

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program

February 15, 1995

STID 1223

REMEDIAL ACTION COMPLETION CERTIFICATION

Alameda County
Environmental Protection Division
1131 Harbor Bay Parkway, Room 250
Alameda CA 94502-6577

CC4!

Ed Bronstein
630 E 10th St.
Oakland, CA 94606

Wilbur Johnson
640 E 10th St.
Oakland, CA 94606

RE: American Ink Products Co., 630 E 10th St., Oakland, CA 94606

Dear Sirs:

This letter confirms the completion of site investigation and remedial action for the 948 gallon and 288 gallon underground storage tanks 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 Amy Leech at (510)567-6700 if you have any questions regarding this matter.

Sincerely,

Rafat A. Shahid
Assistant Agency Director

c: Edgar B. Howell, Chief, Hazardous Materials Division - files
Kevin Graves, RWQCB
Mike Harper, SWRCB w/attachment

JAN 31 1995 KG

QUALITY CONTROL BOARD

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: 01/26/95
 Agency name: Alameda County-HazMat Address: 1131 Harbor Bay pkwy
 City/State/Zip: Alameda, CA 94502 Phone: (510) 271-4320
 Responsible staff person: Tom Peacock Title: Supervising Haz. Mat. Spec.

II. CASE INFORMATION

Site facility name: American Ink Products Co.
 Site facility address: 630 E 10th Street, Oakland, CA 94606
 RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 1223
 URF filing date: 11/07/88 SWEEPS No: N/A

<u>Responsible Parties:</u>	<u>Addresses:</u>	<u>Phone Numbers:</u>
Ed Bronstein	630 E 10th St. Oakland, CA 94606	
Wilbur Johnson	640 E 10th St. Oakland, CA 94606	

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	288	Gasoline	removed	10/31/88
2	948	Gasoline	removed	10/31/88

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: Unknown. Tanks were reported intact with no evidence of holes when removed from the site. Overspill was suggested based on field observations of stained soil in the pit.

Site characterization complete? YES

Date approved by oversight agency: October 19, 1993

Monitoring Wells installed? YES Number:1

Proper screened interval? NO (gw depth at 9 ft.-well screened from 10 to 26 feet bgs)

Highest GW depth below ground surface: 7.31 ft Lowest depth: 10.91 ft

Flow direction: Not determined (Regional data suggests toward the West)

Most sensitive current use:

Are drinking water wells affected? No Aquifer name:

Is surface water affected? NO Nearest affected SW name:N/A

Off-site beneficial use impacts (addresses/locations): Not Known

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III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued)

Report(s) on file? YES Where is report(s) filed? Alameda County
 1131 Harbor Bay Parkway
 Alameda, CA - 94502

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 USTs	Disposed By H&H Ship Service	10/31/88
Piping	Unknown	Disposed by H&H Ship Service	10/31/88
Soil	18 cubic yards	Casamaglia Resources Landfill NTU Rd., Casmaglia, CA	12/02/88

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

<u>Contaminant</u>	<u>Soil (ppm)</u>		<u>Water (ppm)</u>	
	<u>Before</u>	<u>After</u>	<u>Before</u>	<u>After</u>
TPH (Gas)	3000	86	0.370	ND
TPH (Diesel)	ND	NT	NT	NT
Benzene	ND	ND	0.0024	ND
Toluene	1.5	ND	0.0028	ND
Xylene	40	.45	ND	ND
Ethylbenzene	24	.37	ND	ND
Oil & Grease	8	NT	NT	NT

Comments (Depth of Remediation, etc.): Initial soil samples were taken 2 feet beneath the bottoms of the former tanks and one side wall sample was taken in the 948 gallon tank pit. Overexcavation of native soil occurred around the 948 gallon tank pit where TPHg was at 3000ppm. The highest TPHg level was 86 ppm at the bottom of pit after overexcavation, at 12.5 ft bgs. Approximately 18 cu. yds. of soil was removed from the site. Soil samples from the well boring were collected at 11, 16, 21, and 26 foot levels and were analyzed for TPHg, BTEX, and Lead. 7.3 ppm TPHg and 0.021 ppm benzene were found in the 16 foot soil sample. All other samples were ND for TPHg and BTEX. Lead levels in samples 21' and 26' were at 2.6 and 5.3 ppm respectively.

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

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IV. CLOSURE (cont'd)

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

Number Decommissioned: N/A

Number Retained: 1

List enforcement actions taken: N/A

List enforcement actions rescinded: N/A

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Amy Leech

Signature: *Amy Leech*

Title: Hazardous Materials Spec

Date: *01/26/95*

Reviewed by

Name: Tom Peacock

Signature: *Tom Peacock*

Title: Supervisor, LOP Program

Date: *1-27-95*

Name: Madhulla Logan

Signature: *Madhulla Logan*

Title: Hazardous Materials Spec

Date: *01/26/95*

VI. RWQCB NOTIFICATION

Date Submitted to RB: *01/27/95*

RWQCB Staff Name: Kevin Graves

RB Response: *Approved*

Title: San. Engineering Asso. Date: *2/1/95*

VII. ADDITIONAL COMMENTS

On October 31, 1988, two gasoline underground storage tanks were removed from the site: one - 288 gallon UST and one - 948 gallon UST. No holes were observed in either of the tanks but native soil around the larger gasoline tank appeared to be stained and had petroleum-like odors.

The tanks were located five feet apart. Two soil samples were collected from beneath the 948 gallon UST and two samples were taken from beneath the 288 gallon UST. Additionally, a sidewall sample at the fill end of the 948 gallon UST was taken where soil was severely stained and had a strong petroleum-like odor. Soil samples were not taken from beneath product lines; however, the pipes were reportedly intact with no evidence of holes and there was no staining in the trench beneath the product lines. Ground water was not encountered during the excavation.

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VII. ADDITIONAL COMMENTS (cont'd)

Laboratory results of the soil samples collected identified TPH as gasoline at 3,000 ppm and ND for benzene from the sidewall sample of the 948 gallon UST. The remaining samples were below 25 ppm for TPHg.

On December 2, 1988, 18 cu. yds. of contaminated soil was removed from the area around the 948 gallon UST. Five soil samples were taken at the boundaries of the excavation. The results ranged from ND to 86 ppm TPHg, ND for benzene and toluene, ND to 0.45 ppm xylene, and ND to 0.37 ppm ethylbenzene.

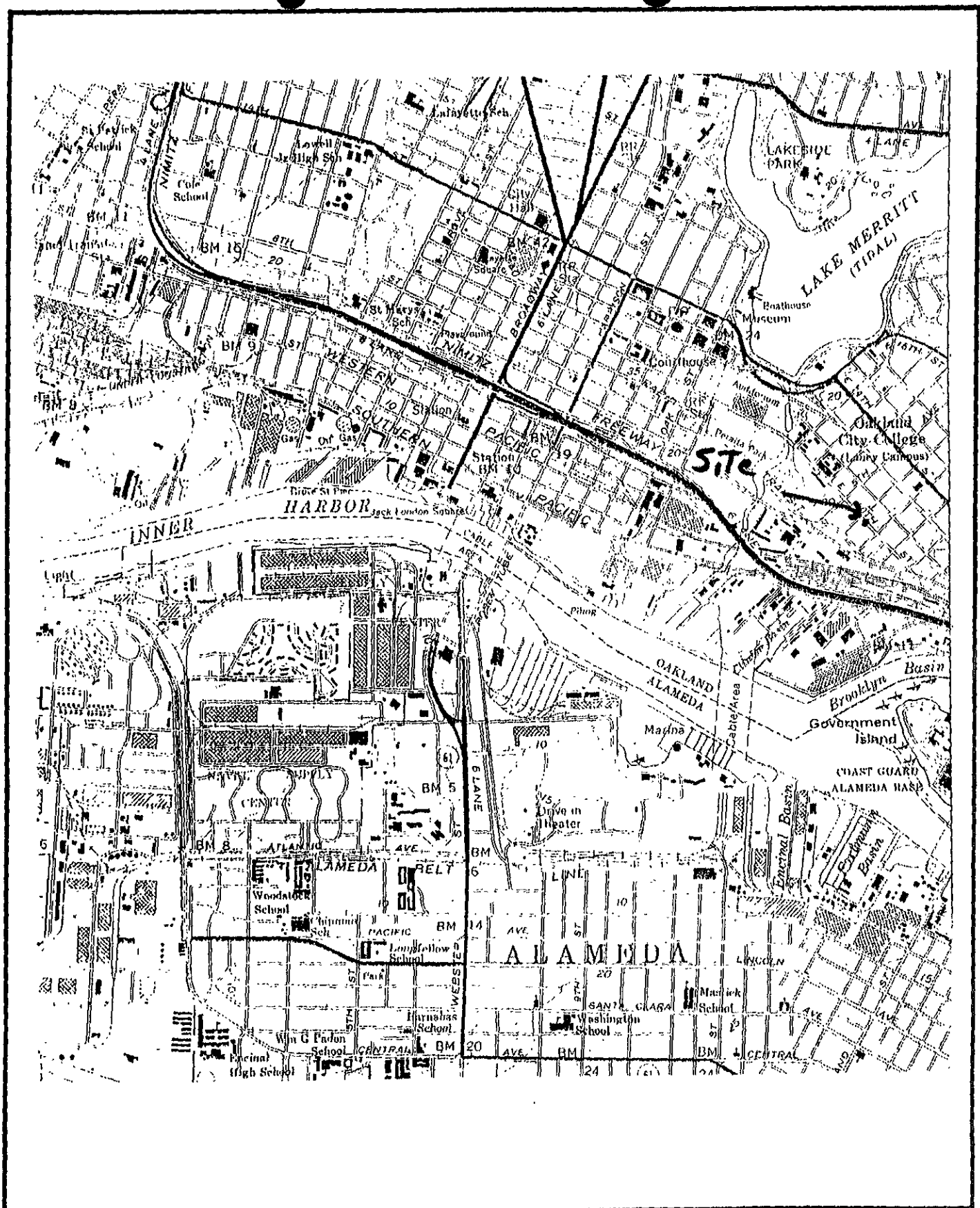
One monitoring well was installed on August 30, 1993 approximately 9 feet northwest of the former 948 gallon UST. The well location was determined to be downgradient of the contamination based on the premise that regional groundwater gradient was toward the west. The well was screened from 10 - 26 feet bgs. The average groundwater depth from 9/93 - 9/94 was approximately 9.0 feet. Investigation of the groundwater gradient in the area was attempted by measuring groundwater depth in monitoring wells at the B.A.R.T. site (8th St. & 5th Ave.) approximately 750 feet west southwest of the subject site. Newly constructed wells at the B.A.R.T. site had groundwater levels at approximately 25 feet bgs. The calculated gradient was a very slight slope to the west.

Based on this information, the groundwater at 630 E 10th St. is reportedly from a perched water table. Additionally, the monitoring well recharges very slowly. The monitoring well was located within close proximity to the contaminated soils (within 5 feet of the fill end of the 948 gallon tank) so that diffussional, as well as, gradient forces could have influenced contaminant migration toward the monitoring well.

The well was monitored for four quarters. Analyses were made for TPHg and BTEX. The highest TPHg level was 370 ppb on September 2, 1993. The highest benzene was at 2.8 ppb on 09/02/93. No contaminants were detected above the detection limits for the last two quarters of testing (6/17/94 & 9/19/94).

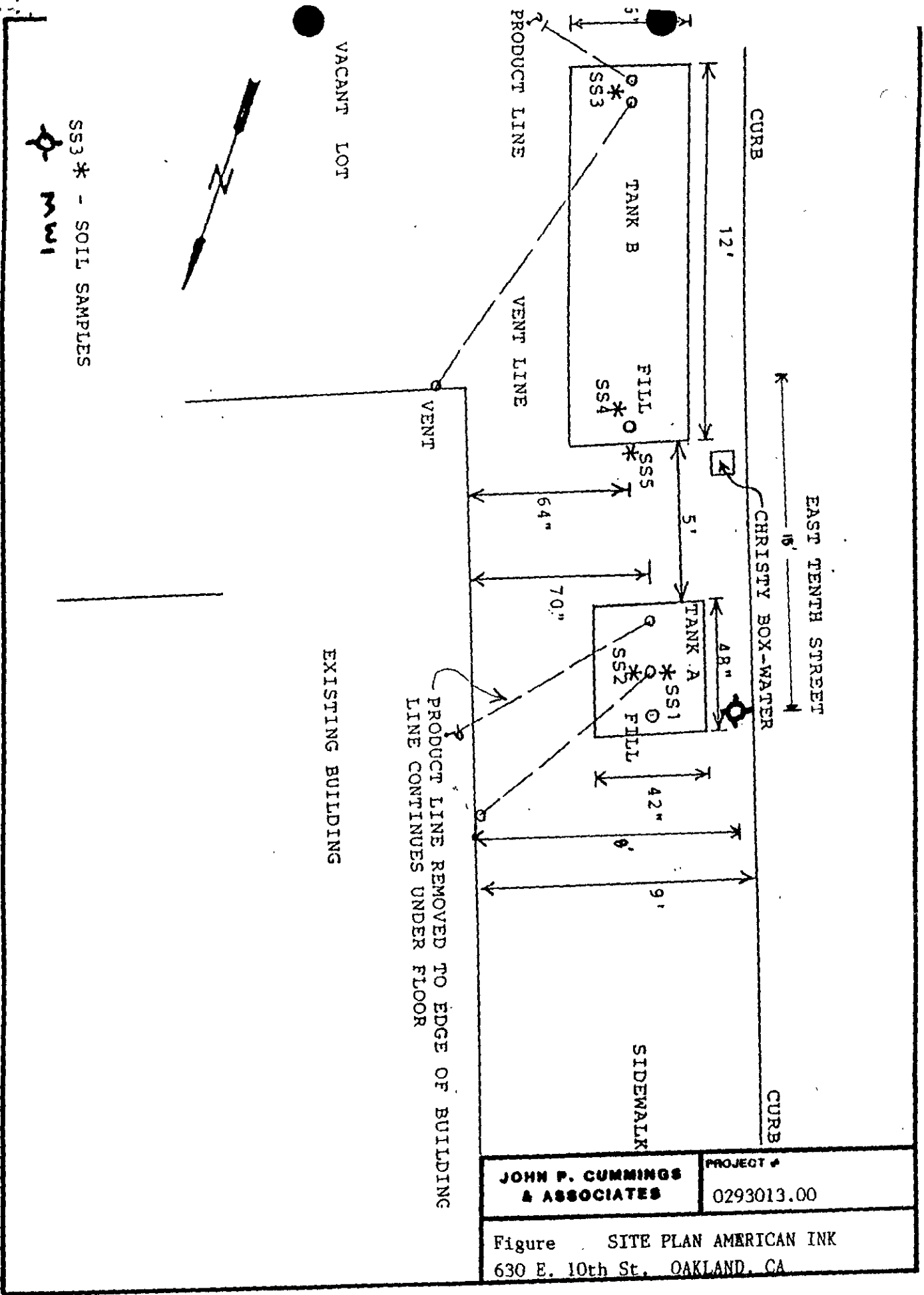
It appears that the soil contamination observed at this site was localized to the area around the 948 gallon UST fill end. Most of the contaminated soil was removed and groundwater was shown to have been minimally impacted.

This site is recommended for case closure.



JOHN P. CUMMINGS & ASSOCIATES	PROJECT # 0293013.00
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Figure 1. SITE LOCATION AMERICAN INK
 630 E. 10th St. OAKLAND, CA



SS3* - SOIL SAMPLES
 φ MW1

JOHN P. CUMMINGS & ASSOCIATES	PROJECT # 0293013.00
Figure SITE PLAN AMERICAN INK 630 E. 10th St. OAKLAND, CA	

BORING LOG

Project American Ink
 Location 630 East 10th Street
 Job # 0293013.00
 Geologist/Engineer John N. Alt
 Drill Agency Great Sierra

Hole/Well # MW-1
 Diameter of Drill Hole 8"
 Total Depth of Hole 25'
 Date Started 8/30/93
 Date Completed 8/30/93

DEPTH IN FEET	WELL CONSTRUCTION DETAIL	N-VALUE	SAMPLE	GRAPHIC SYMBOL	DESCRIPTION	
0	<p style="text-align: center;">2" dia. Sch. 40 PVC, 0.01" slotted pipe</p> <p style="text-align: center;">Grout</p> <p style="text-align: center;">Bentonite Seal</p> <p style="text-align: center;">Sand pack</p>				<p>Approx, 6" of concrete Brown sand, medium grained Moist - fill.</p>	
5					<p>Dark brown sandy clay, moist fill(?) - ranges to clayey sand</p>	
10						<p>Light brown clay with blue-gray mottling, moist, stiff - native soil.</p>
15						<p>Light gray clay with brown mottling, stiff plastic grading to light brown clay.</p>
20						<p>Gray silty fine sand, with some clay, moist reddish brown mottling.</p>

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