11200 Hempstead Highway
Houston, Texas 77092
713 686 3840 Fax 713 688 1030

RO 830
CL

June 2, 1993

RYDER

Mr. Barney Chan
Alameda County Department of Environmental Health
80 Swan Way, Room 200
Oakland, California 94621

SUBJECT: RYDER TRUCK RENTAL FACILITY LC-0227
8001 Oakport Road
Oakland, California

572

Dear Mr. Chan:

Enclosed please find a copy of the Quarterly Monitoring report prepared by Hydro-Environmental Technologies, Inc. (HETI) on the subject property. I trust this information meets your needs. If you have any questions regarding this site or any other Ryder site in your jurisdiction, please contact me in Houston.

Respectfully submitted,

RYDER TRUCK RENTAL, INC.

Ivan J. Gonzalez, P.E.
Environmental Project Engineer

Enclosure

cc: J. Barr/File - Miami
C. Boyles - San Francisco
A. Brummer - Miami
Vijay Patel - RWQCB, San Francisco Bay Region, 2101 Webster Street, Suite 500, Oakland, CA 94612

lc0227.gw3

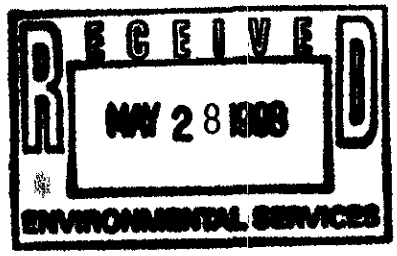
HYDRO
ENVIRONMENTAL
TECHNOLOGIES, INC.

QUARTERLY MONITORING REPORT

Ryder Truck Rental, Location Code 0227
8001 Oakport Road
Oakland, California

Prepared for:

RYDER TRUCK RENTAL, INC.
11200 Hempstead Highway
Houston, TX 77092



Prepared by:

HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.
2363 Mariner Square Drive, Suite 243
Alameda, California 94501
HETI Job No. 7-201

May 25, 1993

HYDRO
ENVIRONMENTAL
TECHNOLOGIES, INC.

CERTIFICATION

This report was prepared under the supervision of a registered professional engineer. All statements, conclusions and recommendations are based solely upon field observations and analytical analyses performed by a state-certified laboratory related to work performed by Hydro-Environmental Technologies, Inc.

It is possible that variations in soil or ground water conditions exist beyond the points explored in this investigation. Also, site conditions are subject to change at some time in the future due to variations in rainfall, temperature, regional water usage, or other factors.

The service performed by Hydro-Environmental Technologies, Inc. has been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in the area of the site. No other warranty, expressed or implied, is made.

Hydro-Environmental Technologies, Inc. includes in this report chemical analytical data from a state-certified laboratory. These analyses are performed according to procedures suggested by the U.S. EPA and the State of California. Hydro-Environmental Technologies, Inc. is not responsible for laboratory errors in procedure or result reporting.

HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.

Prepared by:

FRANCES MARONI FOR
Henry A. Hurkmans
Staff Geologist

Reviewed by:

Brian M. Gwinn
Project Manager

Owen C. Ratchye, P.E.
Project Engineer

1.0 INTRODUCTION

The purpose of this report is to present the results of Hydro-Environmental Technologies, Inc.'s (HETI's) quarterly ground water sampling and monthly ground water gauging at Ryder Truck Rental, Inc. (Ryder) Location Code 0227 located at 8001 Oakport Road in Oakland, California (Figure 1 & 2). Monthly ground water gauging was performed on February 24 and March 26, 1993 and during the quarterly ground water sampling event on April 14, 1993. Quarterly ground water samples collected from the site's nine monitoring wells were analyzed for total petroleum hydrocarbons as diesel (TPHd) using EPA Method 8015 (modified), total petroleum hydrocarbons as gasoline (TPHg) using EPA Method 8015 (modified) and benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8020 (modified). All documentation related to the field work is appended to this report.

2.0 BACKGROUND

The site is situated in an area of light industrial and warehouse use (Figure 2). The site is currently used by Ryder as a truck maintenance and rental facility. Unleaded gasoline, diesel fuel and new engine oil are currently stored in underground storage tanks and dispensed on site. Used oil is now contained in an above ground storage tank. Maintenance building and underground storage tank locations are shown on the Site Plan (Figure 3).

In April and May 1991, Roy F. Weston, Inc. (Weston) installed five soil borings, designated SB-1 through SB-5, at the site and collected soil and grab ground water samples for laboratory analysis. Soil and ground water sample analytical results indicated that petroleum hydrocarbons were present in soil and ground water in the vicinity of the underground storage tanks. Results of this phase of investigation were presented in Weston's report dated May 31, 1991.

The underground used oil tank did not pass a tightness test in 1991. Ryder retained HETI to evaluate the petroleum hydrocarbons detected during the Weston assessment and to supervise the removal of the underground used oil storage tank. HETI installed three 4-inch diameter and three 2-inch diameter monitoring wells, designated MW-1 through MW-6, and one soil boring, designated B-1, between March and April 1992. Analytical results of water samples collected from the wells following well development are found in Table 1. Complete results of the used oil tank removal and the initial phase of well installation and soil and ground water sampling were presented in HETI's *Used Oil Tank Removal and Subsurface Investigation Report* dated July 14, 1992.

The aforementioned report noted that ground water flow direction beneath the site was not uniform. A ground water trough was calculated to be present in the vicinity of well MW-3, the axis of which trended east-west with ground water flow to the west. Following review of the well logs and historical aerial photographs, HETI concluded that ground water flow patterns are preferential, and may be dependent on sedimentation and stratigraphic characteristics of the tidal flat deposits buried beneath the site. In the 1950's, the tidal flat was developed by diking and draining, and elevated above sea level by filling with local quarry rock. This gravelly rock fill is partially below water table and may not be consistent throughout the site. It may also contain preferential flow paths for ground water movement.

In September 1992, HETI supervised the installation of three additional 2-inch monitoring wells designated MW-7, MW-8 and MW-9. The analytical results of water samples collected from the wells after well development are found in Table 1. Complete details of this phase of work can be found in HETI's *Phase II Subsurface Investigation Report* dated November 11, 1992. Quarterly ground water sampling was conducted on January 27, 1993 and results were presented in HETI's *Quarterly Monitoring Report* dated March 30, 1993.

3.0 FIELD ACTIVITIES

On February 24, March 26, and April 14, 1993 water levels in all wells were measured to the nearest one-hundredth foot using an electronic water sounder. The wells were opened twelve hours before gauging to allow water levels to stabilize.

April 14, 1993, HETI personnel collected ground water samples at the site. Following gauging, monitoring wells MW-1, MW-4, MW-5, MW-7, MW-8 and MW-9 were purged of at least three well casing volumes. Monitoring wells MW-2, MW-3 and MW-6 were purged dry with slightly less than three well casing volumes removed. The purge water from each of the wells was visually inspected and found not to contain separate-phase petroleum product. Purge water temperature, pH and conductivity parameters were recorded and noted to stabilize during each well purging. Gauging and purging data are included in Appendix A.

After purging and recovery of ground water levels to at least 70% of static levels, water samples were collected from each well with a dedicated or a disposable bailer. Each sample was transferred to appropriate sample containers provided by the analytical laboratory. Sample containers were labeled and placed in a cooler. A chain of custody was prepared and accompanied the samples to the laboratory; a copy is included in Appendix B. All sampling was performed according to HETI standard operating procedures (previously submitted) and was consistent with guidelines established by the lead regulatory agencies. Water sample analyses were

performed by PACE Incorporated, a state DHS-certified laboratory located in Novato, California.

4.0 RESULTS OF MONITORING

4.1 Ground Water Data

The depth to water measurements were combined with wellhead elevation data, previously collected by HETI, to calculate water table elevations for the three gauging rounds. These elevations are listed in Table 1, and were used to produce Ground Water Elevation Contour Maps (Figures 4.1, 4.2 and 4.3).

Depth to ground water in each of the wells ranged from 0.76 to 5.64, 0.78 to 5.68, and 2.02 to 5.92 feet below grade, respectively, in the February, March and April gaugings. General ground water elevations were similar in the February and March gaugings. Overall ground water elevations had decreased by the April gauging.

The ground water contours calculated from the past three monthly gaugings are generally similar to those calculated last quarter. As in past gaugings, ground water elevations in monitoring well MW-3 were anomalously lower than water elevations in nearby surrounding monitoring wells. Therefore ground water flow directions appear to be towards MW-3 in the northwest half of the site. Only two monitoring wells exist in the southeast half of the site where apparent ground water flow is southeast. Ground water gradient as measured between MW-1 and MW-3 decreased slightly from 0.0037 ft/ft in February to 0.0034 ft/ft in March to 0.0030 ft/ft in April.

4.2 Laboratory Analytical Results

TPHd was detected in concentrations exceeding the method detection limit in ground water samples collected from monitoring wells MW-1, MW-2, MW-3, MW-5, MW-6 and MW-7. TPHd concentrations ranged from 110 parts per billion (ppb) in water samples collected from monitoring well MW-1, to 980 ppb in the water sample collected from monitoring well MW-2. TPHd was not detected in concentrations exceeding the method detection limit in water samples collected from wells MW-4, MW-8, and MW-9.

TPHg was detected at a concentration of 61 ppb in the ground water sample collected from monitoring well MW-3. TPHg were not detected in concentrations exceeding the method detection limit in ground water samples collected from the other eight monitoring wells. Benzene, toluene, ethylbenzene and total xylenes were not

detected in concentrations exceeding the method detection limit in ground water samples collected from any of the wells.

Hydrocarbon concentrations in samples collected from the wells were generally similar to concentrations in samples collected from the same wells in previous sampling rounds. Analytical results are summarized in Table 1, and are graphically illustrated on the Dissolved Hydrocarbon Distribution Map (Figure 5). Copies of the laboratory reports are included in Appendix B.

5.0 STATUS OF INVESTIGATION

At the request of the Alameda County Department of Environmental Health, ground water samples are scheduled for collection at the site on a quarterly basis, and well gaugings are scheduled to occur on a monthly basis. The underground storage tanks are tentatively scheduled for removal in 1993. At that time, with the additional cumulative gauging and ground water analytical data, and information collected during the tank removal, a work plan for additional assessment (if deemed necessary) and corrective action will be developed.

TABLES

Table 1

SUMMARY OF GROUND WATER GAUGING AND ANALYTICAL RESULTS

Ryder Truck Rental LC 0227
8001 Oakport Road
Oakland, California

Well-No.	Date	TOC (feet)	DTW (feet)	GW Elev (feet)	TPHd (ppb)	TPHg (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	TOG (ppb)	Cd (ppb)	Cr (ppb)	Ni (ppb)	Zn (ppb)
MW-1	3/20/92	29.57	3.70	25.87	250	55	6.9	0.7	2.9	6	ND<5,000	ND<5	20	30	ND<10
	12/8/92	29.57	4.55	25.02	–	–	–	–	–	–	–	–	–	–	–
	1/27/93	29.57	1.91	27.66	120	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	–	–	–	–	–
	2/24/93	29.57	1.85	27.72	–	–	–	–	–	–	–	–	–	–	–
	3/26/93	29.57	2.22	27.35	–	–	–	–	–	–	–	–	–	–	–
	4/14/93	29.57	2.77	26.80	110	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	–	–	–	–	–
MW-2	3/20/92	30.21	4.08	26.13	2,000	ND<50	ND<0.5	0.7	ND<0.5	2.5	ND<5,000	7	ND<10	30	ND<10
	12/8/92	30.21	3.39	26.82	-	-	-	-	-	-	-	-	-	-	-
	1/27/93	30.21	3.96	26.25	720	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	–	–	–	–	–
	2/24/93	30.21	3.90	26.31	–	–	–	–	–	–	–	–	–	–	–
	3/26/93	30.21	3.85	26.36	–	–	–	–	–	–	–	–	–	–	–
	4/14/93	30.21	4.01	26.20	890	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	–	–	–	–	–
MW-3	3/20/92	30.00	6.18	23.82	1,200	97	20	ND<0.5	ND<0.5	ND<0.5	ND<5,000	6	30	50	10
	12/8/92	30.00	7.05	22.95	–	–	–	–	–	–	–	–	–	–	–
	1/27/93	30.00	5.70	24.30	470	88	6.3	0.6	ND<0.5	0.6	–	–	–	–	–
	2/24/93	30.00	5.64	24.36	–	–	–	–	–	–	–	–	–	–	–
	3/26/93	30.00	5.68	24.32	–	–	–	–	–	–	–	–	–	–	–
	4/14/93	30.00	5.92	24.08	980	61	ND<0.5	ND<0.5	ND<0.5	ND<0.5	–	–	–	–	–
MW-4	5/12/92	30.16	4.28	25.88	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5,000	ND<5	ND<10	ND<20	21
	12/8/92	30.16	5.13	25.03	-	-	-	-	-	-	-	-	-	-	-
	1/27/93	30.16	2.46	27.70	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	–	–	–	–	–
	2/24/93	30.16	2.37	27.79	–	–	–	–	–	–	–	–	–	–	–
	3/26/93	30.16	2.76	27.40	–	–	–	–	–	–	–	–	–	–	–
	4/14/93	30.16	3.24	26.92	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	–	–	–	–	–
MW-5	5/12/92	28.82	1.01	27.81	520(H)	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	–	20	ND<10	ND<20	47
	12/8/92	28.82	3.08	25.74	–	–	–	–	–	–	–	–	–	–	–
	1/27/93	28.82	2.06	26.76	290	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	–	–	–	–	–
	2/24/93	28.82	2.03	26.79	–	–	–	–	–	–	–	–	–	–	–
	3/26/93	28.82	1.84	26.98	–	–	–	–	–	–	–	–	–	–	–
	4/14/93	28.82	2.02	26.80	160.00	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	–	–	–	–	–
MW-6	5/12/92	30.02	4.68	25.34	190	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	–	54	ND<10	ND<20	59
	12/8/92	30.02	5.69	24.33	–	–	–	–	–	–	–	–	–	–	–
	1/27/93	30.02	4.72	25.30	120	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	–	–	–	–	–
	2/24/93	30.02	5.38	24.64	–	–	–	–	–	–	–	–	–	–	–
	3/26/93	30.02	3.93	26.09	–	–	–	–	–	–	–	–	–	–	–
	4/14/93	30.02	4.25	25.77	120	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	–	–	–	–	–

Table 1

SUMMARY OF GROUND WATER GAUGING AND ANALYTICAL RESULTS

Ryder Truck Rental LC 0227
8001 Oakport Road
Oakland, California

Well-No.	Date	TOC (feet)	DTW (feet)	GW Elev (feet)	TPHd (ppb)	TPHg (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	TOG (ppb)	Cd (ppb)	Cr (ppb)	Ni (ppb)	Zn (ppb)
MW-7	9/14/92	29.81	4.41	25.40	210	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND<5	50	80	310
	12/8/92	29.81	5.35	24.46	--	--	--	--	--	--	--	--	--	--	--
	1/27/93	29.81	1.54	28.27	230	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	--	--
	2/24/93	29.81	1.41	28.40	--	--	--	--	--	--	--	--	--	--	--
	3/26/93	29.81	2.01	27.80	--	--	--	--	--	--	--	--	--	--	--
	4/14/93	29.81	2.61	27.20	180	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	--	--
MW-8	9/14/92	29.92	5.39	24.53	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND<5	ND<10	30	50
	12/8/92	29.92	4.96	24.96	-	-	-	-	-	-	-	-	-	-	-
	1/27/93	29.92	1.16	28.76	ND<50	ND<50	ND<0.5	0.6	ND<0.5	1	--	--	--	--	--
	2/24/93	29.92	0.76	29.16	--	--	--	--	--	--	--	--	--	--	--
	3/26/93	29.92	0.78	29.14	--	--	--	--	--	--	--	--	--	--	--
	4/14/93	29.92	2.15	27.77	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	--	--
MW-9	9/14/92	29.76	7.64	22.12	71	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND<5	ND<10	60	70
	12/8/92	29.76	7.53	22.23	--	--	--	--	--	--	--	--	--	--	--
	1/27/93	29.76	2.86	26.90	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	--	--
	2/24/93	29.76	3.61	26.15	--	--	--	--	--	--	--	--	--	--	--
	3/26/93	29.76	3.96	25.80	--	--	--	--	--	--	--	--	--	--	--
	4/14/93	29.76	4.86	24.90	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	--	--
				CA AL	NA	NA	0.7	100	NA	NA	NA	NA	NA	NA	NA
				FED MCL	NA	NA	5	1,000	700	10,000	NA	10	50	NA	NA

Table 1

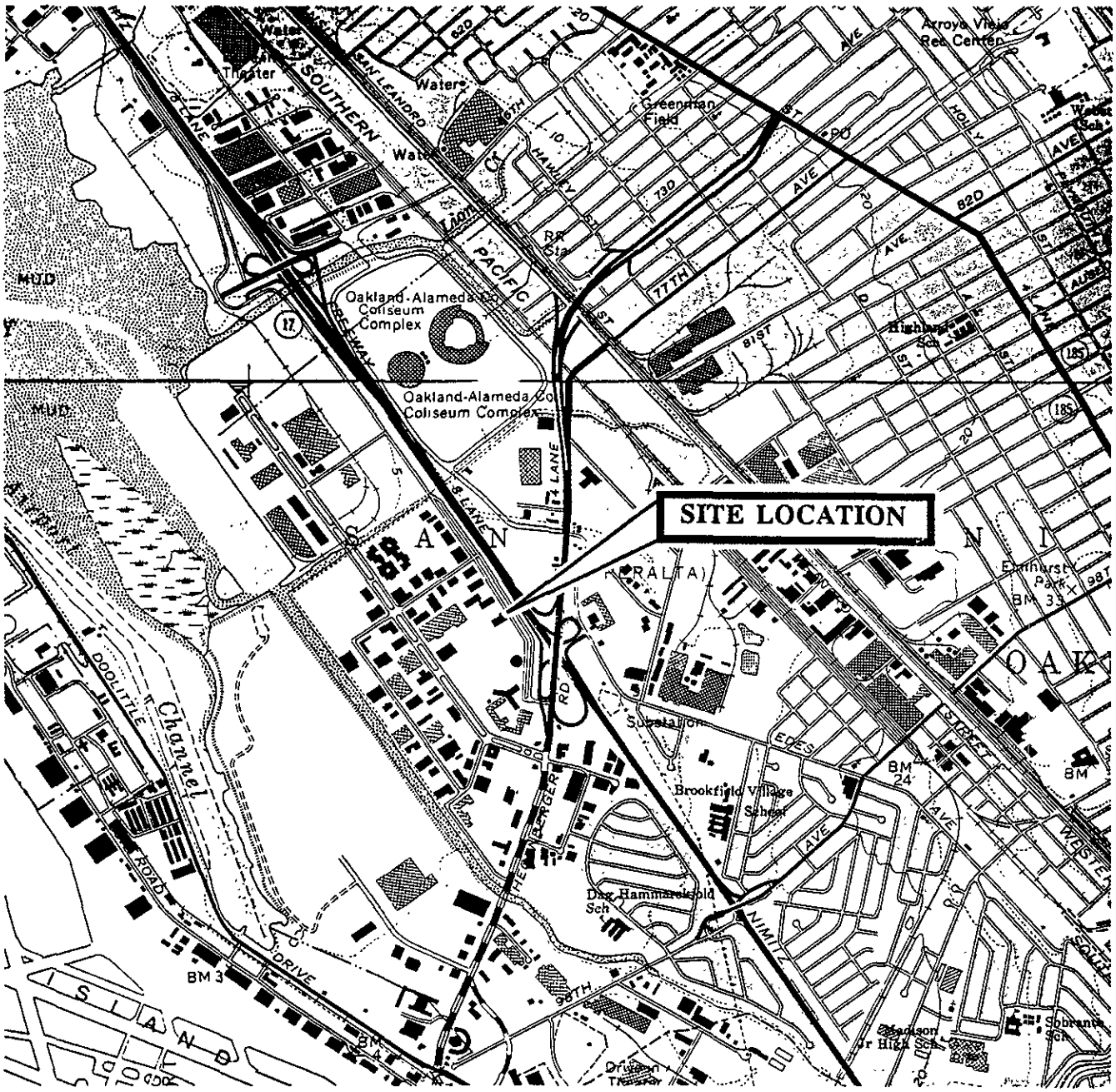
SUMMARY OF GROUND WATER GAUGING AND ANALYTICAL RESULTS

Ryder Truck Rental LC 0227
8001 Oakport Road
Oakland, California

Notes:

TPHd = Total Petroleum Hydrocarbons as diesel by EPA Method 8015 (modified)
TPHg = Total Petroleum Hydrocarbons as gasoline by EPA Method 8015 (modified)
BTEX = Benzene, Toluene, Ethylbenzene, total Xylenes by EPA Method 8020 (modified)
TOG = Total Oil and Grease by EPA Method 418.1 (IR)
Cd, Cr, Ni, Zn = Cadmium, Chromium, Nickel and Zinc by EPA Method 6010/200.7, ICP
TOC = Top of Casing north side
DTW = Depth to Water
GW Elev = Ground Water Elevation
ND = Not detected in concentrations exceeding the method detection limit
– = Not Tested
CA AL = California Action Levels, Department of Health Services
FED MCL = Federal Maximum Contaminant Levels
NA = Not Available or Established
(H) = Hydrocarbons greater than C-22 detected

FIGURES



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

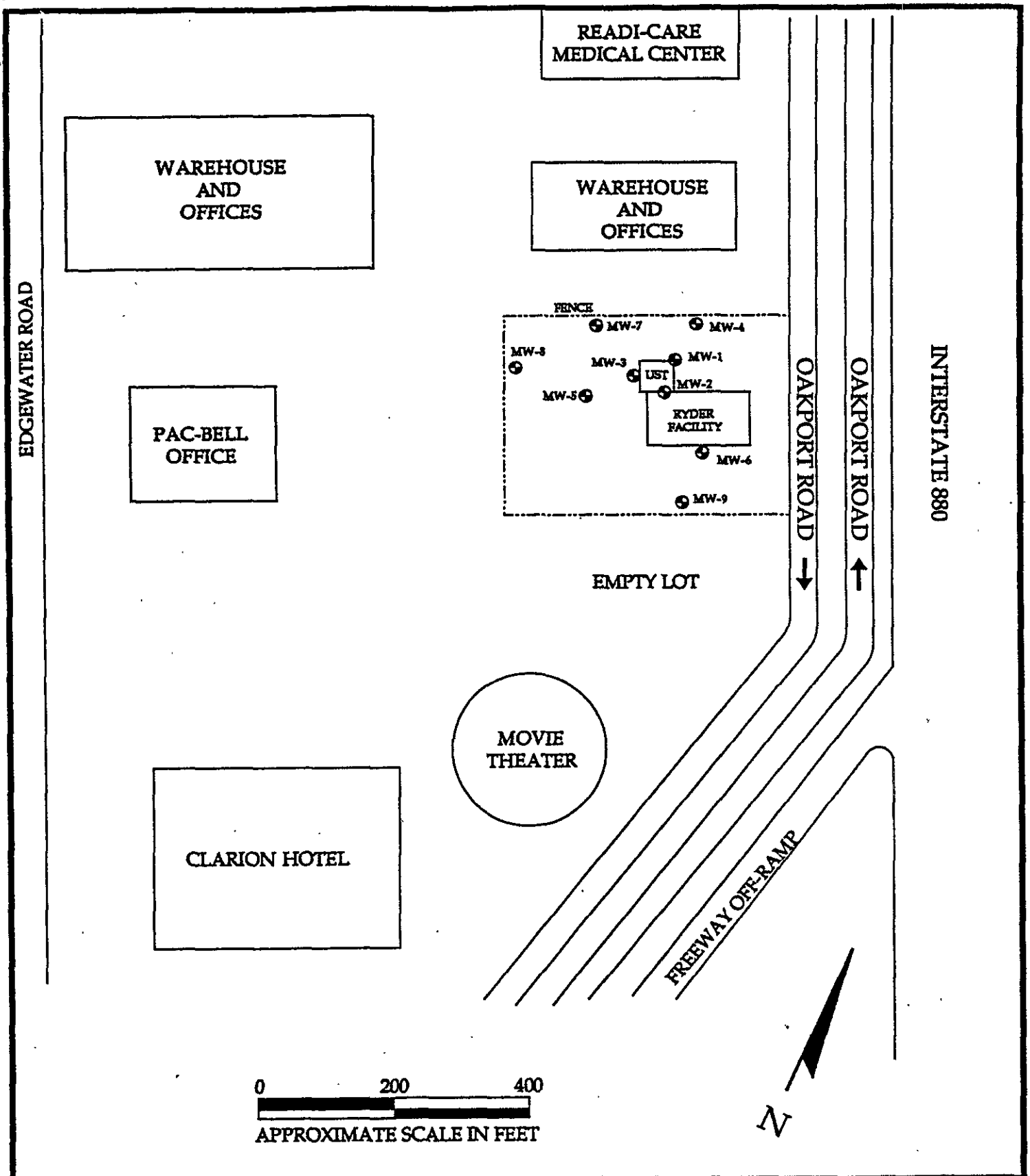
N

HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.

SITE LOCATION MAP

Ryder Truck Rental
8001 Oakport Road
Oakland, California

Job No.
7-201
Figure
1

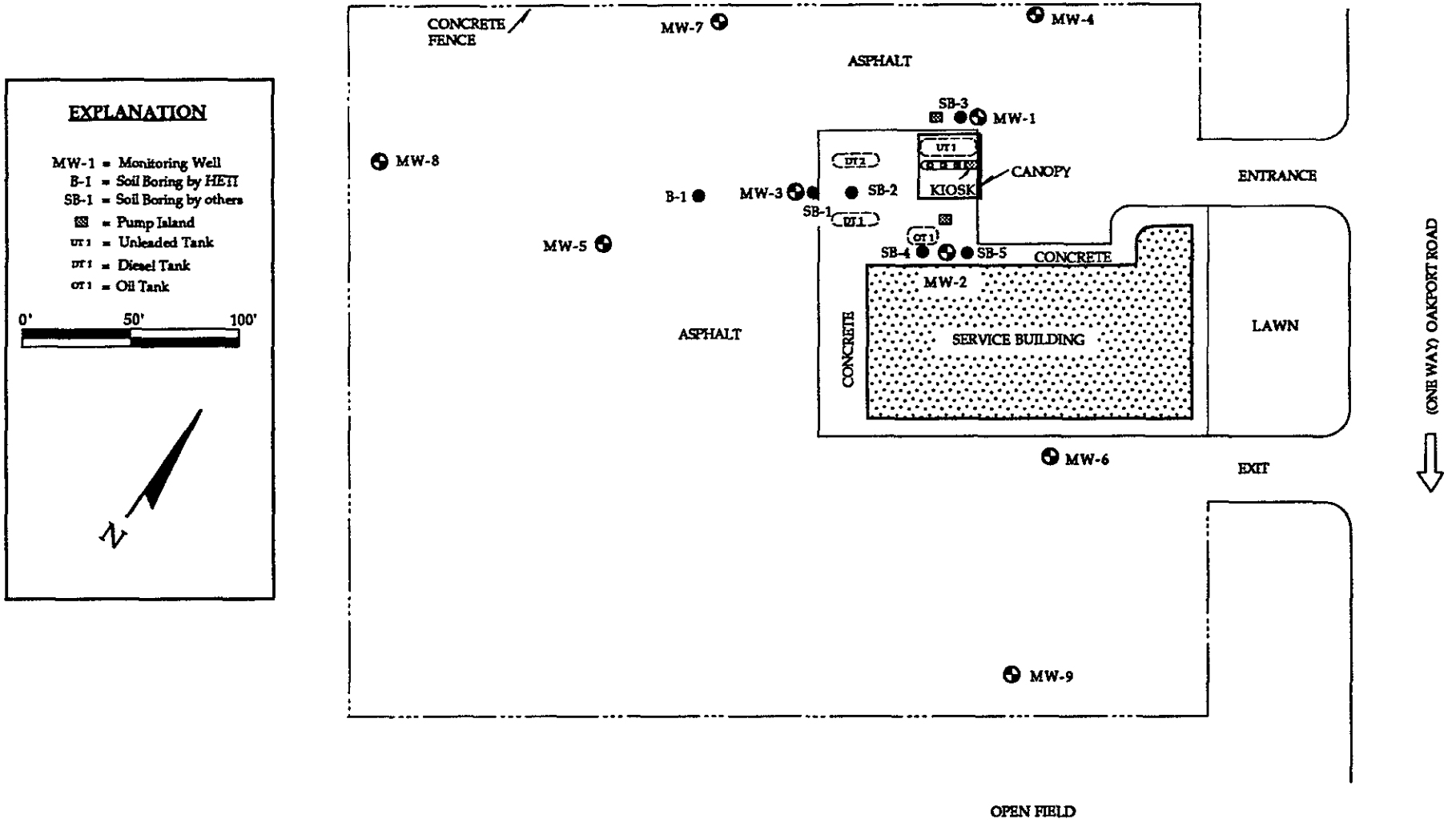


HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.

SITE VICINITY MAP

Ryder Truck Rental
8001 Oakport Road
Oakland, California

Job No.
7-201
Figure
2

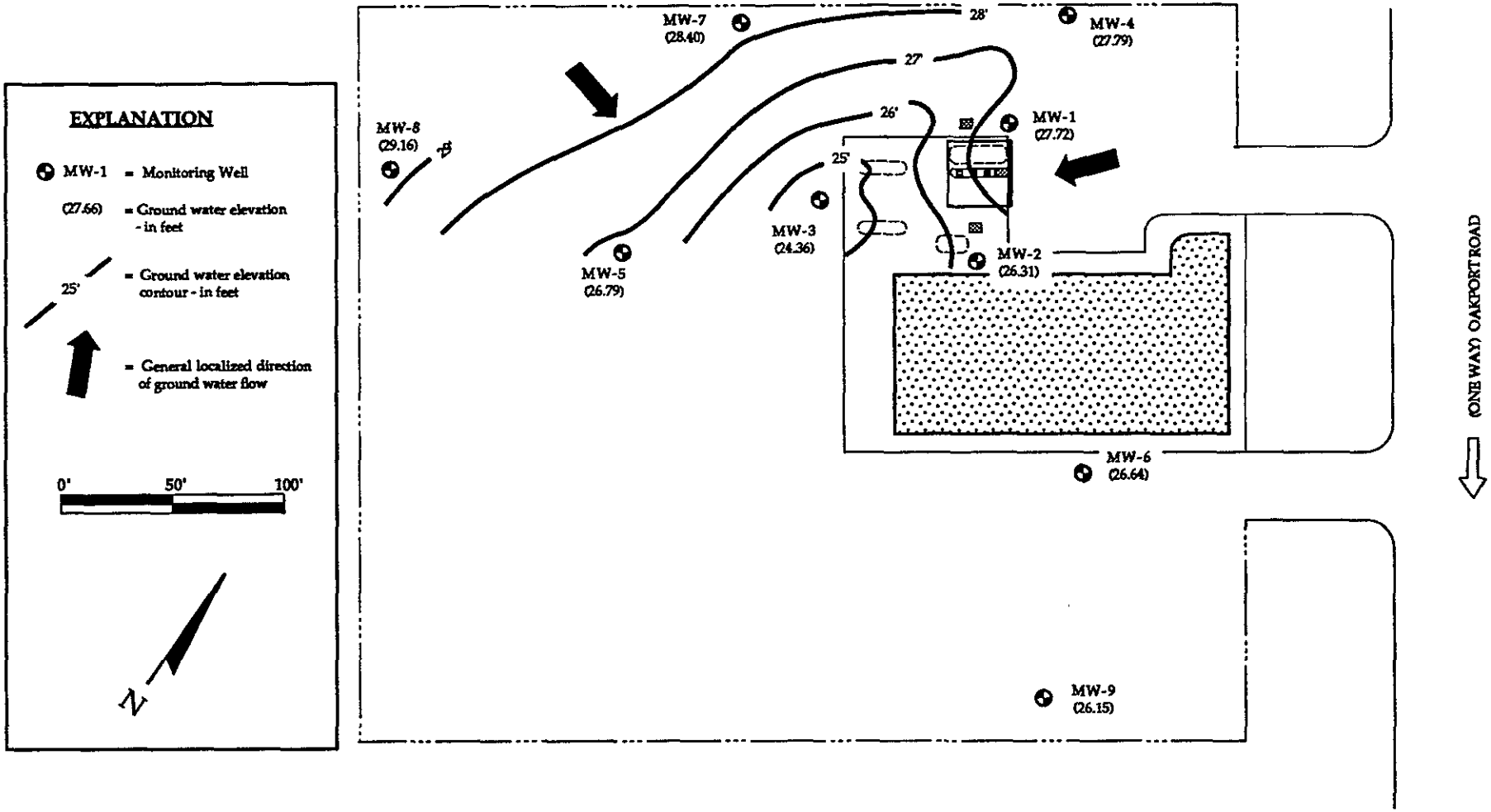


HYDRO ENVIRONMENTAL TECHNOLOGIES, INC.

SITE PLAN

Ryder Truck Rental
8001 Oakport Road
Oakland, California

Job No.
7-201
Figure
3



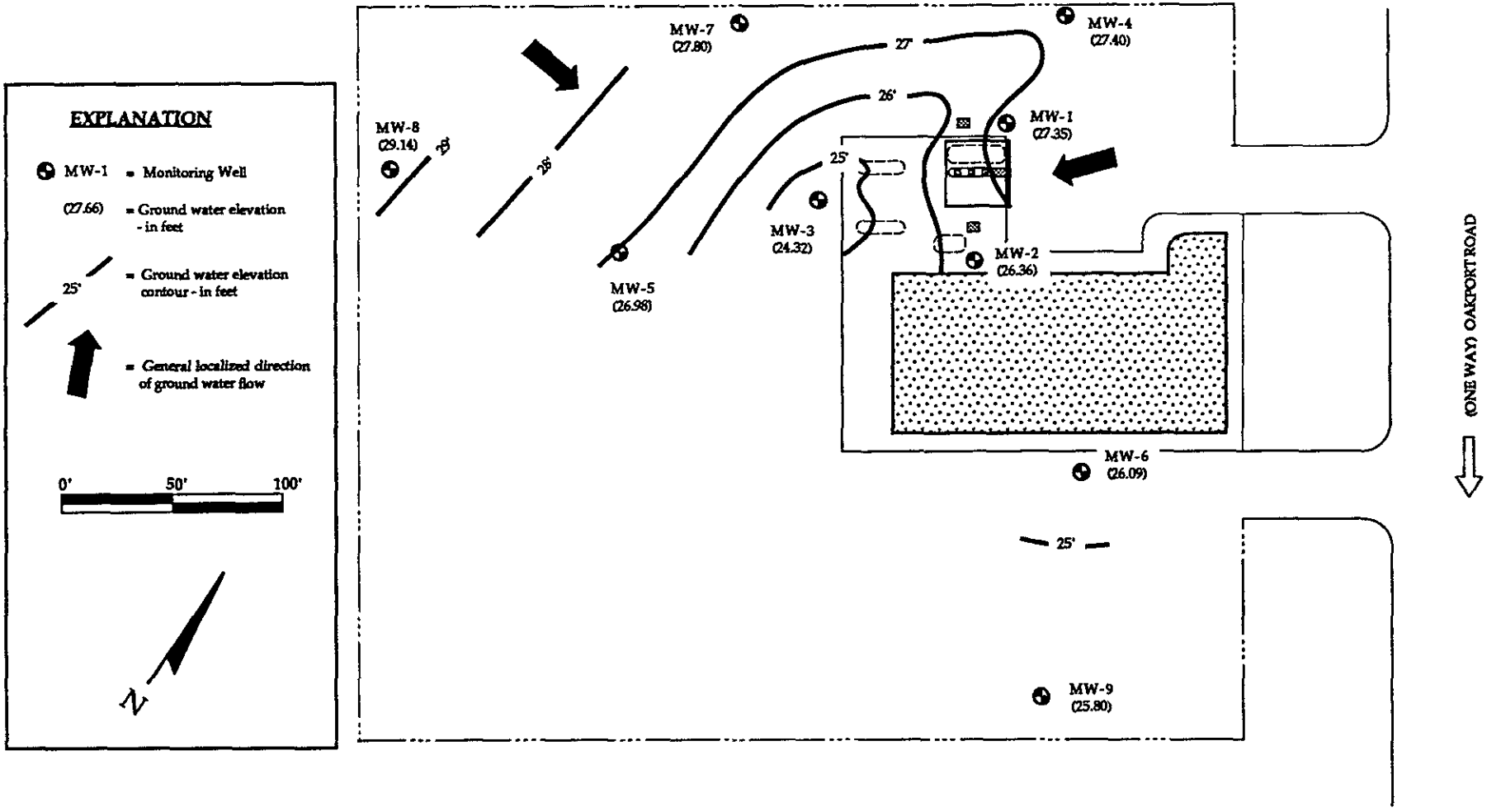
Based on data collected 2/24/93

HYDRO ENVIRONMENTAL TECHNOLOGIES, INC.

GROUND WATER ELEVATION CONTOUR MAP

Ryder Truck Rental
8001 Oakport Road
Oakland, California

Job No. 7-201
Figure 4.1



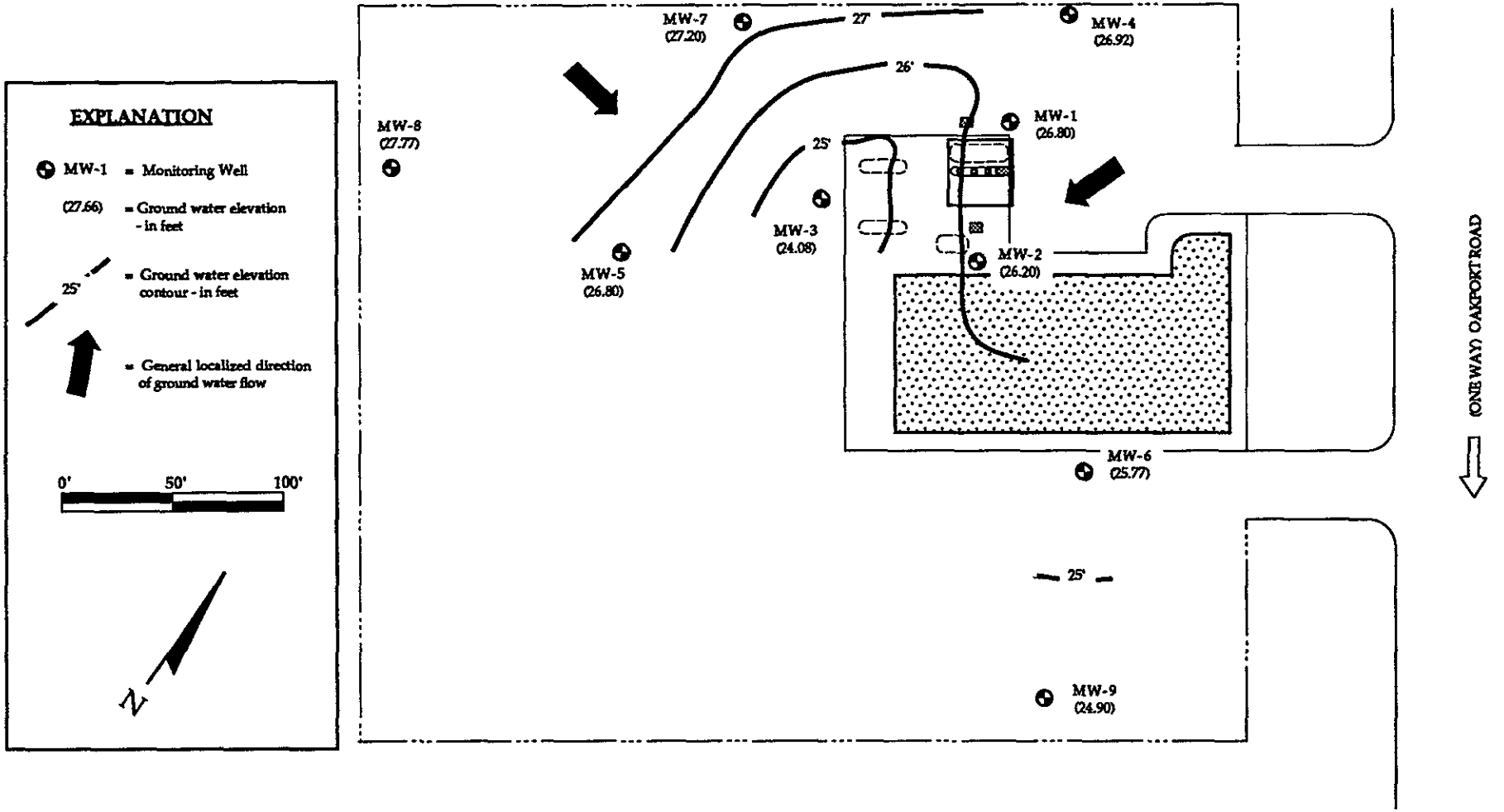
Based on data collected 3/26/93

HYDRO ENVIRONMENTAL TECHNOLOGIES, INC.

GROUND WATER ELEVATION CONTOUR MAP

Ryder Truck Rental
8001 Oakport Road
Oakland, California

Job No. 7-201
Figure 4.2



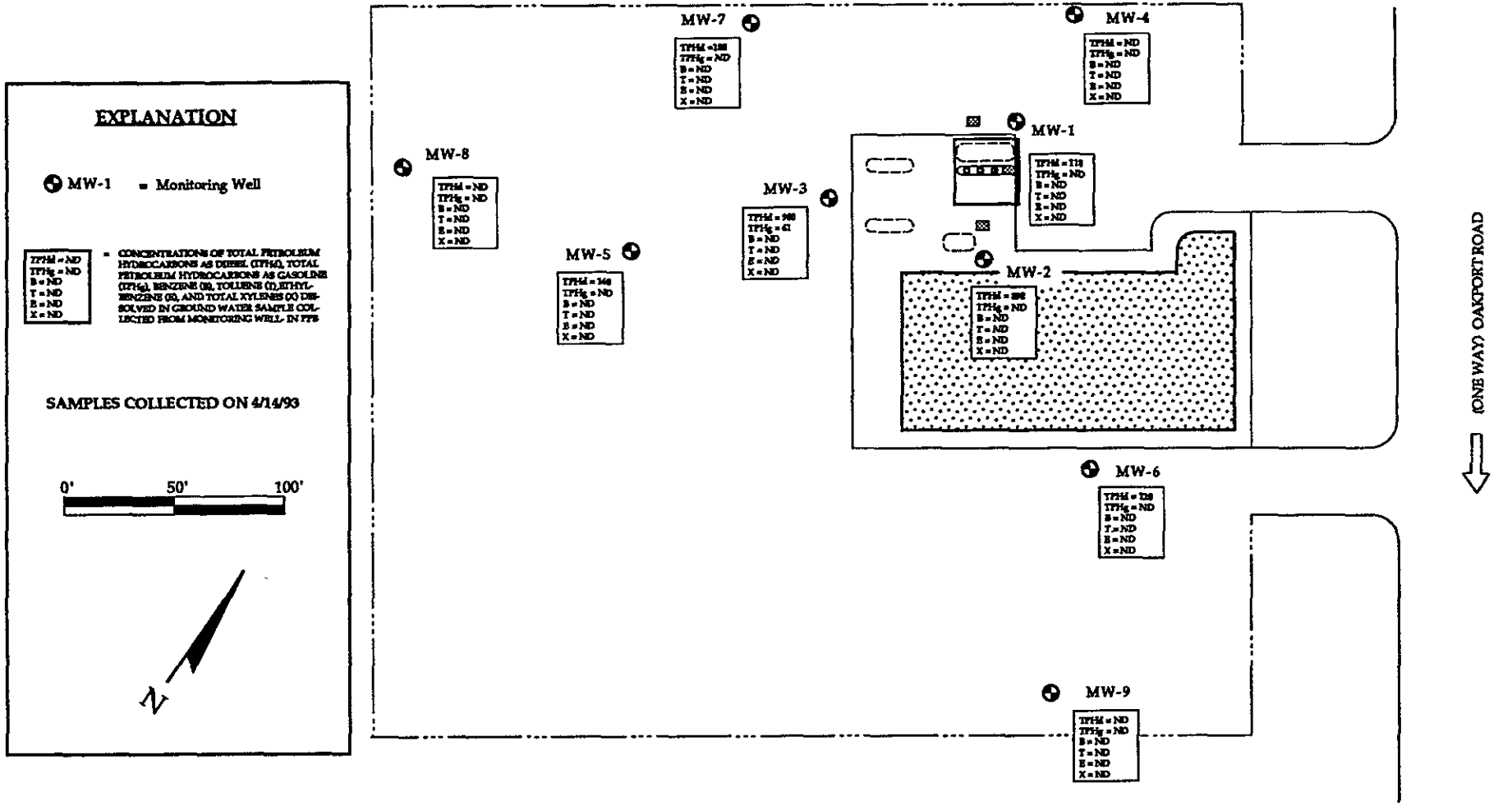
Based on data collected 4/14/93

HYDRO ENVIRONMENTAL TECHNOLOGIES, INC.

GROUND WATER ELEVATION CONTOUR MAP

Ryder Truck Rental
8001 Oakport Road
Oakland, California

Job No. 7-201
Figure 4.3



HYDRO ENVIRONMENTAL TECHNOLOGIES, INC.

DISSOLVED HYDROCARBON DISTRIBUTION MAP

Ryder Truck Rental
8001 Oakport Road
Oakland, California

Job No.
7-201
Figure
5

APPENDIX A

PURGED/SAMPLED BY: TR/HH DATE: 4/14/93

GAUGING DATA:

Depth to bottom: 11.40 ft.

Depth to water: 2.77 ft.

Saturated Thickness: 11.63 ft.

Conversion	
diam.	gals/ft.
2 in.	x 0.16
4 in.	x 0.65
6 in.	x 1.44

Well casing volume 7.56 gallons

volumes to purge x 3 vols.

*Total volume to purge = 22.68 gallons

* unless chemical parameters stabilize earlier

PURGING DATA:

Purge method: PVC bailer/ Submersible pump/ Suction lift pump/ _____ (circle one)

Time	Volume (gallons)	Temp. (°F)	Conductivity (mS/cm)	pH
2:52	0	—	—	—
	5	17.5	7.46	6.62
	10	17.2	7.74	6.60
	15	17.3	7.74	6.59
↓	20	17.2	7.75	6.61
3:02	24	17.1	7.68	6.62

Color: tan Turbidity: moderate

Recharge: good SPP 0 ft.

SAMPLING DATA:

Sampling method: Dedicated bailer/ _____

Sample for: (circle)

TPHg/BTEX	METALS	TOC	8010
TPHd	O-Pb	TEL	8020
TPH mo	Total Pb	EDB	8240
601	602	Nitrates	8260 8270

Other: _____

HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.

MONITORING WELL PURGE/SAMPLE SHEET

WELL # MW-1

LOCATION Ryder/Oakland

Job No. 7-201

SHEET 1 of 1

PURGED/SAMPLED BY: TR/HH DATE: 4/14/93

GAUGING DATA:

Depth to bottom: 13.25 ft.

Depth to water: 9.01 ft.

Saturated Thickness: 9.24 ft.

Conversion	
diam.	gals/ft.
2 in.	x 0.16
(4 in.)	x 0.65
6 in.	x 1.44

Well casing volume 6.01 gallons

volumes to purge x 3 vols.

*Total volume to purge = 18.03 gallons

* unless chemical parameters stabilize earlier

PURGING DATA:

Purge method: (PVC bailer)/ Submersible pump/ Suction lift pump/ _____ (circle one)

Time	Volume (gallons)	Temp. (°F)	Conductivity (mS/cm)	pH
3:10	0	—	—	—
↓	5	17.1	2.28	7.01
↓	10	17.1	4.85	6.68
3:17	15	17.5	7.24	6.60

Dry

Color: black Turbidity: moderate

Recharge: poor SPP 0 ft. Sheen on bail Hx0

SAMPLING DATA:

Sampling method: (Dedicated bailer) / _____

Sample for: (circle)

(TPHg/BTEX)	METALS	TOG	8010
(TPHd)	O-Pb	TEL	8020
TPH mo	Total Pb	EDB	8240
601	602	Nitrates	8260 8270

Other: _____

HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.

MONITORING WELL PURGE/SAMPLE SHEET

WELL # MW-2

LOCATION Ryder / Oakland

Job No. 7-201

SHEET 1 of 1

PURGED/SAMPLED BY: TR/HH DATE: 4/14/93

GAUGING DATA:

Depth to bottom: 13.78 ft.

Depth to water: 5.92 ft.

Saturated Thickness: 7.86 ft.

Conversion	
diam.	gals/ft.
2 in.	x 0.16
4 in.	x 0.65
6 in.	x 1.44

Well casing volume 5.11 gallons

volumes to purge x 3 vols.

*Total volume to purge = 15.33 gallons

* unless chemical parameters stabilize earlier

PURGING DATA:

Purge method: PVC bailer / Submersible pump / Suction lift pump / _____ (circle one)

Time	Volume (gallons)	Temp. (°C)	Conductivity (mS/cm)	pH
3:04	0	—	—	—
	5	18.5	18.41	6.29
↓	10	18.6	20+	6.29
DRY 3:08	11	18.9	20+	6.34

Color: olive Turbidity: moderate

Recharge: poor SPP 0 ft.

SAMPLING DATA:

Sampling method: Dedicated bailer / _____

Sample for: (circle)

TPHg/BTEX	METALS	TOG	8010
TPHd	O-Pb	TEL	8020
TPH mo	Total Pb	EDB	8240
601	602	Nitrates	8260 8270

Other: _____

HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.

MONITORING WELL PURGE/SAMPLE SHEET

WELL # MW-3

LOCATION Ryder/Oakland

Job No. 7-209

SHEET 1 of 1

PURGED/SAMPLED BY: TR/HH DATE: 4/14/93

GAUGING DATA:

Depth to bottom: 14.92 ft.

Depth to water: 3.24 ft.

Saturated Thickness: 11.68 ft.

Conversion	
diam.	gals/ft.
2 in.	x 0.16
4 in.	x 0.65
6 in.	x 1.44

Well casing volume 1.87 gallons

volumes to purge x 3 vols.

*Total volume to purge = 5.61 gallons

* unless chemical parameters stabilize earlier

PURGING DATA:

Purge method: PVC bailer/ Submersible pump/ Suction lift pump/ _____ (circle one)

Time	Volume (gallons)	Temp. (°C)	Conductivity (mS/cm)	pH
1:12	0	—	—	—
↓	2	17.3	350	6.87
↓	4	16.9	4.50	6.83
1:20	6	16.8	4.62	6.80

Color: olive gray Turbidity: moderate

Recharge: good SPP ∅ ft.

SAMPLING DATA:

Sampling method: Dedicated bailer / _____

Sample for: (circle)

TPHg/BTEX	METALS	TOG	8010
TPHd	O-Pb	TEL	8020
TPH mo	Total Pb	EDB	8240
601	602	Nitrates	8260 8270

Other: _____

HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.

MONITORING WELL PURGE/SAMPLE SHEET

WELL # MW-4

LOCATION Ryder / Oakland

Job No. 7-201

SHEET 1 of 1

PURGED/SAMPLED BY: TR/HH DATE: 4/14/93

GAUGING DATA:

Depth to bottom: 15.07 ft.

Depth to water: 2.02 ft.

Saturated Thickness: 13.05 ft.

Conversion	
diam.	gals/ft.
2 in.	x 0.16
4 in.	x 0.65
6 in.	x 1.44

Well casing volume 2.09 gallons

volumes to purge x 3 vols.

*Total volume to purge = 6.27 gallons

* unless chemical parameters stabilize earlier

PURGING DATA:

Purge method: PVC bailer/ Submersible pump/ Suction lift pump/ _____ (circle one)

Time	Volume (gallons)	Temp. (°F)	Conductivity (mS/cm)	pH
2:35	0	—	—	—
↓	2	18.8	19.28	6.45
↓	4	18.9	20+	6.39
2:44	6.5	19.3	20+	6.39

Color: olive Turbidity: moderate

Recharge: poor SPP ∅ ft. Sheen on bail H2O

SAMPLING DATA:

Sampling method: Dedicated bailer/ _____

Sample for: (circle)

TPHg/BTEX	METALS	TOG	8010
TPHd	O-Pb	TEL	8021
TPH mo	Total Pb	EDB	8240
601	602	Nitrates	8260 8270

Other: _____

HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.

MONITORING WELL PURGE/SAMPLE SHEET

WELL # MW-5

LOCATION Ryder Oakland

Job No. 7-201

SHEET 1 of 1

PURGED/SAMPLED BY: TR/HH DATE: 4/14/93

GAUGING DATA:

Depth to bottom: 15.00 ft.

Depth to water: 4.25 ft.

Saturated Thickness: 10.75 ft.

Conversion	
diam.	gals/ft.
2 in.	x 0.16
4 in.	x 0.65
6 in.	x 1.44

Well casing volume 1.72 gallons

volumes to purge x 3 vols.

*Total volume to purge = 5.16 gallons

* unless chemical parameters stabilize earlier

PURGING DATA:

Purge method: PVC bailer/ Submersible pump/ Suction lift pump/ _____ (circle one)

Time	Volume (gallons)	Temp. (°F)	Conductivity (mS/cm)	pH
2:04	0	—	—	—
↓	2	19.9	20+	6.54
↓	4	19.7	20+	6.57
2:12	5	19.9	20+	6.71
Dry →				

Color: dark brown Turbidity: moderate

Recharge: poor SPP 9 ft.

SAMPLING DATA:

Sampling method: Dedicated bailer/ _____

Sample for: (circle)

TPHg/BTEX	METALS	TOG	8010
TPHd	O-Pb	TEL	8020
TPH mo	Total Pb	EDB	8240
601	602	Nitrates	8260 8270

Other: _____

HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.

MONITORING WELL PURGE/SAMPLE SHEET

WELL # MW-6

LOCATION Ryder / Oakland

Job No. 7-201

SHEET 1 of 1

PURGED/SAMPLED BY: TR/HH DATE: 4/14/93

GAUGING DATA:

Depth to bottom: 12.37 ft.

Depth to water: 2.61 ft.

Saturated Thickness: 9.76 ft.

Conversion	
diam.	gals/ft.
(2 in.)	x 0.16
4 in.	x 0.65
6 in.	x 1.44

Well casing volume 1.56 gallons

volumes to purge x 3 vols.

*Total volume to purge = 4.68 gallons

* unless chemical parameters stabilize earlier

PURGING DATA:

Purge method: (PVC bailer) / Submersible pump / Suction lift pump / _____ (circle one)

Time	Volume (gallons)	Temp. (°F)	Conductivity (mS/cm)	pH
2:22	0	—	—	—
↓	3	18.2	20+	7.57
DRY → 2:31	5	18.0	20+	7.00

Color: dark brown Turbidity: moderate

Recharge: poor SPP ∅ ft.

SAMPLING DATA:

Sampling method: (Dedicated bailer) / _____

Sample for: (circle)

(TPHg/BTEX) METALS TOG 8010

(TPHd) O-Pb TEL 8020

TPH mo Total Pb EDB 8240

601 602 Nitrates 8260 8270

Other: _____

HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.

MONITORING WELL PURGE/SAMPLE SHEET

WELL # MW-7

LOCATION Ryder/Oakland

Job No. 7-201

SHEET 1 of 1

PURGED/SAMPLED BY: TR/HH DATE: 4/14/93

GAUGING DATA:

Depth to bottom: 12.50 ft.

Depth to water: 2.15 ft.

Saturated Thickness: 10.25 ft.

Conversion	
diam.	gals/ft.
2 in.	x 0.16
4 in.	x 0.65
6 in.	x 1.44

Well casing volume 1.68 gallons

volumes to purge x 3 vols.

*Total volume to purge = 4.95 gallons

* unless chemical parameters stabilize earlier

PURGING DATA:

Purge method: PVC bailer/ Submersible pump/ Suction lift pump/ _____ (circle one)

Time	Volume (gallons)	Temp. (°F)	Conductivity (mS/cm)	pH
1:46	0	—	—	—
↓	3	19.2	17.35	6.46
DRY ⇒ 1:53	5	18.4	19.98	7.38

Color: tan Turbidity: moderate

Recharge: poor SPP ∅ ft.

SAMPLING DATA:

Sampling method: Dedicated bailer /_____

Sample for: (circle)

TPHg/BTEX	METALS	TOG	8010
TPHd	O-Pb	TEL	8020
TPH mo	Total Pb	EDB	8240
601	602	Nitrates	8260 8270

Other: _____

HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.

MONITORING WELL PURGE/SAMPLE SHEET

WELL # MW-8

LOCATION Ryder/Oakland

Job No. 7-201

SHEET 1 of 1

PURGED/SAMPLED BY: TR/HH DATE: 4/14/93

GAUGING DATA:

Depth to bottom: 12.84 ft.

Depth to water: 4.86 ft.

Saturated Thickness: 7.98 ft.

Conversion	
diam.	gals/ft.
(2 in.)	x 0.16
4 in.	x 0.65
6 in.	x 1.44

Well casing volume 1.28 gallons

volumes to purge x 3 vols.

*Total volume to purge = 3.84 gallons

* unless chemical parameters stabilize earlier

PURGING DATA:

Purge method: (PVC bailer)/ Submersible pump/ Suction lift pump/ _____ (circle one)

Time	Volume (gallons)	Temp. (°F) C	Conductivity (mS/cm)	pH
1:29	0	—	—	—
↓	2	17.1	20+	5.17
DRY⇒ 1:33	4	17.5	20+	5.53

Color: tan Turbidity: moderate

Recharge: poor SPP ϕ ft.

SAMPLING DATA:

Sampling method: (Dedicated bailer) / _____

Sample for: (circle)

(TPHg/BTEX)	METALS	TOG	8010
(TPHd)	O-Pb	TEL	8020
TPH mo	Total Pb	EDB	8240
601	602	Nitrates	8260 8270

Other: _____

HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.

MONITORING WELL PURGE/SAMPLE SHEET

WELL # MW-9

LOCATION Ryder/Oakland

Job No. 7-201

SHEET 1 of 1

APPENDIX B

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REPORT OF LABORATORY ANALYSIS

7-201
Analytical

April 29, 1993

Mr. Brian Gwinn
Hydro-Environmental Tech.,Inc.
2363 Mariner Square Drive, Suite 243
Alameda, CA 94501

RE: PACE Project No. 430415.517
Client Reference: Ryder/Oakland/7-201

Dear Mr. Gwinn:

Enclosed is the report of laboratory analyses for samples received April 15, 1993.

Footnotes are given at the end of the report.

If you have any questions concerning this report, please feel free to contact us.

Sincerely,

Caron E. Sontag

Caron E. Sontag
Project Manager

Enclosures

11 Digital Drive
Novato, CA 94949
TEL: 415-883-6100
FAX: 415-883-2673

pace INCORPORATED
THE ASSURANCE OF QUALITY

REPORT OF LABORATORY ANALYSIS

Hydro-Environmental Tech.,Inc.
2363 Mariner Square Drive, Suite 243
Alameda, CA 94501

April 29, 1993
PACE Project Number: 430415517

Attn: Mr. Brian Gwinn

Client Reference: Ryder/Oakland/7-201

PACE Sample Number:			70 0050766	
Date Collected:			04/14/93	
Date Received:			04/15/93	
			MW-1	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	04/23/93
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	04/23/93
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	04/23/93
Benzene	ug/L	0.5	ND	04/23/93
Toluene	ug/L	0.5	ND	04/23/93
Ethylbenzene	ug/L	0.5	ND	04/23/93
Xylenes, Total	ug/L	0.5	ND	04/23/93
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	0.11	04/21/93
Date Extracted			04/20/93	

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TEL: 415-883-6100
FAX: 415-883-2673

Mr. Brian Gwinn
Page 2

April 29, 1993
PACE Project Number: 430415517

Client Reference: Ryder/Oakland/7-201

Parameter	Units	MDL		DATE ANALYZED
PACE Sample Number:			70 0050774	
Date Collected:			04/14/93	
Date Received:			04/15/93	
Client Sample ID:			MW-2	
ORGANIC ANALYSIS				
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	04/23/93
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	04/23/93
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	04/23/93
Benzene	ug/L	0.5	ND	04/23/93
Toluene	ug/L	0.5	ND	04/23/93
Ethylbenzene	ug/L	0.5	ND	04/23/93
Xylenes, Total	ug/L	0.5	ND	04/23/93
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	0.89	04/21/93
Date Extracted			04/20/93	

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REPORT OF LABORATORY ANALYSIS

April 29, 1993
PACE Project Number: 430415517

Client Reference: Ryder/Oakland/7-201

PACE Sample Number:			70 0050782	
Date Collected:			04/14/93	
Date Received:			04/15/93	
Client Sample ID:			MW-3	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	04/23/93
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	61	04/23/93
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	04/23/93
Benzene	ug/L	0.5	ND	04/23/93
Toluene	ug/L	0.5	ND	04/23/93
Ethylbenzene	ug/L	0.5	ND	04/23/93
Xylenes, Total	ug/L	0.5	ND	04/23/93
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	0.98	04/21/93
Date Extracted			04/20/93	

Mr. Brian Gwinn
Page 4

April 29, 1993
PACE Project Number: 430415517

Client Reference: Ryder/Oakland/7-201

PACE Sample Number:			70 0050790	
Date Collected:			04/14/93	
Date Received:			04/15/93	
Client Sample ID:			MW-4	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	04/23/93
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	04/23/93
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	04/23/93
Benzene	ug/L	0.5	ND	04/23/93
Toluene	ug/L	0.5	ND	04/23/93
Ethylbenzene	ug/L	0.5	ND	04/23/93
Xylenes, Total	ug/L	0.5	ND	04/23/93
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	ND	04/21/93
Date Extracted			04/20/93	

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REPORT OF LABORATORY ANALYSIS

April 29, 1993
PACE Project Number: 430415517

Client Reference: Ryder/Oakland/7-201

Parameter	Units	MDL		DATE ANALYZED
PACE Sample Number:			70 0050804	
Date Collected:			04/14/93	
Date Received:			04/15/93	
Client Sample ID:			MW-5	
ORGANIC ANALYSIS				
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	04/23/93
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	04/23/93
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	04/23/93
Benzene	ug/L	0.5	ND	04/23/93
Toluene	ug/L	0.5	ND	04/23/93
Ethylbenzene	ug/L	0.5	ND	04/23/93
Xylenes, Total	ug/L	0.5	ND	04/23/93
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	0.16	04/21/93
Date Extracted			04/20/93	

Mr. Brian Gwinn
Page 6

April 29, 1993
PACE Project Number: 430415517

Client Reference: Ryder/Oakland/7-201

Parameter	Units	MDL		DATE ANALYZED
PACE Sample Number:			70 0050812	
Date Collected:			04/14/93	
Date Received:			04/15/93	
Client Sample ID:			MW-6	
ORGANIC ANALYSIS				
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	04/23/93
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	04/23/93
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	04/23/93
Benzene	ug/L	0.5	ND	04/23/93
Toluene	ug/L	0.5	ND	04/23/93
Ethylbenzene	ug/L	0.5	ND	04/23/93
Xylenes, Total	ug/L	0.5	ND	04/23/93
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	0.12	04/21/93
Date Extracted			04/20/93	

REPORT OF LABORATORY ANALYSIS

Mr. Brian Gwinn
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April 29, 1993
PACE Project Number: 430415517

Client Reference: Ryder/Oakland/7-201

PACE Sample Number:			70 0050820	
Date Collected:			04/14/93	
Date Received:			04/15/93	
Client Sample ID:			MW-7	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	04/23/93
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	04/23/93
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	04/23/93
Benzene	ug/L	0.5	ND	04/23/93
Toluene	ug/L	0.5	ND	04/23/93
Ethylbenzene	ug/L	0.5	ND	04/23/93
Xylenes, Total	ug/L	0.5	ND	04/23/93
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	0.18	04/21/93
Date Extracted			04/20/93	

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REPORT OF LABORATORY ANALYSIS

April 29, 1993
PACE Project Number: 430415517

Client Reference: Ryder/Oakland/7-201

PACE Sample Number:			70 0050839	
Date Collected:			04/14/93	
Date Received:			04/15/93	
Client Sample ID:			MW-8	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	04/23/93
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	04/23/93
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	04/23/93
Benzene	ug/L	0.5	ND	04/23/93
Toluene	ug/L	0.5	ND	04/23/93
Ethylbenzene	ug/L	0.5	ND	04/23/93
Xylenes, Total	ug/L	0.5	ND	04/23/93
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	ND	04/21/93
Date Extracted			04/20/93	

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REPORT OF LABORATORY ANALYSIS

April 29, 1993
PACE Project Number: 430415517

Client Reference: Ryder/Oakland/7-201

PACE Sample Number:			70 0050847	
Date Collected:			04/14/93	
Date Received:			04/15/93	
Client Sample ID:			MW-9	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	04/23/93
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	04/23/93
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	04/23/93
Benzene	ug/L	0.5	ND	04/23/93
Toluene	ug/L	0.5	ND	04/23/93
Ethylbenzene	ug/L	0.5	ND	04/23/93
Xylenes, Total	ug/L	0.5	ND	04/23/93
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	ND	04/21/93
Date Extracted			04/20/93	

These data have been reviewed and are approved for release.

Darrell C. Cain
Regional Director

11 Digital Drive
Novato, CA 94949
TEL: 415-883-8100
FAX: 415-883-2673

Mr. Brian Gwinn
Page 10

FOOTNOTES
for pages 1 through 9

April 29, 1993
PACE Project Number: 430415517

Client Reference: Ryder/Oakland/7-201

MDL Method Detection Limit
ND Not detected at or above the MDL.

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REPORT OF LABORATORY ANALYSIS

QUALITY CONTROL DATA

Client Reference: Ryder/Oakland/7-201

EXTRACTABLE FUELS EPA 3510/8015
Batch: 70 20554
Samples: 70 0050766, 70 0050774, 70 0050782, 70 0050790, 70 0050804
70 0050812, 70 0050820, 70 0050839, 70 0050847

METHOD BLANK:

Parameter	Units	MDL	Method Blank
Extractable Fuels, as Diesel	mg/L	0.05	ND

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Recv	Dupl Recv	RPD
Extractable Fuels, as Diesel	mg/L	0.05	1.00	50%	62%	21%

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Mr. Brian Gwinn
Page 12

QUALITY CONTROL DATA

April 29, 1993
PACE Project Number: 430415517

Client Reference: Ryder/Oakland/7-201

PURGEABLE FUELS AND AROMATICS
Batch: 70 20591
Samples: 70 0050766, 70 0050774, 70 0050782, 70 0050790, 70 0050804
70 0050812, 70 0050820, 70 0050839, 70 0050847

METHOD BLANK:

Parameter	Units	MDL	Method Blank
TOTAL FUEL HYDROCARBONS, (LIGHT):			-
Purgeable Fuels, as Gasoline (EPA 8015M	ug/L	50	ND
PURGEABLE AROMATICS (BTXE BY EPA 8020M)			-
Benzene	ug/L	0.5	ND
Toluene	ug/L	0.5	ND
Ethylbenzene	ug/L	0.5	ND
Xylenes, Total	ug/L	0.5	ND

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Recv	Dupl Recv	RPD
Purgeable Fuels, as Gasoline (EPA 8015M	ug/L	50	1000	120%	116%	3%
Benzene	ug/L	0.5	40.0	93%	92%	1%
Toluene	ug/L	0.5	40.0	93%	91%	2%
Ethylbenzene	ug/L	0.5	40.0	95%	94%	1%
Xylenes, Total	ug/L	0.5	120	93%	92%	1%

Mr. Brian Gwinn
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FOOTNOTES
for pages 11 through 12

April 29, 1993
PACE Project Number: 430415517

Client Reference: Ryder/Oakland/7-201

MDL	Method Detection Limit
ND	Not detected at or above the MDL.
RPD	Relative Percent Difference

11 Digital Drive
Novato, CA 94949
TEL: 415-883-6100
FAX: 415-883-2673

CHAIN OF CUSTODY RECORD

SAMPLER
Printed Name: Tony Ramirez
Signature: [signature]

DELIVER TO: PACE

ATTENTION: Caron Sortag

SEND RESULTS TO:
HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.
2363 MARINER SQUARE DR., SUITE 243
ALAMEDA, CA 94501
(510) 521-2684, (FAX) 521-5078
ATTENTION: Brian Gwinn

SEND INVOICE TO:
Ryder Truck Rental
c/o HETI

HETICAL JOB No.: 7-201

Relenquished by: (Signature)	Received by: (Signature)	Date	Time
[signature]	[signature]	4/15/93	9:15 am
Relenquished by: [signature] HETI	Received by: [signature] - Pace	4/15/93	1:10 pm
Relenquished by: [signature] - Pace	Received by: LABORATORY [signature] /PACE	4/15	1650

PROJECT NAME: Ryder / Oakland

PAGE 1 OF 1

Sample Number	DATE & TIME	No. & Type Container	TPHg+BTEX (DHS mod)	TPHd (DHS mod)	Organic Lead					Lab Remarks
MW-1 (pres w/ HCl per Voas) (4/16)	4/14/93	3 VOA 1 amber	X	X						5076.6
MW-2	↓	↓	↓	↓						5077.4
MW-3										5078.2
MW-4										5079.0
MW-5										5080.4
MW-6										5081.2
MW-7										5082.0
MW-8										5083.9
MW-9	↓	↓	↓	↓						5084.7

4504151

Special Instructions:

Turnaround:
- [ ] 5 DAY
- [x] 10 DAY
- [ ] 72 HOURS
- [ ] 24 HOURS

14/3, H/2