

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

December 27, 1996

STID 5581

REMEDIAL ACTION COMPLETION CERTIFICATION

Mr. John Piggott  
Wilanco, Inc.  
P.O. Box 8117  
Berkeley, CA 94707

Re: Wilanco, Inc., 1081-1085 Eastshore Hwy., Albany, CA 94710

Dear Mr. Piggott,

This letter confirms the completion of site investigation and remedial action for the six underground storage tanks (USTs) formerly located at the above described location (three 12,000-gallon diesel USTs, two 500-gallon gasoline USTs, and one 2,000-gallon gasoline UST). 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 underground storage tank 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 land use, structural configuration, or site activities are proposed such that more conservative exposure scenarios should be evaluated, the owner must promptly notify this agency.

Please telephone Juliet Shin at (510) 567-6700 if you have any questions regarding this matter.

Sincerely,

Mee Ling Tung  
Director of Environmental Health Services

enclosure

c: Acting Chief, Hazardous Materials Division - files  
Juliet Shin, ACDEH  
Kevin Graves, RWQCB  
Lori Casias, SWRCB

★ 01-2171

CASE CLOSURE SUMMARY  
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: 8/7/96

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

II. CASE INFORMATION

Site facility name: Wilanco, Inc.  
Site facility address: 1081-1085 Eastshore Hwy., Albany, CA 94710  
RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 5581  
URF filing date: 08/13/92 SWEEPS No: N/A

<u>Responsible Parties:</u>	<u>Addresses:</u>	<u>Phone Numbers:</u>
Mr. John Piggott Wilanco, Inc.	P.O. Box 8117 Berkeley, CA 94707	510-525-3750

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	12,000	diesel	removed	5/7/92
2	12,000	diesel	removed	5/7/92
3	12,000	diesel	removed	5/7/92
4	500	gasoline	removed	5/6-13/92
5	500	gasoline	removed	"
6	2,000	gasoline	removed	"
7	piping	diesel	removed	"

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: Unknown

Site characterization complete? YES

Date approved by oversight agency: August 7, 1996

Monitoring Wells installed? Yes Number: One well installed at the site, MW-4, and one already existing on-site well, MW-L, were regularly sampled.

Proper screened interval? Yes. MW-4 is screened from 5- to 14.5-foot bgs. Well MW-L is screened from ~5- to 10-foot bgs.

Highest GW depth below ground surface: 4.92ft Lowest depth: 8.96ft

Leaking Underground Fuel Storage Tank Program

Flow direction: southwest

Most sensitive current use: Unknown

Are drinking water wells affected? NO Aquifer name: Bay Mud/fill

Is surface water affected? NO Nearest affected SW name: None

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

Treatment and Disposal of Affected Material:

<u>Material</u>	<u>Amount</u> (include units)	<u>Action (Treatment</u> <u>or Disposal w/destination)</u>	<u>Date</u>
Tanks	Six tanks	Erickson, Inc. 255 Parr Blvd. Richmond, CA 94801	5/07/93
Soil	~162 yards	Redwood Landfill Novato, CA	6/08/93

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued)  
Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before <sup>5</sup>	After <sup>7</sup>
TPH (Gas)	250 <sup>1</sup>	2 <sup>3</sup>	20,000	ND
TPH (Diesel)	80 <sup>2</sup>	6 <sup>4</sup>	ND	680*
Kerosene	ND	ND	NA	NA
Benzene	0.15 <sup>1</sup>	ND	140	0.68
Toluene	ND	ND	410	0.67
Xylene	3.1 <sup>1</sup>	ND	2,900	2.1
Ethylbenzene	4.2 <sup>1</sup>	0.012 <sup>3</sup>	510	0.65
Total Lead	ND	ND	10 <sup>6</sup>	4 <sup>8</sup>
Organic Lead	ND	ND	ND	ND

<sup>1</sup>-From Sample TC2C

<sup>2</sup>-From Sample TC1C

<sup>3</sup>-From Sample TP2-1

<sup>4</sup>-From Sample TC1G

<sup>5</sup>-From "Grab" Groundwater Sample TC-2

<sup>6</sup>-From "Grab" Groundwater Sample T6

<sup>7</sup>-From 7/8/96 sample from Well MW-4

<sup>8</sup>-From "Grab" Groundwater Sample TC2-1

\*-Reportedly does not match the diesel standard used in the laboratory

Leaking Underground Fuel Storage Tank Program

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? **NO**

Monitoring wells Decommissioned: ~~NO - Will be decommissioned upon receipt of case closure.~~ *Well MW-4 decommissioned in December '96. Juliet Shin 12/16/96*

Number Decommissioned: *remaining wells exist as part of investigations at neighboring site* Number Retained: *None. Other*  
List enforcement actions taken: **None**

List enforcement actions rescinded:

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Juliet Shin Title: Senior HMS  
Signature: *Juliet Shin* Date: *9/10/96*

Reviewed by  
Name: Eva Chu Title: Hazardous Materials Specialist  
Signature: *Eva Chu* Date: *8/22/96*

Name: Thomas Peacock Title: Supervising HMS  
Signature: *Thomas Peacock* Date: *9-10-96*

VI. RWQCB NOTIFICATION

Date Submitted to RB: RB Response: *Approved*  
RWQCB Staff Name: Kevin Graves Title: *Sen. Engineering Asso.* Date:

VII. ADDITIONAL COMMENTS, DATA, ETC. *K. Graves 10-10-96*

In May 1992, three 12,000-gallon diesel underground storage tanks (USTs) (Tanks #1, #2, and #3), two 500-gallon gasoline USTs (Tank #4 and #6), and one 2,000-gallon gasoline UST (Tank #5) were removed from the above site. Tanks #1 through #3 were located in Tank Pit #1, tanks #4 and #5 were located in Tank Pit #2, and Tank #6 was located in Tank Pit #3. Seven

## Leaking Underground Fuel Storage Tank Program

soil samples were collected from Tank Pit #1, three soil samples were collected from Tank Pit #2, and two soil samples were collected from Tank Pit #3. Soil samples collected from the Tank Pit #1 were analyzed for Total Petroleum Hydrocarbons as diesel (TPHd), benzene, toluene, ethylbenzene, and total xylenes (BTEX), and soil samples collected from the other two pits were analyzed for Total Lead, organic lead, TPH as gasoline (TPHg), and BTEX. Analysis of these soil samples identified up to 80 parts per million (ppm) Total Petroleum Hydrocarbons as diesel (TPHd) in Tank Pit #1 and 250 ppm Total Petroleum Hydrocarbons as gasoline (TPHg) in Tank Pit #2. Consequently, these "hot spots" were further excavated and the confirmatory soil sample collected from Tank Pit #1 identified only 6ppm TPHd and the confirmatory soil sample from Tank Pit #2 identified 2ppm TPHg.

Two rounds of "grab" groundwater samples were collected from the tank pits at the site in 1992. The first round of "grab" groundwater samples were collected from Tank Pit #2 and Tank Pit #3 on May 6, 1992. Analysis of these water samples identified up to 20,000 parts per billion (ppb) TPHg and 140ppb benzene in Tank Pit #2, and 530 ppb TPHg and 1 ppb benzene in Tank Pit #3. Groundwater was pumped from these tank pits and a second round of "grab" groundwater samples were collected on May 12, 1992. This time a sample was also collected from Tank Pit #1. Analysis of these water samples identified up to 3,400 ppb TPHd in Tank Pit #1, up to 3,800 ppb TPHg and 68ppb benzene in Tank Pit #2, and 160ppb TPHg in Tank Pit #3. Benzene is a known carcinogen and the drinking water standard for benzene is 1 ppb.

On October 12, 1995, one monitoring well, MW-4 was installed immediately downgradient of Tank Pit #2 at the site. This well is screened from roughly 5- to 14.5-feet below ground surface (bgs). Soil types observed in Well MW-4 included fill material down to approximately 6-feet bgs, containing crushed bricks, asphalt, glass bottle bottoms, etc., and clay down to the bottom of the boring, which included layers containing vegetation fragments and brown root hairs.

Well MW-4, along with an already existing monitoring well MW-L (downgradient of Tank Pit #1), have been sampled for four consecutive quarters. Water levels were regularly collected from these wells along with two additional existing wells, MW-K and MW-N, to calculate quarterly groundwater flow directions.

The highest concentrations of TPH identified during the four quarters of monitoring in Wells MW-4 and MW-L are 680ppb TPHd, 0.68ppb benzene, 0.67ppb toluene, 0.65ppb ethylbenzene, and 2.1ppb total xylenes. The TPH identified does not reportedly match the diesel standard used in the laboratory.

## Leaking Fuel Underground Storage Tank Program

In summary, the site is being recommended for closure, based on the following:

- Wells MW-4 and MW-L are located immediately downgradient of the two former Tank Pits 1 & 2, and to date, very low to nondetect levels have been identified in the groundwater samples collected from these wells.
- Benzene levels are NonDetect to below drinking water standards, and it is highly unlikely that the groundwater beneath this site will ever be used for drinking purposes due to its proximity to the Bay.
- There appears to be no apparent human health threat resulting from the low levels of BTEX remaining in the groundwater, per the American Society of Testing and Materials' Risk-Based Corrective Action guidelines.
- Only low contaminant levels, which appear to be protective of human health, remain in the soil.

Juliet Shin  
 July 30, 1996  
 Page 3

Groundwater samples were collected directly from the end of the pump discharge tubing with the pump discharging at a rate of less than one liter per minute. Groundwater samples for TPH-D analysis were collected in one liter amber glass bottles. Groundwater samples for TPH-G plus BTEX were collected in 40-mL glass vials with Teflon™ septum lids.

Groundwater sample bottles were labeled and placed in an ice chest with 2 Liter plastic bottles containing ice. Chain-of-Custody forms were filled out and were delivered with the ice chest to Chromalab, Inc. of Pleasanton, California, a state certified laboratory.

Copies of the laboratory report and Chain-of-Custody documentation are contained in Attachment B. On the Chain-of-Custody Chromalab was instructed to perform a "silica gel cleanup" as requested by ACHCSA in the letter dated May 22, 1996.

The current and the previously reported groundwater sample analytical results are summarized below.

All concentrations are expressed in micrograms per liter (µg/L).

Well	TPH-D	TPH-G	Benzene	Toluene	Ethylbenzene	Total Xylenes
------	-------	-------	---------	---------	--------------	---------------

MW-4

10/17/95	440*	<50	<0.5	<0.5	<0.5	<0.5
----------	------	-----	------	------	------	------

\* Superior Analytical reports all compounds from C10-C25 as Diesel.

01/11/96	<50	<50	<0.5	<0.5	<0.5	<0.5
----------	-----	-----	------	------	------	------

Chromalab reported 460 µg/L unknown hydrocarbons in the diesel range.

04/10/96	630	<50	<0.5	<0.5	<0.5	<0.5
----------	-----	-----	------	------	------	------

Chromalab reported 630 µg/L, but not matching their diesel standard. See also the attached April 4, 1996 letter.

07/08/96	680 ✓	<50	0.68 ✓	0.67 ✓	0.65 ✓	2.1 ✓
----------	-------	-----	--------	--------	--------	-------

Chromalab reported 680 µg/L in the late Diesel range, but not matching their diesel standard.

MW-L

10/17/95	180*	<50	1.3	<0.5	0.6	0.5
----------	------	-----	-----	------	-----	-----

\* Superior Analytical reports all compounds from C10-C25 as Diesel.

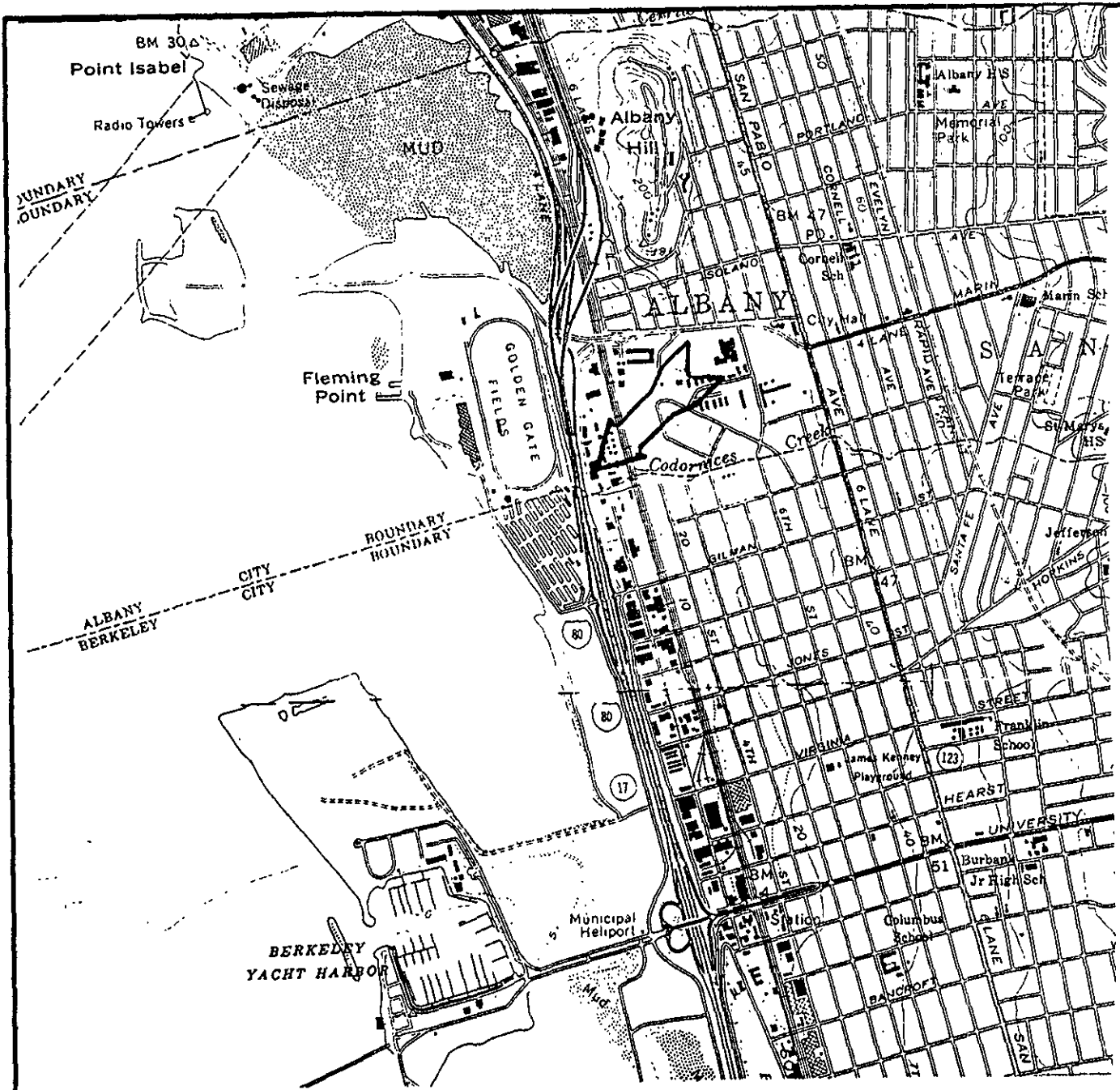
01/11/96	<50	<50	<0.5	<0.5	<0.5	<0.5
----------	-----	-----	------	------	------	------

04/10/96	<50	<50	<0.5	<0.5	<0.5	<0.5
----------	-----	-----	------	------	------	------

07/08/96	150 ✓	<50	<0.5	<0.5	<0.5	0.62 ✓
----------	-------	-----	------	------	------	--------

Chromalab reported 150 µg/L in the late Diesel range, but not matching their diesel standard.

the current groundwater samples from both monitoring wells MW-L and MW-4 were found not to contain detectable concentrations of gasoline range petroleum hydrocarbons (TPH-Gasoline). Monitoring well MW-L was found not to contain detectable concentrations of Benzene, Toluene, or Ethylbenzene, but did contain 0.62 micrograms per liter



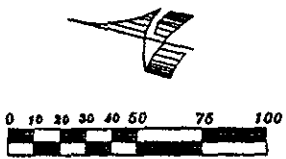
Base from U.S. Geological Survey Richmond and Oakland West 7.5 Minute Series Topographic Maps

**H<sub>2</sub>OGEOL**  
A GROUND WATER CONSULTANCY

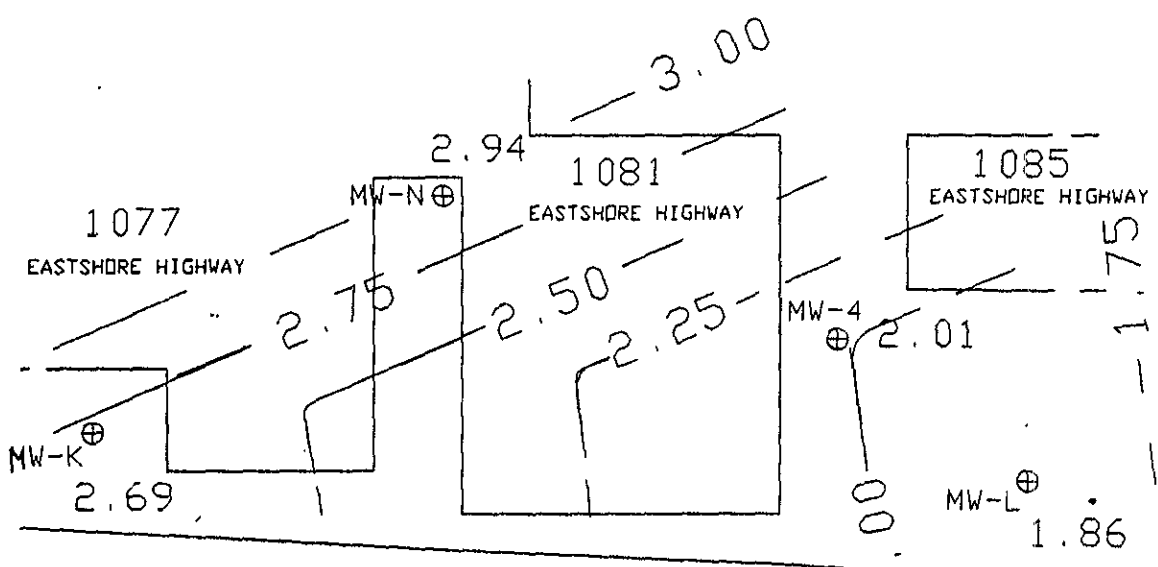
**SITE LOCATION MAP**  
**1081-1086 EASTSHORE HIGHWAY**  
**ALBANY, CALIFORNIA**

**FIGURE**  
**1**





MW-N Monitoring Well name/Number  
 ⊕ Monitoring Well Location  
 2.94 Groundwater Surface Elevation at monitoring well  
 — 3.00 Potentiometric Surface Contour and Contour Elevation



EASTSHORE FRONTAGE ROAD  
 (1081-1085 Eastshore Hwy)

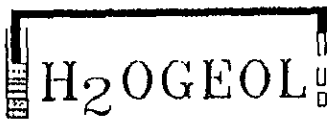
GRADIENT = 0.00530 Feet/Foot

DIRECTION OF GRADIENT = S 16.4°W  
 (Approximate groundwater flow direction, uncorrected for hydraulic conductivity anisotropy).



POTENTIOMETRIC SURFACE MAP  
 OCTOBER 17, 1996  
 1077-1085 EASTSHORE HIGHWAY  
 ALBANY, CALIFORNIA

FIGURE  
 2



A GROUND WATER CONSULTANCY

# BOREHOLE LITHOLOGIC LOG

BOREHOLE No. MW-4 Sheet 1 of 1

Project No.:	Date: 10/11-12/95	Drilling Co. ASE Drilling	Drill Model Iwan Auger
Client: Wilanco, Inc.		Drilling Method - Hand Operation	Borehole Diameter 6.25-in
Location: 1077 Eastshore Frontage Road		Ground Surface Elevation 11.1	Datum: ground surface
Albany, California		Borehole MW-4 was completed as a monitoring well MW-4	
Logged by: GDL	Driller: RCV/GDL		

Water Level	Dry, > 5.6 Ft.	6.67 Ft.	
Time	7:30	9:49	
Date	10/12/95	10/17/95	

Sampling Blowcounts	PID/PO HNU/COVA reading	Depth test	Sample Soil Sample Number	Graphic Soil Symbol	USCS Soil Symbol	Field Soil Description
		1		Fill	Fill	Concrete Well completed with 12-inch traffic rated type cover. Baserock - sand, crushed rock, broken/crushed brick and asphalt Distinct horizontal asphalt layer .2 feet thick
		2		Fill	Fill	Dark olive 5Y 3/2 silty clay with gravel & brick.
		3		Fill	Fill	Dark olive 5Y 3/2 clayey sand, dry Neat Cement Grout
		4		Clay	Clay	Reddish brown 5YR 4/3 clayey sand, glass bottle bottoms at 3.2, & 3.8 Ft. Bentonite Seal
		5		Clay	Clay	Dark olive 5Y 3/2 / Reddish brown 5YR 4/3 gravelly, sandy clay with cast iron, brick and porcelain fragments at 6.2 feet.
		6		Clay	Clay	Dark olive 5Y 3/2 clayey sand, dry
		7	8.6-7 Ft.	CL	CL	First Encountered Water at 8.85 Feet. Hydrocarbon odor to water. ▽
		8		CL	CL	Dark olive gray 5Y 3/2 clay with abundant vegetation remains
		9		CL	CL	Beginning at 8.2 feet, increasing sand content with depth. to 9.3 feet
		10		CL	CL	Greenish gray 5GY 5/1 sandy clay with brown root hairs
		11		CL	CL	Greenish gray 5GY 5/1 clay
		12		CL	CL	Greenish gray 5GY 5/1 stiff clay LONESTAR No 3 Sand
		13		CL	CL	Black 7.5YR 2/6 silty clay with abundant vegetation fragments.
		14		CL	CL	Black 7.5YR 2/6 very stiff clay. Total Well Depth = 14.21 Feet (below reference mark)
		15				
		16				
		17				
		18				
		19				
		20				
		21				
		22				
		23				
		24				
		25				

2-inch PVC casing and screen, screen openings = 0.020 inch

Total Depth 14.7 (below grade)

Total Well Depth = 14.21 Feet (below reference mark)





AQUA RESOURCES, INC.

### OBSERVATION WELL INSTALLATION REPORT

Observation Well No. L

Project Sierra Diesel

Location \_\_\_\_\_

Type of Rig Drillow Steer Installed By Hoban Co. Ver

Date Dec 12 Time 9:30

Method of Installation Boring advanced to 15'. Annulars withdrawn. 1" sand bentonite pellets added to plug bottom. 1" lost casing and 3" sand. Filter pack placed inside auger. After auger removed, 1/2" seal placed.

#### LOG OF BORING AND OBSERVATION WELL

BORING			OBSERVATION WELL	
Depth in ft.	Cased Interval	Description	Type of Observation Well	Ground Elev. _____
25		4" asphalt		Casing Top, Elev. _____
		10" gravel		
		2" sand		
30		24" <u>bentonite</u> clay		
		Bay Mud to 15'		
35		Total depth of well 15'		
40				

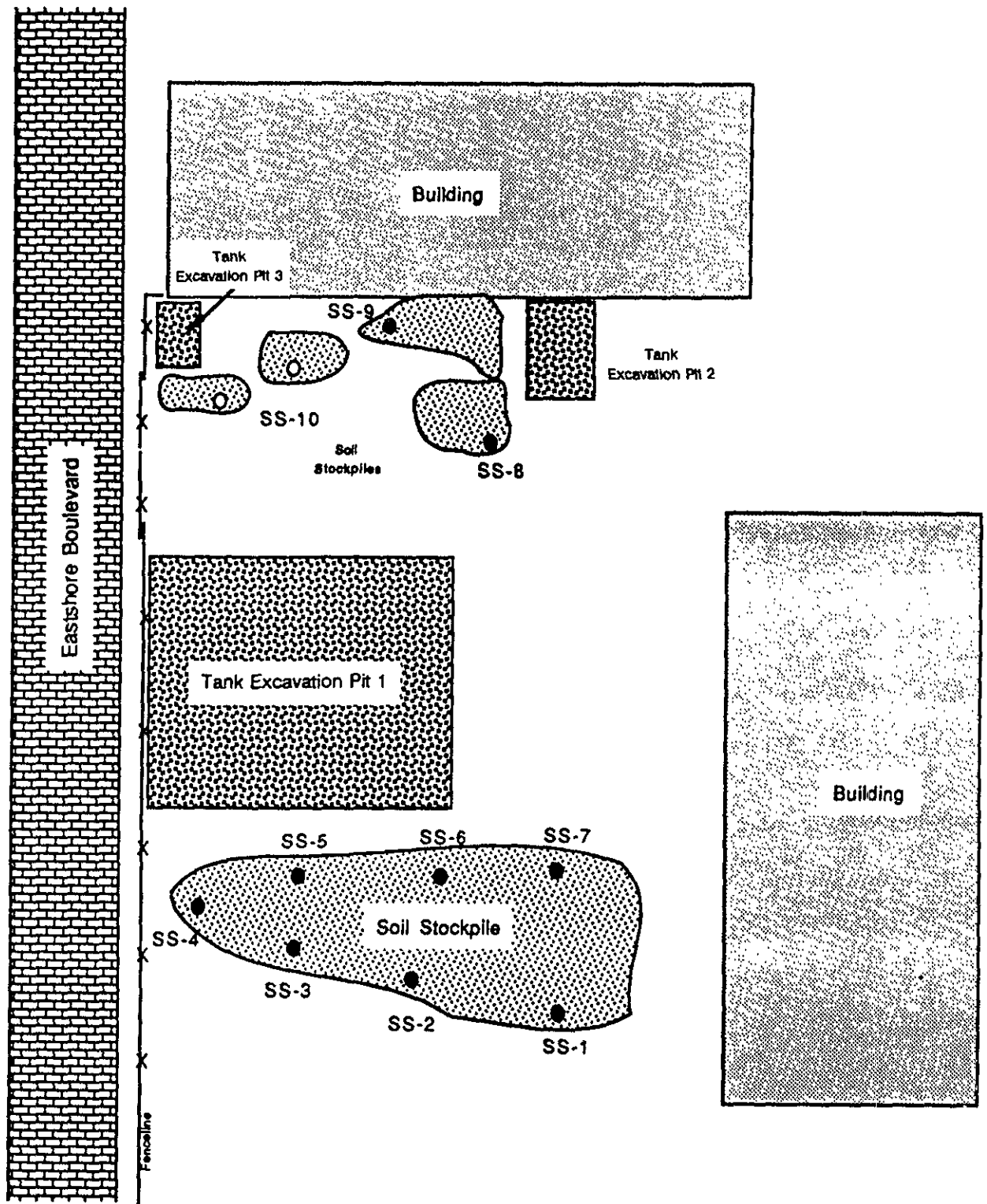
The diagram shows a vertical cross-section of the well. At the top is a Vented Cap. Below it is a 2" ID. Riser Pipe made of Sch. 40 PVC. The riser pipe is surrounded by backfill (ID. N.A.). Below the backfill is a seal material (grout). The casing has a diameter of 3" and a tip diameter of 2". The filter material is 1/2" sand. The size of openings is 0.02". The diameter of the casing is 3" and the diameter of the boring is also indicated.

Remarks bottom of the well sealed with 1' of bentonite

2) Water level 5.5 ft measured from top of casing (Approximate value)

CLIENT Williams & Lane/SDDA TEST HOLE NUMBER R  
 LOCATION 1077 Eastshore Hwy., Albany DATE 6/10/86  
 SURFACE ELEVATION 11.43 DEPTH TO WATER 6'  
 HOLE DIAMETER 8 Inches DRILLING METHOD Hollow Stem Auger  
 DRILLER Aqua Science Engineers GEOLOGIST K. Chesick/W. Siler

WELL CONSTRUCTION		DEPTH (Feet)	GEOLOGIC LOG		
			Lithologic Description	Sample	Blow Counts per 6" Depth (Standard Hammer)
Cement grout (0-2 ft)	2" ID Schedule 40 PVC Casing (0-4 ft)	5.0	Damp crumbly brown green clay, minor sand and pebbles-wood fragments	Split Spoon	2-3-2
Bentonite Seal (2-3.5ft)			Damp crumbly grey clay with debris and minor pebbles		
Monterey Sand #3 (3.5-24ft)	OL	10.0	Moist black organic sandy silty clay heavy solvent odor		
	CL	15.0	Saturated stiff sandy silty dark grey clay minor pebbles solvent odor		
		CL	20.0		
Bentonite Plug (24.0-24.5ft)	CL	20.0	Saturated grey clay with fragments of very stiff green clay. Slight solvent odor.		
		24.5	Very stiff green sandy silty clay with layers of saturated grey clay		
			Tan silty sandy clay extruded as slurry		
			Bottom of Hole		



Expanation

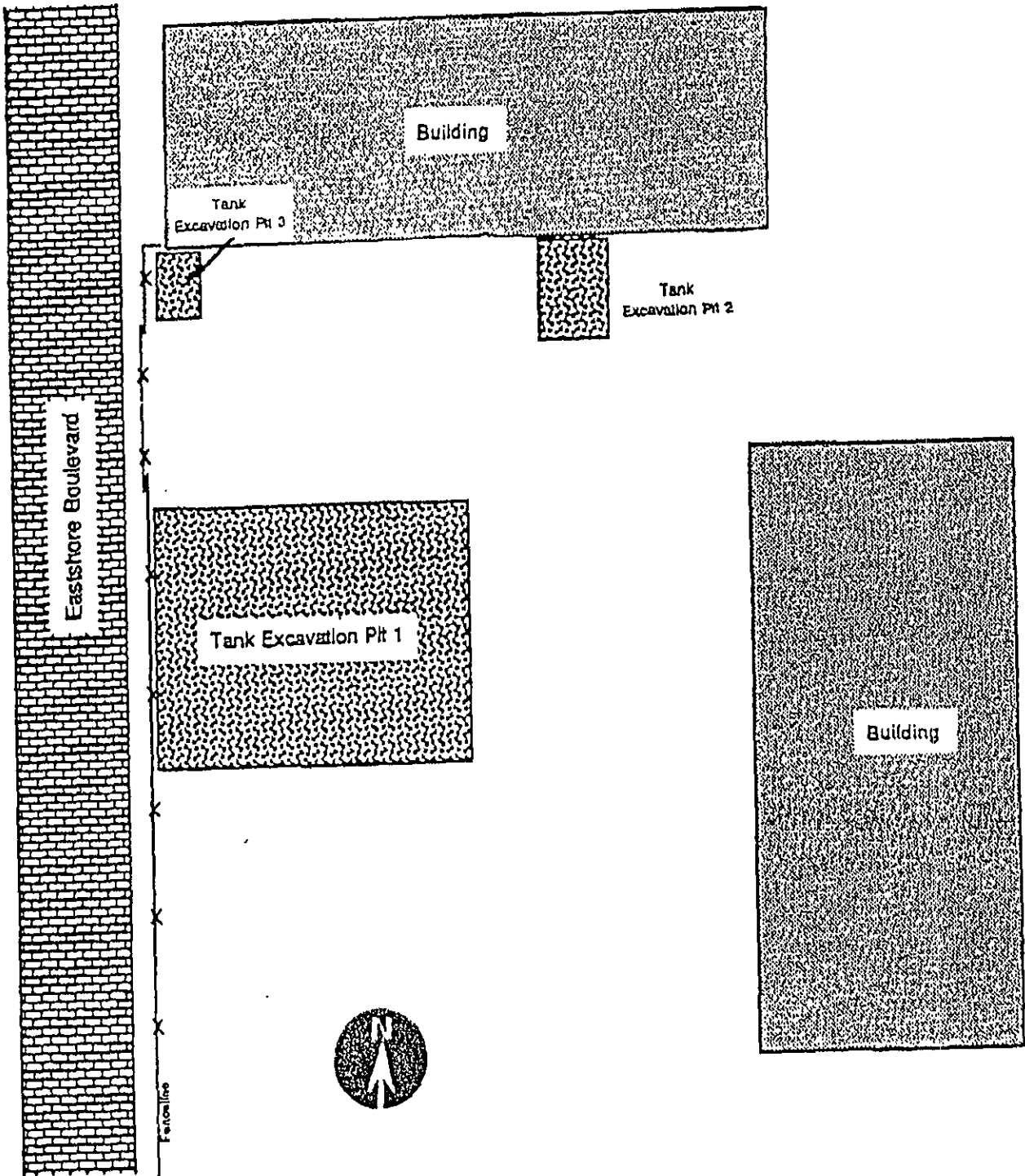
- Soil Sample
  - Composite Soil Sample
- SS-2  
SS-10

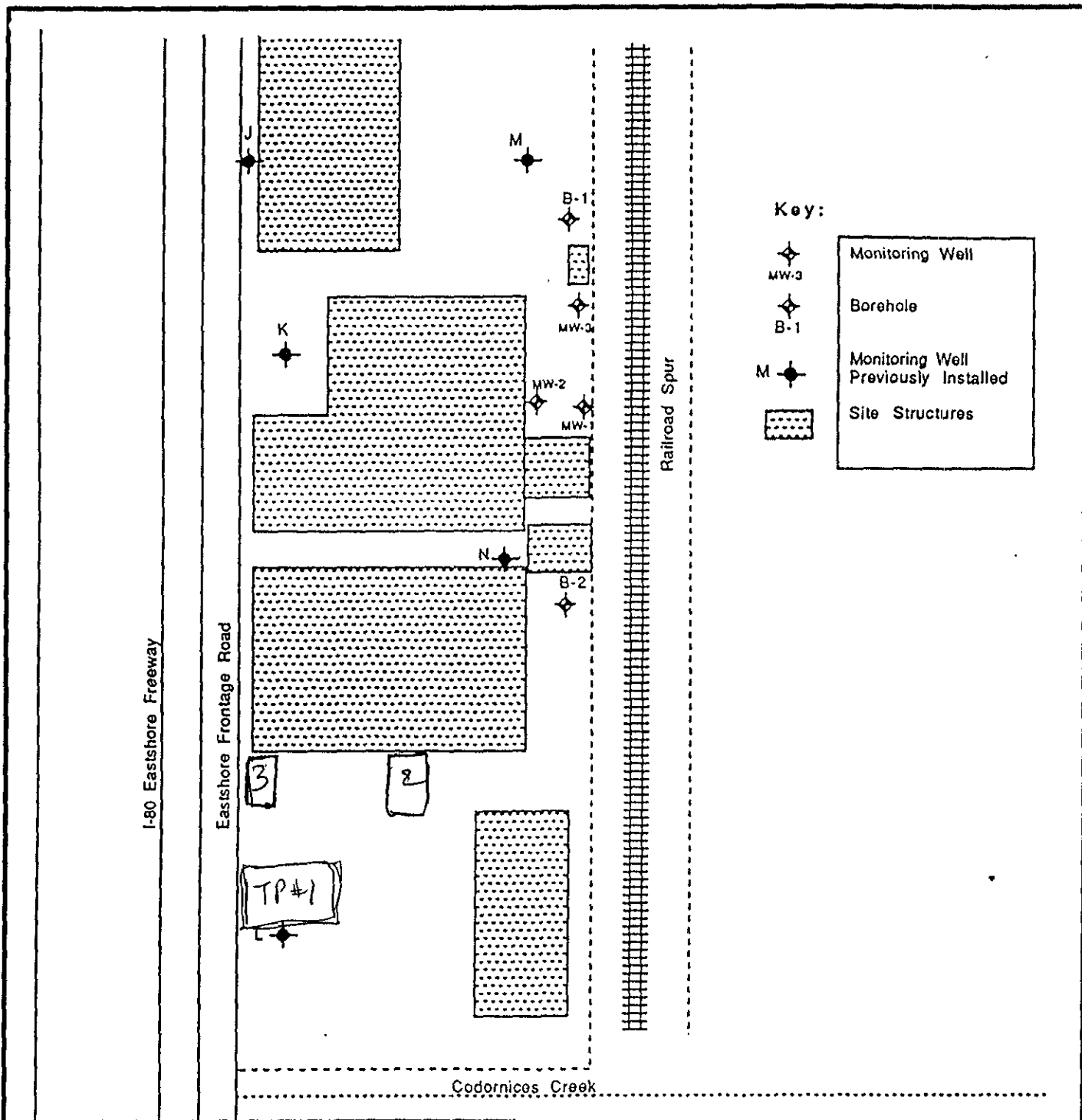


**ENSR** Consulting and Engineering

**SOIL STOCKPILE SAMPLING LOCATIONS  
WILANCO SITE  
1077 Eastshore Blvd., Albany, California**

DRAWN BY: Brian Ho	DATE: 6/25/92	ENSR Project No. 7295-002
CHK BY:	REVISED: 11/20/92	FIGURE NO.: 2





APPROXIMATE LOCATION OF EXISTING WELLS

(from ENSR, October 02, 1992, Figure 1)  
 1077 EASTSHORE FRONTAGE ROAD  
 ALBANY, CALIFORNIA

FIGURE

3

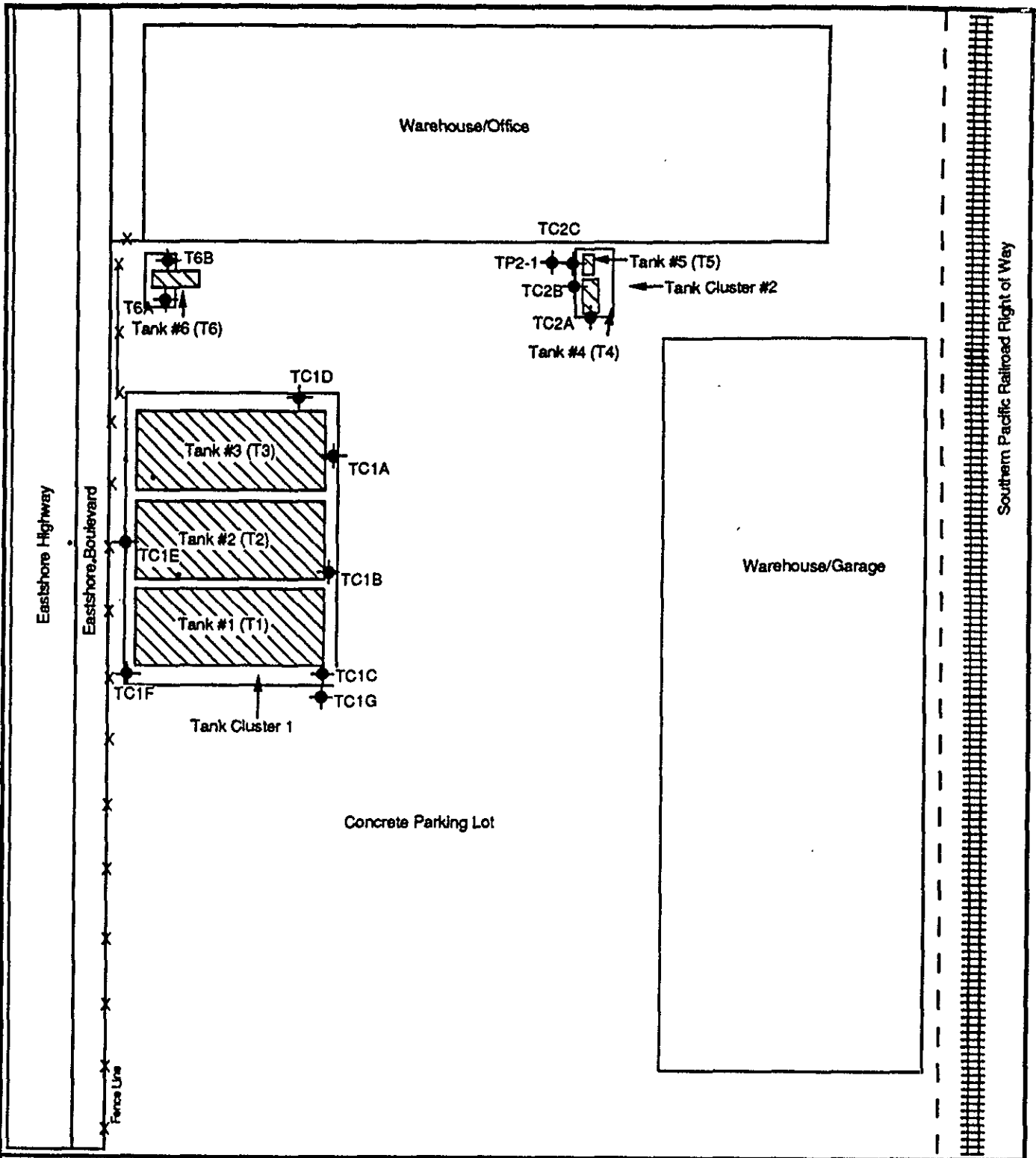


Soil Sample	Units	Lead	Organic Lead	TPH gas	TPH diesel	TPH kerosen	Benzene	Toluene	Ethylbenzen	Total Xylenes
<b>Tank Cluster 1</b>										
TC 1A	mg/Kg	NA	NA	NA	4**	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)
TC 1B	mg/Kg	NA	NA	NA	ND (<1)	ND (<1)	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)
TC 1C*	mg/Kg	NA	NA	NA	80**	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)
TC 1D	mg/Kg	NA	NA	NA	ND (<1)	ND (<1)	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)
TC 1E	mg/Kg	NA	NA	NA	ND (<1)	ND (<1)	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)
TC 1F	mg/Kg	NA	NA	NA	ND (<1)	ND (<1)	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)
TC 1G	mg/Kg	NA	NA	NA	6**	NA	NA	NA	NA	NA
<b>Tank Cluster 2</b>										
TC 2A	mg/Kg	ND (3)	ND (0.5)	ND (<1)	NA	NA	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)
TC 2B	mg/Kg	8	ND (0.5)	ND (<1)	NA	NA	ND (<0.005)	ND (<0.005)	0.460	0.700
TC 2C@	mg/Kg	13	ND (0.5)	250	NA	NA	0.150	ND (0.060)	4.200	3.100
TP2-1	mg/Kg	NA	NA	2	NA	NA	ND (<0.005)	ND (<0.005)	0.012	ND (<0.005)
<b>Tank #6</b>										
T6A	mg/Kg	7	ND (0.5)	ND (<1)	NA	NA	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)
T6B	mg/Kg	46	ND (0.5)	ND (<1)	NA	NA	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)
<b>California Hazardous Waste Concentration Limits</b>										
TTLC	mg/Kg	1,000		NA	NA	NA		NA		
STLC	mg/l	5		NA	NA	NA		NA		
U.S. EPA	mg/l	5		NA	NA	NA		NA		
<b>TCLP Limits</b>										
Notes: NA-Not Analyzed, ND-Not Detected, NF-Not Found, na-Not Available										
* See TC 1G for resample, @ see TP2-1 for resample										
<b>First Water Sample</b>										
TC-2	mg/l	ND (0.003)	ND (0.100)	20.0	NA	NA	0.140	0.410	0.510	2.9
T6	mg/l	0.010	ND (0.100)	0.530			0.001	0.003	0.006	0.037
<b>Second Water Sample</b>										
TC1-1	mg/l	NA	NA	NA	3.4**	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)
TC2-1	mg/l	0.004	ND (0.100)	3.8	NA	NA	0.068	0.059	0.073	0.440
T6-1	mg/l	ND (0.003)	ND (0.100)	0.160	NA	NA	ND(0.0005)	0.0009	0.0006	0.0037
** Quantitated as diesel range										
<b>California Maximum Contaminant Levels</b>										
Primary		0.050	na	na	na	na	0.0010	NA	0.6800	1.7500
U.S. EPA MCLs		0.050/0.015***	na	na	na	na	0.0050	1	0.7000	10.0000
***-Effective December 7, 1992, "Action Level" not to be exceeded in more than 10% of the samples.										
Source of Regulatory Information: "A Compilation of Water Quality Goals", Sept 1991, Staff Report of the California Regional Water Quality Control Board, Central Valley Region										

Table 2 Wilanco Soil Pile Sample Results

Soil Sample	Units	Lead	Organic Lead	TPH gas	TPH diesel	TPH kerosene	Benzene	Toluene	Ethylbenzene	Total Xylenes
Soil Pile Samples										
SS-1	mg/Kg	NA	NA	NA	ND (<1)	ND (<1)	NA	NA	NA	NA
SS-2	mg/Kg	NA	NA	NA	8	ND (<1)	NA	NA	NA	NA
SS-3	mg/Kg	NA	NA	NA	2	ND (<1)	NA	NA	NA	NA
SS-4	mg/Kg	NA	NA	NA	11	ND (<1)	NA	NA	NA	NA
SS-5	mg/Kg	NA	NA	NA	9	*	NA	NA	NA	NA
SS-6	mg/Kg	NA	NA	NA	3	*	NA	NA	NA	NA
SS-7	mg/Kg	NA	NA	NA	ND (<1)	ND (<1)	NA	NA	NA	NA
SS-8	mg/Kg	NA	NA	ND (<1)	NA	NA	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)
SS-9 *	mg/Kg	NA	NA	7,500	NA	NA	12	59	230	1,000
SS-10	mg/Kg	NA	NA	ND (<1)	NA	NA	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)
California Hazardous Waste Concentration Limits										
TTLC	mg/Kg	1,000		NA	NA	NA	NA	NA	NA	NA
STLC	mg/l	5		NA	NA	NA	NA	NA	NA	NA
U.S. EPA	mg/l	5		NA	NA	NA	0.5	NA	NA	NA
TCLP Limits										

\* Treated and resampled 5/4/93. See Appendix 2 for results of composited samples SS-1 through SS-4.



Eastshore Highway

Eastshore Boulevard

Southern Pacific Railroad Right of Way

Fence Line



NOT TO SCALE  
BOUNDARIES APPROXIMATE

-  Tank Location
-  TC1G Soil Sample Location

**ENSR**

ENSR Consulting and Engineering

FIGURE 1

FIGURE 1  
TANK LOCATION MAP  
WILANCO SITE  
1077 Eastshore Blvd.  
Albany, California

DRAWN: W Aoyama	DATE: November 17, 1992	PROJECT NO. 7295-002-200	REV. X
FILE NO:	CHECKED:		