ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

March 26, 1997

STID 1978

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

REMEDIAL ACTION COMPLETION CERTIFICATION

Pleasanton Unified School District
4700 First Street
Pleasanton, CA 94566
Attn: Mike Ananos

RE: AMADOR HIGH SCHOOL TRANSPORTATION YARD, 1155 SANTA RITA ROAD, PLEASANTON

Dear Mr. Ananos:

This letter confirms the completion of a site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tanks are 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 Section 2721(e) of Title 23 of the California Code of Regulations.

Please contact our office if you have any questions regarding this matter.

Sincerely,

Mee Ling Tung
Director, Environmental Health Services

c: Gordon Coleman, Acting Chief, Env. Protection Division
Kevin Graves, RWQCB
Lori Casias, SWRCB (w/attachment)
Chris Boykin, Pleasanton Fire Department (w/attachment)
SOS/files

~ SIGNED COPY -

01-2074

CALIFORNIA REGIONAL WATER

MAR 0 6 1997

QUALITY CONTROL BOARD

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION **Date: 03/04/97**

Agency name: **Alameda County-EPD** Address: **1131 Harbor Bay Pkwy #250**
City/State/Zip: **Alameda, CA 94502** Phone: **(510) 567-6700**
Responsible staff person: **Scott Seery** Title: **Sr. Haz. Materials Spec.**

II. CASE INFORMATION

Site facility name: **Amador High School**
Site facility address: **1155 Santa Rita Road Pleasanton, CA 94566**
RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: **1978**
URF filing date: 02/25/97 SWEEPS No: **N/A**

Responsible Parties:	Addresses:	Phone Numbers:
Pleasanton Unified School District Attn: Mike Ananos	4700 First Street Pleasanton, CA 94566	(510) 426-4400

Tank No:	Size in gal.:	Contents:	Closed in-place or removed?:	Date:
1	200	waste oil	removed	07/14/92
2	1000	gasoline	"	"
3	<4000>	<diesel>	<removed>	<07/14/92>
4	6000	gasoline	removed	07/14/92

Note: Brackets (<>) denote above-ground tank.

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: dispenser leak / overspilling

Site characterization complete? YES

Date approved by oversight agency:

Monitoring Wells installed? NO Number: NA

Proper screened interval? NA

Highest GW depth below ground surface: > 30' Lowest depth: UNK

Flow direction: UNK (but presumed *south* towards Arroyo del Valle)

Most sensitive current use: school transportation yard / school grounds

Are drinking water wells affected? NO Aquifer name: Amador Subbasin

Leaking Underground Fuel Storage Tank Program

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued)

Is surface water affected? NO Nearest affected SW name: NA

Off-site beneficial use impacts (addresses/locations):

Report(s) on file? **YES** Where is report filed? **Alameda County**
1131 Harbor Bay Pkwy
Alameda CA 94502

Treatment and Disposal of Affected Material:

Material	Amount (include units)	Action (Treatment of Disposal w/destination)	Date
Tank	200, 1K, 4K 6K gals	Disposal - Erickson, Inc Richmond, CA	07/14/92
Piping	UNK		
Product	400 gals	Recycle - Alviso Oil Alviso, CA	07/13/92
Soil	144 yds^3	Disposal - Forward Inc. LF Stockton, CA	08/27/92
	126 yds^3	Disposal - BFI LF Livermore, CA	08/28/92
Groundwater	NA		
Barrels	"		

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant		Soil (ppm) Before[1]	Soil (ppm) After[2]	Water (ppm) Before	Water (ppm) After
TPH (Gas)		8700	ND	NA	NA
TPH (Diesel)		1500	"		
Benzene		0.14	"		
Toluene		19	"		
Xylene		180	"		
Ethylbenzene		13	"		
Oil & Grease		<50	NA		
Heavy metals	**Pb**	0.071	5.2		
	Ni	100	NA		
	Cr	66	"		
Other	**HVOC**	ND	"		
	PNA	"	"		

Note: 1) "Before" soil results for TPH-G, BTEX and Pb from initial samples collected below the dispenser of Tank 4 (gasoline) @ 2.5' depth. TOG, HVOC and remaining metals from sample collected below Tank 1 (waste oil) @ 6' depth. TPH-D results from sample collected below above-ground Tank 3 @ 1.5' depth.

2) "After" soil Pb result from 5.5' sample collected below Tank 4.

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Comments (Depth of Remediation, etc.):

Three (3) USTs (Tanks 1, 2 and 4) and one above-ground storage tank (Tank 3) were removed from the transportation yard on July 14, 1992. A description of each follows.

Tank 1 - 200 gallon waste oil UST

Soil at the bottom of the excavation was reportedly discolored. A single sample was collected at 6' BG and analyzed for the suite of waste oil target compounds. Except for the presence of apparent geogenic concentrations of certain metals, no other target compounds were identified (*See* Table 1).

Excavated material was removed to the Forward, Inc. Class II landfill (Stockton, CA). The pit was restored using material derived from parking lot construction elsewhere on this site.

Tank 2 - 1000 gallon gasoline UST

Soil within the tank excavation appeared "clean." A sample was collected at the base of both ends of the excavation at a depth of 8' BG. No detectable target compounds were identified. The pit was restored using both material removed originally from this excavation and from the parking lot construction.

Tank 3 - 4000 gallon above-ground diesel

After removal of the tank, soil was excavated and samples collected from two areas underneath the tank and one below the dispenser at 1.5' BG. Up to 1500 ppm TPH-D was discovered in the sample collected below the fill (west) end of the tank, and 370 ppm TPH-D was found in the sample collected below the dispenser. No BTEX were identified.

Two additional rounds of excavation and sampling followed, as a result of discrepancies in previous lab data and the discovery of discolored soil at the 10' depth following the first round of overexcavation. No detectable TPH-D was identified in final samples. Final pit depth was extended to 18' in the west end as a result of this work.

The pit was restored using material derived from parking lot construction, augmented with 130 yds^3 of imported Class II aggregate. Excavated material was transported to Forward, Inc. landfill for disposal.

Tank 4 - 6000 gallon gasoline UST

Soil was reportedly stained to approximately 12' BG on the dispenser (south) side of the excavation. Initial samples were collected at the base of the excavation at 12' BG and below the dispenser in the pit sidewall.

Leaking Underground Fuel Storage Tank Program

No detectable target compounds were identified in the pit bottom samples. However, up to 8700 ppm TPH-G and 0.14 ppm benzene were identified in the sample collected below the dispenser (T4D).

Additional excavation was performed as a result of the initial findings. During this work, backfill from a previous leaded gasoline UST was encountered, reportedly prompting the widening on this excavation until it was apparent that all contaminated materials had been removed.

Confirmation samples (3) were collected from both pit sidewalls and bottom. No detectable fuel compounds were identified. Only (apparent) geogenic Pb concentrations were noted.

The pit was restored using both material derived from the parking lot construction and Class II aggregate import. Stockpiled material was removed to BFI landfill (Livermore, CA) after limited on-site treatment to reduce concentrations.

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 Decommisioned: NA

Number Decommisioned: NA Number Retained: NA

List enforcement actions taken: NONE

List enforcement actions rescinded: NA

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Scott Seery Title: Sr. Haz Mat Specialist
Signature: Date: 3/4/97

Reviewed by
Name: Tom Peacock Title: Supervising Haz Mat Specialist
Signature: Date: 3-3-97

Name: Kevin Tinsley Title: Haz Mat Specialist
Signature: Date: 2/27/97

OK RWQCB 3-18-97

Leaking Underground Fuel Storage Tank Program

VI. RWQCB NOTIFICATION

Date Submitted to RB: 3/4/97 RB Response: Approved
RWQCB Staff Name: Kevin Graves Title: San. Eng. Assoc. Date: 3/26/97

VII. ADDITIONAL COMMENTS, DATA, ETC.

No further assessment or clean-up work are warranted for the following reasons:

- USTs and other contaminant sources (e.g., soil) were successfully removed from the site
- Contamination appeared substantially isolated to a limited area within one UST pit and below the above-ground diesel tank
- Native materials surrounding and below former USTs and above-ground tank are predominantly fined-grained silt/clays
- Groundwater is expected to be > 30' below surface grade (and therefore not at risk) based on data derived from an investigation at a nearby site; the nearest surface water body (Arroyo del Valle) is located 300' feet to the south
- Site is currently a paved area used for parking of district vehicles and is open to outside air

TABLE 1

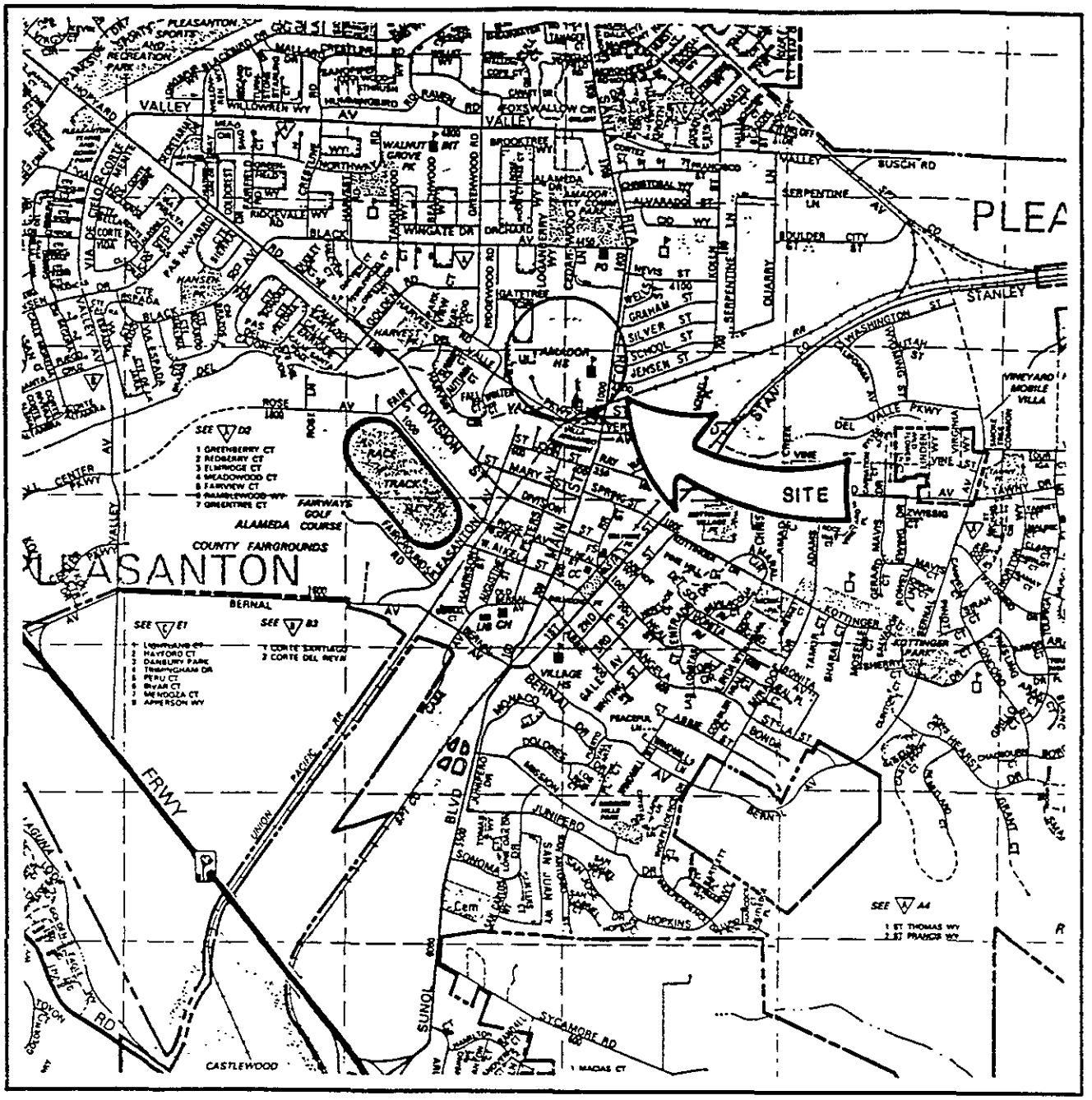
SOIL SAMPLE ANALYSIS-TANKS 1-4

Sample Number	Date Sampled	Depth (feet)	Benzene (ppm)	Toluene (ppm)	Ethyl Benzene (ppm)	Total Xylenes (ppm)	TPHg (ppm)	TPHd (ppm)	TOG (ppm)	Extractable Organics (ppb)	Halogenated Volatile Organics (ppb)	Lead (ppm)	Other Metals (ppm)
waste oil **Tank 1**													
T1	7/14/92	6	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	<50	ND	ND	<0.050	100* 57** 66***
Tank 2 unleaded gas													
T2 E	7/14/92	8	<0.005	<0.005	<0.005	<0.005	<1.0	NR	NR	NR	NR	NR	NR
T2 W	7/14/92	8	<0.005	<0.005	<0.005	<0.005	<1.0	NR	NR	NR	NR	NR	NR
Tank 3 above ground diesel													
fill end → T3 E	7/14/92	1-1/2	<0.005	<0.005	<0.005	<0.005	NR	4.0	NR	NR	NR	NR	NR
T3 W	7/14/92	1-1/2	<0.005	<0.005	<0.005	<0.005	NR	1,500	NR	NR	NR	NR	NR
T3 D	7/14/92	1-1/2	<0.005	<0.005	<0.005	<0.005	NR	370 °	NR	NR	NR	NR	NR
over ex samples T3 W-2	7/31/92	4	<0.005	<0.005	<0.005	<0.005	NR	520	NR	NR	NR	NR	NR
T3 W-3	8/3/92	8	NR	NR	NR	NR	NR	830	NR	NR	NR	NR	NR
T3 SW-W	8/17/92	12	<0.005	<0.005	<0.005	<0.005	NR	<1.0	NR	NR	NR	NR	NR
T3 SW-E	8/17/92	10	<0.005	<0.005	<0.005	<0.005	NR	<1.0	NR	NR	NR	NR	NR
T3 SW-S	8/17/92	9-1/2	<0.005	<0.005	<0.005	<0.005	NR	<1.0	NR	NR	NR	NR	NR
T3 SW-N	8/18/92	15	<0.005	<0.005	<0.005	<0.005	NR	<1.0	NR	NR	NR	NR	NR
T3-4	8/18/92	18	<0.005	<0.005	<0.005	<0.005	NR	<1.0	NR	NR	NR	NR	NR
Tank 4													
T4 N	7/14/92	12	<0.005	0.049	0.014	0.39	7.4	NR	NR	NR	NR	<0.050	NR
T4 S	7/14/92	12	<0.005	<0.005	<0.005	<0.005	<1.0	NR	NR	NR	NR	<0.050	NR
diesel → T4 D	7/14/92	2-1/2	0.14	19	13	180	8,700	NR	NR	NR	NR	0.071	NR
over ex samples T4 N-SW	7/31/92	5-1/2	<0.005	<0.005	<0.005	<0.005	<1.0	NR	NR	NR	NR	5.2	NR
T4 S-SW	7/31/92	5-1/2	<0.005	<0.005	<0.005	<0.005	<1.0	NR	NR	NR	NR	5.2	NR
T4 N-2	7/31/92	12	<0.005	<0.005	<0.005	<0.005	<1.0	NR	NR	NR	NR	<5.0	NR

TPHg Total petroleum hydrocarbons as gasoline
TPHd Total petroleum hydrocarbons as diesel
TOG Total oil and grease
ppm Parts per million
ND Not detected

NR Not requested
* Nickel
** Zinc
*** Chromium
° Chromatograph indicates higher boiling point hydrocarbons predominate

T1 Waste oil pit
T2 Unleaded gasoline pit
T3 Diesel pit (above grnd)
T4 Leaded gasoline pit



SOURCE: THOMAS BROTHER'S GUIDE
ALAMEDA COUNTY, CALIFORNIA
1991

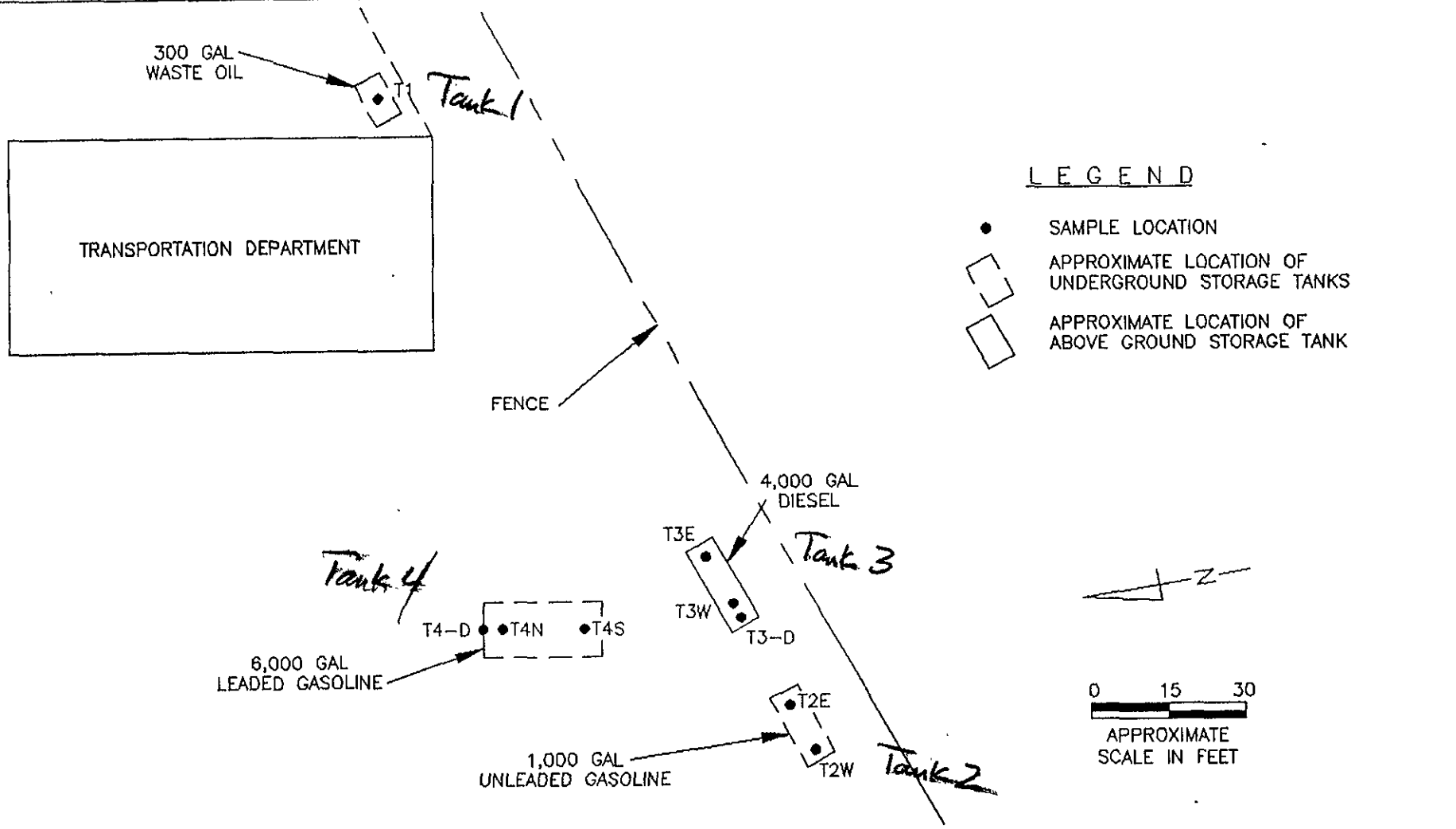
N

APPROXIMATE SCALE

0 1100 2200 4400

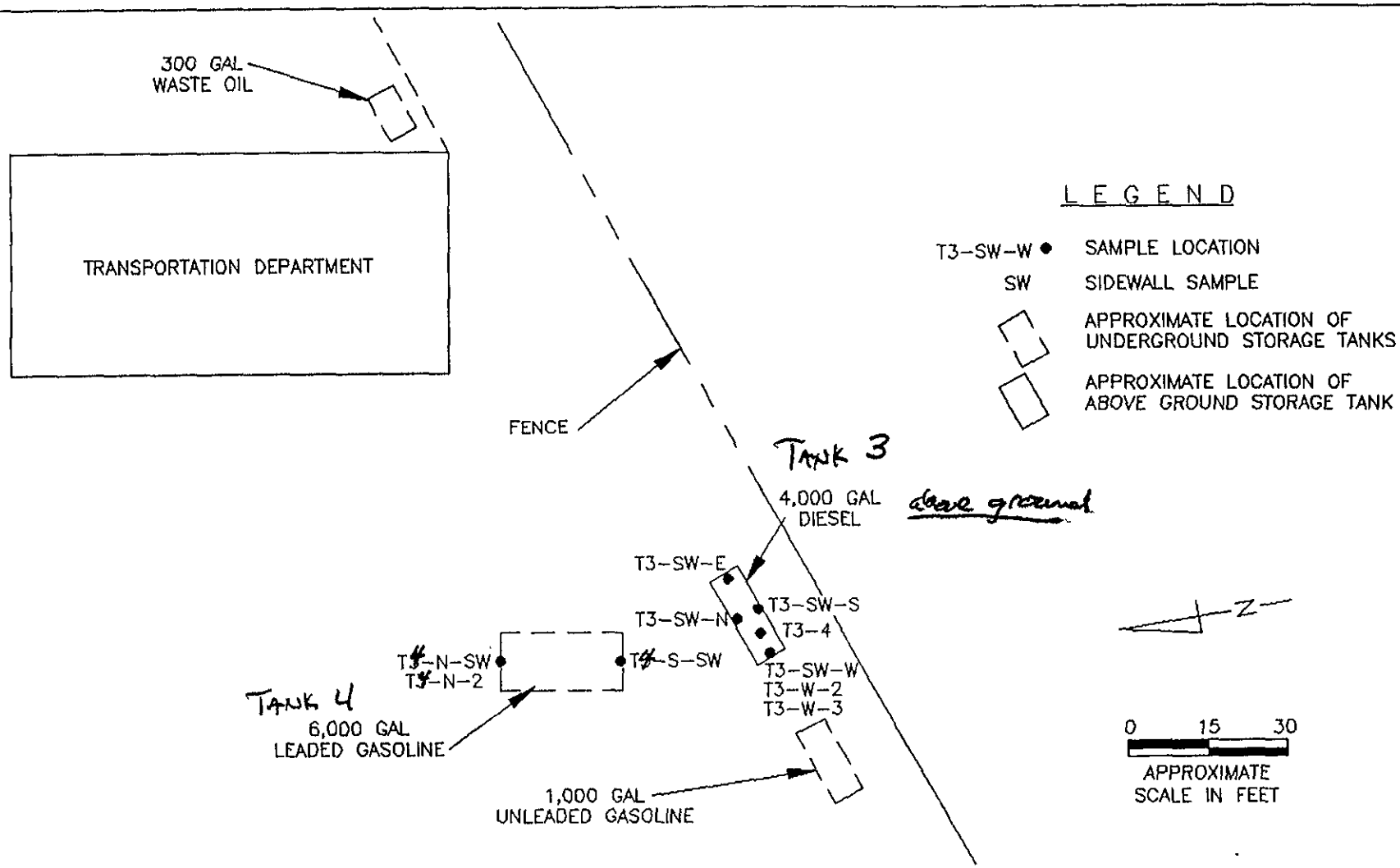
FEET

RESNA	SITE LOCATION MAP	PLATE
	AMADOR VALLEY HIGH SCHOOL	1
	1155 SANTA RITA ROAD	
PROJECT NO. E1103.11	PLEASANTON, CALIFORNIA	



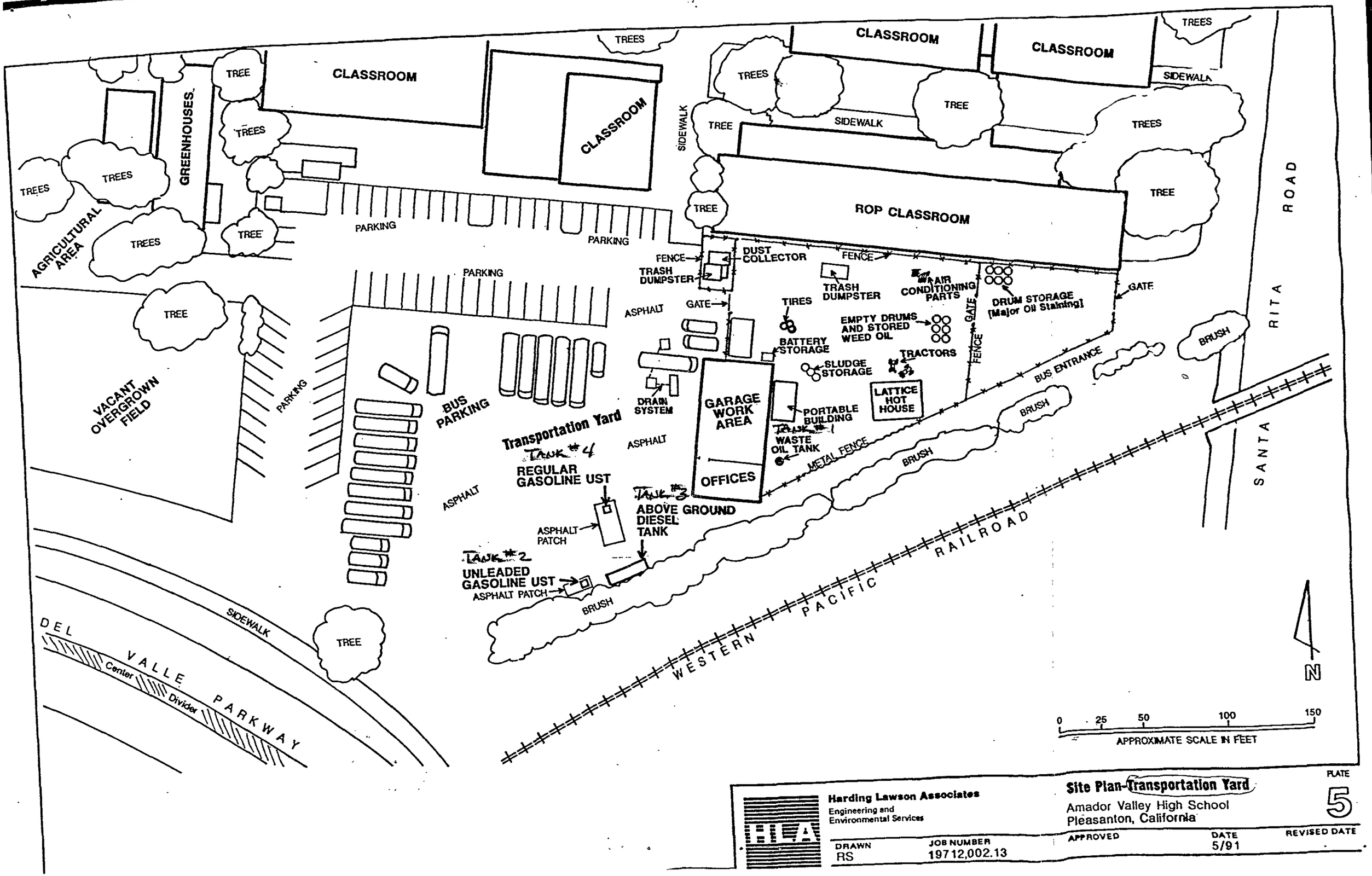
E1103-SL

PLATE	TANK PIT SAMPLE LOCATION MAP–EXCAVATION 1	INITIAL SAMPLES
3	AMADOR VALLEY HIGH SCHOOL	
	1155 SANTA RITA ROAD	PROJECT NO. E1103.11
	PLEASANTON, CALIFORNIA	



E1103SL2

PLATE	TANK PIT SAMPLE LOCATION MAP – EXCAVATIONS ~~2~~ 3 AND ~~3~~ 4	over excavated samples
4	AMADOR VALLEY HIGH SCHOOL	
	1155 SANTA RITA ROAD	
	PLEASANTON, CALIFORNIA	PROJECT NO. E1103.11



Harding Lawson Associates
Engineering and Environmental Services

Site Plan-Transportation Yard
Amador Valley High School
Pleasanton, California

PLATE 5

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
RS	19712,002.13		5/91	