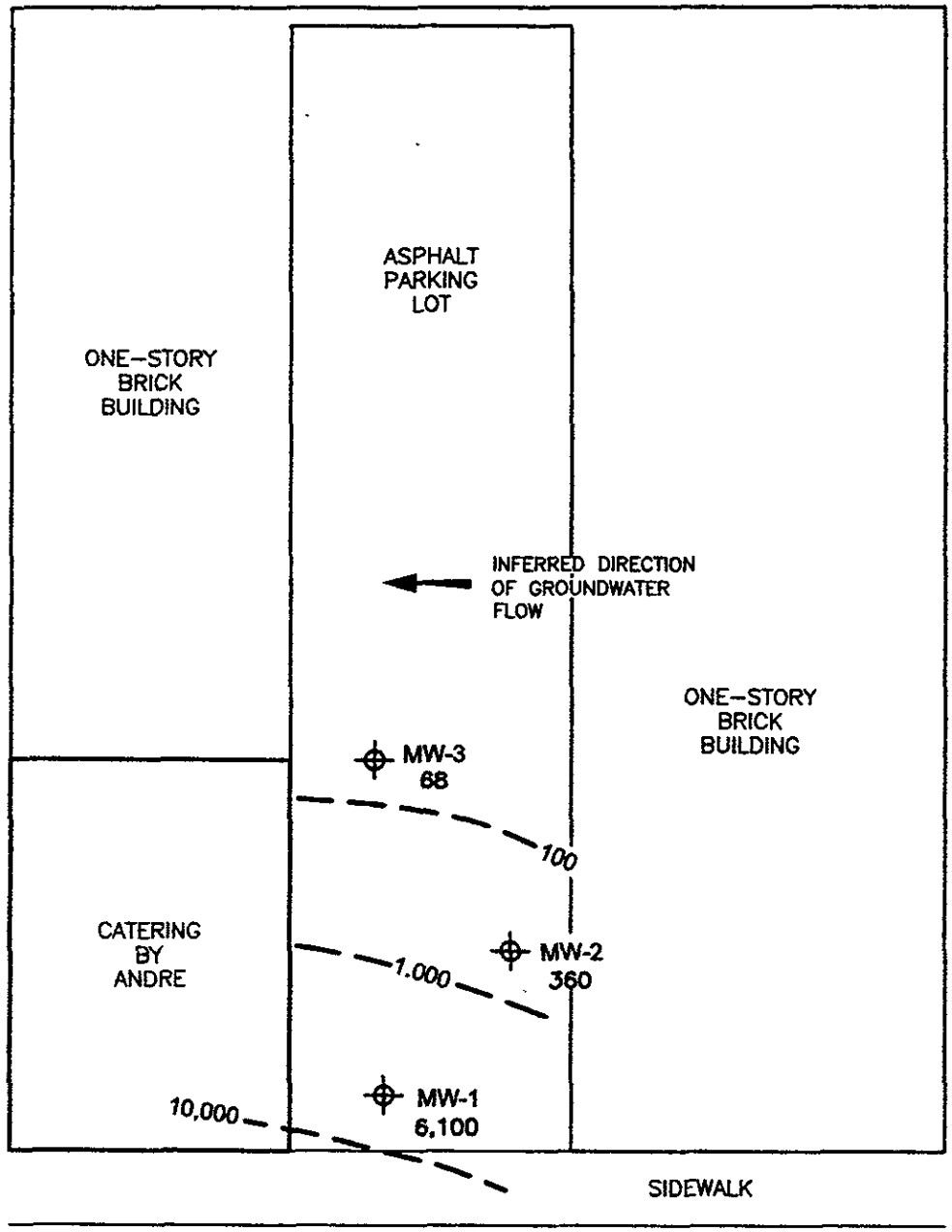


Figure 1. Site Location Map – Catering By André – 434 25th Street, Oakland, California



LEGEND

—10,000— TPHG CONCENTRATION CONTOURS (µg/L)

MW-2 MONITORING WELL LOCATION

SCALE 0' 10' 20' 40'

E A R T H T E C H

TPHG CONCENTRATIONS 1/23/98
CATERING BY ANDRE

434 25th STREET
OAKLAND, CALIFORNIA

JANUARY 2000

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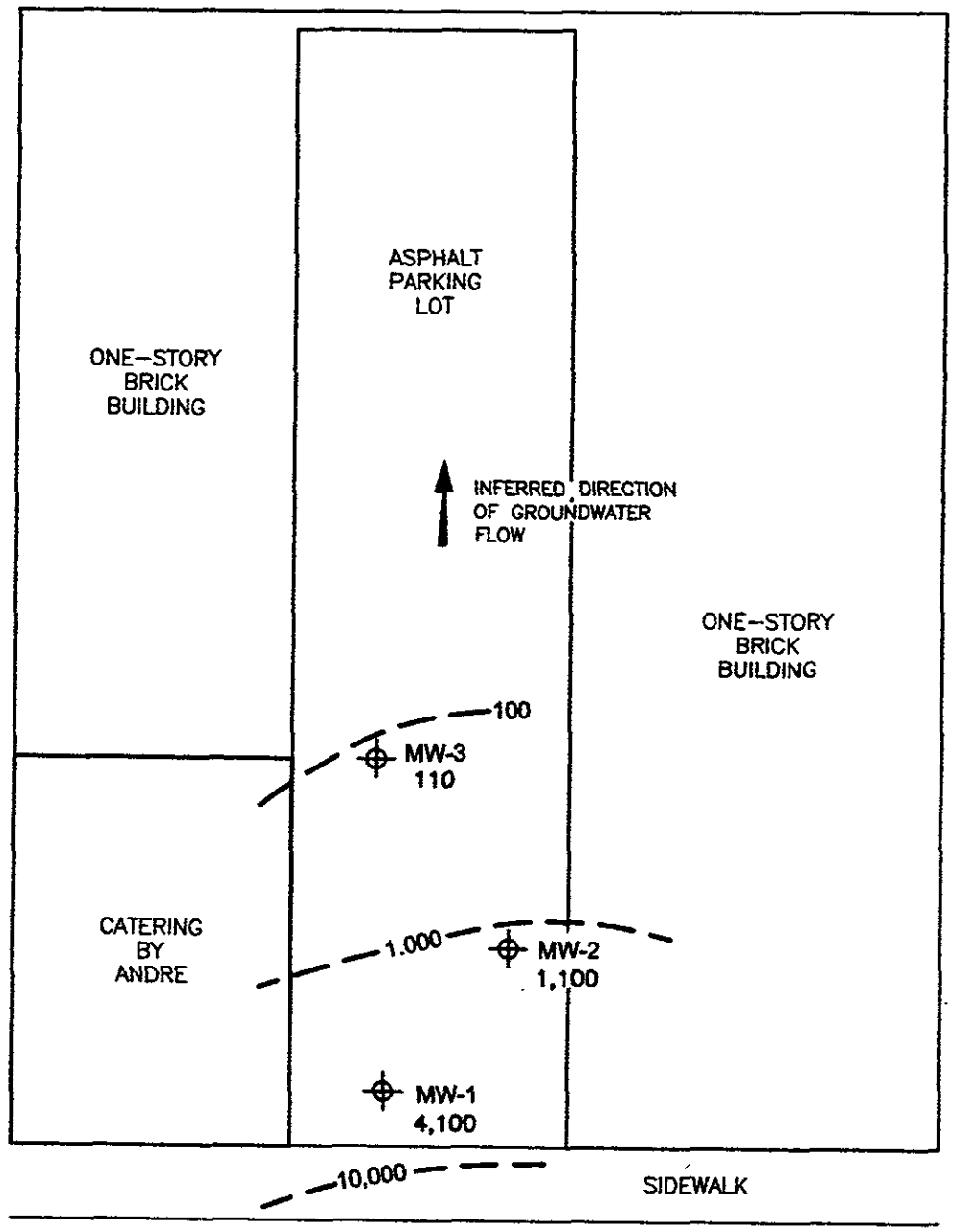

LEGEND

—10,000— TPHG CONCENTRATION CONTOURS (µg/L)

MW-2 MONITORING WELL LOCATION

SCALE 0' 10' 20' 40'

E A R T H T E C H

TPHG CONCENTRATIONS 8/26/97
CATERING BY ANDRE

434 25th STREET
OAKLAND, CALIFORNIA

JANUARY 2000

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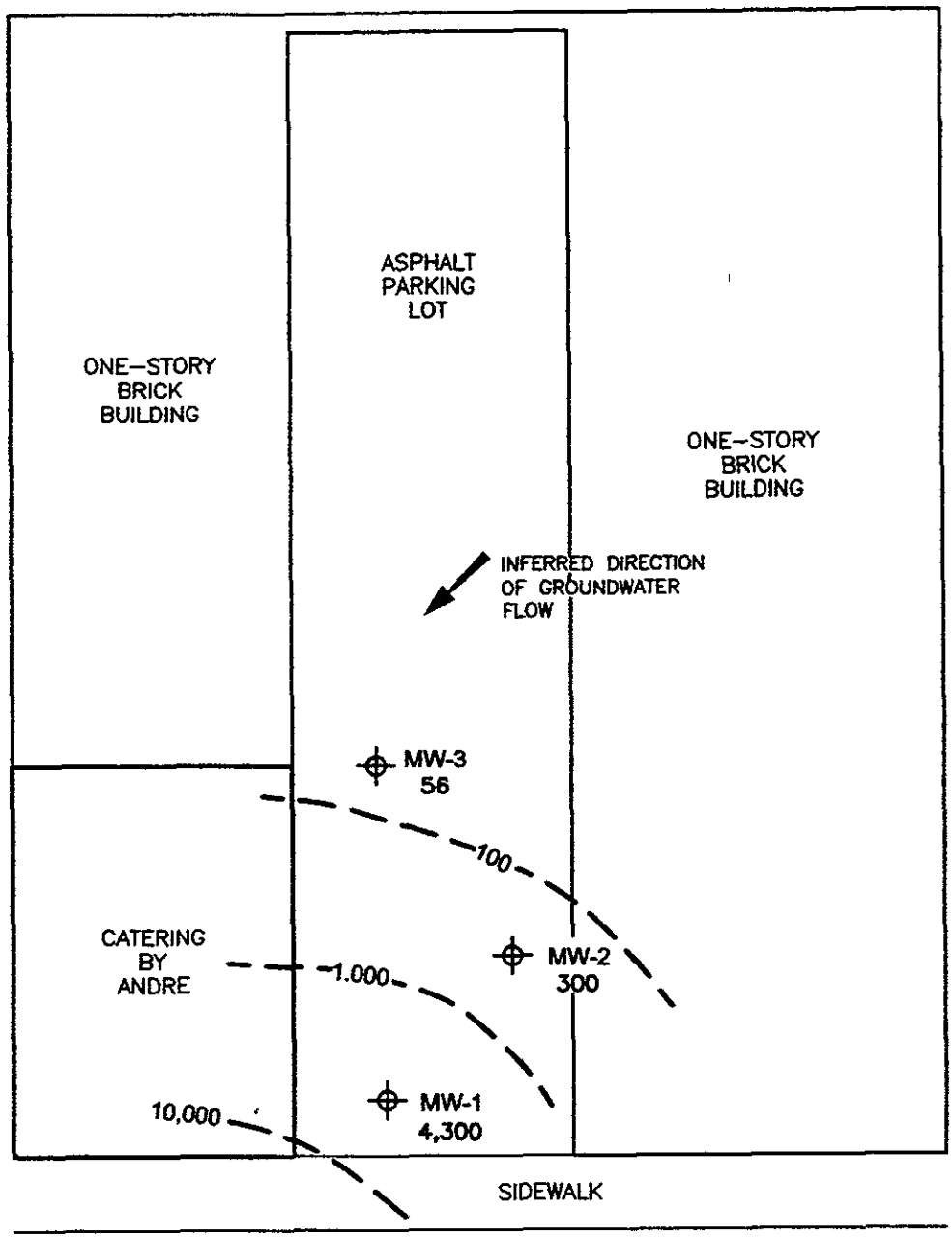

LEGEND

10,000 — TPHG CONCENTRATION CONTOURS (μg/L)

MW-2 — MONITORING WELL LOCATION

SCALE 0' 10' 20' 40'

E A R T H T E C H

TPHG CONCENTRATIONS 2/18/97
CATERING BY ANDRE

434 25th STREET
OAKLAND, CALIFORNIA

JANUARY 2000

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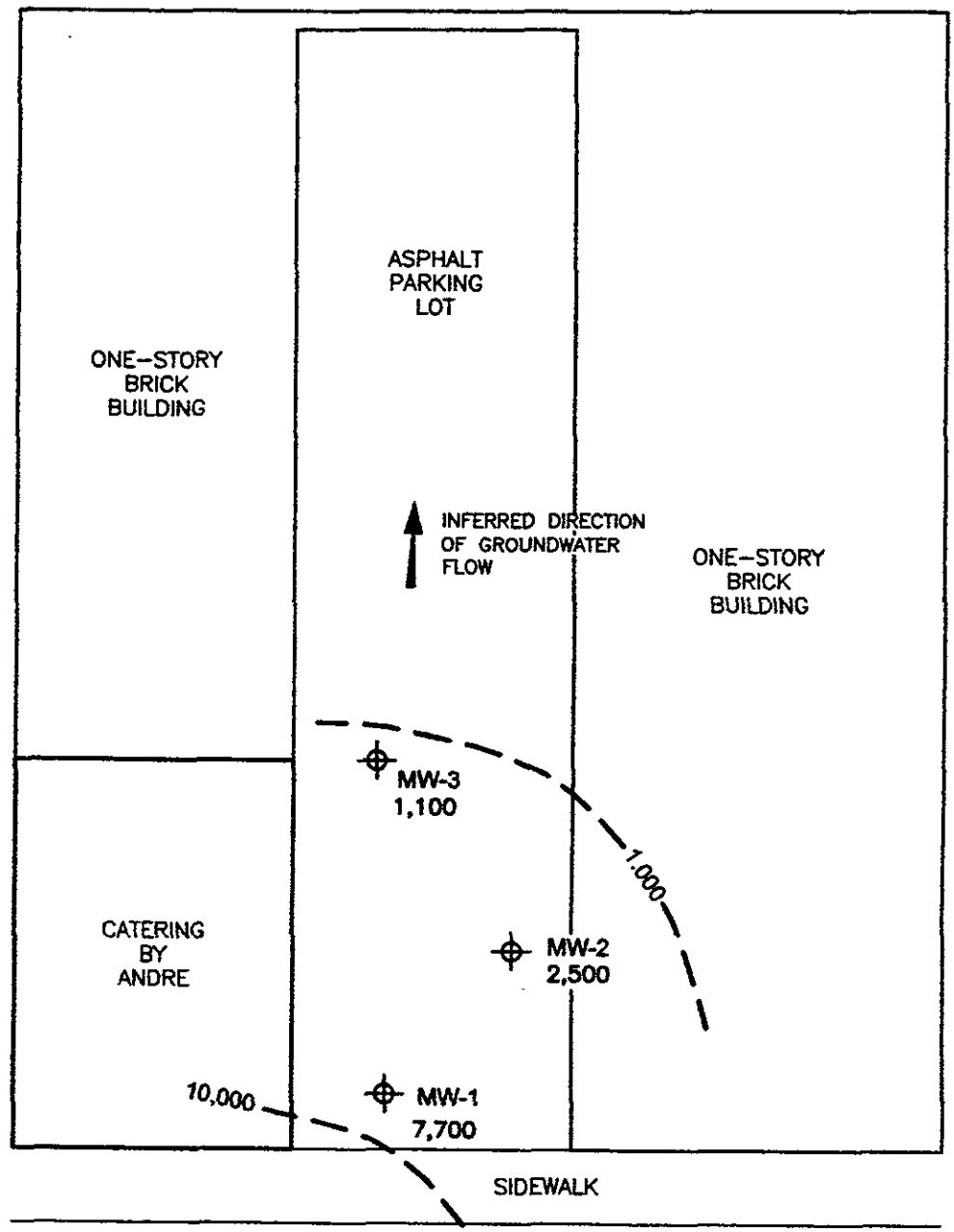

LEGEND

—10,000— TPHG CONCENTRATION CONTOURS (μg/L)

MW-2 MONITORING WELL LOCATION

SCALE 0' 10' 20' 40'

EARTH TECH

TPHG CONCENTRATIONS 9/8/94
CATERING BY ANDRE

434 25th STREET
OAKLAND, CALIFORNIA

JANUARY 2000

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TABLE 1. (Continued)

July 31, 1998

Chromatogram Pattern	Sample I.D.	TPH-G (µg /L)	Benzene (µg /L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE
NS	MW-1	10,000	230	160	390	1,600	(2.5)
NS	MW-2	280	7.7	(0.50)	0.72	(0.50)	71
NS	MW-3	120	2.0	(0.50)	1.0	0.94	7.5

June 1, 1999

Chromatogram Pattern	Sample I.D.	TPH-G (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TPH-D (µg/L)
NS	MW-1	8,200	263	97.5	268	840	450	1070
NS	MW-2	300	12.5	1.11	0.936	0.508	8.25	273
NS	MW-3	(50.0)	(0.500)	(0.500)	(0.500)	(0.500)	(5.00)	(50)

August 18, 1999

Chromatogram Pattern	Sample I.D.	TPH-G (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TPH-D (µg/L)
NS	MW-1	3900g	110	6.2	17	37	(5.00)	1400ed
NS	MW-2	820g	25	3.9	0.74	2.2	(5.00)	200ed
NS	MW-3	(250)	(2.5)	(2.5)	(2.5)	(2.5)	(5.00)	110ndp

Notes:

TPH-G	Total petroleum hydrocarbons quantified as gasoline
µg/L	Micrograms per liter
( )	Not reported at or above the detection limit in parenthesis
HC	Hydrocarbon
C6-C8	Carbon chain consists of between 6 and 8 carbon atoms
MTBE	Methyl t-butyl ether (analyzed by EPA Method modified 8015 8020 prior to 8 18 99, and by EPA Method 8260A after 8 18 99)
NT	Not tested
NS	None stated
g	Hydrocarbon reported in the gasoline range does not match analytical laboratory's gasoline standard
ed	hydrocarbon reported is in the early diesel range, and does not match analytical laboratory's diesel standard
ndp	Hydrocarbon reported does not match the pattern of analytical laboratory's diesel standard