

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



ARNOLD PERKINS, DIRECTOR
RAFAT A. SHAHID, DEPUTY DIRECTOR

February 5, 1996
STID 1435

*Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577*

REMEDIAL ACTION COMPLETION CERTIFICATION

(510)567-6700 FAX (510)337-9335 cc:458

Attn: Harold Pollack
Schnitzer Steel Products
1101 Embarcadero West
Oakland CA 94607

x

RE: Schnitzer Steel site, 1101 Embarcadero West, Oakland CA 94607

Dear Mr. Pollack,

This letter confirms the completion of site investigation and remedial action for the two underground gasoline storage tanks at the above referenced site. One UST was located approximately 100' North of the estuary and approximately 100' Northwest of Pier 6, and the other UST was located approximately 20' North of the north gate of the Non-Ferrous warehouse.

Based on 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. If a change in land use is proposed, the owner must promptly notify this agency.

If you have any questions regarding this letter, please contact Jennifer Eberle at (510) 567-6700, ext. 6761.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Jun Makishima".

Jun Makishima, Interim Director

cc: Acting Chief, Environmental Protection Division
Kevin Graves, RWQCB
Mike Harper, SWRCB (with attachment)
Gary Aguiar, 3732 Mr. Diablo Blvd., Suite 372, Lafayette CA 94549
Jennifer Eberle 

01-1798

ENVIRONMENTAL PROTECTION
CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION Date: 6/22/95

Agency name: Alameda County-HazMat Address: 1131 Harbor Bay Pky
City/State/Zip: Alameda CA 94502 Phone: (510) 567-6700
Responsible staff person: Jennifer Eberle Title: Hazardous Materials Spec.

II. CASE INFORMATION

Site facility name: Schnitzer Steel
Site facility address: Foot of Adeline St., aka 1101 Embarcadero West,
Oakland CA 94607
RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 1435
URF filing date: 7/21/95 SWEEPS No: N/A

Responsible Parties: Addresses: Phone Numbers:
Attn: Harold Pollack, Schnitzer Steel Products, 1101 Embarcadero West,
Oakland CA 94607 (510-444-3919)

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	550	gasoline	removed	11/7/88
2	550	gasoline	removed	11/7/88

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: unknown
Site characterization complete? YES
Date approved by oversight agency:n/a
Monitoring Wells installed? YES Number: 4
Proper screened interval? MW4 screen is from 6'bgs to 11'bgs
This well was installed within the backfilled excavation (sand) by Schnitzer Steel.
Highest GW depth below ground surface: (in MW4): 2.86'bgs
Lowest depth: (in MW4): 5.03'bgs
Flow direction: consistently S to SW over the past 7 quarters
Most sensitive current use: site is used for metal processing
Are drinking water wells affected? NO Aquifer name:
Is surface water affected? Unknown Nearest affected SW name:
Off-site beneficial use impacts (addresses/locations):

Report(s) on file? YES Where is report(s) filed?
Alameda County, 1131 Harbor Bay Pky, Alameda Ca 94502

RECEIVED
FEBRUARY 2 1995
5:11 PM

Leaking Underground Fuel Storage Tank Program

Treatment and Disposal of Affected Material:

<u>Material</u>	<u>Amount</u> <u>(include units)</u>	<u>Action (Treatment</u> <u>of Disposal w/destination)</u>	<u>Date</u>
Tank	two 550-gal USTs	disposed (shredded) onsite**	11/88
Product (Inside USTs)	200 gal	disposed by Waste Oil Recovery Systems	11/7/88

purge water treated onsite in their clarifier

**as per telephone conversation bet J.Eberle and Nick Andrusyshyn, 7/18/95

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

Contaminant	Soil (ppm)		Water (ppm)	
	<u>Before</u>	<u>After</u>	<u>Before</u>	<u>After</u>
TPH (Gas)	530	ND	18	ND**
TPH (Diesel)	NA		NA	
Benzene	6	ND	.039	ND**
Toluene	1	ND	.041	ND**
Xylene	34	ND	.49	ND**
Ethylbenzene	5	ND	.033	ND**
organic Pb	ND*			

*from Tank #1 (all other results are from Tank #2)

**from MW4 (ND for last four quarters)

The "before" water sample was a pit sample

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 plans to, since they are needed to continue monitoring for metals, as per RWQCB order

Number Decommissioned:

Number Retained:

Leaking Underground Fuel Storage Tank Program

List enforcement actions taken: none
List enforcement actions rescinded: none

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Jennifer Eberle Title: Hazardous Materials Specialist
Signature: *J Eberle* Date: 12-26-95

Reviewed by

Name: Dale Klettke Title: Hazardous Materials Specialist
Signature: *Dale Klettke* Date: 1/2/96

Name: eva ~~sha~~ Title: Hazardous Materials Specialist
Signature: *eva* Date: 12/27/95

VI. RWQCB NOTIFICATION

Date Submitted to RB: 1-3-96 RB Response: *Approved*
RWQCB Staff Name: Kevin Graves Title: AWRCE Date: 1/31/96

VII. ADDITIONAL COMMENTS, DATA, ETC.

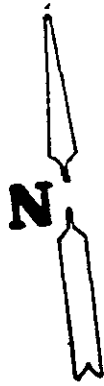
Two 550-gal gasoline USTs were removed in November 1988. Tank #1 was located approximately 100' North of the actual estuary, aka the Inner Harbor. Two soil samples were collected from Tank #1 (SS-1 and SS-2), and had ND BTEX, ND TPH-g and ND organic lead.

Tank #2 was located approximately 1,250' North of the actual estuary. Two soil samples were collected from Tank #2 (SS-3 and SS-4). Results indicated up to 530 ppm TPHg, and up to 6 ppm benzene (see Plate 1).

Overexcavation of Tank #2 occurred on 11/11/88. Approximately 10 yd³ soil was removed. Two soil samples were collected (NFGT-5 and NFGT-6). Results indicated ND TPHg, and ND BTEX. Water entered the excavation, and a sample was collected. Results indicated 18,000 ppb TPHg, 39 ppb benzene, and some TEX.

A well was installed within the backfilled excavation^{of Tank #2} by Schnitzer Steel (MW4) (see Plates 2 and 3). The well was screened from 6-11'bgs, within the tank backfill. It appears to have been installed in August 1993. The DTW was approximately 5'bgs on 8/4/93. Three other wells were installed onsite, along the edges of the estuary (see Plate 4). These wells were used to establish the groundwater flow direction.

Groundwater has been sampled since 1993 in these wells, with an earlier sampling event in MW4 in 12/88 (see Table 1). TPHg and BTEX have been ND for the past consecutive four quarters in all wells. Therefore, case closure is warranted.



North tank

tank 2



FENCE

ENTRANCE

YARD

WATER SAMPLE

NFGT-4

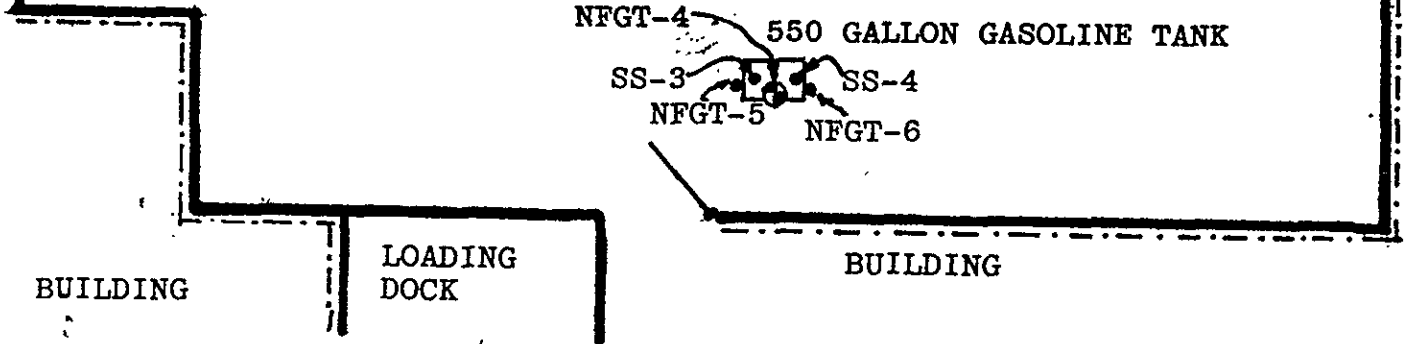
550 GALLON GASOLINE TANK

SS-3

SS-4

NFGT-5

NFGT-6



TANK LOCATED IN THE NON-FERROUS DIVISION YARD-EAST SIDE OF PROPERTY

SAMLE RESULTS IN PPM

LEGEND

SAMPLE ID	B	T	X	EB	TPH	LEAD
<u>SOIL SAMPLES</u>						
SS-3	6	1	24	5	370	NR
SS-4	ND	ND	34	2	530	NR
NFGT-5	ND	ND	ND	ND	ND	NR
NFGT-6	ND	ND	ND	ND	ND	NR
<u>WATER SAMPLE</u>						
NFGT-4	.039	.041	.49	.033	18	NR

- SOIL SAMPLE
- ⊕ MONITORING WELL

Plate 1

ALL RESULTS ARE IN PARTS PER MILLION
 B=BENZENE T=TOLUENE X=XYLENE
 EB=ETHYL BENZENE TPH=TPH AS GASOLINE
 ND=NOT DETECTED NR=NOT REQUESTED

SCHNITZER STEEL
 FOOT OF ADELIN STREET
 OAKLAND, CALIFORNIA

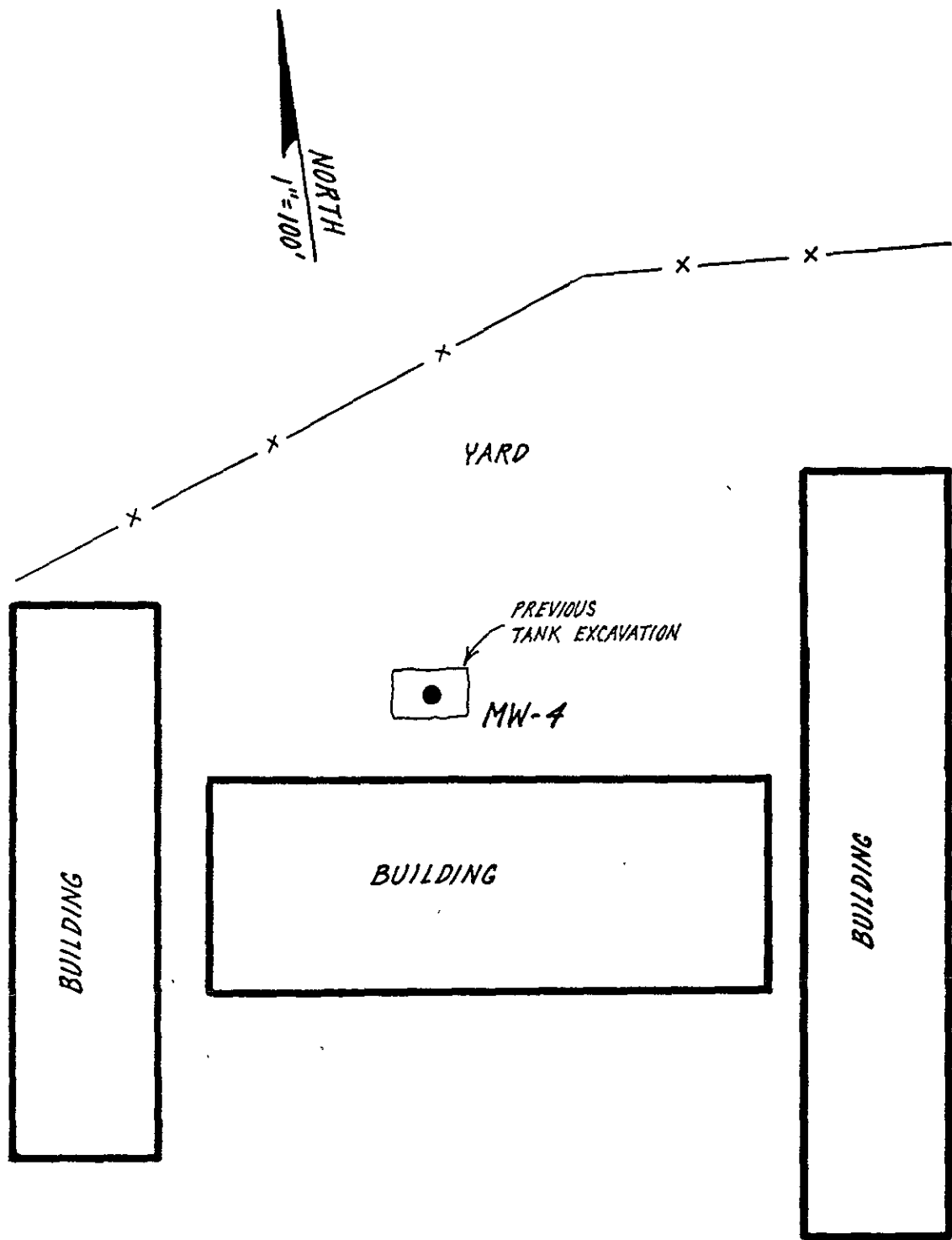
SCALE

DRAWING NUMBER

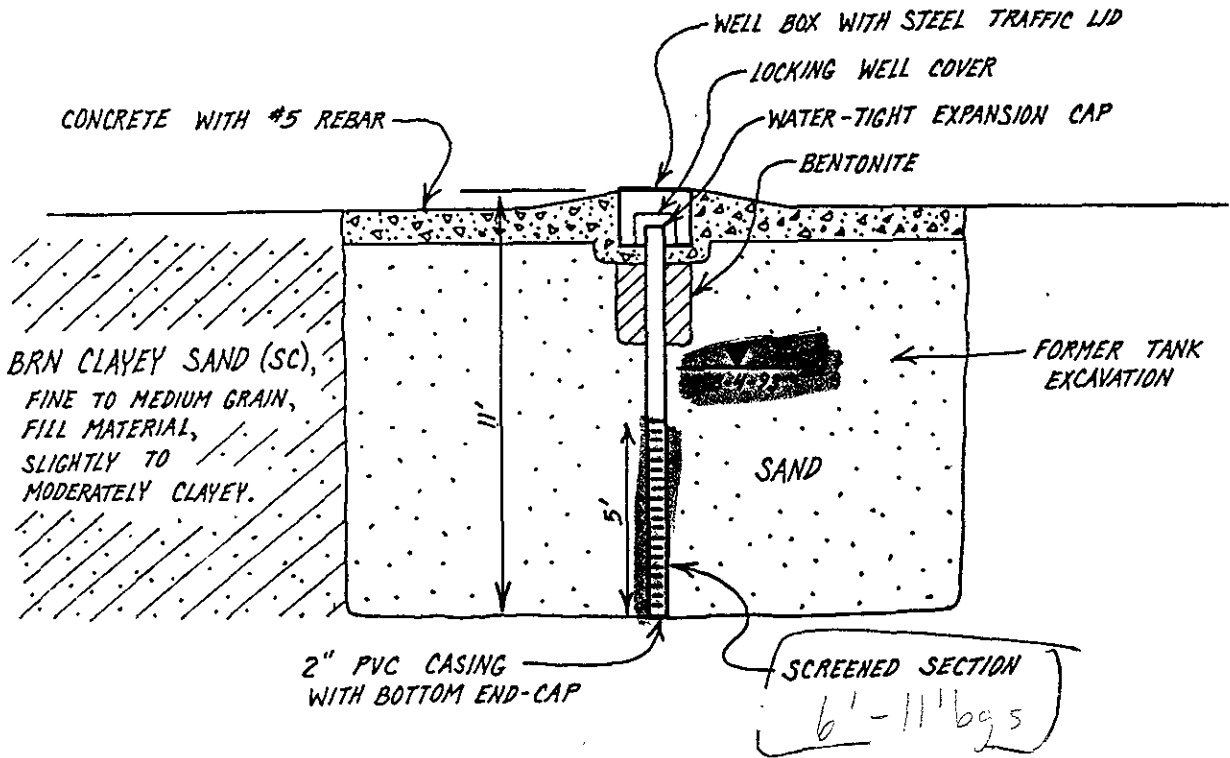
DATE

J2025

550 GALLON GASOLINE TANK REMOVAL
 AND SOIL SAMPLING



~~FIGURE 3.~~ Plate 2
Location of Monitoring Well MW-4.
SCHNITZER STEEL



PC

~~FIGURE 3.~~ Plate 3
Construction Detail of
Monitoring Well MW-4.
SCHNITZER STEEL

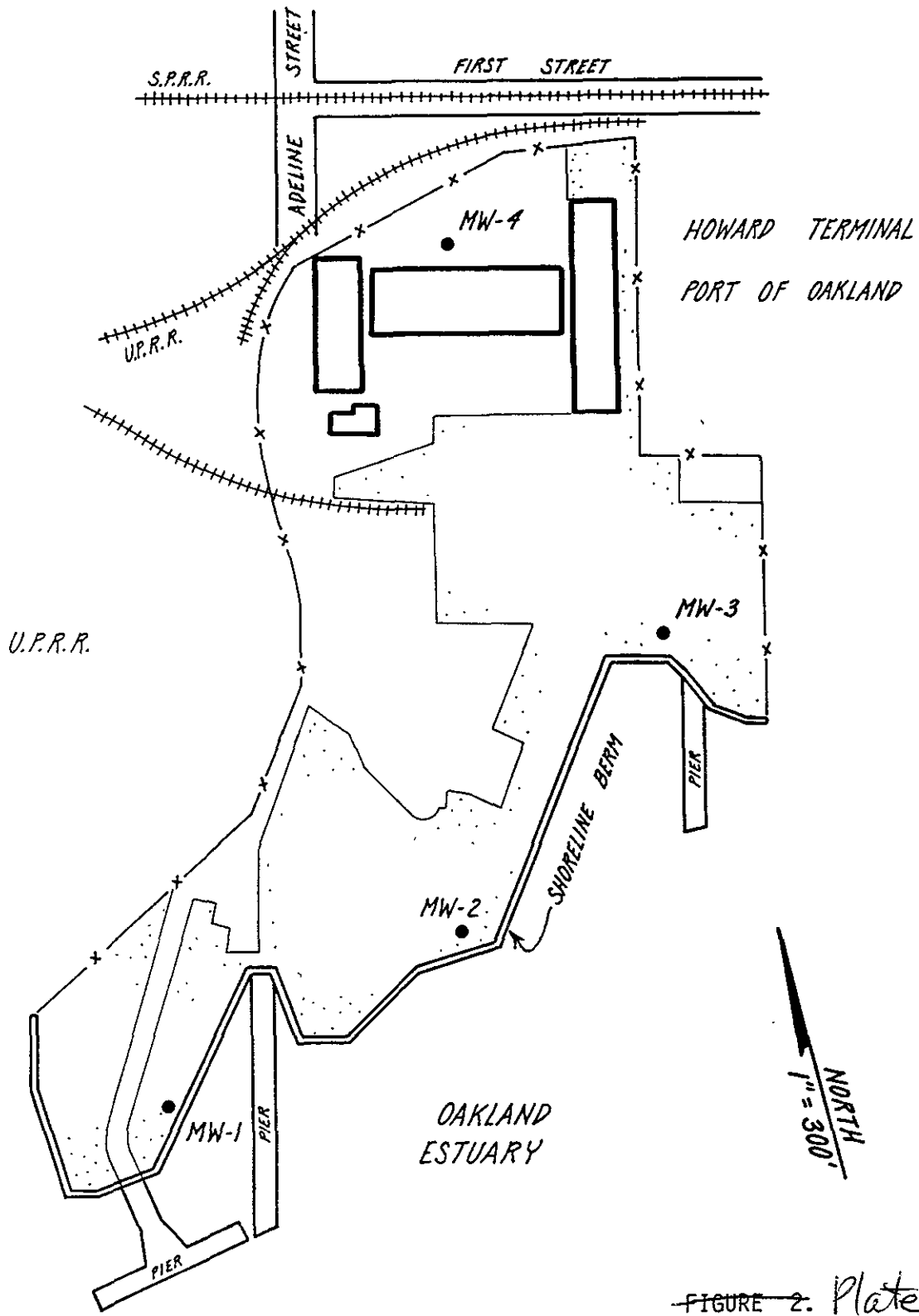


FIGURE 2. Plate 4
 Site Map.
 SCHNITZER STEEL

TABLE 3

Shallow Groundwater Sampling Results

Location	Date	TPH as Gasoline (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)
MW-1	09-20-93	ND	ND	ND	ND	ND
	12-20-93	ND	ND	ND	ND	ND
	03-22-94	ND	ND	ND	ND	ND
	06-20-94	ND	ND	ND	ND	ND
	09-21-94	ND	ND	ND	ND	ND
	12-19-94	ND	ND	ND	ND	ND
	05-16-95	--	--	--	--	--
MW-2	09-20-93	ND	ND	ND	ND	ND
	12-20-93	ND	ND	ND	ND	ND
	03-22-94	ND	ND	ND	ND	ND
	06-20-94	ND	ND	ND	ND	ND
	09-21-94	ND	ND	ND	ND	ND
	12-19-94	ND	ND	ND	ND	ND
	05-16-95	--	--	--	--	--
MW-3	09-20-93	ND	ND	ND	ND	ND
	12-20-93	ND	ND	ND	ND	ND
	03-22-94	ND	ND	ND	ND	ND
	06-20-94	ND	ND	ND	ND	ND
	09-21-94	ND	ND	ND	ND	ND
	12-19-94	ND	ND	ND	ND	ND
	05-16-95	--	--	--	--	--
Detection Limit		50	0.5	0.5	0.5	0.5

ND = not detected

TABLE X (Continued).

Shallow Groundwater Sampling Results

Location	Date	TPH as Gasoline (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
MW-4 (duplicate)	12-09-88	ND	ND	ND	ND	ND
	08-04-93	ND	ND	ND	ND	ND
	09-20-93	75	ND	ND	ND	ND
	12-20-93	160	ND	0.54	ND	ND
	03-22-94	430	16	3.9	4.0	15
	03-22-94	380	11	2.9	3.7	13
	06-20-94	ND	ND	ND	ND	ND
	09-21-94	ND	ND	ND	ND	ND
	12-19-94	ND	ND	ND	ND	ND
	05-16-95	ND	ND	ND	ND	ND
Detection Limit		50	0.5	0.5	0.5	0.5

ND = not detected