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

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700
(510) 337-9432

January 20,2000
StID# 572

Mr. William Morten
Ryder Transportation Services
3600 N.W. 82nd Ave.
Oakland CA 94621

RE: Fuel Leak Site Case Closure, 8001 Oakport St., Oakland CA 94621

Dear Mr. Morten:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with the Health and Safety Code, Chapter 6.75 (Article 4, Section 25299.37 h). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Health Services, Local Oversight Program (LOP) is required to use this case closure letter. We are also enclosing the case closure summary. This document confirms the completion of the investigation and cleanup of the reported release at the subject site.

Site Investigation and Cleanup Summary:

Please be advised that the following conditions exist at the site:

* 19,000 parts per billion (ppb) Total Petroleum Hydrocarbons as diesel, TPHd, 0.68 ppb benzene and 30 ppb MTBE remain in groundwater at the site.

This site should be included in the City's permit tracking system. You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

enclosures: Case Closure Letter, Case Closure Summary

c: Mr. L. Griffin, City of Oakland OES, 1605 MLK Jr. Way, Oakland CA 94612
B. Chan, files (letter only)
Trlt 8001Oakport

Sent 1/21/00
Including cc's
W/Case Closure
Summary
R0830

ALAMEDA COUNTY
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January 20, 2000
StID # 572

REMEDIAL ACTION COMPLETION CERTIFICATION

Mr. William Morten
Ryder Transportation Services
3600 M.W. 82nd Ave.
Miami, FL 33166

RE: Former Ryder Truck, 8001 Oakport St., Oakland CA 94621

Dear Mr. Morten:

This letter confirms the completion of site investigation and remedial action for the two (2) 12,000 gallon diesel underground tanks 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 tank is greatly appreciated.

Based upon the available information and with provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground tank releases 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 Barney Chan at (510) 567-6765 if you have any questions regarding this matter.

Sincerely,

Mee Ling Tung
Director, Environmental Health

c: B. Chan, Hazardous Materials Division-files
Chuck Headlee, RWQCB
Mr. Dave Deaner, SWRCB Cleanup Fund
Mr. Leroy Griffin, City of Oakland OES, 1605 Martin Luther King Dr., Oakland CA 94612

RACC8001Oakport

CL RO830

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION Date: October 29, 1999

Agency name: Alameda County-HazMat Address: 1131 Harbor Bay Pkwy
City/State/Zip: Alameda, CA 94502 Phone: (510) 567-6700
Responsible staff person: Barney Chan Title: Hazardous Materials Spec.

II. CASE INFORMATION

Site facility name: Former Ryder Truck
Site facility address: 8001 Oakport St., Oakland, CA 94621
RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 572
URF filing date: 3/23/99 SWEEPS No: N/A

Responsible Parties:	Addresses:	Phone Numbers:
William Morten	3600 N.W. 82nd Ave. Miami, FL 33166	(305) 500-4108

Tank No:	Size in gal.:	Contents:	Closed in-place or removed?:	Date:
1	12,000	Diesel	Removed	11/06/98
2	12,000	"	"	"

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: Unknown
Site characterization complete? YES
Date approved by oversight agency:
Monitoring Wells installed? No Number:
Proper screened interval? gw encountered from ~5-10' bgs, and gw equilibrates to approx. 5'bgs based on geoprobe boring logs.
Highest GW depth below ground surface: 3.5' (boring) Lowest depth: 9.0' (boring)
Flow direction: assumed west-southwest per regional flow, but could be variable based upon prior investigation at the site
Most sensitive current use: Commercial
Are drinking water wells affected? No Aquifer name:
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 and

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

City of Oakland Fire Services
Office of Emergency Services
1605 Martin Luther King Dr.
Oakland CA 94612

Treatment and Disposal of Affected Material:

Material	Amount (include units)	Action (Treatment or Disposal w/destination)	Date
Tank & piping	2-12,000 gallon	Recycled, Fluid Containment Bakersfield, CA	11/6/98
Soil	~135 cy	Reused onsite to backfill pit (soil tested ND for all analytes)	

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)	
	1 Before	After	2Before	3After
TPH (Diesel)	<1		12,000	19000 *
Benzene	<0.005		<0.5	0.68
Toluene	<0.005		<0.5	<0.5
Ethylbenzene	<0.005		<0.5	<0.5
Xylenes	<0.005		1.8	<0.5
MTBE				30

Comments (Depth of Remediation, etc.):
1 sidewall samples from tank removal, 11/6/98
2 grab groundwater sample from tank removal, 11/6/98
3 grab geoprobe water sample from tank pit, 8/5/99

* GP-5A detected higher groundwater results @19,000 ppb diesel, however, this contamination may be from the tanks removed in 6/95. See Section VII, Additional Comments, etc

CASE CLOSURE SUMMARY
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: site to be included in the City of Oakland Permit Tracking System.
Should corrective action be reviewed if land use changes? YES
Monitoring wells Decommissioned: NA
Number Decommissioned: Number Retained:
List enforcement actions taken: NA

List enforcement actions rescinded: NA

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Barney Chan Title: Haz Mat Specialist

Signature: Barney Chan Date: 11/1/99

Reviewed by

Name: Eva Chu Title: Haz Mat Specialist

Signature: Eva Chu Date: 11/01/99

Name: Thomas Peacock Title: Supervisor

Signature: Thomas Peacock Date: 11-9-99

VI. RWQCB NOTIFICATION

Date Submitted to RB: RB Response:

RWQCB Staff Name: C. Headlee Title: AEG

Signature: Date:

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

VII. ADDITIONAL COMMENTS, DATA, ETC.

This site is located in the Oakland Coliseum area, on the west side of Interstate 880. It was formerly used as a Ryder Truck rental facility, which stored fuel, waste oil and virgin oil. **See Figure 1 for the site location**. There were two UST complexes at this site, each having experienced a fuel release. **See Figure 2 for the locations of the two UST areas**. The earlier tank removals occurred in 1992 and 1995, consisted of 1-550 gallon waste oil tank, 2-10,000 gallon diesel tanks, 1-10,000 UL gasoline tank and 1-2000 gallon virgin oil tank. Extensive over-excavation of the underground tank occurred and a total of nine monitoring wells were installed. Residual low concentrations of diesel, in the range of 1100 ppb, was found in groundwater after three years of monitoring. These tanks received closure in 1995.

In **November 6, 1998**, the two 12,000 double-walled fiberglass diesel tanks were removed from the second tank complex. The UST system was installed in 1995. One large pit enclosed both tanks, which lay side by side. Groundwater was encountered at approximately 11' bgs within the tank pit. Sidewall samples, just above groundwater, were taken from the four walls. In addition, two samples were collected from beneath the two dispensers and a grab groundwater sample was collected from the pit. The excavated soil was put into two piles; a northern pile, approximately 100 cy, and a southern pile, approximately 30 cy. See **Figures 3a and 3b** for the location of samples. A four point and two point composite was taken from these stockpiled soils for characterization. The spoils samples were ND for all analytes and were reused as fill. All soil samples were ND for diesel and BTEX. Only the grab groundwater sample detected any contaminants. Diesel at 12,000 ppb and xylenes at 1.8 ppb were found in this sample. **See Table 1 for a summary of analytical results.**

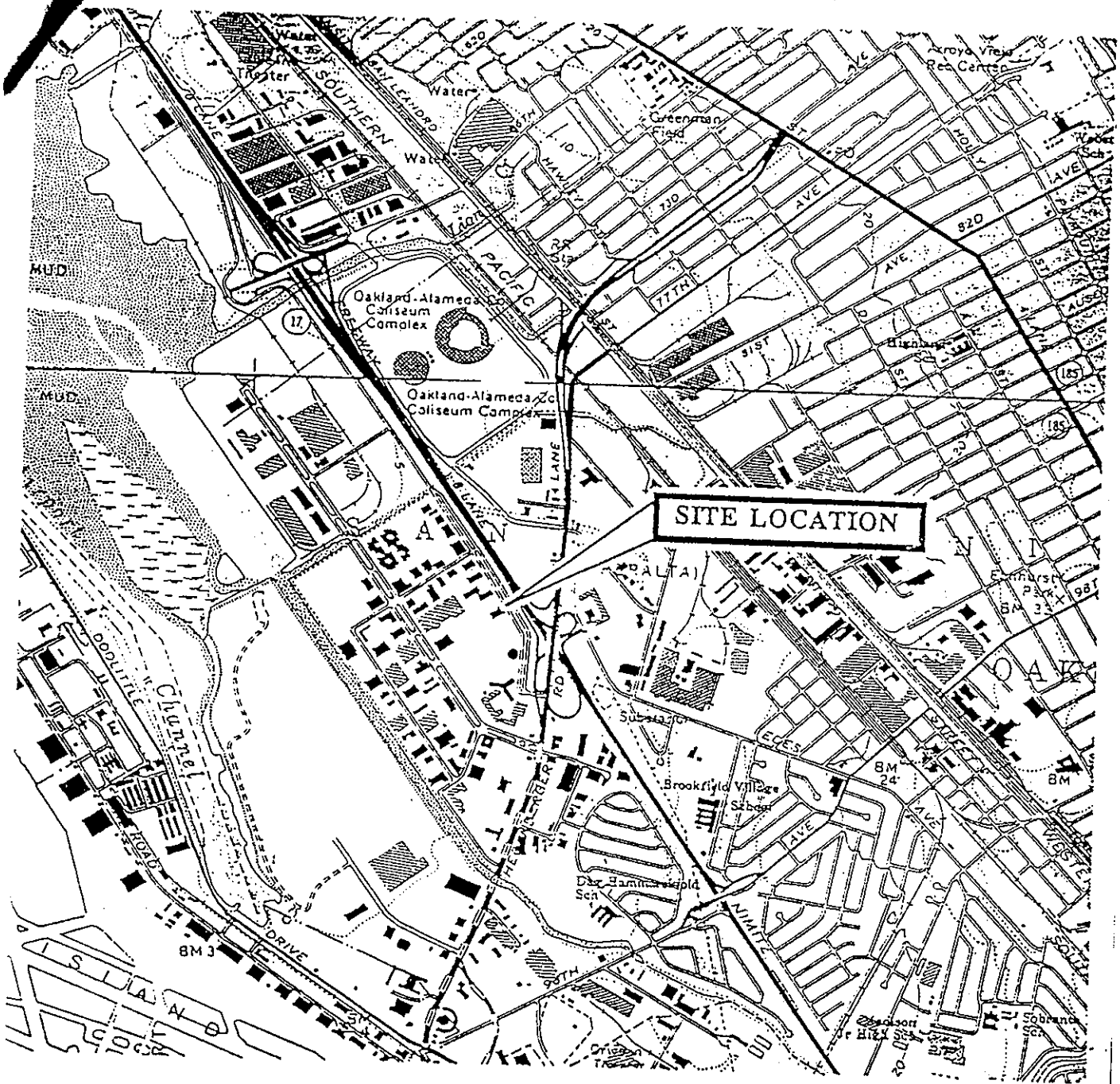
On **July 22, 1999** a groundwater investigation was performed to determine the extent of groundwater contamination from these tanks. Eight direct push borings (GP-1 through GP-8) were advanced within and around the former tank complex. **See Figure 4** for the boring locations. On August 5, 1999 borings GP-4 and GP-5 were re-drilled to obtain sufficient sample for chemical analysis. Only groundwater samples were collected from these borings. The samples were analyzed for TPHd. BTEX and MTBE were also run on those samples detecting TPHd. Samples run for TPHd were run with and without silica gel clean-up. Only samples from GP-4 and GP-5 exhibited any contaminants. GP-4, located within the tank pit, exhibited 140 ppb TPHd, 0.68 ppb benzene and 30 ppb MTBE. GP-5, located near the other former UST complex exhibited, surprisingly, 19,000 ppb TPHd. **See Table 2** for a summary of these analytical results.

Based upon this unexpected high groundwater result in GP-5, our office requested an explanation as to how it is possible since previously the highest TPHd found was only 1100 ppb in MW-3. The rationale assumes first, that this TPHd in GP-5 came from the original tank removals not the recent removals. The location of GP-5 is down-gradient and near the original 10k diesel tanks while there were several clean water samples (GP-3 and GP-7) between the former 12k diesel tanks and up-gradient GP-5. Second, there was residual TPHd contamination near GP-5. Soil sample, S-5, taken after excavation of the original tank pit, exhibited 30 ppm TPHd while all soil samples taken around the recent tank pit were ND for TPHd. **See Figures 5 & 7 for prior groundwater gradient and soil sample locations. Also Table 3 gives an historical groundwater results for MW-3, the well closest to GP-5.** The consultant further states that the grab groundwater sample from GP-5 was from a geoprobe boring unlike the water samples from MW-3. In addition, the geoprobe boring screen interval is much shorter than the wells, typically 5' vs 10'. Even if the groundwater sample from GP-5 is representative, it appears that that this contamination is localized since water samples from MW-3 and GP-7 exhibited low to ND TPHd.

Although there appears to be residual groundwater contamination near the initial UST complex , it is also limited in extent as is the diesel release from the recent 12k underground tanks.

Site closure is recommended based on the following:

- Upon removal of the two tanks, they appeared in excellent condition and were cleaned and recycled for possible reuse.
- The site has been adequately characterized
- Impact to groundwater is limited in extent based on current and past investigation
- No apparent risk to human health or the environment.



SOURCE:
USGS 7.5 ' QUADRANGLES
ENTITLED "OAKLAND EAST, CA"
AND "SAN LEANDRO, CA"

SCALE 1:24000

1 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

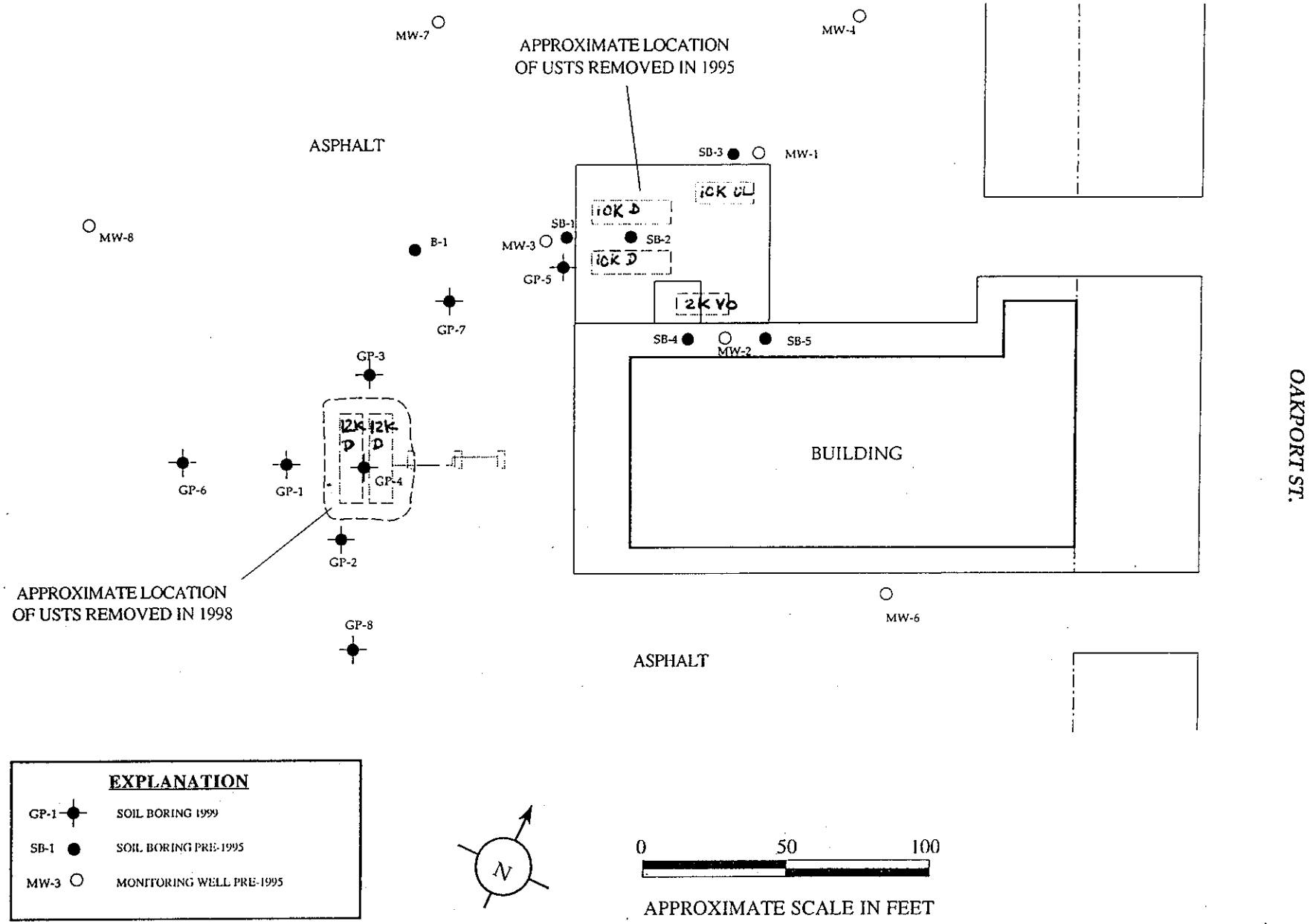
1 .5 0 1 KILOMETER

N

SITE LOCATION MAP
Ryder Transportation Services
8001 Oakport Street
Oakland, CA

CLEARWATER GROUP, INC.

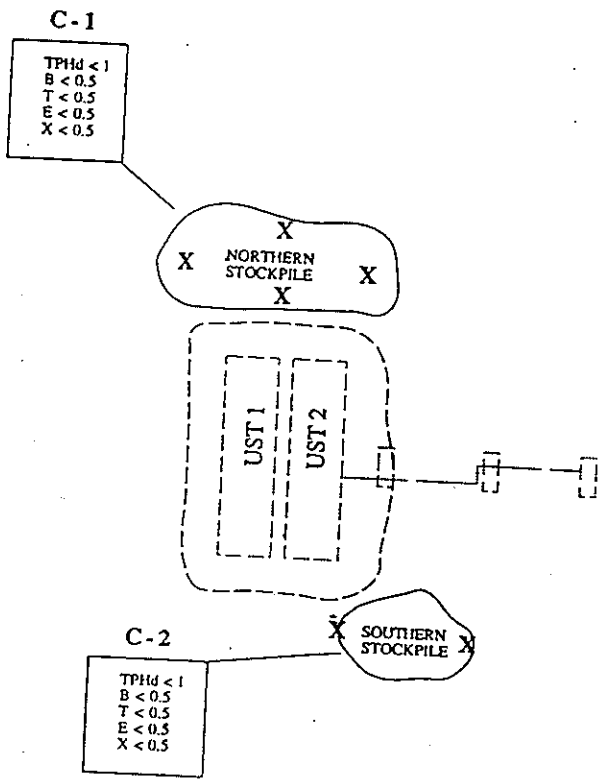
Project No	Figure Date	Figure No.
C-143	1/99	1

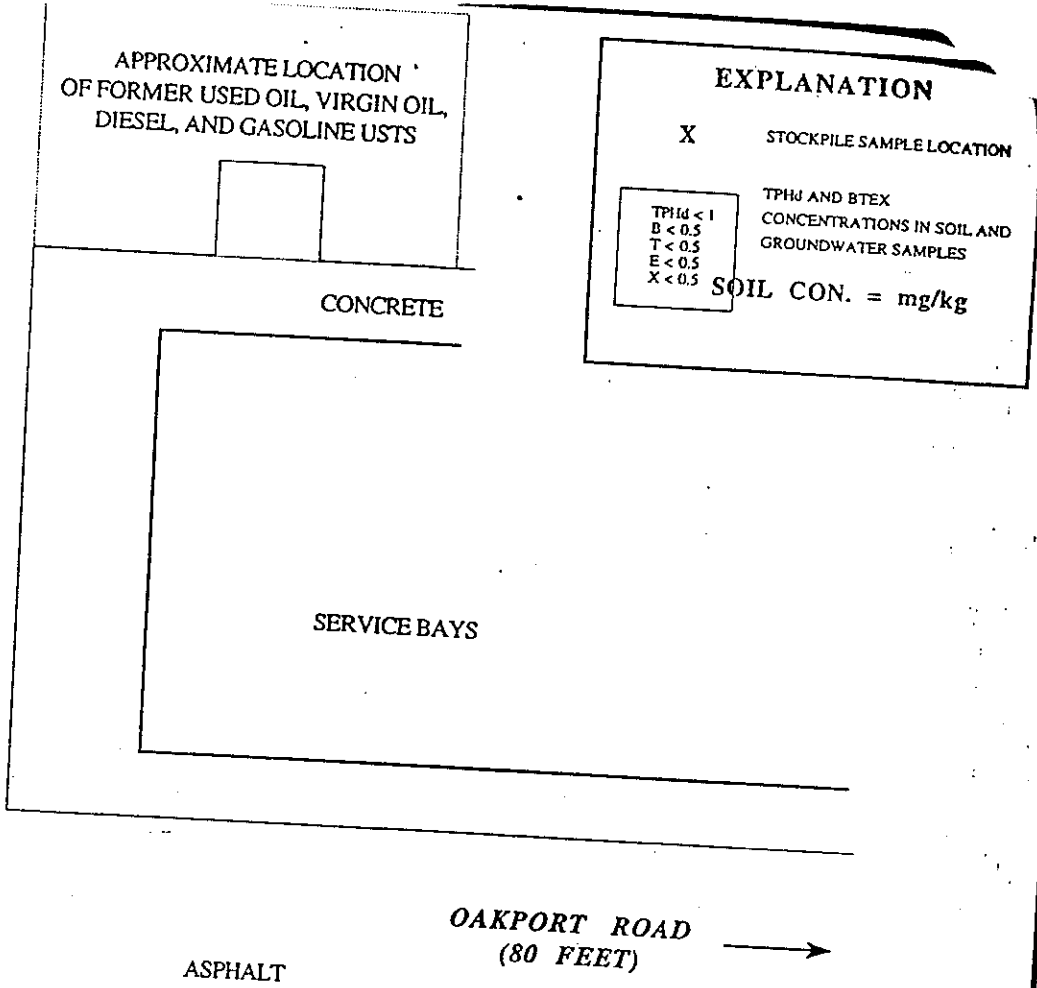


COMPREHENSIVE SITE PLAN
Former Ryder Transportation Services
8001 Oakport Street
Oakland, CA

CLEARWATER GROUP, INC.

Project No.	Report Date	Figure
C-143	**10/99**	**1**

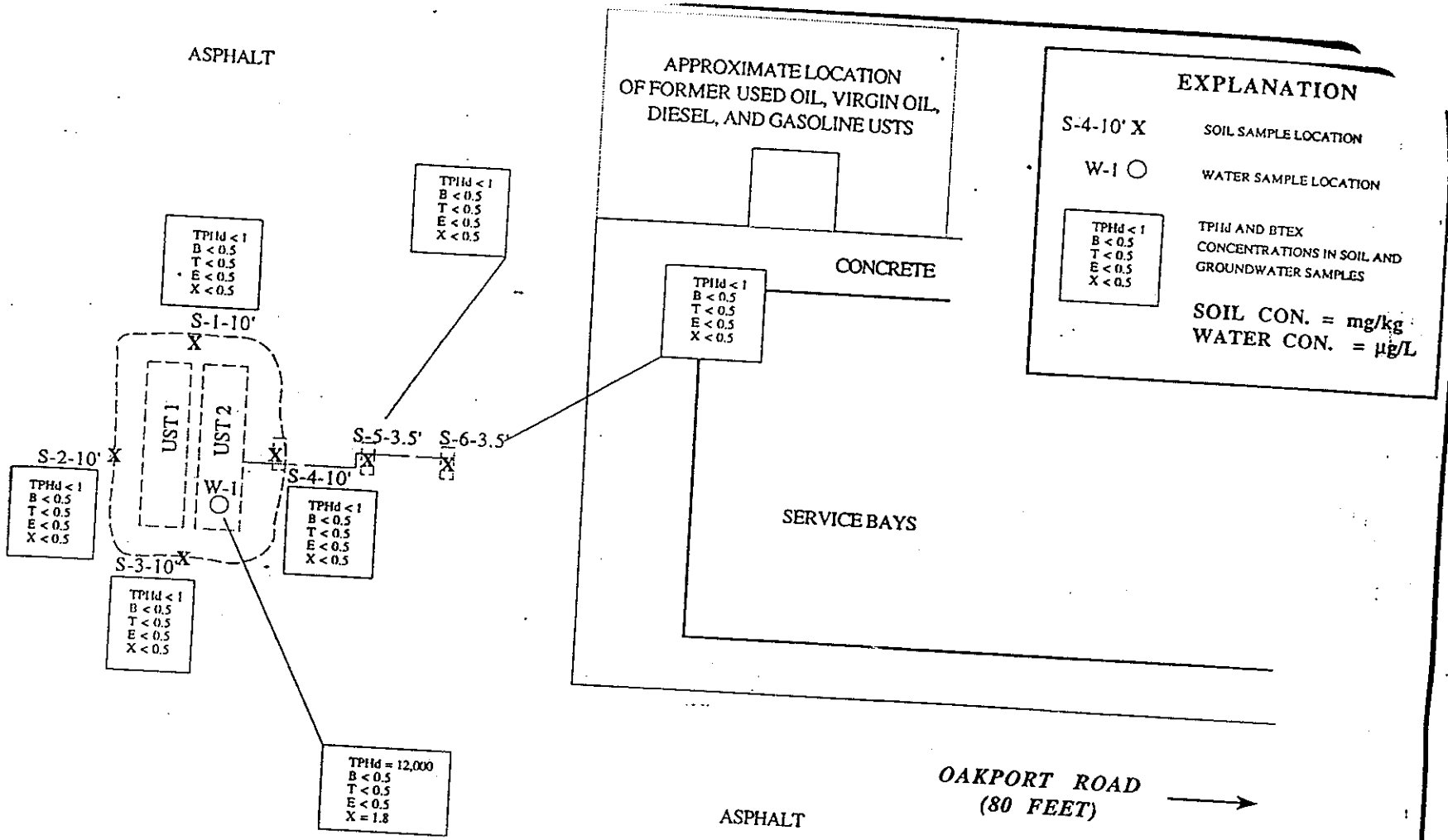




STOCKPILE ANALYTICAL RESULTS
Ryder Transportation Services
8001 Oakport Street
Oakland, CA

CLEARWATER GROUP, INC.

Project No.	Report Date	Figure
C-143	11/98	3a



SITE PLAN WITH UST SAMPLE RESULTS
Ryder Transportation Services
8001 Oakport Street
Oakland, CA

CLEARWATER GROUP, INC.

Project No.	Report Date	Figure
C-143	11/98	3b

Table - 1

SUMMARY OF ANALYTICAL RESULTS FOR UST REMOVAL SAMPLING

Ryder Transporation Services
8001 Oakport Road
Oakland, California

Table 1: Soil Samples

Sampling Date	Sample I.D.	Depth (feet)	Location in Excavation Sidewall or Stockpile	TPHd (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)
11/6/98	S-1	10	north sidewall	<1	<0.5	<0.5	<0.5	<0.5
11/6/98	S-2	10	west sidewall	<1	<0.5	<0.5	<0.5	<0.5
11/6/98	S-3	10	south sidewall	<1	<0.5	<0.5	<0.5	<0.5
11/6/98	S-4	10	east sidewall	<1	<0.5	<0.5	<0.5	<0.5
11/6/98	S-5	3.5	middle dispenser	<1	<0.5	<0.5	<0.5	<0.5
11/6/98	S-6	3.5	eastern dispenser	<1	<0.5	<0.5	<0.5	<0.5
11/6/98	C-1	--	northern stockpile	<1	<0.5	<0.5	<0.5	<0.5
11/6/98	C-2	--	southern stockpile	<1	<0.5	<0.5	<0.5	<0.5

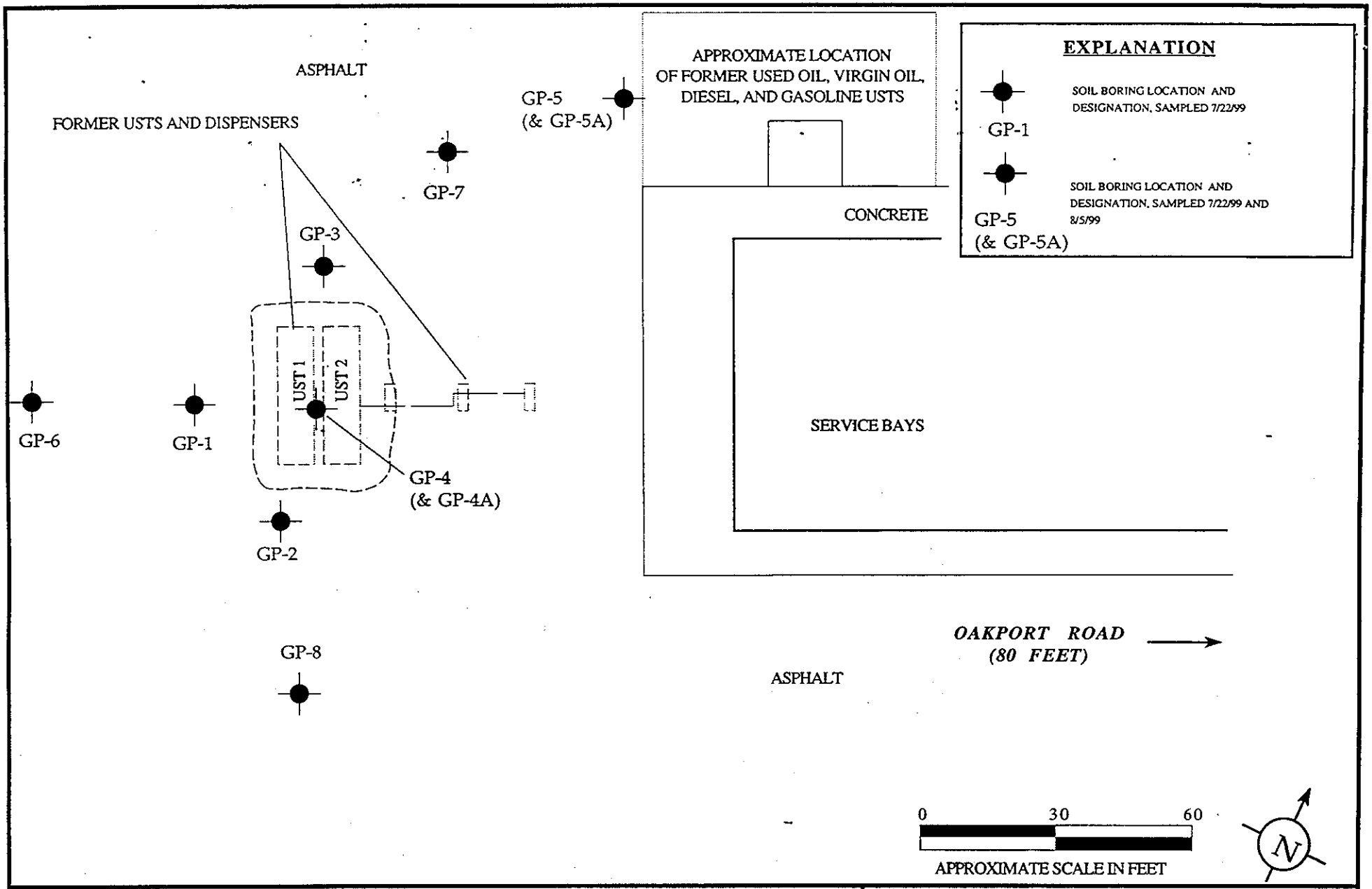
Table 2: Water Samples

These detection limits should be 0.005 ppm

Sampling Date	Sample I.D.	Depth (feet)	Location of Water Sample in Excavation	TPHd (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
11/6/98	W-1	~11	southern end of excavation	12,000	<0.5	<0.5	<0.5	1.8

Notes:

TPHd	Total petroleum hydrocarbons as diesel by EPA Method 8015 (modified)
BTEX	Benzene, Toluene, Ethylbenzene and total Xylenes by EPA Method 8020 (modified)
mg/kg	milligrams per kilogram
µg/L	micrograms per liter
<###	Not detected in concentrations exceeding the indicated laboratory method reporting limit



GEOPROBE SOIL BORING LOCATIONS - 7/22/99 & 8/5/99
Ryder Transportation Services
8001 Oakport Street
Oakland, CA

CLEARWATER GROUP, INC.

Project No.	Report Date	Figure
C-143	8/99	4

Table 2
WATER SAMPLE ANALYTICAL RESULTS
Ryder Transportation Services
8001 Oakport Street
Oakland, CA

Sample I.D.	TPHd (µg/L)	TPHd (1) (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
GP-1	<50	---	---	---	---	---	---
GP-2	<50	---	---	---	---	---	---
GP-3	<50	---	---	---	---	---	---
GP-4 & GP-4A	180	140	0.68	<0.5	<0.5	<0.5	30
GP-5 & GP-5A	24,000	19,000	<0.5	<0.5	<0.5	<0.5	<5.0
GP-6	<50	---	---	---	---	---	---
GP-7	<50	---	---	---	---	---	---
GP-8	<50	---	---	---	---	---	---

Notes:

TPHd	Total petroleum hydrocarbons as diesel by EPA Method 8015 (modified)
(1)	TPHd results following silica-gel clean-up (EPA Method 3630B)
BTEX	Benzene, Toluene, Ethylbenzene and total Xylenes by EPA Method 8020 (modified)
MTBE	Methyl Tert-Butyl Ether by EPA Method 8260
µg/L	micrograms per liter
<###	Not detected in concentrations exceeding the indicated laboratory method reporting limit
---	Not tested

CLEARWATER GROUP INC.

FIELD LOCATION OF BORING:	CLIENT/LOCATION: Ryder 6001, Oakport St	PLANNED USE:	BORING DEPTH: GP-4 ↔ 12'	BORING/WELL NO.:
	DRILLING CONTRACTOR: Fast-Tek	DRILL RIG TYPE: Geoprobe	WELL DEPTH: 10'	BORING DIAMETER: 2"
	DRILL RIG OPERATOR: Ed Svoboda	WELL MATERIAL: Sched. 40, 1"	SCREEN SLOT SIZE: 1.0	FILTER PACK: NA
	WELL SEAL:			DRILLING DATE: 7-22-99

FINISH:

DRILLING START:

LOGGED BY:

APPROVED BY:

WELL CONSTRUCTION DETAIL	SAMPLING: BLOWS/6" INTERVAL	SAMPLING: INTERVAL	SAMPLING: RECOVERY	SAMPLING: ANALYTICAL	WATER LEVEL	DEPTH (FEET)	OVM READING (PPM)	ESTIMATED PERCENT: GRAVEL	ESTIMATED PERCENT: SAND	ESTIMATED PERCENT: FINES	GRAPHIC LOG
						1–30					

SAMPLING METHOD:

MONITORING INSTRUMENT:

FIRST ENCOUNTERED WATER DEPTH:

STATIC WATER DEPTH - DATE:

Asphalt

fill

Pea gravel, Tank bed Fill

End Boring

SOIL BORING AND WELL CONSTRUCTION LOG:

CLEARWATER GROUP INC.

Project No: C-142

Sheet 6 of 8

FIELD LOCATION OF BORING:	CLIENT/LOCATION:	PLANNED USE:	BORING DEPTH: 15'	BORING/WELL NO.: GP-5
	DRILLING CONTRACTOR:	DRILL RIG TYPE:	WELL DEPTH:	BORING DIAMETER: 2"
	DRILL RIG OPERATOR:	WELL MATERIAL:	SCREEN SLOT SIZE: 1.0	FILTER PACK:
	WELL SEAL:			DRILLING DATE:

FINISH:

DRILLING START:

LOGGED BY:

APPROVED BY:

WELL CONSTRUCTION DETAIL	SAMPLING: BLOWS/6" INTERVAL	SAMPLING: INTERVAL	SAMPLING: RECOVERY	SAMPLING: ANALYTICAL	WATER LEVEL	DEPTH (FEET)	OVM READING (PPM)	ESTIMATED PERCENT: GRAVEL	ESTIMATED PERCENT: SAND	ESTIMATED PERCENT: FINES	GRAPHIC LOG
						1					
						2					
						3					
						4					
						5					
						6					
						7					
						8					
						9					
						10					
						11					
						12					
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						20					
						21					
						22					
						23					
						24					
						25					
						26					
						27					
						28					
						29					
						30					

SAMPLING METHOD:

MONITORING INSTRUMENT:

FIRST ENCOUNTERED WATER DEPTH: 7.4'

STATIC WATER DEPTH - DATE: 9.0

Asphalt 3-4"

artificial fill

Sandy silt, organic rich, Grey-Green

slight fuel odor

Silty Peat - 80% organics

End Boring

SOIL BORING AND WEL CONSTRUCTION LOG:

CLEARWATER GROUP INC.

Project No. C-143

Sheet 2 of 4

FIELD LOCATION OF BORING:	CLIENT/LOCATION: Ryder 8001 Oakport	PLANNED USE: H2O sam	BORING DEPTH: 15'
	DRILLING CONTRACTOR: Fast-Tek	DRILL RIG TYPE: Geoprobe	WELL DEPTH: NA
	DRILL RIG OPERATOR: Ed Svoboda	WELL MATERIAL: 1" sch 40 pvc	SCREEN SLOT SIZE: 1.0
	WELL SEAL:		FILTER PACK: NA
			BORING / WELL NO.: GP-8
			BORING DIAMETER: 2"
			DRILLING DATE: 7-22-99

SAMPLING METHOD:

MONITORING INSTRUMENT:

FIRST ENCOUNTERED WATER DEPTH: ~4'

STATIC WATER DEPTH - DATE: 7.6' 7-22-99

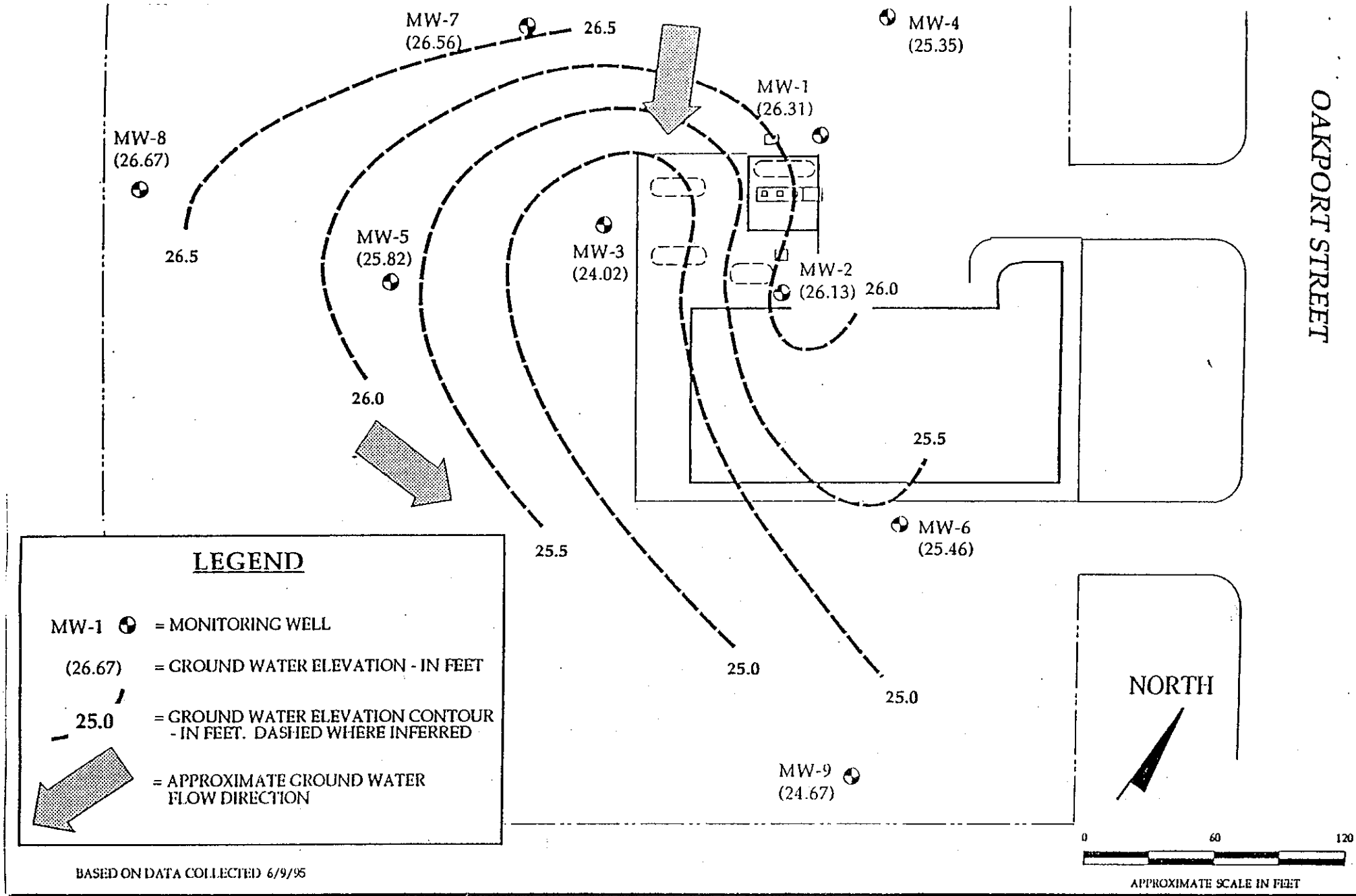
WELL CONSTRUCTION DETAIL	SAMPLING: BLOWS/6" INTERVAL	SAMPLING: INTERVAL	SAMPLING: RECOVERY	SAMPLING: ANALYTICAL	WATER LEVEL	DEPTH (FEET)	OVM READING (PPM)	ESTIMATED PERCENT: GRAVEL	ESTIMATED PERCENT: SAND	ESTIMATED PERCENT: FINES	GRAPHIC LOG	
						1						Aspalt 3-4"
						2		40	50	10		Artifical fill
						3						
						4						
						5		5	<1	94		OL/OH organic rich mud, shells, some sand <1%, Gravel <5% Bay Mud 94%, Grey
						6						
						7						
						8						
						9		<1	20	80		Sandy silt, significant shell components, gravel gone Grey
						10						
						11						
						12						
						13						Elastic clay, some sand
						14						
						15						End boring
						16						
						17						
						18						
						19						
						20						
						21						
						22						
						23						
						24						
						25						
						26						
						27						
						28						
						29						
						30						

FINISH:

DRILLING START:

LOGGED BY:

APPROVED BY:



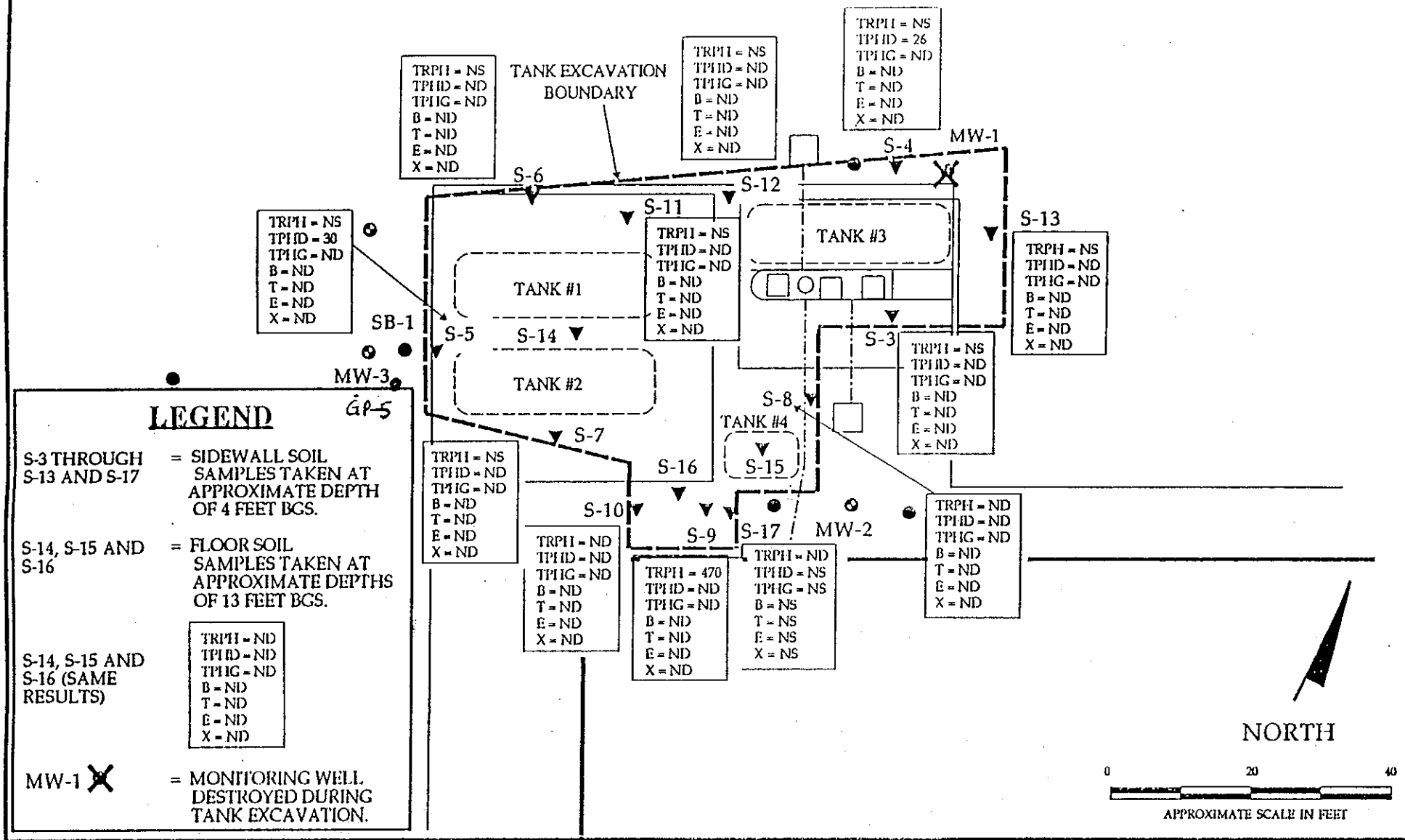
BASED ON DATA COLLECTED 6/9/95

HYDRO-ENVIRONMENTAL

GROUND WATER CONTOUR MAP

Ryder Truck Rental Facility LC-0227
8001 Oakport Street

Figure 5



LEGEND

S-3 THROUGH S-13 AND S-17 = SIDEWALL SOIL SAMPLES TAKEN AT APPROXIMATE DEPTH OF 4 FEET BGS.

S-14, S-15 AND S-16 = FLOOR SOIL SAMPLES TAKEN AT APPROXIMATE DEPTHS OF 13 FEET BGS.

S-14, S-15 AND S-16 (SAME RESULTS)

TRPH = ND
TPHD = ND
TPHG = ND
B = ND
T = ND
E = ND
X = ND

MW-1 X = MONITORING WELL DESTROYED DURING TANK EXCAVATION.

HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.

SOIL SAMPLE LOCATIONS AND RESULTS

Ryder Truck Rental, Inc.
8001 Oakport Road
Oakland, CA

Figure 7

7-201.3 7/95

Table 3

GROUND WATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS
Ryder Truck Rental LC-0227
8001 Oakport Street
Oakland, California

Well-No.	Date	TOC (feet)	DTW (feet)	GW Elev (feet)	TPHd (mg/L)	TPHg (mg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW-2	10/15/93	30.21	4.14	26.07	NS	NS	NS	NS	NS	NS
	11/16/93	30.21	4.26	25.95	1.6	0.05	ND<0.5	ND<0.5	ND<0.5	0.7
	2/16/94	30.21	4.04	26.17	1.2	ND<0.05	ND<0.3	ND<0.3	ND<0.3	ND<0.6
	10/4/94	30.21	4.25	25.96	4.3	ND<0.1 (5)	ND<1.0 (5)	ND<1.0 (5)	ND<1.0 (5)	ND<1.0 (5)
	3/15/95	30.21	4.00	26.21	2.5	ND<0.1	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	6/9/95	30.21	4.08	26.13	1.1	NS	ND<0.3	ND<0.3	0.70	ND<0.6
	6/14/95	30.21	4.08	26.13	NS	NS	NS	NS	NS	NS
	6/15/95	30.21	4.74	25.47	NS	NS	NS	NS	NS	NS
	6/16/95	30.21	4.68	25.53	NS	NS	NS	NS	NS	NS
MW-3	3/20/92	30.00	6.18	23.82	1.2	0.097	20	ND<0.5	ND<0.5	ND<0.5
	12/8/92	30.00	7.05	22.95	NS	NS	NS	NS	NS	NS
	1/27/93	30.00	5.70	24.30	0.47	0.09	6.3	0.6	ND<0.5	0.6
	2/24/93	30.00	5.64	24.36	NS	NS	NS	NS	NS	NS
	3/26/93	30.00	5.68	24.32	NS	NS	NS	NS	NS	NS
	4/14/93	30.00	5.92	24.08	0.98	0.06	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	5/13/93	30.00	6.05	23.95	NS	NS	NS	NS	NS	NS
	8/20/93	30.00	6.62	23.38	1.5	0.069	0.6	0.8	1.1	1.7
	9/17/93	30.00	7.18	22.82	NS	NS	NS	NS	NS	NS
	10/15/93	30.00	5.17	24.83	NS	NS	NS	NS	NS	NS
	11/16/93	30.00	7.43	22.57	1.1	0.067	0.6	ND<0.5	ND<0.5	1.3
	2/16/94	30.00	6.24	23.76	NS	NS	NS	NS	NS	NS
	10/4/94 (3)	30.00	6.88	23.12	0.35	NS	NS	NS	NS	NS
	3/15/95	30.00	4.71	25.29	NS	NS	NS	NS	NS	NS
	6/9/95	30.00	5.98	24.02	1.1	NS	ND<0.3	ND<0.3	0.70	ND<0.6
	6/14/95	30.00	6.51	23.49	NS	NS	NS	NS	NS	NS
	6/15/95	30.00	6.97	23.03	NS	NS	NS	NS	NS	NS
	6/16/95	30.00	7.10	22.90	NS	NS	NS	NS	NS	NS