

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



Alameda County CC4580
Environmental Health Services
1131 Harbor Bay Pkwy., #250
Alameda CA 94502-6577
(510)567-6700 FAX(510)337-9335

May 16, 1996

REMEDIAL ACTION COMPLETION CERTIFICATION

Mr. Dante Sambajon
Coulter Steel & Forge Company
1494 67th Street
Emeryville, California 94608

RE: Coulter Steel & Forge Company
1494 67th Street, Emeryville, California 94608
STID # 1385

Dear Mr. Sambajon:

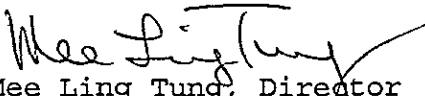
This letter confirms the completion of site investigation and remedial action for the two underground storage tanks (1 - 1,000 gallon gasoline and 1 - 10,000 gallon diesel) removed on November 26, 1991 and January 12, 1994 at the above described location. Enclosed is the Case Closure Summary for the referenced site for your records.

Based upon the available information, including the current land use, and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the two underground storage tanks release is required.

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

Please contact Susan L. Hugo at (510) 567-6780 if you have any questions regarding this matter.

Sincerely,


Mee Ling Tung, Director

Enclosure

c: Gordon Coleman, Acting Chief, Environmental Protection - files
Kevin Graves, RWQCB
Lori Casias, SWRCB (with enclosure)
Jeriann Alexander, SCI, 171-12th Street, Suite 201, Oakland,
California 94607

Leaking Underground Fuel Storage Tank Program

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued)

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
TPH (Gas)	nd	-	-	-
TPH (Diesel)	* 670	** 2000	10,000	980
Benzene	nd	nd	nd	nd
Toluene	nd	nd	nd	nd
Xylene	0.017	nd	4.0	nd
Ethylbenzene	nd	nd	nd	nd
Total lead	4.7	-	-	-

* Soil sample collected at 10 feet bgs following the removal of the diesel tank.

* Soil sample collected at 7 feet bgs from the east wall of the tank area near the fence.

Comments (Depth of Remediation, etc.):

Two underground storage tanks were removed at the site on two separate occasions (11/26/91 and 1/12/94).

In November 1991, a 10,000 gallon diesel tank located at the back of the property between Ashby And Folger Avenue was removed by Scott Company. Following the tank removal, two soil samples collected (one from each end of the tank) at the soil/water interface (aprox. 10 ft. bgs) found up to 670 ppm TPH diesel. Overexcavation was later conducted laterally (5 to 7 ft.) and vertically (3 to 5 ft deeper). The confirmation soil samples collected at 7 to 15.5 feet bgs. found TPH diesel ranging from 110 ppm to 2900 ppm. Additional hot spot removal was conducted in 1993. Approximately 880 cubic yards of contaminated soil was excavated, bioremediated, sampled and reused on site. A total of 37 samples were collected to characterize approximately 880 cubic yards of soil.

Subsurface investigation was performed on May 12, 1992. Seven borings were drilled from approximately 17 to 32 feet bgs. Soil samples collected from the borings from 6 to 16 feet bgs found TPH diesel (25 ppm to 9700 ppm) but non detect for BTEX. Localized TPH diesel (9700 ppm) in soil was detected in boring 1 at 9 feet bgs within 20 feet downgradient of the tank and was further excavated in February 1993.

Four of the seven borings were completed as groundwater monitoring wells (MW-3 to MW-6). Two wells (MW-4 & MW-6) are in the downgradient location of the former tank. Groundwater depths ranged from 9.93 to 12.96 feet bgs. during the first monitoring event. Water samples collected from the wells found TPH diesel (nd to 10,000 ppb), and xylene (2 ppb to 4.0 ppb). Benzene, toluene and ethylbenzene were not detected.

Leaking Underground Fuel Storage Tank Program

The site is located approximately 2200 feet from the eastern shoreline of the bay. The SP right-of way extends about 200 feet west of the subject property. The north property line slopes steeply downward towards Ashby Avenue (located 30 to 40 feet north of the tank area). The surface grade of Ashby is about 15 to 20 feet below the groundsurface grade at the site. The previous tank area is blanketed by a thin layer of fill (sandy gravels, clayey silts & clays) which extends from 0.5 to 3 feet bgs. Fill was not encountered in boring 6. Interbedded alluvial deposits were encountered beginning at groundsurface in boring 6 and beneath the fill at the other five borings. The groundwater flow direction has been consistently to the west-southwest.

On December 2, 1993, an upgradient well MW-8 was installed off site. Soil sample collected at 8 ft found no BTEX but had very low TPH diesel (1 ppm). The water sample from MW-8 did not detected TPH diesel and BTEX.

In January 1994, a 1,000 gallon underground gasoline tank was removed from the site by Bay Area Tank & Marine Environmental Technologies. Three soil samples (two from the bottom of the tank and one from the wall of the excavation) were collected following the tank removal. Total lead (4.7 ppm) and xylene (0.017 ppm) were detected at very low levels. TPH gasoline, benzene, toluene and ethylbenzene were not found in any of the samples. The stockpiled soil had low concentrations of toluene (0.016 ppm), ethylbenzene (0.011 ppm) and xylene (0.064 ppm) and was aerated and used as backfill material for the excavation. No further work was required regarding the former gasoline UST at the site.

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: **NA**

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

Monitoring wells Decommissioned: **No, will decommission upon case closure**

Number Decommissioned: **NA** Number Retained: **NA**

List enforcement actions taken: **NA**

List enforcement actions rescinded: **NA**

Leaking Underground Fuel Storage Tank Program

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Susan L. Hugo Title: Sr. Hazardous Materials Specialist
Signature: *Susan L. Hugo* Date: *2/28/96*

Reviewed by

Name: Barney Chan Title: Hazardous Materials Specialist
Signature: *Barney Chan* Date: *2/28/96*

Name: Thomas Peacock Title: Sup. Hazardous Materials Specialist
Signature: *Thomas Peacock* Date: *2/28/96*

VI. RWQCB NOTIFICATION

Date Submitted to RB: *2/28/96* RB Response: *Approved*
RWQCB Staff Name: Kevin Graves Title: Water Resources Control Engineer
Kevin Graves Date: *3/26/96*

VII. ADDITIONAL COMMENTS, DATA, ETC.

The groundwater monitoring program for this site has been conducted since May 1992, a total of 11 consecutive events. TPH diesel levels fluctuated ranging from nd to 10,000 ppb. The last sampling event (9/13/95) found nd to 980 ppb TPH diesel. Aggressive source removal has occurred at the site. The downgradient well (MW-6) did not detect any TPH diesel and benzene during the entire monitoring program. The plume appears to be stable and decreasing. The residual levels of diesel contamination in soil and groundwater do not appear to be a threat to public health and the environment. Therefore, this agency recommends no further work regarding the former diesel underground storage tank removed from the subject property.

Table 2. Contaminants in Soil

<u>Sample</u>	<u>TVH as Gas mg/kg</u>	<u>TEH as Diesel mg/kg</u>	<u>B mg/kg</u>	<u>T mg/kg</u>	<u>E mg/kg</u>	<u>X mg/kg</u>
Tank Removal						
S1 @ 10.0'	--	630	--	--	--	--
S4 @ 10.0'	--	670	--	--	--	--
Supplemental Excavation						
CS-1 @ 14.5'	--	680	<0.005	<0.005	<0.005	<0.005
CS-2 @ 14.0'	--	280	<0.005	<0.005	<0.005	<0.005
CS-3 @ 15.5'	--	110	<0.005	<0.005	<0.005	<0.005
CS-4 @ 7.0'	--	1700	<0.05	<0.05	<0.05	<0.05
CS-5 @ 7.0'	--	1500	<0.05	<0.05	<0.05	<0.05
CS-6 @ 7.0'	--	2900	<0.05	<0.05	<0.05	<0.05
CS-7 @ 7.0'	--	2000	<0.05	<0.05	<0.05	<0.05
SCI Investigation						
1 @ 9.0'	<0.5	9700	<0.005	<0.005	<0.005	<0.005
1 @ 12.5'	<0.5	<0.5	<0.005	<0.005	<0.005	<0.005
2 @ 8.5'	<0.5	<0.5	<0.005	<0.005	<0.005	<0.005
2 @ 16.0'	<0.5	3.0	<0.005	<0.005	<0.005	<0.005
3 @ 9.5'	<0.5	250	<0.005	<0.005	<0.005	<0.005
3 @ 16.0'	<0.5	25.0	<0.005	<0.005	<0.005	<0.005
4 @ 9.5'	<0.5	<0.5	<0.005	<0.005	<0.005	<0.005
4 @ 13.5'	<0.5	<0.5	<0.005	<0.005	<0.005	<0.005
5 @ 9.5'	<0.5	<0.5	<0.005	<0.005	<0.005	<0.005
5 @ 13.0'	<0.5	<0.5	<0.005	<0.005	<0.005	<0.005
6 @ 11.0'	<0.5	<0.5	<0.005	<0.005	<0.005	<0.005
7 @ 6.0'	<0.5	28	<0.005	<0.005	<0.005	<0.005
7 @ 11.0'	<0.5	<0.5	<0.005	<0.005	<0.005	<0.005

TVH = total volatile hydrocarbons

TEH = total extractable hydrocarbons

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylene

-- Test not requested

< = Chemical not present at a concentration greater than analytical reporting limit stated.

mg/kg = milligrams per kilogram, parts per million

■ Subsurface Consultants, Inc.

Table 2.
Contaminant Concentrations in Soil

<u>Sample</u>	<u>TEH as Diesel (mg/kg)</u>	<u>B (ug/kg)</u>	<u>T (ug/kg)</u>	<u>E (ug/kg)</u>	<u>X (ug/kg)</u>
1 @ 9.0'	9700	<5	<5	<5	<5
1 @ 12.5'	<0.5	<5	<5	<5	<5
2 @ 8.5'	<0.5	<5	<5	<5	<5
2 @ 16.0'	3.0	<5	<5	<5	<5
3 @ 9.5'	250	<5	<5	<5	<5
3 @ 16.0'	25.0	<5	<5	<5	<5
4 @ 9.5'	<0.5	<5	<5	<5	<5
4 @ 13.5'	<0.5	<5	<5	<5	<5
5 @ 9.5'	<0.5	<5	<5	<5	<5
5 @ 13.0'	<0.5	<5	<5	<5	<5
6 @ 11.0'	<0.5	<5	<5	<5	<5
7 @ 6.0'	28	<5	<5	<5	<5
7 @ 11.0'	<0.5	<5	<5	<5	<5
8 @ 8'	1	<5	<5	<5	<5

TEH = Total extractable hydrocarbons, as diesel
 mg/kg = milligrams per kilogram, parts per million
 ug/kg = micrograms per kilogram, parts per billion
 B = benzene
 T = toluene
 E = ethylbenzene
 X = xylenes

Table 2.
TEH and BTEX Concentrations in Groundwater

<u>Sample</u>	<u>Date</u>	<u>TEH</u> <u>ug/l</u>	<u>B</u> <u>ug/l</u>	<u>T</u> <u>ug/l</u>	<u>E</u> <u>ug/l</u>	<u>X</u> <u>ug/l</u>
MW-3	5/15/92	100	<0.5	<0.5	<0.5	2.5
	8/18/92	<50	<0.5	<1.0	<0.5	<0.5
	3/4/93	<50	<0.5	<0.5	<0.5	<0.5
	6/8/93	<50	<0.5	<0.5	<0.5	<0.5
	11/4/93	60	<0.5	0.6	<0.5	0.21
	2/23/94	1600	<0.5	<0.5	<0.5	<0.5
	9/7/94	900	<0.5	<2	<0.5	<0.5
	3/13/95	310	<0.5	<0.5	<0.5	<0.5
	9/13/95	<50	<0.5	<0.5	<0.5	<0.5
MW-4	5/15/92	10,000	<0.5	<0.5	<0.5	5
	8/18/92	300	<0.5	<1.0	<0.5	<0.5
	3/4/93	<50	<0.5	<0.5	<0.5	<0.5
	6/8/93	190	<0.5	<0.5	<0.5	<0.5
	11/4/93	<50	0.5	0.5	<0.5	0.9
	2/23/94	<50	<0.5	<0.5	<0.5	<0.5
	6/9/94	530	<0.5	<0.5	<0.5	<0.5
	12/16/94	410	<0.5	<0.5	<0.5	<0.5
	3/13/95	750	<0.5	<0.5	<0.5	0.9
	6/14/95	9000	1.1	<0.5	<0.5	<0.5
9/14/95	310 ¹	<0.5	<0.5	<0.5	<0.5	
MW-5	5/15/92	510	<0.5	<1.0	<0.5	<0.5
	3/5/93	1,400	<0.5	<0.5	<0.5	<0.5
	6/8/93	1,300	<0.5	<0.5	<0.5	<0.5
	11/4/94	930	<0.5	0.5	<0.5	0.9
	2/23/94	3,100	<0.5	<0.5	<0.5	<0.5
	6/9/94	310	<0.5	<0.5	<0.5	<0.5
	9/7/94	1100	<0.5	<2	<0.5	<0.5
	12/19/94	690	<0.5	<0.5	<0.5	<0.5
	3/14/95	590	<0.5	<0.5	<0.5	<0.5
	6/14/95	4600	<0.5	<0.5	<0.5	<0.5
9/14/95	980	<0.5	<0.5	<0.5	<0.5	
MW-6	5/15/92	<50	<0.5	<0.5	<0.5	2
	8/18/92	<50	<0.5	<1.0	<0.5	<0.5
	3/4/93	<50	<0.5	<0.5	<0.5	<0.5
	6/8/93	<50	<0.5	<0.5	<0.5	<0.5
	11/4/93	<50	<0.5	<0.5	<0.5	0.7
	2/23/94	<50	<0.5	<0.5	<0.5	<0.5
	6/9/94	<50	<0.5	<0.5	<0.5	<0.5
	9/7/94	<50	<0.5	<2	<0.5	<0.5
	12/16/94	<50	<0.5	-	-	-
	3/13/95	<50	<0.5	<0.5	<0.5	<0.5
	6/14/95	<50	<0.5	<0.5	<0.5	<0.5
	9/13/95	<50	<0.5	<0.5	<0.5	<0.5

Table 2.
TEH and BTEX Concentrations in Groundwater

<u>Sample</u>	<u>Date</u>	<u>TEH</u> <u>ug/l</u>	<u>B</u> <u>ug/l</u>	<u>T</u> <u>ug/l</u>	<u>E</u> <u>ug/l</u>	<u>X</u> <u>ug/l</u>
MW-8	12/6/93	<50	<0.5	<0.5	<0.5	<0.5
	2/23/94	<50	<0.5	<0.5	<0.5	<0.5
	6/9/94	<50	<0.5	<0.5	<0.5	<0.5
	9/7/94	<50	<0.5	<2	<0.5	<0.5
	12/16/94	<0.5	<0.5	<0.5	<0.5	<0.5
	3/13/95	84	<0.5	<0.5	<0.5	<0.5
	6/14/95	81 ²	<0.5	<0.5	<0.5	<0.5
	9/13/95	150 ¹	<0.5	<0.5	<0.5	<0.5

ug/l = micrograms per liter, parts per billion

TEH = Total extractable hydrocarbons

B = benzene

T = toluene

E = ethylbenzene

X = xylenes

¹ = Sample exhibits unknown single peak or peaks

² = Method blank contamination indicates high bias in sample result

**Table 1.
Groundwater Elevation Data**

<u>Well</u>	<u>TOC Elevation (feet)</u>	<u>Date</u>	<u>Groundwater Depth (feet)</u>	<u>Groundwater Elevation (feet)</u>
MW-6	22.98	5/15/92	12.46	10.52
		7/1/92	12.96	10.02
		8/18/92	13.42	9.56
		3/4/93	11.60	11.38
		6/8/93	12.34	10.64
		11/4/93	13.62	9.36
		12/6/93	13.08	9.90
		2/23/94	11.78	11.20
		6/9/94	12.73	10.25
		9/7/94	13.52	9.46
		12/16/94	11.69	11.29
		3/9/95	11.02	11.96
		6/14/95	11.95	11.03
		9/13/95	12.69	10.29
MW-8	23.85	12/6/93	9.07	14.15
		2/23/94	7.93	15.92
		6/9/94	8.60	15.25
		9/7/94	9.39	14.46
		12/16/94	7.78	16.07
		3/9/95	7.82	16.03
		6/14/95	8.30	15.55
		9/13/95	9.12	14.73

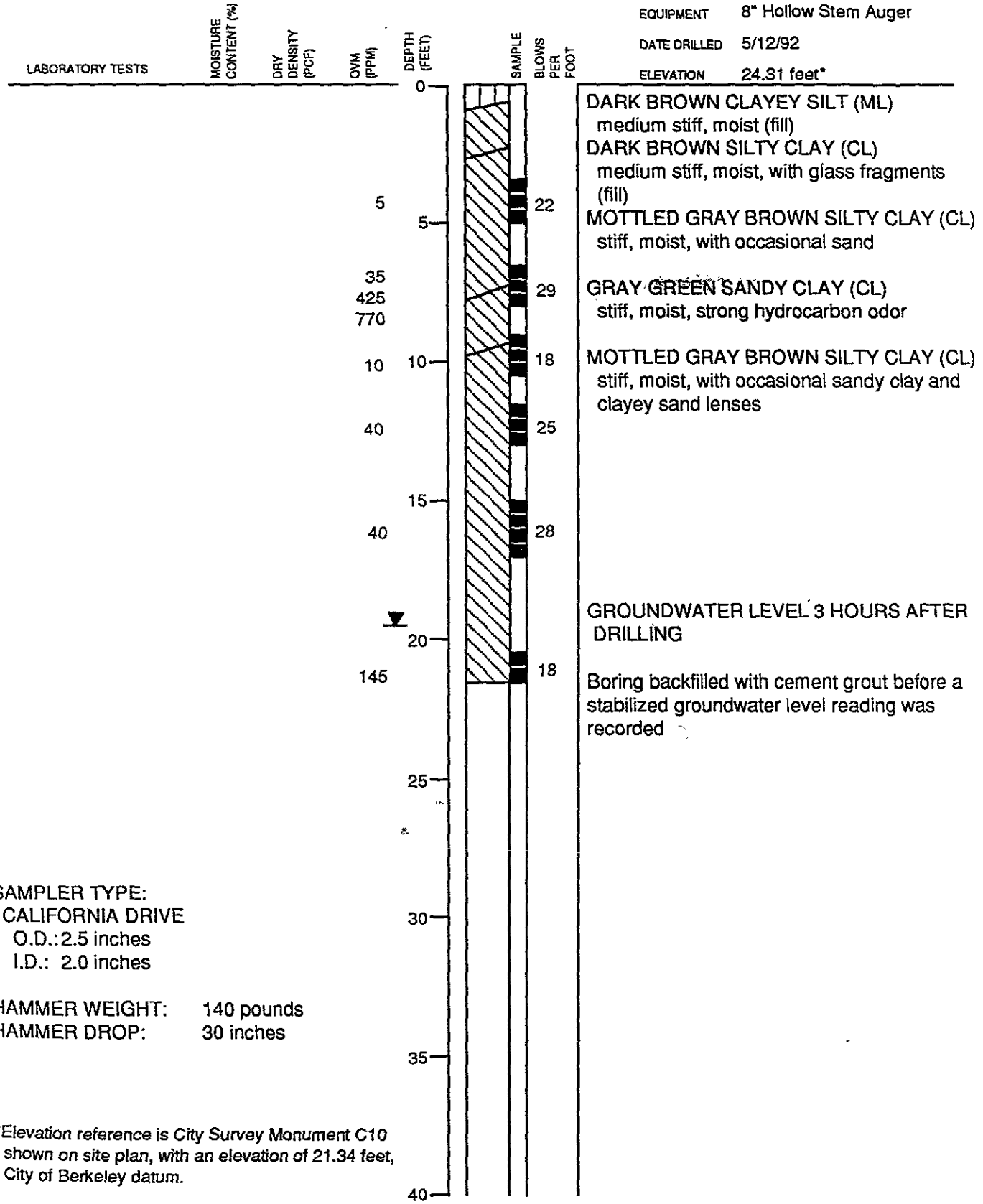
TOC = Top of casing

Elevation reference = City of Berkeley Survey Monument of Folger Avenue at the Location
Shown on the Site Plan

**Table 1.
Groundwater Elevation Data**

<u>Well</u>	<u>TOC Elevation (feet)</u>	<u>Date</u>	<u>Groundwater Depth (feet)</u>	<u>Groundwater Elevation (feet)</u>
MW-3	24.70	5/15/92	11.15	13.55
		7/1/92	11.60	13.10
		8/18/92	12.00	12.70
		3/4/93	9.97	14.91
		6/8/93	10.47	14.23
		11/4/93	12.05	12.65
		12/6/93	11.62	13.08
		2/23/94	10.12	14.58
		6/9/94	10.98	13.72
		9/7/94	11.83	12.87
		12/16/94	9.96	14.74
		3/9/95	8.86	15.84
		6/14/95	10.40	14.30
		9/13/95	11.19	13.51
MW-4	23.92	5/15/92	10.00	13.92
		7/1/92	11.26	12.66
		8/18/92	11.58	12.34
		3/4/93	9.39	14.53
		6/8/93	10.01	13.91
		11/4/93	11.53	12.39
		12/6/93	11.11	12.81
		2/23/94	9.63	14.29
		6/9/94	10.47	13.45
		9/7/94	11.31	12.61
		12/16/94	9.48	14.44
		3/9/95	8.72	15.20
		6/14/95	9.85	14.07
		9/13/95	10.60	13.32
MW-5	23.85	5/15/92	10.52	13.33
		7/1/92	9.93	13.92
		8/18/92	9.24	14.61
		3/5/93	7.72	16.15
		6/8/93	8.31	15.54
		11/4/93	10.33	13.52
		12/6/93	9.91	13.94
		2/23/94	8.23	15.62
		6/9/94	9.09	14.76
		9/7/94	9.95	13.90
		12/16/94	7.98	15.87
		3/9/95	7.33	16.52
		6/14/95	8.40	15.45
		9/13/95	9.34	14.51

LOG OF TEST BORING 1



SAMPLER TYPE:
CALIFORNIA DRIVE
O.D.: 2.5 inches
I.D.: 2.0 inches

HAMMER WEIGHT: 140 pounds
HAMMER DROP: 30 inches

*Elevation reference is City Survey Monument C10
shown on site plan, with an elevation of 21.34 feet,
City of Berkeley datum.

Subsurface Consultants

722 FOLGER AVENUE - BERKELEY, CA

PLATE

JOB NUMBER
727.001

DATE
6/22/92

APPROVED
[Signature]

2

LOG OF TEST BORING 2

EQUIPMENT 8" Hollow Stem Auger

DATE DRILLED 5/13/92

ELEVATION 25.14 feet

LABORATORY TESTS

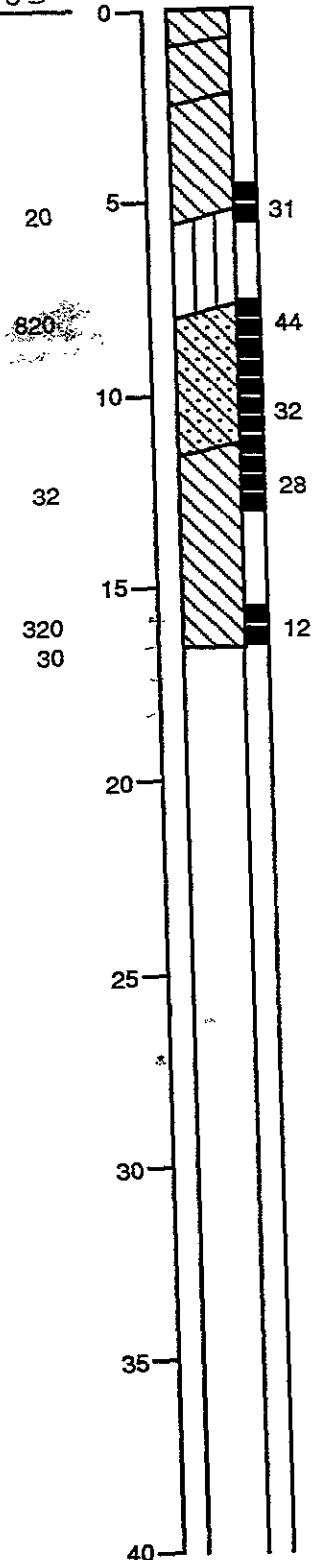
MOISTURE
CONTENT (%)

DRY
DENSITY
(PCF)

QVM
(PPM)

DEPTH
(FEET)

SAMPLE
BLOWS
PER
FOOT



DARK BROWN SANDY CLAY (CL)
soft, moist (fill)

LIGHT GRAY BROWN SILTY CLAY (CL)
medium stiff, moist

MOTTLED YELLOW BROWN SILTY
CLAY (CL)
stiff, moist, with some sand

MOTTLED GRAY SANDY SILT (ML)
stiff, moist, slight hydrocarbon odor

MOTTLED GRAY BROWN CLAYEY
SAND (SC)
dense, moist, moderate hydrocarbon odor

strong hydrocarbon odor from 10-12 feet

MOTTLED GRAY AND BROWN SILTY
CLAY (CL)
stiff, moist, slight hydrocarbon odor

Boring backfilled with cement grout before
a stabilized groundwater level reading was
recorded

GROUNDWATER NOT ENCOUNTERED
DURING DRILLING

Subsurface Consultants

722 FOLGER AVENUE - BERKELEY, CA

JOB NUMBER
727.001

DATE
6/22/92

APPROVED

PLATE

3

LOG OF TEST BORING 3

EQUIPMENT 8" Hollow Stem Auger
 DATE DRILLED 5/12/92
 TOC ELEVATION 24.70 feet

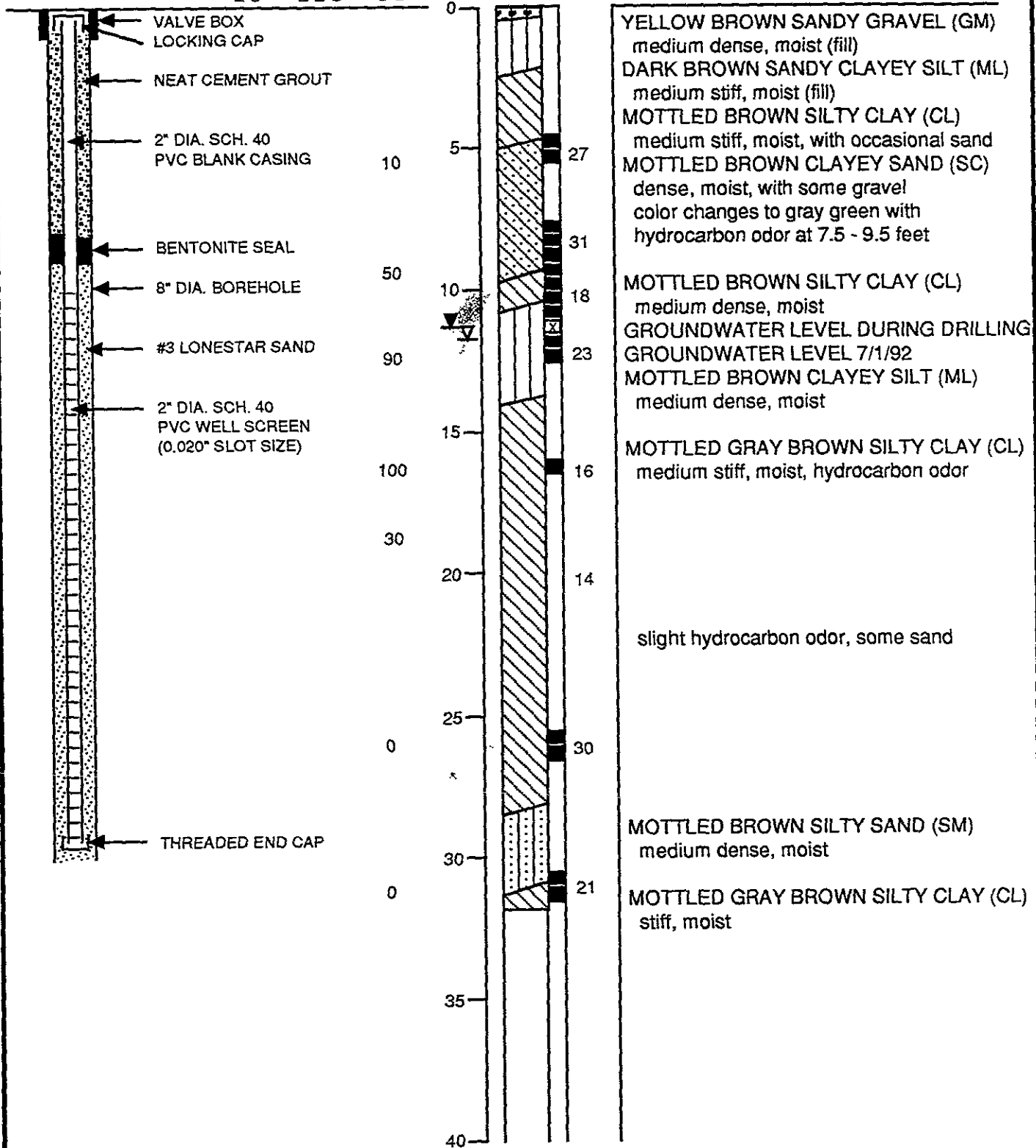
MOISTURE
CONTENT %

DRY
DENSITY
(pcf)

OVN
(ppm)

DEPTH
(feet)

SAMPLE
BLOWS
PER
FOOT



Subsurface Consultants

722 FOLGER AVENUE - BERKELEY, CA

JOB NUMBER
727.001

DATE
6/22/92

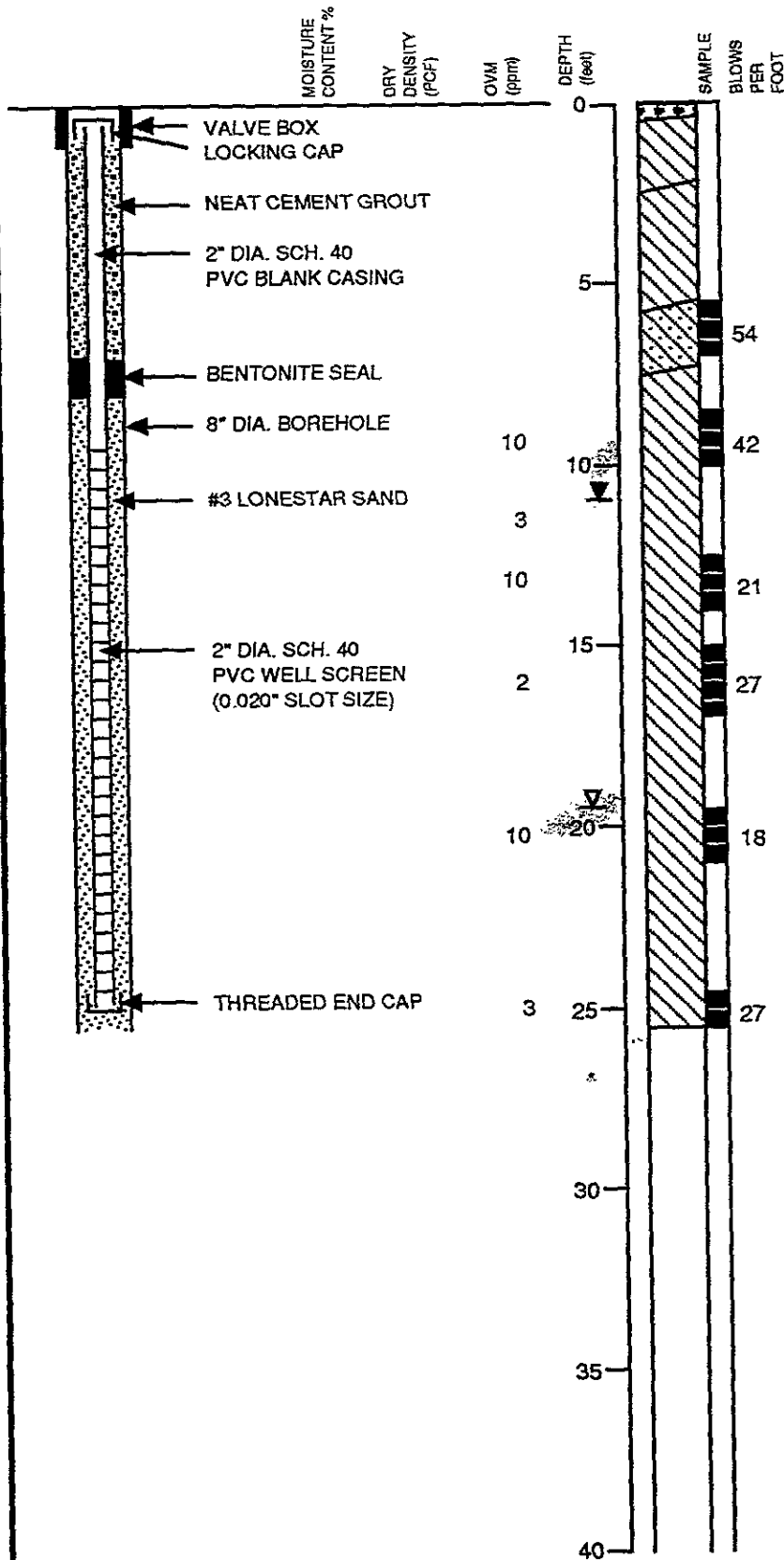
APPROVED
[Signature]

PLATE

4

LOG OF TEST BORING 4

EQUIPMENT 8" Hollow Stem Auger
 DATE DRILLED 5/12/92
 TOC ELEVATION 23.92 feet



Subsurface Consultants

722 FOLGER AVENUE - BERKELEY, CA

PLATE

JOB NUMBER
727.001

DATE
6/22/92

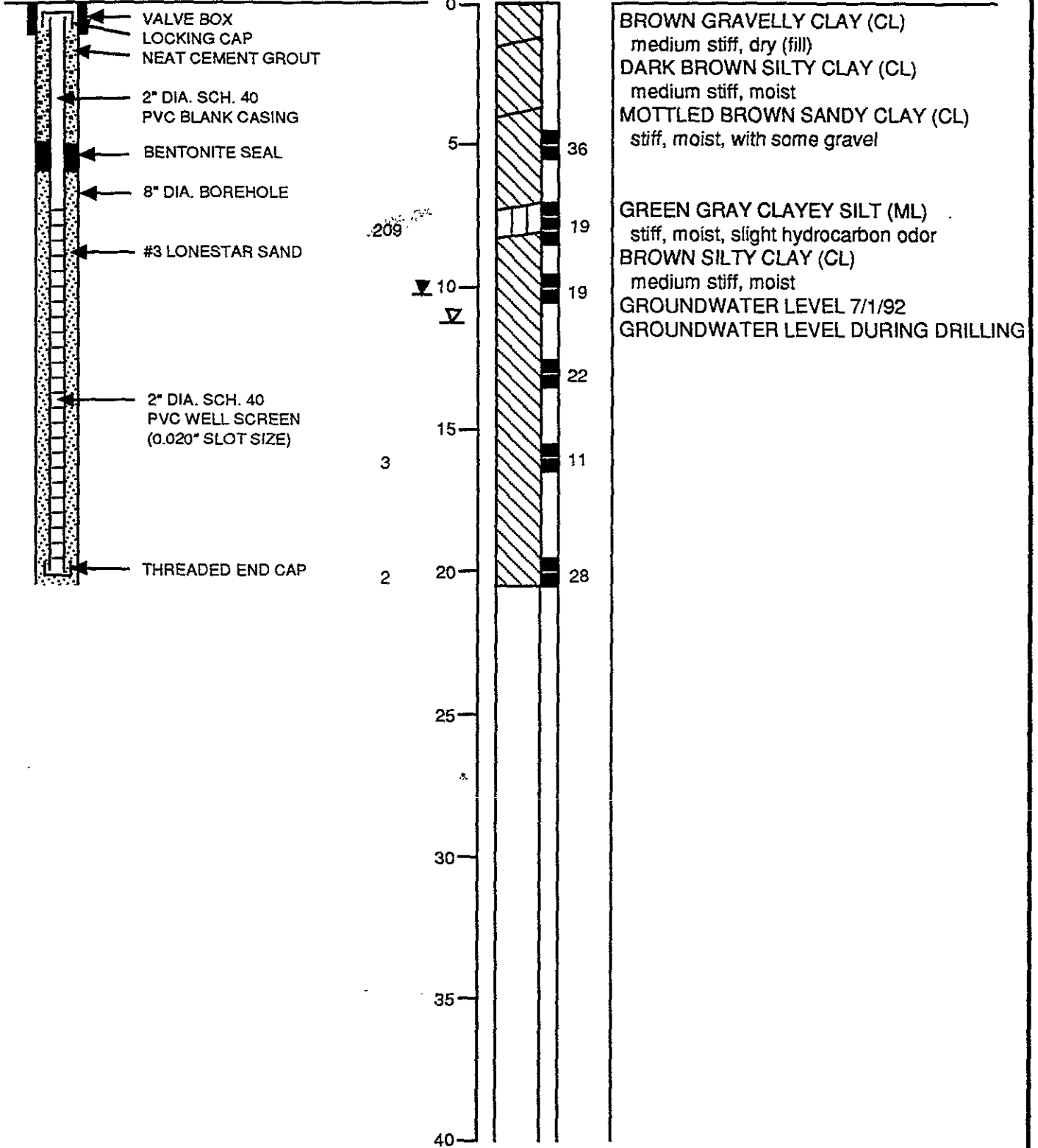
APPROVED
[Signature]

5

LOG OF TEST BORING 5

EQUIPMENT 8" Hollow Stem Auger
 DATE DRILLED 5/13/92
 TOC ELEVATION 23.85 feet

MOISTURE CONTENT %
 DRY DENSITY (PCF)
 OVM (ppm)
 DEPTH (feet)
 SAMPLE BLOWS PER FOOT



Subsurface Consultants

722 FOLGER AVENUE - BERKELEY, CA

PLATE

JOB NUMBER
727.001

DATE
6/22/92

APPROVED
[Signature]

6

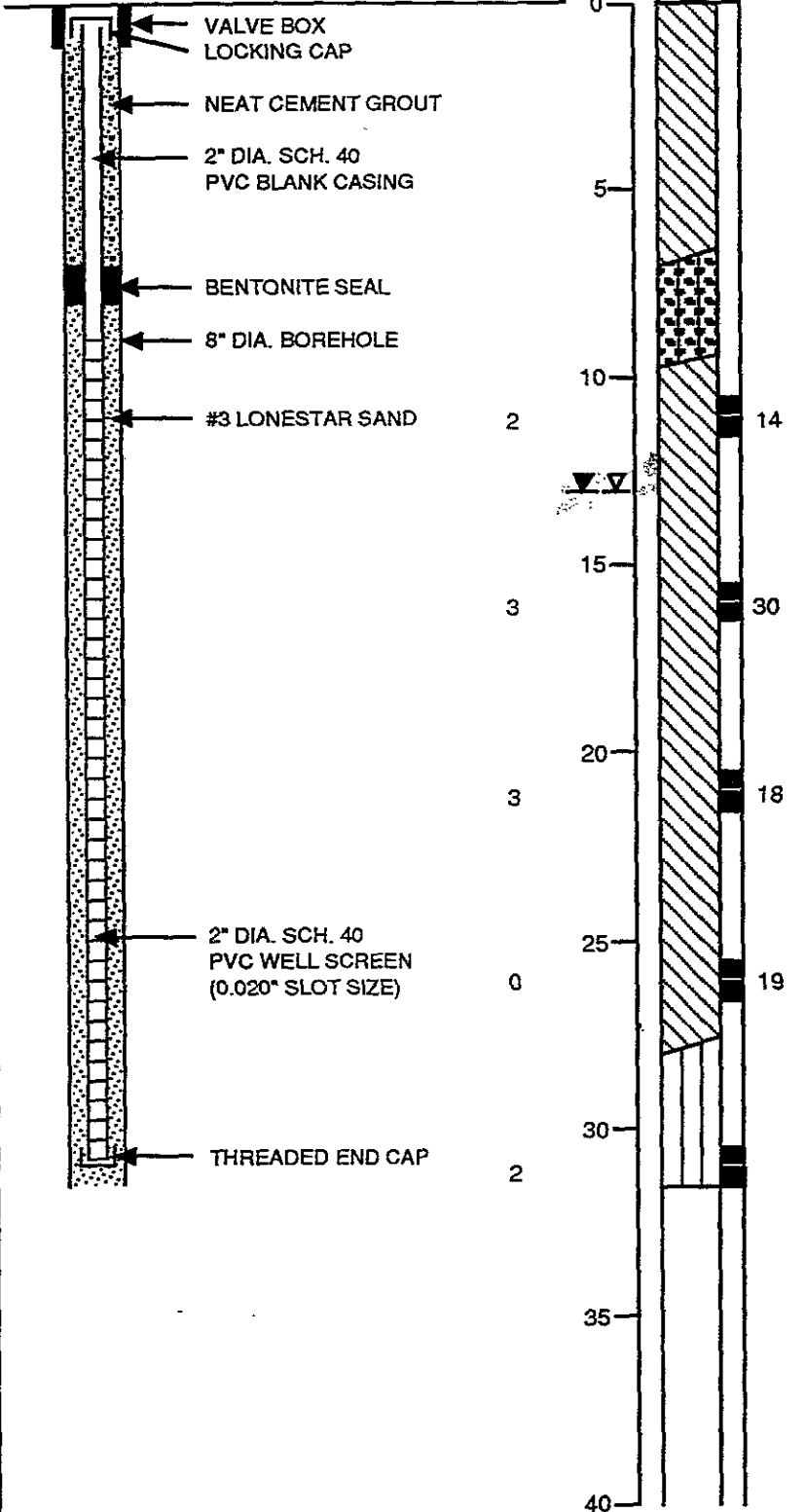
LOG OF TEST BORING 6

EQUIPMENT 8" Hollow Stem Auger

DATE DRILLED 5/13/92

TOC ELEVATION 22.98 feet

MOISTURE CONTENT %
 DRY DENSITY (PCF)
 CVM (ppm)
 DEPTH (feet)
 SAMPLE BLOWS PER FOOT



DARK GRAY BROWN SILTY CLAY (CL)
medium stiff, moist

BROWN CLAYEY GRAVEL (GM)
dense, moist

MOTTLED BROWN GRAY SILTY CLAY (CL)
medium dense, moist, with occasional gravel

GROUNDWATER LEVEL DURING DRILLING
GROUNDWATER LEVEL 7/1/92

MOTTLED BROWN CLAYEY SANDY SILT (ML)
stiff, moist

Subsurface Consultants

722 FOLGER AVENUE - BERKELEY, CA

PLATE

JOB NUMBER
727.001

DATE
6/22/92

APPROVED

7

LOG OF TEST BORING 7

EQUIPMENT 8" Hollow Stem Auger

DATE DRILLED 5/13/92

ELEVATION --

LABORATORY TESTS

MOISTURE
CONTENT (%)

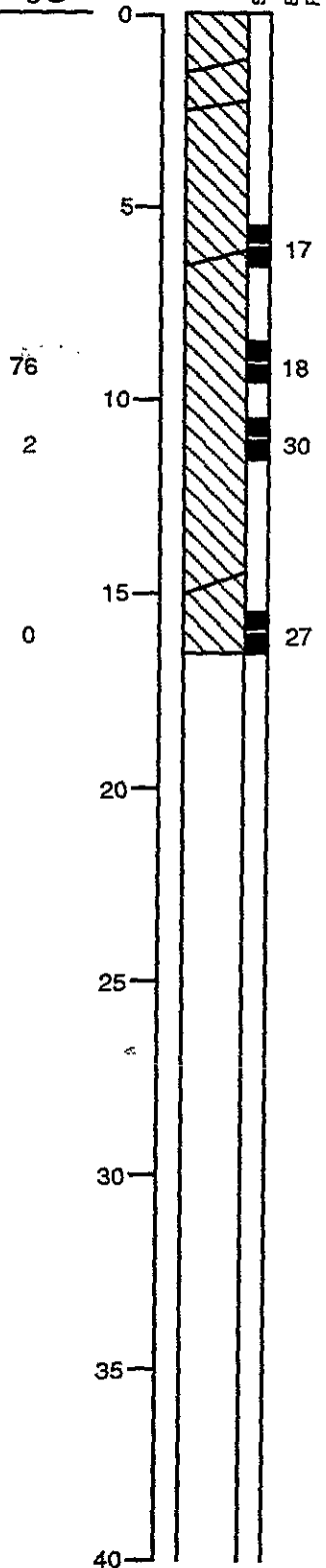
DRY
DENSITY
(PCF)

QVM
(PPM)

DEPTH
(FEET)

SAMPLE

BLOWS
PER
FOOT



BROWN GRAVELLY CLAY (CL)
medium dense, moist (fill)
DARK BROWN SILTY CLAY (CL)
medium stiff, moist (fill)
MOTTLED BROWN GRAY SILTY CLAY (CL)
medium stiff, moist, with minor sand content

BROWN SILTY CLAY (CL)
medium stiff to stiff, moist
moderate hydrocarbon odor at 8 feet

mild hydrocarbon odor

BROWN SANDY CLAY (CL)
stiff, moist
hydrocarbon odor

Boring backfilled with cement grout before a
stabilized groundwater level reading was
recorded

GROUNDWATER NOT ENCOUNTERED
DURING DRILLING

Subsurface Consultants

722 FOLGER AVENUE - BERKELEY, CA

PLATE

JOB NUMBER

DATE

APPROVED

727.001

6/22/92

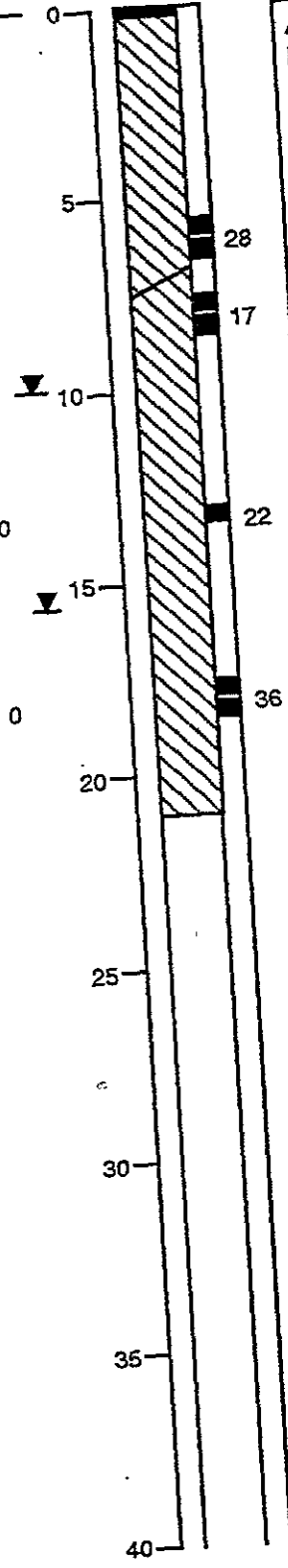
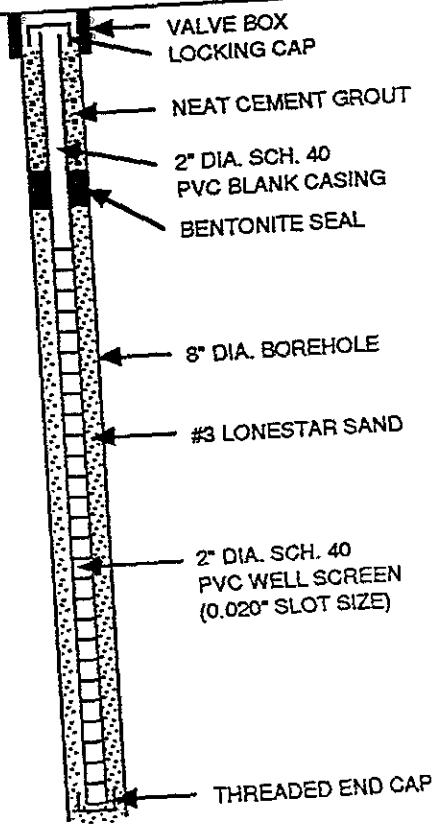
8

LOG OF TEST BORING MW-8

EQUIPMENT 8" Hollow Stem Auger
 DATE DRILLED 12/2/93
 TOC ELEVATION 23.85'

MOISTURE CONTENT %
 DRY DENSITY (pcf)
 OVM (ppt)

DEPTH (feet)
 SAMPLE
 BLOWS PER FOOT



ASPHALTIC CONCRETE - 2" thick
 MOTTLED BROWN SANDY CLAY (CL)
 stiff, moist, with some gravel to 1/2 inch in dia.

MOTTLED BROWN SILTY CLAY (CL)
 medium stiff, moist

GROUNDWATER LEVEL 12/6/93

GROUNDWATER LEVEL DURING DRILLING

SAMPLER TYPE:
 CALIFORNIA DRIVE
 O.D.: 2.5 inches
 I.D.: 2.0 inches

HAMMER WEIGHT: 140 pounds
 HAMMER DROP: 30 inches

Subsurface Consultants

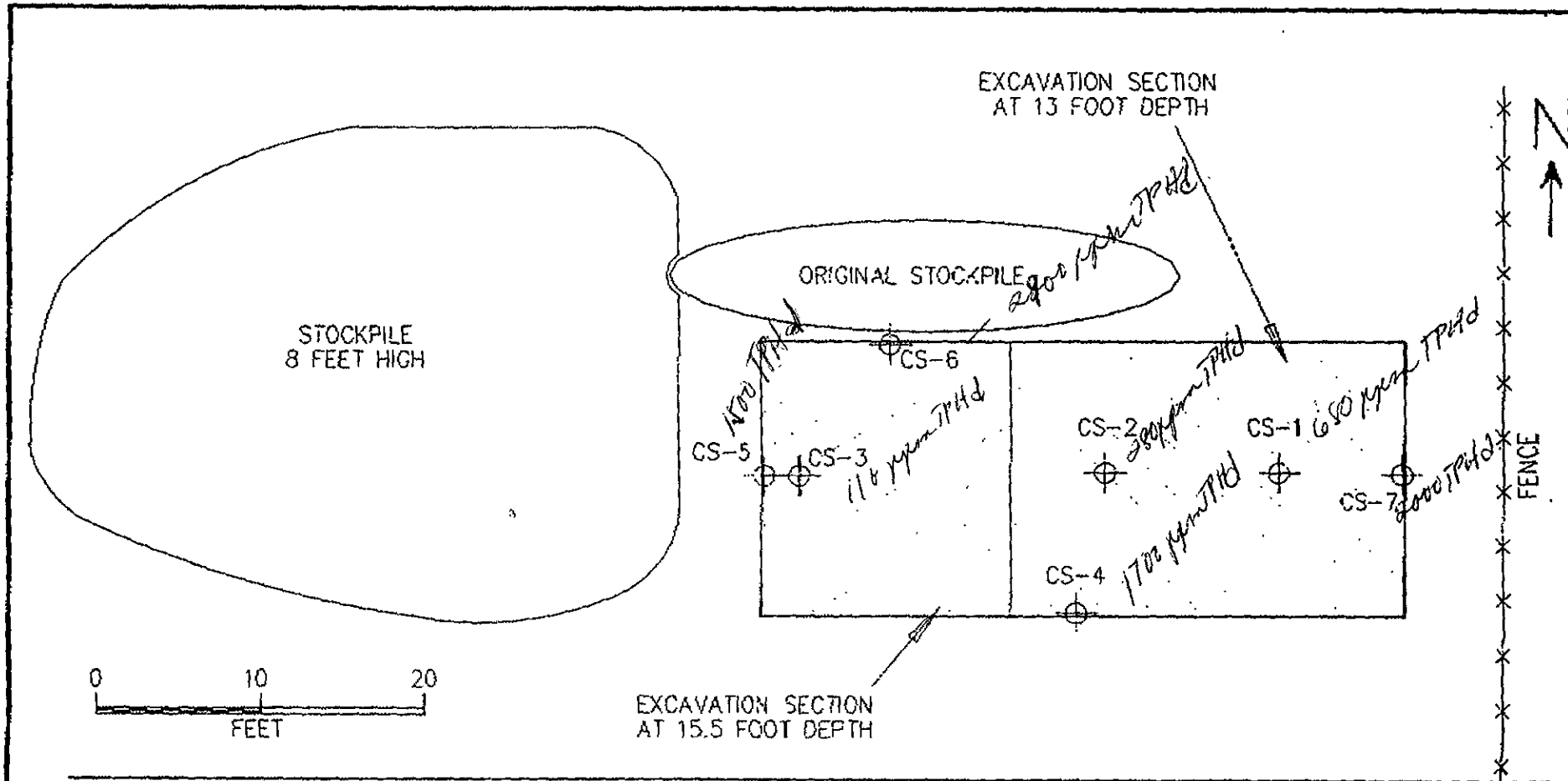
722 FOLGER AVENUE - BERKELEY, CA

JOB NUMBER
 727.001

DATE
 12/13/93

APPROVED
mm

PLATE
2



FOLGER AVENUE

NOTES:

- > Samples CS-1, CS-24 and CS-3 were taken from the excavation bottom at depths of 14.5 feet, 14.0 feet and 15.5 feet below grade, respectively.
- > Samples CS-4 through CS-7 were taken from the sidewalk at or approximate depth of 7 feet below grade.

COULTER STEEL (SCOTT CO.)
 722 FOLGER AVENUE
 BERKELEY, CALIFORNIA

Sample Log#: 3681

DATE: 12/19/1991

SCALE 1:120



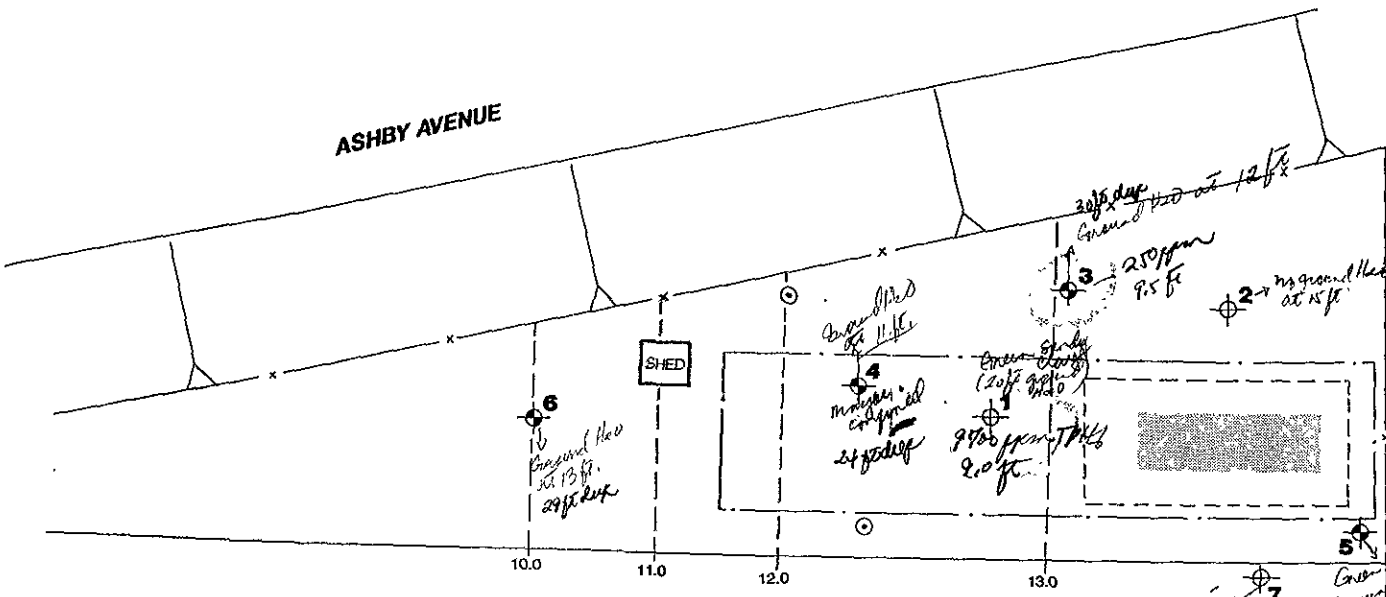
Western Environmental
 Science & Technology

1046 Olive Drive #3, Davis, CA 95616

Phone: (916) 753-9500

Drawn by: TGT

ASHBY AVENUE

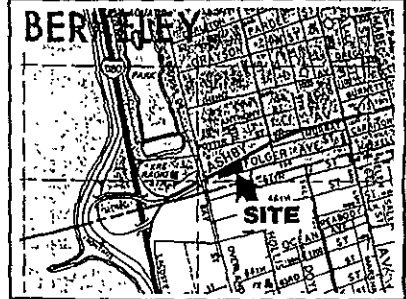


CITY SURVEY MONUMENT

FOLGER AVENUE

1494 67th STREET WAREHOUSE

722 FOLGER AVENUE



VICINITY MAP

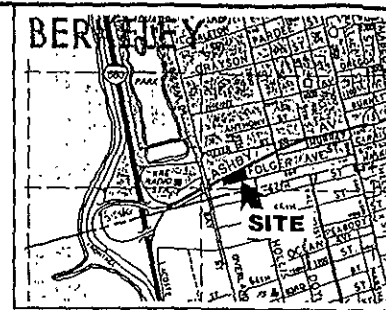
- TEST BORING
- MONITORING WELL
- PROPOSED WELL LOCATION
- EXISTING EXCAVATION
- FENCE
- PREVIOUS TANK LOCATION
- GROUNDWATER FLOW CONTOURS (feet) 7/1/92
- PROPOSED LIMIT OF EXCAVATION



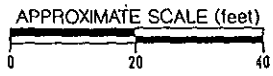
SITE PLAN

Subsurface Consultants	722 FOLGER AVENUE - BERKELEY, CA		PLATE
	JOB NUMBER 727.001	DATE	APPROVED

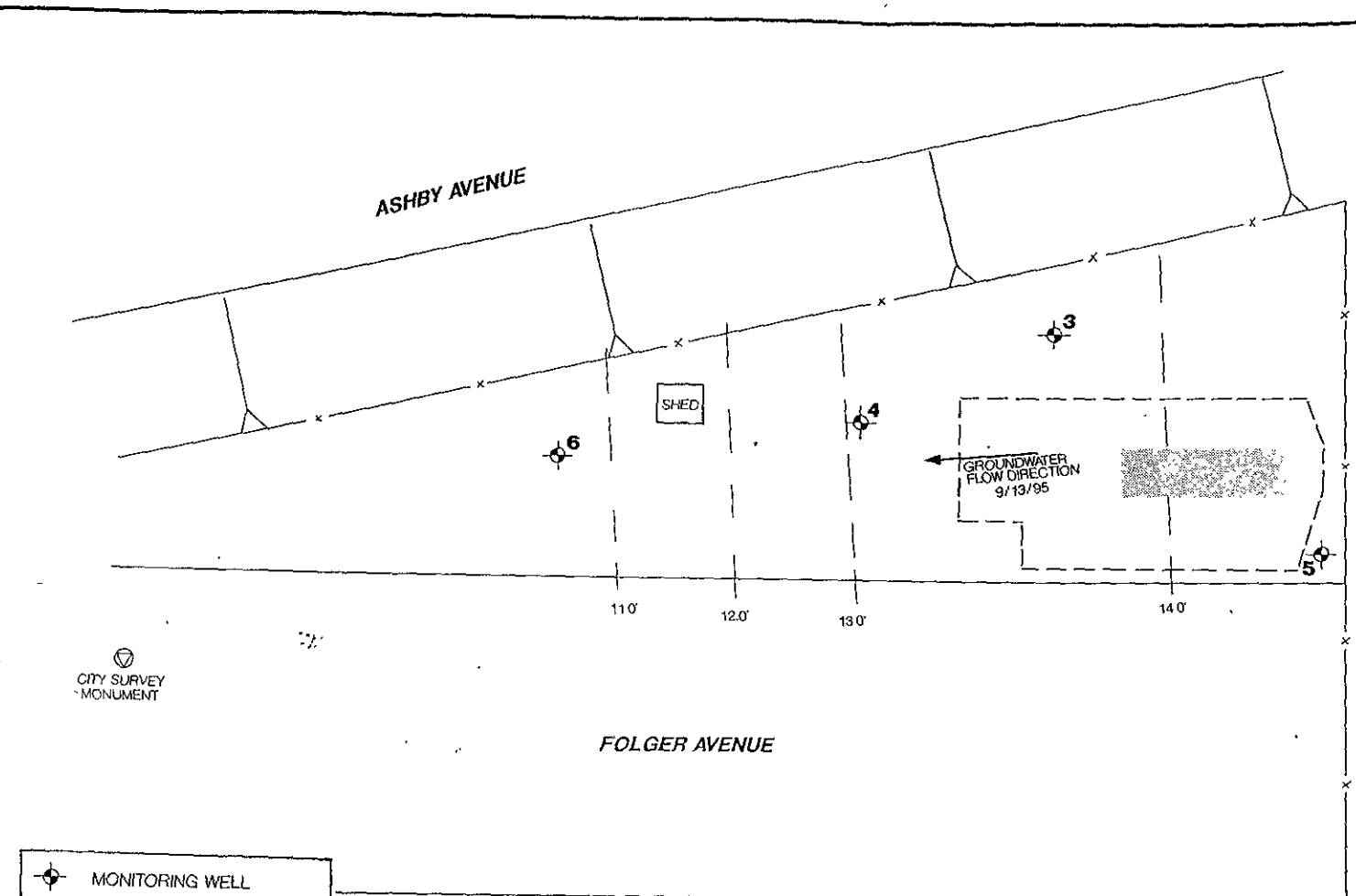
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





VICINITY MAP



SITE PLAN



-  MONITORING WELL
-  EXTENT OF EXCAVATION
-  FENCE
-  PREVIOUS TANK LOCATION
-  GROUNDWATER FLOW CONTOURS (feet)

722 FOLGER AVENUE

Subsurface Consultants

722 FOLGER AVENUE - BERKELEY, CA			PLATE
JOB NUMBER	DATE	APPROVED	1
727 001	10/6/95		