

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY  
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, Assistant Agency Director

ALAMEDA COUNTY CC4580  
DEPT. OF ENVIRONMENTAL HEALTH  
ENVIRONMENTAL PROTECTION DIVISION  
1131 HARBOR BAY PKWY., #250  
ALAMEDA CA 94502-6577

November 4, 1994  
STID 1686

REMEDIAL ACTION COMPLETION CERTIFICATION

Mr. Tad Tassone  
Clementina, Ltd.  
2177 Jerold Avenue  
San Francisco, California 94124

RE: Former Clementina, Ltd.  
5521 Doyle Street, Emeryville, California 94608

Dear Mr. Tassone:

This letter confirms the completion of site investigation and remedial action for the two underground storage tanks ( 1 - 6000 gallon diesel and 1 - 6000 gallon gasoline ) at the above described location.

Based upon the available information 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, Division 3, Chapter 16, Section 2721(e) of the California Code of Regulations.

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

Sincerely,

Rafat A. Shahid, Director

cc: Edgar B. Howell, Chief, Environmental Protection Div.- files  
Kevin Graves, RWQCB  
Mike Harper, SWRCB  
Ron Silberman, 5743 Landregan Street, Emeryville, CA 94608

CASE CLOSURE SUMMARY  
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: October 11, 1994

Agency name: Alameda County-HazMat Address: 1131 Harbor Bay Parkway  
City/State/Zip: Alameda, CA 94502 Phone: (510) 567-6700  
Responsible staff person: Susan Hugo Title: Sr. Haz. Materials Spec.

II. CASE INFORMATION

Site facility name: CLEMENTINA, LTD.  
Site facility address: 5521 Doyle Street, Emeryville, California 94608  
RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 1686  
URF filing date: 2/18/93 SWEEPS No: N/A

<u>Responsible Parties:</u>	<u>Addresses:</u>	<u>Phone Numbers:</u>
Clementina, Ltd. c/o Mr. Tad Tassone	2177 Jerold Avenue San Francisco, CA 94124	(415) 282-7290

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	6000	gasoline	Removed	12-10-92
2	6000	diesel	Removed	12-10-92

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: Diesel tank may have leaked (pin holes found at the reinforced rib during removal)

Site characterization complete? YES  
Date approved by oversight agency: 4/26/93  
Monitoring Wells installed? YES Number: One (1)  
Proper screened interval? YES  
Highest GW depth below ground surface: 9.1 ft. Lowest depth: 11.5 ft.  
Flow direction: Westerly to south westerly based on regional flow and groundwater data from four neighboring sites  
Most sensitive current use: Unknown  
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): NA

Report(s) on file? YES Where is report(s) filed? Alameda County  
1131 Harbor Bay Parkway, Alameda CA 94602-6577

Treatment and Disposal of Affected Material:

<u>Material</u>	<u>Amount (include units)</u>	<u>Action (Treatment of Disposal w/destination)</u>	<u>Date</u>
Tank	2 - 6,000 gal	Erickson - Richmond, CA	12/10/92
Piping	NA		
Free Product	NA		
Soil	NA		
Groundwater	18,000 gal.	Disposed into storm drain	3/26/93
Barrels	NA		

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<1	ND	* ND<50	ND
TPH (Diesel)	ND<10	ND	* 1200	ND
Benzene	ND<.003	ND	* ND<.3	ND
Toluene	** .005	.005	* ND<.3	ND
Xylene	** .007	.007	* ND<.3	ND
Ethylbenzene	ND<.003	ND	* ND<.3	ND
Oil & Grease	-	-	-	-
Heavy metals (Total Pb)	7	7	-	-
Other Semi-volatiles	-	-	-	-

\*\* Stockpile soil sample \* Grab groundwater sample

Comments (Depth of Remediation, etc.):

Two 6000 gallon, fiberglass underground tanks used to store gasoline and diesel were removed in December 10, 1992. A pin hole at the reinforced rib of the diesel tank was present. Light sheen was observed in the water present in the pit. Four soil samples collected at approximately 13 feet depth ( one from each end of the tanks) showed non detectable levels of TPH gasoline, TPH diesel, benzene, toluene, ethyl benzene, and xylene. The groundwater from the excavation pit was pumped out and stored in two holding tanks (10,000 gallon and 8,000 gallon). Recharged groundwater was sampled and found 1200 ppb TPH diesel but non detect for TPH gasoline and BTEX. Approximately 16,000 gallon of water was pumped out from the excavation pit and stored in the two holding tanks. Groundwater samples from the holding tanks detected TPH diesel (720 ppb), TPH gasoline (220 ppb), benzene (1.1 ppb), toluene (1.2 ppb), ethyl benzene (1.0 ppb) and xylene ( 22 ppb). The water was discharged into the storm drain on 3/26/93 with RQWCB's and City of Emeryville Public Works' approval.

One monitoring well was installed in 4/29/93 within ten feet of the former tank area in the downgradient location (based on regional groundwater flow direction and groundwater data from four neighboring sites). Groundwater was sampled for four events ( 5/12/93, 8/4/93, 11/3/93 2/16/94) and showed non detect for all target compounds.

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: NA  
Should corrective action be reviewed if land use changes? NO  
Monitoring wells Decommissioned: NO (will be decommissioned upon closure)  
Number Decommissioned: NA Number Retained: 1  
List enforcement actions taken: NA  
List enforcement actions rescinded: NA

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Susan L. Hugo Title: Sr. Hazardous Materials Specialist  
Signature: *Susan L. Hugo* Date: October 6, 1994

Reviewed by  
Name: Barney Chan Title: Hazardous Materials Specialist  
Signature: *Barney Chan* Date: October 7, 1994

Name: Thomas Peacock Title: Sup. Hazardous Materials Specialist  
Signature: *Thomas Peacock* Date: October 7, 1994

VI. RWQCB NOTIFICATION

Date Submitted to RB: RB Response: *Approved*  
RWQCB Staff Name: Kevin Graves Title: Water Resources Control Engineer  
Signature: *K Graves* Date: *11/1/94*

VII. ADDITIONAL COMMENTS, DATA, ETC.

Aggressive source removal has occurred at this site. The potential beneficial uses of groundwater do not appear to be threatened to a significant extent from the release that occurred at the site associated with the former tanks.

SUMMARY OF FINDINGS

Ground water was observed/recorded at a depth of 9.1 feet below the ground surface.

The analytical testing did not detect Total Petroleum Hydrocarbons as gasoline, Total Petroleum Hydrocarbons as diesel, or Volatile Aromatic Compounds (Benzene, Toluene, Ethyl Benzene, or Xylenes) in the ground water sample obtained from Monitoring Well MW-1. Tables 1 and 2 summarize the current analytical test results along with the results of the previous analytical testing.

TABLE 1

SUMMARY OF GROUND WATER ANALYTICAL TEST DATA

<u>Date Sampled</u>	<u>Total Petroleum Hydrocarbons</u> <i>gas</i>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl-Benzene</u>	<u>Total Xylenes</u>
5-12-93	ND	N.D.	N.D.	N.D.	N.D.
8-04-93	ND	N.D.	N.D.	N.D.	N.D.
11-03-93	ND	N.D.	N.D.	N.D.	N.D.
2-16-94	ND	N.D.	N.D.	N.D.	N.D.

Note: Total Petroleum Hydrocarbons reported as gasoline  
 N.D. indicates non-detectable concentrations

TABLE 2

SUMMARY OF GROUND WATER ANALYTICAL TEST DATA

<u>Date Sampled</u>	<u>Total Petroleum Hydrocarbons</u> <i>diesel</i>	<u>DTW</u>
5-12-93	ND	11.5 ft
8-04-93	ND	10.3 ft
11-03-93	ND	10.3 ft
2-16-94	ND	9.1 ft

Note: Total Petroleum Hydrocarbons reported as diesel  
 N.D. indicates non-detectable concentrations

### GROUND WATER GRADIENT DATA REVIEW

Local ground water data (direction of flow and gradient) was obtained from the site characterization investigation reports for:

Former Chevron Asphalt Plant & Terminal	1520 Powell Street
Hollis Street Project	6050 Hollis
Del Monte Plant	4204 Hollis/1250 Park
Sherwin Williams	Sherwin & Horton

Ground water data, including direction of ground water flow, have been obtained from the consultant's reports for these facilities which indicates that the direction of ground water flow in the vicinity of the project site is westerly to southwesterly as indicated on Figure 3. Temescal Creek appears to have a local influence on the ground water conditions and the variations in flow direction across the creek indicate that the shallow water has a flow component towards the creek.

Based on the information derived from the reports for these sites it was determined that the direction of ground water flow in the immediate vicinity of the project site is in a southwesterly direction as indicated on Figures 3 and 4.

### SUBSURFACE INVESTIGATION

A Monitoring Well Permit was obtained from the Alameda County Flood Control and Water Conservation District (Zone 7) prior to drilling the boring (attached as Figure 5). One exploration boring was advanced in the "down-gradient" direction of the former underground storage tanks (see Figure 4) to characterize the underlying soils conditions and for construction of a monitoring well. The boring was drilled by West Hazmat Drilling, a State of California Licensed Drilling Contractor, C57 License No. 554979 and was logged under the supervision of a State of California Certified Engineering Geologist.

The boring was advanced using an eight (8) inch, nominal diameter, continuous flight hollow stem auger. Soil samples were obtained from the borings at five foot intervals through the use of a 2-inch I.D. split-barrel sampler. The sampler was advanced into the undisturbed soil ahead of the auger to obtain a core sample. Pre-cleaned brass liners were placed in the sampler to retain the soil. The drill cuttings and soil samples obtained from the borings were monitored during drilling to observe moisture changes in the soils and to determine the depth of the first saturated zone.

ERYVILLE  
Piles

FORMER CHEVRON ASPHALT  
PLANT & TERMINAL

HOLLIS STREET  
PROJECT

Hawley  
Sch

Golden  
Jr Hig

PROJECT SITE AND  
INFERRED DIRECTION  
OF GROUND WATER FLOW

Pile

SHERWIN WILLIAMS SITE

Emer  
High Sch

FORMER DEL MONTE  
PLANT

Mud

Mud

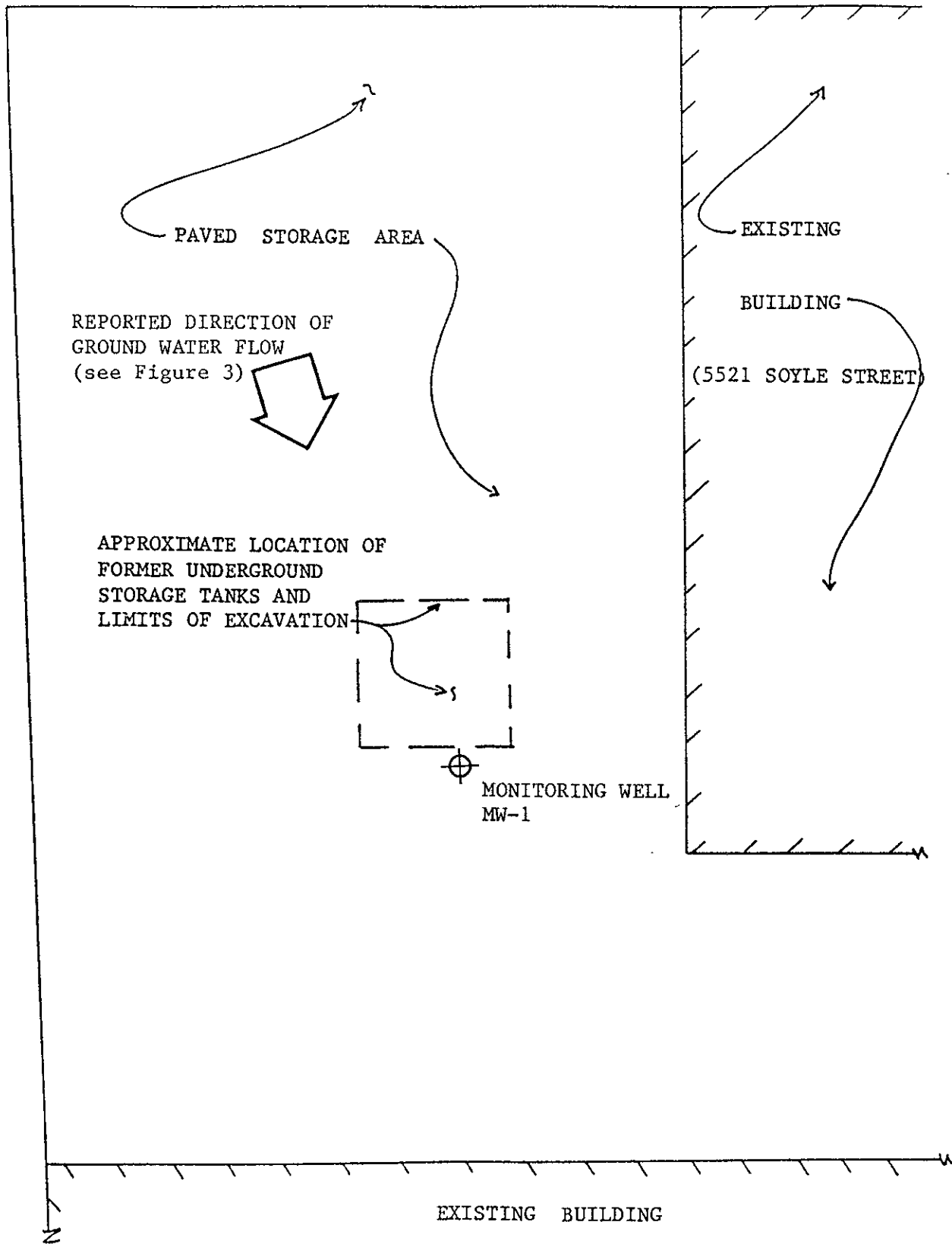
LANE

S LANE

GeoPlexus, Inc.

CLEMENTINA EQUIPMENT		
DATE 3/15/93	SCALE 1"=1000'	DRAWN BY deg
LOCAL GROUND WATER FLOW		
		Figure 3

STANFORD AVENUE



REPORTED DIRECTION OF GROUND WATER FLOW (see Figure 3)

PAVED STORAGE AREA

APPROXIMATE LOCATION OF FORMER UNDERGROUND STORAGE TANKS AND LIMITS OF EXCAVATION

MONITORING WELL MW-1

EXISTING

BUILDING

(5521 SOYLE STREET)

EXISTING BUILDING

CLEMENTINA PROPERTY

DATE 5/3/93

SCALE 1"=20'

DRAWN BY dcg

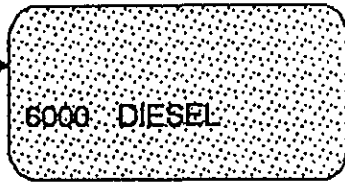
MONITORING WELL LOCATION

Figure 4



BUILDING & WAREHOUSE

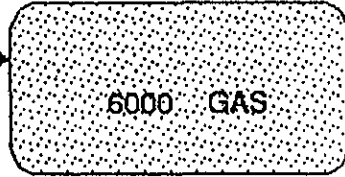
#2-D-SE-13'



#1-D-SW-13'

DOYLE STREET

#4-G-NE-13'



#3-G-NW-13'

STANFORD STREET

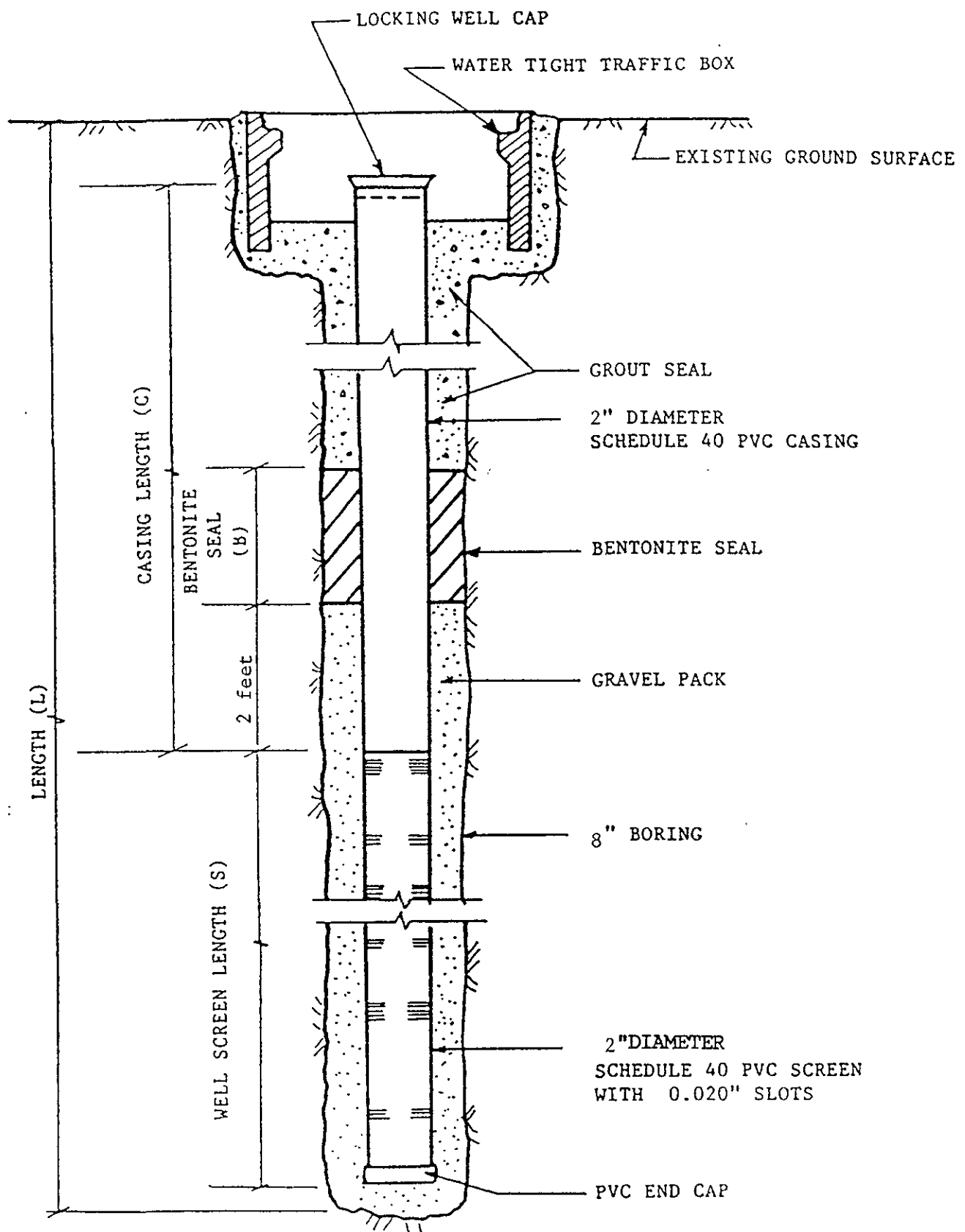


SEMCO

5521 DOYLE STREET  
EMERYVILLE

# SUBSURFACE DATA LOG

DRY DENSITY (lbs cu. ft.)	MOISTURE (% of dry wt.)	"N" VALUE (blows/ft.)	OVM READING (ppm)	SAMPLE TYPE	DEPTH (ft.)	LOG	U.S.C.
							LOG No. <u>MW-1</u> DATE: <u>4/29/93</u> LOCATION: <u>Clementina Equipment</u> EQUIPMENT: <u>5521 Doyle Street, Emeryville</u> PROJECT No. _____
							4" AC/6" Aggregate Base
						SM	SILTY SAND, dark gray, moist, medium dense
	21	n/a	S1	5			
						SM	SILTY SAND WITH GRAVEL, orange-brown, moist, dense
	19	n/a	S2	10		SP	GRAVELLY SAND, orange-brown, saturated, dense Sample S2 not retained due to high gravel/void content.
	14	n/a	S3	15		SM	SILTY SAND, mottled orange-brown, moist, dense
					20		Boring terminated at 17 feet. Ground water encountered at 14 feet and stabilized at 11.5 feet. 2-inch diameter monitoring well constructed.



L= 17 feet  
 S= 10 feet  
 C= 7 feet  
 B= 1 foot

MONITORING WELL MW-1		
DATE 4/29/93	SCALE n/a	DRAWN BY dcg
CLEMENTINA PROPERTY		
		Figure 7