

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



Alameda County CC4500
Environmental Health Services
1131 Harbor Bay Pkwy., #250
Alameda CA 94502-6577
(510)567-6700 FAX(510)337-9335

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REMEDIAL ACTION COMPLETION CERTIFICATION

StID 3957 - 1110 98th Ave, Oakland, CA

April 29, 1996

Mr. Nelson McAfee
Schaefer's Meats, Inc
1110 98th Ave
Oakland, CA 94603


Dear Mr. McAfee:

This letter confirms the completion of site investigation and remedial action for the former underground storage tank (1-1,000 gallon gasoline tank) removed from the above site on October 12, 1993. 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 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 Ms. Eva Chu at (510) 567-6700 if you have any questions regarding this matter.

Very truly yours,


Mee Ling Tung, Director

cc: Kevin Graves, RWQCB
Mike Harper, SWRCB (with attachment)
Chief, Division of Environmental Protection/files (schaefer.5)

EMV. CONFIDENTIAL
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CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: June 28, 1995

Agency name: **Alameda County-HazMat** Address: **1131 Harbor Bay Pkwy**
City/State/Zip: **Alameda, CA 94502** Phone: **(510) 567-6700**
Responsible staff person: **Eva Chu** Title: **Hazardous Materials Spec.**

II. CASE INFORMATION

Site facility name: **Schaefer's Meats, Inc**
Site facility address: **1110 98th Ave, Oakland 94603**
RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: **3957**
URF filing date: **10/21/93** SWEEPS No: **N/A**

<u>Responsible Parties:</u>	<u>Addresses:</u>	<u>Phone Numbers:</u>
Schaefer's Meats, Inc Attn. Nelson McAfee	1110 98th Ave, Oakland 94603	

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	1,000	Gasoline	Removed	10/12/93

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: **Leaking UST**
Site characterization complete? **YES**
Date approved by oversight agency: **5/15/95**
Monitoring Wells installed? **Yes** Number: **1**
Proper screened interval? **Yes, 15.5 to 25' bgs**
Highest GW depth below ground surface: **9.49'** Lowest depth: **12.69'**
Flow direction: **Assumed southwesterly, based on flow direction at 921 98th and 1031 98th Ave sites.**
Most sensitive current use: **Commercial**
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): **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 (include units)</u>	<u>Action (Treatment or Disposal w/destination)</u>	<u>Date</u>
Tank Piping Free Product	1 UST	H & H Shipping in San Francisco	10/12/93
Soil Groundwater Barrels	74 cy	Redwood L.F. in Novato	3/24/94

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)	
	<u>Before</u>	<u>After</u>	<u>Before</u>	<u>After</u>
TPH (Gas)	1,100	ND	970	170
TPH (Diesel)				
Benzene	.970	ND	2.3	ND
Toluene	1.40	ND	ND	ND
Ethylbenzene	1.80	ND	21	ND
Xylenes	6.50	.012	24	ND

Oil & Grease
Heavy metals
Other

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: **None**

Should corrective action be reviewed if land use changes? **YES**
 Monitoring wells Decommissioned: **None, pending site closure**
 Number Decommissioned: 0 Number Retained: 1
 List enforcement actions taken: **None**

List enforcement actions rescinded: **NA**

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Eva Chu Title: Haz Mat Specialist

Signature: *Eva Chu* Date: 8/16/95

Reviewed by

Name: Jennifer Eberle Title: Haz Mat Specialist

Signature: *J Eberle* Date: 6-28-95

Name: Madhulla Logan Title: Haz Mat Specialist

Signature: *Madhulla Logan* Date: 8/12/95

VI. RWQCB NOTIFICATION

Date Submitted to RB: 8/17/95 RB Response: *Approved*

RWQCB Staff Name: Kevin Graves Title: AWRCE

Signature: *Kevin Graves* Date: 9/5/95

VII. ADDITIONAL COMMENTS, DATA, ETC.

One gasoline UST was removed in October 1993. Soil samples collected from beneath the UST at 9-9.5' depth exhibited up to 1,100 ppm TPH-G, .970, 1.4, 1.8 and 6.5 ppb BTEX, respectively.

The pit was overexcavated to a depth of approximately 12'. Four confirmatory sidewall samples collected at approximately 11' depth did not detect TPH-G or BTEX, except trace levels of xylenes (.012 ppm).

Approximately 70 cy of contaminated soil was aerated onsite and subsequently take to Redwood Landfill in Novato for disposal.

Based on groundwater flow data from two adjacent sites (approximately 1,200 to 1,700' away), one up- and one down-gradient from the site, one monitoring well was installed approximately 10' southwest of the former tank excavation. Groundwater was encountered at approximately 16.5' depth and stabilized at 12'. The consultant felt groundwater was under confined conditions and screened the well from 15.5 to 25' depth. Soil samples collected at 5, 10 and 15' depths did not detect petroleum hydrocarbons.

Groundwater has been sampled for five consecutive quarters (Apr, Jul, and Oct 1994, and Jan, Apr 1995). Low levels of TPH-G (170 ppb) and non-detectable levels of BTEX have been detected during the last two sampling events.

The fuel release at this site caused limited soil contamination. With overexcavation, most of the contaminated soil was removed. The last two sampling events show groundwater to be minimally impacted, at levels which would not affect human health or the environment. Continued groundwater sampling is not warranted.

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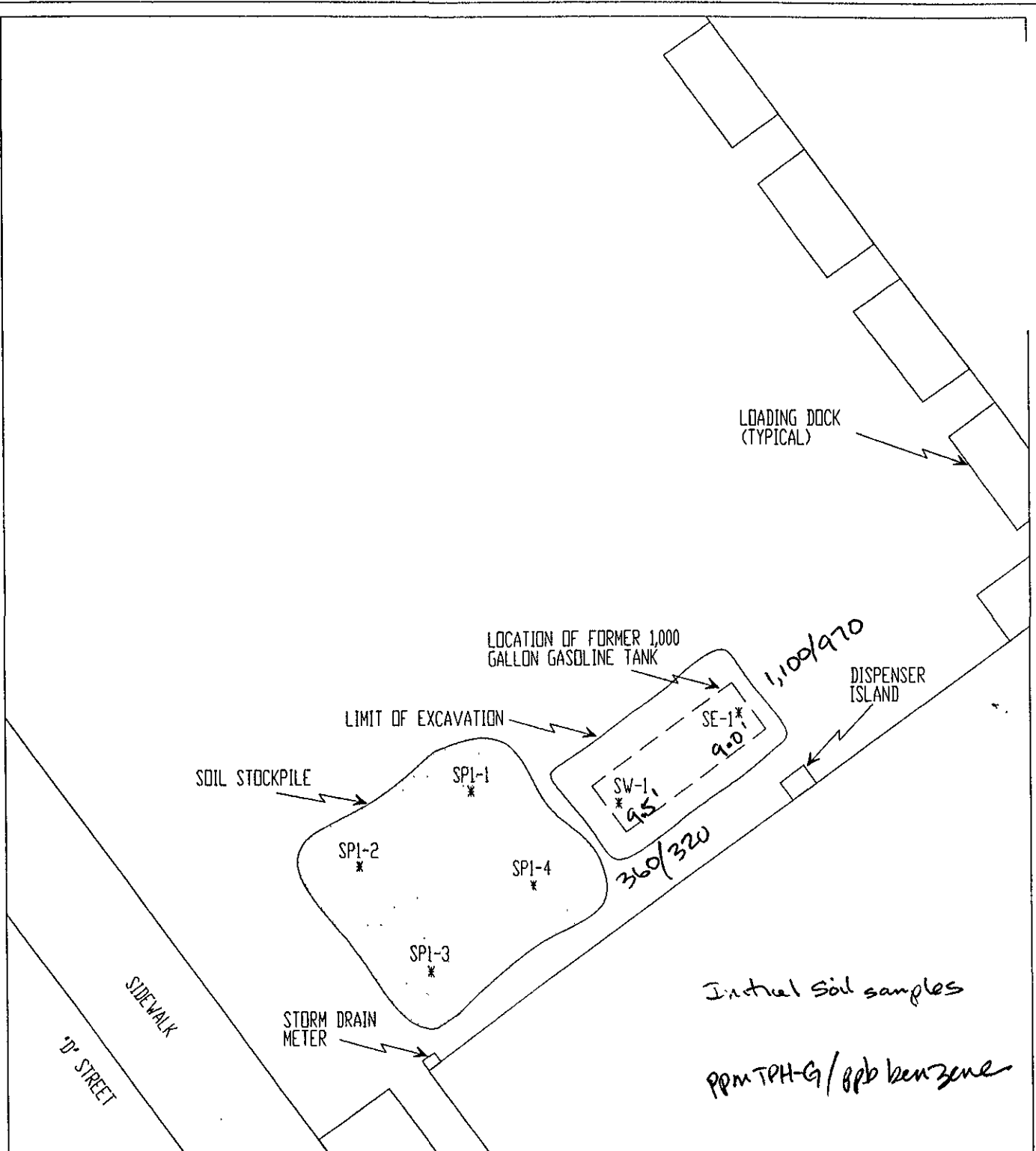
TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(ppm¹)

Sample ID Name	Date	Depth (Feet)	TPHG	Benzene	Toluene	Ethyl-Benzene	Xylenes	Total Lead
SE-1	10/12/93	9.0	1,100	.970	1.400	1.800	6.500	19
SW-1	10/12/93	9.5	360	.320	.480	.590	2.100	17
SP1-1, 2, 3, 4	10/12/93	1.5-2.0	420	.370	.560	.690	2.500	19
VSP-1	03/14/94	11.0	<1.0	<.0050	<.0050	<.0050	<.0050	9.4
VSP-2	03/14/94	11.0	<1.0	<.0050	<.0050	<.0050	<.0050	NA ²
VSP-3	03/14/94	11.0	<1.0	<.0050	<.0050	<.0050	.0081	NA
VSP-4	03/14/94	11.0	<1.0	<.0050	<.0050	<.0050	.012	NA
SP1-A,B,C,D	03/15/94	1.0-1.5	1.6	.0069	.0075	.0050	.037	<0.5 ³
MW-1	04/14/94	05.0-05.5	<.500	<.0050	<.0050	<.0050	<.015	5.5
MW-1	04/14/94	10.0-10.5	<.500	<.0050	<.0050	<.0050	<.015	4.9
MW-1	04/14/94	15.0-15.5	<.500	<.0050	<.0050	<.0050	<.015	5.9

¹ PARTS PER MILLION

² NOT ANALYZED

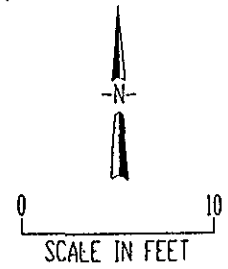
³ ANALYZED FOR ORGANIC LEAD



LEGEND

SE-1 * NAME AND LOCATION OF SOIL SAMPLE

NOTE: 98TH STREET IS APPROXIMATELY 210 FEET FROM THE BUILDING.

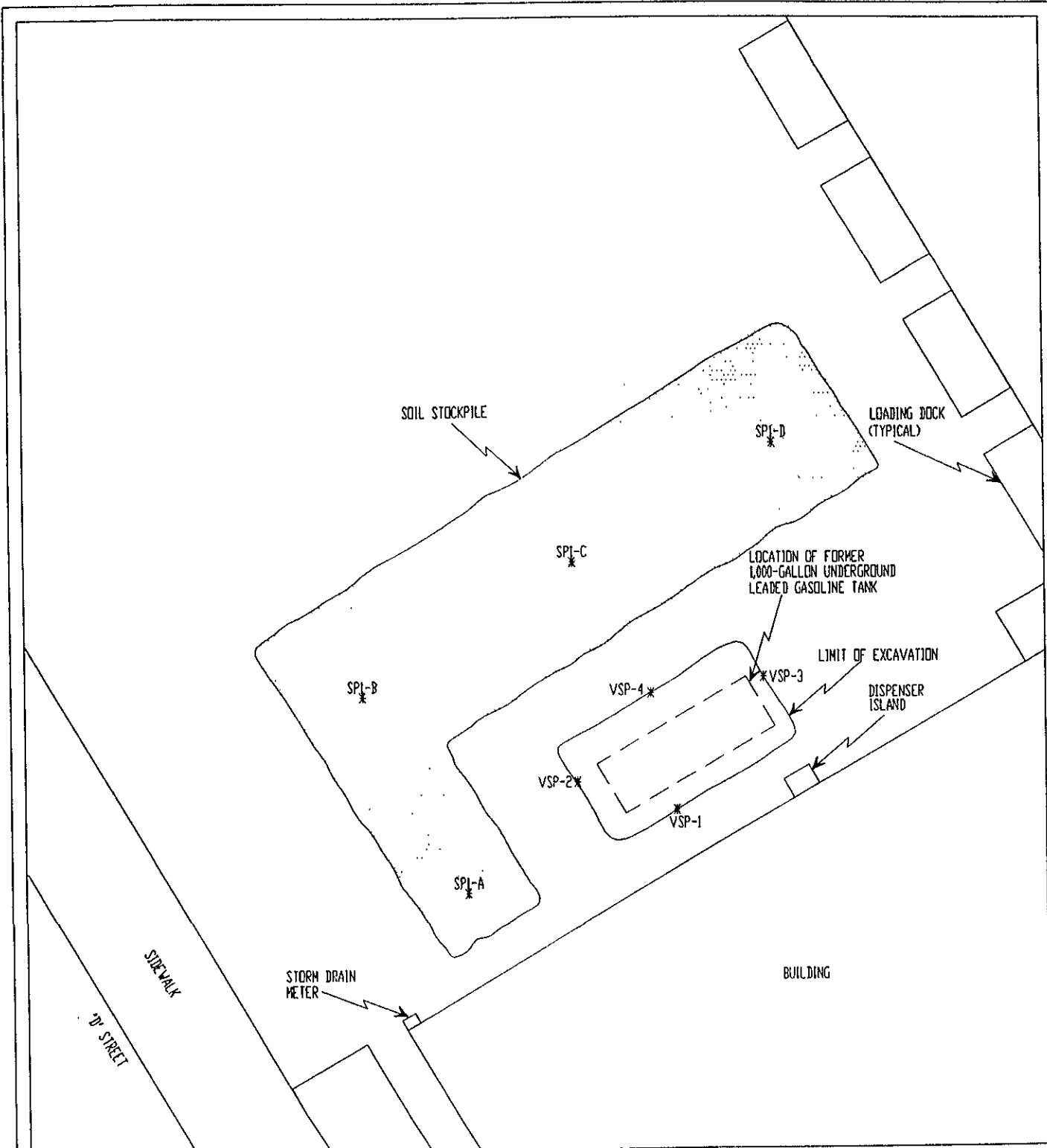


TANK PROTECT ENGINEERING

SITE PLAN
TANK REMOVAL (10/12/93)

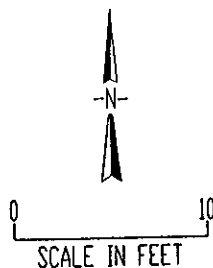
SCHAEFER'S MEATS, INC.
1110 - 98TH AVENUE
OAKLAND, CA 94603

DATE	10/20/93
FIGURE	1
FILE #	290-1
DRAWN BY	TH
CHECKED BY	LT



LEGEND

SPI-A * NAME AND LOCATION OF SOIL SAMPLE

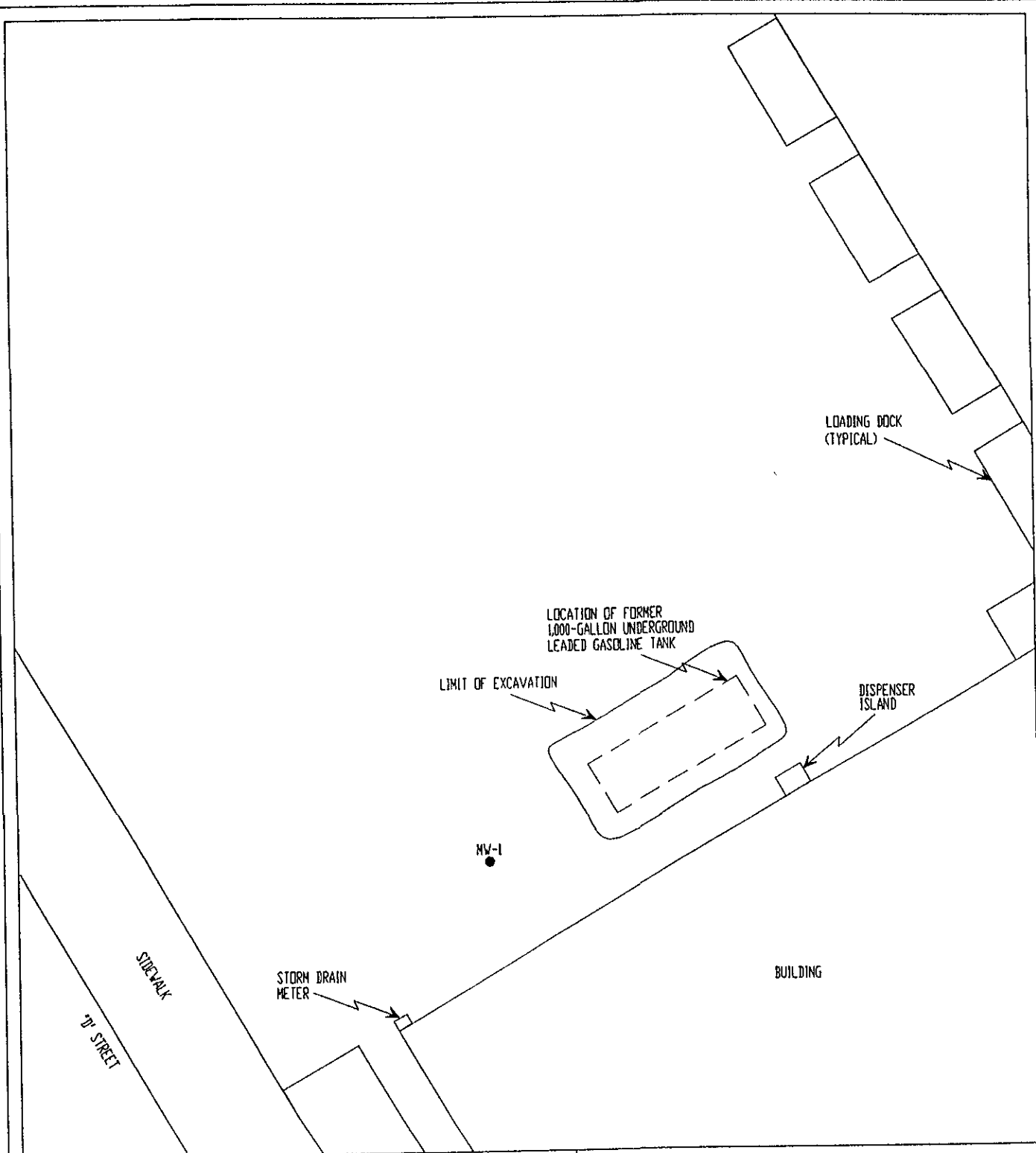


TANK PROTECT ENGINEERING

SITE PLAN:
VERIFICATION AND STOCKPILE SOIL SAMPLING (3/14-3/15/94)

SCHAEFER'S MEATS, INC.
1110 98TH AVENUE
OAKLAND, CA 94603

DATE	6/20/94
FIGURE	2
FILE #	290-3
DRAWN BY	MT
CHECKED BY	JVM



LEGEND

MW-1 ● NAME AND LOCATION OF GROUNDWATER MONITORING WELL

0 ————— 10
SCALE IN FEET

TANK PROTECT ENGINEERING

SITE PLAN:
GROUNDWATER MONITORING WELL LOCATION

SCHAEFER'S MEATS, INC. 1110 98TH AVENUE OAKLAND, CA 94603	DATE	6/20/94
	FIGURE	3
	FILE #	290
	DRAWN BY	MT
	CHECKED BY	JVM

TABLE 1
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
(ppb¹)

Sample ID Name	Date	TPHG	Benzene	Toluene	Ethyl-benzene	Xylenes	Total Lead
MW-1	04/22/94	970	2.3	<0.50	21	24	<100
	07/20/94	99	<0.50	<0.50	1.9	<1.5	NA ²
	10/21/94	<50	<0.50	<0.50	<0.50	<1.5	NA
	01/20/95	170	<0.50	<0.50	<0.50	<1.5	NA
	04/28/95	75	<0.50	<0.50	<0.50	<1.5	NA
MW-2 ³	04/22/94	<50	<0.50	<0.50	<0.50	<1.5	NA
	07/20/94	<50	<0.50	<0.50	<0.50	<1.5	NA
	10/21/94	<50	<0.50	<0.50	<0.50	<1.5	NA
	01/20/95	<50	<0.50	<0.50	<0.50	<1.5	NA
	04/28/95	<50	<0.50	<0.50	<0.50	<1.5	NA

¹ PARTS PER BILLION

² NOT ANALYZED

³ TRIP BLANK

LOG OF EXPLORATORY BORING,

PROJECT NUMBER 290

BORING NO. MW-1

PROJECT NAME 1110 98th Avenue, Oakland, CA

BY LNH

DATE 04-14-94

SURFACE ELEV. 30 FT

RECOVERY (FT/FT)	OVA (PPM)	PENETRA- TION (BLOWS/FT)	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO- GRAPHIC COLUMN	DESCRIPTION
						CONCRETE	
						FILL: Aggregate Base (GW): Brown, dry, no odor.	
						CLAY (CL): Dark brown, scattered sand and gravel, very stiff, dry, no odor.	
1.5/1.5	20	21		5	[Sample]		
						SANDY CLAY (CL/SC): Light brown, scattered gravel, stiff, dry, no odor.	
1.5/1.5	22	13		10	[Sample]		
						CLAY (CL): Blue-green, silty, scattered sand, stiff, dry, no odor.	
1.5/1.5	25	12		15	[Sample]		
						SAND (SP): Brown, clayey, loose, wet,	
1.5/1.5	--	9		20	[Sample]		
						Boring terminated at 25.0'. Boring sampled to 25.0'.	
1.5/1.5	--	6		25	[Sample]		

REMARKS:

Boring drilled with continuous-flight, hollow-stem, 8-inch O.D. augers. Samples collected in a 2.0-inch I.D. California and standard penetration sampler.