



July 8, 1997  
STID 3905  
page 1 of 2

ENVIRONMENTAL HEALTH SERVICES  
ENVIRONMENTAL PROTECTION (LOP)  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577  
(510) 567-6700  
FAX (510) 337-9335

Robert Redd  
Armored Transport Inc.  
3021 Gilroy St.  
Los Angeles CA 90039

**REMEDIAL ACTION COMPLETION CERTIFICATION**  
RE: **Armored Transport site, 1333-8th St., Oakland CA 94607**

Dear Mr Redd,

This letter confirms the completion of site investigation and remedial action for the three underground storage tanks formerly located at the above referenced site. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tanks is greatly appreciated.

Based on information in the above-referenced file, 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 our office if you have any questions regarding this matter.

Sincerely,

Mee Ling Tung, Director

cc: Gordon Coleman, Chief, Environmental Protection Division  
Kevin Graves, RWQCB  
Lori Casias, SWRCB  
Dave Deaner, SWRCB, UST Cleanup Fund Program  
Attn: Leroy Griffin, Supervisor, Hazardous Materials Program, City of Oakland, Fire  
Services Agency, 505-14th St., suite 702, Oakland CA 94612

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Robert Redd

Mark Bartee, Environmental Profiles Inc., 5480 Katella Ave., Suite 211, Los Alamitos CA  
90720-2823  
Jennifer Eberle (3 copies of letter only)

LOP/Completion  
je.3905clos.let

\* 01-2212  
1/10/97  
92/11/11

**CASE CLOSURE SUMMARY**  
**Leaking Underground Fuel Storage Tank Program**

**I. AGENCY INFORMATION**

**Date: 1/30/97**

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: **Armored Transport**  
Site facility address: **1333-8th St., Oakland CA 94607, aka 1300-7th St., Oakland CA 94607**  
RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: **3905**  
ULR filing date: **none filed** SWEEPS No: **N/A**

**Responsible Parties:** **Addresses:** **Phone Numbers:**  
Robert Redd, Armored Transport Inc., 3021 Gilroy St., Los Angeles CA 90039

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	6,000	gasoline	removed	11/21/94
2	12,000	diesel	removed	11/21/94
3	12,000	diesel	removed	11/21/94

**III. RELEASE AND SITE CHARACTERIZATION INFORMATION**

Cause and type of release: **unknown**  
Site characterization complete? **YES**  
Monitoring Wells installed? **YES** Number: **1**  
Proper screened interval? **YES**  
Highest GW depth below ground surface: **7.53'bgs** Lowest GW depth: **10.76'bgs**  
Flow direction: **presumed to be south-southwest towards the estuary**  
Most sensitive current use at present: **armored truck business**  
Are drinking water wells affected? **NO** Aquifer name: **n/a**  
Is surface water affected? **Probably not** Nearest SW name: **SF Bay**  
Off-site beneficial use impacts (addresses/locations): **n/a**  
Report(s) on file? **YES** Where is report(s) filed?  
**Alameda County, 1131 Harbor Bay Pky, Alameda Ca 94502**

## Leaking Underground Fuel Storage Tank Program

### 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	3 USTs	disposed to Erickson (#93481176 and #93481044)	11/21/94
Fuel in USTs	225 gal	disposed to Gibson in Redwood City (#93436935)	11/16/94
Soil	500 yd <sup>3</sup>	disposed to BFI landfill	12/94
Groundwater			

### 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)	ND	ND	139	ND
TPH (Diesel)	ND	ND	ND	ND
Benzene	ND	ND	0.171	ND
Toluene	ND	ND	0.566	ND
Ethylbenzene	ND	ND	5.463	ND
Xylene	ND	ND	0.369	ND

\* bottom of excavation samples from tank removal, 11/21/94; see Table 1

\*\* sidewall of excavation after overexcavation, 12/8/94; see Table 2

# grab water sample from excavation, 12/13/94

## MW sample

## 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? YES

Monitoring wells Decommissioned: ~~Not yet; waiting for RWQCB signoff~~

Number Decommissioned: ~~0~~ 1 Number Retained: ~~1~~ 0

yes - JE

List enforcement actions taken: none

List enforcement actions rescinded: none

### V. ADDITIONAL COMMENTS, DATA, ETC.

This site is located in West Oakland, near the West Oakland BART station. See Figure 1.

On 11/21/94, three steel USTs were removed: one 6,000-gal gasoline UST and two 12,000-gal diesel USTs. See Figure 2. Jennifer Eberle of Alameda County was onsite to witness the UST removals. There were no obvious holes in the USTs. The soil around the pipe connections appeared to be contaminated. The USTs were tar wrapped; however, the tar was dissolved around the fill ends of the gasoline UST and the end diesel UST. The native soil was sand with a trace of clay. The sandy backfill around the USTs appeared to be contaminated (HC odor). Seven soil samples were collected from the bottom of the UST pit at 13'bgs. These samples were analyzed for TPHg, TPHd, and BTEX. Results indicated ND in all 7 samples for all constituents. Two samples from the soil stockpiles were also collected. Results from the soil stockpiles indicated up to 520 mg/kg TPHg, up to 2,400 mg/kg TPHd, ND benzene, ND toluene, up to 3.1 mg/kg ethylbenzene, and up to 6.4 mg/kg xylenes. See Table 1 and Figure 3.

On 12/8/94, the UST pit was overexcavated and resampled. Jennifer Eberle of Alameda County arrived onsite and witnessed the collection of some of the soil samples. A total of 9 sidewall samples were collected. Groundwater began to enter the excavation at approximately 13'bgs. Two samples from the soil stockpiles were also collected. These samples were analyzed for TPHg, TPHd, and BTEX. Results indicated ND in all 9 sidewall samples for all constituents. Results from the soil stockpiles indicated up to 123 mg/kg TPHd, ND TPHg, and ND BTEX. See Table 2 and Figure 4.

On 12/13/94, a water sample was collected from the excavation. It was analyzed for TPHd, TPHg, and BTEX. Results indicated ND TPHd, 130 ug/L TPHg, 0.171 ug/L benzene, and some TEX.

**Leaking Underground Fuel Storage Tank Program**


On 10/2/95, one groundwater monitoring well was installed 10' from the former UST pit in the downgradient direction. See Figure 5. The groundwater gradient was determined from nearby sites with wells and established gradients. Soil samples were collected in the borehole at 5', 10', and 14.5'bgs. The samples were analyzed for TPHg, TPHd, and BTEX. Results indicated ND for all constituents in each soil sample. First encountered water was approximated at 12'bgs. See Figure 6 (well boring log).


Groundwater was monitored and sampled on 10/2/95, 3/3/96, 6/10/96, and 9/9/96. Results indicated ND TPHg, ND TPHd, and ND BTEX.


To summarize, the reasons that this case should be closed are as follows:

- \* The sources have been removed (three USTs and 500 cubic yards of contaminated soil);
- \* The site has been adequately characterized;
- \* No detectable concentrations of hydrocarbons were left in place in the soil; and
- \* The downgradient well has been ND for BTEX, TPHg and TPHd for four consecutive quarters;

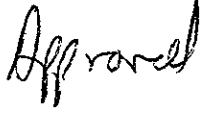
**VI. LOCAL AGENCY REPRESENTATIVE DATA**

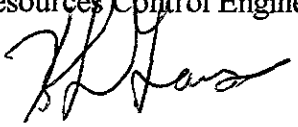
Name: Jennifer Eberle Title: Hazardous Materials Specialist  
Signature:  Date: 2-3-97

**Reviewed by**  
Name: Amy Leech Title: Hazardous Materials Specialist  
Signature:  Date: 2-3-97

Name: Tom Peacock Title: Manager of LOP  
Signature:  Date: 2-27-97

**VII. RWQCB NOTIFICATION**

Date Submitted to RWQCB: 2-27-97 RWQCB Response:   
RWQCB Staff Name: Kevin Graves Date: 3-18-97  
Associate Water Resources Control Engineer



1-7 in  
in cap. fringe

TABLE 1  
SOIL ANALYTICAL RESULTS - NOVEMBER 21, 1994  
ARMORED TRANSPORT OAKLAND  
(PPM)

SAMPLE ID	TPH GAS	TPH DIESEL	BENZENE	TOLUENE	XYLENES	ETHYL BENZENE
1	ND	ND	ND	ND	ND	ND
2	ND	ND	ND	ND	ND	ND
3	ND	ND	ND	ND	ND	ND
4	ND	ND	ND	ND	ND	ND
5	ND	ND	ND	ND	ND	ND
6	ND	ND	ND	ND	ND	ND
7	ND	ND	ND	ND	ND	ND

Comp 1-4 520 2400 ND ND 6.4 3.1  
Comp 5-8 150 490 " " 1.2 .090

TABLE 2  
SOIL ANALYTICAL RESULTS - DECEMBER 8, 1994  
ARMORED TRANSPORT OAKLAND  
(PPM)

1-9 in cap. fringe

SAMPLE ID	TPH GAS	TPH DIESEL	BENZENE	TOLUENE	XYLENES	ETHYL BENZENE
SW-1	ND	ND	ND	ND	ND	ND
SW-2	ND	ND	ND	ND	ND	ND
SW-3	ND	ND	ND	ND	ND	ND
SW-4	ND	ND	ND	ND	ND	ND
SW-5	ND	ND	ND	ND	ND	ND
SW-6	ND	ND	ND	ND	ND	ND
SW-7	ND	ND	ND	ND	ND	ND
SW-8	ND	ND	ND	ND	ND	ND
SW-9	ND	ND	ND	ND	ND	ND

Comp 1-4 ND 107 ↓ ↓ ↓ ↓  
Comp 5-8 ND 123

# Environmental Profiles, Inc.

5480 Katella Avenue, Suite 211, Los Alamitos, CA 90720-2834 • (310)493-2190 • FAX (310)430-5177

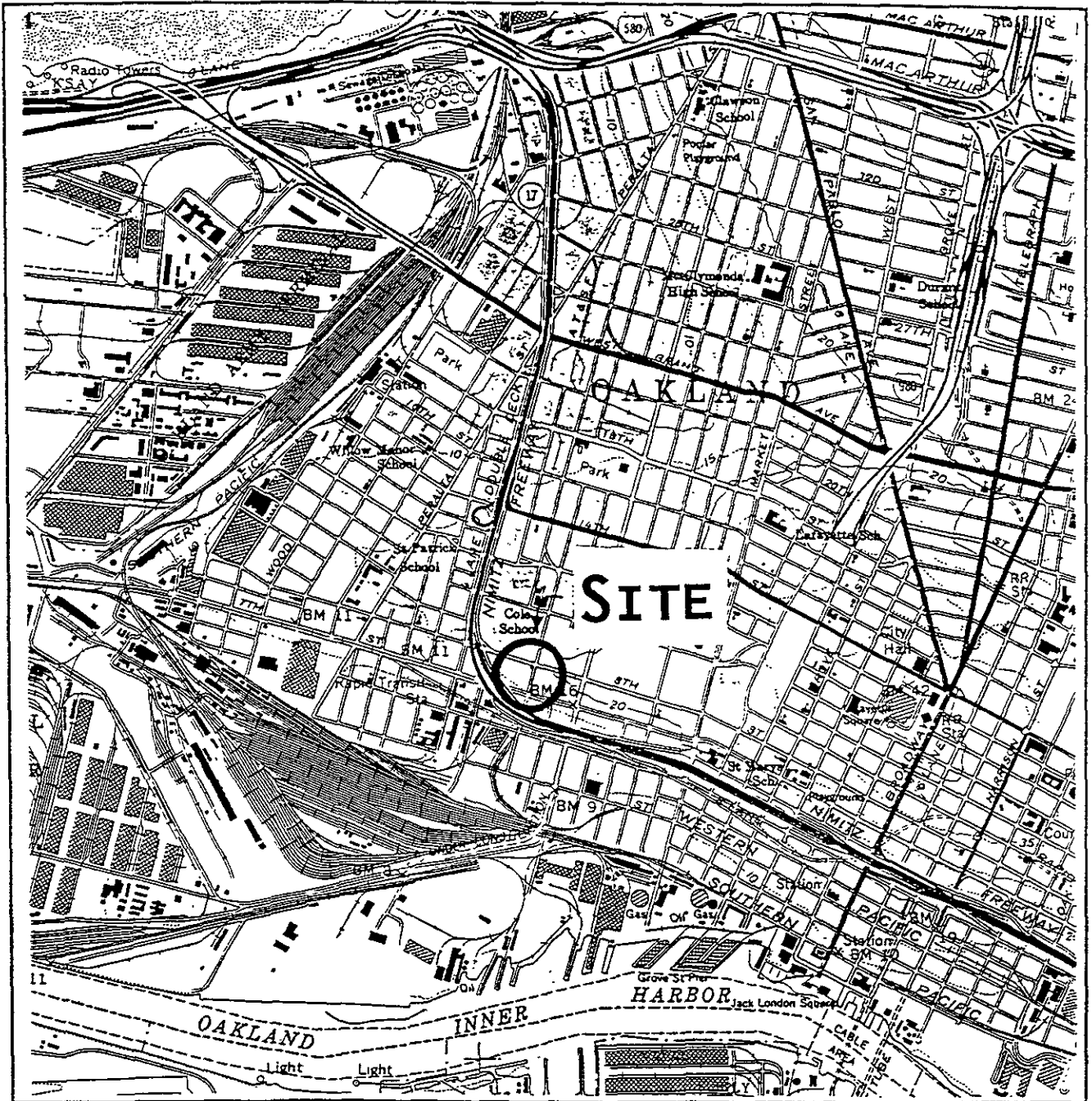
Project Name: Armored Transport Inc., Oakland

Job#: 44191

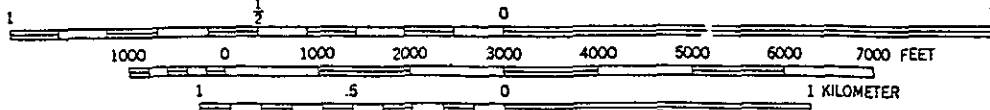
Location: 1333 8th Street, Oakland, California

Map Source: USGS Oakland West Quadrangle 7.5 Minute Series (topo)

## Figure 1 - Area Map



SCALE 1:24 000



CONTOUR INTERVAL 20 FEET

QUADRANGLE LOCATION



LEGEND

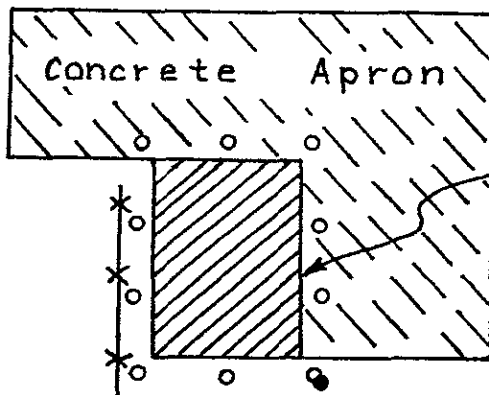
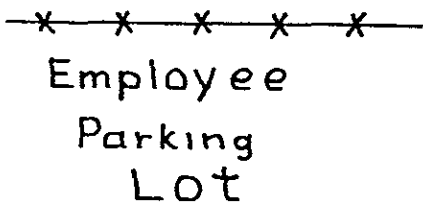
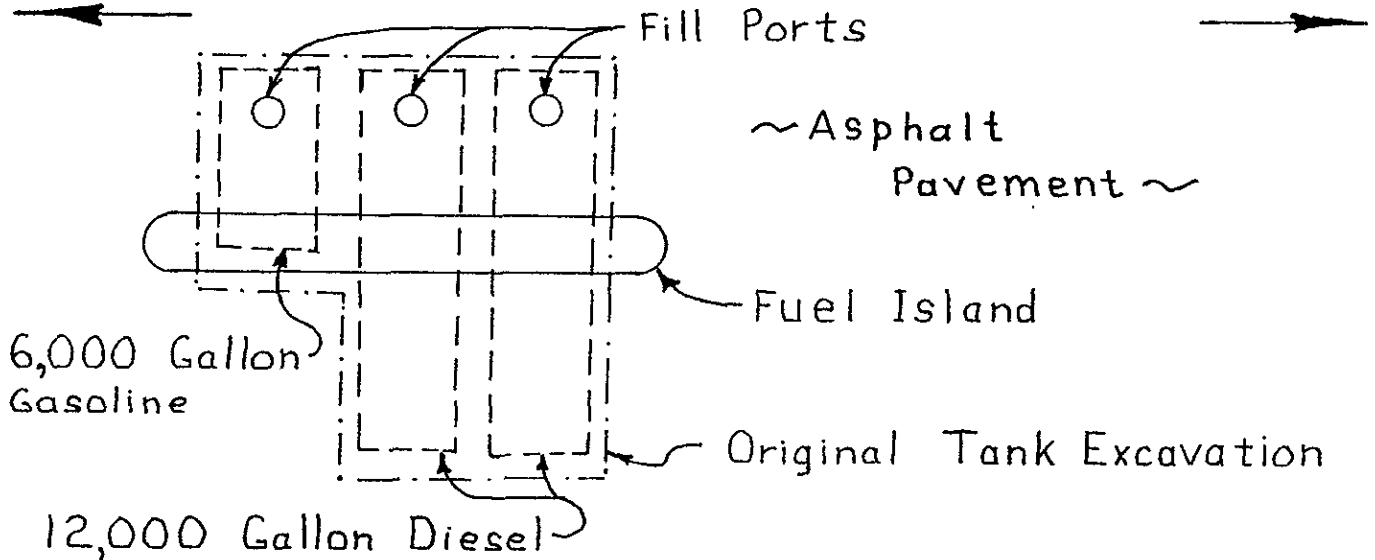
- X- - 6' Chain Link Fence
- o - Crash Post
- - Fire Extinguisher
- [ ] - Underground Fuel Tank



Fig. 2

8<sup>th</sup> Street

7<sup>th</sup> Street



4,000 Gallon CONVAULT Above Ground Tank

WEST & ASSOCIATES ENVIROMENTAL ENGINEERS

Armored Transport Inc. Oakland Facility

~~Plate 1~~

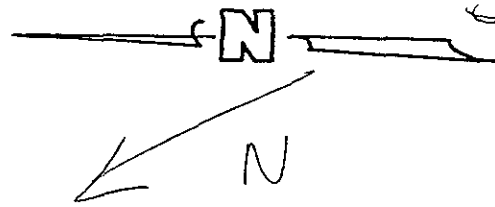
Scale : 1" = 15'

Drawn By : SLD

LEGEND

Fig. 3

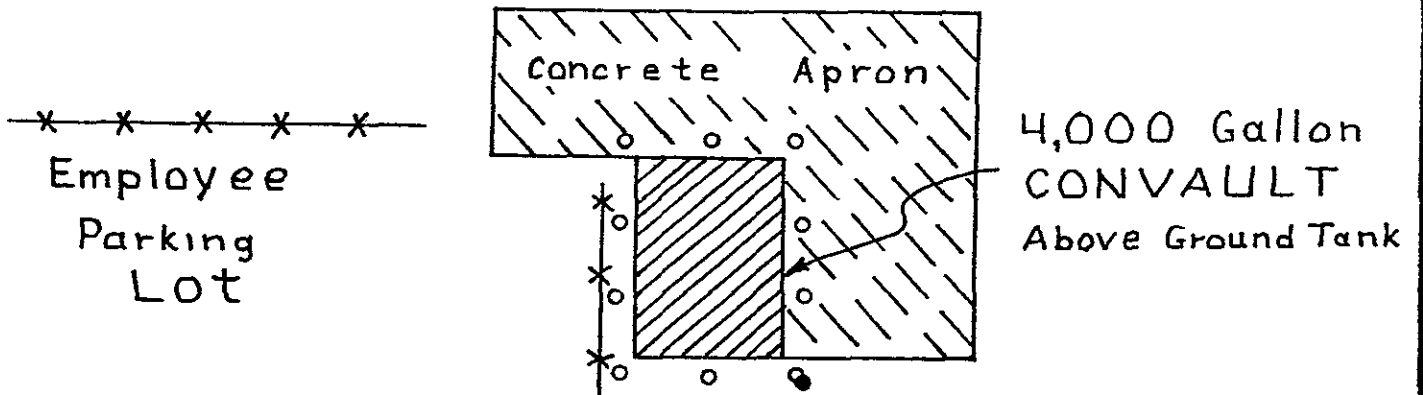
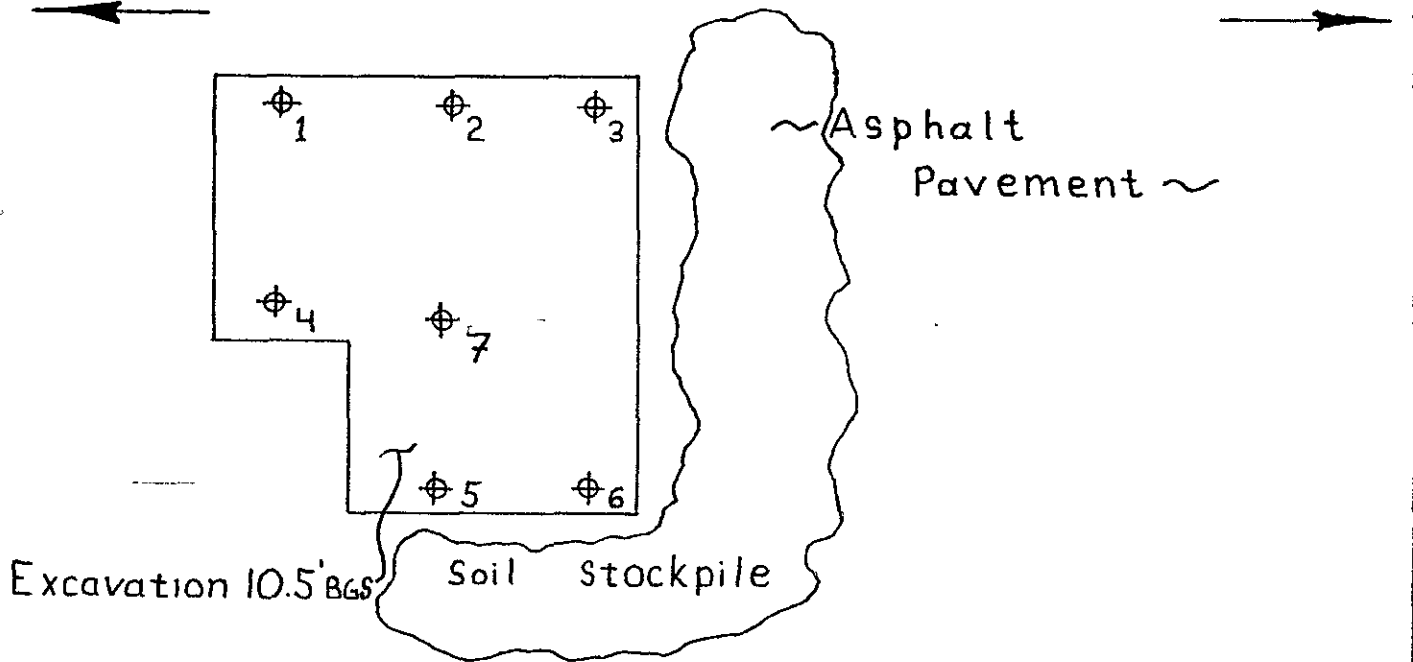
- ✕ - 6' Chain Link Fence
- - Crash Post
- - Fire Extinguisher
- ⊕ - Soil Sample Location



Pit Excavation November 21, 1994

8<sup>th</sup> Street

7<sup>th</sup> Street



WEST & ASSOCIATES ENVIROMENTAL ENGINEERS

Armored Transport Inc. Oakland Facility

~~Plate 2~~

Scale : 1" = 15'

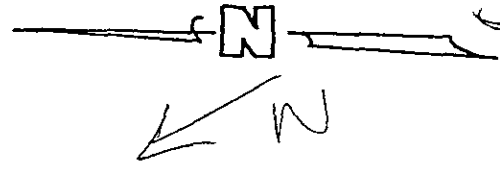
Drawn By: SLD

Operations Building

Fig. 4

LEGEND

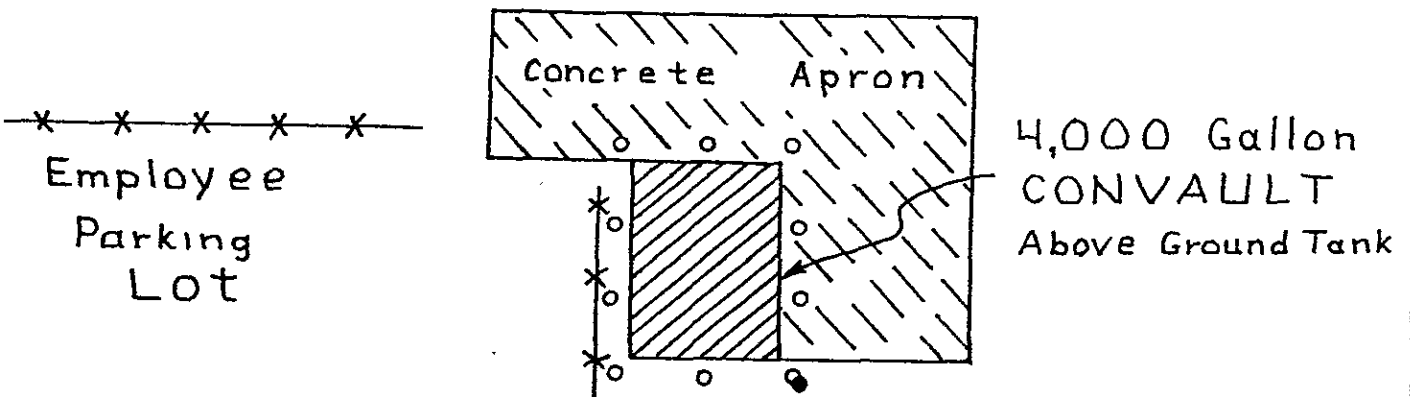
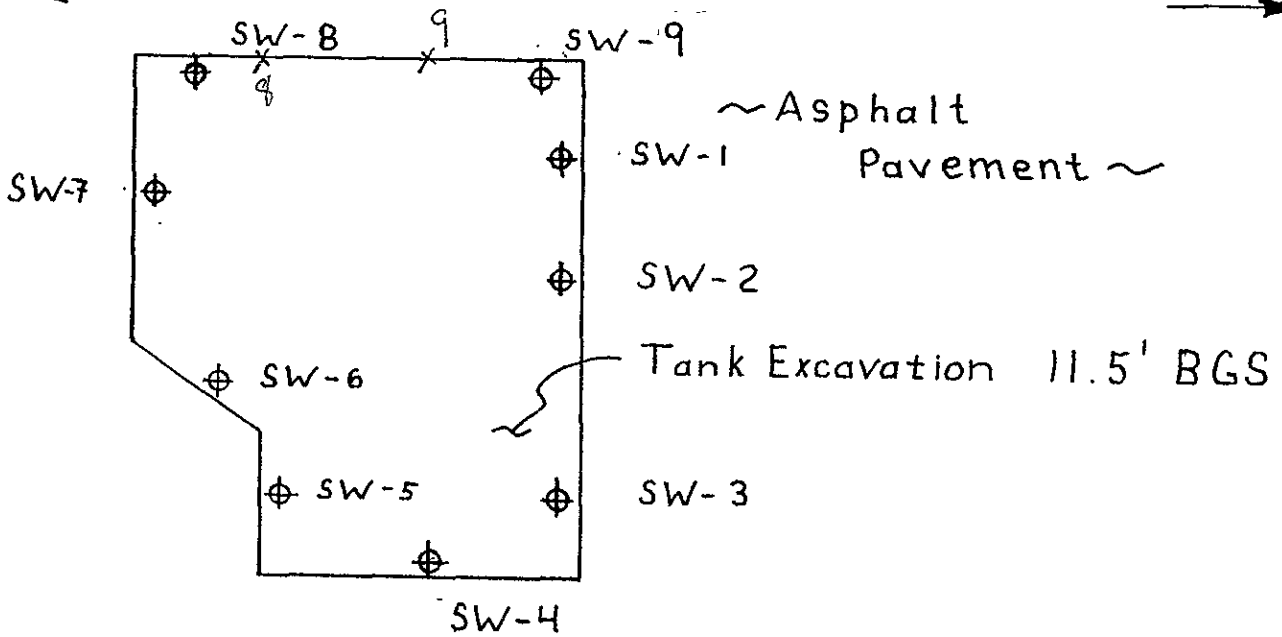
- X - 6' Chain Link Fence
- o - Crash Post
- - Fire Extinguisher
- ⊕ - Soil Sample Location (Sidewall)



Maximum Pit Dimension - December 8, 1994

8th Street

7th Street



WEST & ASSOCIATES ENVIROMENTAL ENGINEERS

Armored Transport Inc. Oakland Facility

~~Plate~~

Scale : 1" = 15'

Drawn By: SLD

# Environmental Profiles, Inc.

5480 Katella Ave., Ste. 211, Los Alamitos, CA 90720 •• (310)493-2190 •• FAX (310)430-5177

Project Name: Armored Transport, Inc.

Job#: 44191

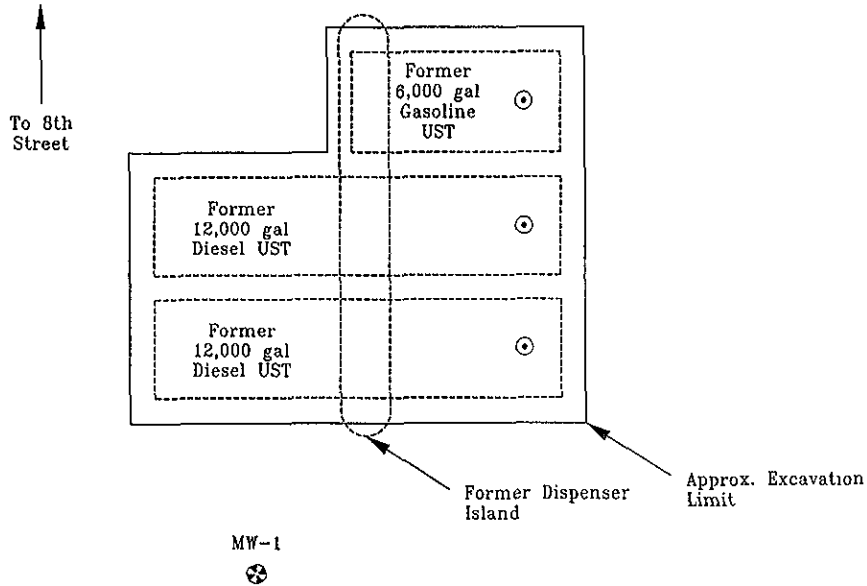
Site Location: 1333 8th Street, Oakland, CA 94607

Drawing By: T. Draper

Date: 11/2/95

Engineer: Matthew J. Walker, P.E.

Figure 5 - Site Diagram



## LEGEND

- ⊙ Former Fillport Location
- ⊗ Groundwater Monitoring Well

scale?  
1" = 10'

## Monitoring Well No. MW-1

Fig. 6

PROJECT: ATI-Oakland

DATE: 7-7-95

LOGGED BY: Brian West

DRILL RIG: IH-PD

HOLE DIA.: 8.25 O.D. in.

SAMPLER: Cal 2.0" Split Spoon

INITIAL GW DEPTH: 12 Feet ft.

FINAL GW: NA ft.

HOLE ELEV.: NA NA

DESCRIPTION	USCS CLASS	GRAPHIC LOG	DEPTH	SAMPLE	PID (ppm)	WELL CONSTRUCTION DETAIL
Asphalt and road base	SW	[Graphic Log: 0-1 ft]	0			Boring completed to ground surface with 12" traffic rated street box
Sand (SW), Moderate brown (5 YR 3/4), moist, medium dense, medium grained, no petroleum odor (0,80,15,5)		[Graphic Log: 1-5 ft]	1			boring completed w portland cement grout
			2			
Same as above, with increase in moisture		[Graphic Log: 5-10 ft]	3	NA		hydrated bentonite pellets
			4			
approximate first groundwater		[Graphic Log: 10-15 ft]	5			2" PVC Blank casing
			6			
Same as above, with increase in clay fraction		[Graphic Log: 15-17 ft]	7	NA		Lonestar # 2/12 sa
			8			
Boring terminated at seventeen (17) feet below ground surface. Groundwater encountered at approximately twelve (12) feet bgs.		[Graphic Log: 17-20 ft]	9			0.010 slot screen PVC
			10			
			11			threaded end cap
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
			20			

EPI

Environmental Profiles, Inc  
Los Alamitos, California

Notes:

(5 YR 2/2) Geological Society of America Rock Color Chart, Munsell color designation (15,70,10,5) X sample fractions (gravel, sand, silt, clay)

Project No  
44191

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