

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

REMEDIAL ACTION COMPLETION CERTIFICATION

**RO-2434 - 5481 Brisa Street, Livermore, CA
(1-2,500 and 1-6,000 gallon tank removed on February 2, 2001)**

November 1, 2001

Mr. Walter Kivett
Beverly Kivett Trust
10115 Regeo Ct
Lafayette, CA 94549

Mr. Ed Loss
Tri Valley Transportation
5481 Brisa St
Livermore, CA 94550

Dear Messrs. Kivett and Loss:

This letter confirms the completion of site investigation and corrective 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, this agency finds that the site investigation and corrective action carried out at your underground storage tank site is in compliance with the requirements of subdivisions (a) and (b) of Section 25299.37 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.77 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (h) of Section 25299.37 of the Health and Safety Code. Please contact our office if you have any questions regarding this matter.

Sincerely,


Mee Ling Tung, Director

cc: Chuck Headlee, RWQCB (w/o)
Dave Deaner, SWRCB (w/o)
Danielle Stefani, Livermore-Pleasanton Fire Department (w/o)
Michael Veiluva, 1220 Oakland Blvd, Suite 200, Walnut Creek, CA 94596-4337 (w/o)
files-ec (trivalley-4)

OCT 15 2001

CASE CLOSURE SUMMARY
 Leaking Underground Fuel Storage Tank Program **QUALITY CONTROL BOARD**

I. AGENCY INFORMATION

Date: October 3, 2001

Agency name: **Alameda County-HazMat**
 City/State/Zip: **Alameda, CA 94502**
 Responsible staff person: **Eva Chu**

Address: **1131 Harbor Bay Pkwy**
 Phone: **(510) 567-6700**
 Title: **Hazardous Materials Spec.**

II. CASE INFORMATION

Site facility name: **Tri Valley Transportation**
 Site facility address: **5481 Brisa St, Livermore, CA 94550**
 RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: **RO0002434**
 URF filing date: **2/26/01** SWEEPS No: **N/A**

Responsible Parties:

Addresses:

Phone Numbers:

Beverly Kivett Trust
 c/o Walter Kivett
 1015 Regeo Ct
 Lafayette, CA 94549

Tri Valley Transportation
 Ed Loss
 5481 Brisa St
 Livermore, CA 94550
 (925) 606-3099

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	2,500	Gasoline	Removed	2/2/01
2	6,000	Diesel	"	"

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: **Unknown cause of diesel/gasoline release.**
 Site characterization complete? **YES**
 Date approved by oversight agency: **10/1/01**
 Monitoring Wells installed? **None**
 Proper screened interval? **NA**
 Highest GW depth below ground surface: **Groundwater encountered at approximately 18 feet bgs**
 Flow direction: **Regional groundwater flows west, northwesterly**
 Most sensitive current use: **Commercial**
 Are drinking water wells affected? **No** Aquifer name: **NA**
 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 and **Livermore-Pleasanton FD**
Alameda, CA 94502 **4550 East Ave**
Livermore, CA 94550

OCT 25 2001

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	2 USTs	Disposed by ECI, Richmond, CA	2/2/01
Soil	15.6 tons	Disposed at Vasco Rd L.F., Livermore, CA	3/12/01

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)	
	Before ¹	After ²	Before ³	After ⁴
TPH (Gas)	680	2.9	ND	
TPH (Diesel)	960	8.2	ND	
Benzene	<0.5	<.005	ND	
Toluene	<0.5	<.005	ND	
Ethylbenzene	<0.5	<.005	ND	
Xylenes	<0.5	<.005	ND	
MTBE	<5.0	<.050	ND	

- NOTE: 1 soil sample from tank pit, at 13 feet bgs, 2/01
 2 soil sample collected after overexcavation from 15 to 17.5 feet bgs in southwest corner of tank excavation, 2/01
 3 grab groundwater sample from boring advanced just northwest of tank pit, 7/01
 4 no permanent groundwater monitoring wells installed


IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? _____
 Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? _____
 Does corrective action protect public health for current land use? **YES**
 Site management requirements: **None**
 Should corrective action be reviewed if land use changes? **No**
 Monitoring wells Decommissioned: **None, pending site closure**
 Number Decommissioned: **0** Number Retained: **NA**
 List enforcement actions taken: **NA**
 List enforcement actions rescinded: **NA**

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: **Eva Chu**

Title: **Haz Mat Specialist**

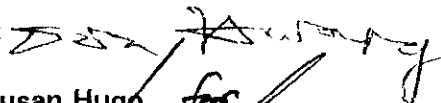
Signature: 

Date: **10/5/01**

Reviewed by

Name: **Don Hwang**

Title: **Haz Mat Specialist**

Signature: 

Date: **10/3/01**

Name: **Susan Hugo**

Title: **Supervisor**

Signature: 

Date: **10-4-01**

VI. RWQCB NOTIFICATION

Date Submitted to RB: **10/12/01**

RB Response: **concur**

RWQCB Staff Name: **Chuck Headlee**

Title: **AEG**

Signature: 

Date: **10/17/01**

VII. ADDITIONAL COMMENTS, DATA, ETC.

The site operates as a moving and storage facility. It consists of a paved parking lot, an office and warehouse building with a loading dock and a truck scale.

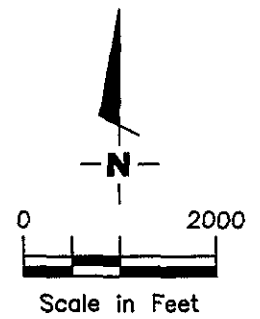
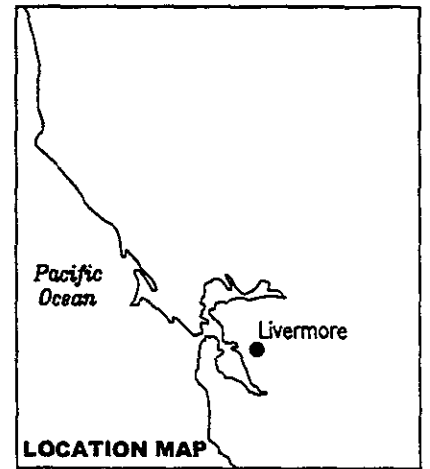
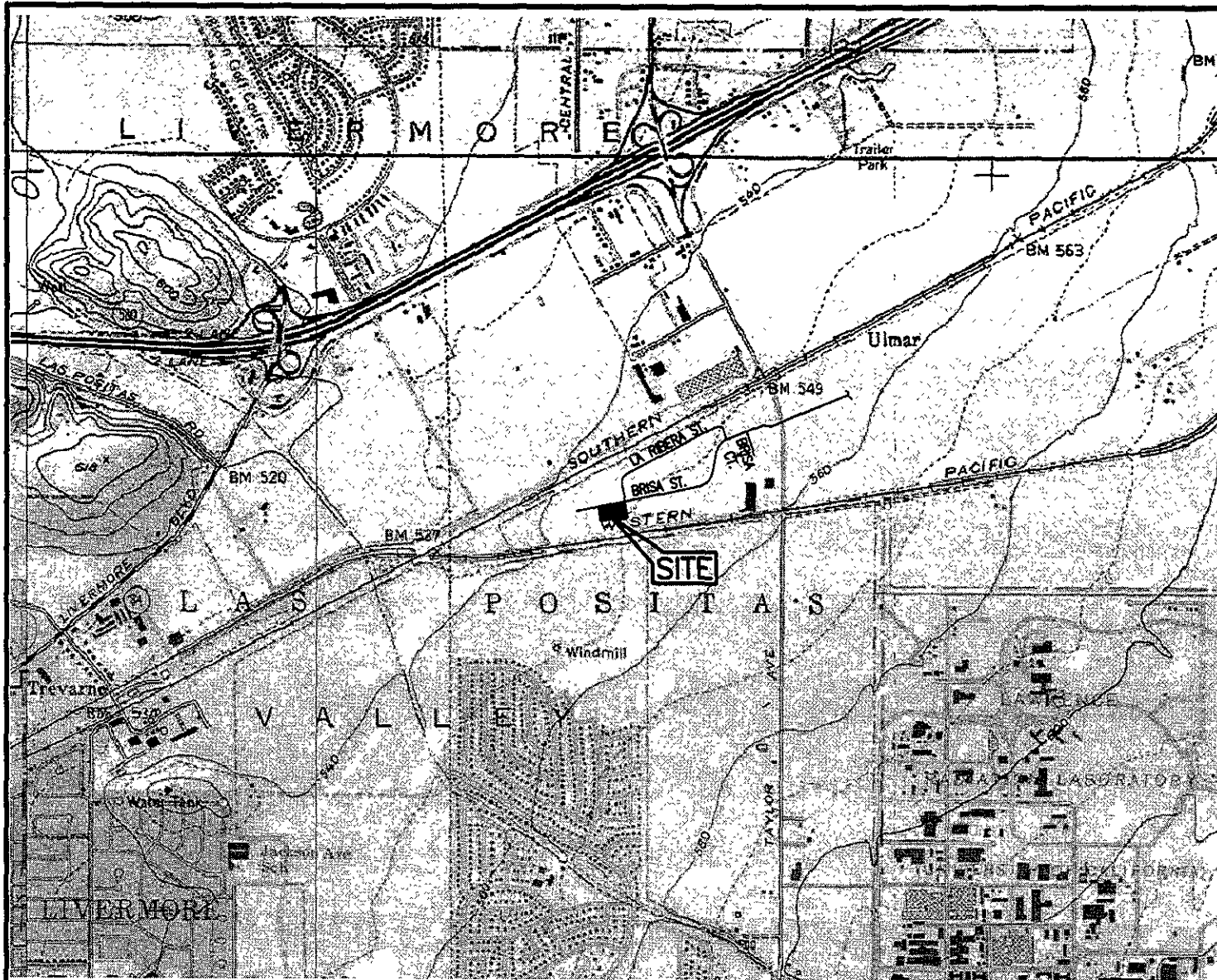
In February 2001, two USTs (1-6K gallon diesel, 1-2.5K gallon gasoline tanks) were removed. The tanks and product piping were in gravel backfill material. Soil samples (A1, A2, B1, and B2) were collected in native soil beneath each end of the tanks. Obvious soil contamination was noted beneath the diesel tank, in sample B1 (up to 960ppm TPHd, 680ppm TPHg), at 13 feet bgs. Additional soil samples [B1(17.5), B1-SW2(15), and B1-SW1(15)] were collected at 15 to 17.5 feet bgs following overexcavation of the southwest corner of the tank pit. Based on the analytical results, it appears most of the hydrocarbon-impacted soil was removed. No soil samples were collected from native soil beneath the dispensers (a pea gravel sample from the fiber lined trench was collected that did not contain fuel constituents)

In July 2001 a soil boring, SB-1, was advanced approximately 10 feet northwest (in the assumed downgradient flow direction) of the former tank excavation. The boring was advanced to a depth of 22 feet bgs. Groundwater was encountered at approximately 18 feet bgs. Soils encountered consisted of silty sand to 13 feet bgs, silty gravel w/ sand from 13 to 15 feet bgs, poorly graded coarse sand from 15 to 21.5 feet bgs, and silty sand from 21.5 to the total explored depth of 22 feet bgs.

Soil and grab groundwater samples collected did not contain remarkable concentrations of TPHg, TPHd, BTEX, or MTBE. It appears that groundwater in the vicinity of the former USTs was not impacted by the fuel release. Permanent groundwater monitoring wells are not warranted.

In summary, case closure is recommended because:

- the leak and ongoing sources have been removed;
- the site has been adequately characterized;
- groundwater is not significantly impacted by the fuel release;
- no preferential pathways exist at the site;
- no water wells, deeper drinking water aquifers, surface water, or other sensitive receptors are likely to be impacted; and,
- the site presents no significant risk to human health or the environment.



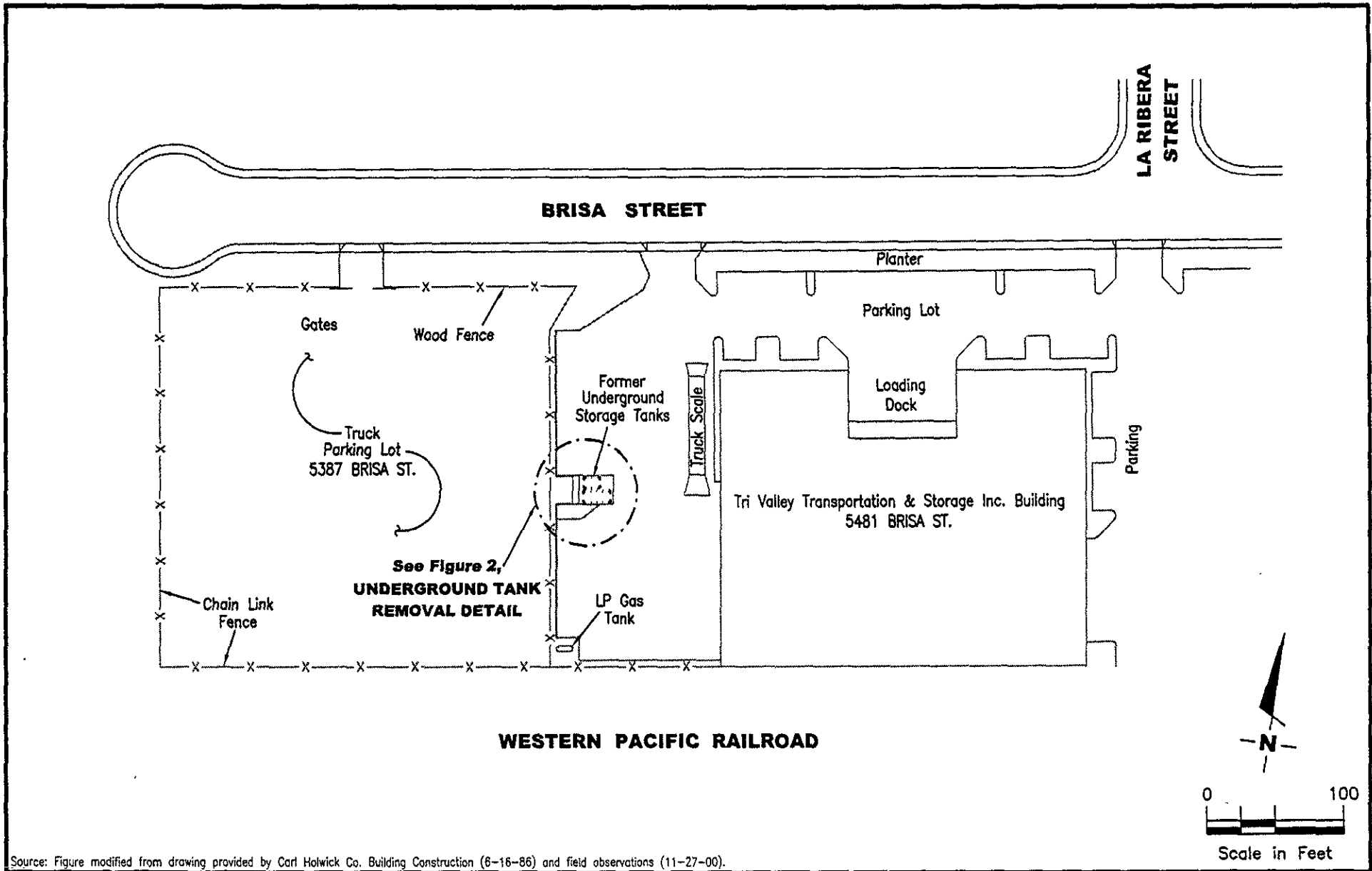
Source: National Geographic California Seamless USGS Topographic Maps on CD-ROM

GETTLER - RYAN INC.
 6747 Sierra Ct., Suite J
 Dublin, CA 94568 (925) 551-7555

VICINITY MAP
 Tri Valley Transportation and Storage Inc.
 5481 Brisa Street
 Livermore, California

FIGURE
1

PROJECT NUMBER 948166	REVIEWED BY	DATE 6/01	REVISED DATE
--------------------------	-------------	--------------	--------------



Source: Figure modified from drawing provided by Carl Holwick Co. Building Construction (6-16-86) and field observations (11-27-00).

GETTLER - RYAN INC.
 6747 Sierra Ct., Suite J
 Dublin, CA 94568 (925) 551-7555

SITE PLAN
 Tri Valley Transportation and Storage Inc.
 5481 Brisa Street
 Livermore, California

FIGURE

1

PROJECT NUMBER
 101217

REVIEWED BY

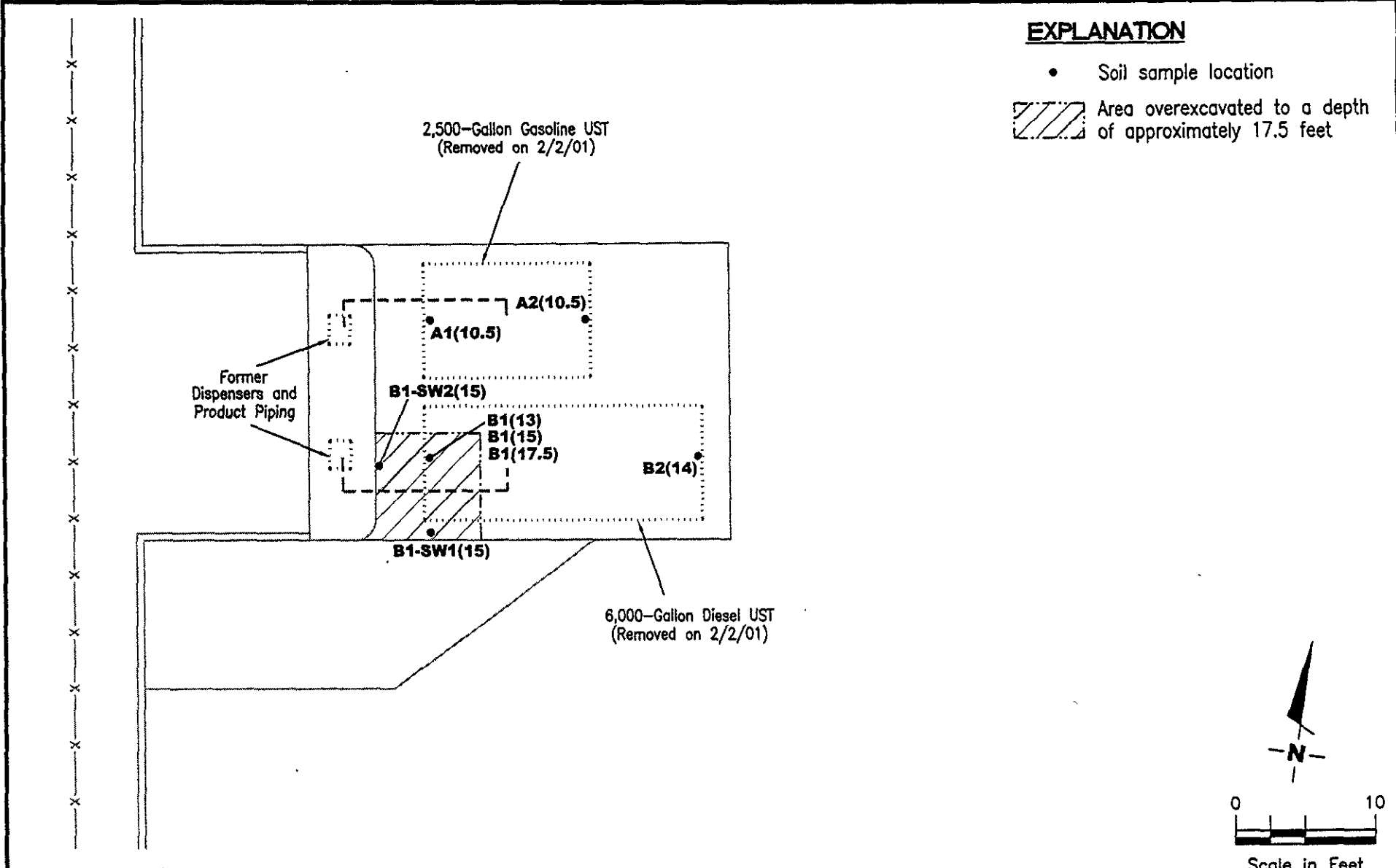
DATE
 4/01

REVISED DATE

EXPLANATION

- Soil sample location

 Area overexcavated to a depth of approximately 17.5 feet



Source: Figure modified from drawing provided by Carl Holwick Co. Building Construction (6-15-86) and field observations (11-27-00).

GETTLER - RYAN INC.
 6747 Sierra Ct., Suite J
 Dublin, CA 94568 (925) 551-7555

UNDERGROUND TANK REMOVAL DETAIL
 Tri Valley Transportation and Storage Inc.
 5481 Brisa Street
 Livermore, California

FIGURE
2

PROJECT NUMBER 101217	REVIEWED BY	DATE 4/01	REVISED DATE
--------------------------	-------------	--------------	--------------

Table 1- Soil Chemical Analytical Data
 Tri Valley Transportation
 5481 Brisa Street
 Livermore, California

Sample I.D.	Sample Depth (Feet)	Date Collected	TPHd (ppm)	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Xylenes (ppm)	MtBE (ppm)
<u>UST Excavation</u>									
A1 (10.5)	10.5	2/2/01	<5.0	1.7 ¹	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
A2 (10.5)	10.5	2/2/01	<5.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
B1 (13)	13	2/2/01	960 ³	680 ¹	<0.50	<0.50	<0.50	<0.50	<5.0
B1 (15)	15	2/2/01	200 ³	140 ²	<0.0050	<0.0050	0.0077	0.030	<0.050
B2 (14)	14	2/2/01	<5.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
<u>UST OverExcavation</u>									
B1 (17.5)	17.5	2/12/01	8.2 ⁴	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
B1-SW1 (15)	15	2/12/01	<5.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
B1-SW2 (15)	15	2/12/01	<5.0	2.9 ¹	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
<u>UST Pit Stockpile (Pea Gravel)</u>									
Comp-1	N/A	2/2/01	<5.0	<1.0	<0.0050	<0.0050	<0.0050	0.010	<0.050
Comp-2	N/A	2/2/01	<5.0	<1.0	<0.0050	0.022	<0.0050	0.036	<0.050
<u>Diesel Line Fiber Trench Stockpile (Pea Gravel)</u>									
ST-FT	N/A	2/2/01	<5.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
<u>UST Pit Overexcavation Stockpile</u>									
ST-OEXC ⁵	N/A	2/12/01	56 ³	2.9 ²	<0.025	<0.025	<0.025	0.27	<0.25

Table 1- Soil Chemical Analytical Data

Tri Valley Transportation

5481 Brisa Street

Livermore, California

EXPLANATION:

TPHg = Total Petroleum Hydrocarbons as gasoline

TPHd = Total Petroleum Hydrocarbons as diesel

MtBE = Methyl tertiary-Butyl Ether

BTEX = benzene, toluene, ethylbenzene, xylenes

ppm = Parts per million

N/A = Not Applicable

¹ = Laboratory reports Unidentified Hydrocarbons >C8

² = Laboratory reports Unidentified Hydrocarbons >C7

³ = Laboratory reports Diesel C9-C24

⁴ = Laboratory reports Unidentified Hydrocarbon >C16

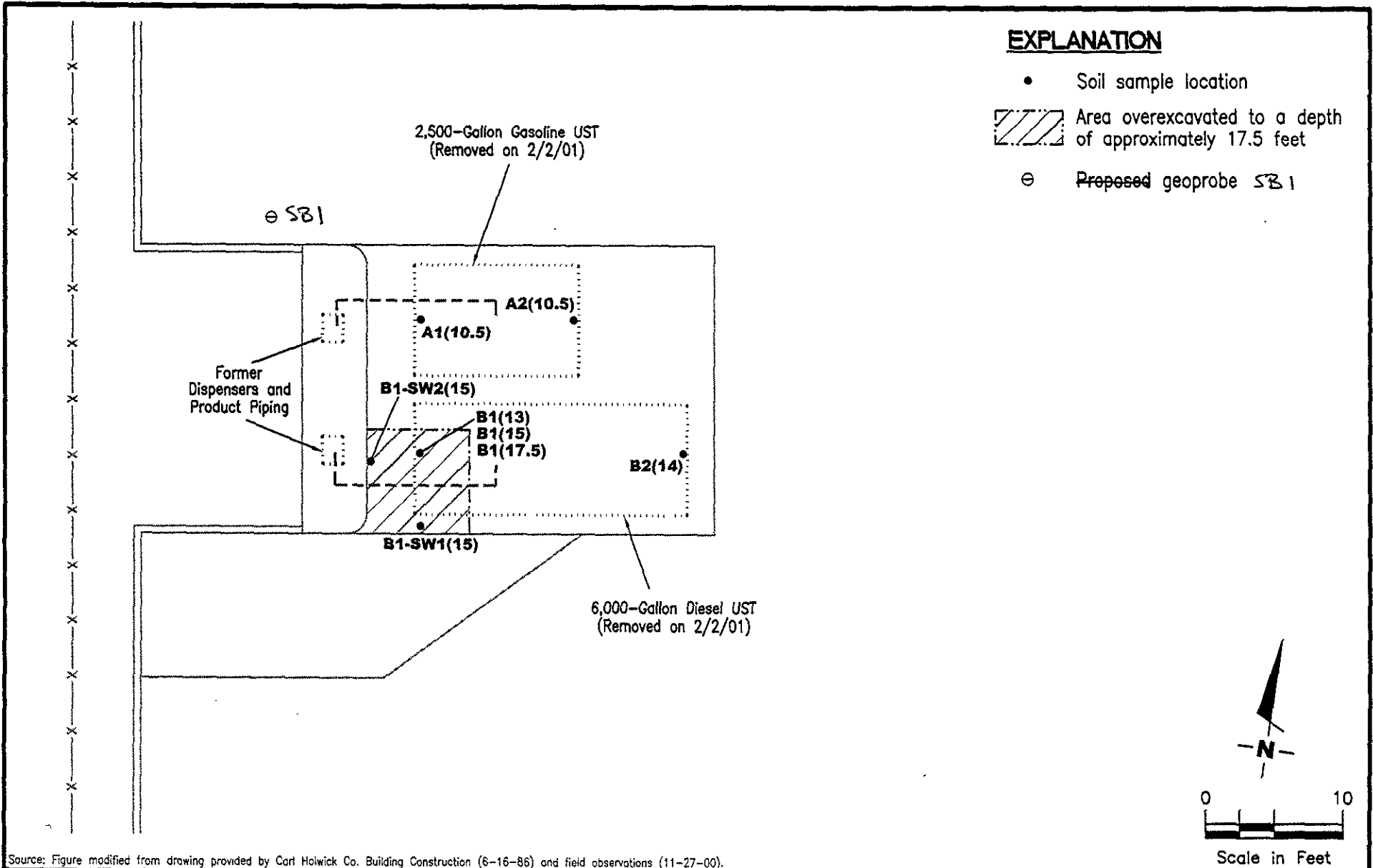
⁵ = Total lead by EPA Method 6010 was detected at 2.1 ppm

ANALYTICAL METHODS:

TPHd, TPHg, BTEX and MtBE by DHS LUFT

ANALYTICAL LABORATORY:

Sequoia Analytical Walnut Creek (ELAP #1271)



Source: Figure modified from drawing provided by Carl Holwick Co. Building Construction (6-16-86) and field observations (11-27-00).

GR **GETTLER - RYAN INC.**
6747 Sierra Ct., Suite J
Dublin, CA 94568 (925) 551-7555

SITE PLAN
Tri Valley Transportation and Storage Inc.
5481 Brisa Street
Livermore, California

FIGURE

3

PROJECT NUMBER
948166

REVIEWED BY

DATE
6/01

REVISED DATE

FILE NAME: P:\ENVIRO\3VALLEY\A01-5481.DWG | Layout Tab: Site Plan 6-01

TABLE 1 - SOIL SAMPLE CHEMICAL ANALYTICAL DATA

Tri-Valley Transportaion

5481 Brisa Street

Livermore, California

Sample No.	Sample Date	Sample Depth (feet)	TPHg (ppm)	TPHd (ppm)	Benzene (ppm)	Toluene (ppm)	Ethylbenzene (ppm)	Total Xylenes (ppm)	MTBE (ppm)
SB1-10.5	7/24/01	10.5	ND	ND	ND	ND	ND	ND	ND
SB1-15	7/24/01	15	ND	2.1 ¹	ND	ND	ND	ND	ND

EXPLANATION:

ppm = parts per million

ND = Not Detected

¹ = This sample does not appear to contain Diesel. Discrete peaks comprise the extractable hydrocarbons in this range.

ANALYTICAL METHOD:

TPHg = Total Petroleum Hydrocarbons as gasoline by EPA Method 8015 modified

TPHd = Total Petroleum Hydrocarbons as diesel by EPA Method 8015 modified

Benzene, Toluene, Ethylbenzene and Total Xylenes by EPA method 8020

MTBE = Methyl tert-Butyl Ether by EPA Method 8020

TABLE 2 - GRAB GROUNDWATER SAMPLE CHEMICAL ANALYTICAL DATA

Tri-Valley Transportation
5481 Brisa Street
Livermore, California

Sample No.	Sample Date	TPHg (ppb)	TPHd (ppm)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE ¹ (ppb)	ETHANOL (ppb)	TBA (ppb)	MTBE ² (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)	Dissolved Lead (ppb)	
SBI	7/24/01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

EXPLANATION:

ppb. = parts per billion

NA = Not Analyzed

¹ = MTBE by EPA Method 8020

² = MTBE by EPA Method 8260

ANALYTICAL LABORATORY:

Sequoia Analytical Walnut Creek (ELAP #1271)

(see laboratory reports for detection limits)

ANALYTICAL METHOD:

TPHg = Total Petroleum Hydrocarbons as gasoline by EPA Method 8015 modified

TPHd = Total Petroleum Hydrocarbons as diesel by EPA Method 8015 modified

Benzene, Toluene, Ethylbenzene and Total Xylenes by EPA method 8020

Ethanol by EPA Method 8260

TBA = tert-Butyl alcohol by EPA Method 8260

MTBE = Methyl tert-butyl ether by EPA Method 8020/8060

DIPE = Di-isopropyl ether by EPA Method 8260

ETBE = Ethyl tert-butyl ether by EPA Method 8260

1,2-DCA = 1,2-Dichloroethane by EPA Method 8260

TAME = tert-Amyl methyl ether by EPA Method 8260

EDB = Ethylene dibromide by EPA Method 8260

Dissolved lead by EPA Method 6010A

Gettler-Ryan, Inc.

Log of Boring SBI

PROJECT: *Tri Valley Transportation and Storage Inc.*

LOCATION: *5481 Brisa Street, Livermore, CA*

GR PROJECT NO. : *948166.02*

SURFACE ELEVATION:

DATE STARTED: *07/24/01*

WL (ft. bgs): *18.0* DATE: *07/24/01* TIME: *09:10*

DATE FINISHED: *07/24/01*

WL (ft. bgs): *15.3* DATE: *07/24/01* TIME: *09:35*

DRILLING METHOD: *2 in. Geoprobe (direct Push)*

TOTAL DEPTH: *22 feet*

DRILLING COMPANY: *Gregg Drilling*

GEOLOGIST: *Andrew Smith*

DEPTH (feet)	PTG (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
0						Asphalt pavement over sand and gravel base.	Boring backfilled with neat cement to ground surface.
4					SM	SILTY SAND (SM) - yellowish brown (10YR 5/4), moist, loose; 85% fine sand, 15% silt, trace of angular gravel to 5 inch diameter.	Hand augered to 5 feet.
8						Becomes dense; 80% fine sand, 20% silt.	
10		SBI-10.5					
12					GM	SILTY GRAVEL WITH SAND (GM) - dark gray (10YR 4/1), moist, loose; 65% angular gravel to 1.5 inch diameter. 20% sand, 15% silt.	
16		SBI-15.5 SBI			SP	POORLY GRADED SAND (SP) - dark yellowish brown (10YR 4/4), moist, loose; 95% sand, 5% silt.	Grab groundwater sample SBI.
20							
24					SM	SILTY SAND (SM) - yellowish brown (10YR 5/4), wet, medium dense; 80% fine sand, 20% silt.	
22						Bottom of boring at 22 feet bgs.	
28							