

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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Alameda County CC4580
Environmental Health Services
1131 Harbor Bay Pkwy., #250
Alameda CA 94502-6577
(510)567-6700 FAX(510)337-9335

REMEDIAL ACTION COMPLETION CERTIFICATION

StID 3016 - 2500 Railroad, Livermore, CA

May 2, 1996

Mr. Ken Ross
City of Livermore
3589 Pacific Ave
Livermore, CA 94550


Dear Mr. Ross:

This letter confirms the completion of site investigation and remedial action for the eight former underground storage tanks removed from the above site in April 1993 and April 1995. 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: Chief, Division of Environmental Protection
Kevin Graves, RWQCB
Mike Harper, SWRCB (with attachment)
files (copyd. 8)

01-1697

ENVIRONMENTAL PROTECTION

06 FEB -2 PM 1:41

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: December 27, 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: **Livermore Corporation Yard**
Site facility address: **2500 Railroad, Livermore, CA 94550**
RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: **3016**
URF filing date: **12/20/95** SWEEPS No: **N/A**

Responsible Parties: Addresses: Phone Numbers:

City of Livermore **3589 Pacific Ave**
Attn. Duane Huber **Livermore, CA 94550**

<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	Diesel	Removed	4/27/93
2	500	Solvent	"	"
3	250	Waste Oil	"	"
4	300	Solvent	"	"
5	1,000	Diesel	"	4/11-12/95
6	4,000	Gasoline	"	"
7	10,000	Gasoline	"	"
8	300	Waste Oil	"	"

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: **Unknown**
Site characterization complete? **YES**
Date approved by oversight agency: **11/17/95**
Monitoring Wells installed? **Yes** Number: **2**
Proper screened interval? **Yes, 15 - 55' bg in MW-2**
Highest GW depth below ground surface: **11.31** Lowest depth: **40.19' in MW-2**
Flow direction: **Northwest**
Most sensitive current use: **Commercial**
Are drinking water wells affected? **No** Aquifer name: **Mocho Subbasin**
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	4 USTs 4 USTs	Erickson, in Richmond "	4/27/93 4/11-12/95
Soil	65 cy	Vasco Rd L.F. in Livermore	5/19,24/95

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)		
	<u>Before¹</u>	<u>After</u>	<u>Before</u>	<u>After</u>	
TPH (Gas)	1.1	1.1	NA	NA	
TPH (Diesel)	135 ²	135	320	ND	
TPH-(Motor Oil)	1,500	1,500	ND	ND	
Benzene	ND	ND	1.7	ND	
Toluene	1.5	1.5	1.1	ND	
Ethylbenzene	ND	ND	1.9	ND	
Xylenes	0.017	0.017	2.5	ND	
Oil & Grease	1,770	620	ND	ND	
Heavy metals	Cr	86.4	86.4	NA	ND
	Ni	216	216	NA	ND ³
Other	2 Methyl-naphthalene	79	79		
	Naphthalene	62	62		

NOTE: 1 From waste oil pit
 2 From diesel pit
 3 Hexavalent Cr was ND, total Cr was 0.05 mg/L

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: **None**

Should corrective action be reviewed if land use changes? **YES**
 Monitoring wells Decommissioned: **No, pending site closure.**
 Number Decommissioned: **0** Number Retained: **2**
 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: 12/27/95

Reviewed by

Name: Juliet Shin Title: Sr. Haz Mat Specialist

Signature: *Juliet Shin* Date: 12/27/95

Name: Madhulla Logan Title: Haz Mat Specialist

Signature: *Madhulla Logan* Date: 12/27/95

VI. RWQCB NOTIFICATION

Date Submitted to RB: 12/28/95 RB Response: *Approved*

RWQCB Staff Name: Kevin Graves Title: AWRCE

Signature: *Kevin Graves* Date: 1/31/95

VII. ADDITIONAL COMMENTS, DATA, ETC.

The Livermore Corporation Yard previously contained a total of eight USTs.

Four USTs (1K diesel, 1-250 gal solvent, 1-250 gal W.O. and 1-300 gal solvent) were removed from the site on April 27, 1993. Soil samples collected from the waste oil tank pit were analyzed for TEPH (diesel, kerosene, motor oil), VOCs, TOG, and 5 metals (Cd, Cr, Pb, Ni, and Zn). Up to 1,500 ppm TPH-MO and 1,770 ppm TOG were detected. Cr (68.6ppm) and Ni (202 ppm) concentrations were >10X STLC. Soil samples from the diesel pit exhibited up to 135 ppm TPH-D, but no BTEX. Soil samples from the solvent pits did not detect VOCs.

On July 7, 1993, the waste oil pit was overexcavated. Soil samples were collected from the east and south walls at 6' bgs, and from the pit bottom at 8.5' bgs. 620 ppm TOG was detected only from the south wall. Cr and Ni concentrations were >10X STLC (86.4 and 216 ppm, respectively). Excavation began at the diesel pit, but was suspended when the north end of the pit, at 13' bgs, exhibited increasing staining and odors with increasing depth. Additional sampling of this area was also suspended pending additional assessment to determine the extent of soil contamination.

In March 1994, six soil borings (IBD-1 through IBD-7, with IBD-3 being abandoned at 5' bgs due to auger refusal) were emplaced around and through the former diesel pit to a maximum depth of 30'. Boring IBD-1, through the backfill, encountered hydrocarbon staining from 15 to 20' bgs. Analytical results exhibited diesel at 510 ppm at 15.5', 120 ppm at 20.5', and 1.4 ppm at 25.5'. The other five borings did not exhibit any remarkable concentrations of TPH-D, TPH-MO, or BTEX. A grab groundwater sample was collected from boring IBD-4, west of the diesel pit. TPH-D was not detected, however, 1.7 ppb benzene was detected. It appears diesel-impacted soil is limited in extent and its removal not required.

Three soil borings (IBW-1 thru IBW-3) were emplaced around and through the former waste oil pit to a maximum depth of 25'. Soil and grab groundwater samples collected did not exhibit remarkable levels of TPH-D, TPH-MO, or BTEX. It appears overexcavation removed most of the hydrocarbon-impacted soil. Additional excavation in the waste oil pit was not required.

An illegal disposal of a possible solvent was noted along the south property line. A shallow soil sample collected was analyzed for VOCs and SVOCs. 2-methylnaphthalene (79 ppm) and naphthalene (62 ppm) were the only SVOCs detected. And, 1,600 ppm xylenes, 3.2 ppm ethylbenzene, and 7.3 ppm toluene were the only VOCs detected. This area was later overexcavated (to 10x10x2' depth) and a soil sample collected. Up to 16 ppm TPH-D, 150 ppm TPH-MO, and ND for BTEX were detected. Analysis for SVOCs was not required as levels detected initially were below EPA's Region IX, Preliminary Remediation Goals table, September 1995.

The remaining 4 USTs (1-1K diesel, 1-4K and 1-10K gasoline, and 1-300 gallon W.O.) were removed in April 1995. Soil samples collected beneath each UST and dispenser did not exhibit remarkable levels of TPH-G, TPH-D, TPH-MO, or BTEX.

In July 1994 two monitoring wells, MW-1 and MW-2, were installed west, northwest, and within 10' of the former waste oil and diesel UST pit, respectively. Groundwater was monitored/sampled for four consecutive quarters (7/94 - 6/95). A maximum of 320 ppb TPH-D has been detected. The last two sampling events did not detect TPH-D, TPH-MO, or BTEX. Ni and hexavalent Cr were not detected in groundwater either. Continued monitoring is not warranted.

METHODS

Soil samples were collected with the use of a backhoe. The soil was brought to grade surface and a 2.0 x 6.0 inch brass tube was advanced into intact soils. The sampling location was chosen by personnel from ACDHS. These locations are shown on Figure 2 through 4 included in Appendix C of this report.

Following collection of the soil, each brass sleeve was immediately covered with teflon liner and a plastic cap. The samples were labeled and immediately stored in an ice chest on dry ice pending transportation to the laboratory. All samples were recorded on a chain-of-custody form detailing the specific analysis.

RESULTS

Soil samples were analyzed by Sherwood Labs Corporation of Hilmar, California. The results of the analysis and a copy of the chain-of-custody are included in Appendix D. The vast majority of samples did not contain any compounds above the method detection limit.

Slight contamination was found beneath the waste oil tank and 1000 gallon diesel tank. The soil sample taken at approximately 9 1/2 feet below grade at the north end of the diesel tank contained 135 ppm of Total Petroleum Hydrocarbons (TPH) as diesel. Analysis results from the waste oil tank are summarized below:

TABLE 1. SUMMARY OF ANALYSIS RESULTS FROM BENEATH WASTE OIL TANK

ANALYTE	RESULTS (mg/kg)
TPH as motor oil	1500
TPH as oil and grease	1,770
Cadmium	ND
Chromium	68.6
Lead	5.68
Nickel	202
Zinc	39.1

ND - None Detected

data reports for all soil and ground water samples are contained in Appendix B.

Table 1
SUMMARY OF INVESTIGATIVE BORING SOIL ANALYTICAL RESULTS
City of Livermore Old Corporation Yard Site

Sample ID	Sample Depth	Concentration (ppm)					
		TPH-D	TPH-MO	B	T	E	X
Waste Oil UST Borings							
IBW-1.1	10.5 ft	ND(1) ¹	ND(10)	ND(.0025)	0.0063 ²	ND(.0025)	ND(.0025)
IBW-1.2	15.0 ft	ND(1)	ND(10)	ND(.0025)	0.0027 ²	ND(.0025)	ND(.0025)
IBW-1.3	20.5 ft	ND(1)	ND(10)	ND(.0025)	0.0068 ²	ND(.0025)	ND(.0025)
IBW-2.1	5.5 ft	ND(1)	ND(10)	ND(.0025)	0.013 ²	ND(.0025)	ND(.0025)
IBW-2.2	10.5 ft	ND(1)	ND(10)	ND(.0025)	0.0079 ²	ND(.0025)	ND(.0025)
IBW-2.3	15.5 ft	ND(1)	ND(10)	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)
IBW-2.4	21.5 ft	ND(1)	ND(10)	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)
IBW-3.2	10.0 ft	ND(1)	ND(10)	ND(.0025)	0.011 ²	ND(.0025)	ND(.0025)
IBW-3.3	16.0 ft	ND(1)	ND(10)	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)
IBW-3.4	20.5 ft	ND(1)	ND(10)	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)
IBW-3.5	24.5 ft	ND(1)	ND(10)	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)
Diesel UST Borings							
IBD-1.1	15.5 ft	510	ND(100) ¹	ND(.0025)	1.500 ²	ND(.0025)	ND(.0025)
IBD-1.2	20.5 ft	120	ND(100)	ND(.0025)	0.0084 ²	ND(.0025)	ND(.0025)
IBD-1.3	25.5 ft	1.4 ³	ND(10)	ND(.0025)	0.0055 ²	ND(.0025)	ND(.0025)
IBD-1.4	30.5 ft	ND(1)	ND(10)	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)
IBD-2.2	10.5 ft	ND(1)	ND(10)	ND(.0025)	0.011 ²	ND(.0025)	ND(.0025)
IBD-2.3	15.5 ft	ND(1)	ND(10)	ND(.0025)	0.0035 ²	ND(.0025)	ND(.0025)
IBD-2.4	20.5 ft	ND(1)	ND(10)	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)
IBD-2.5	26.0 ft	ND(1)	ND(10)	ND(.0025)	0.0030 ²	ND(.0025)	ND(.0025)
IBD-4.1	5.0 ft	ND(1)	ND(10)	ND(.0025)	0.0058 ²	ND(.0025)	ND(.0025)
IBD-4.2	10.5 ft	ND(1)	ND(10)	ND(.0025)	0.0057 ²	ND(.0025)	ND(.0025)
IBD-4.3	16.0 ft	ND(1)	ND(10)	ND(.0025)	0.0055 ²	ND(.0025)	0.0062 ²
IBD-4.4	20.5 ft	ND(1)	ND(10)	ND(.0025)	0.0035 ²	ND(.0025)	ND(.0025)
IBD-4.5	24.0 ft	ND(1)	ND(10)	ND(.0025)	0.0047 ²	ND(.0025)	ND(.0025)
IBD-5.2	11.0 ft	ND(1)	ND(10)	ND(.0025)	0.0027 ²	ND(.0025)	ND(.0025)
IBD-5.3	16.0 ft	ND(1)	ND(10)	ND(.0025)	0.0042 ²	ND(.0025)	ND(.0025)
IBD-5.4	21.0 ft	ND(1)	ND(10)	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)
IBD-5.5	25.5 ft	19	ND(10)	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)

Table 1
SUMMARY OF INVESTIGATIVE BORING SOIL ANALYTICAL RESULTS
 City of Livermore Old Corporation Yard Site

Sample ID	Sample Depth	Concentration (ppm)					
		TPH-D	TPH-MO	B	T	E	X
IBD-6.2	11.0 ft	ND(1)	ND(10)	ND(.0025)	0.0038 ²	ND(.0025)	ND(.0025)
IBD-6.3	16.0 ft	ND(1)	ND(10)	ND(.0025)	0.0051 ²	ND(.0025)	ND(.0025)
IBD-6.4	21.0 ft	ND(1)	ND(10)	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)
IBD-6.5	25.5 ft	ND(1)	ND(10)	ND(.0025)	0.0026 ²	ND(.0025)	ND(.0025)
IBD-7.2	11.0 ft	ND(1)	ND(10)	ND(.0025)	0.0036 ²	ND(.0025)	ND(.0025)
IBD-7.3	15.5 ft	ND(1)	ND(10)	ND(.0025)	0.0071 ²	ND(.0025)	ND(.0025)
IBD-7.4	20.5 ft	ND(1)	ND(10)	ND(.0025)	0.0033 ²	ND(.0025)	ND(.0025)
IBD-7.5	25.5 ft	ND(1)	ND(10)	ND(.0025)	0.0034 ²	ND(.0025)	ND(.0025)
IBD-7.6	30.0 ft	ND(1)	ND(10)	ND(.0025)	0.0031 ²	ND(.0025)	ND(.0025)

- 1 - Not detected above the value expressed in the parentheses.
- 2 - NET lab report states, "Positive result confirmed by secondary column or GC/MS analysis."
- 3 - NET lab report states, "The positive result has an atypical pattern for Diesel analysis."

Table 2
SUMMARY OF GROUND WATER ANALYTICAL RESULTS
 City of Livermore Old Corporation Yard Site

Sample ID	Concentration (ppm)					
	TPH-D	TPH-MO	B	T	E	X
IBW-3W	ND(.05) ¹	ND(0.5)	ND(.0005)	ND(.0005)	ND(.0005)	ND(.0005)
IBD-4W	ND(.05)	ND(0.5)	0.0017 ²	0.0007 ²	ND(.0005)	0.0005 ²

- 1 - Not detected above the value expressed in the parentheses.
- 2 - NET lab report states that "Positive result confirmed by secondary column or GC/MS analysis."

Table 3
SUMMARY OF SURFACE SPILL SOIL ANALYTICAL RESULTS
 City of Livermore Old Corporation Yard Site

Constituent	Concentration (parts per million)
	SS-1
Volatiles (EPA Method 8240)¹	
Ethylbenzene	3.2
Methylene chloride	0.960 ²
Toluene	7.3
Xylenes	1,600

Table 3
SUMMARY OF SURFACE SPILL SOIL ANALYTICAL RESULTS
City of Livermore Old Corporation Yard Site

Constituent	Concentration (parts per million)
	SS-1
Semi-Volatiles (EPA Method 8270)³:	
2-Methylnaphthalene	79
Naphthalene	62

- 1 - EPA Method 8240 includes approximately 40 volatile organic compounds as analytes. This table lists only those analytes which were above the method detection level. All other 8240 analytes were not detected in the sample.
- 2 - The NET lab report states, "Analyte found in blank and sample." The method blank analyzed by NET for QA/QC purposes contained 0.0067 ppm of methylene chloride, with a detection level of 0.005 ppm (see Appendix B). The SS-1 sample contained 0.960 ppm of methylene chloride, with a detection level of 0.600 ppm. These results indicate that the methylene chloride reported for the SS-1 sample is actually due to laboratory contamination of the SS-1 sample during analysis.
- 3 - EPA Method 8270 includes approximately 75 semi-volatile organic compounds as analytes. This table lists only those analytes which were above the method detection level. All other 8270 analytes were not detected in the sample.

4.0 CONCLUSIONS

4.1 Waste Oil UST

Laboratory analysis of soil and ground water samples from the three borings showed no detectable TPH-diesel. Thus, it appears that all hydrocarbon-impacted soils were removed during previous UST removal and overexcavation activities. Furthermore, because soil was not impacted below approximately twelve feet in depth and because ground water, which was encountered at a depth of approximately 26 to 29 feet below grade, was not impacted, it is likely that ground water has not been impacted. *but still will require MW*

Extremely low levels of toluene were detected in several soil samples from both the waste oil UST borings and the diesel UST borings. Possible causes for these low levels of toluene might include: (1) Introduction of toluene into samples during drilling or sampling; (2) Laboratory contamination of the samples during analysis (the method blanks did not contain toluene, however); or (3) Low levels of toluene in subsurface soils. The most likely of these possible causes appears to be the introduction

of toluene during drilling or sampling; however, the results are too low and too sporadic to draw a firm conclusion.

4.2 Diesel UST

Both field screening and laboratory analytical results indicate that only a small volume of diesel-impacted soil is still present adjacent to the diesel UST. Investigative boring IBD-1, which was drilled within the backfilled UST cavity, contained TPH-diesel levels of 510 ppm at 15.5 feet in depth, 120 ppm at 20.5 feet in depth, and 1.4 ppm at 25.5 feet in depth. IBD-5, located approximately three feet north from the backfilled UST cavity, contained 19 ppm of TPH-diesel in the 25.5-foot sample. All other boring samples contained no detectable TPH-diesel. Furthermore, the ground water sample taken from IBD-4, located in the expected downgradient (westerly) direction from the former UST, contained no detectable TPH-diesel. *but did detect 1.7ppb benzene and .7ppb toluene.*

4.3 Surface Spill Area

Both field screening and laboratory analytical results indicate significant levels of volatile and semi-

In addition, sample T2-W was also analyzed for total lead.

- Soil samples T3-W and T3-E, collected beneath the former 10,000-gallon gasoline UST (Tank No. 3), were analyzed for TPH-G and BTEX.
- Soil sample T4-1, collected beneath the former 400-gallon waste oil UST (Tank No. 4), was analyzed for TPH-G, TPH-D/MO and BTEX.
- Soil sample ES-1, collected in the center of the

excavation spill area was analyzed for TPH-G, TPH-D/MO, and BTEX.

- Stockpile sample SS-E1 was analyzed for TPH-G, TPH-D/MO, and BTEX.
- Stockpile sample SS-E2 was analyzed for TPH-G, and BTEX.

Soil analytical results are summarized in Table 2. Laboratory data reports and chain-of-custody records are contained in Appendix C.

Sample ID	Sample Date	Sample Location	Concentration (ppm)						
			TPH-D	TPH-MO	TPH-G	B	T	E	X
<u>Tank No. 1: 1,000-Gallon Diesel UST</u>									
T1-W	04/11/95	West end	ND(1.0) ¹	ND(10)	- ²	ND(.005)	ND(.005)	ND(.005)	ND(.005)
T1-E	04/11/95	East end	ND(1.0)	ND(10)	-	ND(.005)	ND(.005)	ND(.005)	ND(.005)
<u>Tank No. 2: 4,000-Gallon Unleaded Gasoline UST</u>									
T2-W	04/12/95	West end	-	-	ND(.5)	ND(.005)	ND(.005)	ND(.005)	ND(.005)
T2-E	04/12/95	East end	-	-	ND(.5)	ND(.005)	ND(.005)	ND(.005)	ND(.005)
<u>Tank No. 3: 10,000-Gallon Unleaded Gasoline UST</u>									
T3-W	04/12/95	East end	-	-	ND(.5)	ND(.005)	ND(.005)	ND(.005)	ND(.005)
T3-C	04/12/95	Center	-	-	1.1 ³	ND(.005)	ND(.005)	ND(.005)	0.017
T3-E	04/12/95	West end	-	-	ND(.5)	ND(.005)	ND(.005)	ND(.005)	ND(.005)
<u>Tank No. 4: 300-Gallon Unknown UST</u>									
T4-1	04/11/95	Center	3.2 ⁴	ND(10)	ND(.5)	ND(.005)	ND(.005)	ND(.005)	ND(.005)
<u>Dispenser Sample</u>									
DD-N	04/11/95	North end	ND(1.0)	ND(10)	-	ND(.005)	ND(.005)	ND(.005)	ND(.005)
<u>Stockpile Samples</u>									
SS-E1	04/13/95	North Exc.	55	44	ND(.5)	ND(.005)	ND(.005)	ND(.005)	ND(.005)
SS-E2	04/13/95	South Exc.	-	-	ND(.5)	ND(.005)	ND(.005)	ND(.005)	ND(.005)
<u>Spill Area Sample</u>									
ES-1	04/13/95	Center of Exc.	16 ⁵	150	ND(.5)	ND(.005)	ND(.005)	ND(.005)	ND(.005)

1 - Not detected above the value expressed in the parentheses.
2 - Not analyzed for this analyte.

Table 2
SUMMARY OF ANALYTICAL RESULTS
City of Livermore Old Corporation Yard UST Site

Sample ID	Sample Date	Constituent (ppm)					
		TPH-D	TPH-MO	B	T	E	X
MW-1	07/28/94	0.32 ¹	ND(0.5) ²	ND(0.0005)	ND(0.0005)	0.0019	0.0025
	10/27/94	0.13 ¹	ND(0.5)	ND(0.0005)	0.0011	ND(0.0005)	0.0013
	01/27/95	ND(0.05)	ND(0.5)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)
	06/09/95	ND(0.05)	ND(0.5)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)

Table 2
SUMMARY OF ANALYTICAL RESULTS
City of Livermore Old Corporation Yard UST Site

Sample ID	Sample Date	Constituent (ppm)					
		TPH-D	TPH-MO	B	T	E	X
MW-2	07/28/94	ND(0.05)	ND(0.5)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)
	10/27/94	0.09	ND(0.5)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)
	01/27/95	0.06 ³	ND(0.5)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)
	06/09/95	ND(0.05)	ND(0.5)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)

- 1 - NET Pacific data report states: "The positive result appears to be a lighter hydrocarbon than diesel."
- 2 - Not detected above the value expressed in parentheses.
- 3 - NET Pacific data report states: "The positive result appears to be a heavier hydrocarbon than diesel."

PROJECT Majestic Technologies, Inc.

PROJECT NO. P93085.3

SUBJECT Sample Collection Log

BY TWB

DATE 4/30/93

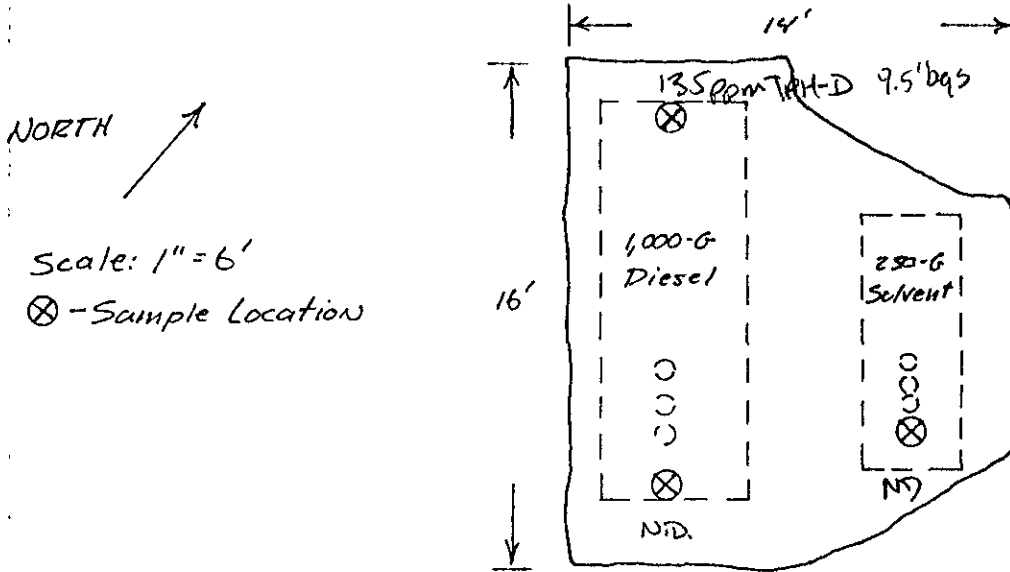
North Diesel & Solvent Tanks

REVIEWED BY _____

DATE _____

FIGURE: 4

PLAN VIEW:

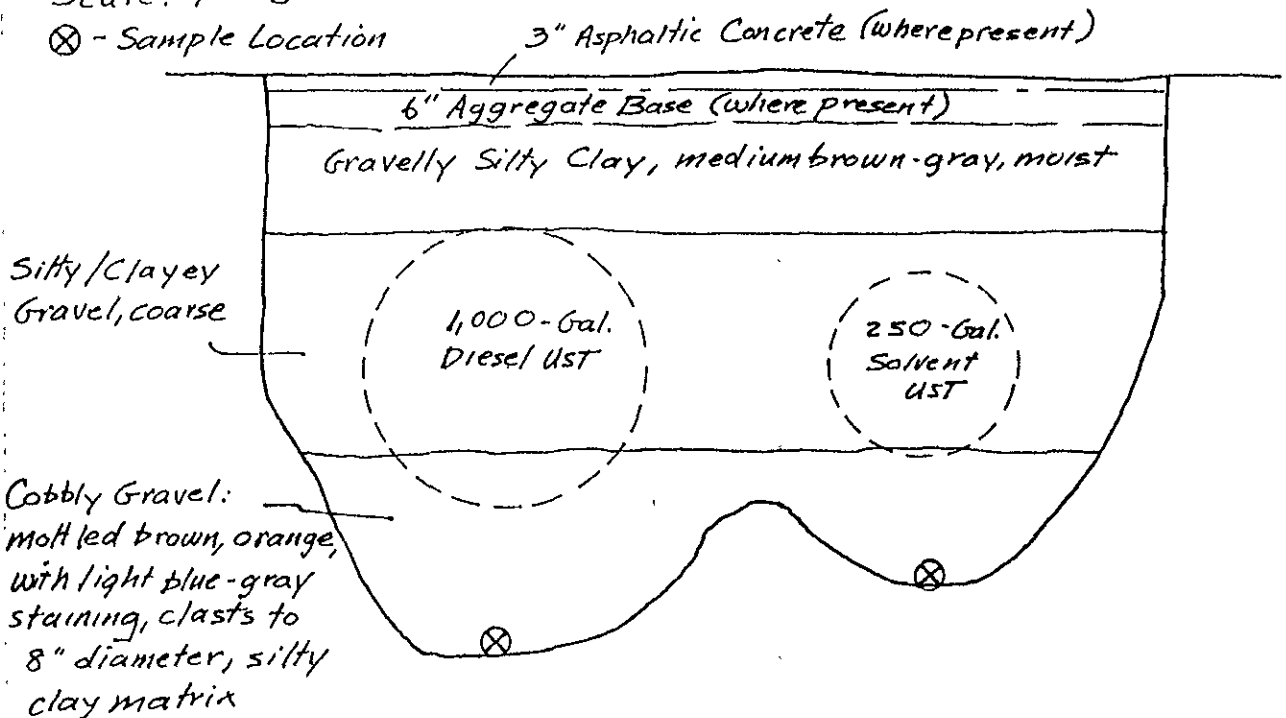


CROSS SECTION:

Northwest Wall

Scale: 1" = 3'

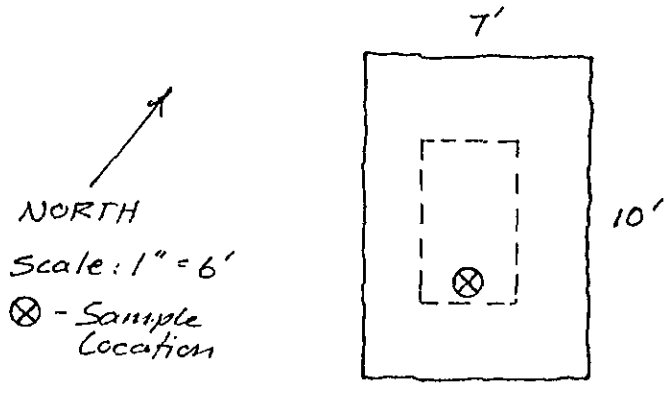
⊗ - Sample Location



PROJECT Majestic Technologies, Inc. PROJECT NO. P93085.3
SUBJECT Sample Collection Log BY TWB DATE 4/30/93
250-Gallon Waste Oil Tank REVIEWED BY _____ DATE _____

FIGURE - 2

PLAN VIEW:

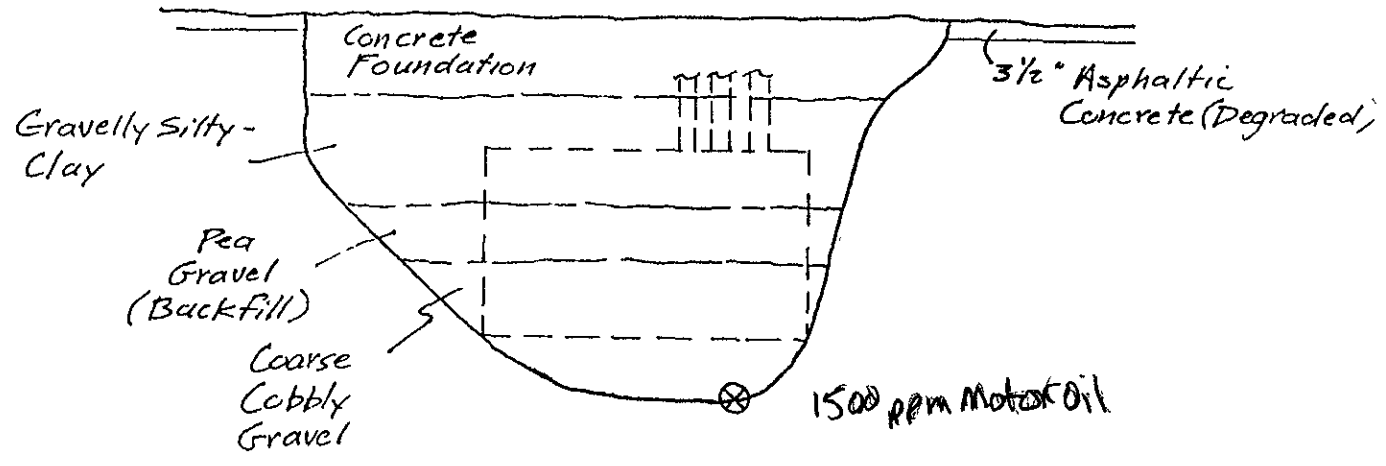


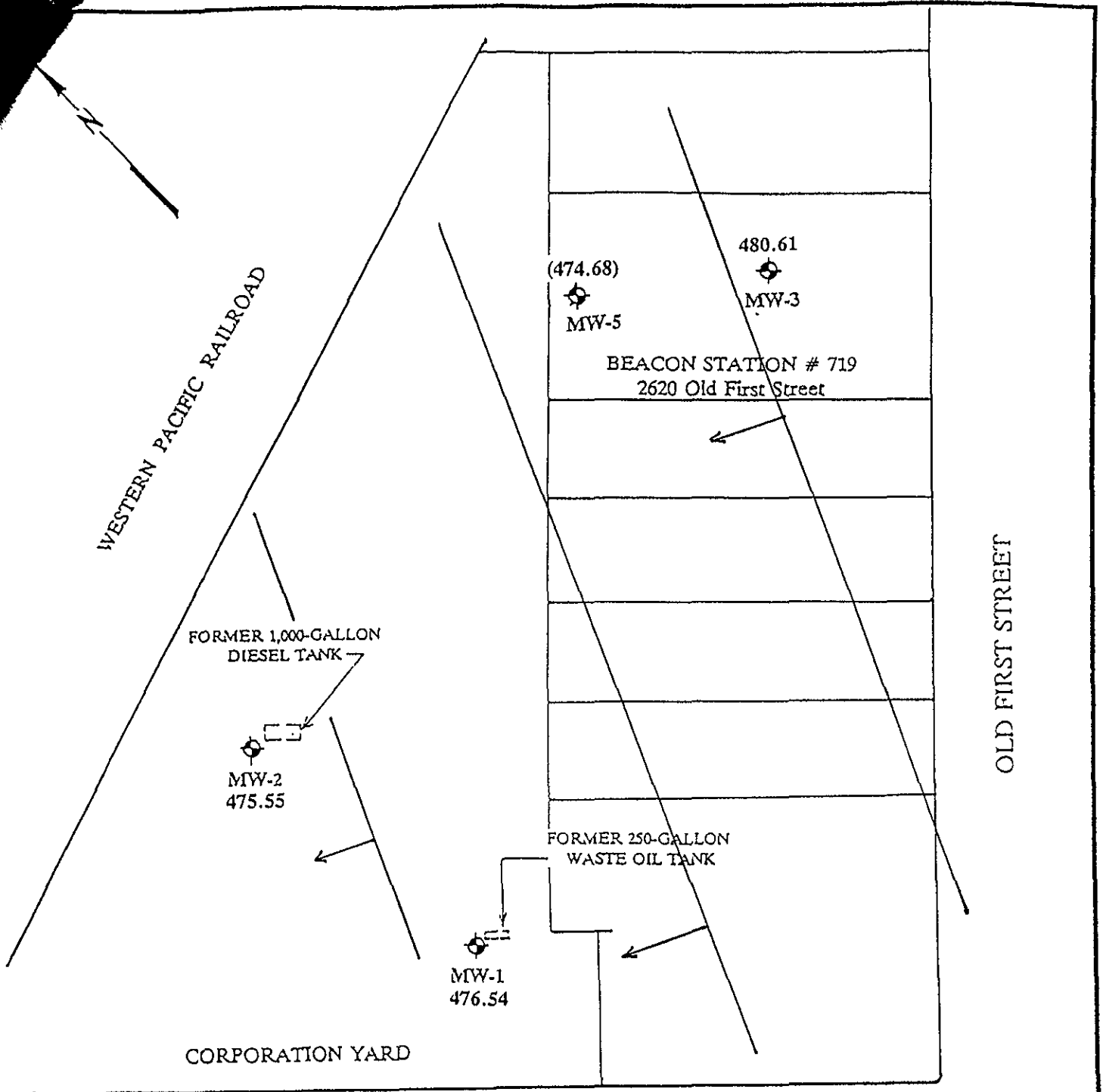
CROSS SECTION:

Northeast Wall

Scale: 1" = 3'

⊗ - Sample Location




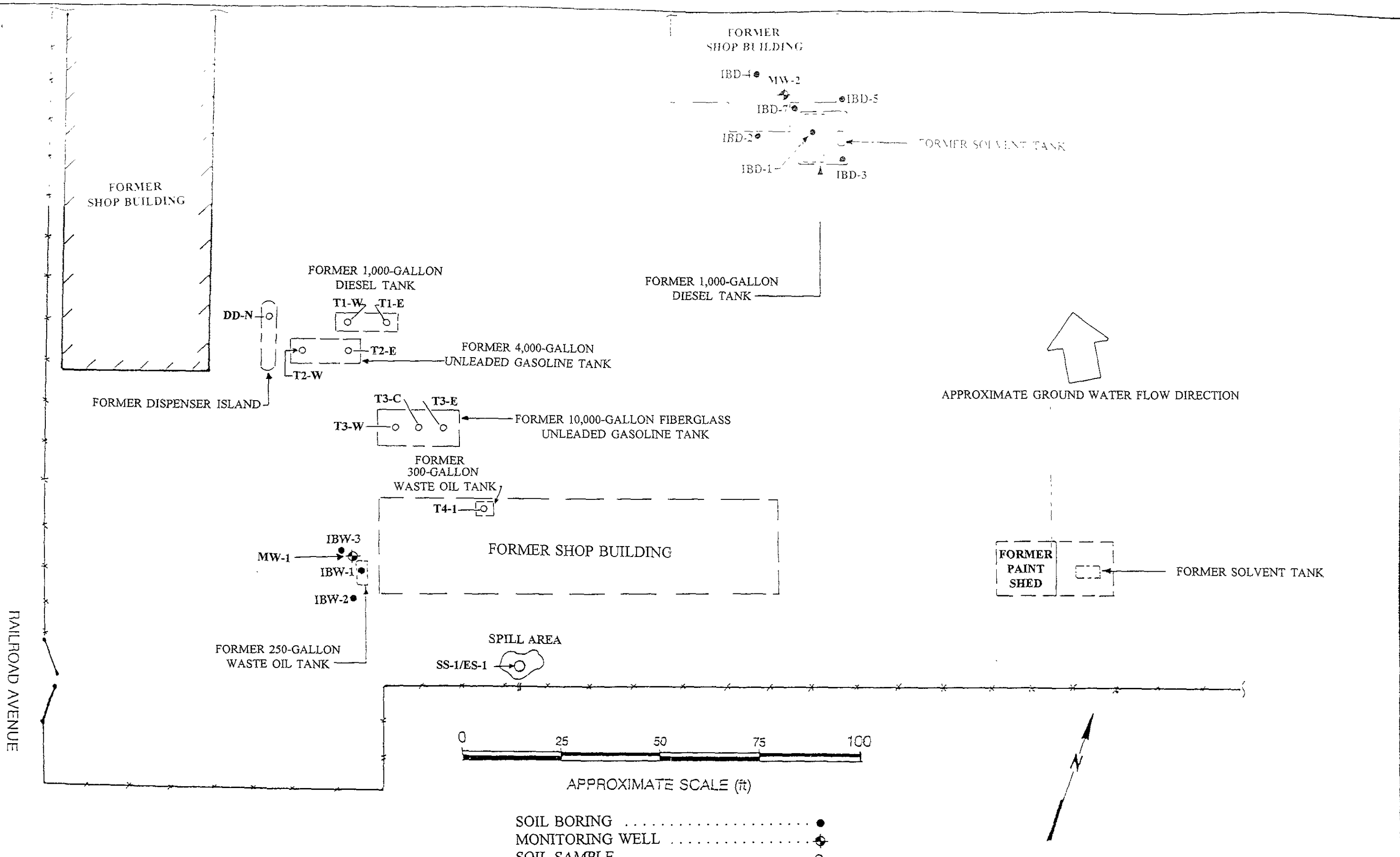


MONITORING WELL



APPROXIMATE SCALE (ft)

DESIGNED BY:	CHECKED BY:	FIGURE 2 SITE PLAN/GRADIENT MAP GRADIENT = 0.01 (ft/ft) 06/09/95	DATE:	FIGURE:
DRAWN BY:	SCALE:		CENTURY WEST  ENGINEERING	
DWG. NO.:				



REVISIONS			
NO.	BY	APPROV.	DATE

DESIGNED BY	DATE
DRAWN BY	SCALE
CHECKED BY	SEC.
CRAWING NO.	

FIGURE 2
 2500 Railroad Ave., Livermore
 SITE PLAN
 CWEC: 20549-002-02



SHEET